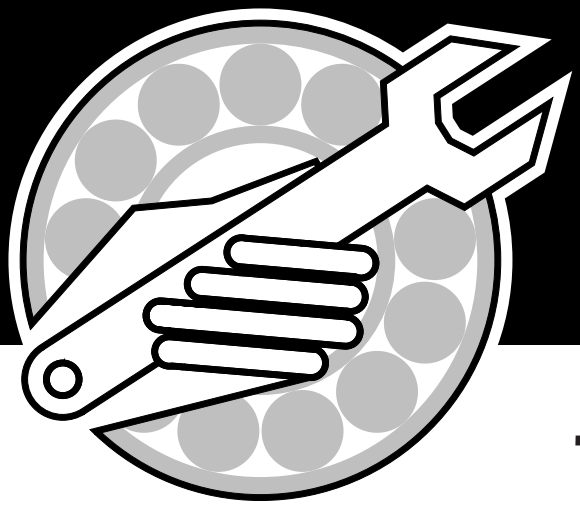
Return to Main Index

MORRIS Industries Ltd.

# Parts Manual



# 7000 Series Air Cart

Part Number N27799-07

## IMPORTANT:

ALL ITEMS ARE IDENTIFIED WITH A PART NUMBER. Some of the smaller parts such as bolts, nuts, washers, etc. are not all shown, however, the quantity used are listed in the text for that section which they fit into. That particular quantity is always the quantity required for one complete assembly.

Smaller parts, which are welded together to construct a larger part, are not to be ordered as individual pieces, unless they have a part number to identify them.

Contact your nearest dealer for genuine repair parts. Dealers carry ample stock and are backed by the manufacturer and regional associations.

## MORRIS PAINT

**Spray Cans:**

| Part Number | Description |
|---|---|
| W-4647 | Red MORRIS Spray Can |
| W-4648 | Blue MORRIS Spray Can |
| N31087 | Sky White MORRIS Spray Can |

**Litre Cans:**

| Part Number | Description |
|---|---|
| Z-10 | Red MORRIS Paint/Litre |
| Z-11 | Blue MORRIS Paint/Litre |
| N19600 | Safetex Non-Skid Coating - 3.78 litre |
| N28345 | Red Urethane Kit - 3.78 Litre |
| N30405 | Blue Urethane Kit - 3.78 Litre |
| N30406 | Primer Urethane Kit - 3.78 Litre |
| N30476 | Expoxy Kit - .946 Litre |

## MANUALS

| Part Number | Description |
|---|---|
| N44295 | VRT Drive - Operator's Manual - For N44049 Monitor **(Current)** |
| N29390 | VRT Drive - Operator's Manual - For N27010 and N37010 Monitor |
| N44288 | Ground Drive - Operator's Manual - For N44049 Monitor **(Current)** |
| N27800 | Ground Drive - Operator's Manual - For N27010 and N37010 Monitor |

# Table of Contents

**Section 1:**
**Hopper and Frame ..... 1-1**
7130 / 7180 Hopper Assembly ..... 1-2
7240 / 7300 Hopper Assembly - Prior to June 2007 ..... 1-4
7240 Hopper Assembly - June 2007 ..... 1-6
7252 Hopper Assembly ..... 1-8
7130 / 7180 Tow Behind Frame ..... 1-10
7130 / 7180 - 2 Meter Track ..... 1-12
7130 / 7180 - 3 Meter Track ..... 1-14
7240 / 7300 Tow Behind Frame ..... 1-16
7252 Tow Behind Frame ..... 1-18
7180 Tow Between Frame ..... 1-20
7240 / 7300 Tow Between Frame ..... 1-22
7252 Tow Between Frame ..... 1-24
7240 / 7252 / 7300 Castor Fork ..... 1-26

**Section 2:**
**Metering ..... 2-1**
Metering Drive - 7130 / 7180 / 7240 / 7300 ..... 2-2
Metering Drive - 7252 ..... 2-6
Metering Body ..... 2-10
Coated Metering Body ..... 2-11
Optional Fertilizer Banding Kit - Rear ..... 2-12
Optional Fertilizer Banding Kit - Front ..... 2-13
Optional Remote Clutch Switch - Brylite Ends ..... 2-14
Optional Remote Clutch Switch - Weather Pak Ends ..... 2-16
Remote Clutch Switch - Xpress ..... 2-18
Remote Clutch Switch - Maxim III ..... 2-19
Optional Clutch ..... 2-20

**Section 3:**
**Wheel & Hub ..... 3-1**
7130 / 7180 Rear Wheels ..... 3-2
7130 / 7180 Front Castor Fork ..... 3-3
7240 / 7252 / 7300 Front Castor Fork ..... 3-3
7180 TPH / 7240 / 7252 / 7300 Rear Wheels ..... 3-4

**Section 4:**
**Distribution ..... 4-1**
Single Shoot Tow Behind ..... 4-2
Single Shoot Tow Behind 7252 ..... 4-4
Single Shoot Tow Between ..... 4-6
Single Shoot Tow Between 7252 ..... 4-8
Single Shoot Tow Between Xpress ..... 4-10
Dual Shoot Tow Behind ..... 4-12
Dual Shoot Tow Behind 7252 ..... 4-15
Dual Shoot Tow Between ..... 4-18
Dual Shoot Tow Between 7252 ..... 4-21
Broadcast 7252 Front Tank Tow Between - 4 & 5 Primaries ..... 4-24
Broadcast 7252 Front Tank Tow Between - 6 & 8 Primaries ..... 4-27
Broadcast 7252 Front Tank Tow Behind - 4 & 5 Primaries ..... 4-30
Broadcast 7252 Front Tank Tow Behind - 6 & 8 Primaries ..... 4-33
Broadcast 7252 Rear Tank Tow Between - 4 & 5 Primaries ..... 4-36
Broadcast 7252 Rear Tank Tow Between - 6 & 8 Primaries ..... 4-39
Broadcast 7252 RearTank Tow Behind - 4 & 5 Primaries ..... 4-42
Broadcast 7252 Rear Tank Tow Behind - 6 & 8 Primaries ..... 4-45

# Table of Contents

Broadcast 7252 Deflector Mounts ..... 4-48
Divider Head ..... 4-50
Double Shoot Diverter Valve ..... 4-52
Double Shoot Plenum ..... 4-53
Plenum 7252 Broadcast ..... 4-54

**Section 5:**
**Fan & Auger Drives ..... 5-1**
Engine Drive Fan ..... 5-2
Engine Drive Auger Hydraulics ..... 5-6
Tow Behind Hydraulic Drive w/o Auger ..... 5-8
Tow Behind Hydraulic Drive w/Auger ..... 5-10
Tow Between Hydraulic Drive w/o Auger ..... 5-12
Tow Between Hydraulic Drive w/Auger ..... 5-14
Tow Between Hydraulic Drive w/Front Latch Auger ..... 5-16
Xpress Tow Between Hydraulic Drive (Prior to November 2004) ..... 5-18
Xpress Tow Between Hydraulic Drive (From November 2004) ..... 5-20
Tow Between Implement Hydraulics ..... 5-22

**Section 6:**
**Auger ..... 6-1**
7130 / 7180 - 7 Auger ..... 6-2
7180 - Front Latch Auger ..... 6-4
7240 / 7300 - 7 & 8 Auger ..... 6-6
7240 - 7 Front Latch Auger ..... 6-10
7240 - 8 Front Latch Auger ..... 6-12
7252 - 7 Auger ..... 6-14
Auger Support Kit ..... 6-16

**Section 7:**
**Fan ..... 7-1**
Crary Belt Drive ..... 7-2
Crary Hydraulic Drive ..... 7-3
Orbit Motor ..... 7-4

**Section 8:**
**Monitor ..... 8-1**
Version 1 Monitor & Pin Blockage Module ..... 8-2
Version 2 Monitor & Pin Blockage Module ..... 8-4
Version 3 Monitor & Pin Blockage Module ..... 8-6
Replacement Connectors ..... 8-8
Optical Blockage System ..... 8-9
FTU - Field Test Unit ..... 8-10

**Section 9:**
**Variable Rate System ..... 9-1**
Tow Behind Hydraulics w/o Auger ..... 9-2
Tow Behind Hydraulics w/Auger ..... 9-4
Tow Between Hydraulics w/o Auger ..... 9-6
Tow Between Hydraulics w/Auger ..... 9-8
Xpress Tow Between Hydraulics w/Auger ..... 9-10
Metering Drive 7180 / 7240 / 7300 ..... 9-12
Metering Drive 7252 ..... 9-14

# Table of Contents

Control System ..... 9-16
Valve Manifold ..... 9-18

**Section 10:**
**Options ..... 10-1**
Rear Tow Hitch ..... 10-2
Rear Tow Hitch - Long ..... 10-3
Hyd Extension Kit for Rear Tow Hitch ..... 10-4
Hitch Extension Kit for Tow Between Cart ..... 10-5
Three Point Hitch ..... 10-6
Three Point Hitch Air Cart Hydraulics w/Std Auger ..... 10-8
Three Point Hitch Hydraulics for Xpress (Prior to November 2004) ..... 10-10
Three Point Hitch Distribution ..... 10-12
Three Point Hitch Lift Cylinder ..... 10-14

**Section 11:**
**Lighting ..... 11-1**
7000 Series Air Cart ..... 11-2

**Index ..... Index-i**

# Table of Contents

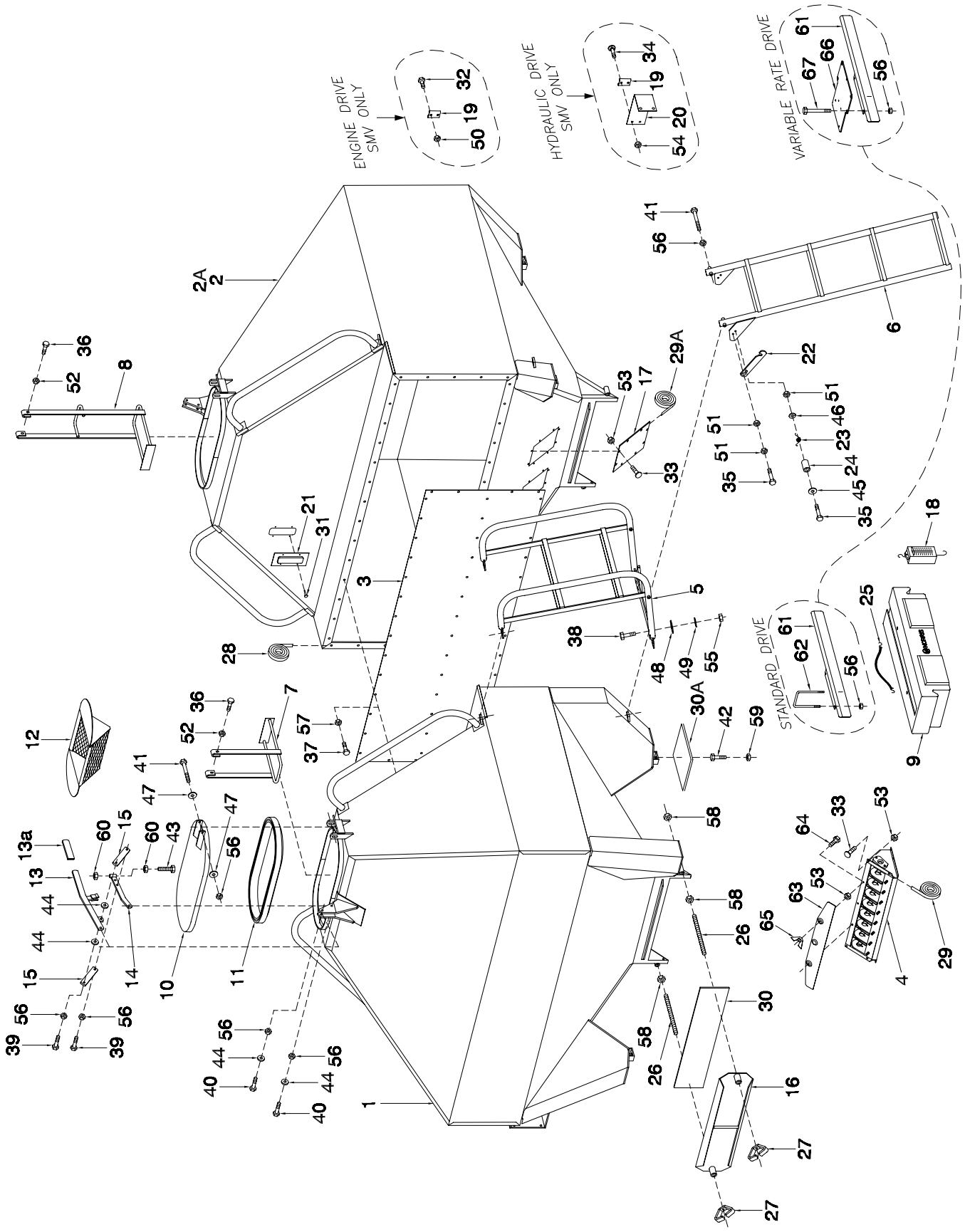
**Notes**

# Section 1:
# Hopper and Frame

## Section Contents

7130 / 7180 Hopper Assembly ..... 1-2
7240 / 7300 Hopper Assembly - Prior to June 2007 ..... 1-4
7240 Hopper Assembly - June 2007 ..... 1-6
7252 Hopper Assembly ..... 1-8
7130 / 7180 Tow Behind Frame ..... 1-10
7130 / 7180 - 2 Meter Track ..... 1-12
7130 / 7180 - 3 Meter Track ..... 1-14
7240 / 7300 Tow Behind Frame ..... 1-16
7252 Tow Behind Frame ..... 1-18
7180 Tow Between Frame ..... 1-20
7240 / 7300 Tow Between Frame ..... 1-22
7252 Tow Between Frame ..... 1-24
7240 / 7252 / 7300 Castor Fork ..... 1-26

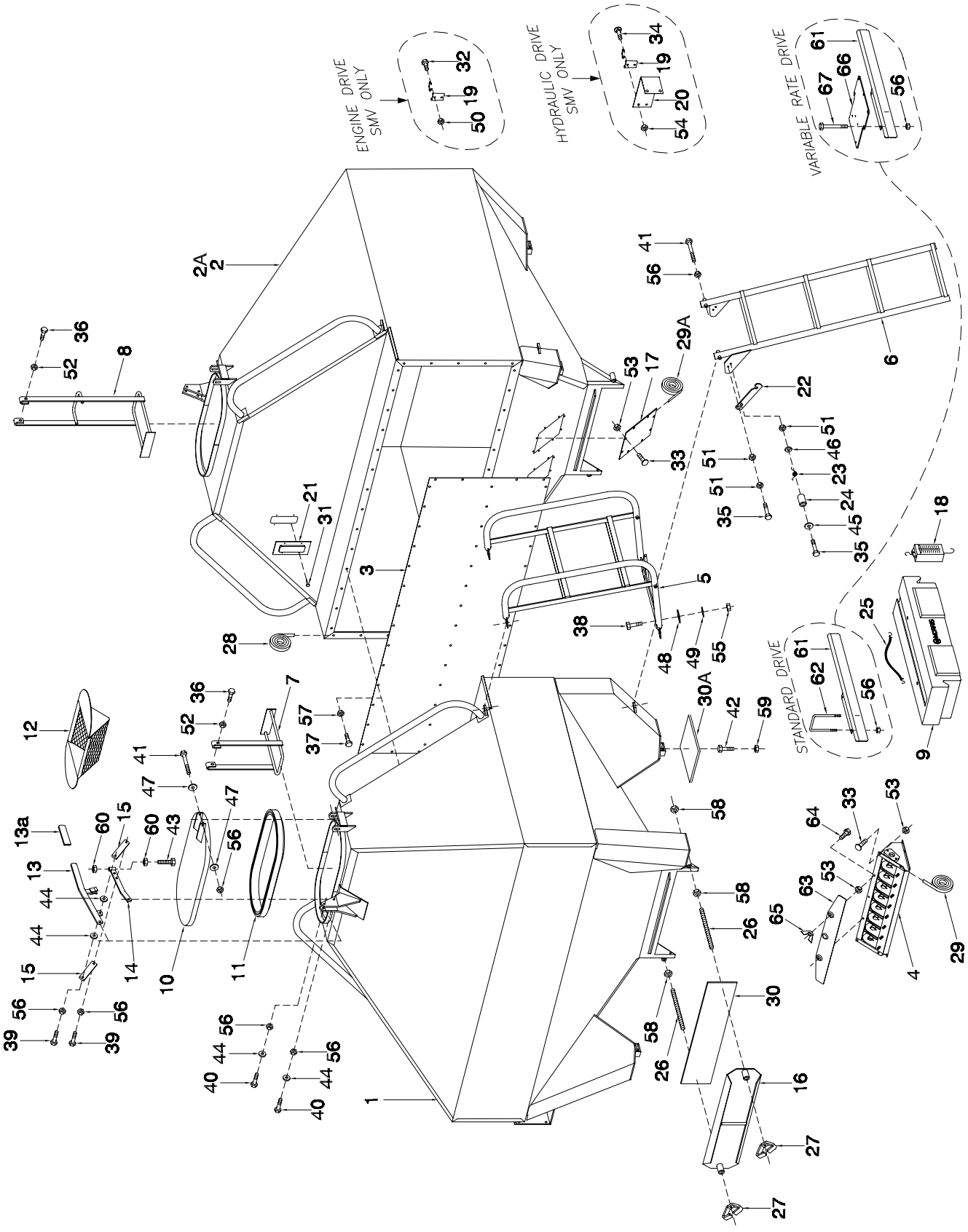
# Hopper and Frame
## 7130 / 7180 Hopper Assembly



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27191 | Hopper - Front 7180 | 1 |
| | N27141 | Hopper - Front 7130 | 1 |
| 2 | N27192 | Hopper - Rear (Hydraulic Drive) 7180 | 1 |
| | N27142 | Hopper - Rear (Hydraulic Drive) 7130 | 1 |
| 2A | N27193 | Hopper - Rear (Engine Drive) 7180 | 1 |
| | N27143 | Hopper - Rear (Engine Drive) 7130 | 1 |
| 3 | N27337 | Tank Panel 7180 | 1 |
| | N27336 | Tank Panel 7130 | 1 |
| 4 | * * * * * | Metering Body - 8 Outlet (See Section 2 page 10 & 11) | 2 |
| 5 | N27475 | Handrail - Tank 7180 | 1 |
| | N27470 | Handrail - Tank 7130 | 1 |
| 6 | N24792 | Ladder 4 Step | 1 |
| 7 | N27375 | Ladder - Inner - Front Tank 7180 ONLY | 1 |
| 8 | N27380 | Ladder - Inner - Rear Tank 7180 | 1 |
| | N27375 | Ladder - Inner - Rear Tank 7130 | 1 |
| 9 | N27005 | Sample Collector | 1 |
| 10 | N27715 | Lid | 2 |
| 11 | N19496 | Lid Seal | 2 |
| 12 | N19726 | Screen (Optional) | 2 |
| 13 | N32770 | Handle - Tank Lid | 2 |
| 13A | N32769 | Vinyl Grip | 2 |
| 14 | N19108 | Link | 2 |
| 15 | N19109 | Link | 4 |
| 16 | N27080 | Door - Cleanout | 2 |
| 17 | N27455 | Plate - Cover - Dual Outlet | 4 |
| 18 | N42220 | Digital Scale | 1 |
| | N29280 | Spring Scale (0 to 50 lb Capacity) | |
| 19 | W-1558 | Slow Moving Sign Socket | 1 |
| 20 | N21475 | Slow Moving Sign Bracket (Hydraulic Drive ONLY) | 1 |
| 21 | N19791 | Sight Glass | 2 |
| 22 | N19211 | Ladder Lock Arm | 1 |
| 23 | D-5098 | Spring | 1 |
| 24 | N19366 | Bushing - 1/2 OD x 0.334 ID x 5/8 Lg | 1 |
| 25 | N19563 | Rubber Tie Strap - 10 | 2 |
| 26 | N27155 | Redi-Rod - 1/2 x 7 1/2 Lg | 4 |
| 27 | N27360 | Wing Locknut - 1/2 | 4 |
| 28 | N13900 | Seal Strip - 3/16 x 1 3/4 (Bulk/ft) 7180 | 35.5 ft |
| | N13900 | Seal Strip - 3/16 x 1 3/4 (Bulk/ft) 7130 | 31.5 ft |
| 29 | N15716 | Seal Strip - 1/4 x 1 x 152 Lg (Bulk/ft) | 2 |
| 29A | N15716 | Seal Strip - 1/4 x 1 x 38 Lg (Bulk/ft) | 4 |
| 30 | N19437 | Seal Strip - 3/8 x 7 x 26 1/2 Lg (Bulk/ft) | 2 |
| 30A | N19437 | Seal Strip - 3/8 x 7 x 8 Lg (Bulk/ft) | 8 |
| 31 | N21450 | Pop Rivet - 1/8 x 1/2 Lg - Closed Head | 8 |
| 32 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg (Engine Drive ONLY) | 1 |
| 33 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 44 |
| 34 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg (Hyd Drive ONLY) | 2 |
| 35 | W-472 | Hex Bolt - 5/16 x 1 1/4 Lg | 2 |
| 36 | W-473 | Hex Bolt - 5/16 x 1 1/2 Lg 7180 | 4 |
| | W-473 | Hex Bolt - 5/16 x 1 1/2 Lg 7130 | 2 |
| 37 | W-475 | Hex Bolt - 3/8 x 1 Lg 7180 | 52 |
| | W-475 | Hex Bolt - 3/8 x 1 Lg 7130 | 48 |
| 38 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 4 |
| 39 | W-619 | Hex Bolt - 3/8 x 1 3/4 Lg | 4 |
| 40 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 4 |
| 41 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 4 |
| 42 | W-490 | Hex Bolt - 1/2 x 2 1/2 Lg | 8 |
| 43 | N19127 | Lid Bolt - 1/2 x 2 3/4 Lg | 2 |
| 44 | N21266 | Washer - Wear - 1/4 x 1 1/2 Dia | 8 |
| 45 | D-5488 | Flatwasher - 5/16 x 11/16 OD | 1 |
| 46 | W-522 | Lockwasher - 5/16 | 1 |
| 47 | D-5489 | Flatwasher - 3/8 x 13/16 OD | 4 |
| 48 | D-5579 | Flatwasher - 3/8 x 1 OD | 4 |
| 49 | W-523 | Lockwasher - 3/8 | 4 |
| 50 | D-5277 | Locknut - 1/4 Serrated (Engine Drive ONLY) | 1 |
| 51 | W-513 | Hex Nut - 5/16 | 3 |
| 52 | D-5272 | Locknut - 5/16 Unitorque 7180 | 4 |
| | D-5272 | Locknut - 5/16 Unitorque 7130 | 2 |
| 53 | D-5278 | Locknut - 5/16 Serrated | 46 |
| 54 | D-5278 | Locknut - 5/16 Serrated (Hydraulic Drive ONLY) | 2 |
| 55 | W-514 | Hex Nut - 3/8 | 4 |
| 56 | M-3388 | Locknut - 3/8 Unitorque | 16 |
| 57 | D-5279 | Locknut - 3/8 Serrated 7180 | 52 |
| | D-5279 | Locknut - 3/8 Serrated 7130 | 48 |
| 58 | W-516 | Hex Nut - 1/2 | 8 |
| 59 | F-3405 | Locknut - 1/2 Unitorque | 8 |
| 60 | S-1292 | Jam Nut - 1/2 | 4 |
| 61 | N27856 | Bracket - Sampler | 1 |
| 62 | N19723 | U-Bolt - 3/8 x 4 1/16 x 6 15/16 | 2 |
| 63 | N28831 | Cover Plate - Meter Body (For Fine Seeds) | 1 |
| 64 | N29048 | Hex Bolt - 5/16 x 1 Lg Stainless Steel | 2 |
| 65 | N29049 | Wingnut - 5/16 Stainless Steel | 2 |
| 66 | N29335 | Bracket - Manifold Valve (Variable Rate Drive ONLY) | 1 |
| 67 | N19678 | Hex Bolt - 3/8 x 7 Lg (Variable Rate Drive ONLY) | 4 |
| | N27591 | Decal - "MORRIS" (Not Shown) 7180 | 2 |
| | N27590 | Decal - "MORRIS" (Not Shown) 7130 | 2 |
| | N27594 | Decal - "7180" (Not Shown) | 1 |
| | N27593 | Decal - "7130" (Not Shown) | 1 |
| | N34476 | Reflector - Red (Not Shown) | 2 |
| | N34477 | Reflector - Yellow (Not Shown) | 4 |
| | N34478 | Reflector - Orange (Not Shown) | 2 |
| | D-5721 | Decal - "FERTILIZER" (Not Shown) | 1 |
| | N15094 | Decal - Caution (Not Shown) | 2 |
| | N21604 | Decal - Important "CORROSION" (Not Shown) | 2 |
| | N27851 | Rate Chart Decal - Slow Speed (Not Shown) | 1 |
| | N27861 | Rate Chart Decal - Slow Speed - Metric (Not Shown) | 1 |
| | N27852 | Rate Chart Decal - Seed (Not Shown) | 1 |
| | N27862 | Rate Chart Decal - Seed - Metric (Not Shown) | 1 |
| | N27853 | Rate Chart Decal - Fertilizer (Not Shown) | 1 |
| | N27863 | Rate Chart Decal - Fertilizer - Metric (Not Shown) | 1 |
| | N28667 | Rate Chart Decal - Soybeans (Not Shown) | 1 |
| | N34281 | Rate Chart Decal - Sunflowers (Not Shown) | 1 |
| | N29063 | Decal - "Cover Plate" (Not Shown) | 1 |
| | N29380 | Decal - "Rate Calibration" For Variable Rate Only (Not Shown) | 1 |
| | N31706 | Decal - "7180 VRT" For Variable Rate Only (Not Shown) | 1 |

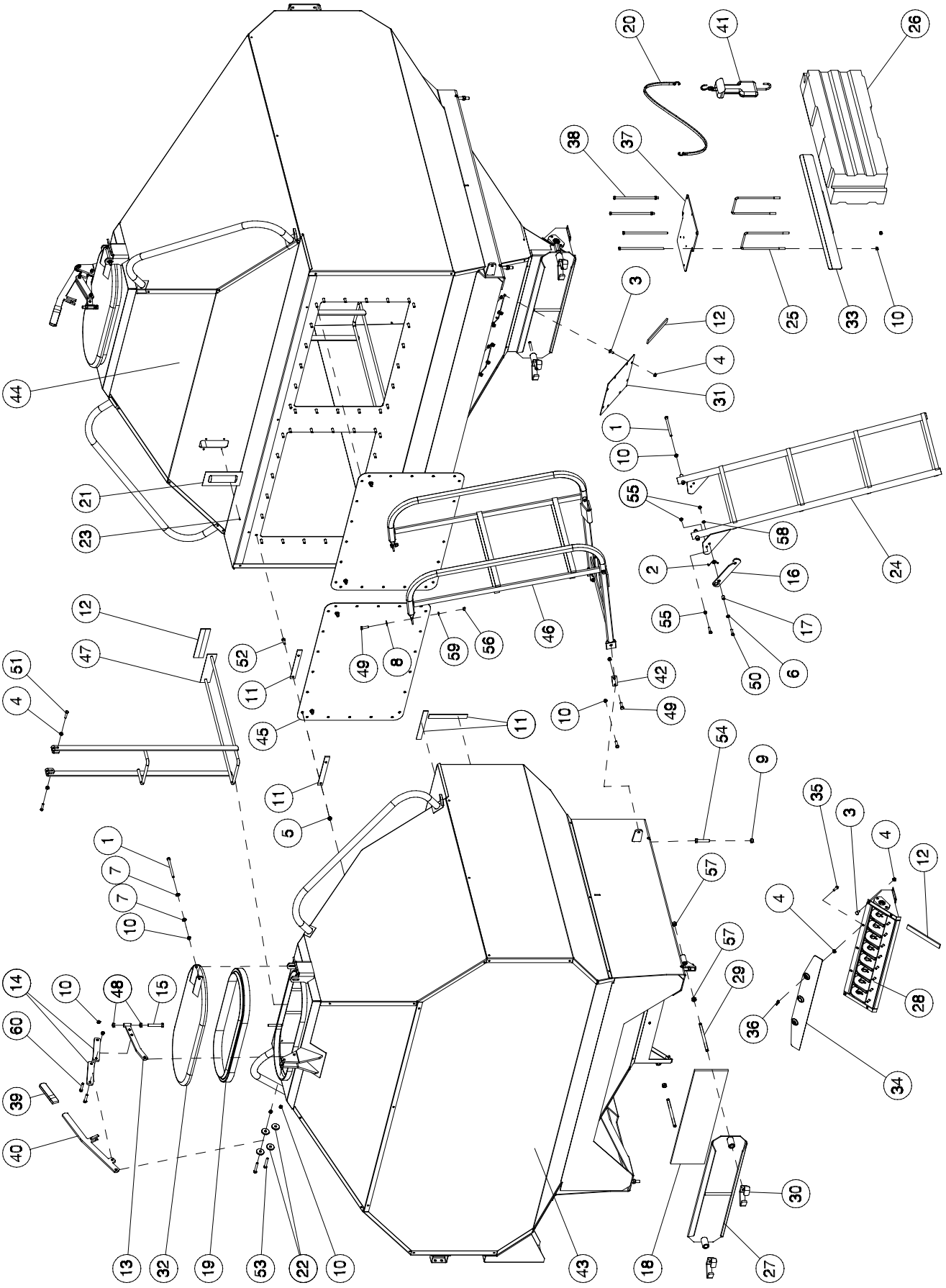
# Hopper and Frame
## 7240 / 7300 Hopper Assembly - Prior to June 2007



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27251 | Hopper - Front 7240 | 1 |
| | N27311 | Hopper - Front 7300 | 1 |
| 2 | N27252 | Hopper - Rear (Hydraulic Drive) 7240 | 1 |
| | N27312 | Hopper - Rear (Hydraulic Drive) 7300 | 1 |
| 2A | N27253 | Hopper - Rear (Engine Drive) 7240 | 1 |
| | N27313 | Hopper - Rear (Engine Drive) 7300 | 1 |
| 3 | N27338 | Tank Panel 7240 | 1 |
| | N27339 | Tank Panel 7300 | 1 |
| 4 | * * * * * | Metering Body - 8 Outlet (See Section 2 page 10 & 11) | 2 |
| 5 | N27480 | Handrail - Tank 7240 | 1 |
| | N27485 | Handrail - Tank 7300 | 1 |
| 6 | N24792 | Ladder - 4 Step | 1 |
| 7 | N27385 | Ladder - Inner - Front Tank | 1 |
| 8 | N27390 | Ladder - Inner - Rear Tank | 1 |
| 9 | N27005 | Sample Collector | 1 |
| 10 | N27715 | Lid | 2 |
| 11 | N19496 | Lid Seal | 2 |
| 12 | N19726 | Screen (Optional) | 2 |
| 13 | N32770 | Handle - Tank Lid | 2 |
| 13A | N32769 | Vinyl Grip | 2 |
| 14 | N19108 | Link | 2 |
| 15 | N19109 | Link | 4 |
| 16 | N27080 | Door - Cleanout | 2 |
| 17 | N27455 | Plate - Cover - Dual Outlet | 4 |
| 18 | N42220 | Digital Scale | 1 |
| | N29280 | Spring Scale (0 to 50 lb Capacity) | |
| 19 | W-1558 | Slow Moving Sign Socket | 1 |
| 20 | N21475 | Slow Moving Sign Bracket (Hydraulic Drive ONLY) | 1 |
| 21 | N19791 | Sight Glass | 2 |
| 22 | N19211 | Ladder Lock Arm | 1 |
| 23 | D-5098 | Spring | 1 |
| 24 | N19366 | Bushing - 1/2 OD x 0.334 ID x 5/8 Lg | 1 |
| 25 | N19563 | Rubber Tie Strap - 10 | 2 |
| 26 | N27155 | Redi-Rod - 1/2 x 7 1/2 Lg | 4 |
| 27 | N27360 | Wing Locknut - 1/2 | 4 |
| 28 | N13900 | Seal Strip - 3/16 x 1 3/4 (Bulk/ft) 7240 | 37 ft |
| | N13900 | Seal Strip - 3/16 x 1 3/4 (Bulk/ft) 7300 | 41.13 ft |
| 29 | N15716 | Seal Strip - 1/4 x 1 x 152 Lg (Bulk/ft) | 2 |
| 29A | N15716 | Seal Strip - 1/4 x 1 x 38 Lg (Bulk/ft) | 4 |
| 30 | N19437 | Seal Strip - 3/8 x 7 x 26 1/2 Lg (Bulk/ft) | 2 |
| 30A | N19437 | Seal Strip - 3/8 x 7 x 8 Lg (Bulk/ft) | 8 |
| 31 | N21450 | Pop Rivet - 1/8 x 1/2 Lg - Closed Head | 8 |
| 32 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg (Engine Drive ONLY) | 1 |
| 33 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 44 |
| 34 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg (Hyd Drive ONLY) | 2 |
| 35 | W-472 | Hex Bolt - 5/16 x 1 1/4 Lg | 2 |
| 36 | W-473 | Hex Bolt - 5/16 x 1 1/2 Lg | 4 |
| 37 | W-475 | Hex Bolt - 3/8 x 1 Lg 7240 | 54 |
| | W-475 | Hex Bolt - 3/8 x 1 Lg 7300 | 72 |
| 38 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 4 |
| 39 | W-619 | Hex Bolt - 3/8 x 1 3/4 Lg | 4 |
| 40 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 4 |
| 41 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 4 |
| 42 | W-490 | Hex Bolt - 1/2 x 2 1/2 Lg | 8 |
| 43 | N19127 | Lid Bolt - 1/2 x 2 3/4 Lg | 2 |
| 44 | N21266 | Washer - Wear - 1/4 x 1 1/2 Dia | 8 |
| 45 | D-5488 | Flatwasher - 5/16 x 11/16 OD | 1 |
| 46 | W-522 | Lockwasher - 5/16 | 1 |
| 47 | D-5489 | Flatwasher - 3/8 x 13/16 OD | 4 |
| 48 | D-5579 | Flatwasher - 3/8 x 1 OD | 4 |
| 49 | W-523 | Lockwasher - 3/8 | 4 |
| 50 | D-5277 | Locknut - 1/4 Serrated (Engine Drive ONLY) | 1 |
| 51 | W-513 | Hex Nut - 5/16 | 3 |
| 52 | D-5272 | Locknut - 5/16 Unitorque | 4 |
| 53 | D-5278 | Locknut - 5/16 Serrated | 46 |
| 54 | D-5278 | Locknut - 5/16 Serrated (Hydraulic Drive ONLY) | 2 |
| 55 | W-514 | Hex Nut - 3/8 | 4 |
| 56 | M-3388 | Locknut - 3/8 Unitorque | 16 |
| 57 | D-5279 | Locknut - 3/8 Serrated 7240 | 54 |
| | D-5279 | Locknut - 3/8 Serrated 7300 | 72 |
| 58 | W-516 | Hex Nut - 1/2 | 8 |
| 59 | F-3405 | Locknut - 1/2 Unitorque | 8 |
| 60 | S-1292 | Jam Nut - 1/2 | 4 |
| 61 | N27856 | Bracket - Sampler | 1 |
| 62 | N25457 | U-Bolt - 3/8 x 4 1/16 x 8 15/16 | 2 |
| 63 | N28831 | Cover Plate - Meter Body (For Fine Seeds) | 1 |
| 64 | N29048 | Hex Bolt - 5/16 x 1 Lg Stainless Steel | 2 |
| 65 | N29049 | Wingnut - 5/16 Stainless Steel | 2 |
| 66 | N29335 | Bracket - Manifold Valve (Variable Rate Drive ONLY) | 1 |
| 67 | N29479 | Hex Bolt - 3/8 x 9 Lg (Variable Rate Drive ONLY) | 4 |
| | N27591 | Decal - "MORRIS" 7240 - Front & Rear Only (Not Shown) | 2 |
| | N27592 | Decal - "MORRIS" 7240 - Side & 7300 - Front, Side & Rear | 2 |
| | N27595 | Decal - "7240" (Not Shown) | 1 |
| | N27596 | Decal - "7300" (Not Shown) | 1 |
| | N34476 | Reflector - Red (Not Shown) | 2 |
| | N34477 | Reflector - Yellow (Not Shown) | 4 |
| | N34478 | Reflector - Orange (Not Shown) | 2 |
| | N15094 | Decal - Caution (Not Shown) | 2 |
| | N21604 | Decal - Important "CORROSION" (Not Shown) | 2 |
| | N27851 | Rate Chart Decal - Slow Speed (Not Shown) | 1 |
| | N27861 | Rate Chart Decal - Slow Speed - Metric (Not Shown) | 1 |
| | N27852 | Rate Chart Decal - Seed (Not Shown) | 1 |
| | N27862 | Rate Chart Decal - Seed - Metric (Not Shown) | 1 |
| | N27853 | Rate Chart Decal - Fertilizer (Not Shown) | 1 |
| | N27863 | Rate Chart Decal - Fertilizer - Metric (Not Shown) | 1 |
| | N28667 | Rate Chart Decal - Soybeans (Not Shown) | 1 |
| | N34281 | Rate Chart Decal - Sunflowers (Not Shown) | 1 |
| | N29063 | Decal - "Cover Plate" (Not Shown) | 1 |
| | N29380 | Decal - "Rate Calibration" Variable Rate Only (Not Shown) | 1 |
| | N31707 | Decal - "7240 VRT" Varaible Rate Only (Not Shown) | 1 |
| | N31708 | Decal - "7300 VRT" Varaible Rate Only (Not Shown) | 1 |

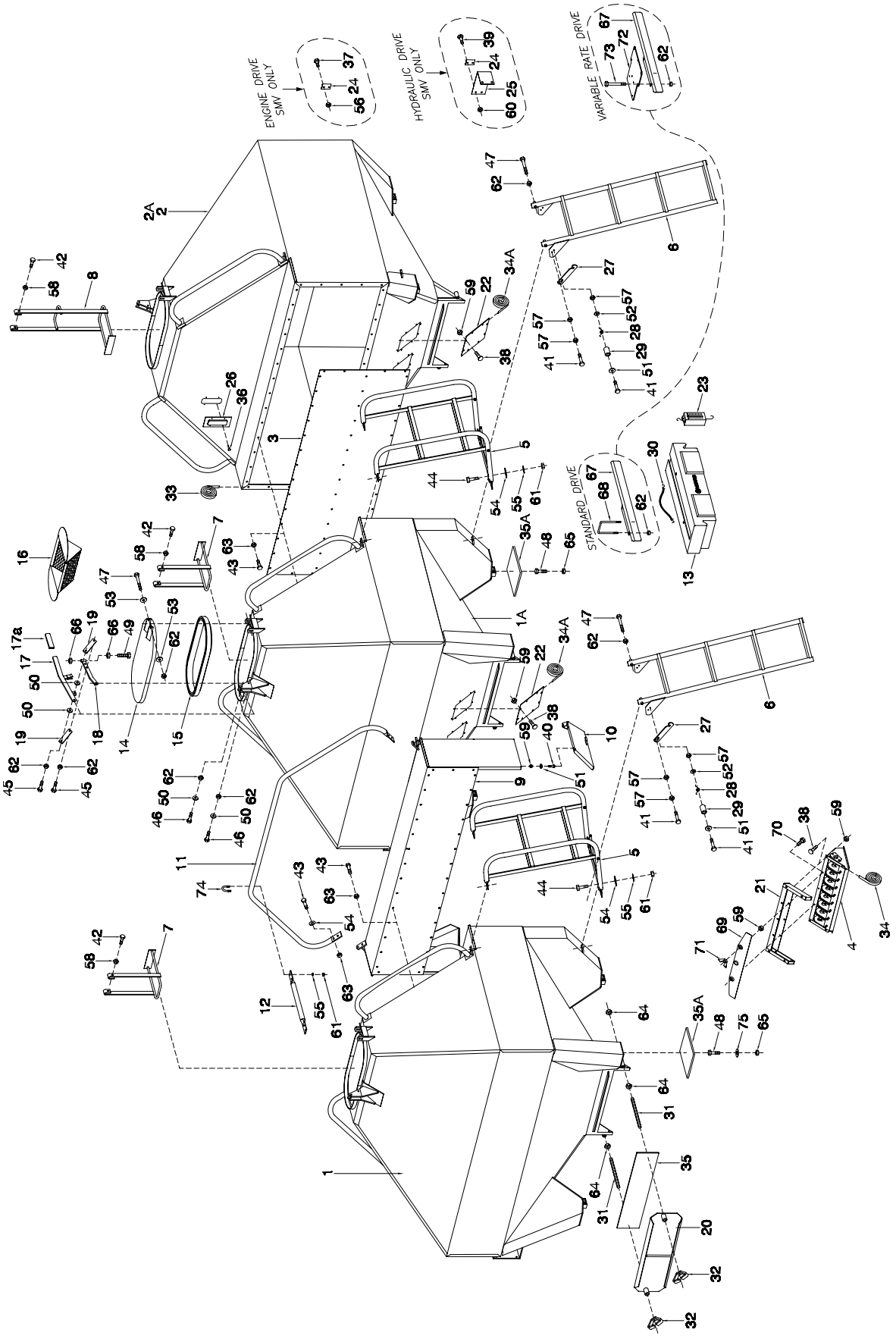
# Hopper and Frame
## 7240 Hopper Assembly - June 2007



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 4 |
| 2 | D-5098 | Spring | 1 |
| 3 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 44 |
| 4 | D-5278 | Flange Lock Nut - 5/16 | 50 |
| 5 | D-5279 | Lock Nut - 3/8 Flange | 48 |
| 6 | D-5488 | Washer - 11/32 ID x 11/16 OD x 1 | 1 |
| 7 | D-5489 | Washer - 13/32 ID x 13/16 OD x 1 | 4 |
| 8 | D-5579 | Washer - 13/32 ID x 1 OD x 16 Ga | 2 |
| 9 | F-3405 | Locknut - 1/2 Unitorque | 8 |
| 10 | M-3388 | Locknut - 3/8 Unitorque | 20 |
| 11 | N13900 | Seal Strip - 3/16 x 1 3/4 (Bulk/ft) | 37 ft |
| 12 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 26 ft |
| 13 | N19108 | Link | 2 |
| 14 | N19109 | Link | 4 |
| 15 | N19127 | Lid Bolt - 1/2 x 2 13/16 Lg | 2 |
| 16 | N19211 | Ladder Lock Arm | 1 |
| 17 | N19366 | Bushing - 1/2 OD x 0.334 ID | 1 |
| 18 | N19437 | Seal Strip - 3/8 x 7 (Bulk/ft) x 4.875 ft | 2 |
| 19 | N19496 | Tank Lid Seal | 2 |
| 20 | N19563 | Tie Down Strap - Rubber - 10 Lg | 2 |
| 21 | N19791 | Sight Glass | 2 |
| 22 | N21266 | Wear Washer | 8 |
| 23 | N21450 | Pop Rivet - Closed Head | 8 |
| 24 | N24792 | Ladder | 1 |
| 25 | N25457 | U-Bolt - 3/8 x 4 1/16 x 8 15/16 | 2 |
| 26 | N27005 | Sample Collector | 1 |
| 27 | N27080 | Cleanout Door | 2 |
| 28 | N27100 | Meterbody | 2 |
| 29 | N27155 | Rod - Threaded - 1/2 Dia x 7 1/2 Lg | 4 |
| 30 | N27360 | Wing - Lock Nut - 1/2 | 4 |
| 31 | N27455 | Blank Off Plate | 4 |
| 32 | N27715 | Tank Lid | 2 |
| 33 | N27856 | Sample Collector Bracket | 1 |
| 34 | N28831 | Cover Plate - Meter Body | 1 |
| 35 | N29048 | Hex Bolt - 5/16 x 1 Lg Stainless Steel | 2 |
| 36 | N29049 | Wing Nut - 5/16 Stainless Steel | 2 |
| 37 | N29335 | Mount Bracket - VRT only | 1 |
| 38 | N29479 | Hex Bolt - 3/8 x 9 Lg - VRT only | 4 |
| 39 | N32769 | Handle Cover | 2 |
| 40 | N32770 | Tank Handle Weldment | 2 |
| 41 | N42220 | Digital Hanging Scale | 1 |
| 42 | N42507 | Link | 2 |
| 43 | N44050 | Front Tank - 7240 | 1 |
| 44 | N44060 | Rear Tank - 7240 | 1 |
| 45 | N44070 | Tank Filler Panel | 2 |
| 46 | N44090 | Handrail | 1 |
| 47 | N44100 | Ladder - Inner | 2 |
| 48 | S-1292 | Hex Jam Nut - 1/2 | 4 |
| 49 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 6 |
| 50 | W-472 | Hex Bolt - 5/16 x 1 1/4 Lg | 2 |
| 51 | W-473 | Hex Bolt - 5/16 x 1 1/2 Lg | 4 |
| 52 | W-475 | Hex Bolt - 3/8 x 1 Lg | 48 |
| 53 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 4 |
| 54 | W-490 | Hex Bolt - 1/2 x 2 1/2 Lg | 8 |
| 55 | W-513 | Hex Nut - 5/16 | 3 |
| 56 | W-514 | Hex Nut - 3/8 | 2 |
| 57 | W-516 | Hex Nut - 1/2 | 8 |
| 58 | W-522 | Lockwasher - 5/16 | 1 |
| 59 | W-523 | Lockwasher - 3/8 | 2 |
| 60 | W-619 | Hex Bolt - 3/8 x 1 3/4 Lg | 4 |
| | N27591 | Decal - “MORRIS” 7240 - Front & Rear Only (Not Shown) | 2 |
| | N27592 | Decal - “MORRIS” 7240 - Side & 7300 - Front, Side & Rear | 2 |
| | N27595 | Decal - “7240” (Not Shown) | 1 |
| | N27596 | Decal - “7300” (Not Shown) | 1 |
| | N34476 | Reflector - Red (Not Shown) | 2 |
| | N34477 | Reflector - Yellow (Not Shown) | 4 |
| | N34478 | Reflector - Orange (Not Shown) | 2 |
| | N15094 | Decal - Caution (Not Shown) | 2 |
| | N21604 | Decal - Important “CORROSION” (Not Shown) | 2 |
| | N27851 | Rate Chart Decal - Slow Speed (Not Shown) | 1 |
| | N27861 | Rate Chart Decal - Slow Speed - Metric (Not Shown) | 1 |
| | N27852 | Rate Chart Decal - Seed (Not Shown) | 1 |
| | N27862 | Rate Chart Decal - Seed - Metric (Not Shown) | 1 |
| | N27853 | Rate Chart Decal - Fertilizer (Not Shown) | 1 |
| | N27863 | Rate Chart Decal - Fertilizer - Metric (Not Shown) | 1 |
| | N28667 | Rate Chart Decal - Soybeans (Not Shown) | 1 |
| | N34281 | Rate Chart Decal - Sunflowers (Not Shown) | 1 |
| | N29063 | Decal - “Cover Plate” (Not Shown) | 1 |
| | N29380 | Decal - “Rate Calibration” Variable Rate Only (Not Shown) | 1 |
| | N31707 | Decal - “7240 VRT” Varaible Rate Only (Not Shown) | 1 |
| | N31708 | Decal - “7300 VRT” Varaible Rate Only (Not Shown) | 1 |

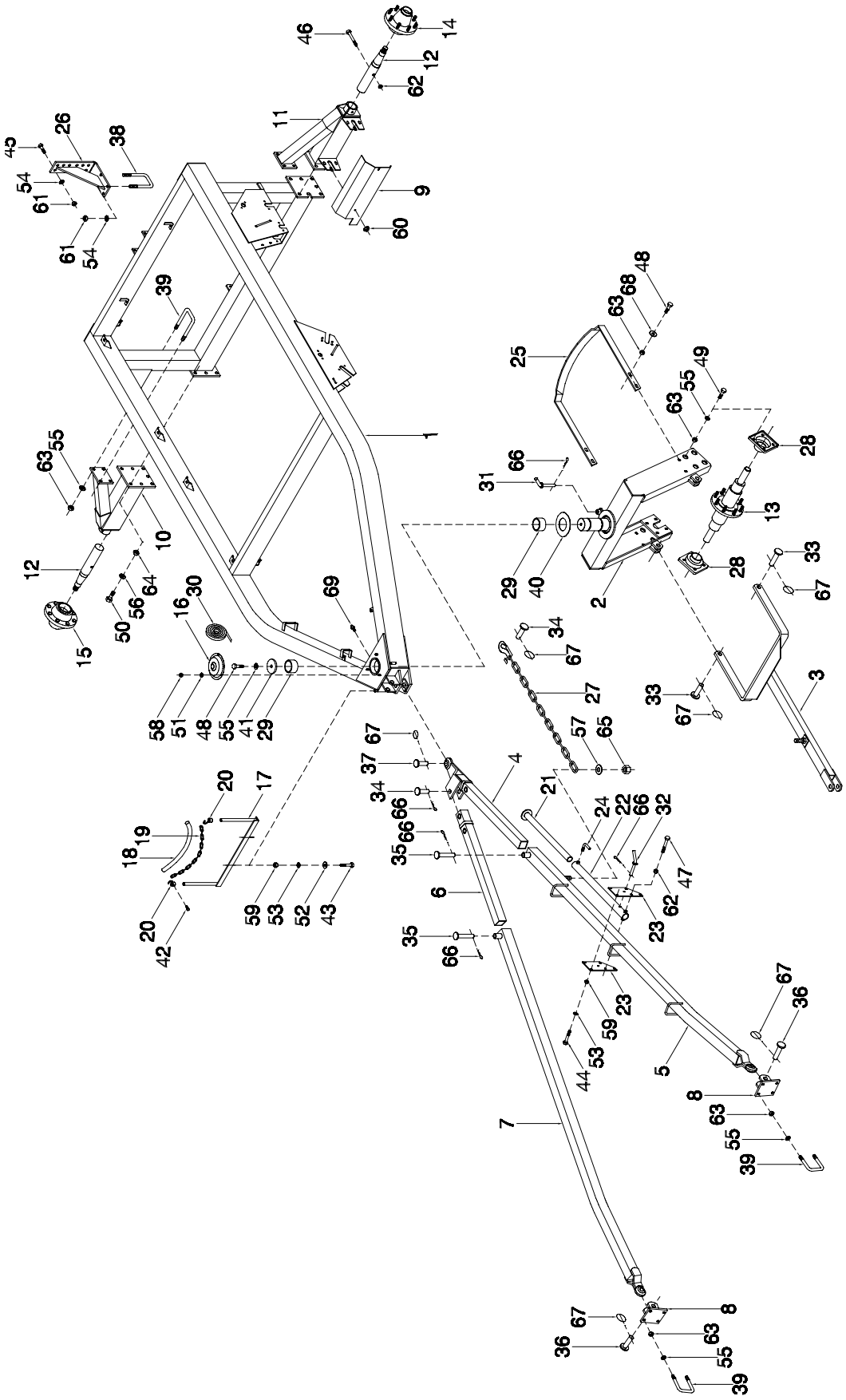
# Hopper and Frame
## 7252 Hopper Assembly



## Hopper and Frame - 7252 Hopper Assembly

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27191 | Hopper - Front | 1 |
| 1A | N32052 | Hopper - Middle | 1 |
| 2 | N27192 | Hopper - Rear (Hydraulic Drive) | 1 |
| 2A | N27193 | Hopper - Rear (Engine Drive) | 1 |
| 3 | N27337 | Tank Panel | 1 |
| 4 | * * * * * | Metering Body - 8 Outlet (See Section 2 page 10 & 11) | 3 |
| 5 | N27475 | Handrail - Tank | 2 |
| 6 | N24792 | Ladder 4 Step | 2 |
| 7 | N27375 | Ladder - Inner - Front Tank | 2 |
| 8 | N27380 | Ladder - Inner - Rear Tank | 1 |
| 9 | N31513 | Platform | 1 |
| 10 | N31626 | Platform Extension | 1 |
| 11 | N31548 | Handrail | 1 |
| 12 | N31549 | Cross Brace | 1 |
| 13 | N27005 | Sample Collector | 1 |
| 14 | N27715 | Lid | 3 |
| 15 | N19496 | Lid Seal | 3 |
| 16 | N19726 | Screen (Optional) | 3 |
| 17 | N32770 | Handle - Tank Lid (N32769 - Vinyl Grip) | 3 |
| 18 | N19108 | Link | 3 |
| 19 | N19109 | Link | 6 |
| 20 | N31506 | Cleanout Door | 3 |
| 21 | N31503 | Meterbody Spacer | 3 |
| 22 | N27455 | Plate - Cover - Dual Outlet | 8 |
| 23 | N29280 | Scale (0 to 50 lb Capacity) | 1 |
| | N42220 | Digital Scale (Optional) | |
| 24 | W-1558 | Slow Moving Sign Socket | 1 |
| 25 | N21475 | Slow Moving Sign Bracket (Hydraulic Drive ONLY) | 1 |
| 26 | N19791 | Sight Glass | 3 |
| 27 | N19211 | Ladder Lock Arm | 2 |
| 28 | D-5098 | Spring | 2 |
| 29 | N19366 | Bushing - 1/2 OD x 0.334 ID x 5/8 Lg | 2 |
| 30 | N19563 | Rubber Tie Strap - 10 | 2 |
| 31 | N27155 | Redi-Rod - 1/2 x 7 1/2 Lg | 6 |
| 32 | N27360 | Wing Locknut - 1/2 | 6 |
| 33 | N13900 | Seal Strip - 3/16 x 1 3/4 (Bulk/ft) | 52.5 ft |
| 34 | N15716 | Seal Strip - 1/4 x 1 x 152 Lg (Bulk/ft) | 3 |
| 34A | N15716 | Seal Strip - 1/4 x 1 x 52 1/2 Lg (Bulk/ft) | 4 |
| 35 | N31623 | Seal Strip - 3/8 x 9 x 26 1/2 | 3 |
| 35A | N19437 | Seal Strip - 3/8 x 7 x 8 Lg (Bulk/ft) | 12 |
| 36 | N21450 | Pop Rivet - 1/8 x 1/2 Lg - Closed Head | 15 |
| 37 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg (Engine Drive ONLY) | 1 |
| 38 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 66 |
| 39 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg (Hyd Drive ONLY) | 2 |
| 40 | F-1767 | Hex Bolt - 5/16 x 3/4 | 15 |
| 41 | W-472 | Hex Bolt - 5/16 x 1 1/4 Lg | 5 |
| 42 | W-473 | Hex Bolt - 5/16 x 1 1/2 Lg | 6 |
| 43 | W-475 | Hex Bolt - 3/8 x 1 Lg | 98 |
| 44 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 10 |
| 45 | W-619 | Hex Bolt - 3/8 x 1 3/4 Lg | 6 |
| 46 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 6 |
| 47 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 7 |
| 48 | W-490 | Hex Bolt - 1/2 x 2 1/2 Lg | 12 |
| 49 | N19127 | Lid Bolt - 1/2 x 2 3/4 Lg | 3 |
| 50 | N21266 | Washer - Wear - 1/4 x 1 1/2 Dia | 12 |
| 51 | D-5488 | Flatwasher - 5/16 x 11/16 OD | 3 |
| 52 | W-522 | Lockwasher - 5/16 | 2 |
| 53 | D-5489 | Flatwasher - 3/8 x 13/16 OD | 6 |
| 54 | D-5579 | Flatwasher - 3/8 x 1 OD | 8 |
| 55 | W-523 | Lockwasher - 3/8 | 8 |
| 56 | D-5277 | Locknut - 1/4 Serrated (Engine Drive ONLY) | 3 |
| 57 | W-513 | Hex Nut - 5/16 | 6 |
| 58 | D-5272 | Locknut - 5/16 Unitorque | 6 |
| 59 | D-5278 | Locknut - 5/16 Serrated | 89 |
| 60 | D-5278 | Locknut - 5/16 Serrated (Hydraulic Drive ONLY) | 2 |
| 61 | W-514 | Hex Nut - 3/8 | 8 |
| 62 | M-3388 | Locknut - 3/8 Unitorque | 19 |
| 63 | D-5279 | Locknut - 3/8 Serrated | 90 |
| 64 | W-516 | Hex Nut - 1/2 | 12 |
| 65 | F-3405 | Locknut - 1/2 Unitorque | 12 |
| 66 | S-1292 | Jam Nut - 1/2 | 6 |
| 67 | N27856 | Bracket - Sampler | 1 |
| 68 | N25457 | U-Bolt - 8 15/16 Lg | 2 |
| 69 | N28831 | Cover Plate - Meterbody (For Fine Seeds) | 2 |
| 70 | N29048 | Hex Bolt - 5/16 x 1 Lg Stainless Steel | 8 |
| 71 | N29049 | Wingnut - 5/16 Stainless Steel | 4 |
| 72 | N29335 | Bracket - Manifold Valve (Variable Rate Drive ONLY) | 1 |
| 73 | N29479 | Hex Bolt - 3/8 x 9 Lg (Variable Rate Drive ONLY) | 4 |
| 74 | N31609 | U-Bolt - 3/8 x 1 1/2 x 2 1/8 | 2 |
| 75 | C-333 | Flatwasher - 1/2 x 1 1/2 OD (Front Tank Only ) | 4 |
| | N34476 | Reflector - Red (Not Shown) | 2 |
| | N34477 | Reflector - Yellow (Not Shown) | 4 |
| | N34478 | Reflector - Orange (Not Shown) | 2 |
| | N15094 | Decal - Caution (Not Shown) | 3 |
| | N21604 | Decal - Important “CORROSION” (Not Shown) | 3 |
| | N27851 | Rate Chart Decal - Slow Speed - Seed (Not Shown) | 1 |
| | N27861 | Rate Chart Decal - Slow Speed - Metric - Seed (Not Shown) | 1 |
| | N27852 | Rate Chart Decal - Seed (Not Shown) | 1 |
| | N27862 | Rate Chart Decal - Seed - Metric (Not Shown) | 1 |
| | N27853 | Rate Chart Decal - Fertilizer (Not Shown) | 1 |
| | N27863 | Rate Chart Decal - Fertilizer - Metric (Not Shown) | 1 |
| | N28667 | Rate Chart Decal - Soybeans (Not Shown) | 1 |
| | N34281 | Rate Chart Decal - Sunflowers (Not Shown) | 1 |
| | N29063 | Decal - “Cover Plate” (Not Shown) | 4 |
| | N29380 | Decal - “Rate Calibration” For Variable Rate Only (Not Shown) | 1 |
| | N29099 | Decal - Rate Chart - Fert - Slow Speed (Not Shown) | 1 |
| | N31696 | Decal - “7252 VRT” | 1 |
| | N29201 | Rate Chart Decal - Fert - Slow Speed - Metric (Not Shown) | 1 |
| | N31520 | Decal - “7252” | 1 |

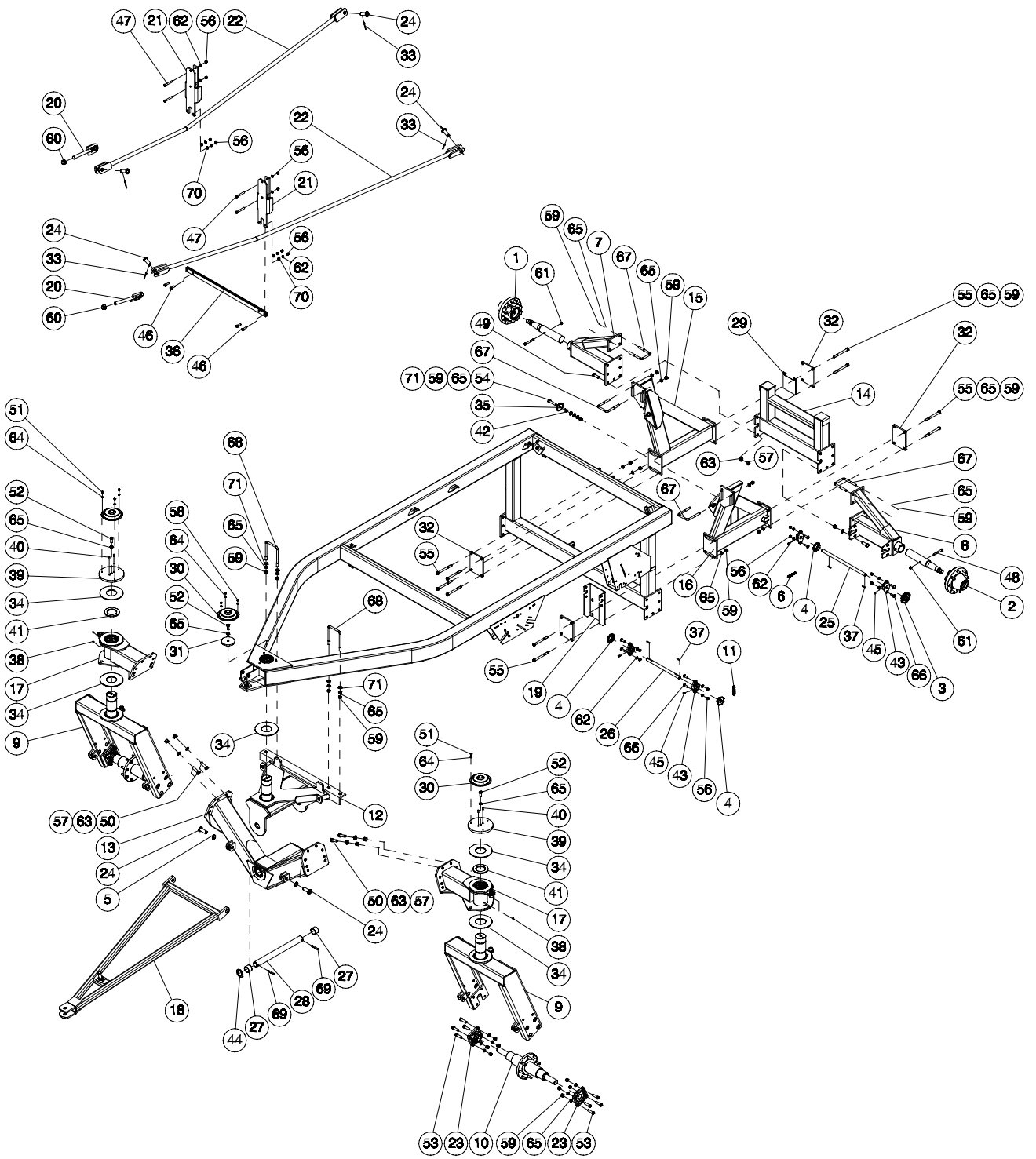
# Hopper and Frame
## 7130 / 7180 Tow Behind Frame



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27000 | Frame - Tow Behind | 1 |
| 2 | N27025 | Castor Fork 7180 | 1 |
| | N27725 | Castor Fork 7130 | 1 |
| 3 | N27030 | Tow Hitch 7180 | 1 |
| | N27730 | Tow Hitch 7130 | 1 |
| 4 | N19049 | Hitch Tube - Left Inner 7130 - before Serial # 7139600279 | 1 |
| | | 7180 - before Serial # 7189600612 | 1 |
| | N29468 | Hitch Tube - Left Inner | 1 |
| 5 | N19196 | Hitch Tube - Left Outer (Straight) | 1 |
| 6 | N19051 | Hitch Tube - Right Inner | 1 |
| 7 | N19054 | Hitch Tube - Right Outer (Straight) | 1 |
| 8 | N19203 | Bracket Mounting Lugs | 1 |
| 9 | N27070 | Guard - Shaft - 22 5/8 | 1 |
| 10 | N27001 | Axle Extension - Right | 1 |
| 11 | N27002 | Axle Extension - Left | 1 |
| 12 | N19166 | Spindle - 2 1/2 Dia | 1 |
| 13 | N27035 | Axle 7180 | 1 |
| | N27735 | Axle 7130 | 1 |
| 14 | * * * * * | Drive Hub Assembly (See Section 3) | 1 |
| 15 | * * * * * | Non-Drive Hub Assembly (See Section 3) | 1 |
| 16 | N19795 | Dirt Shield | 1 |
| 17 | N27465 | Bracket - Primary Hose - 26 | 1 |
| 18 | R480034 | Hose - 1.169 OD (Bulk/ft) | 1.5 ft |
| 19 | N19448 | Chain - 3/16 x 80 Links | 1 |
| 20 | N19717 | Hook - Chain | 2 |
| 21 | N22794 | Tube - Inner | 2 |
| 22 | N22793 | Tube - Outer | 2 |
| 23 | N22797 | Plate - Mount | 4 |
| 24 | D10553 | Handle | 2 |
| 25 | N27795 | Mud Scraper - Optional 7180 | 1 |
| | N27790 | Mud Scraper - Optional 7130 | 1 |
| 26 | N34742 | Harrow Mount Bracket | 2 |
| 27 | C18760 | Chain - Safety - 3/8 P-7 AG | 1 |
| 28 | S-1115 | Flange Bearing Unit | 2 |
| 29 | N19794 | Bushing | 2 |
| 30 | N21008 | Seal Strip - 1/8 x 1/2 | 1 ft |
| 31 | D-5131 | Castor Lock Pin | 1 |
| 32 | D-5140 | Pin - Cable Lock - 5/8 Dia | 2 |
| 33 | W-558 | Pin - 1 Dia x 2 1/4 UL | 2 |
| 34 | W-1628 | Pin - 1 Dia x 3 3/4 UL | 2 |
| 35 | N19055 | Pin - 1 Dia x 5 13/32 UL | 2 |
| 36 | N16226 | Pin - Hitch - 1 1/8 Dia x 3 1/16 UL | 2 |
| 37 | N19368 | Pin - 1 1/4 Dia x 4 UL | 1 |
| 38 | C-3932 | U-Bolt - 1/2 x 4 x 7 1/4 | 4 |
| 39 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 | 8 |
| 40 | N19423 | Plate - Wear | 1 |
| 41 | N19796 | Washer | 1 |
| 42 | C-4651 | Set Screw - 1/4 x 1 Lg | 2 |
| 43 | W-480 | Hex Bolt - 3/8 x 2 1/2 Lg | 2 |
| 44 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 6 |
| 45 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 8 |
| 46 | W-494 | Hex Bolt - 1/2 x 3 3/4 Lg | 2 |
| 47 | S-951 | Hex Bolt - 1/2 x 4 1/2 Lg | 6 |
| 48 | W-497 | Hex Bolt - 5/8 x 1 1/2 Lg | 5 |
| 49 | W-500 | Hex Bolt - 5/8 x 2 1/4 Lg | 8 |
| 50 | C-695 | Hex Bolt - 3/4 x 2 Lg | 13 |
| 51 | W-522 | Lockwasher - 5/16 | 3 |
| 52 | D-5489 | Flatwasher - 3/8 | 2 |
| 53 | W-523 | Lockwasher - 3/8 | 8 |
| 54 | W-525 | Lockwasher - 1/2 | 16 |
| 55 | W-526 | Lockwasher - 5/8 | 25 |
| 56 | W-527 | Lockwasher - 3/4 | 13 |
| 57 | N19065 | Flatwasher - 1 1/16 | 1 |
| 58 | W-513 | Hex Nut - 5/16 | 3 |
| 59 | W-514 | Hex Nut - 3/8 | 8 |
| 60 | D-5279 | Locknut - 3/8 Serrated | 2 |
| 61 | W-516 | Hex Nut - 1/2 | 16 |
| 62 | F-3405 | Locknut - 1/2 Unitorque | 6 |
| 63 | W-517 | Hex Nut - 5/8 | 28 |
| 64 | W-518 | Hex Nut - 3/4 | 13 |
| 65 | D-5274 | Locknut - 1 Unitorque | 1 |
| 66 | BW-11 | Hair Pin - #8 - 3/16 x 3 3/4 Lg | 5 |
| 67 | N19307 | Klik Pin - 1/4 Dia x 1 3/4 Lg | 6 |
| 68 | W-629 | Flatwasher - 5/8 | 4 |
| 69 | C-304 | Grease Zerk - 1/8 Straight | 2 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |
| | S29378 | Decal - “Danger” (Not Shown) | 1 |
| | N22800 | Hitch Stand Kit (Order Through Wholegoods) (Items 21, 22, 23, 24, 32, 44, 47, 53, 59, 62, 66) | |
| | N20772 | Harrow Mount Kit (Order Through Wholegoods) (Items 26, 38, 45, 54, 61) | |

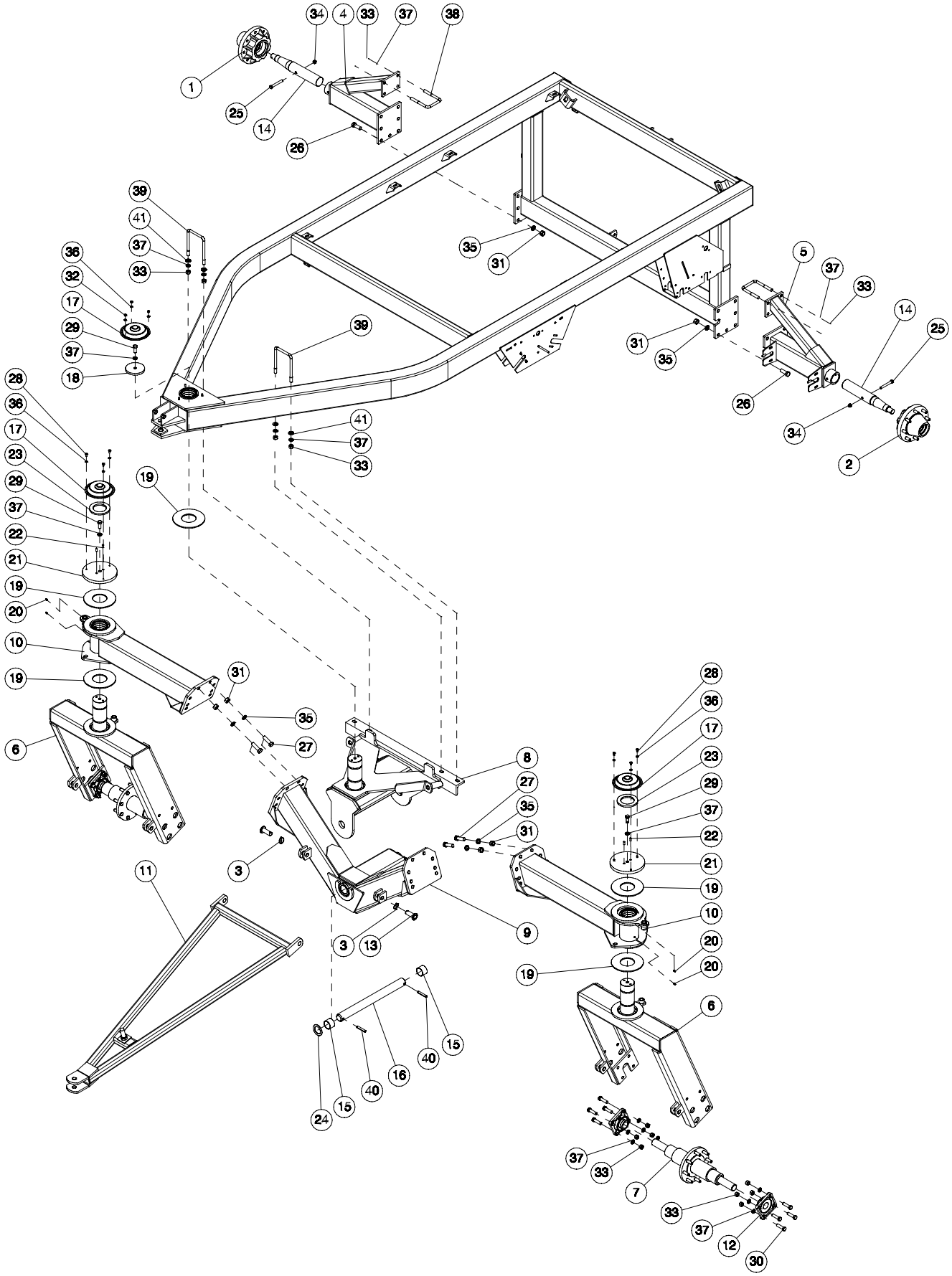
# Hopper and Frame
# 7130 / 7180 - 2 Meter Track



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19173 | Non Drive Hub (See Section 3) | 1 |
| 2 | N19174 | Drive Hub (See Section 3) | 1 |
| 3 | N19223 | Sprocket - 60B15 | 1 |
| 4 | N19237 | Sprocket - 40B18 | 3 |
| 5 | N19307 | Klik Pin - 1/4 x 1 3/4 Lg | 2 |
| 6 | N21081 | 40 Chain x 147 Link W/Connector | 1 |
| 7 | N27001 | Axle Extension - Right | 1 |
| 8 | N27002 | Axle Extension - Left | 1 |
| 9 | N27725 | Castor Fork - 7130 | 2 |
| 9A | N27025 | Castor Fork - 7180 | 2 |
| 10 | N27735 | Axle - 7130 (See Section 3) | 2 |
| 10A | N27035 | Axle - 7180 (See Section 3) | 2 |
| 11 | N27626 | 40 Chain x 134 Link W/Connector | 1 |
| 12 | N34855 | Walking Axle Mount Bracket | 1 |
| 13 | N34860 | Center Walking Axle Section | 1 |
| 14 | N34865 | 2 Meter Rear Axle Subframe | 1 |
| 15 | N34870 | Right Axle Bracket - 2 Meter Rear | 1 |
| 16 | N34875 | Left Axle Bracket - 2 Meter Rear | 1 |
| 17 | N34885 | Axle Extension Stub - 2 Meter | 2 |
| 18 | N34905 | Transport Tow Hitch | 1 |
| 19 | N34910 | Jack Shaft Mount Channel | 1 |
| 20 | N34915 | Truss Rod Eyebolt | 2 |
| 21 | N34920 | Truss Tower | 2 |
| 22 | N34925 | Truss Rod | 2 |
| 23 | S-1115 | Flange Bearing | 4 |
| 24 | W-558 | Pin - 1 x 2 1/4 UL | 6 |
| 25 | N34919 | Jackshaft - 21 Lg | 1 |
| 26 | N34921 | Jackshaft - 16 Lg | 1 |
| 27 | N34895 | Bushing - 2 1/4 OD x 2 ID | 2 |
| 28 | N34890 | Walking Axle Pivot Pin | 1 |
| 29 | N40705 | Shim - 2 Meter | 3 |
| 30 | N19795 | Dirt Shield | 3 |
| 31 | N34930 | Retaining Washer | 1 |
| 32 | N40502 | Mount Plate | 4 |
| 33 | W-4181 | Cotter Pin - 1/4 x 2 Lg | 4 |
| 34 | N19423 | Wear Plate | 5 |
| 35 | D17808 | Sprocket Idler- 40A17 W/5/8 Bore | 1 |
| 36 | N34922 | Tower Tie Strap | 2 |
| 37 | S10730 | Key - 1/4 x 1/4 x 1 1/4 Lg | 4 |
| 38 | C-304 | Grease Zerk - 1/8 MNPT Straight | 6 |
| 39 | N34928 | Caster Drag/Retainer Plate | 2 |
| 40 | P106023 | Pin Spiral - 3/8 x 2 | 4 |
| 41 | N40503 | Dust Seal - 3/8 Felt | 2 |
| 42 | N19577 | Bushing - 7/8 x .657 ID | 1 |
| 43 | N19224 | Bearing | 4 |
| 44 | J12279 | Flat Washer - 2 | 1 |
| 45 | F-3056 | Grease Zerk - 1/4 x 90 Degree | 4 |
| 46 | S-1192 | Hex Bolt - 1/2 x 1 1/2 Lg - Fine Thread | 4 |
| 47 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg | 4 |
| 48 | W-494 | Hex Bolt - 1/2 x 3 3/4 Lg | 2 |
| 49 | C-695 | Hex Bolt - 3/4 x 2 Lg | 12 |
| 50 | W-509 | Hex Bolt - 3/4 x 2-1/2 Lg | 16 |
| 51 | D-5247 | Hex Bolt - 5/16 x 1/2 Lg | 6 |
| 52 | W-497 | Hex Bolt - 5/8 x 1-1/2 Lg | 3 |
| 53 | W-500 | Hex Bolt - 5/8 x 2-1/4 Lg | 16 |
| 54 | C-3016 | Hex Bolt - 5/8 x 3 Lg | 1 |
| 55 | C-508 | Hex Boxt - 5/8 x 6-1/2 Lg | 16 |
| 56 | W-516 | Hex Nut - 1/2 | 16 |
| 57 | W-518 | Hex Nut - 3/4 | 28 |
| 58 | W-513 | Hex Nut - 5/16 | 3 |
| 59 | W-517 | Hex Nut - 5/8 | 49 |
| 60 | D-5274 | Locknut - 1 Unitorque | 2 |
| 61 | F-3405 | Locknut - 1/2 Unitorque | 2 |
| 62 | W-525 | Lockwasher - 1/2 | 16 |
| 63 | W-527 | Lockwasher - 3/4 | 28 |
| 64 | W-522 | Lockwasher - 5/16 | 9 |
| 65 | W-526 | Lockwasher - 5/8 | 52 |
| 66 | H-4584 | Carriage Bolt - 1/2 x 1 1/2 Lg | 8 |
| 67 | C-219 | U-Bolt - 5/8 x 4 x 5-9/16 | 6 |
| 68 | N34929 | U-Bolt - 5/8 x 4-7/8 x 7-1/2 | 2 |
| 69 | N34933 | Spiral Pin -1/2 Dia x 2 3/4 Lg | 2 |
| 70 | S-1925 | Flat Washer - 1/2 | 4 |
| 71 | W-629 | Flat Washer - 5/8 | 6 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |
| | S29378 | Decal - “Danger” (Not Shown) | 1 |

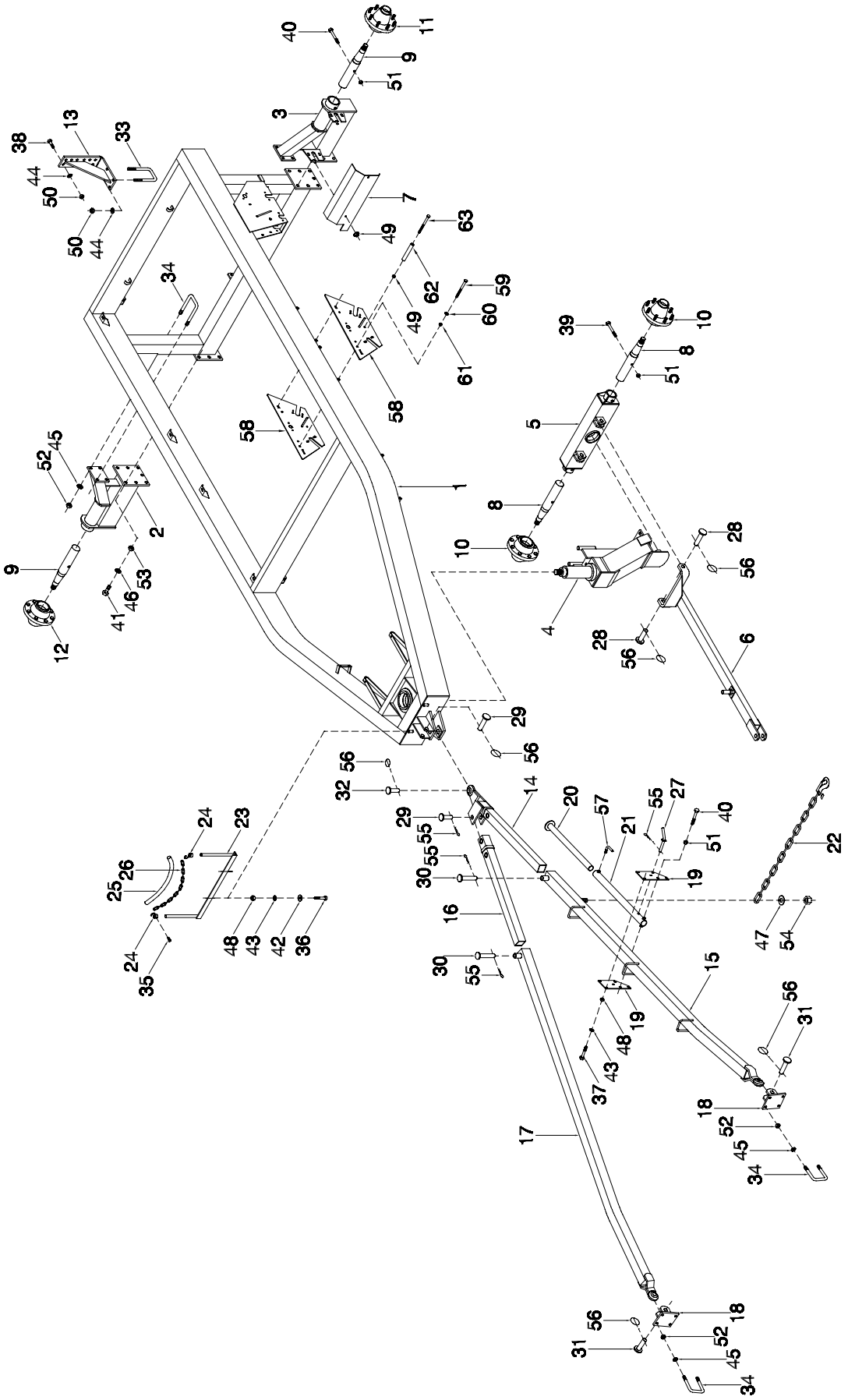
# Hopper and Frame
# 7130 / 7180 - 3 Meter Track



## Hopper and Frame - 7130 / 7180 - 3 Meter Track

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19173 | Non Drive Hub (See Section 3) | 1 |
| 2 | N19174 | Drive Hub (See Section 3) | 1 |
| 3 | N19307 | Klik Pin - 1/4 x 1 3/4 Lg | 2 |
| 4 | N27001 | Axle Extension - Right | 1 |
| 5 | N27002 | Axle Extension - Left | 1 |
| 6 | N27725 | Castor Fork - 7130 | 2 |
| 6A | N27025 | Castor Fork - 7180 | 2 |
| 7 | N27735 | Axle - 7130 (See Section 3) | 2 |
| 7A | N27035 | Axle - 7180 (See Section 3) | 2 |
| 8 | N34855 | Walking Axle Mount Bracket | 1 |
| 9 | N34860 | Center Walking Axle Section | 1 |
| 10 | N34880 | Axle Extension Stub | 2 |
| 11 | N34905 | Transport Tow Hitch | 1 |
| 12 | S-1115 | Flange Bearing | 4 |
| 13 | W-558 | Pin - 1 x 2 1/4 UL | 2 |
| 14 | N19166 | Spindle - 2 1/2 Dia | 2 |
| 15 | N34895 | Bushing - 2 1/4 OD x 2 ID | 2 |
| 16 | N34890 | Walking Axle Pivot Pin | 1 |
| 17 | N19795 | Dirt Shield | 3 |
| 18 | N34930 | Retaining Washer | 1 |
| 19 | N19423 | Wear Plate | 5 |
| 20 | C-304 | Grease Zerk - 1/8 MNPT Straight | 6 |
| 21 | N34928 | Caster Drag/Retainer Plate | 2 |
| 22 | P106023 | Pin - 3/8 x 2 Lg | 4 |
| 23 | N40503 | Dust Seal - 3/8 Felt | 2 |
| 24 | J12279 | Flat Washer - 2 | 1 |
| 25 | W-494 | Hex Bolt - 1/2 x 3 3/4 Lg | 2 |
| 26 | C-695 | Hex Bolt - 3/4 x 2 Lg | 12 |
| 27 | W-509 | Hex Bolt - 3/4 x 2-1/2 Lg | 16 |
| 28 | D-5247 | Hex Bolt - 5/16 x 1/2 Lg | 6 |
| 29 | W-497 | Hex Bolt - 5/8 x 1-1/2 Lg | 3 |
| 30 | W-500 | Hex Bolt - 5/8 x 2-1/4 | 16 |
| 31 | W-518 | Hex Nut - 3/4 | 28 |
| 32 | W-513 | Hex Nut - 5/16 | 3 |
| 33 | W-517 | Hex Nut - 5/8 | 28 |
| 34 | F-3405 | Locknut - 1/2 Unitorque | 2 |
| 35 | W-527 | Lockwasher - 3/4 | 28 |
| 36 | W-522 | Lockwasher - 5/16 | 9 |
| 37 | W-526 | Lockwasher - 5/8 | 31 |
| 38 | C-219 | U-Bolt - 5/8 x 4 x 5-9/16 | 4 |
| 39 | N34929 | U-Bolt - 5/8 x 4-7/8 x 7-1/2 | 2 |
| 40 | N34933 | Spiral Pin -1/2 Dia x 2 3/4 Lg | 2 |
| 41 | W-629 | Flat Washer - 5/8 | 4 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |
| | S29378 | Decal - “Danger” (Not Shown) | 1 |

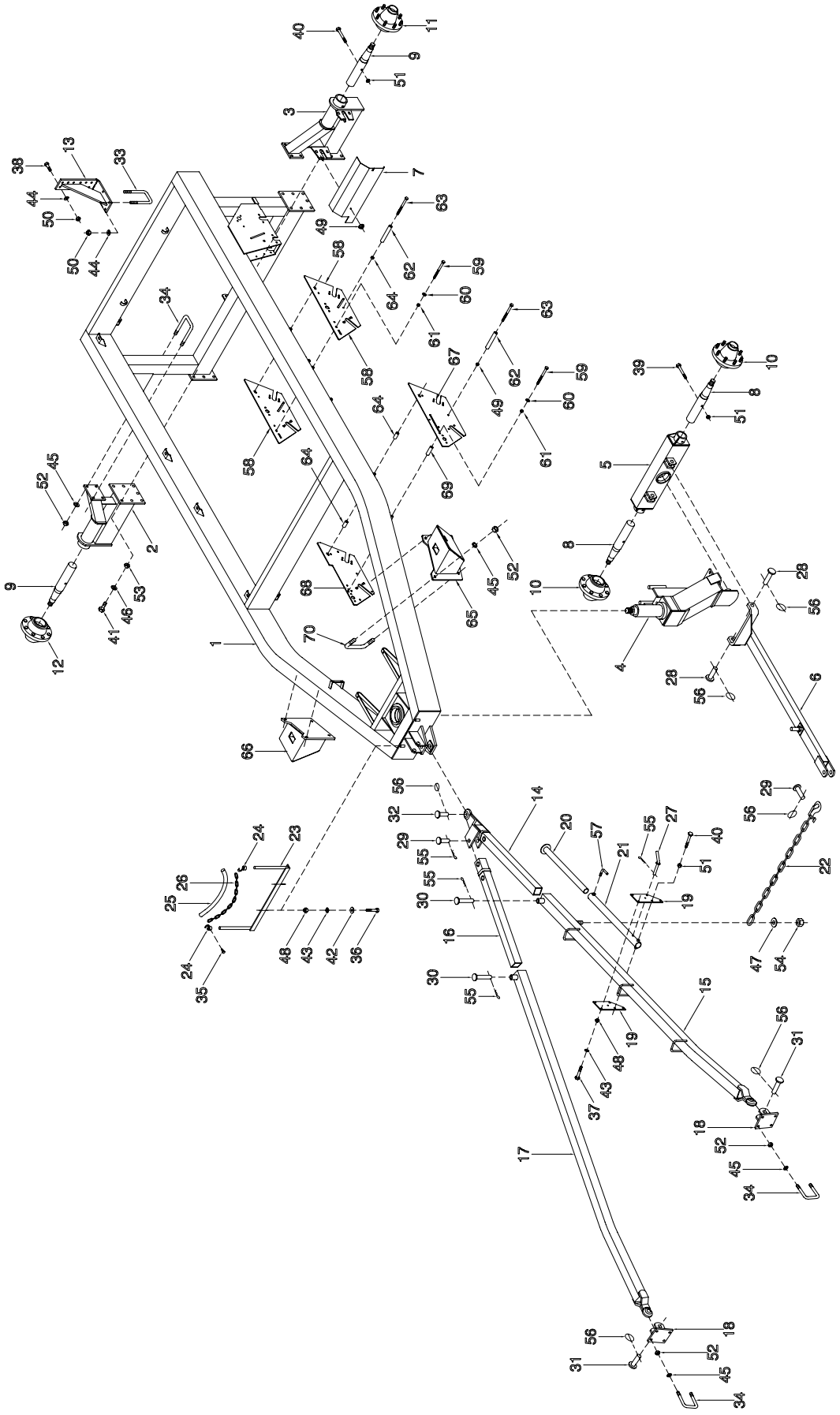
# Hopper and Frame
## 7240 / 7300 Tow Behind Frame



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27059 | Frame - Main - Tow Behind | 1 |
| 2 | N27041 | Axle Extension - Right | 1 |
| 3 | N27042 | Axle Extension - Left | 1 |
| 4 | N27065 | Castor Fork | 1 |
| 5 | N21300 | Axle Beam - Castor | 1 |
| 6 | N25475 | Tow Hitch - Transport | 1 |
| 7 | N27070 | Guard - Shaft - 22 5/8 | 1 |
| 8 | N19166 | Spindle - 2 1/2 Dia | 2 |
| 9 | N24775 | Spindle - 3 Dia | 2 |
| | N37435 | Spindle - 3 Dia - Heavy Duty | |
| 10 | * * * * * | Non-Drive Hub Assembly (See Section 3) | 2 |
| 11 | * * * * * | Drive Hub Assembly (See Section 3) | 1 |
| 12 | * * * * * | Non-Drive Hub Assembly (See Section 3) | 1 |
| 13 | N34742 | Bracket - Harrow Mount | 2 |
| 14 | N29468 | Hitch Tube - Inner Left | 1 |
| 15 | N19196 | Hitch Tube - Outer Left (Straight) | 1 |
| 16 | N19051 | Hitch Tube - Inner Right | 1 |
| 17 | N19054 | Hitch Tube - Outer Right (Straight) | 1 |
| 18 | N19203 | Bracket Mounting Lugs | 2 |
| 19 | N22797 | Plate - Mount | 4 |
| 20 | N22794 | Tube - Inner | 2 |
| 21 | N22793 | Tube - Outer | 2 |
| 22 | C18760 | Chain - Safety - 3/8 P-7 AG | 1 |
| 23 | N27465 | Bracket - Primary Hose - 26 | 1 |
| 24 | N19717 | Hook - Chain | 2 |
| 25 | R480034 | Hose - 1.169 OD (Bulk/ft) | 1.5 ft |
| 26 | N19448 | Chain - 3/16 x 80 Links | 1 |
| 27 | D-5140 | Pin - Cable Lock - 5/8 Dia | 2 |
| 28 | W-558 | Pin - 1 Dia x 2 1/4 UL | 2 |
| 29 | W-1628 | Pin - 1 Dia x 3 3/4 UL | 2 |
| 30 | N19055 | Pin - 1 Dia x 5 13/32 UL | 2 |
| 31 | N16226 | Pin - Hitch - 1 1/8 Dia x 3 1/16 UL | 2 |
| 32 | N19368 | Pin - 1 1/4 Dia x 4 UL | 1 |
| 33 | C-3932 | U-Bolt - 1/2 x 4 x 7 1/4 | 4 |
| 34 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 | 8 |
| 35 | C-4651 | Setscrew - 1/4 x 1 Lg Square Head | 2 |
| 36 | W-480 | Hex Bolt - 3/8 x 2 1/2 Lg | 2 |
| 37 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 6 |
| 38 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 8 |
| 39 | W-494 | Hex Bolt - 1/2 x 3 3/4 Lg | 2 |
| 40 | S-951 | Hex Bolt - 1/2 x 4 1/2 Lg | 6 |
| 41 | C-695 | Hex Bolt - 3/4 x 2 Lg | 14 |
| 42 | D-5489 | Flatwasher - 3/8 | 2 |
| 43 | W-523 | Lockwasher - 3/8 | 8 |
| 44 | W-525 | Lockwasher - 1/2 | 16 |
| 45 | W-526 | Lockwasher - 5/8 | 16 |
| 46 | W-527 | Lockwasher - 3/4 | 14 |
| 47 | N19065 | Flatwasher - 1 1/6 | 1 |
| 48 | W-514 | Hex Nut - 3/8 | 8 |
| 49 | D-5279 | Locknut - 3/8 Serrated | 4 |
| 50 | W-516 | Hex Nut - 1/2 | 16 |
| 51 | F-3405 | Locknut - 1/2 Unitorque | 8 |
| 52 | W-517 | Hex Nut - 5/8 | 16 |
| 53 | W-518 | Hex Nut - 3/4 | 14 |
| 54 | D-5274 | Locknut - 1 Unitorque | 1 |
| 55 | BW-11 | Hair Pin - #8 - 3/16 x 3 3/4 Lg | 5 |
| 56 | N19307 | Klik Pin - 1/4 Dia x 1 3/4 Lg | 6 |
| 57 | D10553 | Handle | 2 |
| 58 | N27021 | Transmission Plate | 2 |
| 59 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 2 |
| 60 | S-1925 | Flatwasher - 0.531 ID x 1.062 OD x 13 Ga | 2 |
| 61 | D14565 | Locknut - 1/2 - Serrated | 2 |
| 62 | N31535 | Spacer - 5/8 OD x .385 ID x 4 Lg | 2 |
| 63 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 2 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |
| | S29378 | Decal - “Danger” (Not Shown) | 1 |
| | N22800 | Hitch Stand Kit (Order Through Wholegoods) (Includes Items #19, 20, 21, 27, 37, 40, 43, 48, 51, 55 & 57) | |
| | N20772 | Harrow Mounting Bracket Kit (Order Through Wholegoods) (Includes Items #13, 33, 38, 44 & 50) | |

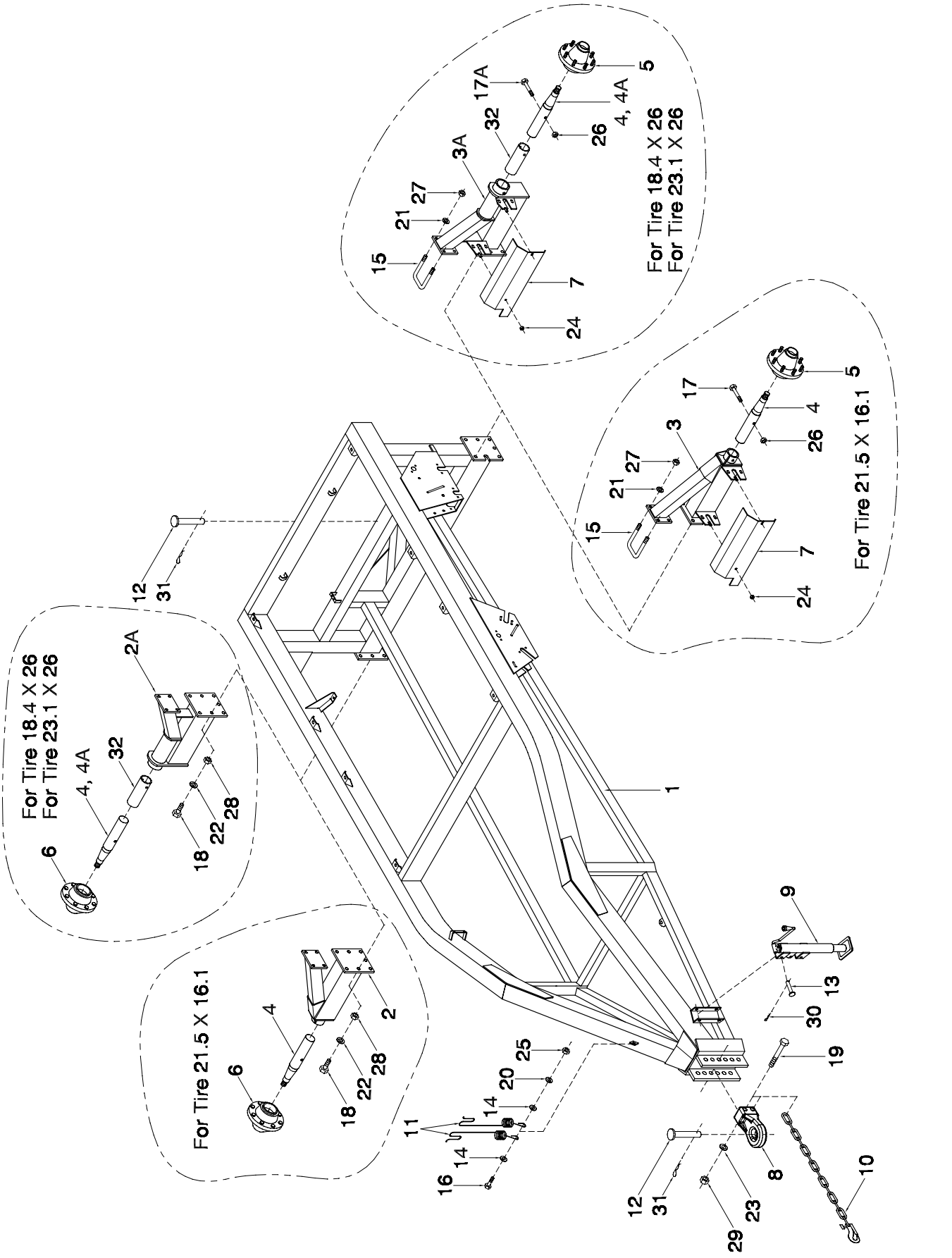
# Hopper and Frame
## 7252 Tow Behind Frame



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27059 | Frame - Main - Tow Behind | 1 |
| 2 | N27041 | Axle Extension - Right | 1 |
| 3 | N27042 | Axle Extension - Left | 1 |
| 4 | N27065 | Castor Fork | 1 |
| 5 | N21300 | Axle Beam - Castor | 1 |
| 6 | N25475 | Tow Hitch - Transport | 1 |
| 7 | N27070 | Guard - Shaft - 22 5/8 | 1 |
| 8 | N19166 | Spindle - 2 1/2 Dia | 2 |
| 9 | N24775 | Spindle - 3 Dia | 2 |
| | N37435 | Spindle - 3 Dia - Heavy Duty | |
| 10 | | Non-Drive Hub Assembly (See Section 3) | 2 |
| 11 | | Drive Hub Assembly (See Section 3) | 1 |
| 12 | | Non-Drive Hub Assembly (See Section 3) | 1 |
| 13 | N34742 | Bracket - Harrow Mount | 2 |
| 14 | N29468 | Hitch Tube - Inner Left | 1 |
| 15 | N19196 | Hitch Tube - Outer Left (Straight) | 1 |
| 16 | N19051 | Hitch Tube - Inner Right | 1 |
| 17 | N19054 | Hitch Tube - Outer Right (Straight) | 1 |
| 18 | N19203 | Bracket Mounting Lugs | 2 |
| 19 | N22797 | Plate - Mount | 4 |
| 20 | N22794 | Tube - Inner | 2 |
| 21 | N22793 | Tube - Outer | 2 |
| 22 | C18760 | Chain - Safety - 3/8 P-7 AG | 1 |
| 23 | N27465 | Bracket - Primary Hose - 26 | 1 |
| 24 | N19717 | Hook - Chain | 2 |
| 25 | R480034 | Hose - 1169 OD (Bulk/ft) | 1.5 ft |
| 26 | N19448 | Chain - 3/16 x 80 Links | 1 |
| 27 | D-5140 | Pin - Cable Lock - 5/8 Dia | 2 |
| 28 | W-558 | Pin - 1 Dia x 2 1/4 UL | 2 |
| 29 | W-1628 | Pin - 1 Dia x 3 3/4 UL | 2 |
| 30 | N19055 | Pin - 1 Dia x 5 13/32 UL | 2 |
| 31 | N16226 | Pin - Hitch - 1 1/8 Dia x 3 1/16 UL | 2 |
| 32 | N19368 | Pin - 1 1/4 Dia x 4 UL | 1 |
| 33 | C-3932 | U-Bolt - 1/2 x 4 x 7 1/4 | 4 |
| 34 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 | 8 |
| 35 | C-4651 | Setscrew - 1/4 x 1 Lg Square Head | 2 |
| 36 | W-480 | Hex Bolt - 3/8 x 2 1/2 Lg | 2 |
| 37 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 6 |
| 38 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 8 |
| 39 | W-494 | Hex Bolt - 1/2 x 3 3/4 Lg | 2 |
| 40 | S-951 | Hex Bolt - 1/2 x 4 1/2 Lg | 6 |
| 41 | C-695 | Hex Bolt - 3/4 x 2 Lg | 14 |
| 42 | D-5489 | Flatwasher - 3/8 | 2 |
| 43 | W-523 | Lockwasher - 3/8 | 8 |
| 44 | W-525 | Lockwasher - 1/2 | 16 |
| 45 | W-526 | Lockwasher - 5/8 | 24 |
| 46 | W-527 | Lockwasher - 3/4 | 14 |
| 47 | N19065 | Flatwasher - 1 1/6 | 1 |
| 48 | W-514 | Hex Nut - 3/8 | 8 |
| 49 | D-5279 | Locknut - 3/8 Serrated | 4 |
| 50 | W-516 | Hex Nut - 1/2 | 16 |
| 51 | F-3405 | Locknut - 1/2 Unitorque | 8 |
| 52 | W-517 | Hex Nut - 5/8 | 24 |
| 53 | W-518 | Hex Nut - 3/4 | 14 |
| 54 | D-5274 | Locknut - 1 Unitorque | 1 |
| 55 | BW-11 | Hairpin - #8 - 3/16 x 3 3/4 Lg | 5 |
| 56 | N19307 | Klik Pin - 1/4 Dia x 1 3/4 Lg | 6 |
| 57 | D10553 | Handle | 2 |
| 58 | N27021 | Transmission Plate | 2 |
| 59 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 4 |
| 60 | S-1925 | Flatwasher - 0.531 ID x 1.062 OD x 13 Ga | 4 |
| 61 | D14565 | Locknut - 1/2 - Serrated | 4 |
| 62 | N31535 | Spacer - 5/8 OD x 0.385 ID x 4 Lg | 2 |
| 63 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 2 |
| 64 | N31695 | Spacer - 3/4 OD x 0.532 ID x 1 Lg | 2 |
| 65 | N31525 | Tank Mount - Left | 1 |
| 66 | N31530 | Tank Mount - Right | 1 |
| 67 | N31532 | Transmission Plate - Left | 1 |
| 68 | N31533 | Transmission Plate - Right | 1 |
| 69 | N19058 | Bushing - 1 OD x 1/2 ID x 2 Lg | 1 |
| 70 | N31527 | U-Bolt - 5/8 x 8 1/8 x 5 9/16 | 4 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |
| | S29378 | Decal - “Danger” (Not Shown) | 1 |
| | N22800 | Hitch Stand Kit (Order Through Wholegoods) (Includes Items #19, 20, 21, 27, 37, 40, 43, 48, 51, 55 & 57) | |
| | N20772 | Harrow Mounting Bracket Kit (Order Through Wholegoods) (Includes Items #13, 33, 38, 44 & 50) | |

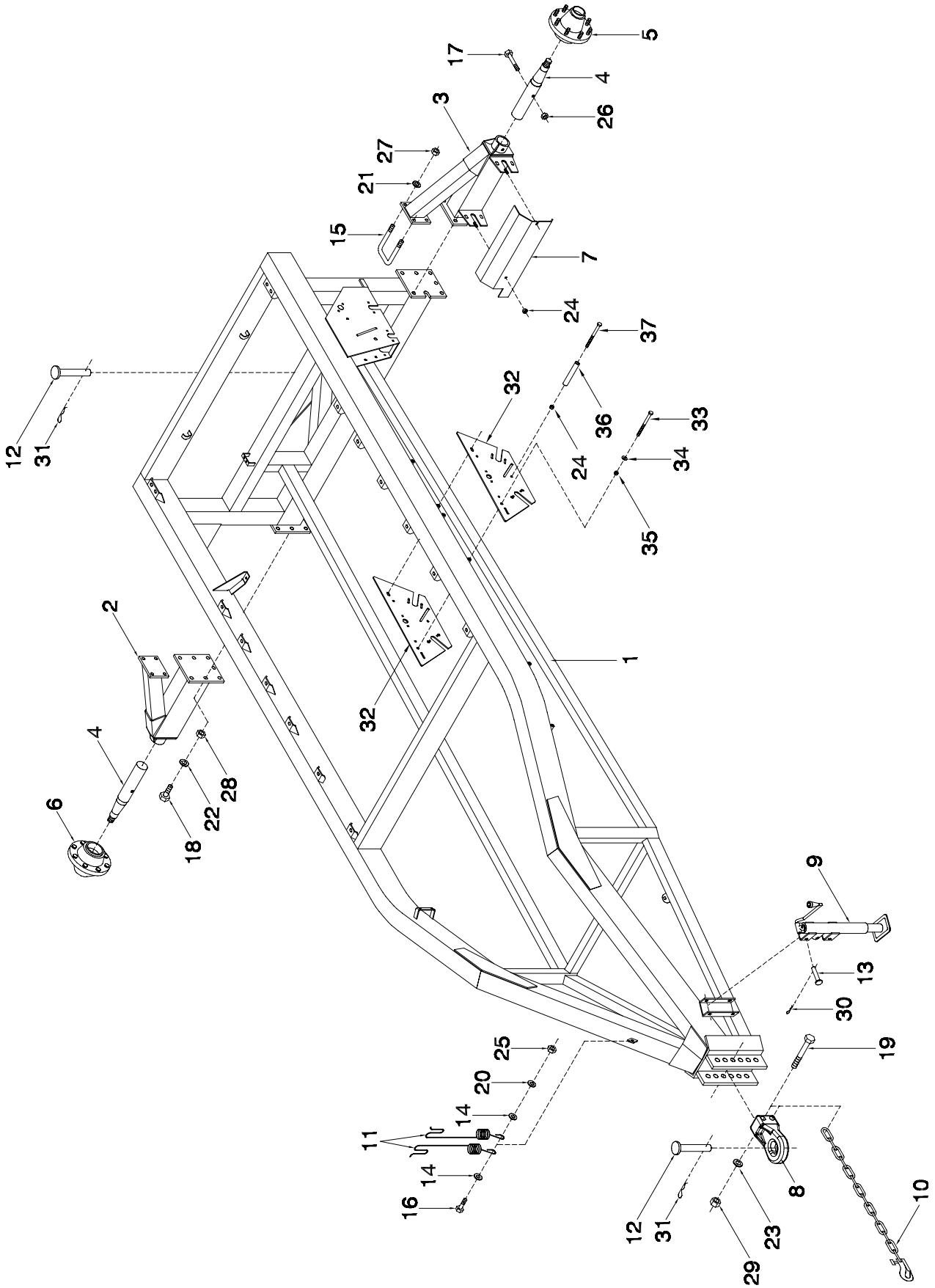
# Hopper and Frame
## 7180 Tow Between Frame



## Hopper and Frame - 7180 Tow Between Frame

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27020 | Frame - Tow Between (Standard) | 1 |
| | N28370 | Frame - Tow Between (Three Point Hitch) 7180 Only | 1 |
| 2 | N27001 | Axle Extension - Right (For Tire 21.5 x 16.1 Only) | 1 |
| 2A | N27041 | Axle Extension - Right (For Tire 18.4 x 26 and 23.1 x 26) | 1 |
| 3 | N27002 | Axle Extension - Left (For Tire 21.5 x 16.1 Only) | 1 |
| 3A | N27042 | Axle Extension - Left (For Tire 18.4 x 26 and 23.1 x 26) | 1 |
| 4 | N19166 | Spindle - 2 1/2 Dia | 2 |
| 4A | N24775 | Spindle - 3 Dia (For Tire 23.1 x 26 Only) | 2 |
| | N37435 | Spindle - 3 Dia - Heavy Duty | |
| 5 | | Drive Hub Assembly (See Section 3) | 1 |
| 6 | | Non-Drive Hub Assembly (See Section 3) | 1 |
| 7 | N27070 | Jackshaft Guard | 1 |
| 8 | N33748 | Clevis - Cast (After Serial # 7280200701) | 1 |
| 8a | N33749 | Clevis - Cast/slotted hole (Serial # 7280200701 & Prior) (Replaces welded clevis N13926) | 1 |
| 9 | H27963 | Hitch Jack - Top Wind - 7,000 lb | 1 |
| 10 | C18761 | Safety Chain - 40,000 lb | 1 |
| 11 | W-7 | Hose Holder | 2 |
| 12 | N15049 | Hitch Pin - 1 1/2 x 6 1/2 UL | 1 |
| 13 | H10462 | Clevis Pin - 0.612 x 3 5/8 UL | 2 |
| 14 | C-333 | Hose Holder Washer | 2 |
| 15 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 UL | 4 |
| 16 | W-488 | Hex Bolt - 1/2 x 2 Lg | 1 |
| 17 | W-494 | Hex Bolt - 1/2 x 3 3/4 Lg (For 2-1/2 Dia. Spindle) | 2 |
| 17A | S-951 | Hex Blot - 1/2 x 4 1/2 Lg (For 3 Dia Spindle) | 2 |
| 18 | C-695 | Hex Bolt - 3/4 x 2 Lg | 13 |
| 19 | C18597 | Hex Bolt - 1 x 8 Lg | 3 |
| 20 | W-525 | Lockwasher - 1/2 | 1 |
| 21 | W-526 | Lockwasher - 5/8 | 8 |
| 22 | W-527 | Lockwasher - 3/4 | 13 |
| 23 | C-705 | Lockwasher - 1 | 3 |
| 24 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 25 | W-516 | Hex Nut - 1/2 | 1 |
| 26 | F-3405 | Unitorque Locknut - 1/2 | 2 |
| 27 | W-517 | Hex Nut - 5/8 | 8 |
| 28 | W-518 | Hex Nut - 3/4 | 13 |
| 29 | W-520 | Hex Nut - 1 | 3 |
| 30 | W-131 | Hair Pin - #9 - 0.148 x 3 5/16 | 2 |
| 31 | P1318510 | Hair Pin - #19 - 1/4 x 4 3/8 | 1 |
| 32 | N28930 | Spacer - 2 1/2 Spindle (For Tire 18.4 x 26 Only) | 2 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |

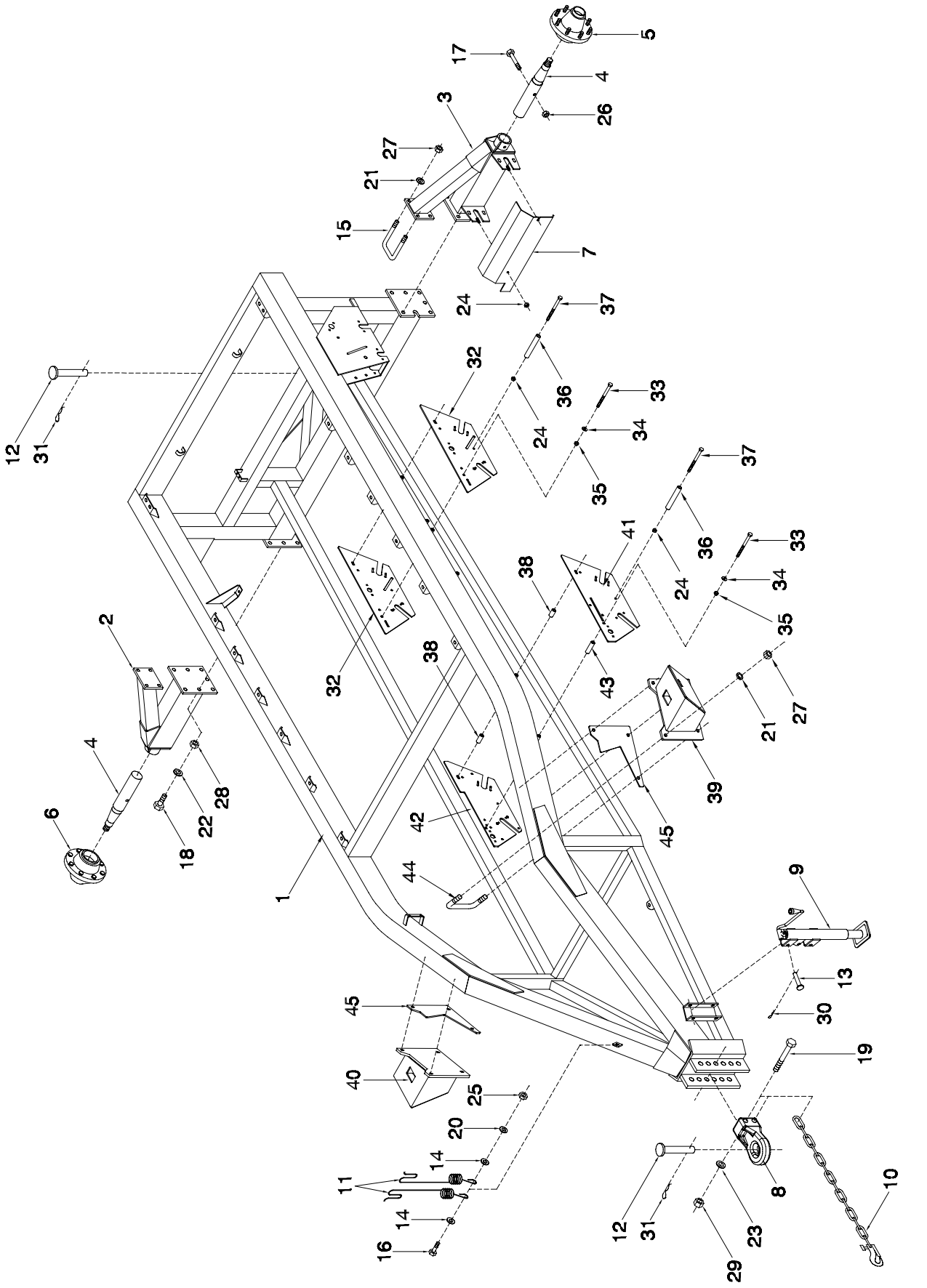
# Hopper and Frame
## 7240 / 7300 Tow Between Frame



## Hopper and Frame - 7240 / 7300 Tow Between Frame

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27060 | Frame - Tow Between (Standard) | 1 |
| | N28375 | Frame - Tow Between (Three Point Hitch) 7240 Only | 1 |
| 2 | N27041 | Axle Extension - Right | 1 |
| 3 | N27042 | Axle Extension - Left | 1 |
| 4 | N24775 | Spindle - 3 Dia | 2 |
| | N37435 | Spindle - 3 Dia - Heavy Duty | |
| 5 | | Drive Hub Assembly (See Section 3) | 1 |
| 6 | | Non-Drive Hub Assembly (See Section 3) | 1 |
| 7 | N27070 | Jackshaft Guard | 1 |
| 8 | N33748 | Clevis - Cast (After Serial # 7230202338 for 7240) | 1 |
| | | (After Serial # 7330203126 for 7300) | |
| 8a | N33749 | Clevis - Cast/slotted hole (Serial # 7230202338 & Prior for 7240) | 1 |
| | | (Serial # 7330203126 & Prior for 7300) | |
| | | (Replaces welded clevis N13926) | |
| 9 | H27963 | Hitch Jack - Top Wind - 7,000 lb | 1 |
| 10 | C18761 | Safety Chain - 40,000 lb | 1 |
| 11 | W-7 | Hose Holder | 2 |
| 12 | N15049 | Hitch Pin - 1 1/2 x 6 1/2 UL | 2 |
| 13 | H10462 | Clevis Pin - 0.612 x 3 5/8 UL | 2 |
| 14 | C-333 | Hose Holder Washer | 2 |
| 15 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 UL | 4 |
| 16 | W-488 | Hex Bolt - 1/2 x 2 Lg | 1 |
| 17 | S-951 | Hex Bolt - 1/2 x 4 1/2 Lg | 2 |
| 18 | C-695 | Hex Bolt - 3/4 x 2 Lg | 14 |
| 19 | C18597 | Hex Bolt - 1 x 8 Lg | 3 |
| 20 | W-525 | Lockwasher - 1/2 | 1 |
| 21 | W-526 | Lockwasher - 5/8 | 8 |
| 22 | W-527 | Lockwasher - 3/4 | 14 |
| 23 | C-705 | Lockwasher - 1 | 3 |
| 24 | D-5279 | Serrated Locknut - 3/8 | 3 |
| 25 | W-516 | Hex Nut - 1/2 | 1 |
| 26 | F-3405 | Unitorque Locknut - 1/2 | 2 |
| 27 | W-517 | Hex Nut - 5/8 | 8 |
| 28 | W-518 | Hex Nut - 3/4 | 14 |
| 29 | W-520 | Hex Nut - 1 | 3 |
| 30 | W-131 | Hair Pin - #9 - 0.148 x 3 5/16 | 2 |
| 31 | P1318510 | Hair Pin - #19 - 1/4 x 4 3/8 | 2 |
| 32 | N27021 | Transmission Plate | 2 |
| 33 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 2 |
| 34 | S-1925 | Flatwasher - 0.531 ID x 1.062 OD x 13 Ga | 2 |
| 35 | D14565 | Locknut - 1/2 - Serrated | 2 |
| 36 | N31535 | Spacer - 5/8 OD x 0.385 ID x 4 Lg | 1 |
| 37 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 1 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |

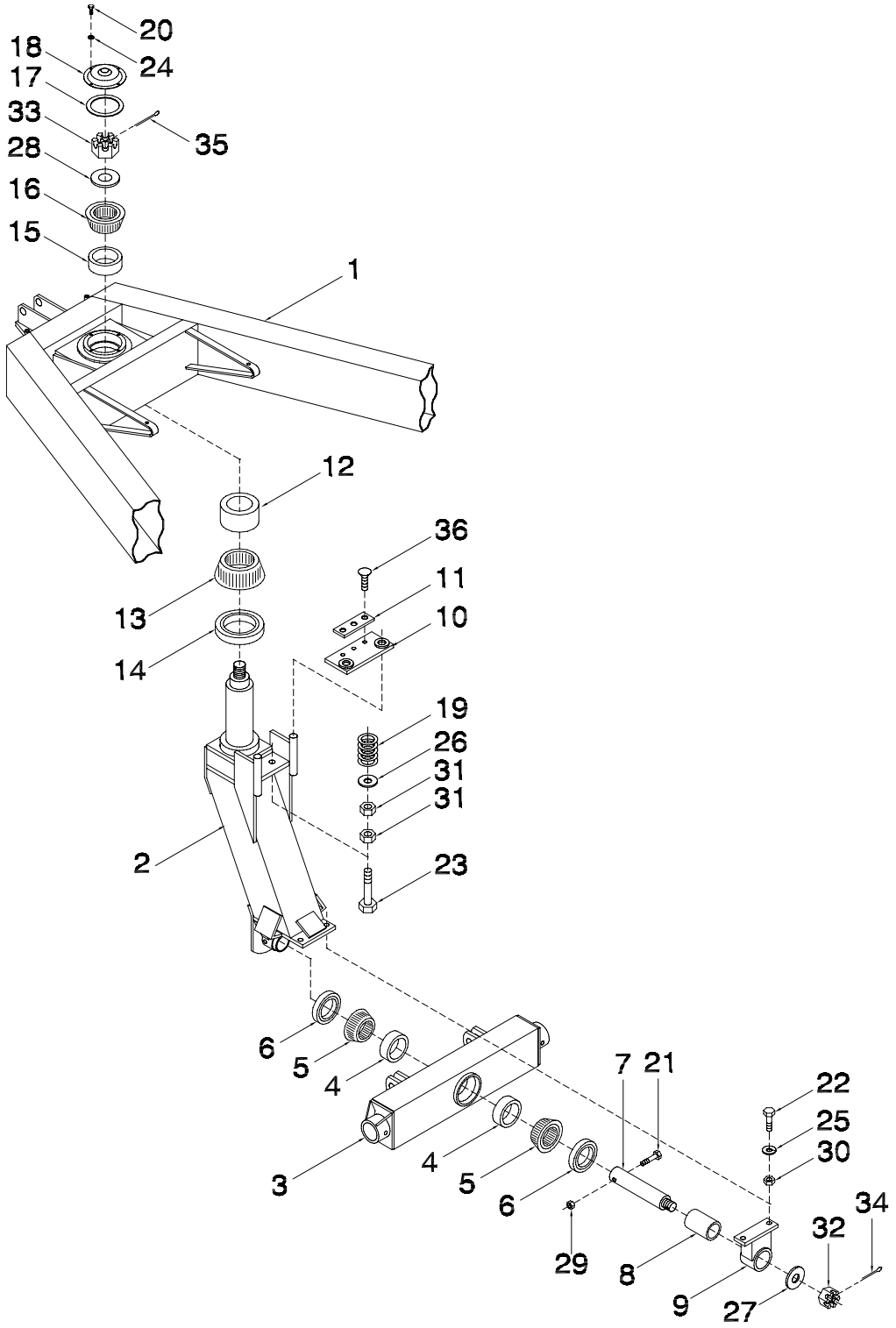
# Hopper and Frame
## 7252 Tow Between Frame



## Hopper and Frame - 7252 Tow Between Frame

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27060 | Frame - Tow Between | 1 |
| 2 | N27041 | Axle Extension - Right | 1 |
| 3 | N27042 | Axle Extension - Left | 1 |
| 4 | N24775 | Spindle - 3 Dia | 2 |
| | N37435 | Spindle - 3 Dia - Heavy Duty | |
| 5 | | Drive Hub Assembly (See Section 3) | 1 |
| 6 | | Non-Drive Hub Assembly (See Section 3) | 1 |
| 7 | N27070 | Jackshaft Guard | 1 |
| 8 | N33748 | Clevis - Cast (After Serial # 7530101126) | 1 |
| 8a | N33749 | Clevis - Cast/slotted hole (Serial # 7530101126 & Prior) (Replaces welded clevis N13926) | 1 |
| 9 | H27963 | Hitch Jack - Top Wind - 7,000 lb | 1 |
| 10 | C18761 | Safety Chain - 40,000 lb | 1 |
| 11 | W-7 | Hose Holder | 2 |
| 12 | N15049 | Hitch Pin - 1 1/2 x 6 1/2 UL | 2 |
| 13 | H10462 | Clevis Pin - 0.612 x 3 5/8 UL | 2 |
| 14 | C-333 | Hose Holder Washer | 2 |
| 15 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 UL | 4 |
| 16 | W-488 | Hex Bolt - 1/2 x 2 Lg | 1 |
| 17 | S-951 | Hex Bolt - 1/2 x 4 1/2 Lg | 2 |
| 18 | C-695 | Hex Bolt - 3/4 x 2 Lg | 14 |
| 19 | C18597 | Hex Bolt - 1 x 8 Lg | 3 |
| 20 | W-525 | Lockwasher - 1/2 | 1 |
| 21 | W-526 | Lockwasher - 5/8 | 8 |
| 22 | W-527 | Lockwasher - 3/4 | 14 |
| 23 | C-705 | Lockwasher - 1 | 3 |
| 24 | D-5279 | Serrated Locknut - 3/8 | 4 |
| 25 | W-516 | Hex Nut - 1/2 | 1 |
| 26 | F-3405 | Unitorque Locknut - 1/2 | 2 |
| 27 | W-517 | Hex Nut - 5/8 | 16 |
| 28 | W-518 | Hex Nut - 3/4 | 14 |
| 29 | W-520 | Hex Nut - 1 | 3 |
| 30 | W-131 | Hair Pin #9 - 0.148 x 3 5/16 | 2 |
| 31 | P1318510 | Hair Pin - #19 - 1/4 x 4 3/8 | 2 |
| 32 | N27021 | Transmission Plate | 2 |
| 33 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 4 |
| 34 | S-1925 | Flatwasher - 0.531 ID x 1.062 OD x 13 Ga | 4 |
| 35 | D14565 | Locknut - 1/2 - Serrated | 4 |
| 36 | N31535 | Spacer - 5/8 OD x 0.385 ID x 4 Lg | 2 |
| 37 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 2 |
| 38 | N31695 | Spacer - 3/4 OD x 0.532 ID x 1 Lg | 2 |
| 39 | N31525 | Tank Mount - Left | 1 |
| 40 | N31530 | Tank Mount - Right | 1 |
| 41 | N31532 | Transmission Plate - Left | 1 |
| 42 | N31533 | Transmission Plate - Right | 1 |
| 43 | N19058 | Bushing - 1 OD x 1/2 ID x 2 Lg | 1 |
| 44 | N31527 | U-Bolt - 5/8 x 8 1/8 x 5 9/16 | 4 |
| 45 | N31531 | Shim Plate - 1/4 | 2 |
| | C-3902 | Decal - “MORRIS” (Not Shown) | 1 |
| | N19029 | Decal - “Crank Rotation Arrow” (Not Shown) | 1 |
| | N24301 | Decal - “Caution - Read Manual” (Not Shown) | 1 |
| | N24412 | Decal - “Important - Torque Nuts” (Not Shown) | 1 |
| | N27864 | Decal - “Slow Speed Hairpin Location” (Not Shown) | 1 |

# Hopper and Frame
## 7240 / 7252 / 7300 Castor Fork



## Hopper and Frame - 7240 / 7252 / 7300 Castor Fork

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27059 | Main Frame (Partial Front View) | 1 |
| 2 | N27065 | Castor Fork | 1 |
| 3 | N21300 | Axle Beam - Castor | 1 |
| 4 | N16028 | Bearing Cup - Inner - #3720 | 2 |
| 5 | N16030 | Bearing Cone - Inner - #3780 | 2 |
| 6 | N16032 | Dust Seal - C/R #25100 | 2 |
| 7 | N21712 | Shaft - Castor Equalizer - 2 x 10 5/8 | 1 |
| 8 | N21709 | Bushing - 2 1/2 OD x 2 ID x 3 3/8 Lg | 1 |
| 9 | N21711 | Pivot Bracket | 1 |
| 10 | N25460 | Guide - Brake Support | 1 |
| 11 | N25465 | Brake Pad - Castor | 1 |
| 12 | N21716 | Bearing Cup - Inner | 1 |
| 13 | N21717 | Bearing Cone - Inner | 1 |
| 14 | N21718 | Dust Seal - C/R #50148 | 1 |
| 15 | N13951 | Bearing Cup - Inner - #39520 | 1 |
| 16 | N13954 | Bearing Cone - Inner - #39585 | 1 |
| 17 | N13959 | Rubber Gasket - #SE-49 | 1 |
| 18 | N13957 | Dust Cap - #DC-27 | 1 |
| 19 | N19596 | Spring - 1 1/2 OD x 2 1/2 Lg - Brake | 2 |
| 20 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 4 |
| 21 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg | 1 |
| 22 | W-499 | Hex Bolt - 5/8 x 2 Lg | 2 |
| 23 | N19482 | Hex Bolt - 3/4 x 3 1/4 Lg | 2 |
| 24 | W-521 | Lockwasher - 1/4 | 4 |
| 25 | W-526 | Lockwasher - 5/8 | 2 |
| 26 | W-476 | Flatwasher - 3/4 | 2 |
| 27 | N13962 | Washer - 2 1/2 OD x 2 1/4 ID x 1/4 | 1 |
| 28 | N28789 | Washer - 3 1/2 OD x 1 17/32 ID x 7/16 | 1 |
| 29 | F-3405 | Locknut - 1/2 Unitorque | 1 |
| 30 | W-517 | Hex Nut - 5/8 | 2 |
| 31 | W-575 | Hex Jam Nut - 3/4 | 4 |
| 32 | N19484 | Slotted Nut - 1 1/4-12 UNF | 1 |
| 33 | N21728 | Slotted Nut - 1 1/2 | 1 |
| 34 | D-5239 | Cotter Pin - 1/4 x 2 1/4 Lg | 1 |
| 35 | N11575 | Cotter Pin - 1/4 x 3 Lg | 1 |
| 36 | N25463 | Capscrew - 3/8-24 UNF x 3/4 Lg | 3 |

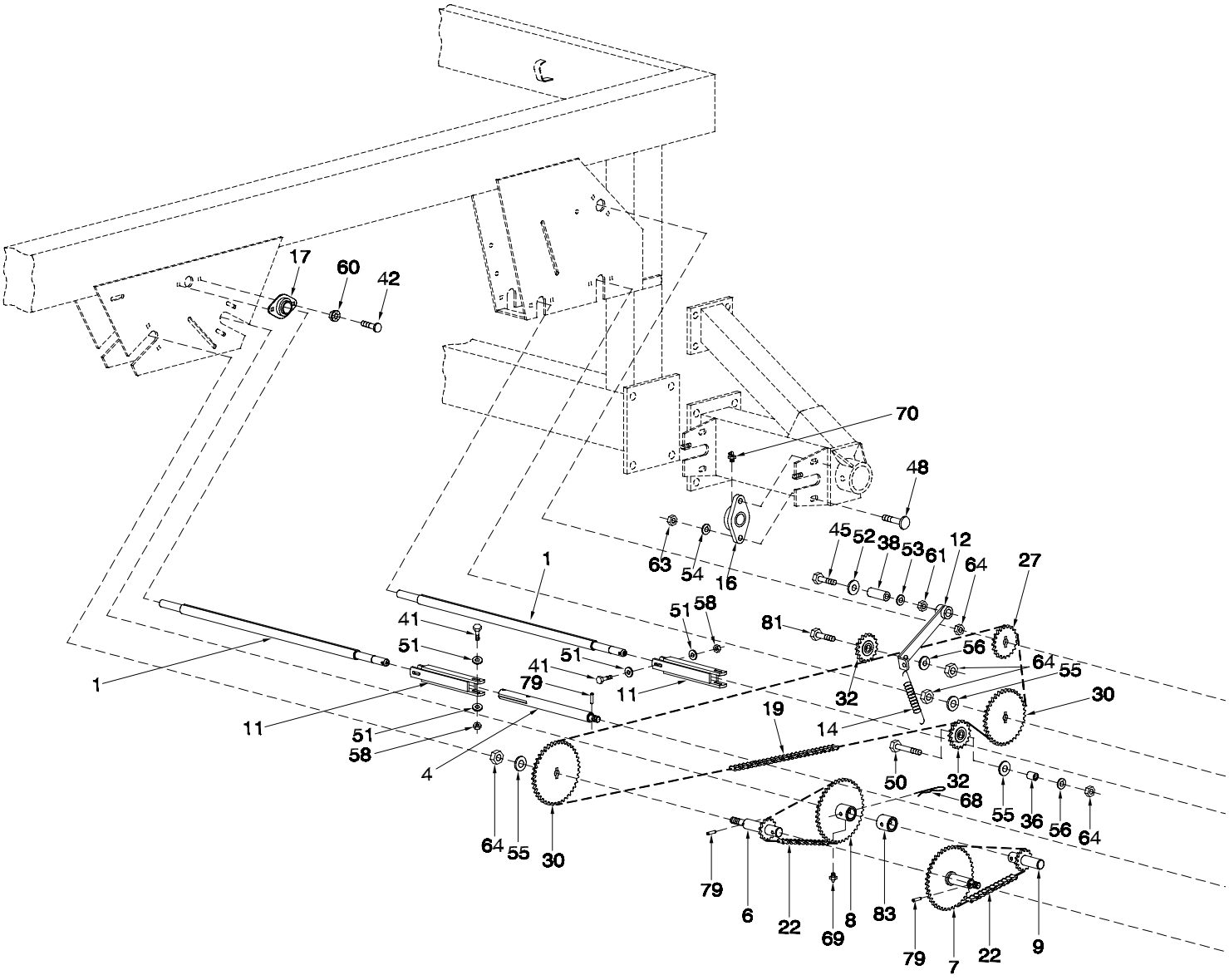
## Notes

# Section 2: Metering

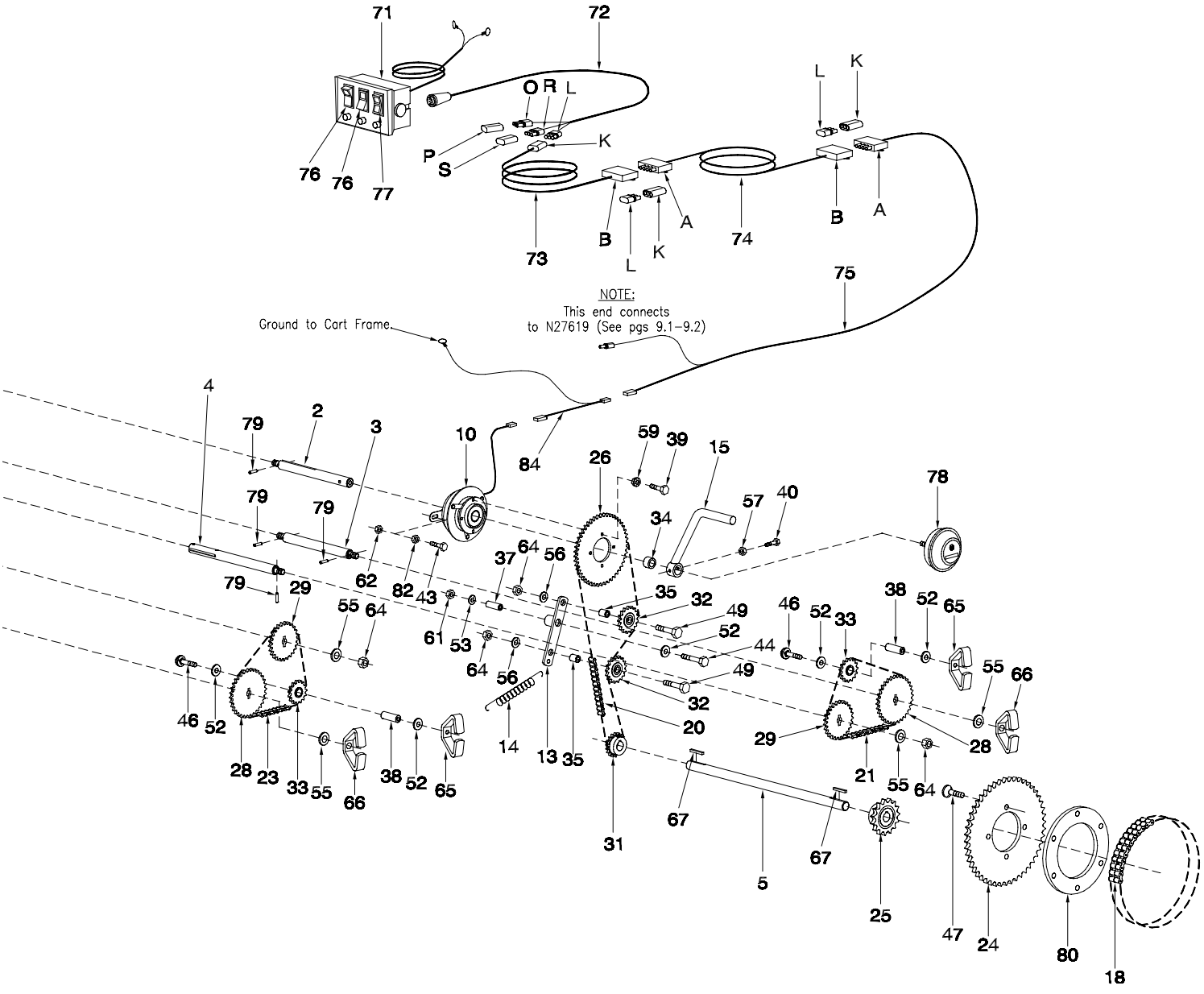
## Section Contents

Metering Drive - 7130 / 7180 / 7240 / 7300 ..... 2-2
Metering Drive - 7252 ..... 2-6
Metering Body ..... 2-10
Coated Metering Body ..... 2-11
Optional Fertilizer Banding Kit - Rear ..... 2-12
Optional Fertilizer Banding Kit - Front ..... 2-13
Optional Remote Clutch Switch - Brylite Ends ..... 2-14
Optional Remote Clutch Switch - Weather Pak Ends ..... 2-16
Remote Clutch Switch - Xpress ..... 2-18
Remote Clutch Switch - Maxim III ..... 2-19
Optional Clutch ..... 2-20

# Metering
## Metering Drive - 7130 / 7180 / 7240 / 7300



# Metering
## Metering Drive - 7130 / 7180 / 7240 / 7300



## Metering - Metering Drive - 7130 / 7180 / 7240 / 7300

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19687 | Metering Shaft - 8 Outlet | 2 |
| 2 | N27400 | Shaft - Clutch - (P-Drive) | 1 |
| 3 | N27401 | Shaft - Rate Change - (P-Drive) | 1 |
| 4 | N42166 | Shaft - Meter End | 2 |
| | N27402 | Shaft - Meter End - (P-Drive) required for auxilary clutch kit | |
| 5 | N24782 | Jackshaft - 23 3/4 Lg | 1 |
| 6 | N27403 | Shaft - Slow Speed - 13T - (P-Drive) | 1 |
| 7 | N27404 | Shaft - Slow Speed - 40T - (P-Drive) | 1 |
| 8 | N27406 | Shaft - Reducer - 40T - (P-Drive) | 1 |
| 9 | N27405 | Shaft - Reducer - 13T - (P-Drive) | 1 |
| 10 | N16862 | Electric Clutch - 12 Volt | 1 |
| 11 | N21288 | Coupler - Metering - 7 15/16 Lg | 2 |
| 12 | N19261 | Arm - Idler | 1 |
| 13 | N19288 | Arm - Idler | 1 |
| 14 | W-1663 | Spring - 23/32 OD x 7 9/16 Lg | 2 |
| 15 | N27600 | Crank - Calibration (Zinc Plated) | 1 |
| 16 | N19224 | Bearing - 2 Bolt Flushmount | 2 |
| 17 | N27411 | Flangette Bearing - 1 Bore - (SP) | 12 |
| 18 | N19220 | Chain - #60 x 48 Link w/Connector - Double Strand | 1 |
| | N19221 | Chain Connector - #60 - Double Strand (Not Shown) | 1 |
| 19 | N27628 | Chain - #40 x 311 Link w/Connector & Offset Link 7130 | 1 |
| | N27627 | Chain - #40 x 307 Link w/Connector & Offset Link 7180 - 21.5 x 16.1 Tires | 1 |
| | N28296 | Chain - #40 x 301 Link w/Connector & Offset Link 7180 - 18.4 x 26 Tires | 1 |
| | N27629 | Chain - #40 x 347 Link w/Connector & Offset Link 7240 / 7300 | 1 |
| 20 | N27626 | Chain - #40 x 134 Link w/Connector 7130 / 7180 | 1 |
| | N27630 | Chain - #40 x 115 Link w/Connector & Offset Link 7240 / 7252 / 7300 | 1 |
| 21 | N16903 | Chain - #40 x 70 Link w/Connector | 1 |
| 22 | N16113 | Chain - #40 x 69 Link w/Connector & Offset Link | 2 |
| 23 | N19258 | Chain - #40 x 64 Link w/Connector | 1 |
| | | S10954 - Connector #40 Chain S10955 - Offset Connector #40 Chain (Not Shown) | |
| 24 | N19219 | Sprocket - 60A48 - 4 3/8 Dia Bore 7130 / 7180 | 1 |
| | N24774 | Sprocket - 60A48 - 6 Dia Bore 7180 Tire Option 23.1 x 26 / 7240 / 7300 | 1 |
| 25 | N19223 | Sprocket - 60B15 | 1 |
| 26 | N27410 | Sprocket - 40A48 (Clutch) | 1 |
| 27 | | See NOTE “A” on next page | |
| 28 | | See NOTE “B” on next page | |
| 29 | N27425 | Sprocket - 40A25 - (P-Drive) | 2 |
| 30 | N27440 | Sprocket - 40A40 - (P-Drive) 7130 | 2 |
| | N27435 | Sprocket - 40A35 - (P-Drive) 7180 - Tire Option 21.5 x 16.1 | 2 |
| | N27428 | Sprocket - 40A28 - (P-Drive) 7180 - Tire Option 18.4 x 26 | 2 |
| | N27426 | Sprocket - 40A26 - (P-Drive) 7180 - Tire Option 23.1 x 26 / 7240 / 7300 w/All Weather Tires | 2 |
| | N27424 | Sprocket - 40A24 - (P-Drive) 7240 / 7300 with Rice Tires | 2 |
| 31 | N19237 | Sprocket - 40B18 - (Drive) | 1 |
| 32 | D17808 | Idler Sprocket - 40A17 w/5/8 Bore | 4 |
| 33 | D-5234 | Nylon Idler - 40B15 | 2 |
| 34 | N19232 | Spacer - 23/32 Lg | 1 |
| 35 | N19577 | Bushing - 7/8 Lg | 2 |
| 36 | D-5011 | Bushing - Spacer - 1 9/16 Lg | 1 |
| 37 | N16156 | Spacer - 2 1/8 Lg | 1 |
| 38 | N19460 | Bushing - 2 1/2 Lg | 3 |
| 39 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 40 | W-1540 | Hex Bolt - 1/4 x 2 Lg | 1 |
| 41 | N22777 | Hex Bolt - 1/4 x 2 1/4 Lg - Gr8 | 4 |
| 42 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 24 |
| 43 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 1 |
| 44 | W-1854 | Hex Bolt - 3/8 x 3 Lg | 1 |
| 45 | W-481 | Hex Bolt - 3/8 x 3 1/2 Lg | 1 |
| 46 | N19283 | Carriage Bolt - 3/8 x 3 1/2 Lg | 2 |
| 47 | N19230 | Countersunk Machine Screw - 1/2-20 UNF x 1 Lg 7130 / 7180 | 4 |
| | N24780 | Countersunk Machine Screw - 1/2-20 UNF x 1 3/4 Lg 7240 / 7300 | 4 |
| 48 | H-4584 | Carriage Bolt - 1/2 x 1 1/2 Lg | 4 |
| 49 | W-502 | Hex Bolt - 5/8 x 2 3/4 Lg | 2 |
| 50 | W-503 | Hex Bolt - 5/8 x 3 1/2 Lg | 1 |
| 51 | S-1198 | Flatwasher - 1/4 | 8 |
| 52 | N19706 | Flatwasher - 3/8 | 6 |
| 53 | W-523 | Lockwasher - 3/8 | 2 |
| 54 | W-525 | Lockwasher - 1/2 | 4 |
| 55 | W-793 | Flatwasher - 5/8 | 7 |
| 56 | W-526 | Lockwasher - 5/8 | 4 |

## Metering - Metering Drive - 7130 / 7180 / 7240 / 7300

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 57 | N15757 | Locknut - 1/4 | 1 |
| 58 | N22778 | Locknut - 1/4 w/Nylon Insert | 4 |
| 59 | D-5277 | Serrated Locknut - 1/4 | 4 |
| 60 | D-5278 | Serrated Locknut - 5/16 | 24 |
| 61 | W-514 | Hex Nut - 3/8 | 2 |
| 62 | M-3388 | Unitorque Locknut - 3/8 | 1 |
| 63 | W-516 | Hex Nut - 1/2 | 4 |
| 64 | W-517 | Hex Nut - 5/8 | 9 |
| 65 | N27350 | Wing Nut - 3/8 (7000 Series) | 2 |
| 66 | N27370 | Wing Nut - 5/8 (7000 Series) | 2 |
| 67 | S10730 | Key - 1/4 x 1/4 x 1 1/4 Lg | 2 |
| 68 | P1318510 | Hair Pin - #19 - 1/4 x 4 3/8 Lg | 1 |
| 69 | S-752 | Grease Zerk - 1/4 Straight | 2 |
| 70 | F-3056 | Grease Zerk - 1/4 x 90 | 2 |
| 71 | N27011 | Clutch Switch - Main (7000 Series)(Fuse 7.5 amp - N30594) | 1 |
| 72 | N27012 | Clutch Wire - Extension - 8 ft | 1 |
| 73 | N27013 | Clutch Wire - Extension - 16 ft (Brylite) | 1 |
| | N32456 | Clutch Wire - Extension - 16 ft (Weather Pak) | 1 |
| 74 | N16893 | Wire - Clutch Extension(Brylite) Tow Behind Only | 1 |
| | N32457 | Wire - Clutch Extension(Weather Pak) Tow Behind Only | 1 |
| 75 | N27014 | Clutch Wire (Brylite) 7130 / 7180 | 1 |
| | N32466 | Clutch Wire (Weather Pak) 7130 / 7180 | 1 |
| | N27015 | Clutch Wire (Brylite) 7240 / 7252 / 7300 | 1 |
| | N32467 | Clutch Wire (Weather Pak) 7240 / 7252 / 7300 | 1 |
| 76 | N29382 | Clutch Rocker Switch - 2 Way - #83301 | 2 |
| 77 | N29383 | Granular Rocker Switch - 3 Way - #200301 | 1 |
| 78 | D-5016 | Acre Meter #750-0240 (Optional) | 1 |
| 79 | N27395 | Drive Pin - 3/16 x 1 Lg | 7 |
| 80 | N24779 | Spacer Ring - Drive Sprocket 7180 TPH / 7252 / 7240 / 7300 | 1 |
| 81 | W-498 | Hex Bolt - 5/8 x 1 3/4 Lg | 1 |
| 82 | S-748 | Jam Nut - 3/8 | 1 |
| 83 | N16853 | Bushing - 1.009 ID x 1.253 OD x 1-1/4 Lg | 1 |
| 84 | N44734 | Clutch Ground Wire | 1 |

A N21538 Brylite Connector - 4 Pin Male
B N21539 Brylite Connector - 4 Pin Female
K N28901 Weather Pak Connector - BLUE - 3 Pin Plug
L N28902 Weather Pak Connector - BLUE- 3 Pin Socket
O N28904 Weather Pak Connector - RED - 3 Pin Socket
P N29144 Seal Connector - RED - 3 Pin
R N28906 Weather Pak Connector - WHITE - 3 Pin Socket
S N28145 Seal Connector - WHITE - 3 Pin

**See Pg.8-4 for a complete list of Replacement Connectors**

**NOTE "A":** *Seeding Tool Trip Spacing Sprockets*

7.5" Spacing Use N27412
8" Spacing Use N27413
9" Spacing Use N27415
10" Spacing Use N27417
12" Spacing Use N27420

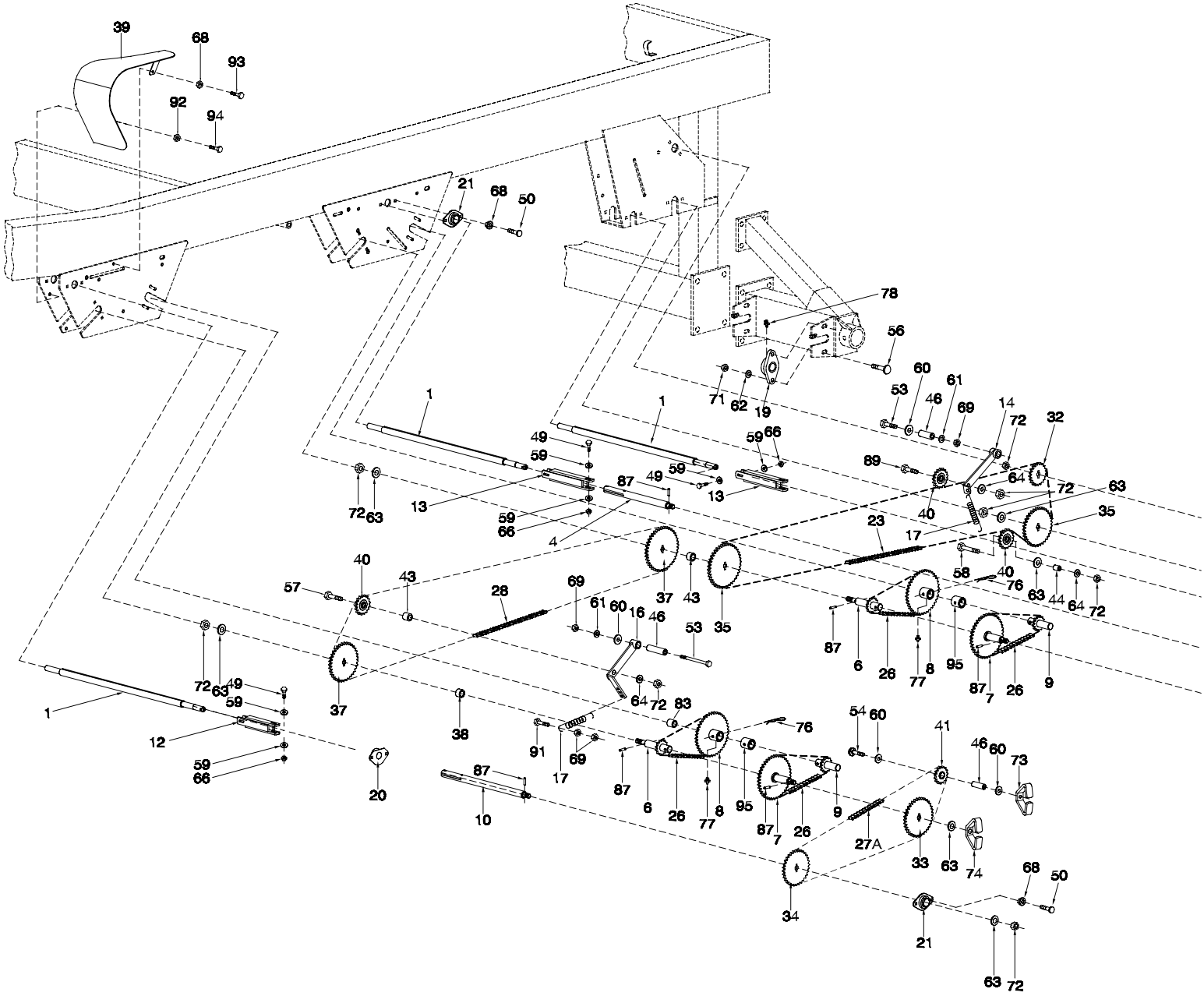
**NOTE "B":** *Metering Rate Change Sprockets*

N27412 . . . . 40A12
N27413 . . . . 40A13
N27414 . . . . 40A14
N27415 . . . . 40A15
N27416 . . . . 40A16
N27417 . . . . 40A17
N27418 . . . . 40A18
N27419 . . . . 40A19
N27420 . . . . 40A20
N27421 . . . . 40A21
N27422 . . . . 40A22
N27423 . . . .40A23
N27424 . . . . 40A24
N27425 . . . . 40A25
N27426 . . . . 40A26
N27427 . . . . 40A27
N27428 . . . . 40A28
N27429 . . . . 40A29
N27431 . . . . 40A31
N27432 . . . . 40A32
N27435 . . . . 40A35
N27438 . . . . 40A38
N27440 . . . . .40A40
N27444 . . . . .40A44
N27445 . . . . .40A45

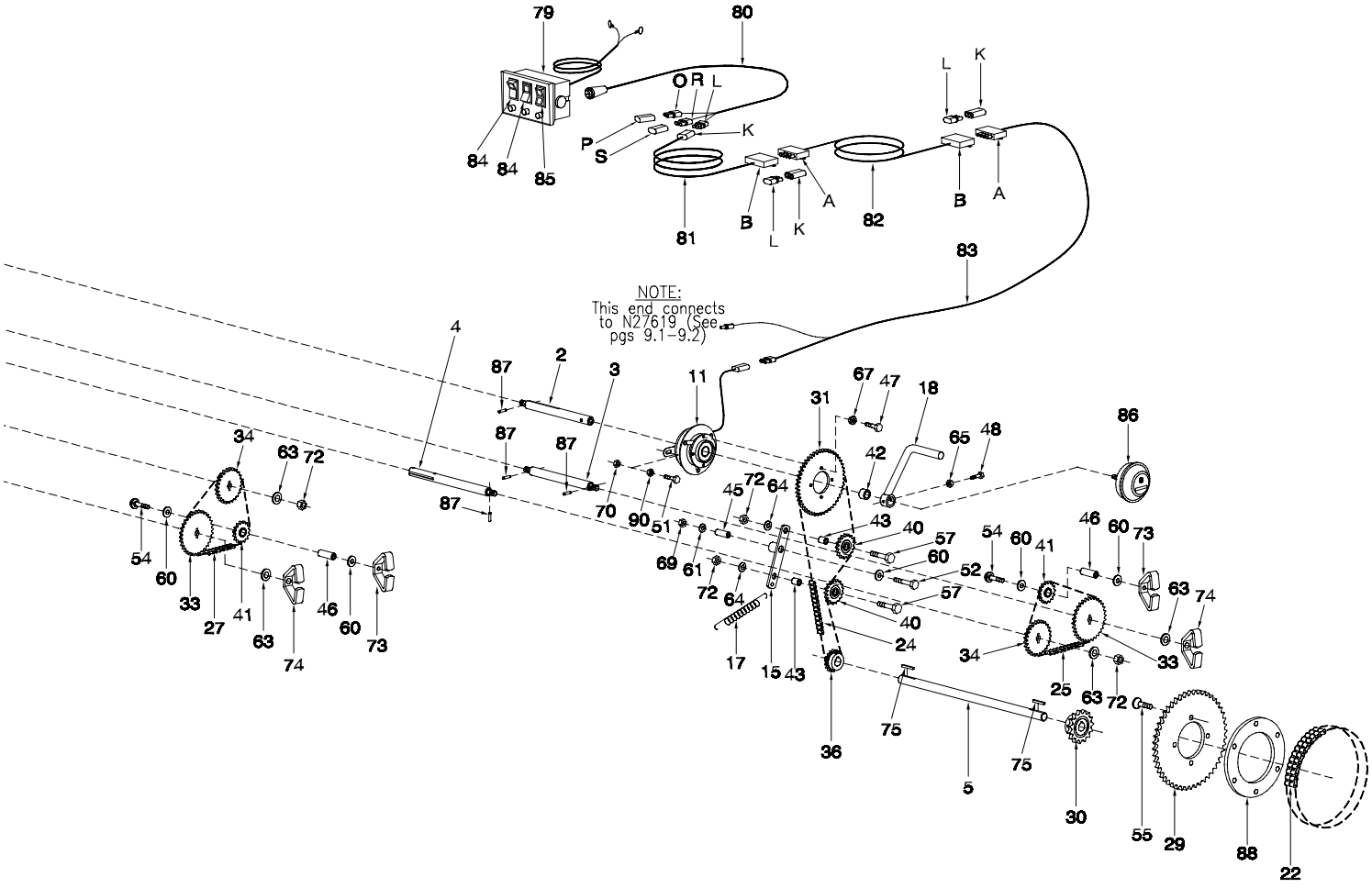
**NOTE "C":** *Optional Rate Change sprockets offered through Parts Department Only*

N27430 . . . . 40A30
N27433 . . . . 40A33
N27434 . . . . 40A34
N27436 . . . . 40A36
N27443. . . . .40A43
N27437 . . . . 40A37
N27439 . . . . 40A39
N27441 . . . . 40A41
N27442 . . . . 40A42

# Metering
## Metering Drive - 7252



# Metering
## Metering Drive - 7252



## Metering - Metering Drive - 7252

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19687 | Metering Shaft - 8 Outlet | 3 |
| 2 | N27400 | Shaft - Clutch - (P-Drive) | 1 |
| 3 | N27401 | Shaft - Rate Change - (P-Drive) | 1 |
| 4 | N27402 | Shaft - Meter End - (P-Drive) | 2 |
| 5 | N24782 | Jackshaft - 23 3/4 Lg | 1 |
| 6 | N27403 | Shaft - Slow Speed - 13T - (P-Drive) | 2 |
| 7 | N27404 | Shaft - Slow Speed - 40T - (P-Drive) | 2 |
| 8 | N27406 | Shaft - Reducer - 40T - (P-Drive) | 2 |
| 9 | N27405 | Shaft - Reducer - 13T - (P-Drive) | 2 |
| 10 | N31540 | Shaft - Meter End - (P-Drive) | 1 |
| 11 | N16862 | Electric Clutch - 12 Volt | 1 |
| 12 | N19760 | Coupler - Metering - 5 15/16 Lg | 1 |
| 13 | N21288 | Coupler - Metering - 7 15/16 Lg | 2 |
| 14 | N19261 | Arm - Idler | 1 |
| 15 | N19288 | Arm - Idler | 1 |
| 16 | N21672 | Arm - Idler | 1 |
| 17 | W-1663 | Spring - 23/32 OD x 7 9/16 Lg | 3 |
| 18 | N27600 | Crank - Calibration (Zinc Plated) | 1 |
| 19 | N19224 | Bearing - 2 Bolt Flushmount | 2 |
| 20 | N31743 | Flangette Bearing - 1" Bore - Nipped (SP) | 1 |
| 21 | N27411 | Flangette Bearing - 1" Bore - (SP) | 17 |
| 22 | N19220 | Chain - #60 x 48 Link w/Connector - Double Strand | 1 |
| 23 | N31777 | Chain - #40 x 300 Link w/Connector & Offset Link | 1 |
| 24 | N27630 | Chain - #40 x 115 Link w/Connector & Offset Link | 1 |
| 25 | N16903 | Chain - #40 x 70 Link w/Connector | 1 |
| 26 | N16113 | Chain - #40 x 69 Link w/Connector & Offset Link | 4 |
| 27 | N19258 | Chain - #40 x 64 Link w/Connector | 1 |
| 27A | N31776 | Chain - #40 x 97 Link w/Connector | 1 |
| 28 | N31509 | Chain - #40 x 238 Link w/Connector | 1 |
| | | S10954 - Connector #40 Chain S10955 - Offset Connector #40 Chain (Not Shown) | |
| 29 | N24774 | Sprocket - 60A48 - 6 Dia Bore | 1 |
| 30 | N19223 | Sprocket - 60B15 | 1 |
| 31 | N27410 | Sprocket - 40A48 (Clutch) | 1 |
| 32 | | See NOTE “A” see next page | |
| 33 | | See NOTE “B” see next page | |
| 34 | N27425 | Sprocket - 40A25 - (P-Drive) | 3 |
| 35 | N27426 | Sprocket - 40A26 - (P-Drive) with All Weather Tires | 3 |
| | N27424 | Sprocket - 40A24 - (P-Drive) with Rice Tires | 2 |
| 36 | N19237 | Sprocket - 40B18 - (Drive) | 1 |
| 37 | N27424 | Sprocket - 40B24 - (P-Drive) | 2 |
| 38 | N29200 | Spacer - 7/8 OD x 1 1/8 Lg | 1 |
| 39 | N31682 | Chain Guard - Front Tank | 1 |
| 40 | D17808 | Idler Sprocket - 40A17 w/5/8 Bore | 5 |
| 41 | D-5234 | Nylon Idler - 40B15 | 3 |
| 42 | N19232 | Spacer - 23/32 Lg | 1 |
| 43 | N19577 | Bushing - 7/8 Lg | 4 |
| 44 | D-5011 | Bushing - Spacer - 1 9/16 Lg | 3 |
| 45 | N16156 | Spacer - 2 1/8 Lg | 1 |
| 46 | N19460 | Bushing - 2 1/2 Lg | 5 |
| 47 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 48 | W-1540 | Hex Bolt - 1/4 x 2 Lg | 1 |
| 49 | N22777 | Hex Bolt - 1/4 x 2 1/4 Lg - Gr8 | 6 |
| 50 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 36 |
| 51 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 1 |
| 52 | W-1854 | Hex Bolt - 3/8 x 3 Lg | 1 |
| 53 | W-481 | Hex Bolt - 3/8 x 3 1/2 Lg | 2 |
| 54 | N19283 | Carriage Bolt - 3/8 x 3 1/2 Lg | 3 |
| 55 | N24780 | Countersunk Machine Screw - 1/2-20 UNF x 1 3/4 Lg | 4 |
| 56 | H-4584 | Carriage Bolt - 1/2 x 1 1/2 Lg | 4 |
| 57 | W-502 | Hex Bolt - 5/8 x 2 3/4 Lg | 3 |
| 58 | W-503 | Hex Bolt - 5/8 x 3 1/2 Lg | 1 |
| 59 | S-1198 | Flatwasher - 1/4 | 12 |
| 60 | N19706 | Flatwasher - 3/8 | 9 |
| 61 | W-523 | Lockwasher - 3/8 | 15 |
| 62 | W-525 | Lockwasher - 1/2 | 4 |
| 63 | W-793 | Flatwasher - 5/8 | 10 |
| 64 | W-526 | Lockwasher - 5/8 | 6 |
| 65 | N15757 | Locknut - 1/4 | 1 |

## Metering - Metering Drive - 7252

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 66 | N22778 | Locknut - 1/4 w/Nylon Insert | 6 |
| 67 | D-5277 | Serrated Locknut - 1/4 | 4 |
| 68 | D-5278 | Serrated Locknut - 5/16 | 37 |
| 69 | W-514 | Hex Nut - 3/8 | 5 |
| 70 | M-3388 | Unitorque Locknut - 3/8 | 1 |
| 71 | W-516 | Hex Nut - 1/2 | 4 |
| 72 | W-517 | Hex Nut - 5/8 | 11 |
| 73 | N27350 | Wing Nut - 3/8 (7000 Series) | 3 |
| 74 | N27370 | Wing Nut - 5/8 (7000 Series) | 3 |
| 75 | S10730 | Key - 1/4 x 1/4 x 1 1/4 Lg | 2 |
| 76 | P1318510 | Hair Pin - #19 - 1/4 x 4 3/8 Lg | 2 |
| 77 | S-752 | Grease Zerk - 1/4 Straight | 4 |
| 78 | F-3056 | Grease Zerk - 1/4 x 90 degree | 2 |
| 79 | N27011 | Clutch Switch - Main - 7000 Series (Fuse 7.5 amp - N30594) | 1 |
| 80 | N27012 | Clutch Wire - Extension - 8 ft | 1 |
| 81 | N27013 | Clutch Wire - Extension - 16 ft (Brylite) | 1 |
| | N32456 | Clutch Wire - Extension - 16 ft (Weather Pak) | 1 |
| 82 | N16893 | Wire - Clutch Extension (Brylite) Tow Behind Only | 1 |
| | N32457 | Wire - Clutch Extension (Weather Pak) Tow Behind Only | 1 |
| 83 | N27015 | Clutch Wire | 1 |
| | N32467 | Clutch Wire(Weather Pak) 7240 / 7252 / 7300 | 1 |
| 84 | N29382 | Clutch Rocker Switch - 2 Way - #83301 | 2 |
| 85 | N29383 | Granular Rocker Switch - 3 Way - #200301 | 1 |
| 86 | D-5016 | Acre Meter #750-0240 (Optional) | 1 |
| 87 | N27395 | Drive Pin - 3/16 x 1 Lg | 10 |
| 88 | N24779 | Spacer Ring - Drive Sprocket | 1 |
| 89 | W-498 | Hex Bolt - 5/8 x 1 3/4 Lg | 1 |
| 90 | S-748 | Jam Nut - 3/8 | 1 |
| 91 | W-480 | Hex Bolt - 3/8 x 2 1/2 | 1 |
| 92 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 93 | F-1767 | Hex Bolt - 5/16 x 3/4 | 1 |
| 94 | W-867 | Hex Bolt - 3/8 x 3/4 | 2 |
| 95 | N16853 | Bushing - 1.009 ID x 1.253 OD x 1-1/4 Lg | 1 |

A N21538 Brylite Connector - 4 Pin Male
B N21539 Brylite Connector - 4 Pin Female
K N28901 Weather Pak Conn - BLUE - 3 Pin Plug
L N28902 Weather Pak Conn - BLUE- 3 Pin Socket
O N28904 Weather Pak Conn - RED - 3 Pin Socket
P N29144 Seal Conn - RED - 3 Pin
R N28906 Weather Pak Conn - WHITE - 3 Pin Socket
S N28145 Seal Conn - WHITE - 3 Pin
See Pg.8-4 for a complete list of Replacement Connectors

**NOTE "A":** *Seeding Tool Trip Spacing Sprockets*
7.5"Spacing Use N27412
8" Spacing Use N27413
9" Spacing Use N27415
10" Spacing Use N27417
12" Spacing Use N27420

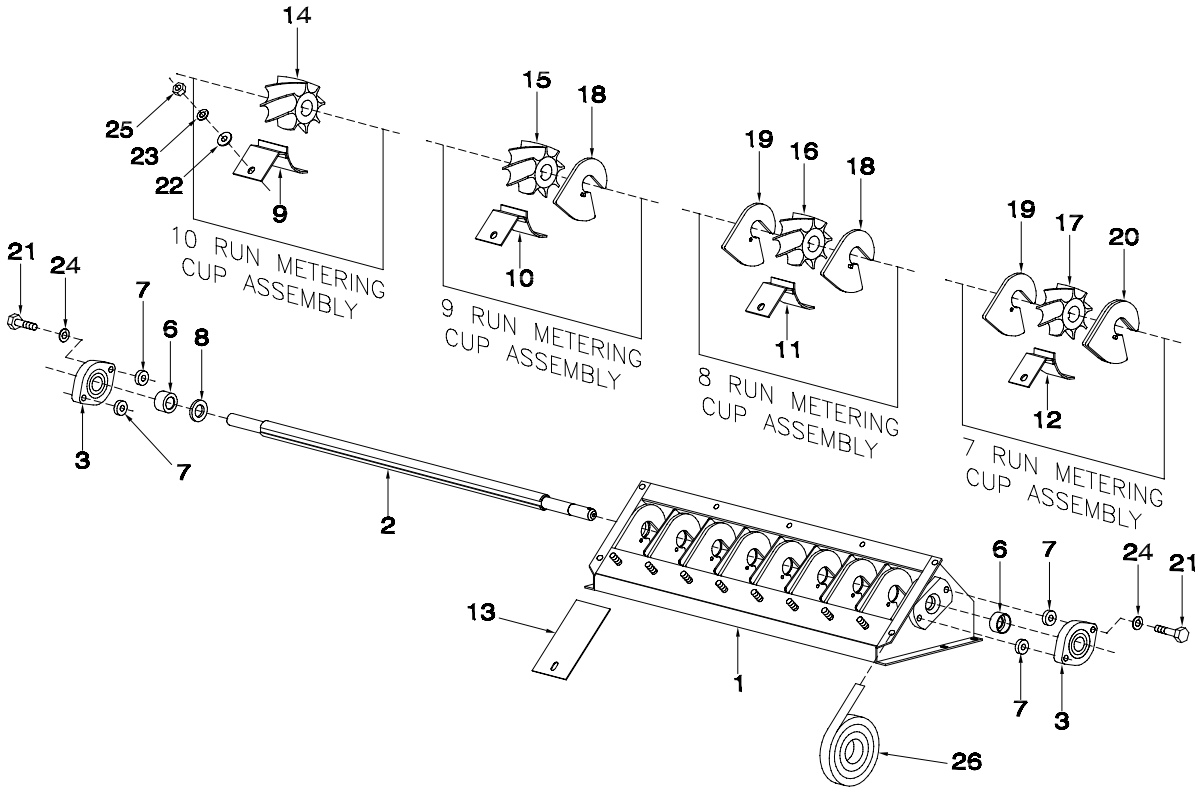
**NOTE "B":** *Metering Rate Change Sprockets*

| | |
|---|---|
| N27412 . . . . 40A12 | N27425 . . . . 40A25 |
| N27413 . . . . 40A13 | N27426 . . . . 40A26 |
| N27414 . . . . 40A14 | N27427 . . . . 40A27 |
| N27415 . . . . 40A15 | N27428 . . . . 40A28 |
| N27416 . . . . 40A16 | N27429 . . . . 40A29 |
| N27417 . . . . 40A17 | N27431 . . . . 40A31 |
| N27418 . . . . 40A18 | N27432 . . . . 40A32 |
| N27419 . . . . 40A19 | N27435 . . . . 40A35 |
| N27420 . . . . 40A20 | N27438 . . . . 40A38 |
| N27421 . . . . 40A21 | N27440 . . . . .40A40 |
| N27422 . . . . 40A22 | N27444 . . . . .40A44 |
| N27423 . . . .40A23 | N27445 . . . . .40A45 |
| N27424 . . . . 40A24 | |

**NOTE "C":** *Optional Rate Change sprockets offered through Parts Department Only*

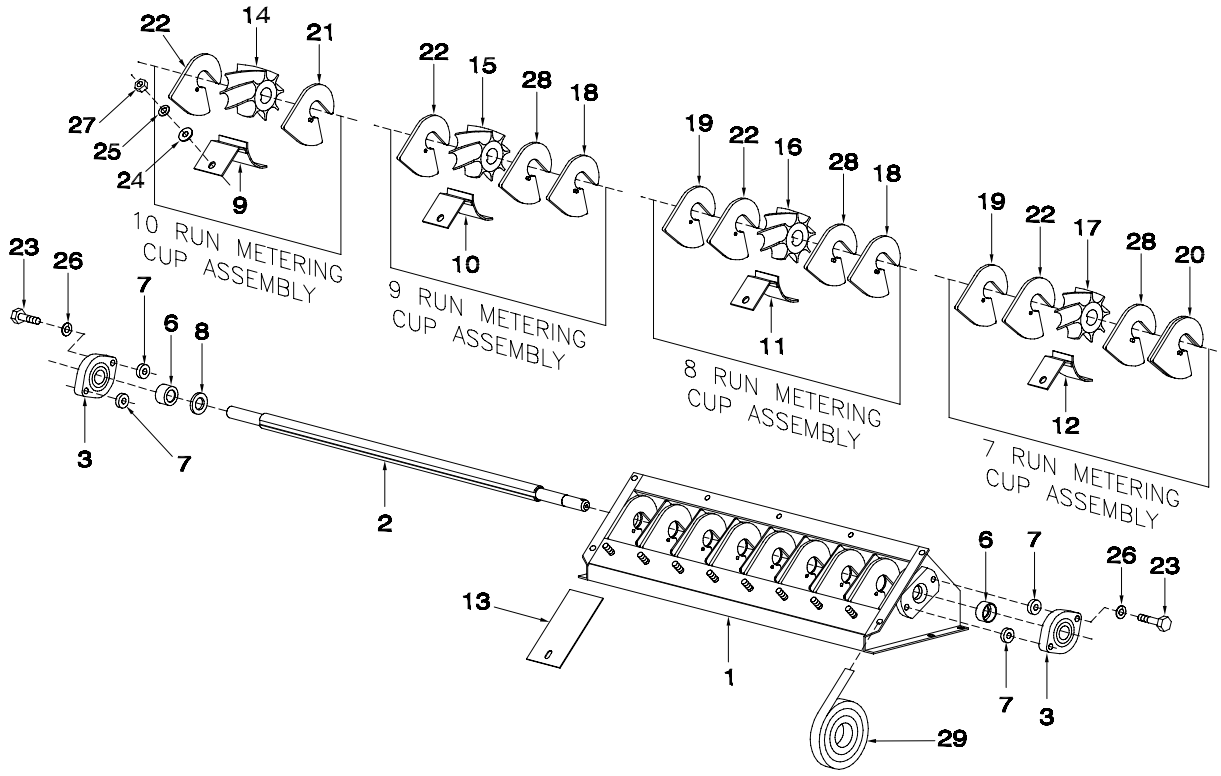
| | |
|---|---|
| N27430 . . . . 40A30 | N27437 . . . . 40A37 |
| N27433 . . . . 40A33 | N27439 . . . . 40A39 |
| N27434 . . . . 40A34 | N27441 . . . . 40A41 |
| N27436 . . . . 40A36 | N27442 . . . . 40A42 |
| N27443 . . . . .40A43 | |

# Metering
## Metering Body



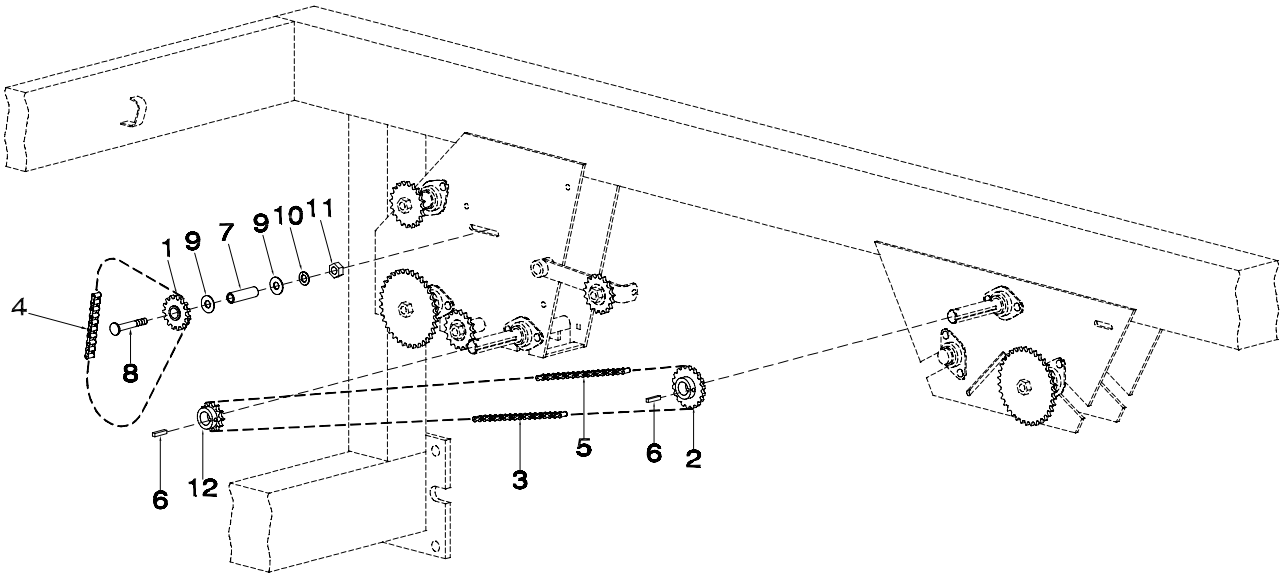

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27100 | Metering Body | 1 |
| 2 | N19687 | Metering Shaft - 8 Outlet | 1 |
| 3 | N19269 | Bearing Assembly - NTN - 2 Bolt Flange | 2 |
| 6 | N21659 | Seal | 2 |
| 7 | N21602 | Spacer | 4 |
| 8 | N21612 | Backing Washer | 1 |
| 9 | N27090 | Slider - #10 Wheel | As req |
| 10 | N27089 | Slider - #9 Wheel | As req |
| 11 | N27088 | Slider - #8 Wheel | As req |
| 12 | N27087 | Slider - #7 Wheel | As req |
| 13 | N27605 | Cover - Blank Off | As req |
| 14 | N42130 | Wheel - #10 Metering (Cream Colored) (2.50 width) | As req |
| 15 | N42129 | Wheel - #9 Metering (Cream Colored) (2.25 width) | As req |
| 16 | N42128 | Wheel - #8 Metering (Cream Colored) (2.00 width) | As req |
| 17 | N42127 | Wheel - #7 Metering (Cream Colored) (1.75 width) | As req |
| 18 | N27099 | Spacer Plate - #9 Wheel (Single - Left) | As req |
| 19 | N27098 | Spacer Plate - #8 Wheel (Single - Right) | As req |
| 20 | N27097 | Spacer Plate - #7 Wheel (Double - Left) | As req |
| | N28492 | Roll Pin - used in Spacer Plates (Not Shown) | As req |
| 21 | W-477 | Hex Bolt - 3/8 x 1 1/2 Lg | 4 |
| 22 | D-5488 | Flatwasher - 5/16 | 8 |
| 23 | W-522 | Lockwasher - 5/16 | 8 |
| 24 | W-523 | Lockwasher - 3/8 | 4 |
| 25 | N15114 | Hex Nut - 5/16 Stainless Steel | 8 |
| 26 | N15716 | Seal Strip - 1/4 x 1 x 152 Lg (Bulk/Ft) | 8 ft |
| | N28831 | Cover Plate - Shown on Hopper Assemblies | |

# Metering
## Coated Metering Body



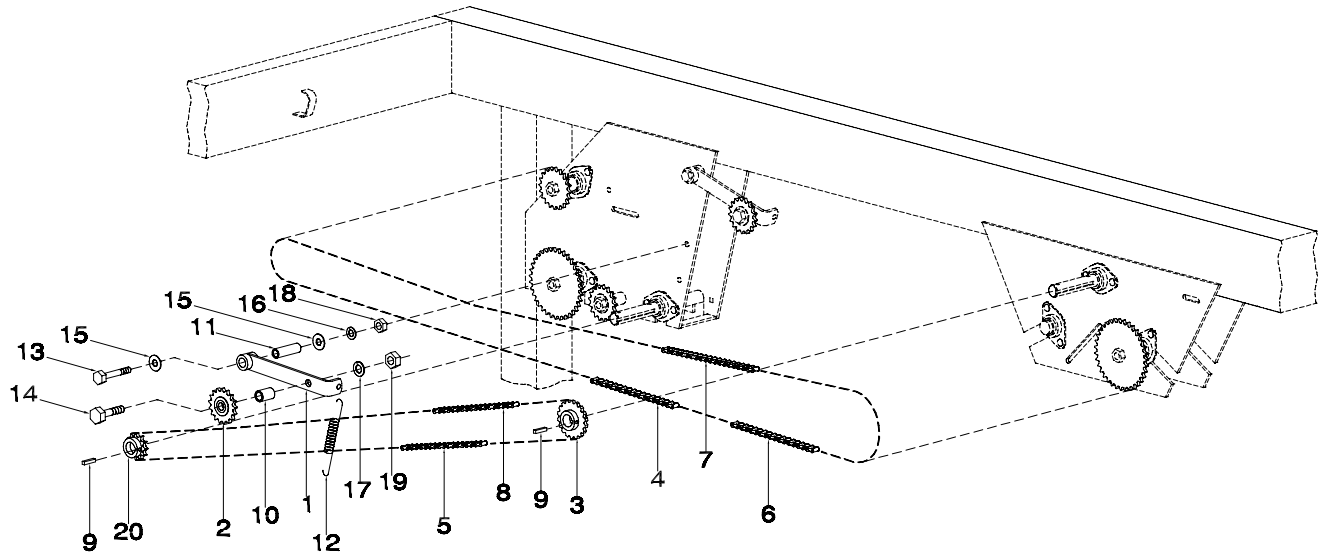

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N28928 | Metering Body | 1 |
| 2 | N19687 | Metering Shaft - 8 Outlet | 1 |
| 3 | N19269 | Bearing Assembly - NTN - 2 Bolt Flange | 2 |
| 6 | N21659 | Seal | 2 |
| 7 | N21602 | Spacer | 4 |
| 8 | N21612 | Backing Washer | 1 |
| 9 | N27090 | Slider - #10 Wheel | As req |
| 10 | N27089 | Slider - #9 Wheel | As req |
| 11 | N27088 | Slider - #8 Wheel | As req |
| 12 | N27087 | Slider - #7 Wheel | As req |
| 13 | N27605 | Cover - Blank Off | As req |
| 14 | N42130 | Wheel - #10 Metering (Cream Colored) (2.50 width) | As req |
| 15 | N42129 | Wheel - #9 Metering (Cream Colored) (2.25 width) | As req |
| 16 | N42128 | Wheel - #8 Metering (Cream Colored) (2.00 width) | As req |
| 17 | N42127 | Wheel - #7 Metering (Cream Colored) (1.75 width) | As req |
| 18 | N27099 | Spacer Plate - #9 Wheel (Single - Left) | As req |
| 19 | N27098 | Spacer Plate - #8 Wheel (Single - Right) | As req |
| 20 | N27097 | Spacer Plate - #7 Wheel (Double - Left) | As req |
| 21 | N28927 | Plastic Spacer - Wheel (Left) | 8 |
| 22 | N28929 | Plastic Spacer - Wheel (Right) | 1 |
| | N28492 | Roll Pin - Used in Spacer Plates (Not Shown) | As req |
| 23 | W-477 | Hex Bolt - 3/8 x 1 1/2 Lg | 4 |
| 24 | D-5488 | Flatwasher - 5/16 | 8 |
| 25 | W-522 | Lockwasher - 5/16 | 8 |
| 26 | W-523 | Lockwasher - 3/8 | 4 |
| 27 | N15114 | Hex Nut - 5/16 Stainless Steel | 8 |
| 28 | N28924 | Plastic Spacer - Wheel (Without Pin) | 7 |
| 29 | N15716 | Seal Strip - 1/4 x 1 x 152 Lg (Bulk/Ft) | 8 ft |
| | N29457 | Kit Coated Metering Body Assy (Includes 1, 2, 3, 6, 21, 22, 28 & 29) | |

# Metering
## Optional Fertilizer Banding Kit - Rear



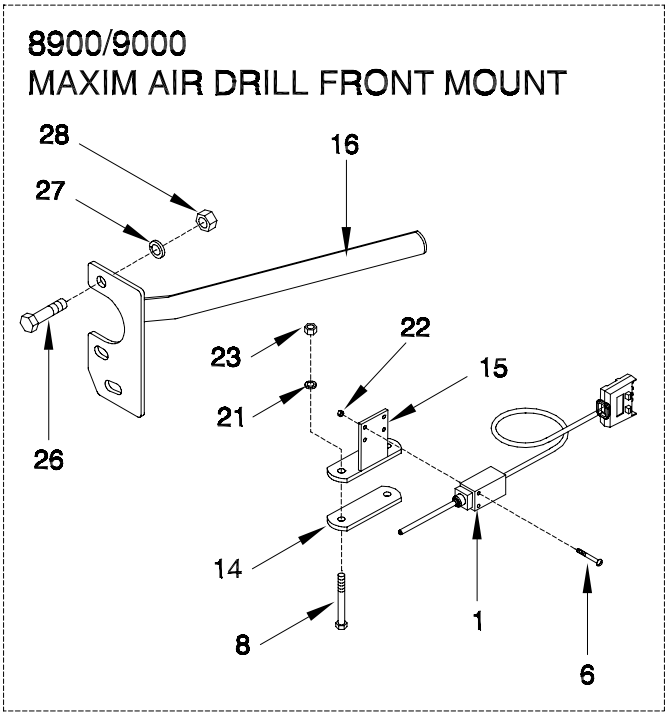

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | D-5234 | Nylon Idler - 40B15 | 1 |
| 2 | N19237 | Sprocket - 40B18 | 1 |
| 3 | N27633 | Chain - #40 x 47 Links w/Connector & Offset Link (7240 / 7300 ONLY) | 1 |
| 4 | N19774 | Chain - #40 x 72 Links w/Connector | 1 |
| 5 | N27631 | Chain - #40 x 223 Links w/Connector & Offset Link | 1 |
| 6 | S10730 | Key - 1/4 x 1/4 x 1 1/4 Lg | 2 |
| 7 | N19460 | Bushing - 2 1/2 Lg | 1 |
| 8 | N19283 | Carriage Bolt - 3/8 x 3 1/2 Lg | 1 |
| 9 | N19706 | Flatwasher - 3/8 | 2 |
| 10 | W-523 | Lockwasher- 3/8 | 1 |
| 11 | W-514 | Hex Nut - 3/8 | 1 |
| 12 | D17946 | Sprocket - 40B12 | 1 |
| | N27849 | Fertilizer Banding Kit (Includes Items from Options 1 & 2 pg. 2-7 & 2-8) (Order Through Wholegoods) | |

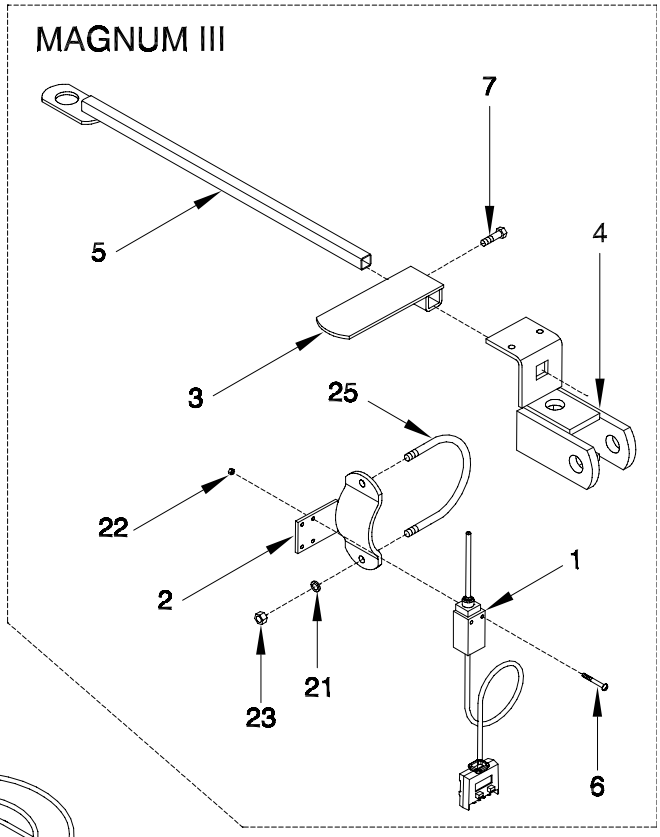
# Metering
## Optional Fertilizer Banding Kit - Front

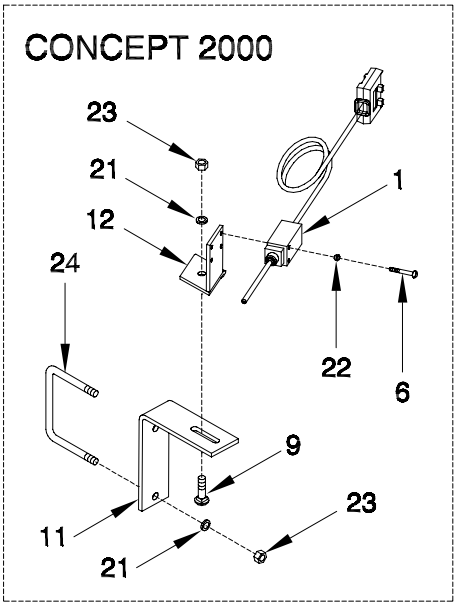


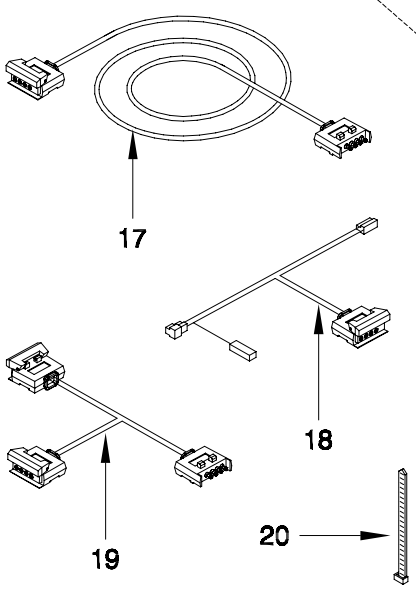

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19261 | Idler Arm | 1 |
| 2 | D17808 | Sprocket - 40A17 | 1 |
| 3 | N19237 | Sprocket - 40B18 | 1 |
| 4 | N27632 | Chain - #40 x 40 Links w/Connector (7240 / 7300 ONLY) | 1 |
| 5 | N27633 | Chain - #40 x 47 Links w/Connector & Offset Link (7240 / 7300 ONLY) | 1 |
| 6 | N19774 | Chain - #40 x 72 Links w/Connector | 1 |
| 7 | N21024 | Chain - #40 x 217 Links w/Connector & Offset Link | 1 |
| 8 | N27631 | Chain - #40 x 223 Links w/Connector & Offset Link | 1 |
| 9 | S10730 | Key - 1/4 x 1/4 x 1 1/4 Lg | 2 |
| 10 | N19577 | Bushing - 7/8 Lg | 1 |
| 11 | N19460 | Bushing - 2 1/2 Lg | 1 |
| 12 | W-1663 | Spring - 23/32 OD x 7 9/16 Lg | 1 |
| 13 | W-481 | Hex Bolt - 3/8 x 3 1/2 Lg | 1 |
| 14 | W-502 | Hex Bolt - 5/8 x 2 3/4 Lg | 1 |
| 15 | N19706 | Flatwasher - 3/8 | 2 |
| 16 | W-523 | Lockwasher - 3/8 | 1 |
| 17 | W-526 | Lockwasher - 5/8 | 1 |
| 18 | W-514 | Hex Nut - 3/8 | 1 |
| 19 | W-517 | Hex Nut - 3/8 | 1 |
| 20 | D17946 | Sprocket - 40B12 | 1 |
| | N27849 | Fertilizer Banding Kit (Includes Items from Options 1 & 2 pg. 2-7 & 2-8)<br>(Order Through Wholegoods) | |

# Metering
## Optional Remote Clutch Switch - Brylite Ends



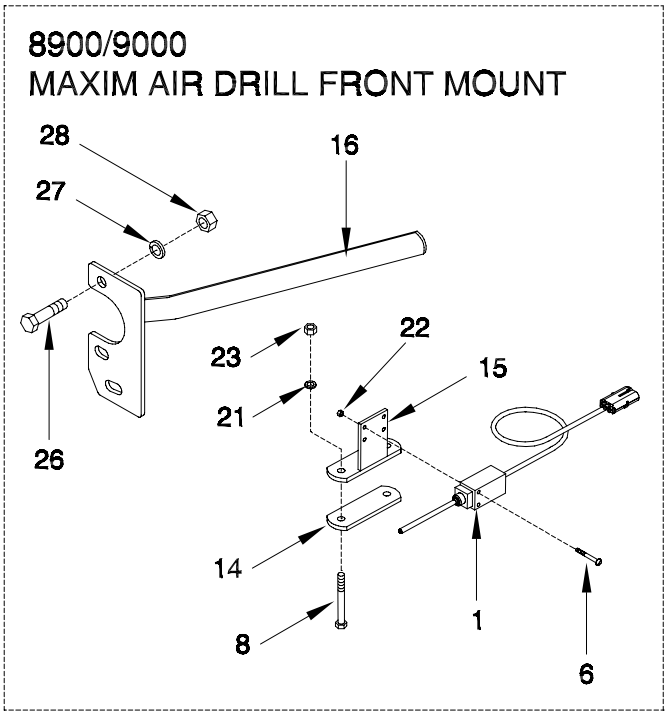



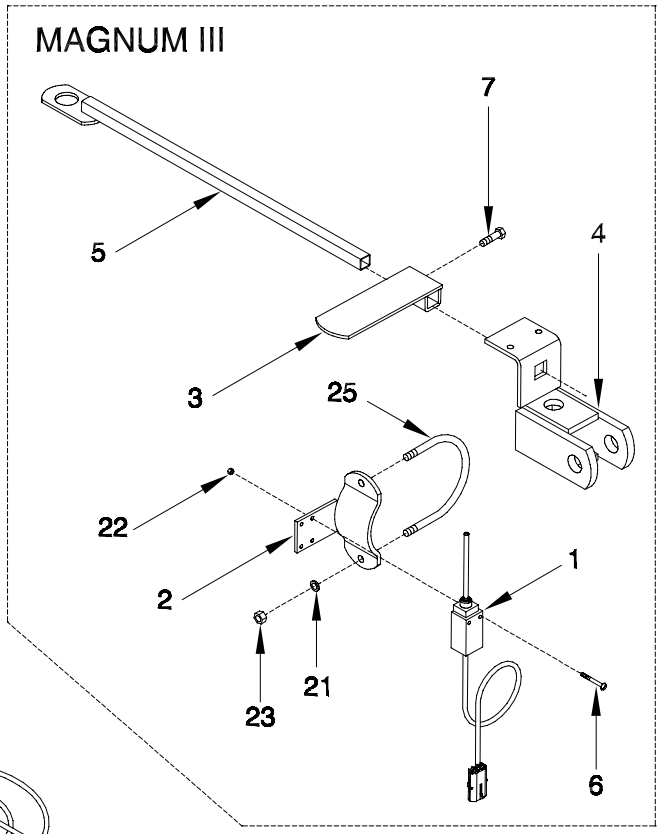



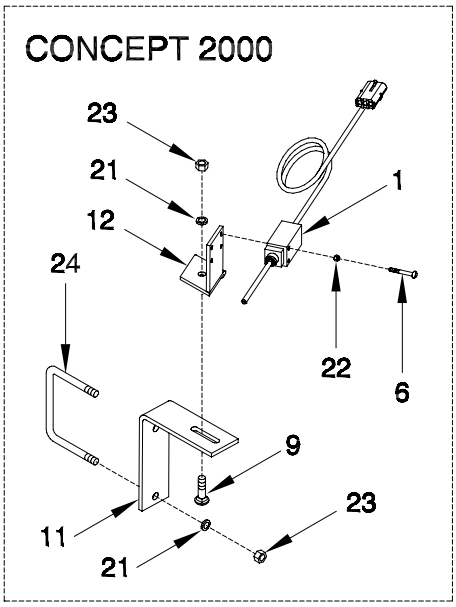
## Metering - Optional Remote Clutch Switch - Brylite Ends

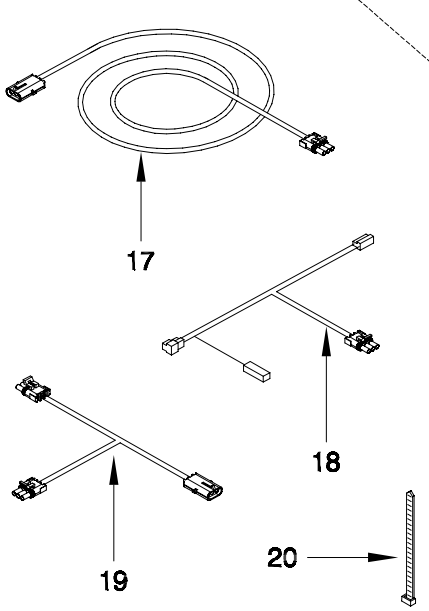
| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **MAGNUM III - Order Kits Through Wholegoods ONLY** | |
| 1 | N32068 | Work Switch & Wire | 1 |
| 2 | N32104 | Switch Bracket - Magnum III | 1 |
| 3 | N32110 | Activator Arm - Magnum III | 1 |
| 4 | C29572 | Left Knuckle Joint - Magnum III 43 ft and 50 ft ONLY | 1 |
| 5 | C29579 | Depth Stop Rod - Magnum III 43 ft and 50 ft ONLY | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 7 | W-867 | Bolt - 3/8 x 3/4 Lg | 1 |
| 17 | N16893 | Wire - Clutch Extension (Main) - 37 1/2 ft | 1 |
| 18 | N32060 | Connector - 'Y' Wire Tow Between ONLY | 1 |
| 19 | N32061 | Connector - 'Y' Wire Tow Behind ONLY | 1 |
| 20 | S13336 | Tie Strap | 6 |
| 21 | W-523 | Lock Washer - 3/8 | 2 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 2 |
| 25 | C31374 | U-Bolt - 3/8 x 4 1/2 x 12 1/2 | 1 |
| | N30948 | Kit Work Switch Mag III 25, 31 & 40 - Tow Between (Includes Above Items except 4, 5 &19) | |
| | N30949 | Kit Work Switch Mag III 25, 31 & 40 - Tow Behind (Includes Above Items except 4, 5 &18) | |
| | N30951 | Kit Work Switch Mag III 43 & 50 - Tow Between (Includes Above Items except 19) | |
| | N30950 | Kit Work Switch Mag III 43 & 50 - Tow Behind (Includes Above Items except 18) | |
| | | **CONCEPT 2000 - Order Kits Through Wholegoods ONLY** | |
| 1 | N32068 | Work Switch & Wire | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 9 | P7C616 | Carriage Bolt - 3/8 x 1 Lg | 1 |
| 11 | N32062 | Mounting Bracket Angle | 1 |
| 12 | N32065 | Switch Bracket - Work Switch | 1 |
| 17 | N16893 | Wire - Clutch Extension (Main) - 37 1/2 ft Tow Between ONLY | 1 |
| 18 | N32060 | Connector - 'Y' Wire Tow Between ONLY | 1 |
| 19 | N32061 | Connector - 'Y' Wire Tow Behind ONLY | 1 |
| 20 | S13336 | Tie Strap | 2 |
| 21 | W-523 | Lock Washer - 3/8 | 3 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 3 |
| 24 | N15098 | U-Bolt - 3/8 x 4 x 5 | 1 |
| | N30958 | Kit Work Switch Concept - Tow Between (Includes Above Items except 19) | |
| | N30957 | Kit Work Switch Concept - Tow Behind (Includes Above Items except 17 &18) | |
| | | **8900/9000 & MAXIM AIR DRILL FRONT MOUNT - Order Kits Through Wholegoods ONLY** | |
| 1 | N32068 | Work Switch & Wire | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 8 | C-1550 | Bolt - 3/8 x 4 Lg | 2 |
| 14 | N32106 | Mounting Plate | 1 |
| 15 | N32105 | Switch Bracket - 8900/9000 | 1 |
| 16 | N32107 | Activator Arm - 8900/9000 | 1 |
| 17 | N16893 | Wire - Clutch Extension (Main) - 37 1/2 ft | 1 |
| 18 | N32060 | Connector - 'Y' Wire Tow Between ONLY | 1 |
| 19 | N32061 | Connector - 'Y' Wire Tow Behind ONLY | 1 |
| 20 | S13336 | Tie Strap | 6 |
| 21 | W-523 | Lock Washer - 3/8 | 2 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 2 |
| 26 | W-497 | Hex Bolt - 5/8 x 1 1/2 25 - 31 and 31 - 41 ONLY | 2 |
| 27 | W-526 | Lock Washer - 5/8 25 - 31 and 31 - 41 ONLY | 2 |
| 28 | W-517 | Nut - 5/8 25 - 31 and 31 - 41 ONLY | 2 |
| | N30952 | Kit Work Switch 8900/9000 - Tow Between (Includes Above Items except 19) | |
| | N30953 | Kit Work Switch 8900/9000 - Tow Behind (Includes Above Items except 18) | |

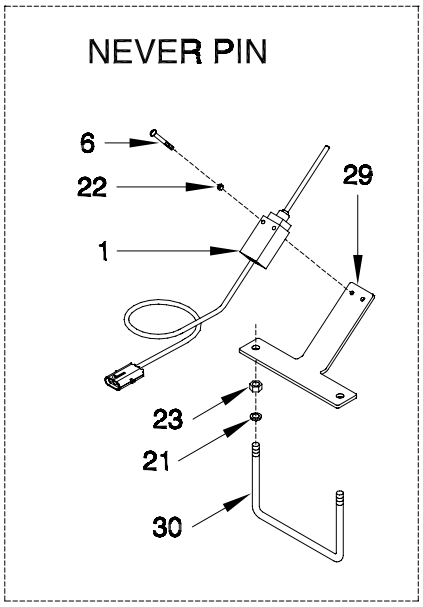
# Metering
## Optional Remote Clutch Switch - Weather Pak Ends



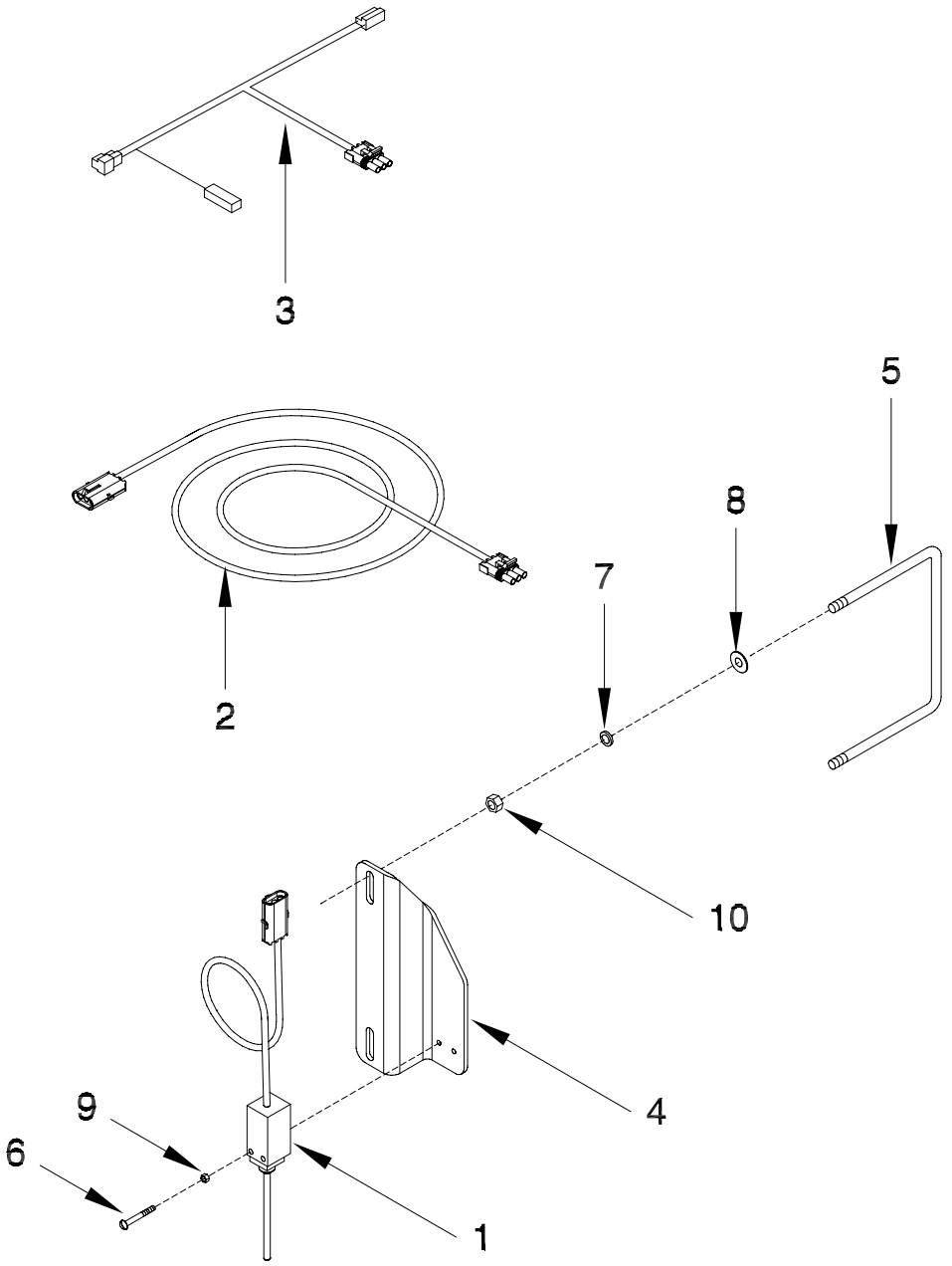



## Metering - Optional Remote Clutch Switch - Weather Pak Ends

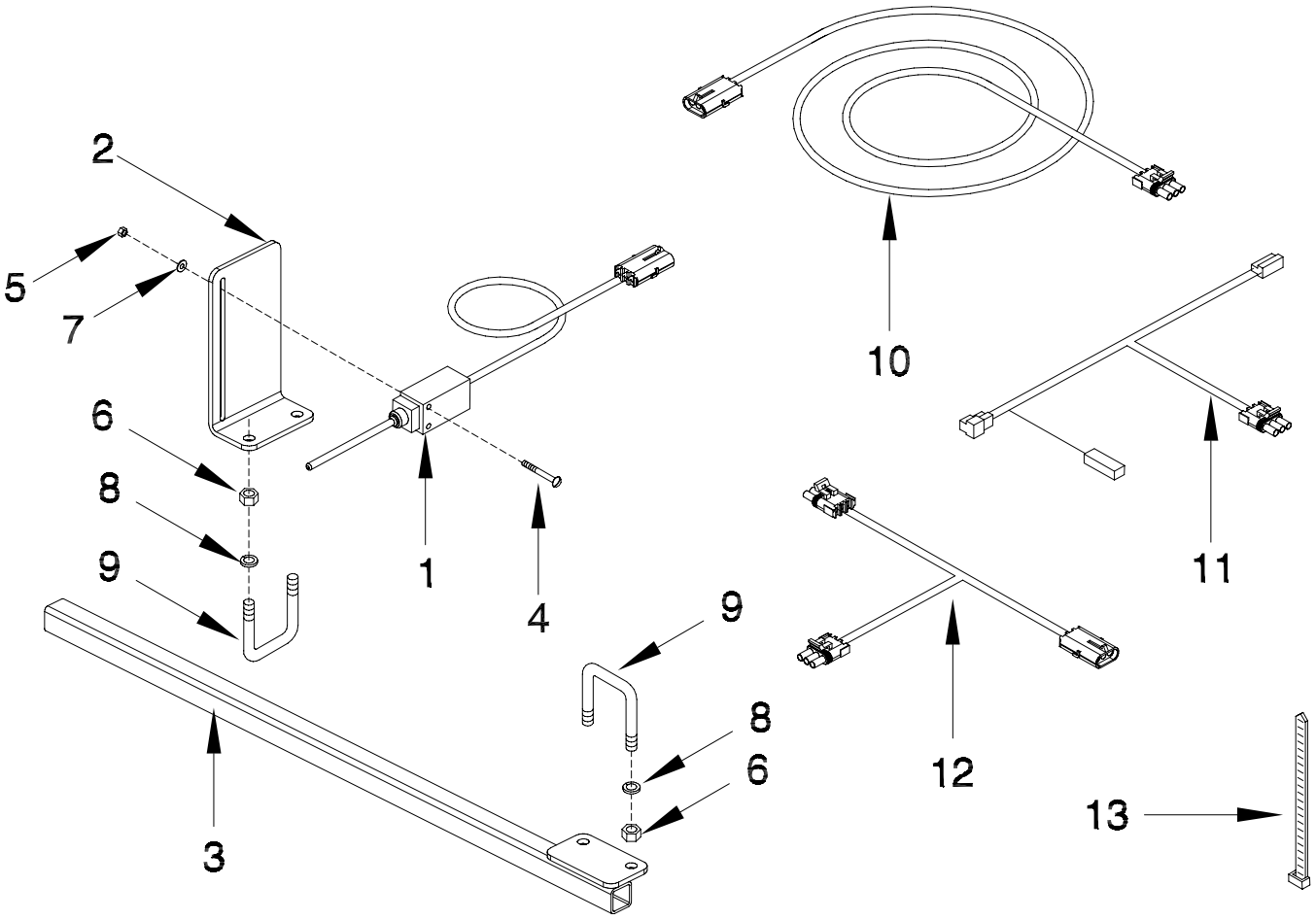
| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **MAGNUM III - Order Kits Through Wholegoods ONLY** | |
| 1 | N32481 | Work Switch & Wire - Weather Pak End | 1 |
| 2 | N32104 | Switch Bracket - Magnum III | 1 |
| 3 | N32110 | Activator Arm - Magnum III | 1 |
| 4 | C29572 | Left Knuckle Joint - Magnum III 43 and 50 ONLY | 1 |
| 5 | C29579 | Depth Stop Rod - Magnum III 43 and 50 ONLY | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 7 | W-867 | Bolt - 3/8 x 3/4 Lg | 1 |
| 17 | N32457 | Wire - Clutch Extension (Main) - 37 1/2 ft - Weather Pak Ends | 1 |
| 18 | N32483 | Connector - 'Y' Wire Tow Between ONLY - Weather Pak Ends | 1 |
| 19 | N32482 | Connector - 'Y' Wire Tow Behind ONLY - Weather Pak Ends | 1 |
| 20 | S13336 | Tie Strap | 6 |
| 21 | W-523 | Lock Washer - 3/8 | 2 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 2 |
| 25 | C31374 | U-Bolt - 3/8 x 4 1/2 x 12 1/2 | 1 |
| | N32781 | Kit Work Switch Mag III 25, 31 & 40 - Tow Between (Includes Above Items except 4, 5 &19) | |
| | N32786 | Kit Work Switch Mag III 25, 31 & 40 - Tow Behind (Includes Above Items except 4, 5 &18) | |
| | N32776 | Kit Work Switch Mag III 43 & 50 - Tow Between (Includes Above Items except 19) | |
| | N32785 | Kit Work Switch Mag III 43 & 50 - Tow Behind (Includes Above Items except 18) | |
| | | **CONCEPT 2000 - Order Kits Through Wholegoods ONLY** | |
| 1 | N32481 | Work Switch & Wire - Weather Pak End | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 9 | P7C616 | Carriage Bolt - 3/8 x 1 Lg | 1 |
| 11 | N32062 | Mounting Bracket Angle | 1 |
| 12 | N40472 | Switch Bracket - Work Switch | 1 |
| 17 | N32457 | Wire - Clutch Extension (Main) - 37 1/2 ft - Weather Pak Ends | 1 |
| 18 | N32483 | Connector - 'Y' Wire Tow Between ONLY - Weather Pak Ends | 1 |
| 19 | N32482 | Connector - 'Y' Wire Tow Behind ONLY - Weather Pak Ends | 1 |
| 20 | S13336 | Tie Strap | 2 |
| 21 | W-523 | Lock Washer - 3/8 | 3 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 3 |
| 24 | N15098 | U-Bolt - 3/8 x 4 x 5 | 1 |
| | N32772 | Kit Work Switch Concept - Tow Between (Includes Above Items except 19) | |
| | N32782 | Kit Work Switch Concept - Tow Behind (Includes Above Items except 17 &18) | |
| | | **8900/9000 & MAXIM AIR DRILL FRONT MOUNT - Order Kits Through Wholegoods ONLY** | |
| 1 | N32481 | Work Switch & Wire - Weather Pak End | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 8 | C-1550 | Bolt - 3/8 x 4 Lg | 2 |
| 14 | N32106 | Mounting Plate | 1 |
| 15 | N32105 | Switch Bracket - 8900/9000 | 1 |
| 16 | N32107 | Activator Arm - 8900/9000 | 1 |
| 17 | N32457 | Wire - Clutch Extension (Main) - 37 1/2 ft - Weather Pak Ends | 1 |
| 18 | N32483 | Connector - 'Y' Wire Tow Between ONLY - Weather Pak Ends | 1 |
| 19 | N32482 | Connector - 'Y' Wire Tow Behind ONLY - Weather Pak Ends | 1 |
| 20 | S13336 | Tie Strap | 6 |
| 21 | W-523 | Lock Washer - 3/8 | 2 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 2 |
| 26 | W-497 | Hex Bolt - 5/8 x 1 1/2 25 - 31 and 31 - 41 ONLY | 2 |
| 27 | W-526 | Lock Washer - 5/8 25 - 31 and 31 - 41 ONLY | 2 |
| 28 | W-517 | Nut - 5/8 25 - 31 and 31 - 41 ONLY | 2 |
| | N32775 | Kit Work Switch 8900/9000 - Tow Between (Includes Above Items except 19) | |
| | N32774 | Kit Work Switch 8900/9000 - Tow Behind (Includes Above Items except 18) | |
| | | **Never Pin - Order Kits Through Wholegoods ONLY** | |
| 1 | N32481 | Work Switch & Wire - Weather Pak End | 1 |
| 6 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 17 | N32457 | Wire - Clutch Extension (Main) - 37 1/2 ft - Weather Pak Ends | 1 |
| 18 | N32483 | Connector - 'Y' Wire Tow Between ONLY - Weather Pak Ends | 1 |
| 19 | N32482 | Connector - 'Y' Wire Tow Behind ONLY - Weather Pak Ends | 1 |
| 20 | S13336 | Tie Strap | 6 |
| 21 | W-523 | Lock Washer - 3/8 | 2 |
| 22 | N32102 | Nut - 3/16 | 2 |
| 23 | W-514 | Nut - 3/8 | 2 |
| 29 | N34731 | Bracket - Work Switch - Never Pin | 1 |
| 30 | H10592 | U-Bolt - 3/8 x 6 x 5 | 1 |
| | N35620 | Kit Work Switch Never Pin - Tow Between (Includes Above Items except 19) | |
| | N35619 | Kit Work Switch Never Pin - Tow Behind (Includes Above Items except 18) | |

# Metering
## Remote Clutch Switch - Xpress



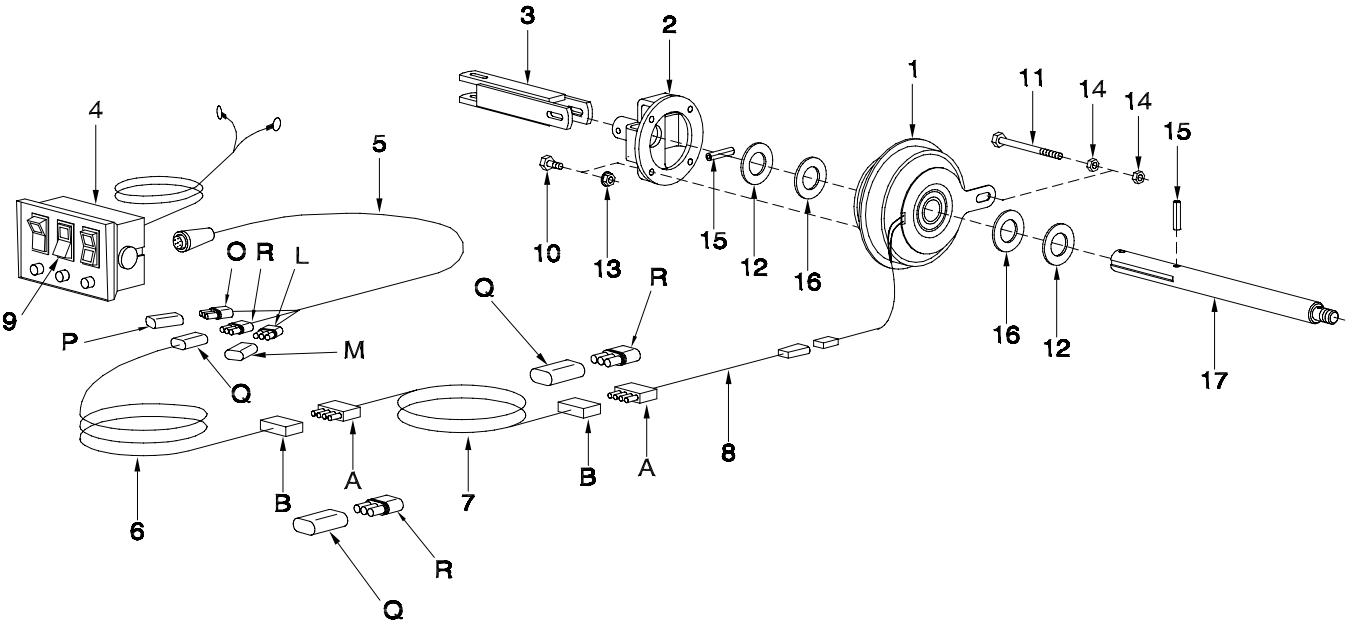

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N32481 | Work Switch & Wire - Aircart | 1 |
| 2 | N32457 | Wire Clutch Extension (Main) 37 1/2 ft | 1 |
| 3 | N32483 | Connector 'Y' Wire Tow Between | 1 |
| 4 | N34359 | Bracket - Switch | 1 |
| 5 | N31209 | U-Bolt 3/8 x 7 1/16 x 8 | 1 |
| 6 | N32101 | Stove Bolt Plated 3/16 x 1 1/2 | 2 |
| 7 | W-523 | Lockwasher - 3/8 | 2 |
| 8 | W-538 | Flatwasher - 3/8 | 2 |
| 9 | N32102 | Hex Nut - 3/16 | 2 |
| 10 | W-514 | Hex Nut - 3/8 | 2 |

# Metering
## Remote Clutch Switch - Maxim III




| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N32481 | Work Switch & Wire - Weather Pak End | 1 |
| 2 | S39949 | Bracket Mount - Work Switch - Maxim III | 1 |
| 3 | S39948 | Bracket Actuator - Work Switch - Maxim III | 1 |
| 4 | N32101 | Stove Bolt - 3/16 x 1 1/2 Lg | 2 |
| 5 | N32102 | Nut - 3/16 | 2 |
| 6 | W-514 | Hex Bolt - 3/8 | 4 |
| 7 | S39549 | Flatwasher - 3/16 | 2 |
| 8 | W-523 | Lockwasher - 3/8 | 4 |
| 9 | N15097 | U-Bolt - 3/8 x 2 x 5 | 2 |
| 10 | N32457 | Wire - Clutch Extension (Main) - 37 1/2 ft - Weather Pak Ends | 1 |
| 11 | N32483 | Connector - 'Y' Wire - Tow Between ONLY - Weather Pak Ends | 1 |
| 12 | N32482 | Connector - 'Y' Wire - Tow Behind ONLY - Weather Pak Ends | 1 |
| 13 | S13336 | Tie Strap | 6 |
| | | **Order Kits through Wholegoods Only** | |
| | N41221 | Kit Work Switch Maxim III - Tow Between (Includes Above Items except 12) | |
| | N41220 | Kit Work Switch Maxim III - Tow Behind (Includes Above Items except 11) | |

# Metering
## Optional Clutch



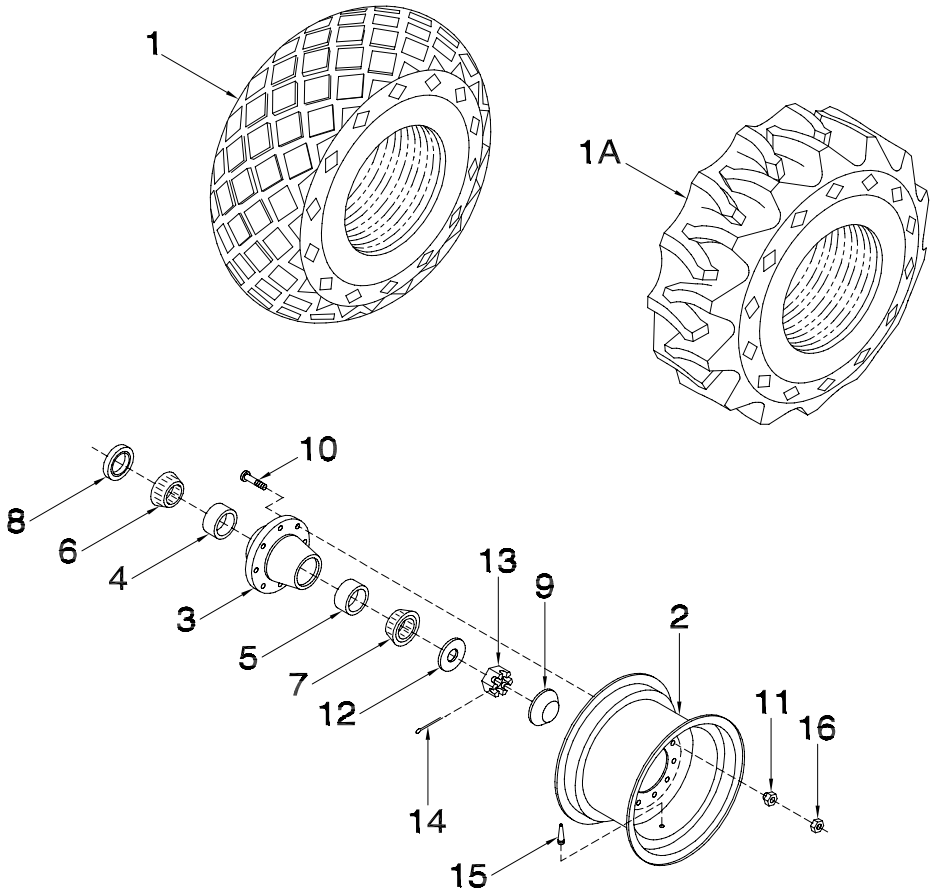

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16862 | Electric Clutch - 12 Volt | 1 |
| 2 | N19470 | Coupler - Fertilizer Clutch | 1 |
| 3 | N21287 | Coupler - Metering - 5 5/8 Lg | 1 |
| 4 | N27011 | Clutch Switch - Main - 7000 Series (Fuse 7.5 amp - N30594) | 1 |
| 5 | N27012 | Clutch Wire - Extension - 8 ft | 1 |
| 6 | N28039 | Wire - Clutch Extension (Aux) - 16 ft (Brylite) | 1 |
| | N32458 | Wire - Clutch Extension (Aux) - 16 ft (Weather Pak) | 1 |
| 7 | N28079 | Wire - Clutch Extension (Aux) - 37 1/2 ft (Brylite) | 1 |
| | N32460 | Wire - Clutch Extension (Aux) - 37 1/2 ft (Weather Pak) | 1 |
| 8 | N28099 | Clutch Wire (Aux)(Brylite) | 1 |
| | N32459 | Clutch Wire (Aux)(Weather Pak) | 1 |
| | N24583 | Clutch Wire (Bulk/Ft) | |
| 9 | N29382 | Clutch Rocker Switch - 2 Way - #83301 | 1 |
| 10 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 11 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 1 |
| 12 | H18268 | Flatwasher - 1 | 2 |
| 13 | D-5277 | Serrated Locknut - 1/4 | 4 |
| 14 | W-514 | Hex Nut - 3/8 | 2 |
| 15 | S-4781 | Spiral Pin - 1/4 x 1 1/2 Lg | 2 |
| 16 | N31040 | Washer - 1 3/4 OD x 16 Ga Thick (As Req'd) | 2 |
| 17 | N27402 | Shaft - Meter End - (P-Drive) required for auxilary clutch kit | 1 |
| | | Order Kits Through Wholegoods | |
| | N27847 | Tow Behind Clutch Kit - Brylite (Includes All Above Items Except 4 & 5) All Models **Except 7252** | |
| | N32780 | Tow Behind Clutch Kit - Weather Pak (Includes All Above Items Except 4 & 5) All Models **Except 7252** | |
| | N27848 | Tow Between Clutch Kit - Brylite (Includes All Above Items Except 4, 5 & 7) All Models **Except 7252** | |
| | N32779 | Tow Between Clutch Kit - Weather Pak (Includes All Above Items Except 4, 5 & 7) All **Except 7252** | |
| | N31495 | Tow Behind Clutch Kit - Brylite (Includes All Above Items Except 4 & 5) 7252 **Only** | |
| | N32778 | Tow Behind Clutch Kit - Weather Pak (Includes All Above Items Except 4 & 5) 7252 **Only** | |
| | N31496 | Tow Between Clutch Kit - Brylite (Includes All Above Items Except 4, 5 & 7) 7252 **Only** | |
| | N32777 | Tow Between Clutch Kit - Weather Pak (Includes All Above Items Except 4, 5 & 7) 7252 **Only** | |
| | | See Pg 8-4 for a complete list of Replacement Connectors | |
| A | N21538 | Brylite Connector - 4 Pin Male | |
| B | N21539 | Brylite Connector - 4 Pin Female | |
| L | N28902 | Weather Pak Connector - 3 Pin Socket - Blue | |
| O | N28904 | Weather Pak Connector - 3 Pin Socket - Red | |
| P | N29144 | Weather Pak Connector - 3 Pin Seal Plug - Red | |
| Q | N28905 | Weather Pak Connector - 3 Pin Plug - White | |
| R | N28906 | Weather Pak Connector - 3 Pin Socket - White | |

# Section 3: Wheel & Hub

## Section Contents

7130 / 7180 Rear Wheels ..... 3-2
7130 / 7180 Front Castor Fork ..... 3-3
7240 / 7252 / 7300 Front Castor Fork ..... 3-3
7180 TPH / 7240 / 7252 / 7300 Rear Wheels ..... 3-4

# Wheel & Hub
## Rear & Front Wheels

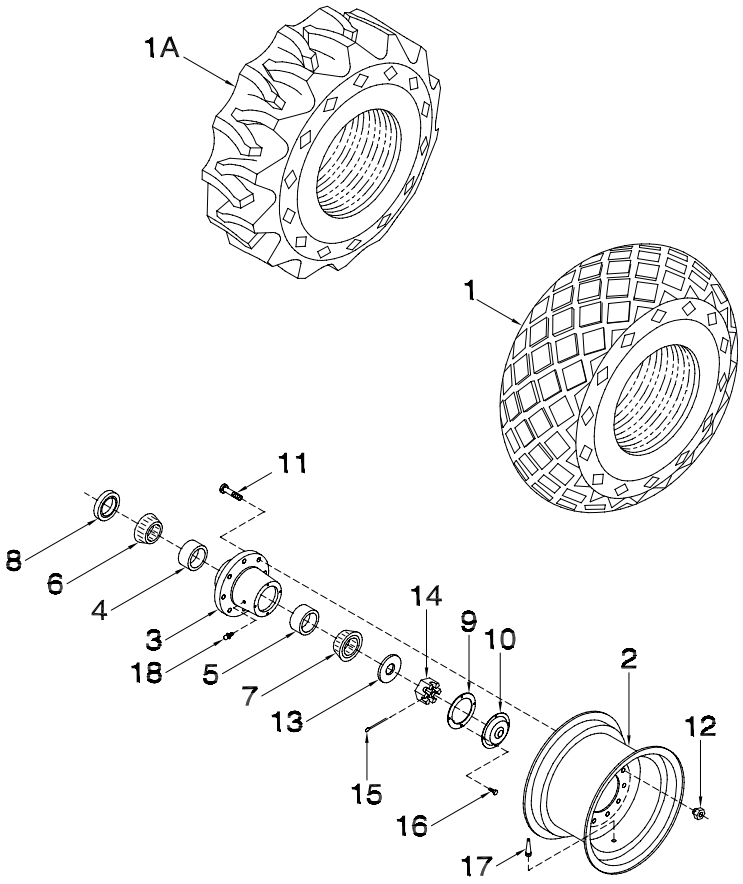



| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **7130 / 7180 Rear Wheels** | |
| 1 | N29276 | Tire - 16.5L x 16.1 (6 Ply Rating) (STII) 7130 | 1 |
| 1A | N29278 | Tire (Lug) - 16.5L x 16.1 (6 Ply Rating) (SGTR) (Optional 7130) | 1 |
| 1 | N19708 | Tire - 21.5L x 16.1 (6 Ply Rating) (STII) 7180 | 1 |
| 1A | N29294 | Tire (Lug) - 21.5L x 16.1 (8 Ply Rating) (SGTR) (Optional 7180) | 1 |
| 1 | N28925 | Tire (AWT) - 18.4 x 26 (10 Ply Rating) 7180 Optional | 1 |
| 2 | N16025 | Rim - W14C x 16.1 7130 | 1 |
| | N19709 | Rim - W18C x 16.1 7180 for 21.5 x 16.1 Tire | 1 |
| | N28926 | Rim - DW16 x 26 7180 for 18.4 x 26 Tire | 1 |
| 3 | N19174 | Hub Drive Wheel (Includes Items 4, 5 & 10) | 1 |
| | N19173 | Hub Non-Drive Wheel (Includes Items 4, 5 & 10) | 1 |
| 4 | N19167 | Inner Cup -382 A | 1 |
| 5 | N19168 | Outer Cup - LM501310 | 1 |
| 6 | N19169 | Inner Bearing Cone - 387 AS | 1 |
| 7 | N19170 | Outer Bearing Cone - LM501349 | 1 |
| 8 | N19172 | Shaft Seal - 2 1/2 (C/R #25108) | 1 |
| 9 | N19171 | Dust Cap - DC26 | 1 |
| 10 | N19727 | Press-In Bolt - 5/8-18 UNF x 2 1/2 Lg | 8 |
| 11 | N19586 | Tapered Wheel Nut - 5/8-18 UNF | 8 |
| 12 | D-5499 | Flatwasher - 1 5/16 ID x 2 3/4 OD | 1 |
| 13 | N19484 | Slotted Hex Nut - 1 1/4-12 UNF | 1 |
| 14 | D-5239 | Cotter Pin - 1/4 x 2 1/4 | 1 |
| 15 | W-3328 | Valve Stem Assembly 7130 / 7180 Tow Behind | 1 |
| | N13968 | Valve Stem Assembly 7180 Tow Between | 1 |

## Wheel & Hub - Rear & Front Wheels

| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **7130 / 7180 Front Castor Fork** | |
| 1 | N29276 | Tire - 16.5L x 16.1 (6 Ply Rating) (STII) 7130 | 1 |
| 1A | N29278 | Tire (Lug) - 16.5L x 16.1 (6 Ply Rating) (SGTR) (Optional 7130) | 1 |
| 1 | N19708 | Tire - 21.5L x 16.1 (6 Ply Rating) (STII) 7180 Tow Behind | 1 |
| 1A | N29294 | Tire (Lug) - 21.5L x 16.1 (8 Ply Rating) (SGTR) (Optional 7180) | 1 |
| 2 | N16025 | Rim - W14C x 16.1 7130 | 1 |
| | N19709 | Rim - W18C x 16.1 7180 | 1 |
| | | Axle and Bearings are shown in Section 1 page 8 | |
| 11 | N19586 | Tapered Wheel Nut - 5/8-18 UNF | 8 |
| 15 | W-3328 | Valve Stem Assembly | 1 |
| 16 | C-708 | Hex Nut - 5/8-18 UNF | 8 |
| | | **7240 / 7252 / 7300 Front Castor Fork** | |
| 1 | N19708 | Tire - 21.5L x 16.1 (6 Ply Rating) (STII) 7240 / 7252 | 1 |
| 1A | N29294 | Tire (Lug) - 21.5L x 16.1 (8 Ply Rating) (SGTR) (Optional 7240 / 7252 ) | 1 |
| 1 | N25616 | Tire - 21.5L x 16.1 (10 Ply Rating) (STII) 7300 | 1 |
| 1A | N29298 | Tire (Rice) - 21.5L x 16.1 (12 Ply Rating) (SGTR) (Optional 7300) | 1 |
| 2 | N19709 | Rim - W18C x 16.1 | 1 |
| 3A | N19173 | Hub Non-Drive Wheel (Includes Items 4, 5 & 10) | 1 |
| 4 | N19167 | Inner Cup -382 A | 1 |
| 5 | N19168 | Outer Cup - LM501310 | 1 |
| 6 | N19169 | Inner Bearing Cone - 387 AS | 1 |
| 7 | N19170 | Outer Bearing Cone - LM501349 | 1 |
| 8 | N19172 | Shaft Seal - 2 1/2 (C/R #25108) | 1 |
| 9 | N19171 | Dust Cap | 1 |
| 10 | N19727 | Press-In Bolt - 5/8-18 UNF x 2 1/2 | 8 |
| 11 | N19586 | Tapered Wheel Nut - 5/8-18 UNF | 8 |
| 12 | D-5499 | Flatwasher - 1 5/16 ID x 2 3/4 OD | 1 |
| 13 | N19484 | Slotted Hex Nut - 1 1/4-12 UNF | 1 |
| 14 | D-5239 | Cotter Pin - 1/4 x 2 1/4 | 1 |
| 15 | W-3328 | Valve Stem Assembly | 1 |

# Wheel & Hub
## Rear Wheels



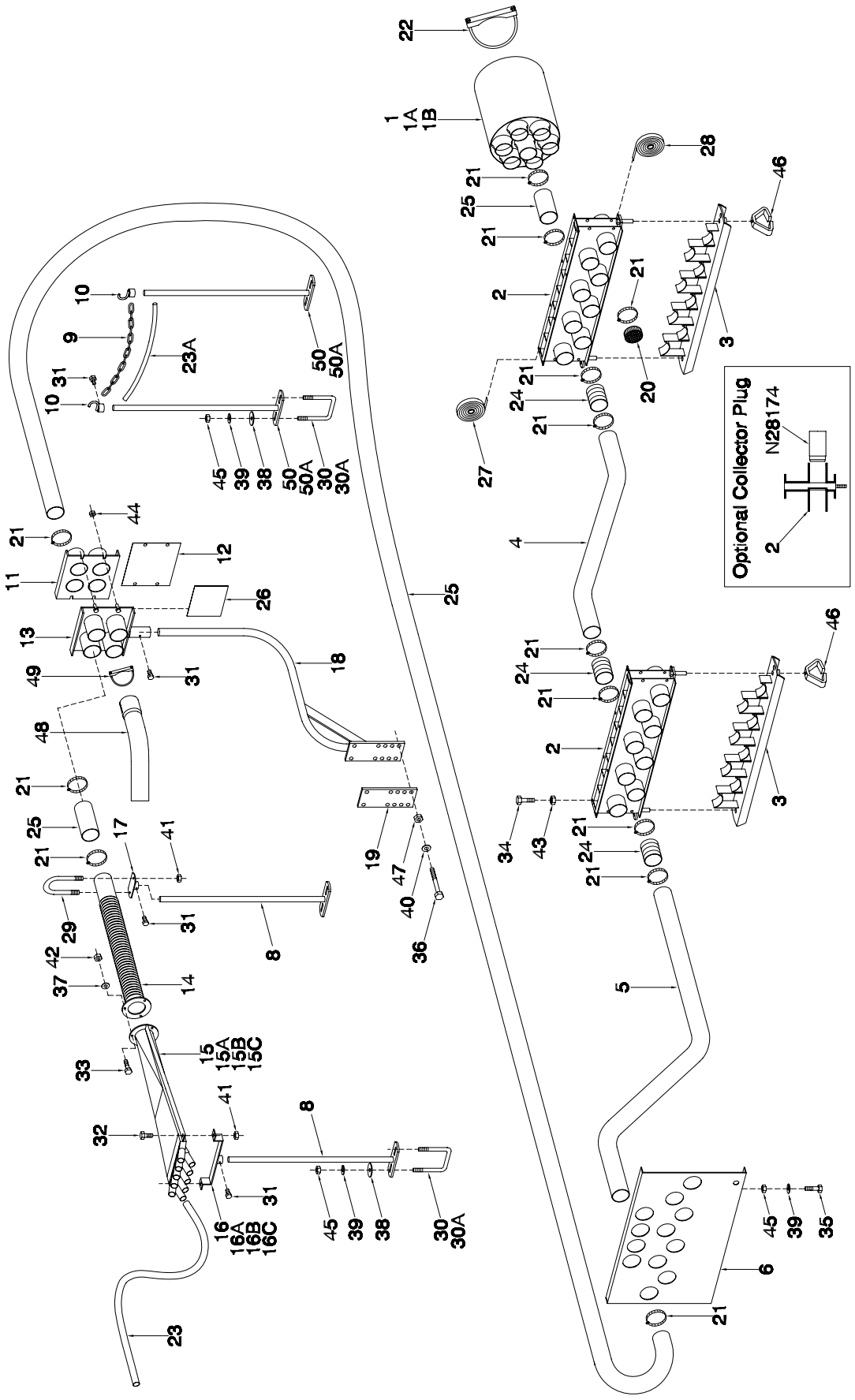

| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **7180 TPH / 7240 / 7252 / 7300 Rear Wheels** | |
| 1 | N13963 | Tire (AWT) - 23.1 x 26 (8 Ply Rating) 7240 / 7252 | 1 |
| | N25617 | Tire (AWT) - 23.1 x 26 (12 Ply Rating) 7300 / 7240 Three Point Hitch | 1 |
| | N25617 | Tire (AWT) - 23.1 x 26 (12 Ply Rating) (Optional 7180 Three Point Hitch) | 1 |
| 1A | N25755 | Tire (Rice) - 23.1 x 26 (10 Ply Rating) (Optional 7240 / 7252 / 7300) | 1 |
| 2 | N13964 | Rim - DW20 x 26 | 1 |
| 3 | N13950 | Hub - Non-Drive Wheel (Includes Items 4, 5 & 11) | 1 |
| 3A | N25479 | Hub - Drive Wheel (Includes Items 4, 5 & 11) | 1 |
| 4 | N13951 | Bearing Cup | 1 |
| 5 | N13952 | Bearing Cup | 1 |
| 6 | N13954 | Inner Bearing Cone | 1 |
| 7 | N13955 | Outer Bearing Cone | 1 |
| 8 | N13956 | Seal | 1 |
| 9 | N13959 | Gasket | 1 |
| 10 | N13957 | Dust Cap | 1 |
| 11 | N13953 | Wheel Stud Bolt | 10 |
| 12 | N13958 | Wheel Nut - 3/4 UNF Flanged | 10 |
| 13 | N13962 | Flatwasher | 1 |
| 14 | N19484 | Castle Nut - 1 1/4-12 UNF | 1 |
| 15 | D-5239 | Cotter Pin - 1/4 x 2 1/4 | 1 |
| 16 | D-5247 | Hex Bolt - 5/16 x 1/2 | 4 |
| 17 | N13968 | Valve Stem | 1 |
| 18 | S-752 | Grease Nipple | 1 |

# Section 4: Distribution

## Section Contents

Single Shoot Tow Behind ..... 4-2
Single Shoot Tow Behind 7252 ..... 4-4
Single Shoot Tow Between ..... 4-6
Single Shoot Tow Between 7252 ..... 4-8
Single Shoot Tow Between Xpress ..... 4-10
Dual Shoot Tow Behind ..... 4-12
Dual Shoot Tow Behind 7252 ..... 4-15
Dual Shoot Tow Between ..... 4-18
Dual Shoot Tow Between 7252 ..... 4-21
Broadcast 7252 Front Tank Tow Between - 4 & 5 Primaries ..... 4-24
Broadcast 7252 Front Tank Tow Between - 6 & 8 Primaries ..... 4-27
Broadcast 7252 Front Tank Tow Behind - 4 & 5 Primaries ..... 4-30
Broadcast 7252 Front Tank Tow Behind - 6 & 8 Primaries ..... 4-33
Broadcast 7252 Rear Tank Tow Between - 4 & 5 Primaries ..... 4-36
Broadcast 7252 Rear Tank Tow Between - 6 & 8 Primaries ..... 4-39
Broadcast 7252 RearTank Tow Behind - 4 & 5 Primaries ..... 4-42
Broadcast 7252 Rear Tank Tow Behind - 6 & 8 Primaries ..... 4-45
Broadcast 7252 Deflector Mounts ..... 4-48
Divider Head ..... 4-50
Double Shoot Diverter Valve ..... 4-52
Double Shoot Plenum ..... 4-53
Plenum 7252 Broadcast ..... 4-54

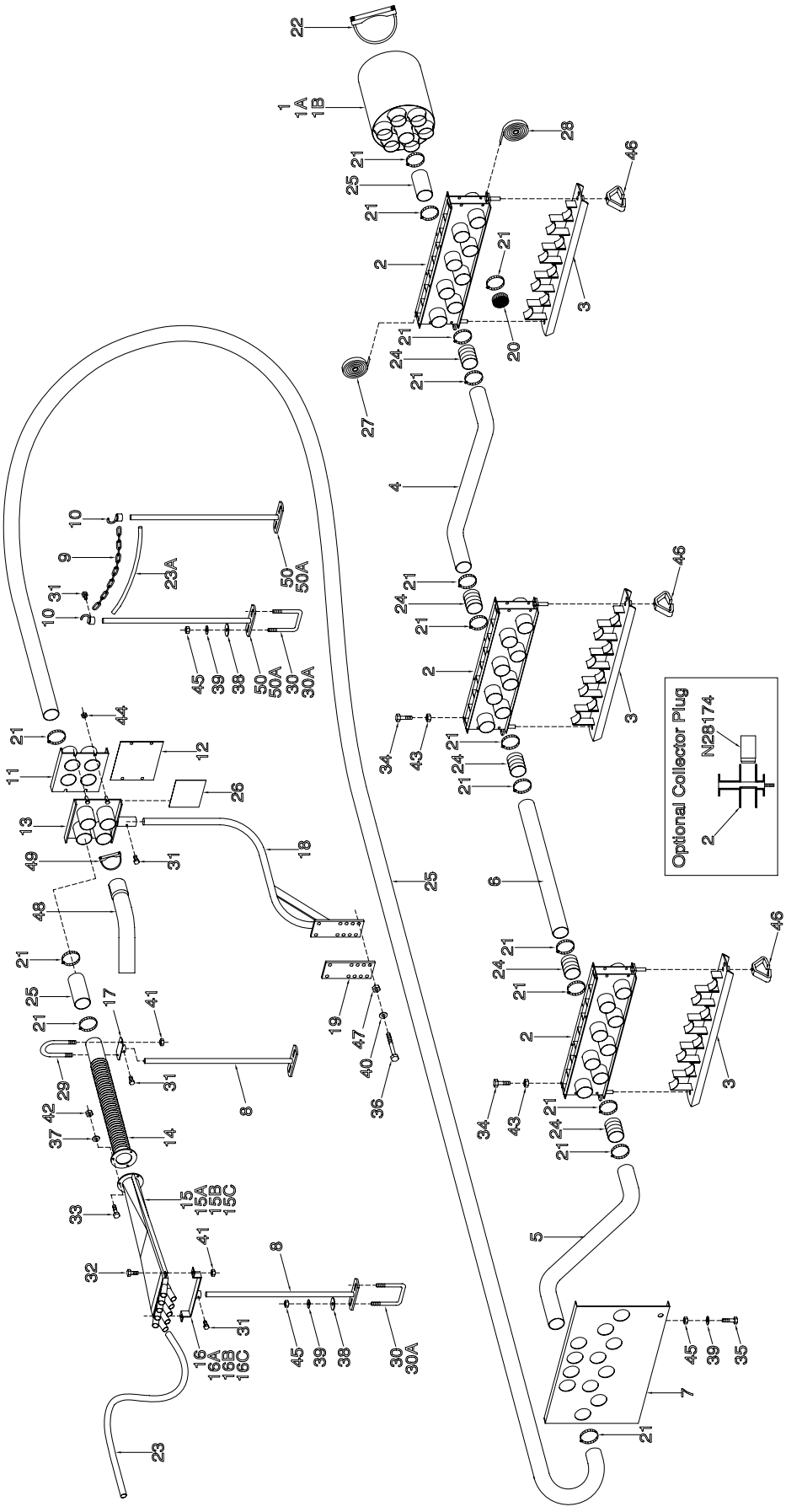
# Distribution
## Single Shoot Tow Behind



## Distribution - Single Shoot Tow Behind

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N19039 | Plenum - 7 Outlet | 1 | 1 | 0 | 0 | 0 | 0 |
| 1A | N19042 | Plenum - 9 Outlet | 0 | 0 | 1 | 1 | 0 | 0 |
| 1B | N19700 | Plenum - 11 Outlet | 0 | 0 | 0 | 0 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | N27045 | Tube - Primary - 43 3/4 7130 / 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N27050 | Tube - Primary - 55 3/4 7240 / 7300 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5 | N27330 | Tube - Primary - 79 7130 / 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N33361 | Tube - Primary - 99 7180LT | 3 | 4 | 5 | 6 | 7 | 8 |
| | N27340 | Tube - Primary - 88 7240 / 7300 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N27490 | Mount Plate - Primary Tube - Single | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | N19531 | Support - Bottom - Rod 24 | 6 | 8 | 10 | 12 | 14 | 16 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | N19398 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 12 | N19573 | Blank Off Plate | 2 | 2 | 4 | 4 | 4 | 4 |
| 13 | N19395 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 3 | 4 | 5 | 6 | 7 | 8 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 16 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 16A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 16B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 16C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 17 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 18 | N19410 | Base - Hose Coupler | 1 | 1 | 2 | 2 | 2 | 2 |
| 19 | N19409 | Plate - Mount | 1 | 1 | 2 | 2 | 2 | 2 |
| 20 | N11907 | Plastic Cap - 2 1/2 | 24 | 19 | 16 | 11 | 8 | 3 |
| 21 | N11905 | Hose Clamp - 2 1/2 | 60 | 67 | 76 | 83 | 92 | 99 |
| 22 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 23 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 225 ft | 300 ft | 375 ft | 450 ft | 525 ft | 600 ft |
| 23A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 24 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 9 | 12 | 15 | 18 | 21 | 24 |
| 25 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 75 ft | 100 ft | 125 ft | 150 ft | 175 ft | 200 ft |
| 26 | N19030 | Seal Strip - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 | 2 | 2 | 2 | 2 |
| 27 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 28 | N19449 | Seal Strip - 3/8 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 29 | N15096 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 30 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 30A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 31 | N24396 | Setscrew - 1/4 x 1/2 | 9 | 11 | 14 | 16 | 18 | 20 |
| 32 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 33 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 9 | 12 | 15 | 18 | 21 | 24 |
| 34 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 16 | 16 | 16 | 16 | 16 | 16 |
| 35 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 | 2 | 2 | 2 | 2 |
| 36 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 4 | 4 | 8 | 8 | 8 | 8 |
| 37 | W-521 | Lockwasher - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 38 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 39 | W-523 | Lockwasher - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 40 | W-525 | Lockwasher - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 41 | D-5277 | Serrated Locknut - 1/4 | 12 | 16 | 20 | 24 | 28 | 32 |
| 42 | W-512 | Hex Nut - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 43 | D-5278 | Serrated Locknut - 5/16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 44 | D-5279 | Serrated Locknut - 3/8 | 4 | 4 | 8 | 8 | 8 | 8 |
| 45 | W-514 | Hex Nut - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 46 | N27360 | Wing Nut - 1/2 | 4 | 4 | 4 | 4 | 4 | 4 |
| 47 | W-516 | Hex Nut - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 48 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 2 | 2 | 4 | 4 | 4 |
| 49 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 2 | 2 | 4 | 4 | 4 |
| 50 | N15105 | Support - Bottom - Rod 12 | 2 | 2 | 2 | 0 | 0 | 0 |
| 50A | N19531 | Support - Bottom - Rod 24 | 0 | 0 | 0 | 2 | 2 | 2 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 4 | 4 | 4 | 4 | 4 | 4 |

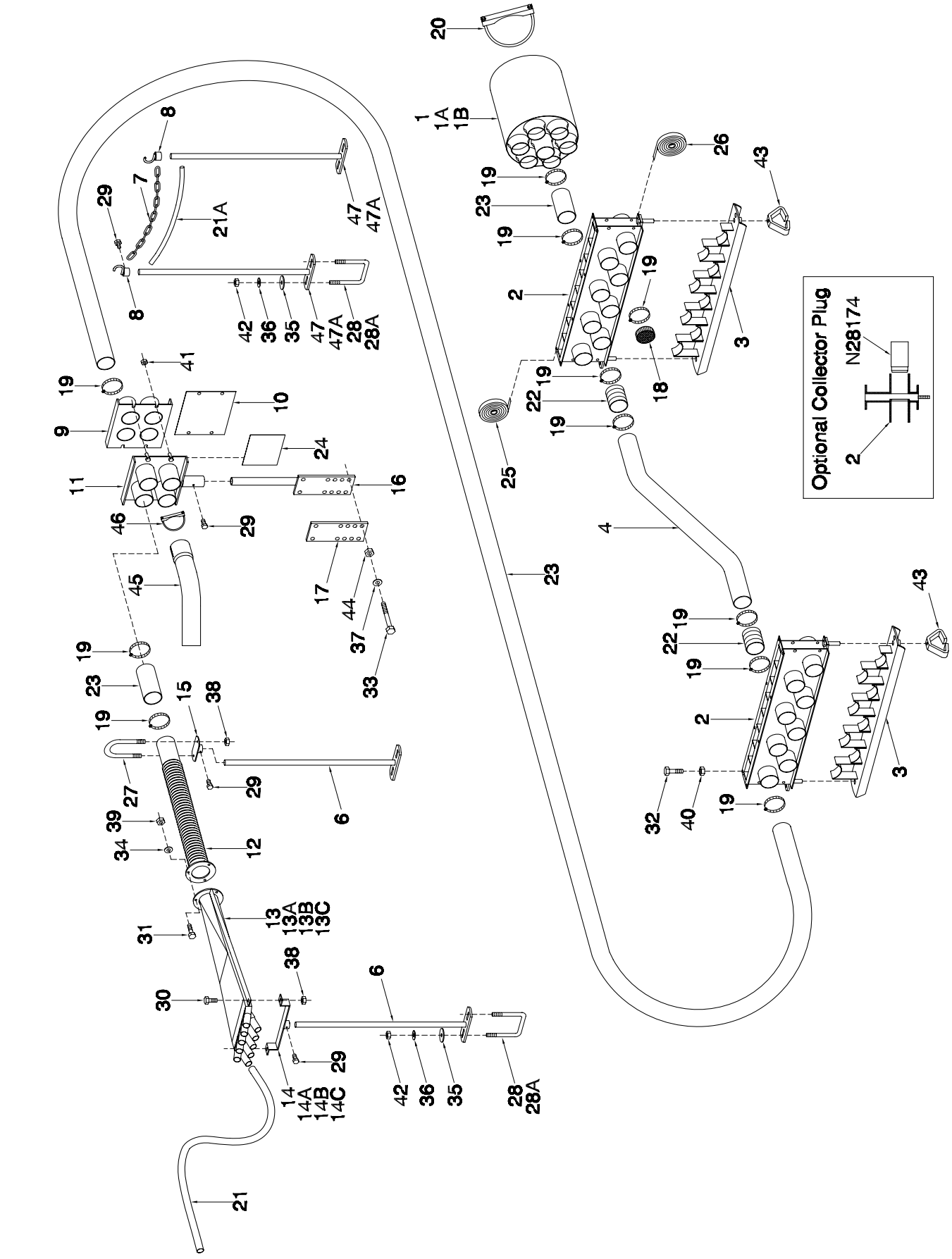
# Distribution
# Single Shoot Tow Behind 7252



## Distribution - Single Shoot Tow Behind 7252

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N19039 | Plenum - 7 Outlet | 1 | 1 | 0 | 0 | 0 | 0 |
| 1A | N19042 | Plenum - 9 Outlet | 0 | 0 | 1 | 1 | 0 | 0 |
| 1B | N19700 | Plenum - 11 Outlet | 0 | 0 | 0 | 0 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | N27045 | Tube - Primary - 43 3/4 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5 | N31536 | Tube - Primary - 47 29/32 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N31537 | Tube - Primary - 57 | 3 | 4 | 5 | 6 | 7 | 8 |
| 7 | N27490 | Mount Plate - Primary Tube - Single | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | N19531 | Support - Bottom - Rod 24 | 6 | 8 | 10 | 12 | 14 | 16 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | N19398 | Coupler Tank - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 12 | N19573 | Blank Off Plate | 2 | 2 | 4 | 4 | 4 | 4 |
| 13 | N19395 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 3 | 4 | 5 | 6 | 7 | 8 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 16 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 16A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 16B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 16C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 17 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 18 | N19410 | Base - Hose Coupler | 1 | 1 | 2 | 2 | 2 | 2 |
| 19 | N19409 | Plate - Mount | 1 | 1 | 2 | 2 | 2 | 2 |
| 20 | N11907 | Plastic Cap - 2 1/2 | 34 | 27 | 22 | 15 | 10 | 3 |
| 21 | N11905 | Hose Clamp - 2 1/2 | 82 | 91 | 102 | 111 | 122 | 131 |
| 22 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 23 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 225 ft | 300 ft | 375 ft | 450 ft | 525 ft | 600 ft |
| 23A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 24 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 15 | 20 | 25 | 30 | 35 | 40 |
| 25 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 75 ft | 100 ft | 125 ft | 150 ft | 175 ft | 200 ft |
| 26 | N19030 | Seal Strip - 1/16 x 6 1/2 x 6 1/2 (Bulk/Ft) | 1 | 1 | 2 | 2 | 2 | 2 |
| 27 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft |
| 28 | N19449 | Seal Strip - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft |
| 29 | N15096 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 30 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 30A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 31 | N24396 | Setscrew - 1/4 x 1/2 | 9 | 11 | 14 | 16 | 18 | 20 |
| 32 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 33 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 9 | 12 | 15 | 18 | 21 | 24 |
| 34 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 | 24 | 24 | 24 | 24 |
| 35 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 | 2 | 2 | 2 | 2 |
| 36 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 4 | 4 | 8 | 8 | 8 | 8 |
| 37 | W-521 | Lockwasher - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 38 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 39 | W-523 | Lockwasher - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 40 | W-525 | Lockwasher - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 41 | D-5277 | Serrated Locknut - 1/4 | 12 | 16 | 20 | 24 | 28 | 32 |
| 42 | W-512 | Hex Nut - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 43 | D-5278 | Serrated Locknut - 5/16 | 24 | 24 | 24 | 24 | 24 | 24 |
| 44 | D-5279 | Serrated Locknut - 3/8 | 4 | 4 | 8 | 8 | 8 | 8 |
| 45 | W-514 | Hex Nut - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 46 | N27360 | Wing Nut - 1/2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 47 | W-516 | Hex Nut - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 48 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 2 | 2 | 4 | 4 | 4 |
| 49 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 2 | 2 | 4 | 4 | 4 |
| 50 | N15105 | Support - Bottom - Rod 12 | 2 | 2 | 2 | 0 | 0 | 0 |
| 50A | N19531 | Support - Bottom - Rod 24 | 0 | 0 | 0 | 2 | 2 | 2 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 | 6 | 6 | 6 | 6 |

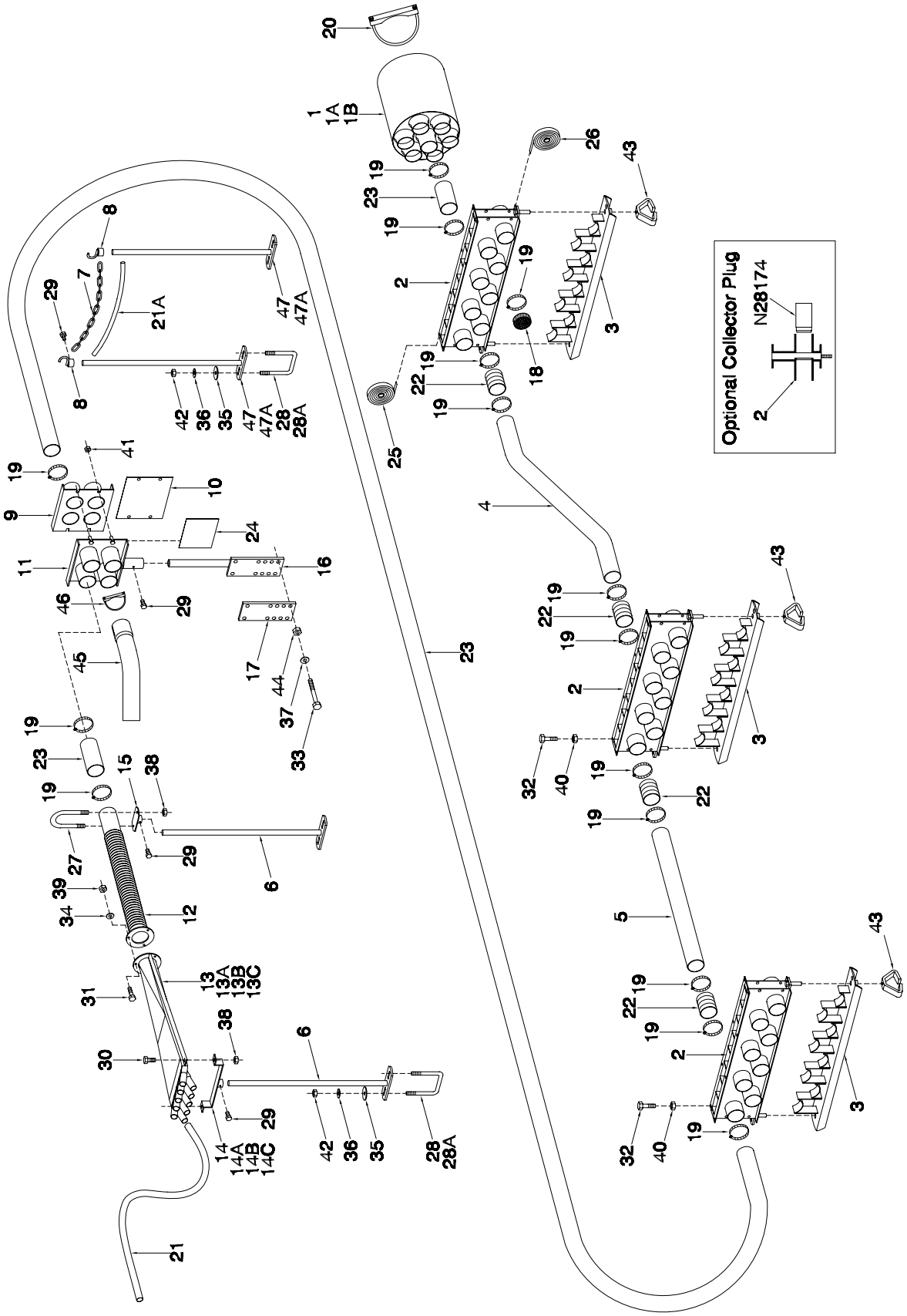
# Distribution
## Single Shoot Tow Between



## Distribution - Single Shoot Tow Between

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N19039 | Plenum - 7 Outlet | 1 | 1 | 0 | 0 | 0 | 0 |
| 1A | N19042 | Plenum - 9 Outlet | 0 | 0 | 1 | 1 | 0 | 0 |
| 1B | N19700 | Plenum - 11 Outlet | 0 | 0 | 0 | 0 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | N27045 | Tube - Primary - 43 3/4 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N27050 | Tube - Primary - 55 3/4 7240 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N19531 | Support - Bottom - Rod 24 | 6 | 8 | 10 | 12 | 14 | 16 |
| 7 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 9 | N19398 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 10 | N19573 | Blank Off Plate | 2 | 2 | 4 | 4 | 4 | 4 |
| 11 | N19395 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 12 | N15135 | Pipe - Corr Diff - Divider Head | 3 | 4 | 5 | 6 | 7 | 8 |
| 13 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 13A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 13B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 13C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 14 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 14A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 14B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 14C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 15 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 16 | N19575 | Base - Hose Coupler - Straight | 1 | 1 | 2 | 2 | 2 | 2 |
| 17 | N19409 | Plate - Mount | 1 | 1 | 2 | 2 | 2 | 2 |
| 18 | N11907 | Plastic Cap - 2 1/2 | 24 | 19 | 16 | 11 | 8 | 3 |
| 19 | N11905 | Hose Clamp - 2 1/2 | 54 | 59 | 66 | 71 | 78 | 83 |
| 20 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 21 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 225 ft | 300 ft | 375 ft | 450 ft | 525 ft | 600 ft |
| 21A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 22 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 23 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 75 ft | 100 ft | 125 ft | 150 ft | 175 ft | 200 ft |
| 24 | N19030 | Seal Strip - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 | 2 | 2 | 2 | 2 |
| 25 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 26 | N19449 | Seal Strip - 3/8 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 27 | N15096 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 28 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 28A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 29 | N24396 | Setscrew - 1/4 x 1/2 | 9 | 11 | 14 | 16 | 18 | 20 |
| 30 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 31 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 9 | 12 | 15 | 18 | 21 | 24 |
| 32 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 16 | 16 | 16 | 16 | 16 | 16 |
| 33 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 4 | 4 | 8 | 8 | 8 | 8 |
| 34 | W-521 | Lockwasher - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 35 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 36 | W-523 | Lockwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 37 | W-525 | Lockwasher - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 38 | D-5277 | Serrated Locknut - 1/4 | 12 | 16 | 20 | 24 | 28 | 32 |
| 39 | W-512 | Hex Nut - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 40 | D-5278 | Serrated Locknut - 5/16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 41 | D-5279 | Serrated Locknut - 3/8 | 4 | 4 | 8 | 8 | 8 | 8 |
| 42 | W-514 | Hex Nut - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 43 | N27360 | Wing Nut - 1/2 | 4 | 4 | 4 | 4 | 4 | 4 |
| 44 | W-516 | Hex Nut - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 45 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 2 | 2 | 4 | 4 | 4 |
| 46 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 2 | 2 | 4 | 4 | 4 |
| 47 | N15105 | Support - Bottom - Rod 12 | 2 | 2 | 2 | 0 | 0 | 0 |
| 47A | N19531 | Support - Bottom - Rod 24 | 0 | 0 | 0 | 2 | 2 | 2 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 4 | 4 | 4 | 4 | 4 | 4 |

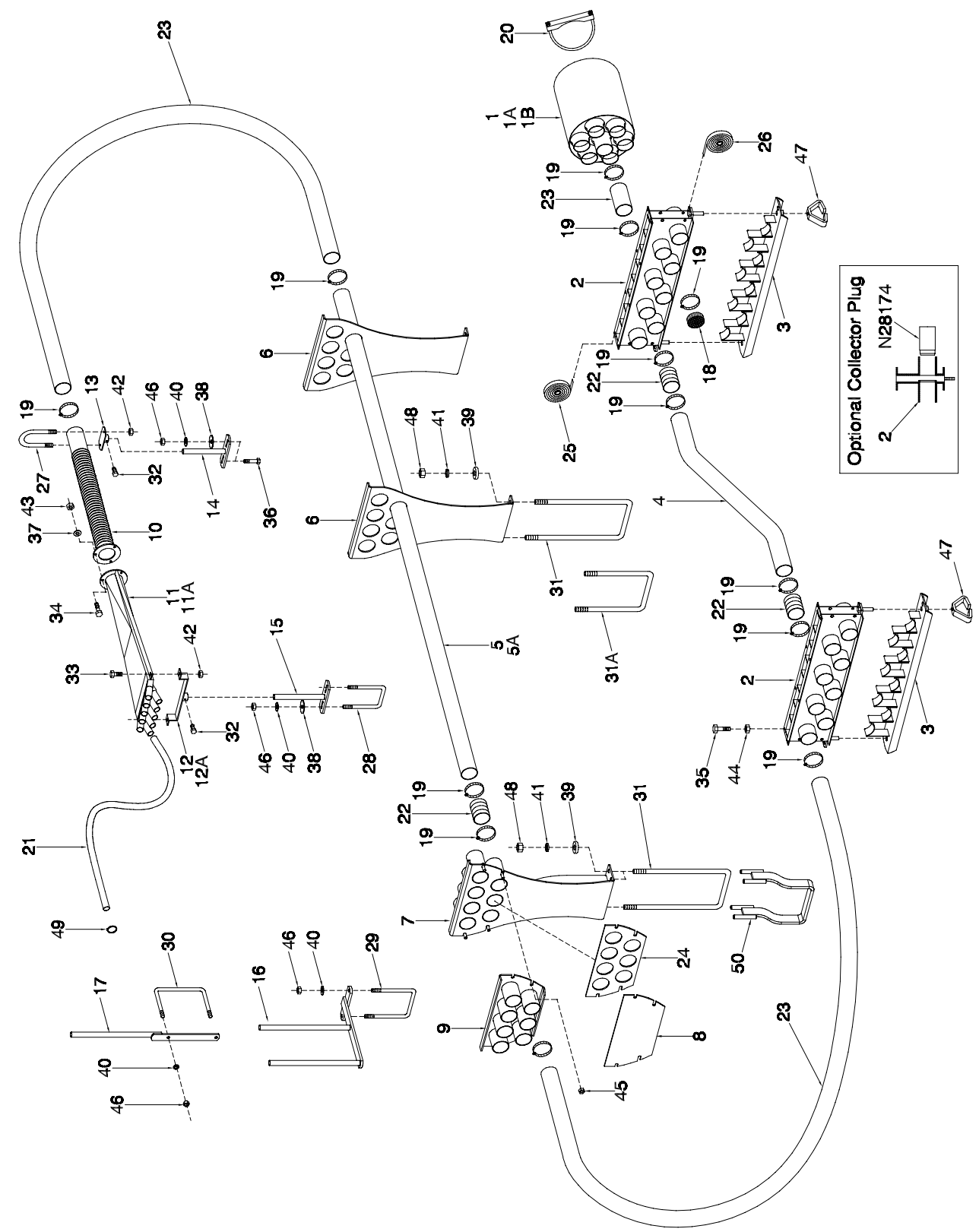
# Distribution
# Single Shoot Tow Between 7252



## Distribution - Single Shoot Tow Between 7252

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N19039 | Plenum - 7 Outlet | 1 | 1 | 0 | 0 | 0 | 0 |
| 1A | N19042 | Plenum - 9 Outlet | 0 | 0 | 1 | 1 | 0 | 0 |
| 1B | N19700 | Plenum - 11 Outlet | 0 | 0 | 0 | 0 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | N27045 | Tube - Primary - 43 3/4 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5 | N31537 | Tube - Primary - 57 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N19531 | Support - Bottom - Rod 24 | 8 | 10 | 12 | 14 | 16 | 18 |
| 7 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 9 | N19398 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 10 | N19573 | Blank Off Plate | 2 | 2 | 4 | 4 | 4 | 4 |
| 11 | N19395 | Coupler - Hose | 1 | 1 | 2 | 2 | 2 | 2 |
| 12 | N15135 | Pipe - Corr Diff - Divider Head | 3 | 4 | 5 | 6 | 7 | 8 |
| 13 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 13A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 13B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 13C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 14 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 14A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 14B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 14C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 15 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 16 | N19575 | Base - Hose Coupler - Straight | 1 | 1 | 2 | 2 | 2 | 2 |
| 17 | N19409 | Plate - Mount | 1 | 1 | 2 | 2 | 2 | 2 |
| 18 | N11907 | Plastic Cap - 2 1/2 | 34 | 27 | 22 | 15 | 10 | 3 |
| 19 | N11905 | Hose Clamp - 2 1/2 | 76 | 83 | 92 | 99 | 108 | 115 |
| 20 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 21 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 225 ft | 300 ft | 375 ft | 450 ft | 525 ft | 600 ft |
| 21A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 22 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 12 | 16 | 20 | 24 | 28 | 32 |
| 23 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 75 ft | 100 ft | 125 ft | 150 ft | 175 ft | 200 ft |
| 24 | N19030 | Seal Strip - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 | 2 | 2 | 2 | 2 |
| 25 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft |
| 26 | N19449 | Seal Strip - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft |
| 27 | N15096 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 28 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 28A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 29 | N24396 | Setscrew - 1/4 x 1/2 | 9 | 11 | 14 | 16 | 18 | 20 |
| 30 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 31 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 9 | 12 | 15 | 18 | 21 | 24 |
| 32 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 | 24 | 24 | 24 | 24 |
| 33 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 4 | 4 | 8 | 8 | 8 | 8 |
| 34 | W-521 | Lockwasher - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 35 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 36 | W-523 | Lockwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 37 | W-525 | Lockwasher - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 38 | D-5277 | Serrated Locknut - 1/4 | 12 | 16 | 20 | 24 | 28 | 32 |
| 39 | W-512 | Hex Nut - 1/4 | 9 | 12 | 15 | 18 | 21 | 24 |
| 40 | D-5278 | Serrated Locknut - 5/16 | 24 | 24 | 24 | 24 | 24 | 24 |
| 41 | D-5279 | Serrated Locknut - 3/8 | 4 | 4 | 8 | 8 | 8 | 8 |
| 42 | W-514 | Hex Nut - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 43 | N27360 | Wing Nut - 1/2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 44 | W-516 | Hex Nut - 1/2 | 4 | 4 | 8 | 8 | 8 | 8 |
| 45 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 2 | 2 | 4 | 4 | 4 |
| 46 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 2 | 2 | 4 | 4 | 4 |
| 47 | N15105 | Support - Bottom - Rod 12 | 2 | 2 | 2 | 0 | 0 | 0 |
| 47A | N19531 | Support - Bottom - Rod 24 | 0 | 0 | 0 | 2 | 2 | 2 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 | 6 | 6 | 6 | 6 |

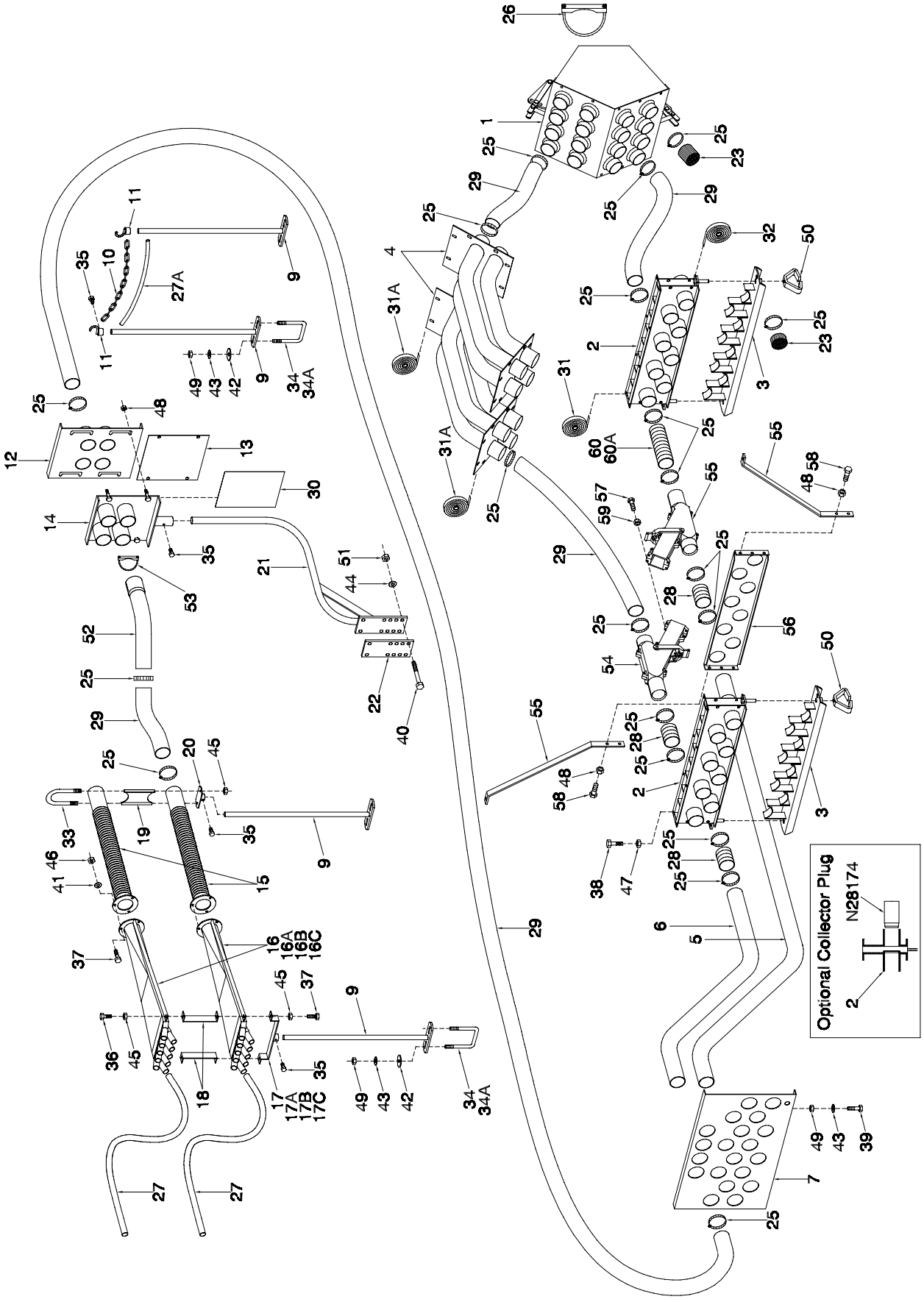
# Distribution
## Single Shoot Tow Between Xpress



## Distribution - Single Shoot Tow Between Xpress

| Item | Part No. | Description | No: Used 36 R | 48 R | 64 R |
|---|---|---|---|---|---|
| 1 | N19039 | Plenum - 7 Outlet | 1 | 0 | 0 |
| 1A | N19042 | Plenum - 9 Outlet | 0 | 1 | 0 |
| 1B | N19700 | Plenum - 11 Outlet | 0 | 0 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 2 | 2 | 2 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 2 | 2 | 2 |
| 4 | N27045 | Tube - Primary - 43 3/4 (7180) | 4 | 5 | 7 |
| | N27050 | Tube - Primary - 55 3/4 (72400) | 4 | 5 | 7 |
| 5 | N34033 | Tube - Primary - 168 (30 ft Drill Unit) | 4 | 5 | 7 |
| | N34021 | Tube - Primary - 240 (40 ft Drill Unit) | 4 | 5 | 7 |
| 6 | N34010 | Support - Hose | 2 | 2 | 2 |
| 7 | N34012 | Coupler - Hose | 1 | 1 | 1 |
| 8 | N34011 | Blank Off Plate | 2 | 2 | 2 |
| 9 | N34008 | Coupler - Hose | 1 | 1 | 1 |
| 10 | N15135 | Pipe - Corr Diff - Divider Head | 4 | 5 | 7 |
| 11 | N31190 | Divider Assembly - 10 Outlet | 0 | 3 | 1 |
| 11A | N31189 | Divider Assembly - 9 Outlet | 4 | 2 | 6 |
| 12 | N19406 | Support - 10 Outlet | 0 | 3 | 1 |
| 12A | N15595 | Support - 9 Outlet | 4 | 2 | 6 |
| 13 | N15102 | Support - Rear | 4 | 5 | 7 |
| 14 | N34355 | Support - Bottom - 6 1/4 | 0 | 1 | 1 |
| 15 | N34356 | Support - Bottom - 7 1/2 | 0 | 1 | 1 |
| 16 | N34015 | Support - Bottom | 2 | 2 | 2 |
| 17 | N34056 | Support - Bottom | 4 | 4 | 8 |
| 18 | N11907 | Plastic Cap - 2 1/2 | 19 | 16 | 8 |
| 19 | N11905 | Hose Clamp - 2 1/2 | 67 | 76 | 92 |
| 20 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 |
| 21 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 225 ft | 375 ft | 525 ft |
| 22 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 12 | 15 | 21 |
| 23 | R480055 | Hose - 2 1/2 ID/ft (100 ft rolls) | 100 ft | 125 ft | 175 ft |
| 24 | N19030 | Seal Strip - 1/16 x 6 1/2 x 13 (Bulk/ft) | 1 | 1 | 1 |
| 25 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft |
| 26 | N19449 | Seal Strip - 3/8 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft |
| 27 | N15096 | U-Bolt - 1/4 x 2 9/16 | 4 | 5 | 7 |
| 28 | N34024 | U-Bolt - 3/8 x 2 x 6 | 0 | 1 | 1 |
| 29 | N34025 | U-Bolt - 3/8 x 5 x 8 | 2 | 2 | 2 |
| 30 | N31209 | U-Bolt - 3/8 x 7 x 8 | 4 | 4 | 8 |
| 31 | N34023 | U-Bolt - 1/2 x 6 x 11 (40 ft Drill Unit) | 4 | 4 | 4 |
| 31A | N34291 | U-Bolt - 1/2 x 6 x 9 (30 ft Drill Unit ) | 2 | 2 | 2 |
| 32 | N24396 | Setscrew - 1/4 x 1/2 | 8 | 10 | 14 |
| 33 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 8 | 10 | 14 |
| 34 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 12 | 15 | 21 |
| 35 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 16 | 16 | 16 |
| 36 | W-480 | Hex Bolt - 3/8 x 2 1/2 Lg | 0 | 2 | 2 |
| 37 | W-521 | Lockwasher - 1/4 | 12 | 15 | 21 |
| 38 | D-5579 | Flatwasher - 3/8 | 4 | 4 | 4 |
| 39 | S-751 | Flatwasher - 1/2 | 6 | 6 | 6 |
| 40 | W-523 | Lockwasher - 3/8 | 12 | 16 | 24 |
| 41 | W-525 | Lockwasher - 1/2 | 6 | 6 | 6 |
| 42 | D-5277 | Serrated Locknut - 1/4 | 16 | 20 | 28 |
| 43 | W-512 | Hex Nut - 1/4 | 12 | 15 | 21 |
| 44 | D-5278 | Serrated Locknut - 5/16 | 16 | 16 | 16 |
| 45 | D-5279 | Serrated Locknut - 3/8 | 4 | 4 | 4 |
| 46 | W-514 | Hex Nut - 3/8 | 12 | 16 | 24 |
| 47 | N27360 | Wing Nut - 1/2 | 4 | 4 | 4 |
| 48 | W-516 | Hex Nut - 1/2 | 6 | 6 | 6 |
| 49 | N11470 | Hose Clamp | 36 | 48 | 64 |
| 50 | N34290 | U-Bolt Mount Strap (30 ft Drill Unit) | 1 | 1 | 1 |
| | N19000 | Decal - “AIRFLOW ARROW” | 4 | 4 | 4 |

# Distribution
# Dual Shoot Tow Behind



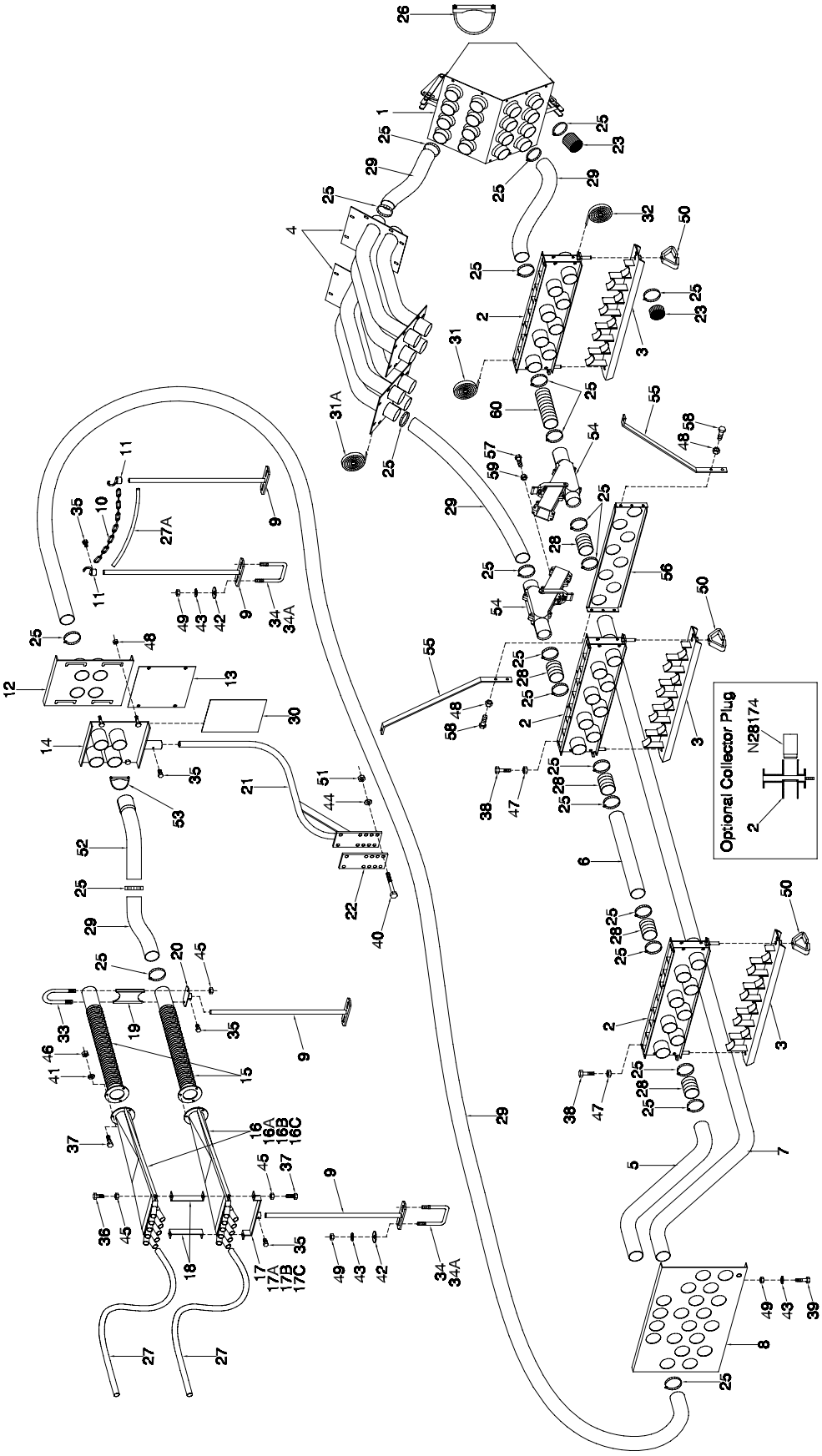
## Distribution - Dual Shoot Tow Behind

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N28824 | Plenum Assembly - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | N27450 | Pipe Housing - Dual Shoot 7130 / 7180 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N27460 | Pipe Housing - Dual Shoot 7240 / 7300 - Prior June 2007 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N44140 | Pipe Housing - Dual Shoot 7240 - From June 2007 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | N27335 | Tube - Primary - 102 7130 / 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N33362 | Tube - Primary - 124 7180LT | 3 | 4 | 5 | 6 | 7 | 8 |
| | N27345 | Tube - Primary - 112 7240 / 7300 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N27330 | Tube - Primary - 79 7130 / 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N33361 | Tube - Primary - 99 7180LT | 3 | 4 | 5 | 6 | 7 | 8 |
| | N27340 | Tube - Primary - 88 7240 / 7300 | 3 | 4 | 5 | 6 | 7 | 8 |
| 7 | N27495 | Mount Plate - Primary Tube - Dual | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | N19531 | Support - Bottom - Rod 24 | 8 | 10 | 12 | 14 | 16 | 18 |
| 10 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 12 | N27719 | Coupler - Hose - Tank - Dual | 2 | 2 | 3 | 3 | 4 | 4 |
| 13 | N27721 | Cover Plate - Coupler - Dual | 4 | 4 | 6 | 6 | 8 | 8 |
| 14 | N28811 | Coupler - Hose - Seeder - Dual | 2 | 2 | 3 | 3 | 4 | 4 |
| 15 | N15135 | Pipe - Corr Diff - Divider Head | 6 | 8 | 10 | 12 | 14 | 16 |
| 16 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 16A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 16B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 16C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 17 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 17A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 17B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 17C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 18 | N16689 | Bracket Front - Dual Shoot Heads | 6 | 8 | 10 | 12 | 14 | 16 |
| 19 | N16507 | Spacer - Rear - Dual Shoot Heads | 3 | 4 | 5 | 6 | 7 | 8 |
| 20 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 21 | N19410 | Base - Hose Coupler | 2 | 2 | 3 | 3 | 4 | 4 |
| 22 | N19409 | Plate - Mount | 2 | 2 | 3 | 3 | 4 | 4 |
| 23 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 40 | 32 | 24 | 16 | 8 | |
| 25 | N11905 | Hose Clamp - 2 1/2 Dia | 106 | 120 | 134 | 148 | 162 | 176 |
| 26 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 450 ft | 600 ft | 750 ft | 900 ft | 1050 ft | 1200 ft |
| 27A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 28 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 9 | 12 | 15 | 18 | 21 | 24 |
| 29 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 150 ft | 200 ft | 250 ft | 300 ft | 350 ft | 400ft |
| 30 | N28302 | Seal - 1/16 x 8 x 10 (Bulk/ft) | 2 | 2 | 3 | 3 | 4 | 4 |
| 31 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 31A | N15716 | Seal - 1/4 x 1 x 38 (Bulk/ft) | 4 | 4 | 4 | 4 | 4 | 4 |
| 32 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 33 | N16504 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 10 | 12 | 15 | 17 | 20 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 24 | 32 | 40 | 48 | 56 | 64 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 16 | 16 | 16 | 16 | 16 | 16 |
| 39 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 | 2 | 2 | 2 | 2 |
| 40 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 8 | 8 | 12 | 12 | 16 | 16 |
| 41 | W-521 | Lockwasher - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 42 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 43 | W-523 | Lockwasher - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 44 | W-525 | Lockwasher - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |

## Distribution - Dual Shoot Tow Behind

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 46 | W-512 | Hex Nut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 12 | 12 | 16 | 16 | 20 | 20 |
| 49 | W-514 | Hex Nut - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 50 | N27360 | Wing Nut - 1/2 | 4 | 4 | 4 | 4 | 4 | 4 |
| 51 | W-516 | Hex Nut - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | - | 4 | 4 | 8 | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | - | 4 | 4 | 8 | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 6 | 8 | 10 | 12 | 14 | 16 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 | 2 | 2 | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 57 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 24 | 32 | 40 | 48 | 56 | 64 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 | 4 | 4 | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 24 | 32 | 40 | 48 | 56 | 64 |
| 60 | N29061 | Hose - 2 1/2 Dia x 17 Lg 7130 / 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| 60A | N29062 | Hose - 2 1/2 Dia x 29 Lg 7240 / 7300 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 4 | 4 | 4 | 4 | 4 | 4 |

# Distribution
# Dual Shoot Tow Behind 7252



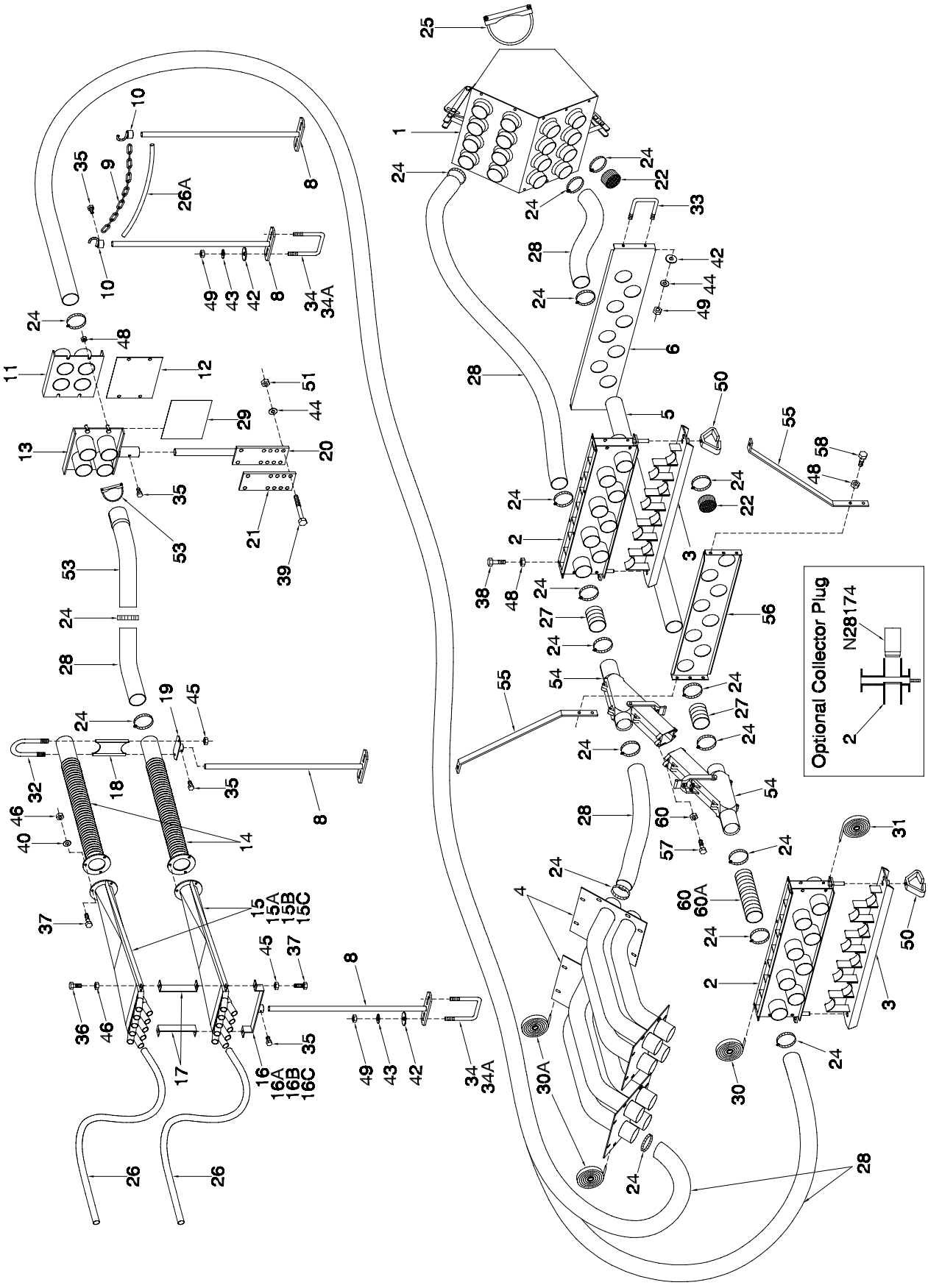
## Distribution - Dual Shoot Tow Behind 7252

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N28824 | Plenum Assembly - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | N31536 | Tube - Primary - 47 29/32 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N31537 | Tube - Primary - 57 | 3 | 4 | 5 | 6 | 7 | 8 |
| 7 | N31538 | Tube - Primary - 139 3/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | N27495 | Mount Plate - Primary Tube - Dual | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | N19531 | Support - Bottom - Rod 24 | 8 | 10 | 12 | 14 | 16 | 18 |
| 10 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 12 | N27719 | Coupler - Hose - Tank - Dual | 2 | 2 | 3 | 3 | 4 | 4 |
| 13 | N27721 | Cover Plate - Coupler - Dual | 4 | 4 | 6 | 6 | 8 | 8 |
| 14 | N28811 | Coupler - Hose - Seeder - Dual | 2 | 2 | 3 | 3 | 4 | 4 |
| 15 | N15135 | Pipe - Corr Diff - Divider Head | 6 | 8 | 10 | 12 | 14 | 16 |
| 16 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 16A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 16B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 16C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 17 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 17A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 17B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 17C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 18 | N16689 | Bracket Front - Dual Shoot Heads | 6 | 8 | 10 | 12 | 14 | 16 |
| 19 | N16507 | Spacer - Rear - Dual Shoot Heads | 3 | 4 | 5 | 6 | 7 | 8 |
| 20 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 21 | N19410 | Base - Hose Coupler | 2 | 2 | 3 | 3 | 4 | 4 |
| 22 | N19409 | Plate - Mount | 2 | 2 | 3 | 3 | 4 | 4 |
| 23 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 50 | 40 | 30 | 20 | 10 | |
| 25 | N11905 | Hose Clamp - 2 1/2 Dia | 128 | 144 | 160 | 176 | 192 | 208 |
| 26 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 450 ft | 600 ft | 750 ft | 900 ft | 1050 ft | 1200ft |
| 27A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 28 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 15 | 20 | 25 | 30 | 35 | 40 |
| 29 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 150 ft | 200 ft | 250 ft | 300 ft | 350 ft | 400 ft |
| 30 | N28302 | Seal - 1/16 x 8 x 10 (Bulk/ft) | 2 | 2 | 3 | 3 | 4 | 4 |
| 31 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft | 12.5 ft | 12.5 ft | 12.5 ft | 12.5 ft |
| 31A | N15716 | Seal - 1/4 x 1 x 38 (Bulk/ft) | 6 | 6 | 6 | 6 | 6 | 6 |
| 32 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft |
| 33 | N16504 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 10 | 12 | 15 | 17 | 20 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 24 | 32 | 40 | 48 | 56 | 64 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 | 24 | 24 | 24 | 24 |
| 39 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 | 2 | 2 | 2 | 2 |
| 40 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 8 | 8 | 12 | 12 | 16 | 16 |
| 41 | W-521 | Lockwasher - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 42 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 43 | W-523 | Lockwasher - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 44 | W-525 | Lockwasher - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |

## Distribution - Dual Shoot Tow Behind 7252

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 45 | D-5277 | Serrated Locknut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 46 | W-512 | Hex Nut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 24 | 24 | 24 | 24 | 24 | 24 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 12 | 12 | 16 | 16 | 20 | 20 |
| 49 | W-514 | Hex Nut - 3/8 | 18 | 22 | 26 | 30 | 34 | 38 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 4 | 4 | 8 | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 4 | 4 | 8 | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 6 | 8 | 10 | 12 | 14 | 16 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 | 2 | 2 | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 57 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 12 | 16 | 20 | 24 | 28 | 32 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 | 4 | 4 | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 12 | 16 | 20 | 24 | 28 | 32 |
| 60 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 3 | 4 | 5 | 6 | 7 | 8 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 | 6 | 6 | 6 | 6 |

# Distribution
## Dual Shoot Tow Between



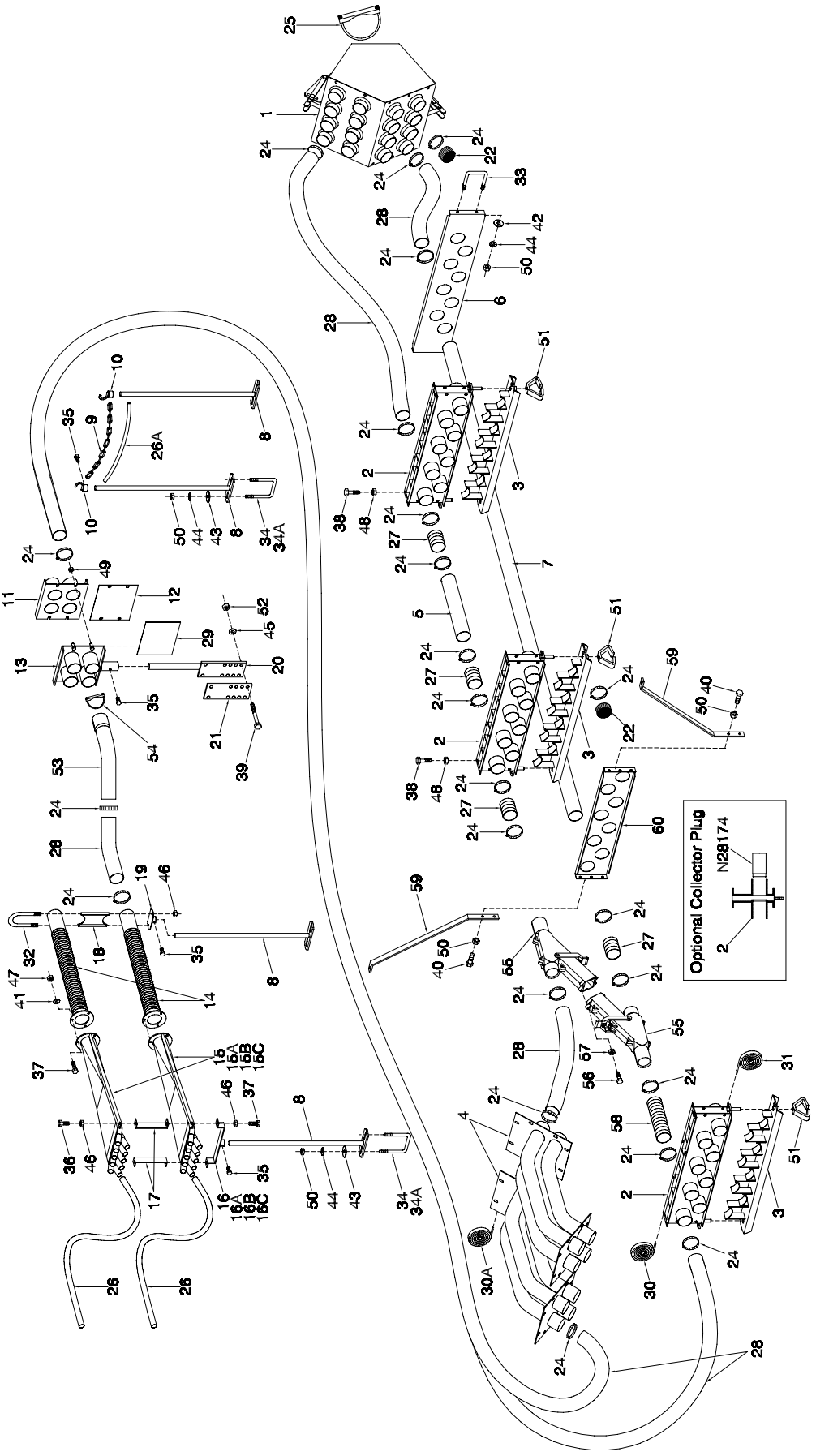
## Distribution - Dual Shoot Tow Between

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N28824 | Plenum Assembly - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | N27450 | Pipe Housing - Dual Shoot 7180 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N27460 | Pipe Housing - Dual Shoot 7240 - Prior to June 2007 | 2 | 2 | 2 | 2 | 2 | 2 |
| | N44140 | Pipe Housing - Dual Shoot 7240 - June 2007 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | N28825 | Tube - Primary - 31 1/8 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N27707 | Mount Plate - Dual Between 7180 | 1 | 1 | 1 | 1 | 1 | 1 |
| | N27872 | Mount Plate - Dual Between 7240 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | N19531 | Support - Bottom - Rod 24 | 8 | 10 | 12 | 14 | 16 | 18 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | N19398 | Coupler - Hose - Tank | 2 | 2 | 3 | 3 | 4 | 4 |
| 12 | N19573 | Blank Off Plate | 4 | 4 | 6 | 6 | 8 | 8 |
| 13 | N19395 | Coupler - Hose - Seeder | 2 | 2 | 3 | 3 | 4 | 4 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 6 | 8 | 10 | 12 | 14 | 16 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 16 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 16A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 16B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 16C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 17 | N16689 | Bracket Front - Dual Shoot Heads | 6 | 8 | 10 | 12 | 14 | 16 |
| 18 | N16507 | Spacer - Rear - Dual Shoot Heads | 3 | 4 | 5 | 6 | 7 | 8 |
| 19 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 20 | N19575 | Base - Hose Coupler - Straight | 2 | 2 | 3 | 3 | 4 | 4 |
| 21 | N19409 | Plate - Mount | 2 | 2 | 3 | 3 | 4 | 4 |
| 22 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 40 | 32 | 24 | 16 | 8 | |
| 24 | N11905 | Hose Clamp - 2 1/2 Dia | 100 | 112 | 124 | 136 | 148 | 160 |
| 25 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 450 ft | 600 ft | 750 ft | 900 ft | 1050 ft | 1200ft |
| 26A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 27 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 28 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 150 ft | 200 ft | 250 ft | 300 ft | 350 ft | 400 ft |
| 29 | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 2 | 2 | 3 | 3 | 4 | 4 |
| 30 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 30A | N15716 | Seal - 1/4 x 1 x 38 (Bulk/ft) | 4 | 4 | 4 | 4 | 4 | 4 |
| 31 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft | 10 ft |
| 32 | N16504 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 33 | N27709 | U-Bolt - 3/8 x 3 3/8 x 2 3/4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 35 | N24396 | Setscrew - 1/4 x1/2 Lg | 10 | 12 | 15 | 17 | 20 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 24 | 32 | 40 | 48 | 56 | 64 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 16 | 16 | 16 | 16 | 16 | 16 |
| 39 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 8 | 8 | 12 | 12 | 16 | 16 |
| 40 | W-521 | Lockwasher - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 41 | D-5489 | Flatwasher - 3/8 | 4 | 4 | 4 | 4 | 4 | 4 |
| 42 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 43 | W-523 | Lockwasher - 3/8 | 20 | 24 | 28 | 32 | 36 | 40 |

## Distribution - Tow Between Dual Shoot

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 44 | W-525 | Lockwasher - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 46 | W-512 | Hex Nut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 12 | 12 | 16 | 16 | 20 | 20 |
| 49 | W-514 | Hex Nut - 3/8 | 20 | 24 | 28 | 32 | 36 | 40 |
| 50 | N27360 | Wing Nut - 1/2 | 4 | 4 | 4 | 4 | 4 | 4 |
| 51 | W-516 | Hex Nut - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 4 | 4 | 8 | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 4 | 4 | 8 | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 6 | 8 | 10 | 12 | 14 | 16 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 | 2 | 2 | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 57 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 24 | 32 | 40 | 48 | 56 | 64 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 | 4 | 4 | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 24 | 32 | 40 | 48 | 56 | 64 |
| 60 | N29061 | Hose - 2 1/2 Dia x 17 Lg 7180 | 3 | 4 | 5 | 6 | 7 | 8 |
| 60A | N29062 | Hose - 2 1/2 Dia x 29 Lg 7240 | 3 | 4 | 5 | 6 | 7 | 8 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 4 | 4 | 4 | 4 | 4 | 4 |

# Distribution
# Dual Shoot Tow Between 7252



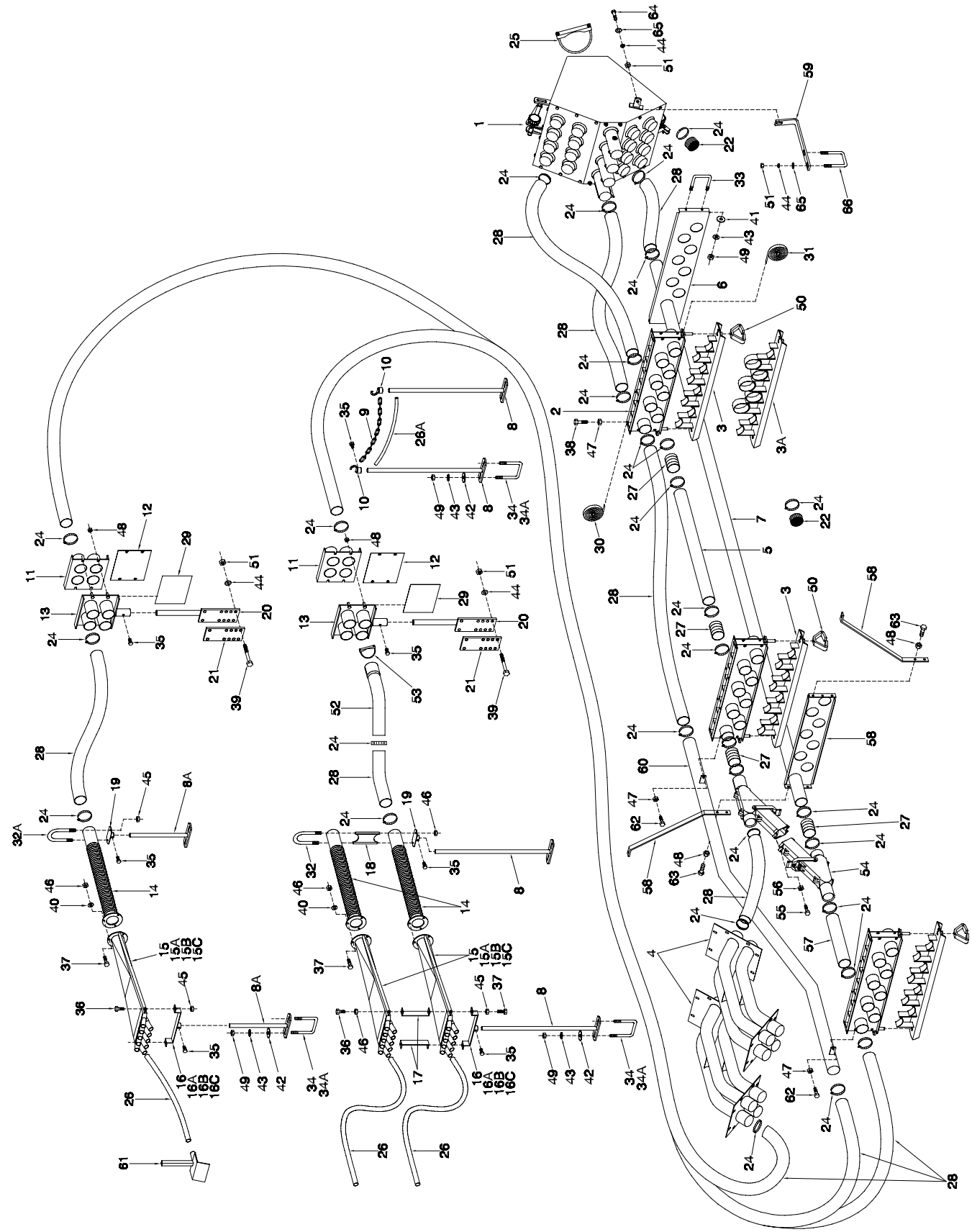
## Distribution - Dual Shoot Tow Between 7252

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 1 | N28824 | Plenum Assembly - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | N31537 | Tube - Primary - 57 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6 | N27872 | Mount Plate - Dual Between | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | N31539 | Tube - Primary - 87 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | N19531 | Support - Bottom - Rod 24 | 8 | 10 | 12 | 14 | 16 | 18 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | N19398 | Coupler - Hose - Tank | 2 | 2 | 3 | 3 | 4 | 4 |
| 12 | N19573 | Blank Off Plate | 4 | 4 | 6 | 6 | 8 | 8 |
| 13 | N19395 | Coupler - Hose - Seeder | 2 | 2 | 3 | 3 | 4 | 4 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 6 | 8 | 10 | 12 | 14 | 16 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 16 | N19406 | Support - 10 Outlet | As req | As req | As req | As req | As req | As req |
| 16A | N15595 | Support - 9 Outlet | As req | As req | As req | As req | As req | As req |
| 16B | N15107 | Support - 8 Outlet | As req | As req | As req | As req | As req | As req |
| 16C | N15594 | Support - 7 Outlet | As req | As req | As req | As req | As req | As req |
| 17 | N16689 | Bracket Front - Dual Shoot Heads | 6 | 8 | 10 | 12 | 14 | 16 |
| 18 | N16507 | Spacer - Rear - Dual Shoot Heads | 3 | 4 | 5 | 6 | 7 | 8 |
| 19 | N15102 | Support - Rear | 3 | 4 | 5 | 6 | 7 | 8 |
| 20 | N19575 | Base - Hose Coupler - Straight | 2 | 2 | 3 | 3 | 4 | 4 |
| 21 | N19409 | Plate - Mount | 2 | 2 | 3 | 3 | 4 | 4 |
| 22 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 50 | 40 | 30 | 20 | 10 | |
| 24 | N11905 | Hose Clamp - 2 1/2 Dia | 122 | 136 | 150 | 164 | 178 | 198 |
| 25 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 450 ft | 600 ft | 750 ft | 900 ft | 1050 ft | 1200ft |
| 26A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft | 1.5 ft |
| 27 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 12 | 16 | 20 | 24 | 28 | 32 |
| 28 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 150 ft | 200 ft | 250 ft | 300 ft | 350 ft | 400 ft |
| 29 | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 2 | 2 | 3 | 3 | 4 | 4 |
| 30 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft | 12.5 ft | 12.5 ft | 12.5 ft | 12.5 ft |
| 30A | N15716 | Seal - 1/4 x 1 x 38 (Bulk/ft) | 6 | 6 | 6 | 6 | 6 | 6 |
| 31 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft | 15 ft |
| 32 | N16504 | U-Bolt - 1/4 x 2 9/16 | 3 | 4 | 5 | 6 | 7 | 8 |
| 33 | N27709 | U-Bolt - 3/8 x 3 3/8 x 2 3/4 | 2 | 2 | 2 | 2 | 2 | 2 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 8 | 10 | 12 | 14 | 16 | 18 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 10 | 12 | 15 | 17 | 20 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 6 | 8 | 10 | 12 | 14 | 16 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 24 | 32 | 40 | 48 | 56 | 64 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 | 24 | 24 | 24 | 24 |
| 39 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 8 | 8 | 12 | 12 | 16 | 16 |
| 40 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 | 4 | 4 | 4 | 4 |
| 41 | W-521 | Lockwasher - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 42 | D-5489 | Flatwasher - 3/8 | 4 | 4 | 4 | 4 | 4 | 4 |
| 43 | D-5579 | Flatwasher - 3/8 | 16 | 20 | 24 | 28 | 32 | 36 |
| 44 | W-523 | Lockwasher - 3/8 | 20 | 24 | 28 | 32 | 36 | 40 |

## Distribution -Dual Shoot Tow Between 7252

| Item | Part No. | Description | No: Used | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 21-30 Runs | 31-40 Runs | 41-50 Runs | 51-60 Runs | 61-70 Runs | 71-80 Runs |
| 45 | W-525 | Lockwasher - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 46 | D-5277 | Serrated Locknut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 47 | W-512 | Hex Nut - 1/4 | 18 | 24 | 30 | 36 | 42 | 48 |
| 48 | D-5278 | Serrated Locknut - 5/16 | 24 | 24 | 24 | 24 | 24 | 24 |
| 49 | D-5279 | Serrated Locknut - 3/8 | 12 | 12 | 16 | 16 | 20 | 20 |
| 50 | W-514 | Hex Nut - 3/8 | 26 | 30 | 34 | 38 | 42 | 46 |
| 51 | N27360 | Wing Nut - 1/2 | 6 | 6 | 6 | 6 | 6 | 6 |
| 52 | W-516 | Hex Nut - 1/2 | 8 | 8 | 12 | 12 | 16 | 16 |
| 53 | N27329 | Tube - Primary - 45 degree Elbow | 0 | 4 | 4 | 8 | 8 | 8 |
| 54 | N15022 | Clamp - Muffler - 2 1/2 Dia | 0 | 4 | 4 | 8 | 8 | 8 |
| 55 | N30068 | Diverter Valve Assembly | 6 | 8 | 10 | 12 | 14 | 16 |
| 56 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 12 | 16 | 20 | 24 | 28 | 32 |
| 57 | N22778 | Locknut - 1/4 Nylon Insert | 12 | 16 | 20 | 24 | 28 | 32 |
| 58 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 3 | 4 | 5 | 6 | 7 | 8 |
| 59 | N28813 | Strap - Mounted Bracket | 2 | 2 | 2 | 2 | 2 | 2 |
| 60 | N28814 | Mount Plate - Dual Shoot | 1 | 1 | 1 | 1 | 1 | 1 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 | 6 | 6 | 6 | 6 |

# Distribution
## Broadcast 7252 Front Tank Tow Between - 4 & 5 Primaries



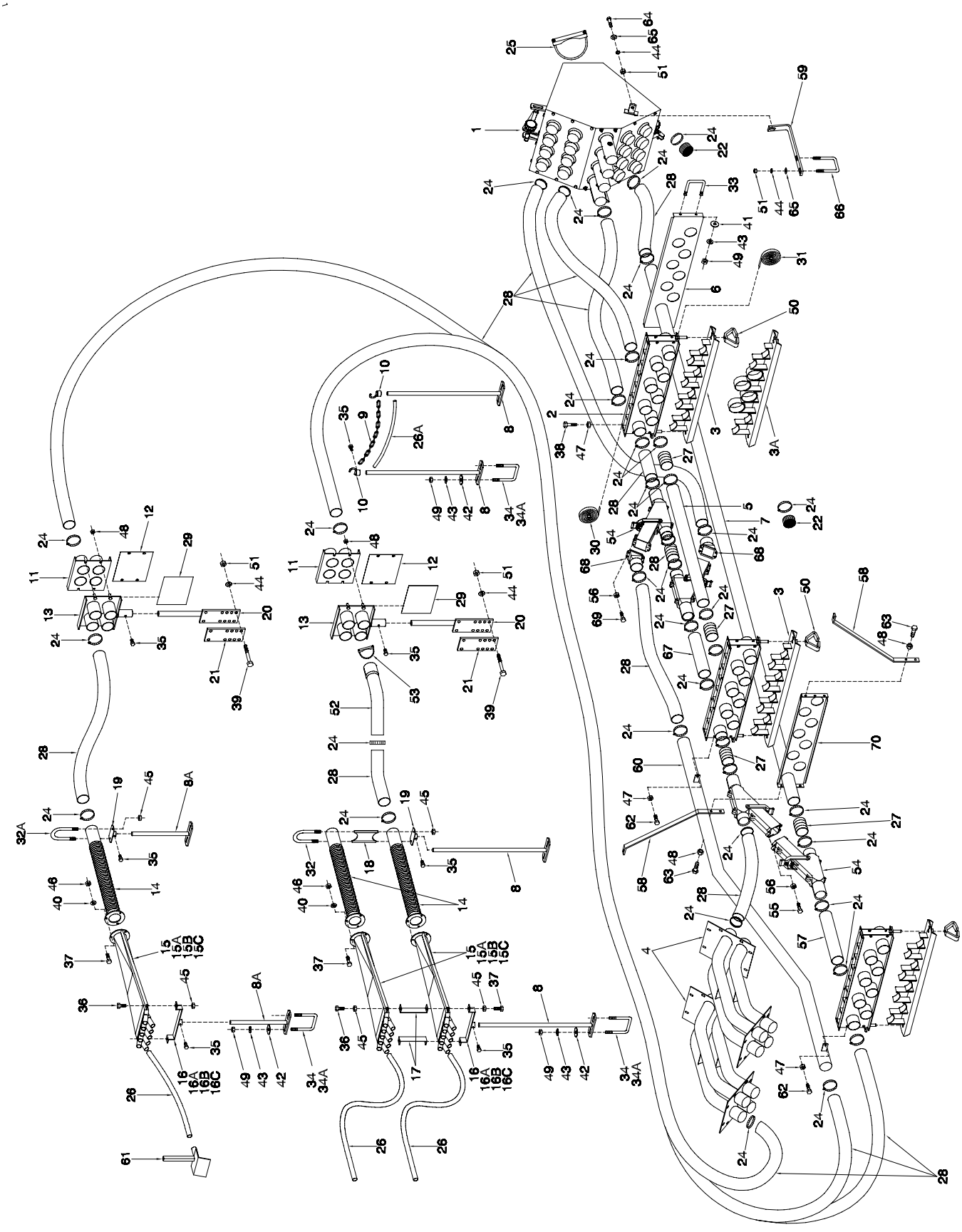
## Distribution - Broadcast 7252 Front Tank Tow Between - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33159 | Cover - Cleanout - 3-5 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 5 | N31537 | Tube - Primary - 57 | 4 | 5 |
| 6 | N27872 | Mount Plate - Dual Between | 1 | 1 |
| 7 | N31539 | Tube - Primary - 87 | 4 | 5 |
| 8 | N19531 | Support - Bottom - Rod 24 | 10 | 12 |
| 8A | N15105 | Support - Bottom - Rod 12 | 4 | 6 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 |
| 11 | N19398 | Coupler - Hose - Tank | 3 | 4 |
| 12 | N19573 | Blank Off Plate | 6 | 8 |
| 13 | N19395 | Coupler - Hose - Seeder | 3 | 4 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 10 | 13 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 16 | N19406 | Support - 10 Outlet | As Req | As Req |
| 16A | N15595 | Support - 9 Outlet | As Req | As Req |
| 16B | N15107 | Support - 8 Outlet | As Req | As Req |
| 16C | N15594 | Support - 7 Outlet | As Req | As Req |
| 17 | N16689 | Bracket Front - Dual Shoot Heads | 8 | 10 |
| 18 | N16507 | Spacer - Rear - Dual Shoot Heads | 4 | 5 |
| 19 | N15102 | Support - Rear | 6 | 8 |
| 20 | N19575 | Base - Hose Coupler - Straight | 3 | 4 |
| 21 | N19409 | Plate - Mount | 3 | 4 |
| 22 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 40 | 30 |
| 24 | N11905 | Hose Clamp - 2 1/2 Dia | 136 | 150 |
| 25 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 26 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 800 ft | 1050 ft |
| 26A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 27 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 16 | 20 |
| 28 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 275 ft | 350 ft |
| 29 | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 3 | 4 |
| 30 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 31 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 32 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 4 | 5 |
| 32A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 2 | 3 |
| 33 | N27709 | U-Bolt - 3/8 x 3 3/8 x 2 3/4 | 2 | 2 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 14 | 16 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 10 | 12 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 17 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 16 | 22 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 38 | 49 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |
| 39 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 12 | 16 |
| 40 | W-521 | Lockwasher - 1/4 | 30 | 39 |
| 41 | D-5489 | Flatwasher - 3/8 | 4 | 4 |
| 42 | D-5579 | Flatwasher - 3/8 | 28 | 36 |
| 43 | W-523 | Lockwasher - 3/8 | 32 | 40 |

## Distribution - Broadcast 7252 Front Tank Tow Between - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 44 | W-525 | Lockwasher - 1/2 | 16 | 20 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 32 | 42 |
| 46 | W-525 | Lockwasher - 1/2 | 16 | 20 |
| 47 | D-5277 | Serrated Locknut - 1/4 | 32 | 42 |
| 48 | W-512 | Hex Nut - 1/4 | 30 | 39 |
| 49 | D-5278 | Serrated Locknut - 5/16 | 28 | 30 |
| 50 | D-5279 | Serrated Locknut - 3/8 | 16 | 20 |
| 51 | W-514 | Hex Nut - 3/8 | 34 | 42 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 18 | 22 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 4 | 4 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 4 | 4 |
| 54 | N30068 | Diverter Valve Assembly | 8 | 10 |
| 55 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 16 | 20 |
| 56 | N22778 | Locknut - 1/4 Nylon Insert | 16 | 20 |
| 57 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 4 | 5 |
| 58 | N28813 | Strap - Mount Bracket | 2 | 2 |
| 59 | N32501 | Strap - Fan Mount Bracket | 2 | 2 |
| 60 | N28121 | Tube - Air Supply - Left - 73 | 1 | 2 |
| 60A | N28122 | Tube - Air Supply - Right - 73 | 1 | 1 |
| 61 | N19770 | Deflector | As Req | As Req |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 4 | 6 |
| 63 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 |
| 64 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 65 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 66 | F-1677 | U-Bolt - 1/2 x 3 x 4 1/8 Lg | 2 | 2 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 Front Tank Tow Between - 6 & 8 Primaries



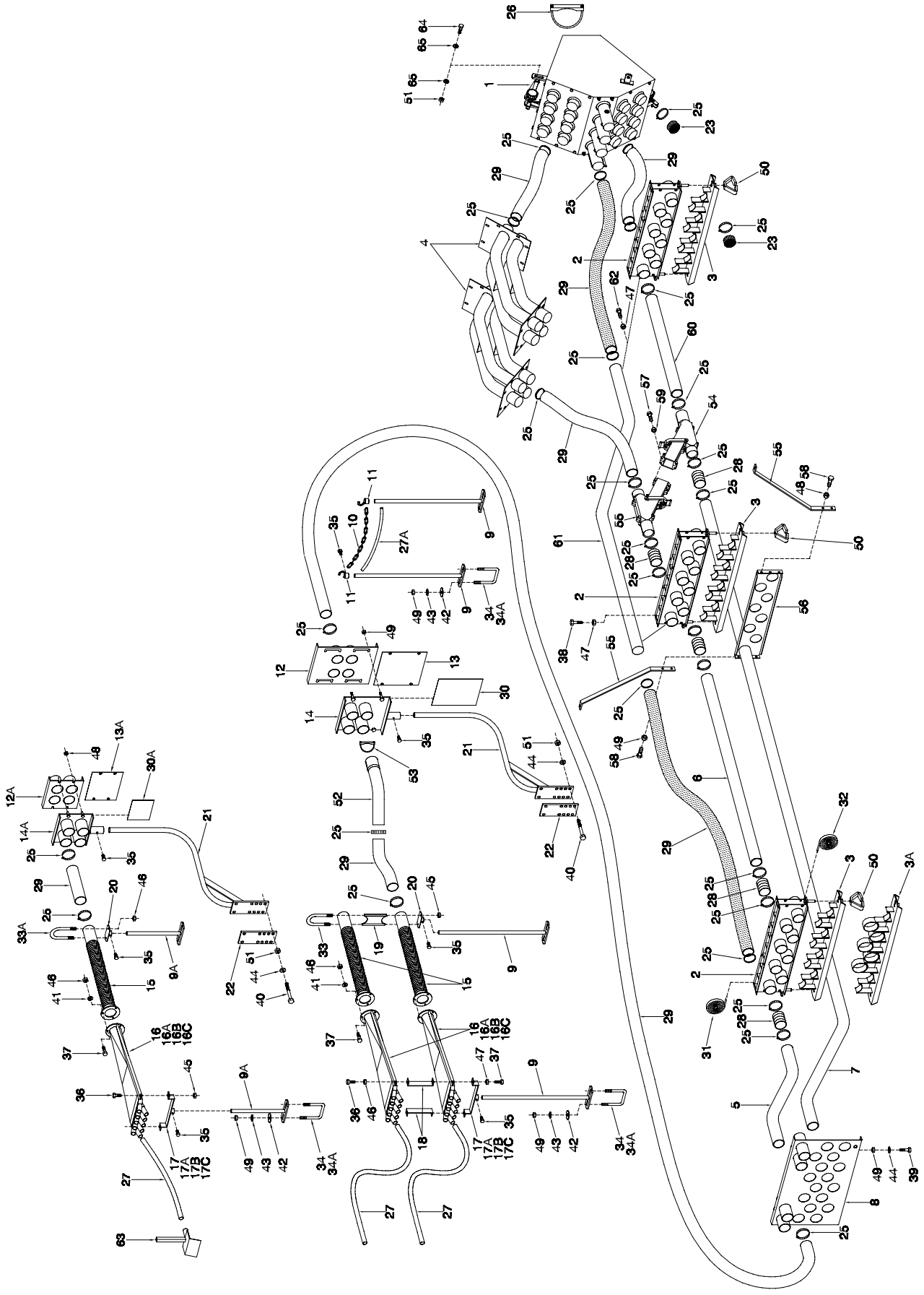
## Distribution - Broadcast 7252 Front Tank Tow Between - 6 & 8 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33160 | Cover - Cleanout - 6-8 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 5 | N31537 | Tube - Primary - 57 | 6 | 8 |
| 6 | N27872 | Mount Plate - Dual Between | 1 | 1 |
| 7 | N31539 | Tube - Primary - 87 | 6 | 8 |
| 8 | N19531 | Support - Bottom - Rod 24 | 14 | 18 |
| 8A | N15105 | Support - Bottom - Rod 12 | 6 | 8 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 |
| 11 | N19398 | Coupler - Hose - Tank | 4 | 5 |
| 12 | N19573 | Blank Off Plate | 8 | 10 |
| 13 | N19395 | Coupler - Hose - Seeder | 4 | 5 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 15 | 20 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 16 | N19406 | Support - 10 Outlet | As Req | As Req |
| 16A | N15595 | Support - 9 Outlet | As Req | As Req |
| 16B | N15107 | Support - 8 Outlet | As Req | As Req |
| 16C | N15594 | Support - 7 Outlet | As Req | As Req |
| 17 | N16689 | Bracket Front - Dual Shoot Heads | 12 | 16 |
| 18 | N16507 | Spacer - Rear - Dual Shoot Heads | 6 | 8 |
| 19 | N15102 | Support - Rear | 9 | 12 |
| 20 | N19575 | Base - Hose Coupler - Straight | 4 | 5 |
| 21 | N19409 | Plate - Mount | 4 | 5 |
| 22 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 20 | 0 |
| 24 | N11905 | Hose Clamp - 2 1/2 Dia | 164 | 198 |
| 25 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 26 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1200 ft | 1600 ft |
| 26A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 27 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 24 | 32 |
| 28 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 425 ft | 575 ft |
| 29 | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 4 | 5 |
| 30 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 31 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 32 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 6 | 8 |
| 32A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 3 | 4 |
| 33 | N27709 | U-Bolt - 3/8 x 3 3/8 x 2 3/4 | 2 | 2 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 20 | 26 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 12 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 33 | 44 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 18 | 20 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 57 | 88 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |
| 39 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 16 | 20 |
| 40 | W-521 | Lockwasher - 1/4 | 45 | 60 |
| 41 | D-5489 | Flatwasher - 3/8 | 4 | 4 |
| 42 | D-5579 | Flatwasher - 3/8 | 40 | 52 |

## Distribution - Broadcast 7252 Front Tank Tow Between - 6 & 8 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 43 | W-523 | Lockwasher - 3/8 | 44 | 56 |
| 44 | W-525 | Lockwasher - 1/2 | 16 | 20 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 48 | 64 |
| 46 | W-512 | Hex Nut - 1/4 | 45 | 60 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 30 | 32 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 20 | 24 |
| 49 | W-514 | Hex Nut - 3/8 | 50 | 62 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 22 | 26 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 18 | 24 |
| 55 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 24 | 32 |
| 56 | N22778 | Locknut - 1/4 Nylon Insert | 48 | 64 |
| 57 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 6 | 8 |
| 58 | N28813 | Strap - Mount Bracket | 2 | 2 |
| 59 | N32501 | Strap - Fan Mount Bracket | 2 | 2 |
| 60 | N28121 | Tube - Air Supply - Left - 73 | 1 | 2 |
| 60A | N28122 | Tube - Air Supply - Right - 73 | 2 | 2 |
| 61 | N19770 | Deflector | As Req | As Req |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 6 | 8 |
| 63 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 |
| 64 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 65 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 66 | F-1677 | U-Bolt - 1/2 x 3 x 4 1/8 Lg | 2 | 2 |
| 67 | N29062 | Hose - 2 1/2 Dia x 29 Lg | 3 | 4 |
| 68 | N32394 | Adaptor - Angled | 6 | 8 |
| 69 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 24 | 32 |
| 70 | N28814 | Mount Plate - Dual Shoot | 1 | 1 |
| | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 Front Tank Tow Behind - 4 & 5 Primaries



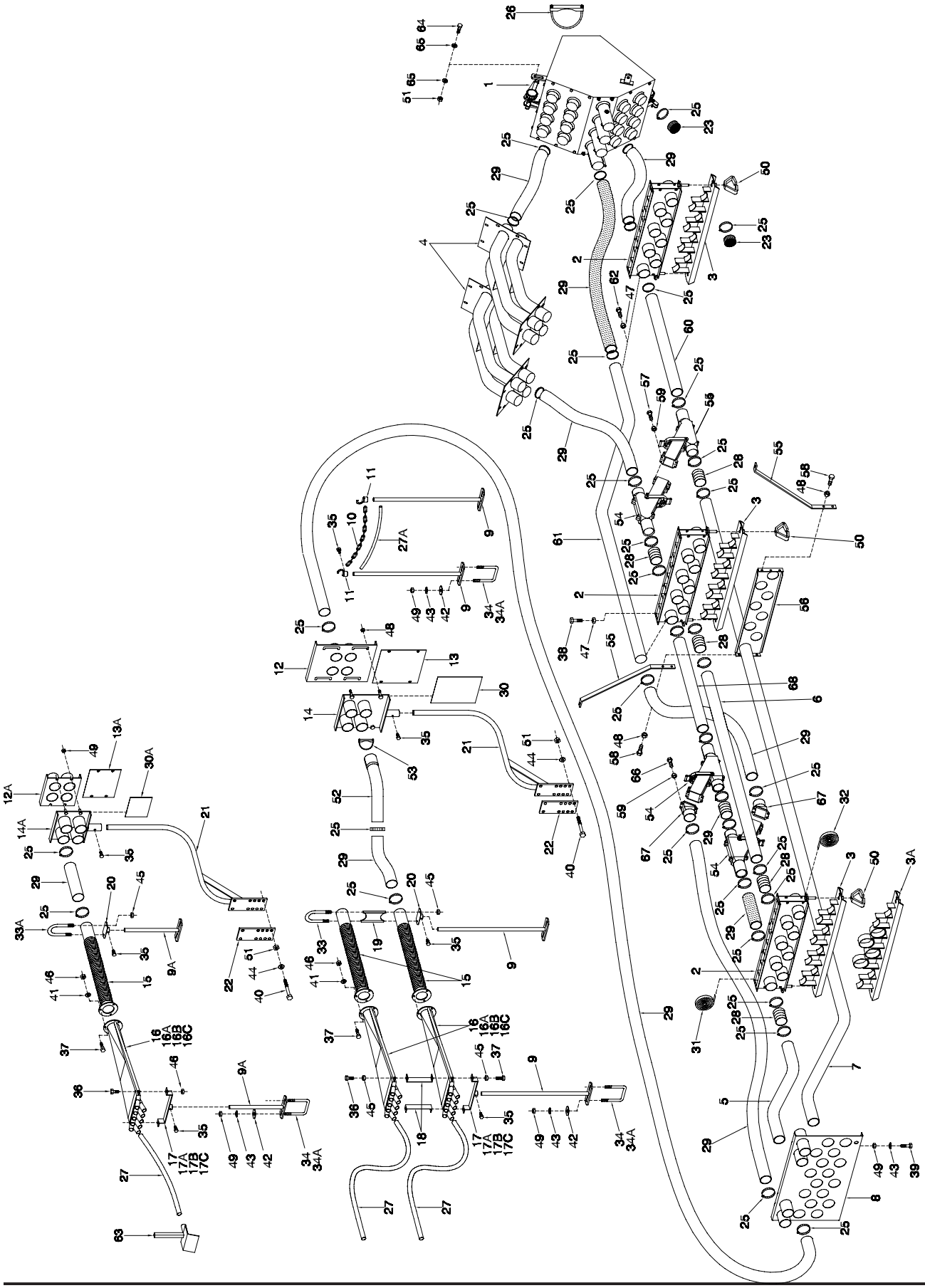
## Distribution - Broadcast 7252 Front Tank Tow Behind - 4 & 5 Primaries

| Item | Part No. | Description | No: Used | |
|---|---|---|---|---|
| | | | 31-40 Runs | 41-50 Runs |
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33159 | Cover - Cleanout - 3-5 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 5 | N31536 | Tube - Primary - 47 29/32 | 6 | 8 |
| 6 | N31537 | Tube - Primary - 57 | 4 | 5 |
| 7 | N31538 | Tube - Primary - 139 3/16 | 4 | 5 |
| 8 | N32396 | Mount Plate - Primary Tube - Broadcast | 1 | 1 |
| 9 | N19531 | Support - Bottom - Rod 24 | 10 | 12 |
| 9A | N15105 | Support - Bottom - Rod 12 | 4 | 6 |
| 10 | N19448 | Chain - 80 Link | 1 | 1 |
| 11 | N19717 | Hook - Chain | 2 | 2 |
| 12 | N27719 | Coupler - Hose - Tank - Dual | 2 | 3 |
| 12A | N19398 | Coupler - Hose - Tank - Single | 1 | 1 |
| 13 | N27721 | Cover Plate - Coupler - Dual | 4 | 6 |
| 13A | N19573 | Cover Plate - Coupler - Single | 2 | 2 |
| 14 | N28811 | Coupler - Hose - Seeder - Dual | 2 | 3 |
| 14A | N19395 | Coupler - Hose - Seeder - Single | 1 | 1 |
| 15 | N15135 | Pipe - Corr Diff - Divider Head | 10 | 13 |
| 16 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 16A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 16B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 16C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 17 | N19406 | Support - 10 Outlet | As Req | As Req |
| 17A | N15595 | Support - 9 Outlet | As Req | As Req |
| 17B | N15107 | Support - 8 Outlet | As Req | As Req |
| 17C | N15594 | Support - 7 Outlet | As Req | As Req |
| 18 | N16689 | Bracket Front - Dual Shoot Heads | 8 | 10 |
| 19 | N16507 | Spacer - Rear - Dual Shoot Heads | 4 | 5 |
| 20 | N15102 | Support - Rear | 6 | 8 |
| 21 | N19410 | Base - Hose Coupler | 3 | 4 |
| 22 | N19409 | Plate - Mount | 3 | 4 |
| 23 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 38 | 32 |
| 25 | N11905 | Hose Clamp - 2 1/2 Dia | 144 | 160 |
| 26 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 27 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 800 ft | 1050 ft |
| 27A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 28 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 22 | 28 |
| 29 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 275 ft | 350 ft |
| 30 | N28302 | Seal - 1/16 x 8 x 10 (Bulk/ft) | 2 | 3 |
| 30A | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 |
| 31 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 32 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 33 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 4 | 5 |
| 33A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 2 | 3 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 14 | 16 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 10 | 12 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 17 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 16 | 22 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 38 | 49 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |
| 39 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 |

## Distribution - Broadcast 7252 Front Tank Tow Behind - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 40 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 12 | 16 |
| 41 | W-521 | Lockwasher - 1/4 | 30 | 39 |
| 42 | D-5579 | Flatwasher - 3/8 | 28 | 36 |
| 43 | W-523 | Lockwasher - 3/8 | 30 | 38 |
| 44 | W-525 | Lockwasher - 1/2 | 12 | 16 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 32 | 42 |
| 46 | W-512 | Hex Nut - 1/4 | 30 | 39 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 28 | 30 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 16 | 20 |
| 49 | W-514 | Hex Nut - 3/8 | 30 | 38 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 14 | 18 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 4 | 4 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 4 | 4 |
| 54 | N30068 | Diverter Valve Assembly | 8 | 10 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 |
| 57 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 16 | 20 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 16 | 20 |
| 60 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 4 | 5 |
| 61 | N28121 | Tube - Air Supply - Left - 73 | 1 | 2 |
| 61A | N28122 | Tube - Air Supply - Right - 73 | 1 | 1 |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 4 | 6 |
| 63 | N19770 | Deflector | As Req | As Req |
| 64 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 65 | S-751 | Flatwasher - 1/2 | 4 | 4 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 Front Tank Tow Behind - 6 & 8 Primaries



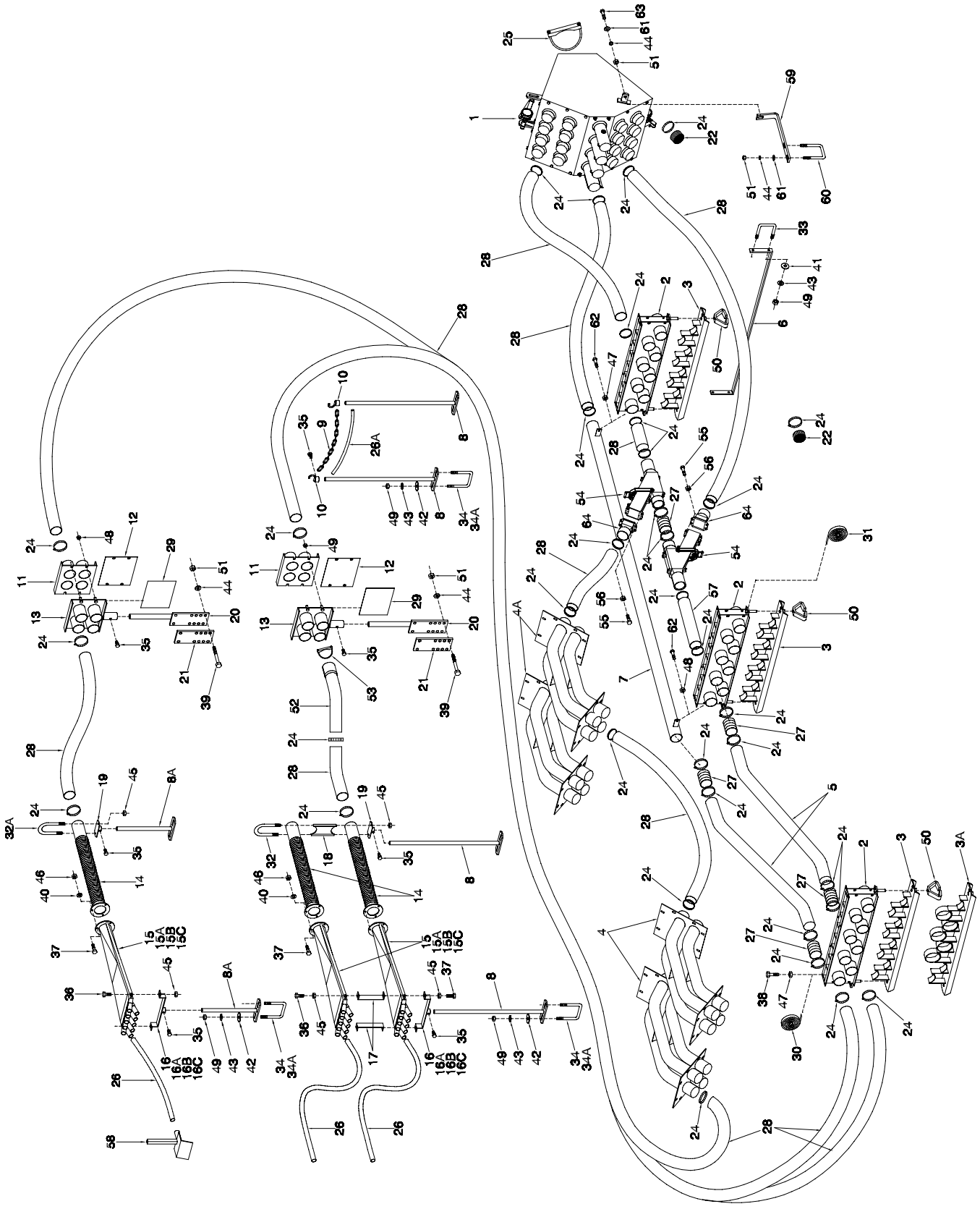
## Distribution - Broadcast 7252 Front Tank Tow Behind - 6 & 8 Primaries

| Item | Part No. | Description | No: Used | |
|---|---|---|---|---|
| | | | 31-40 Runs | 41-50 Runs |
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33160 | Cover - Cleanout - 6-8 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 5 | N31536 | Tube - Primary - 47 29/32 | 6 | 8 |
| 6 | N31537 | Tube - Primary - 57 | 6 | 8 |
| 7 | N31538 | Tube - Primary - 139 3/16 | 6 | 8 |
| 8 | N32396 | Mount Plate - Primary Tube - Broadcast | 1 | 1 |
| 9 | N19531 | Support - Bottom - Rod 24 | 14 | 18 |
| 9A | N15105 | Support - Bottom - Rod 12 | 6 | 8 |
| 10 | N19448 | Chain - 80 Link | 1 | 1 |
| 11 | N19717 | Hook - Chain | 2 | 2 |
| 12 | N27719 | Coupler - Hose - Tank - Dual | 3 | 4 |
| 12A | N19398 | Coupler - Hose - Tank - Single | 1 | 1 |
| 13 | N27721 | Cover Plate - Coupler - Dual | 6 | 8 |
| 13A | N19573 | Cover Plate - Coupler - Single | 2 | 2 |
| 14 | N28811 | Coupler - Hose - Seeder - Dual | 3 | 4 |
| 14A | N19395 | Coupler - Hose - Seeder - Single | 1 | 1 |
| 15 | N15135 | Pipe - Corr Diff - Divider Head | 15 | 20 |
| 16 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 16A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 16B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 16C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 17 | N19406 | Support - 10 Outlet | As Req | As Req |
| 17A | N15595 | Support - 9 Outlet | As Req | As Req |
| 17B | N15107 | Support - 8 Outlet | As Req | As Req |
| 17C | N15594 | Support - 7 Outlet | As Req | As Req |
| 18 | N16689 | Bracket Front - Dual Shoot Heads | 12 | 16 |
| 19 | N16507 | Spacer - Rear - Dual Shoot Heads | 6 | 8 |
| 20 | N15102 | Support - Rear | 9 | 12 |
| 21 | N19410 | Base - Hose Coupler | 4 | 5 |
| 22 | N19409 | Plate - Mount | 4 | 5 |
| 23 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 25 | 0 |
| 25 | N11905 | Hose Clamp - 2 1/2 Dia | 176 | 208 |
| 26 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 27 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1200 ft | 1600 ft |
| 27A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 28 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 24 | 32 |
| 29 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 425 ft | 575 ft |
| 30 | N28302 | Seal - 1/16 x 8 x 10 (Bulk/ft) | 3 | 4 |
| 30A | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 |
| 31 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 32 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 33 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 6 | 8 |
| 33A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 3 | 4 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 20 | 26 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 12 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 33 | 44 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 18 | 20 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 57 | 88 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |

## Distribution - Broadcast 7252 Front Tank Tow Behind - 6 & 8 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 39 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 |
| 40 | S-1198 | Flatwasher - 1/4 | 12 | 16 |
| 41 | W-521 | Lockwasher - 1/4 | 45 | 60 |
| 42 | D-5579 | Flatwasher - 3/8 | 44 | 56 |
| 43 | W-523 | Lockwasher - 3/8 | 42 | 54 |
| 44 | W-525 | Lockwasher - 1/2 | 16 | 20 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 48 | 64 |
| 46 | W-512 | Hex Nut - 1/4 | 45 | 60 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 30 | 32 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 20 | 24 |
| 49 | W-514 | Hex Nut - 3/8 | 42 | 54 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 18 | 22 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 18 | 24 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 |
| 57 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 24 | 32 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 48 | 64 |
| 60 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 6 | 8 |
| 61 | N28121 | Tube - Air Supply - Left - 73 | 2 | 2 |
| 61A | N28122 | Tube - Air Supply - Right - 73 | 1 | 2 |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 6 | 8 |
| 63 | N19770 | Deflector | As Req | As Req |
| 64 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 65 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 66 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 24 | 32 |
| 67 | N32394 | Adaptor - Angled | 6 | 8 |
| 68 | N29062 | Hose - 2 1/2 Dia x 29 Lg | 3 | 4 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 Rear Tank Tow Between - 4 & 5 Primaries



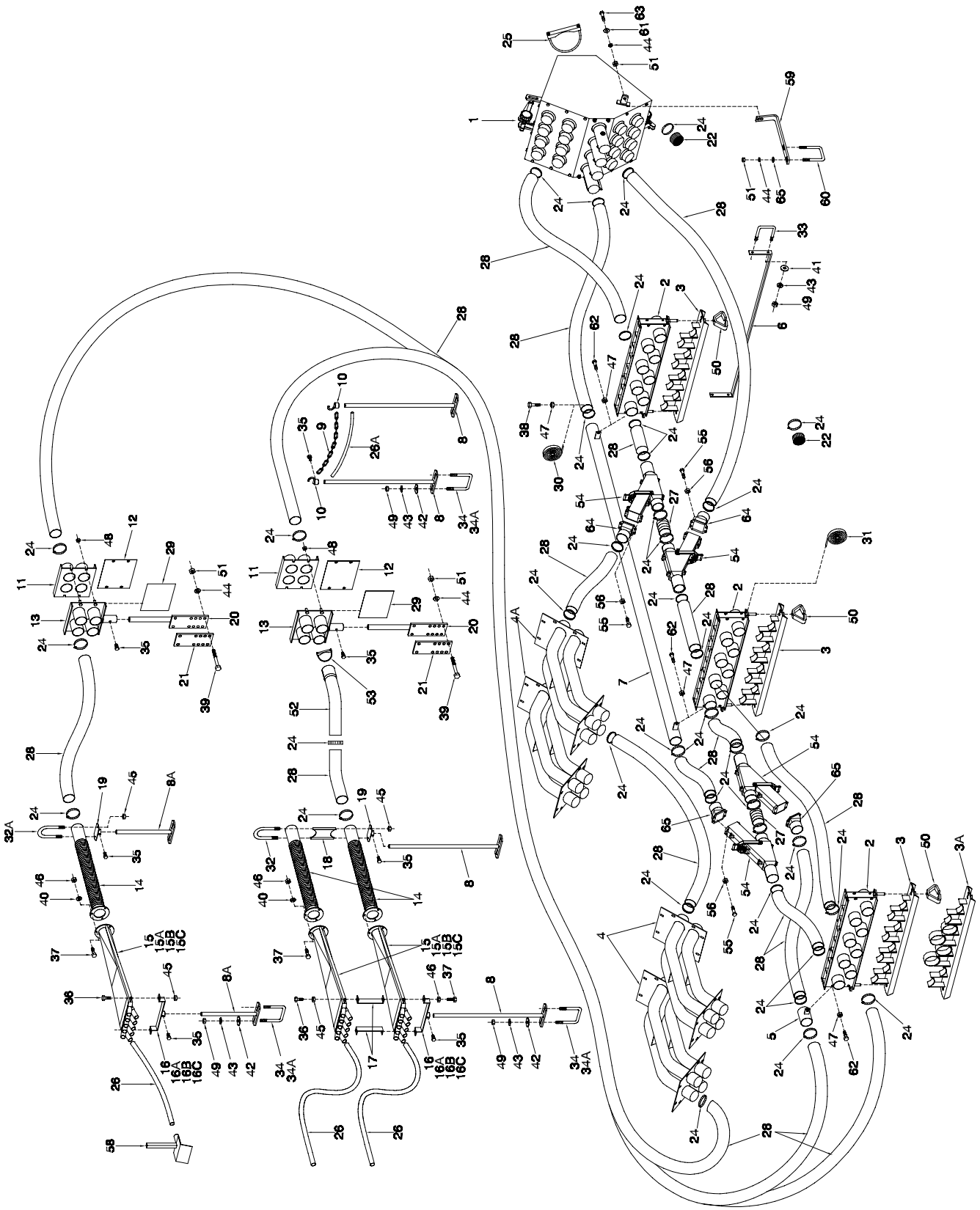
## Distribution - Broadcast 7252 Rear Tank Tow Between - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33159 | Cover - Cleanout - 3-5 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 4A | N32045 | Pipe Housing - Dual Shoot - Middle Tank | 2 | 2 |
| 5 | N27045 | Tube - Primary - 43 3/4 | 6 | 8 |
| 6 | N32049 | Strap - Support | 1 | 1 |
| 7 | N32499 | Tube | 2 | 3 |
| 8 | N19531 | Support - Bottom - Rod 24 | 10 | 12 |
| 8A | N15105 | Support - Bottom - Rod 12 | 4 | 6 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 |
| 11 | N19398 | Coupler - Hose - Tank | 3 | 4 |
| 12 | N19573 | Blank Off Plate | 6 | 8 |
| 13 | N19395 | Coupler - Hose - Seeder | 3 | 4 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 10 | 13 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 16 | N19406 | Support - 10 Outlet | As Req | As Req |
| 16A | N15595 | Support - 9 Outlet | As Req | As Req |
| 16B | N15107 | Support - 8 Outlet | As Req | As Req |
| 16C | N15594 | Support - 7 Outlet | As Req | As Req |
| 17 | N16689 | Bracket Front - Dual Shoot Heads | 8 | 10 |
| 18 | N16507 | Spacer - Rear - Dual Shoot Heads | 4 | 5 |
| 19 | N15102 | Support - Rear | 6 | 8 |
| 20 | N19575 | Base - Hose Coupler - Straight | 3 | 4 |
| 21 | N19409 | Plate - Mount | 3 | 4 |
| 22 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 40 | 30 |
| 24 | N11905 | Hose Clamp - 2 1/2 Dia | 136 | 150 |
| 25 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 26 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 800 ft | 1050 ft |
| 26A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 27 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 16 | 21 |
| 28 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 300 ft | 400 ft |
| 29 | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 3 | 4 |
| 30 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 31 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 32 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 4 | 5 |
| 32A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 2 | 3 |
| 33 | N27709 | U-Bolt - 3/8 x 3 3/8 x 2 3/4 | 2 | 2 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 10 | 12 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 8 | 10 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 15 | 20 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 12 | 16 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 38 | 49 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |
| 39 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 12 | 16 |
| 40 | W-521 | Lockwasher - 1/4 | 24 | 30 |
| 41 | D-5489 | Flatwasher - 3/8 | 4 | 4 |
| 42 | D-5579 | Flatwasher - 3/8 | 20 | 24 |

## Distribution - Broadcast 7252 Rear Tank Tow Between - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 43 | W-523 | Lockwasher - 3/8 | 24 | 28 |
| 44 | W-525 | Lockwasher - 1/2 | 18 | 22 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 32 | 40 |
| 46 | W-512 | Hex Nut - 1/4 | 30 | 39 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 24 | 24 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 16 | 16 |
| 49 | W-514 | Hex Nut - 3/8 | 34 | 42 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 22 | 22 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 4 | 4 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 4 | 4 |
| 54 | N30068 | Diverter Valve Assembly | 8 | 10 |
| 55 | W-471 | Hex Bolt - 5/16 x 1 Lg | 32 | 40 |
| 56 | N22778 | Locknut - 1/4 Nylon Insert | 32 | 40 |
| 57 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 4 | 5 |
| 58 | N19770 | Deflector | As Req | As Req |
| 59 | N32501 | Strap - Fan Mount Bracket | 2 | 2 |
| 60 | F-1677 | U-Bolt - 1/2 x 3 x 4 1/8 Lg | 2 | 2 |
| 61 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 4 | 6 |
| 63 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 64 | N32750 | Adaptor - Straight | 8 | 10 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 Rear Tank Tow Between - 6 & 8 Primaries



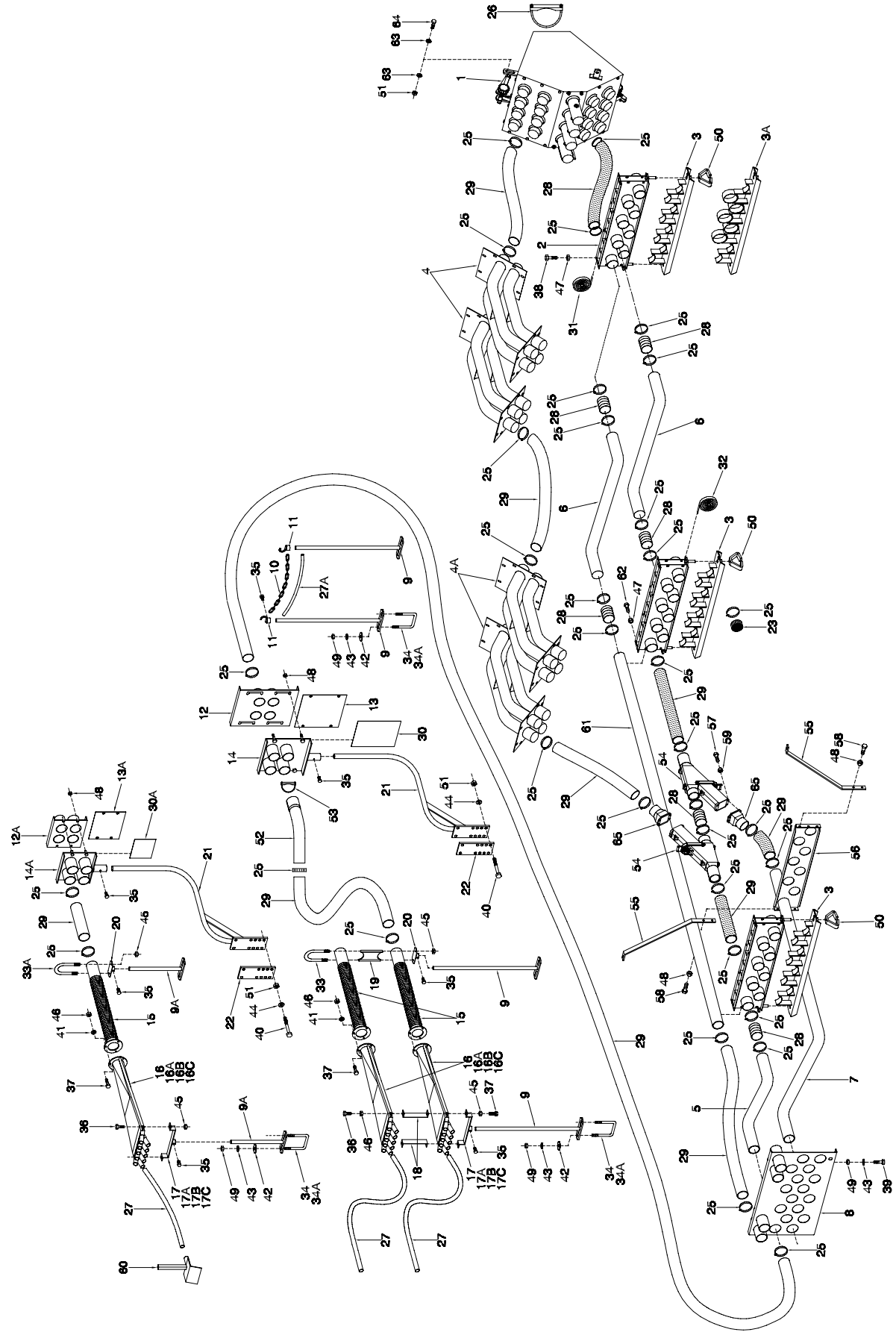
## Distribution - Broadcast 7252 Rear Tank Tow Between - 6 & 8 Primaries

| Item | Part No. | Description | No: Used 51-60 Runs | No: Used 71-80 Runs |
|---|---|---|---|---|
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33160 | Cover - Cleanout - 6-8 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 4A | N32045 | Pipe Housing - Dual Shoot - Middle Tank | 2 | 2 |
| 5 | N32048 | Coupler - Pipe | 2 | 2 |
| 6 | N32049 | Strap - Support | 1 | 1 |
| 7 | N32499 | Tube | 3 | 4 |
| 8 | N19531 | Support - Bottom - Rod 24 | 14 | 18 |
| 8A | N15105 | Support - Bottom - Rod 12 | 6 | 8 |
| 9 | N19448 | Chain - 80 Link | 1 | 1 |
| 10 | N19717 | Hook - Chain | 2 | 2 |
| 11 | N19398 | Coupler - Hose - Tank | 4 | 5 |
| 12 | N19573 | Blank Off Plate | 8 | 10 |
| 13 | N19395 | Coupler - Hose - Seeder | 4 | 5 |
| 14 | N15135 | Pipe - Corr Diff - Divider Head | 15 | 20 |
| 15 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 15A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 15B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 15C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 16 | N19406 | Support - 10 Outlet | As Req | As Req |
| 16A | N15595 | Support - 9 Outlet | As Req | As Req |
| 16B | N15107 | Support - 8 Outlet | As Req | As Req |
| 16C | N15594 | Support - 7 Outlet | As Req | As Req |
| 17 | N16689 | Bracket Front - Dual Shoot Heads | 12 | 16 |
| 18 | N16507 | Spacer - Rear - Dual Shoot Heads | 6 | 8 |
| 19 | N15102 | Support - Rear | 9 | 12 |
| 20 | N19575 | Base - Hose Coupler - Straight | 4 | 5 |
| 21 | N19409 | Plate - Mount | 4 | 5 |
| 22 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 40 | 30 |
| 24 | N11905 | Hose Clamp - 2 1/2 Dia | 136 | 150 |
| 25 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 26 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1200 ft | 1600 ft |
| 26A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 27 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 16 | 21 |
| 28 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 475 ft | 600 ft |
| 29 | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 4 | 5 |
| 30 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 31 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 32 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 6 | 8 |
| 32A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 3 | 4 |
| 33 | N27709 | U-Bolt - 3/8 x 3 3/8 x 2 3/4 | 2 | 2 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 16 | 20 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 12 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 33 | 44 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 18 | 20 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 57 | 88 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |
| 39 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 16 | 20 |
| 40 | W-521 | Lockwasher - 1/4 | 45 | 60 |
| 41 | D-5489 | Flatwasher - 3/8 | 4 | 4 |

## Distribution - Broadcast 7252 Rear Tank Tow Between - 6 & 8 Primaries

| Item | Part No. | Description | No: Used 51-60 Runs | No: Used 71-80 Runs |
|---|---|---|---|---|
| 42 | D-5579 | Flatwasher - 3/8 | 40 | 52 |
| 43 | W-523 | Lockwasher - 3/8 | 44 | 56 |
| 44 | W-525 | Lockwasher - 1/2 | 16 | 20 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 48 | 64 |
| 46 | W-512 | Hex Nut - 1/4 | 45 | 60 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 33 | 36 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 16 | 20 |
| 49 | W-514 | Hex Nut - 3/8 | 50 | 62 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 22 | 26 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 18 | 24 |
| 55 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 72 | 96 |
| 56 | N22778 | Locknut - 1/4 Nylon Insert | 72 | 96 |
| 57 | N29061 | Hose - 2 1/2 Dia x 17 Lg | 6 | 8 |
| 58 | N19770 | Deflector | As Req | As Req |
| 59 | N32501 | Strap - Fan Mount Bracket | 2 | 2 |
| 60 | F-1677 | U-Bolt - 1/2 x 3 x 4 1/8 Lg | 2 | 2 |
| 61 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 9 | 12 |
| 63 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 64 | N32750 | Adaptor - Straight | 12 | 16 |
| 65 | N32394 | Adaptor - Angled | 6 | 8 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 RearTank Tow Behind - 4 & 5 Primaries



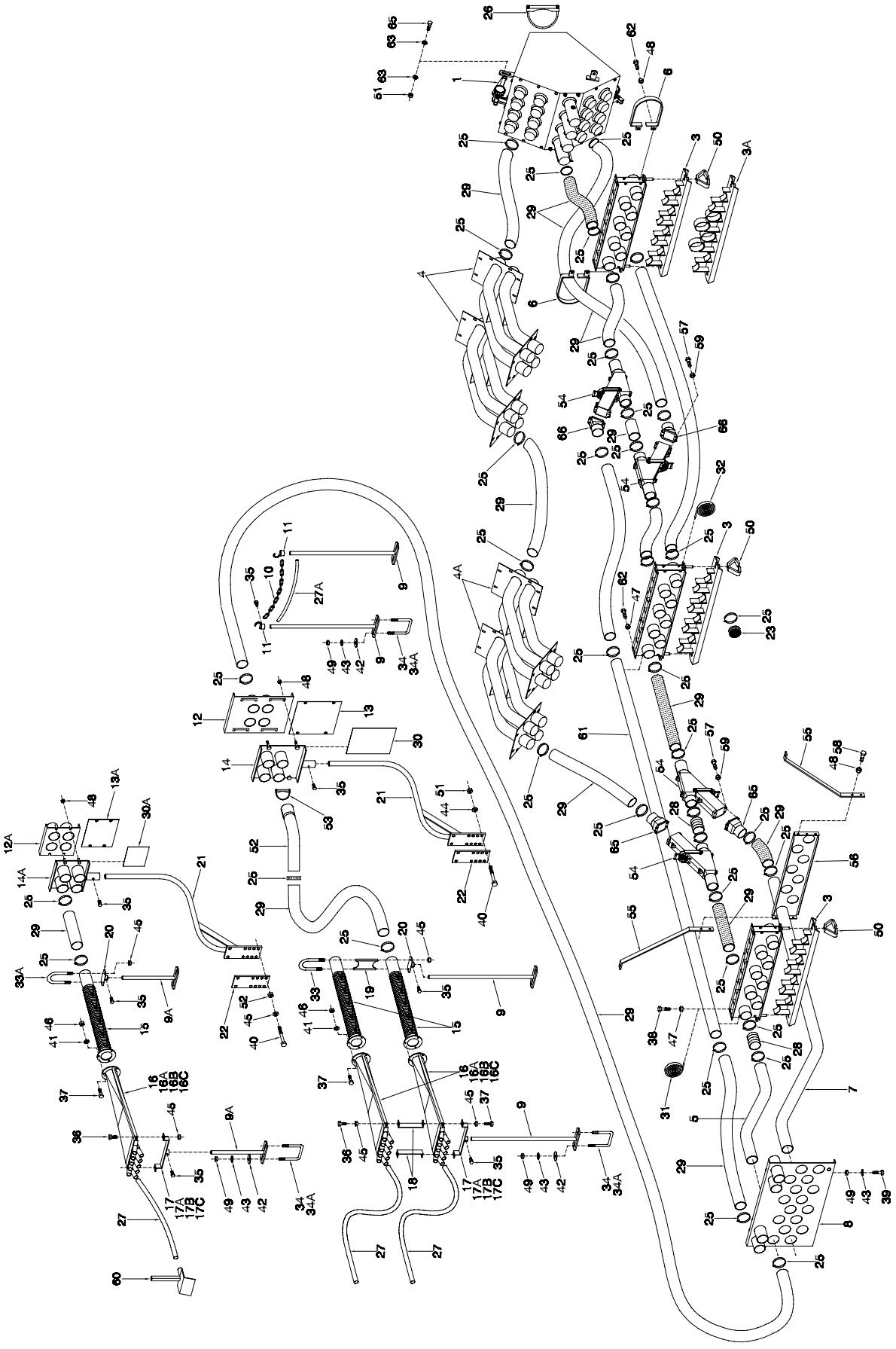
## Distribution - Broadcast 7252 Rear Tank Tow Behind - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-41 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33159 | Cover - Cleanout - 3-5 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 4A | N32045 | Pipe Housing - Dual Shoot - Middle Tank | 2 | 2 |
| 5 | N31536 | Tube - Primary - 47 29/32 | 4 | 5 |
| 6 | N27045 | Tube - Primary - 43 3/4 | 6 | 8 |
| 7 | N31538 | Tube - Primary - 139 3/16 | 4 | 5 |
| 8 | N32396 | Mount Plate - Primary Tube - Broadcast | 1 | 1 |
| 9 | N19531 | Support - Bottom - Rod 24 | 10 | 12 |
| A | N15105 | Support - Bottom - Rod 12 | 4 | 6 |
| 10 | N19448 | Chain - 80 Link | 1 | 1 |
| 11 | N19717 | Hook - Chain | 2 | 2 |
| 12 | N27719 | Coupler - Hose - Tank - Dual | 2 | 3 |
| 12A | N19398 | Coupler - Hose - Tank - Single | 1 | 1 |
| 13 | N27721 | Cover Plate - Coupler - Dual | 4 | 6 |
| 13A | N19573 | Cover Plate - Coupler - Single | 2 | 2 |
| 14 | N28811 | Coupler - Hose - Seeder - Dual | 2 | 3 |
| 14A | N19395 | Coupler - Hose - Seeder - Single | 1 | 1 |
| 15 | N15135 | Pipe - Corr Diff - Divider Head | 10 | 13 |
| 16 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 16A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 16B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 16C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 17 | N19406 | Support - 10 Outlet | As Req | As Req |
| 17A | N15595 | Support - 9 Outlet | As Req | As Req |
| 17B | N15107 | Support - 8 Outlet | As Req | As Req |
| 17C | N15594 | Support - 7 Outlet | As Req | As Req |
| 18 | N16689 | Bracket Front - Dual Shoot Heads | 8 | 10 |
| 19 | N16507 | Spacer - Rear - Dual Shoot Heads | 4 | 5 |
| 20 | N15102 | Support - Rear | 6 | 8 |
| 21 | N19410 | Base - Hose Coupler | 3 | 4 |
| 22 | N19409 | Plate - Mount | 3 | 4 |
| 23 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 38 | 32 |
| 25 | N11905 | Hose Clamp - 2 1/2 Dia | 144 | 160 |
| 26 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 27 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 800 ft | 1050 ft |
| 27A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 28 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 20 | 26 |
| 29 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 300 ft | 400 ft |
| 30 | N28302 | Seal - 1/16 x 8 x 10 (Bulk/ft) | 2 | 3 |
| 30A | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 |
| 31 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 32 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 33 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 4 | 5 |
| 33A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 2 | 3 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 14 | 18 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 12 | 14 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 17 | 22 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 12 | 16 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 38 | 49 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |

## Distribution - Broadcast 7252 Rear Tank Tow Behind - 4 & 5 Primaries

| Item | Part No. | Description | No: Used 31-40 Runs | No: Used 41-50 Runs |
|---|---|---|---|---|
| 39 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 |
| 40 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 12 | 16 |
| 41 | W-521 | Lockwasher - 1/4 | 30 | 39 |
| 42 | D-5579 | Flatwasher - 3/8 | 28 | 36 |
| 43 | W-523 | Lockwasher - 3/8 | 30 | 38 |
| 44 | W-525 | Lockwasher - 1/2 | 12 | 16 |
| 46 | D-5277 | Serrated Locknut - 1/4 | 32 | 42 |
| 46 | W-512 | Hex Nut - 1/4 | 30 | 39 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 28 | 30 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 16 | 20 |
| 49 | W-514 | Hex Nut - 3/8 | 30 | 38 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 14 | 18 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 4 | 4 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 4 | 4 |
| 54 | N30068 | Diverter Valve Assembly | 8 | 10 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 |
| 57 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 32 | 40 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 32 | 40 |
| 60 | N19770 | Deflector | As Req | As Req |
| 61 | N32499 | Tube - Air Supply | 2 | 3 |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 4 | 5 |
| 63 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 64 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 65 | N32750 | Adaptor - Straight | 8 | 10 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |

# Distribution
## Broadcast 7252 Rear Tank Tow Behind - 6 & 8 Primaries

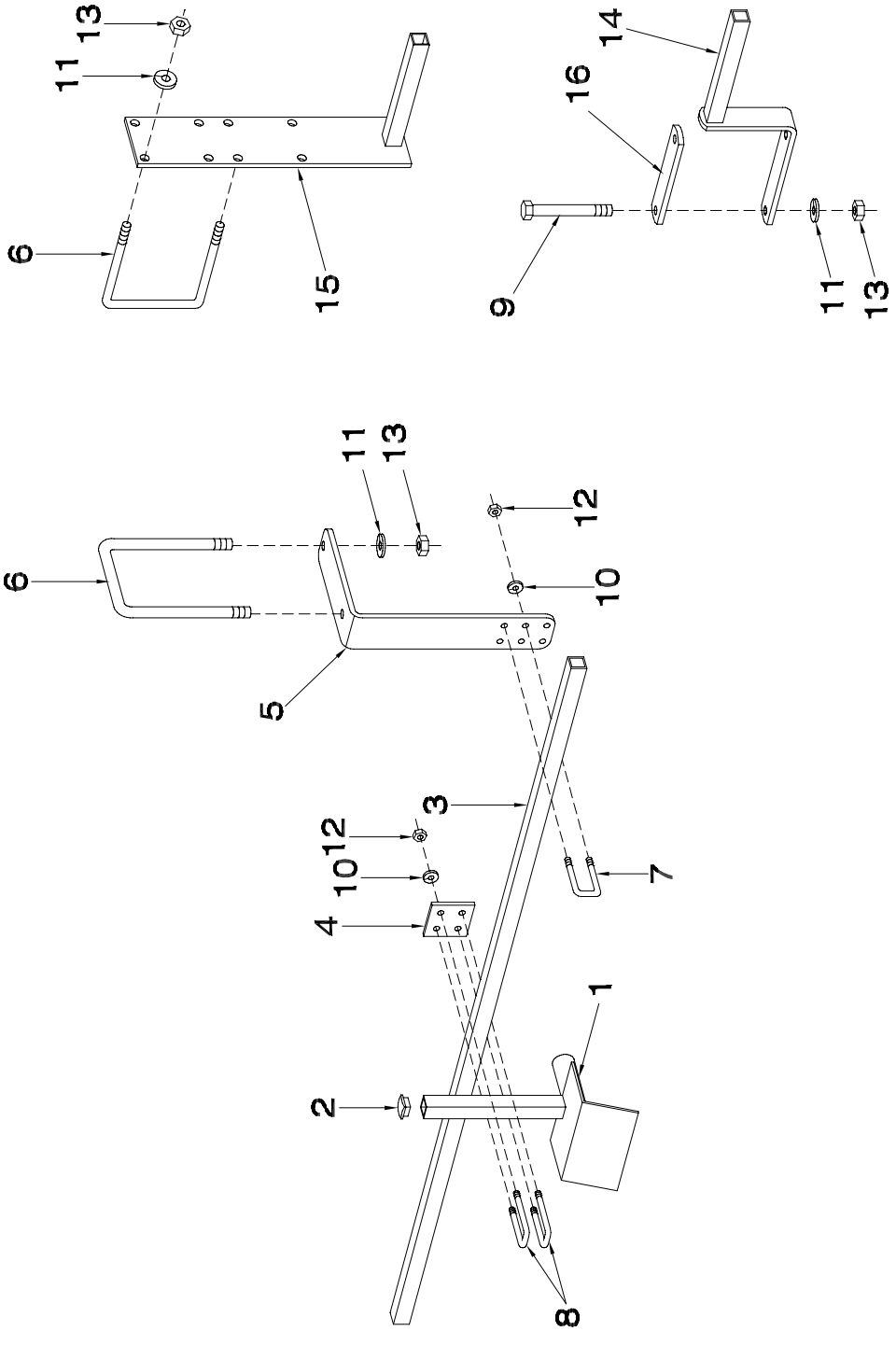


## Distribution - Broadcast 7252 Rear Tank Tow Behind - 6 & 8 Primaries

| Item | Part No. | Description | No: Used 51-60 Runs | No: Used 71-80 Runs |
|---|---|---|---|---|
| 1 | N32440 | Plenum Assembly - Broadcast | 1 | 1 |
| 2 | N45125 | Collector - 8 Outlet | 3 | 3 |
| 3 | N19693 | Cover - Cleanout - 8 Outlet | 3 | 3 |
| 3A | N33160 | Cover - Cleanout - 6-8 Primary Broadcast | 1 | 1 |
| 4 | N27450 | Pipe Housing - Dual Shoot | 2 | 2 |
| 4A | N32045 | Pipe Housing - Dual Shoot - Middle Tank | 2 | 2 |
| 5 | N31536 | Tube - Primary - 47 29/32 | 6 | 8 |
| 6 | N21746 | Bracket - Hose | 2 | 2 |
| | N31538 | Tube - Primary - 139 3/16 | 6 | 8 |
| 8 | N32396 | Mount Plate - Primary Tube - Broadcast | 1 | 1 |
| 9 | N19531 | Support - Bottom - Rod 24 | 14 | 18 |
| 9A | N15105 | Support - Bottom - Rod 12 | 6 | 8 |
| 10 | N19448 | Chain - 80 Link | 1 | 1 |
| 11 | N19717 | Hook - Chain | 2 | 2 |
| 12 | N27719 | Coupler - Hose - Tank - Dual | 3 | 4 |
| 12A | N19398 | Coupler - Hose - Tank - Single | 1 | 1 |
| 13 | N27721 | Cover Plate - Coupler - Dual | 6 | 8 |
| 13A | N19573 | Cover Plate - Coupler - Single | 2 | 2 |
| 14 | N28811 | Coupler - Hose - Seeder - Dual | 3 | 4 |
| 14A | N19395 | Coupler - Hose - Seeder - Single | 1 | 1 |
| 15 | N15135 | Pipe - Corr Diff - Divider Head | 15 | 20 |
| 16 | N31190 | Divider Assembly - 10 Outlet | As Req | As Req |
| 16A | N31189 | Divider Assembly - 9 Outlet | As Req | As Req |
| 16B | N31188 | Divider Assembly - 8 Outlet | As Req | As Req |
| 16C | N31187 | Divider Assembly - 7 Outlet | As Req | As Req |
| 17 | N19406 | Support - 10 Outlet | As Req | As Req |
| 17A | N15595 | Support - 9 Outlet | As Req | As Req |
| 17B | N15107 | Support - 8 Outlet | As Req | As Req |
| 17C | N15594 | Support - 7 Outlet | As Req | As Req |
| 18 | N16689 | Bracket Front - Dual Shoot Heads | 12 | 16 |
| 19 | N16507 | Spacer - Rear - Dual Shoot Heads | 6 | 8 |
| 20 | N15102 | Support - Rear | 9 | 12 |
| 21 | N19410 | Base - Hose Coupler | 4 | 5 |
| 22 | N19409 | Plate - Mount | 4 | 5 |
| 23 | N11907 | Plastic Cap - Short - 2 1/2 Dia | 25 | 0 |
| 25 | N11905 | Hose Clamp - 2 1/2 Dia | 176 | 208 |
| 26 | N15930 | U-Clamp - 6 Dia Heavy Duty Flat | 1 | 1 |
| 27 | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1200 ft | 1600 ft |
| 27A | R480034 | Hose - .929 ID x 1.169 OD/ft (75 ft roll) | 1.5 ft | 1.5 ft |
| 28 | N19428 | Hose - 2.52 ID x 2.77 OD x 5 Lg | 12 | 16 |
| 29 | R480055 | Hose - 2 1/2 ID/ft Goodyear (100 ft rolls) | 475 ft | 600 ft |
| 30 | N28302 | Seal - 1/16 x 8 x 10 (Bulk/ft) | 3 | 4 |
| 30A | N19030 | Seal - 1/16 x 6 1/2 x 6 1/2 (Bulk/ft) | 1 | 1 |
| 31 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 12.5 ft | 12.5 ft |
| 32 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 15 ft | 15 ft |
| 33 | N16504 | U-Bolt - 1/4 x 2 9/16 x 9 1/2 | 6 | 8 |
| 33A | N15096 | U-Bolt - 1/4 x 2 9/16 x 3 1/4 | 3 | 4 |
| 34 | N15098 | U-Bolt - 3/8 x 4 x 5 | 20 | 26 |
| 34A | N15097 | U-Bolt - 3/8 x 2 x 5 | 12 | 16 |
| 35 | N24396 | Setscrew - 1/4 x 1/2 Lg | 24 | 31 |
| 36 | K-3830 | Hex Bolt - 1/4 x 1/2 Lg | 18 | 24 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 57 | 76 |
| 38 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 24 | 24 |

## Distribution - Broadcast 7252 Rear Tank Tow Behind - 6 & 8 Primaries

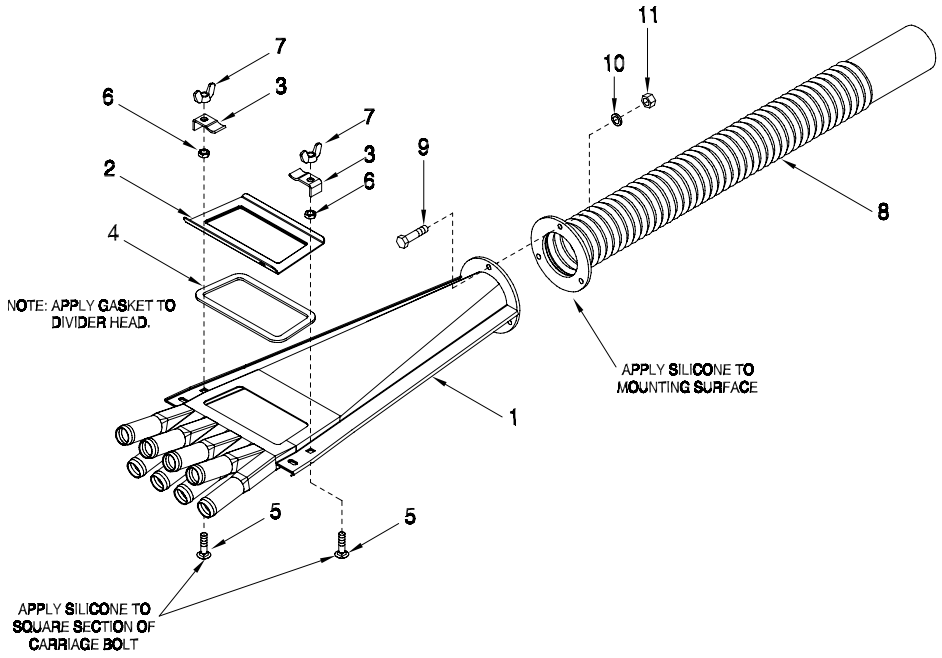
| Item | Part No. | Description | No: Used 51-60 Runs | No: Used 71-80 Runs |
|---|---|---|---|---|
| 39 | W-475 | Hex Bolt - 3/8 x 1 Lg | 2 | 2 |
| 40 | W-496 | Hex Bolt - 1/2 x 5 1/2 Lg | 16 | 20 |
| 41 | W-521 | Lockwasher - 1/4 | 45 | 60 |
| 42 | D-5579 | Flatwasher - 3/8 | 40 | 52 |
| 43 | W-523 | Lockwasher - 3/8 | 42 | 54 |
| 44 | W-525 | Lockwasher - 1/2 | 16 | 20 |
| 45 | D-5277 | Serrated Locknut - 1/4 | 48 | 64 |
| 46 | W-512 | Hex Nut - 1/4 | 45 | 60 |
| 47 | D-5278 | Serrated Locknut - 5/16 | 34 | 36 |
| 48 | D-5279 | Serrated Locknut - 3/8 | 20 | 24 |
| 49 | W-514 | Hex Nut - 3/8 | 42 | 54 |
| 50 | N27360 | Wing Nut - 1/2 | 6 | 6 |
| 51 | W-516 | Hex Nut - 1/2 | 18 | 22 |
| 52 | N27329 | Tube - Primary - 45 degree Elbow | 8 | 8 |
| 53 | N15022 | Clamp - Muffler - 2 1/2 Dia | 8 | 8 |
| 54 | N30068 | Diverter Valve Assembly | 18 | 24 |
| 55 | N28813 | Strap - Mount Bracket | 2 | 2 |
| 56 | N28814 | Mount Plate - Dual Shoot | 1 | 1 |
| 57 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 72 | 96 |
| 58 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 4 | 4 |
| 59 | N22778 | Locknut - 1/4 Nylon Insert | 72 | 96 |
| 60 | N19770 | Deflector | As Req | As Req |
| 61 | N32499 | Tube - Air Supply | 3 | 4 |
| 62 | W-471 | Hex Bolt - 5/16 x 1 Lg | 4 | 5 |
| 63 | S-751 | Flatwasher - 1/2 | 4 | 4 |
| 64 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 2 | 2 |
| 65 | N32750 | Adaptor - Straight | 12 | 16 |
| 66 | N32394 | Adaptor - Angled | 6 | 8 |
|  | N19000 | Decal - “AIRFLOW ARROW” (Not Shown) | 6 | 6 |


13
11
6
15
14
16
9
11
13
11
13
12
6
10
5
3
12
10
4
7
1
2
8

## Distribution - Broadcast 7252 Deflector Mounts

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19770 | Deflector | As Req'd |
| 2 | N21057 | Square Insert Glide | As Req'd |
| 3 | N21080 | Bar Support - 3/4 Sq x 176 | As Req'd |
| 4 | N21060 | Clamp - Plate | As Req'd |
| 5 | N32967 | Bracket - Deflector | As Req'd |
| 6 | N15098 | U-Bolt - 3/8 x 4 x 5 | As Req'd |
| 7 | N21055 | U-Bolt - 1/4 x 3/4 x 1 3/8 | As Req'd |
| 8 | N21061 | U-Bolt - 1/4 x 3/4 x 2 | As Req'd |
| 9 | C-3918 | Hex Bolt - 3/8 x 5 Lg | As Req'd |
| 10 | W-521 | Lockwasher - 1/4 | As Req'd |
| 11 | W-523 | Lockwasher - 3/8 | As Req'd |
| 12 | W-512 | Hex Nut - 1/4 | As Req'd |
| 13 | W-514 | Hex Nut - 3/8 | As Req'd |
| 14 | N24309 | Deflector Mount | As Req'd |
| 15 | N32968 | Deflector Mount | As Req'd |
| 16 | N24311 | Clamp Strap | As Req'd |

# Distribution
# Divider Head




## Standard Head Combinations

| Head Size | Number of Secondary Outlets | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 Primaries | | | | | | | | | | 4 Primaries | | | | | | | | | | 5 Primaries | | | | | | | | | | | |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 7 Outlet | 3 | 2 | 1 | * | * | * | * | * | * | * | 1 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 Outlet | * | 1 | 2 | 3 | 2 | 1 | * | * | * | * | 3 | 4 | 3 | 2 | 1 | * | * | * | * | * | 4 | 3 | 2 | 1 | * | * | * | * | * | * |
| 9 Outlet | * | * | * | * | 1 | 2 | 3 | 2 | 1 | * | * | * | 1 | 2 | 3 | 4 | 3 | 2 | 1 | * | 1 | 2 | 3 | 4 | 5 | 4 | 3 | 2 | 1 | * |
| 10 Outlet | * | * | * | * | * | * | * | 1 | 2 | 3 | * | * | * | * | * | * | 1 | 2 | 3 | 4 | * | * | * | * | * | 1 | 2 | 3 | 4 | 5 |

| Head Size | Number of Secondary Outlets | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 Primaries | | | | | | | | | | 7 Primaries | | | | | | | | | | 8 Primaries | | | | | | | | | | | |
| | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 7 Outlet | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 Outlet | 3 | 2 | 1 | * | * | * | * | * | * | * | 2 | 1 | * | * | * | * | * | * | * | * | 1 | * | * | * | * | * | * | * | * | * |
| 9 Outlet | 3 | 4 | 5 | 6 | 5 | 4 | 3 | 2 | 1 | * | 5 | 6 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | * | 7 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | * |
| 10 Outlet | * | * | * | * | 1 | 2 | 3 | 4 | 5 | 6 | * | * | * | 1 | 2 | 3 | 4 | 5 | 6 | 7 | * | * | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

## Maximum Head Combinations

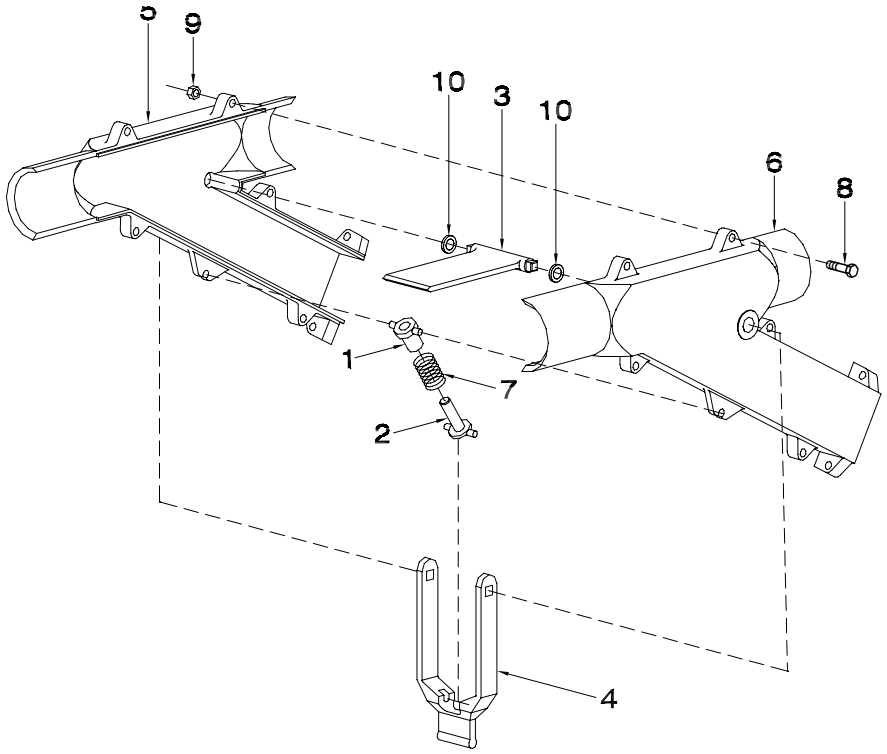
| Head Size | Number of Secondary Outlets | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 Primaries | | | | | | | 4 Primaries | | | | | | | 5 Primaries | | | | | | | | | | | 6 Primaries | | | | | | | |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| 7 Outlet | 3 | 2 | 1 | * | * | * | * | 4 | 3 | 2 | 1 | * | * | * | 5 | 4 | 3 | 2 | 1 | * | * | * | * | * | * | 2 | 1 | * | * | * | * | * |
| 8 Outlet | * | 1 | 2 | 3 | 2 | 1 | * | * | 1 | 2 | 3 | 4 | 3 | 2 | * | 1 | 2 | 3 | 4 | 5 | 4 | 3 | 2 | 1 | * | 4 | 5 | 6 | 5 | 4 | 3 | 2 |
| 9 Outlet | * | * | * | * | 1 | 2 | 3 | * | * | * | * | * | 1 | 2 | * | * | * | * | * | * | 1 | 2 | 3 | 4 | 5 | * | * | * | 1 | 2 | 3 | 4 |
| 10 Outlet | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

| Head Size | Number of Secondary Outlets | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 Primaries | | | | | | | | | | | 8 Primaries | | | | | | | | | | | | | | | | | | | | |
| | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | * | * | * | * |
| 7 Outlet | 3 | 2 | 1 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 Outlet | 4 | 5 | 6 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | * | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 9 Outlet | * | * | * | * | 1 | 2 | 3 | 4 | 5 | 6 | 7 | * | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | * | * | * | * | * |
| 10 Outlet | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | * | * | * | * |

## Distribution - Divider Head

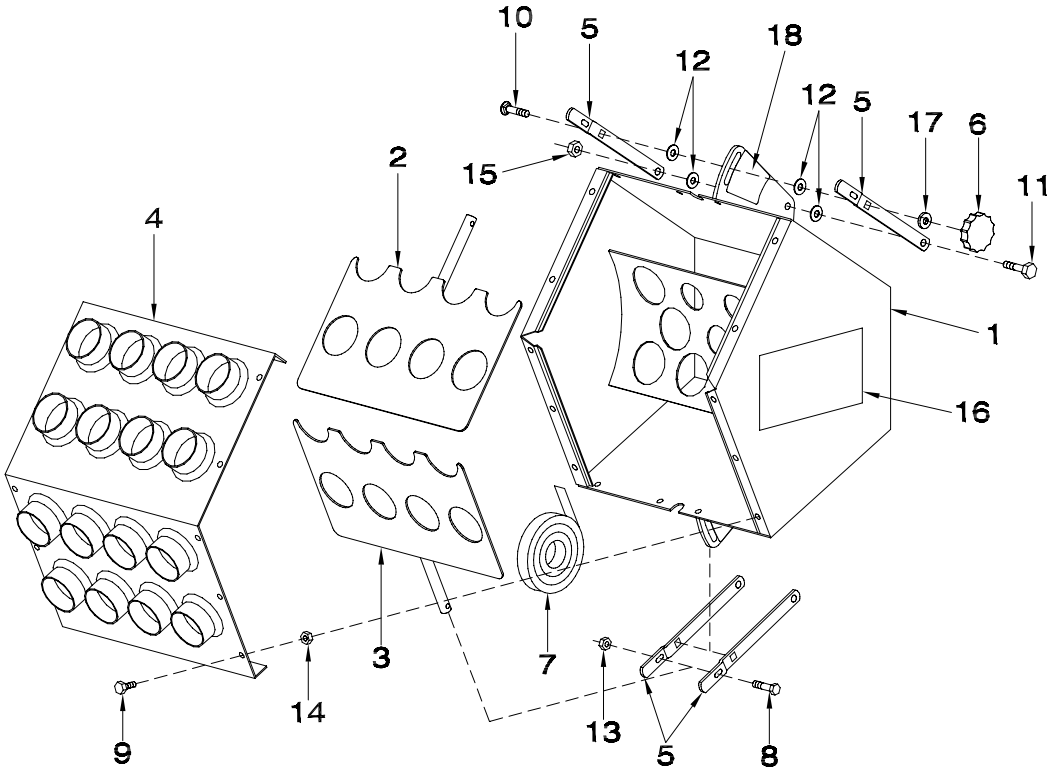
| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **SEVEN OUTLET DIVIDER HEAD** | |
| 1 | N31177 | Divider Head - 7 Outlet | 1 |
| 2 | N31160 | Access Door - 7 Outlet | 1 |
| 3 | N31165 | Clip | 2 |
| 4 | N31171 | Gasket - 7 Outlet | 1 |
| 5 | N31012 | Carriage Bolt - 5/16 x 1 1/4 | 2 |
| 6 | N31014 | Hex Jam Nut - 5/16 | 2 |
| 7 | N31016 | Wing Nut - 5/16 | 2 |
| | N31187 | 7 Outlet Divider Head Assembly (Includes All Above Items) | |
| | | **EIGHT OUTLET DIVIDER HEAD** | |
| 1 | N31178 | Divider Head - 8 Outlet | 1 |
| 2 | N31161 | Access Door - 8 Outlet | 1 |
| 3 | N31165 | Clip | 2 |
| 4 | N31172 | Gasket - 8 Outlet | 1 |
| 5 | N31012 | Carriage Bolt - 5/16 x 1 1/4 | 2 |
| 6 | N31014 | Hex Jam Nut - 5/16 | 2 |
| 7 | N31016 | Wing Nut - 5/16 | 2 |
| | N31188 | 8 Outlet Divider Head Assembly (Includes All Above Items) | |
| | | **NINE OUTLET DIVIDER HEAD** | |
| 1 | N31179 | Divider Head - 9 Outlet | 1 |
| 2 | N31162 | Access Door - 9 Outlet | 1 |
| 3 | N31165 | Clip | 2 |
| 4 | N31173 | Gasket - 9 Outlet | 1 |
| 5 | N31012 | Carriage Bolt - 5/16 x 1 1/4 | 2 |
| 6 | N31014 | Hex Jam Nut - 5/16 | 2 |
| 7 | N31016 | Wing Nut - 5/16 | 2 |
| | N31189 | 9 Outlet Divider Head Assembly (Includes All Above Items) | |
| | | **TEN OUTLET DIVIDER HEAD** | |
| 1 | N31180 | Divider Head - 10 Outlet | 1 |
| 2 | N31163 | Access Door - 10 Outlet | 1 |
| 3 | N31165 | Clip | 2 |
| 4 | N31174 | Gasket - 10 Outlet | 1 |
| 5 | N31012 | Carriage Bolt - 5/16 x 1 1/4 | 2 |
| 6 | N31014 | Hex Jam Nut - 5/16 | 2 |
| 7 | N31016 | Wing Nut - 5/16 | 2 |
| | N31190 | 10 Outlet Divider Head Assembly (Includes All Above Items) | |
| | | **CORRUGATED DIFFUSER PIPE** | |
| 8 | N15135 | Pipe - Corr Diff - Divider Head | 1 |
| 9 | W-469 | Hex Bolt - 1/4 x 3/4 | 3 |
| 10 | W-521 | Lock Washer - 1/4 | 3 |
| 11 | W-512 | Hex Nut - 1/4 | 3 |

# Distribution
# Double Shoot Diverter Valve



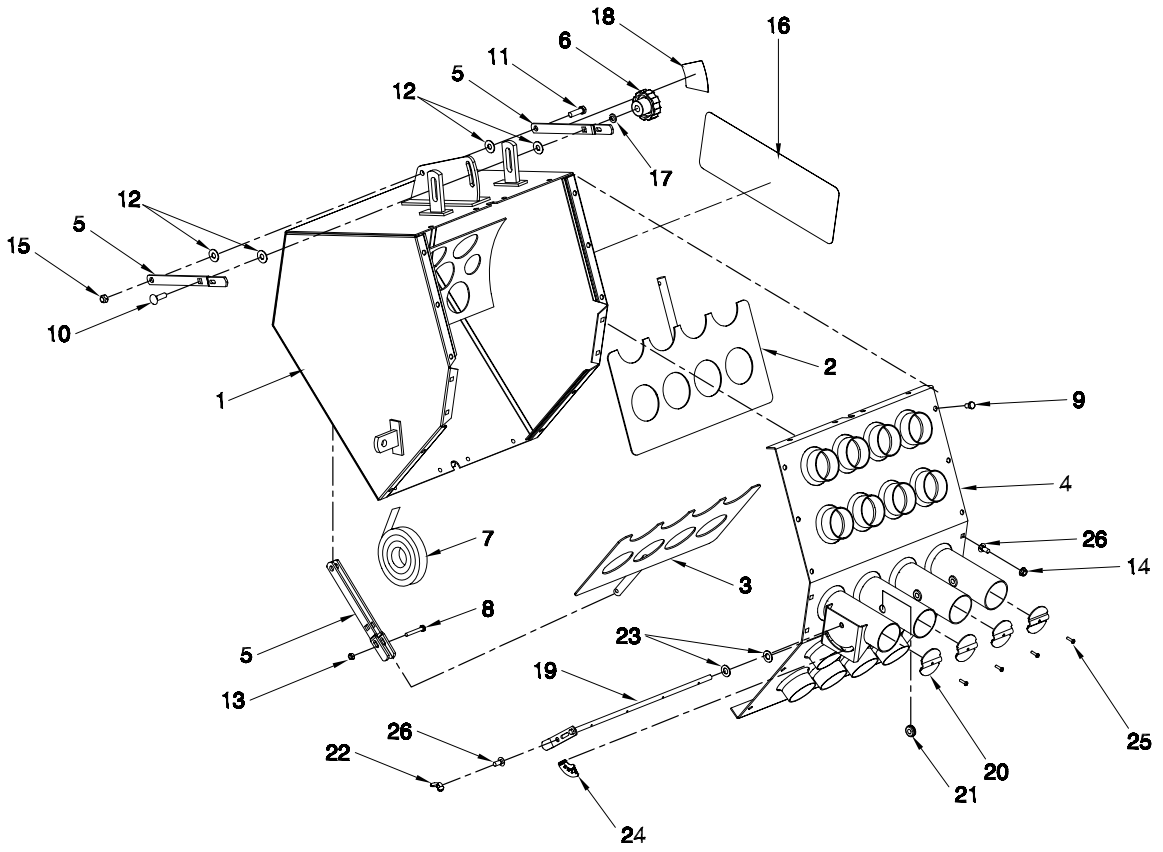

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N29080 | Spring Pin - Female | 1 |
| 2 | N28805 | Spring Pin - Male | 1 |
| 3 | N28806 | Flapper | 1 |
| 4 | N28807 | Handle | 1 |
| 5 | N28808 | Valve Body - Right | 1 |
| 6 | N28809 | Valve Body - Left | 1 |
| 7 | N11847 | Spring - 0.72 OD x 1 3/4 Lg | 1 |
| 8 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 5 |
| 9 | N22778 | Locknut - 1/4 Nylon Insert | 5 |
| 10 | N29472 | O-Ring - 9/16 OD X 7/16 ID | 2 |
| | N30068 | Diverter Valve Assembly - Dual Shoot (Includes All Above Items) | |

# Distribution
# Double Shoot Plenum




| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N28820 | Plenum Body - Dual Shoot | 1 |
| 2 | N28822 | Shutoff Slide - Top | 1 |
| 3 | N28823 | Shutoff Slide - Bottom | 1 |
| 4 | N28817 | Plenum Face Plate - Dual Shoot | 1 |
| 5 | N27843 | Adjustment Strap - Plenum | 4 |
| 6 | D-5204 | Knob - 3/8 UNC (Black) | 2 |
| 7 | D-5590 | Seal Strip - 1/16 x 3/4 (Bulk/Ft) | 7 Ft |
| 8 | C-1471 | Hex Bolt - 1/4 x 1 3/4 Lg | 2 |
| 9 | D-5247 | Hex Bolt - 5/16 x 1/2 Lg | 18 |
| 10 | D-5260 | Carriage Bolt - 3/8 x 1 1/4 Lg | 2 |
| 11 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 2 |
| 12 | D-5579 | Washer - 0.406 ID x 1 OD x 16 Ga | 8 |
| 13 | N15757 | Locknut - 1/4 | 2 |
| 14 | D-5278 | Locknut - 5/16 | 18 |
| 15 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 16 | N28812 | Decal - “Plenum Settings” | 1 |
| 17 | W-523 | Lockwasher - 3/8 | 2 |
| 18 | N28819 | Decal - “Plenum Damper” | 2 |
| | N28824 | Plenum Assembly - Dual Shoot (Includes All Above Items) | |

# Distribution
# Plenum 7252 Broadcast



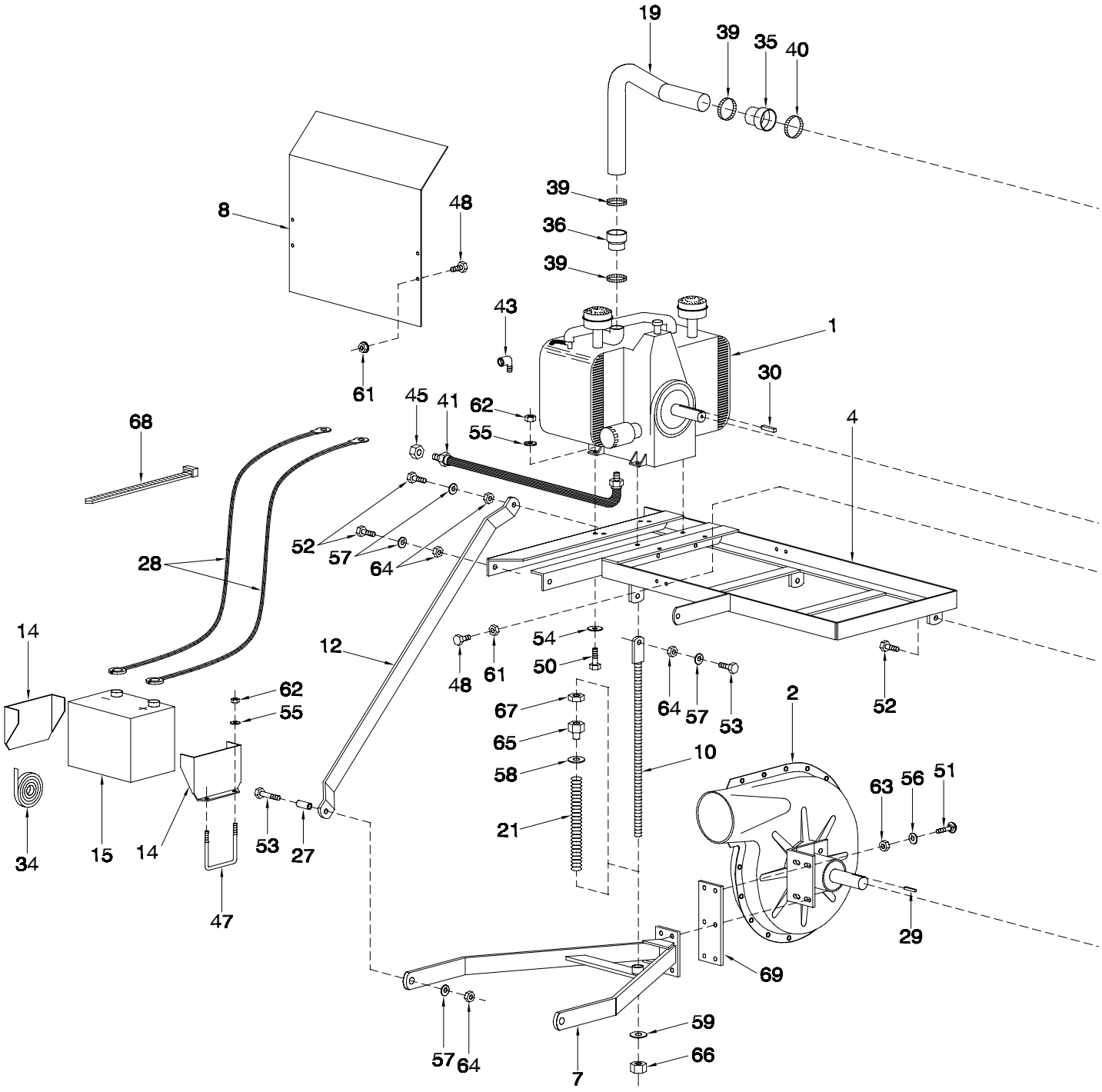

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N32180 | Plenum Body - Broadcast | 1 |
| 2 | N32183 | Shutoff Slide - Top | 1 |
| 3 | N32175 | Shutoff Slide - Bottom | 1 |
| 4 | N32444 | Plenum Face Plate - Broadcast | 1 |
| 5 | N27843 | Adjustment Strap - Plenum | 4 |
| 6 | D-5204 | Knob - 3/8 UNC (Black) | 2 |
| 7 | D-5590 | Seal Strip - 1/16 x 3/4 (Bulk/Ft) | 7 Ft |
| 8 | C-1471 | Hex Bolt - 1/4 x 1 3/4 Lg | 2 |
| 9 | D-5247 | Hex Bolt - 5/16 x 1/2 Lg | 18 |
| 10 | D-5260 | Carriage Bolt - 3/8 x 1 1/4 Lg | 2 |
| 11 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 2 |
| 12 | D-5579 | Washer - 0.406 ID x 1 OD x 16 Ga | 8 |
| 13 | N15757 | Locknut - 1/4 | 2 |
| 14 | D-5278 | Locknut - 5/16 | 22 |
| 15 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 16 | N32974 | Decal - “Plenum Settings” | 1 |
| 17 | W-523 | Lockwasher - 3/8 | 2 |
| 18 | N28819 | Decal - “Plenum Damper” | 2 |
| 19 | N32442 | Handle - Air Valve | 1 |
| 20 | N29057 | Flapper - Air Valve | 4 |
| 21 | N29058 | Grommet - Air Valve | 8 |
| 22 | S-747 | Wing Nut - 5/16 | 1 |
| 23 | S-1201 | Washer - Type A - 0.469 ID x .921 OD x 16 Ga | 2 |
| 24 | N29485 | Decal - Open/Closed | 1 |
| 25 | N29486 | Screw - #10 x 3/4 Hex Self Tap | 4 |
| 26 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 5 |
| | N32440 | Plenum Assembly - Broadcast (Includes All Above Items) | |

# Section 5:
# Fan & Auger Drives

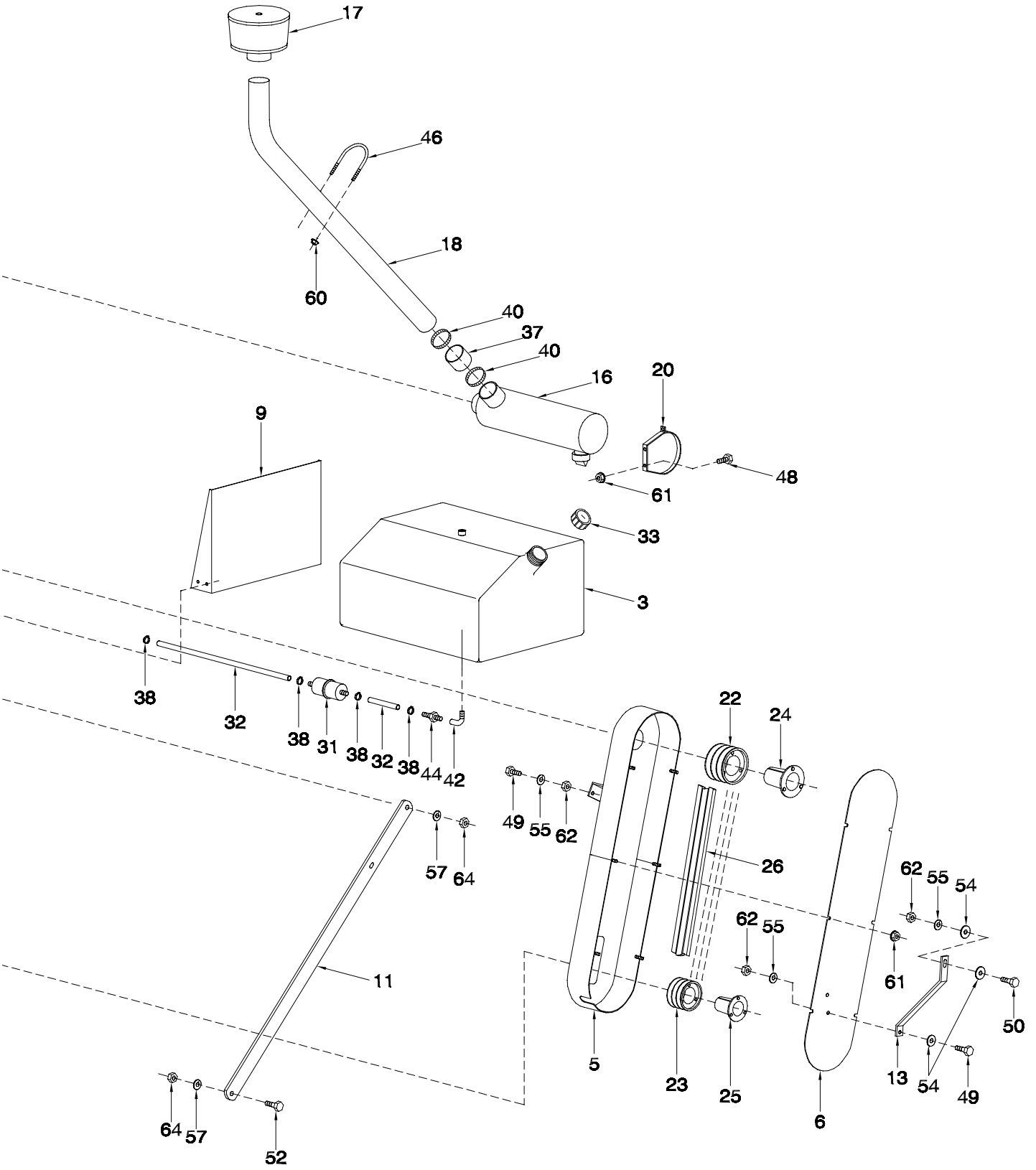
## Section Contents

Engine Drive Fan ..... 5-2
Engine Drive Auger Hydraulics ..... 5-6
Tow Behind Hydraulic Drive w/o Auger ..... 5-8
Tow Behind Hydraulic Drive w/Auger ..... 5-10
Tow Between Hydraulic Drive w/o Auger ..... 5-12
Tow Between Hydraulic Drive w/Auger ..... 5-14
Tow Between Hydraulic Drive w/Front Latch Auger ..... 5-16
Xpress Tow Between Hydraulic Drive (Prior to November 2004) ..... 5-18
Xpress Tow Between Hydraulic Drive (From November 2004) ..... 5-20
Tow Between Implement Hydraulics ..... 5-22

# Fan & Auger Drives
## Engine Drive Fan



## Fan & Auger Drives - Engine Drive Fan



## Fan & Auger Drives - Engine Drive Fan

| | | | |
|---|---|---|---|
| 1 | N19350 | Engine - Kohler - 20 HP - M20 Magnum Series 7130 | 1 |
| | N21336 | Engine - Onan - 24 HP - P-224 Performer Series 7180 / 7240 / 7252 / 7300 | 1 |
| 2 | N19369 | Fan (See Pg 7-1) | 1 |
| 3 | N15410 | Fuel Tank c/w Fuel Cap | 1 |
| 4 | N19295 | Frame - Engine Mount | 1 |
| 5 | N19375 | Guard - Belt (Engine) 7130 | 1 |
| | N21396 | Guard - Belt (Engine) 7180 / 7240 / 7252 / 7300 | 1 |
| 6 | N19380 | Cover - Belt Guard | 1 |
| 7 | N27635 | Mount - Fan (Engine) 7130 / 7180 | 1 |
| | N27636 | Mount - Fan (Engine) 7240 / 7252 / 7300 | 1 |
| 8 | N27741 | Shield - Grain | 1 |
| 9 | N19388 | Shield - Heat | 1 |
| 10 | N19334 | Rod - Adjusting | 1 |
| 11 | N27743 | Strap - Support (Flat) 7130 / 7180 | 2 |
| | N27873 | Strap - Support (Flat) 7240 / 7252 / 7300 | 2 |
| 12 | N27744 | Strap - Support (Formed) 7130 /7180 | 1 |
| | N27874 | Strap - Support (Formed) 7240 / 7252 / 7300 | 1 |
| 13 | N27871 | Strap - Belt Guard | 1 |
| 14 | N19677 | Holder - Battery | 2 |
| 15 | N14244 | Battery - Agricultural - 12 Volt | 1 |
| 16 | N14249 | Air Cleaner | 1 |
| 17 | N14247 | Full View Pre-Cleaner | 1 |
| 18 | N19312 | Pipe - Air Intake - Pre-Cleaner | 1 |
| 19 | N27736 | Pipe - Air Intake 7130 | 1 |
| | N27737 | Pipe - Air Intake 7180 | 1 |
| | N27738 | Pipe - Air Intake 7240 | 1 |
| | N27739 | Pipe - Air Intake 7300 | 1 |
| | N31624 | Pipe - Air Intake 7252 | 1 |
| 20 | N14248 | Band - Mounting | 2 |
| 21 | F12968 | Spring - 1.8 OD x 11 1/4 Inner | 1 |
| 22 | N29461 | Pulley - 3 TA/B 52/56 | 1 |
| 23 | N29459 | Pulley - 3 TA/B 36/40 | 1 |
| 24 | N19318 | Tapered Bushing - P1 x 1 7/16 (Includes Hardware) | 1 |
| 25 | N19317 | Tapered Bushing - P1 x 7/8 (Includes Hardware) | 1 |
| 26 | N31051 | Tri-Power Belt - B x 68 (See Note) | 3 |
| 27 | D-5064 | Bushing - 3/4 OD x 5/8 Lg | 2 |
| 28 | N15010 | Battery Cable - 48 Neg/Pos | 2 |
| 29 | N19084 | Key - 3/16 SQ x 1 1/4 | 1 |
| 30 | N19072 | Key - 3/8 SQ x 2 | 1 |
| 31 | N19660 | Fuel Filter - In Line | 1 |
| 32 | R480031 | Fuel Line - (Bulk/ft) | 3.83ft |
| 33 | N15053 | Fuel Cap | 1 |
| 34 | N15716 | Seal Strip - 1/4 x 1 (Bulk/ft) | 4 Ft |
| 35 | N19007 | Reducer - Air Intake - 2 1/2 Dia to 2 Dia | 1 |
| 36 | N19008 | Reducer - 2 Dia to 1 3/4 Dia 7130 | 1 |
| | R480069 | Connector - 2 ID x 3 Lg (Bulk/ft) 7180 / 7240 / 7252 / 7300 | 1 |
| 37 | R480070 | Hose - 2 1/2 Dia x 3 Lg (Bulk/ft) | 1 |
| 38 | N15715 | Hose Clamp - 1/2 Dia | 4 |
| 39 | N19010 | Hose Clamp - 2 Dia | 3 |
| 40 | N19009 | Hose Clamp - 2 1/2 Dia | 3 |
| 41 | N19520 | Hyd Hose - 3/8 x 28 Lg w/3/4-16 MJIC x 3/8 MNPT | 1 |
| 42 | W-565 | Street Elbow - 1/4 NPT | 1 |
| 43 | N21633 | Street Elbow - 1 NPT x 90 degree 7130 ONLY | 2 |
| 44 | N15018 | Male Barbed Fitting - 1/4 NPT | 1 |
| 45 | D10820 | Plug Cap - 1/2 FJIC | 1 |
| 46 | N15096 | U-Bolt - 1/4 Dia x 2 1/2 | 1 |

## Fan & Auger Drives - Engine Drive Fan

| | | | |
|---|---|---|---|
| 47 | N19723 | U-Bolt - 3/8 x 4 1/16 x 6 15/16 | 2 |
| 48 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 12 |
| 49 | W-475 | Hex Bolt - 3/8 x 1 Lg | 3 |
| 50 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg 7130 | 5 |
| | W-477 | Hex Bolt - 3/8 x 1 1/2 Lg 7180 / 7240 / 7252 / 7300 | 5 |
| 51 | D-5262 | Carriage Bolt - 7/16 x 2 Lg | 4 |
| 52 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 8 |
| 53 | W-488 | Hex Bolt - 1/2 x 2 Lg | 2 |
| 54 | D-5489 | Flatwasher - 3/8 | 7 |
| 55 | W-523 | Lockwasher - 3/8 | 12 |
| 56 | W-524 | Lockwasher - 7/16 | 4 |
| 57 | W-525 | Lockwasher - 1/2 | 10 |
| 58 | C12375 | Spring Rest Washer - 3/4 | 1 |
| 59 | W-541 | Flatwasher - 3/4 | 1 |
| 60 | D-5277 | Serrated Locknut - 1/4 | 2 |
| 61 | D-5278 | Serrated Locknut - 5/16 | 18 |
| 62 | W-514 | Hex Nut - 3/8 | 11 |
| 63 | W-515 | Hex Nut - 7/16 | 4 |
| 64 | W-516 | Hex Nut - 1/2 | 10 |
| 65 | C12376 | Spring Rod Nut - 3/4 | 1 |
| 66 | D-5275 | Locknut - 3/4 Unitorque | 1 |
| 67 | W-575 | Jam Nut - 3/4 | 1 |
| 68 | D-4838 | Tie Strap | 5 |
| 69 | N27466 | Plate - Adaptor - Dual Plenum | 1 |

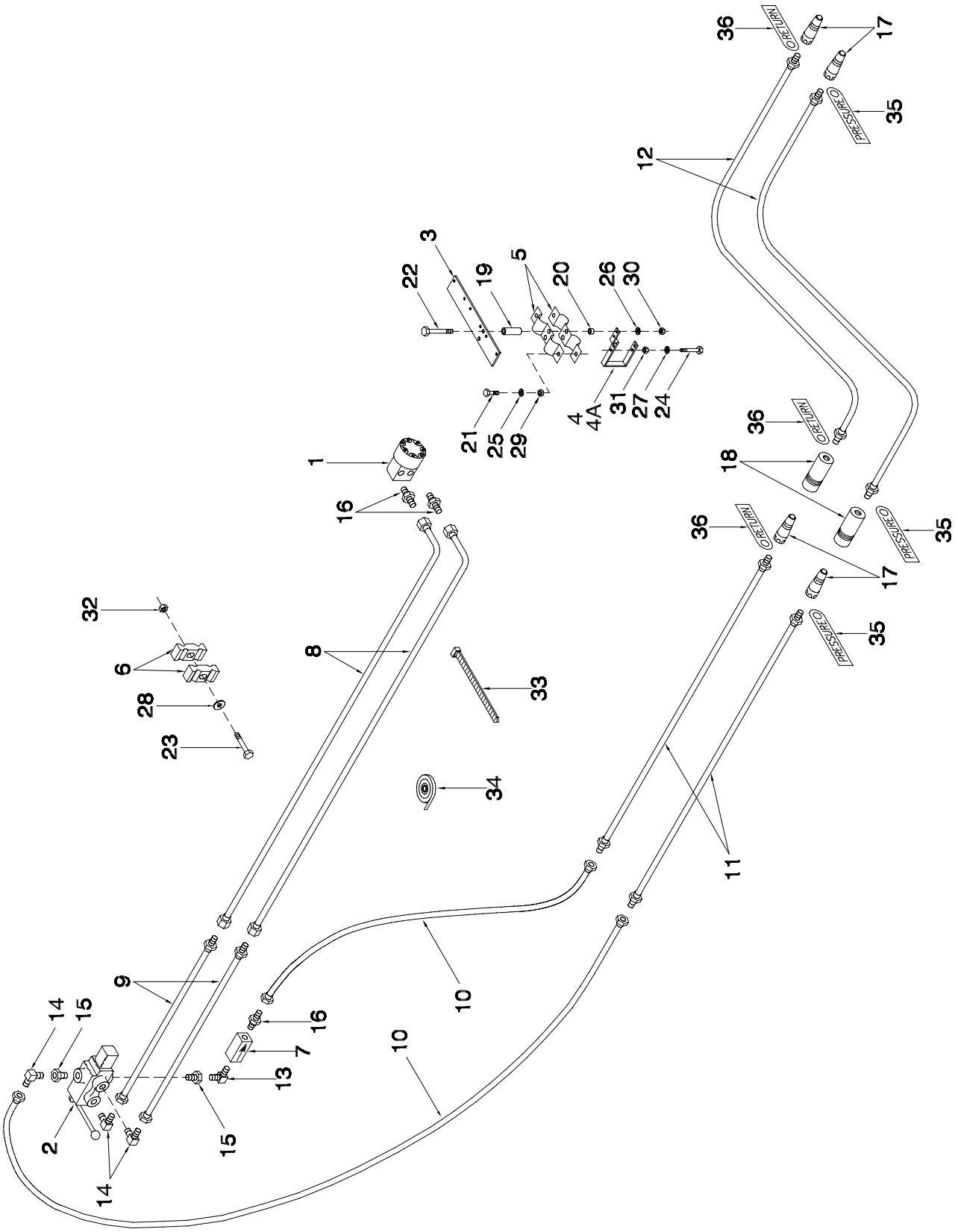
**The Following Are Not Shown:**

| | | |
|---|---|---|
| N19002 | Wire Connector - (Package of 3) | 1 |
| N19019 | Decal - Warning "ROTATING SHIELD" | 1 |
| N19023 | Decal - Danger "HOT" | 1 |
| N21170 | Decal - "UNLEADED FUEL ONLY" | 1 |
| C-3902 | Decal - "MORRIS" | 1 |
| N19280 | Oil Filter 7130 | |
| N21408 | Oil Filter 7180 / 7240 / 7252 / 7300 | |
| N19282 | Gas Filter 7130 | |
| N21409 | Gas Filter 7180 / 7240 / 7252 / 7300 | |
| N15956 | Primary Air Element | |
| N15957 | Safety Air Element | |

Note:
For Air Carts with Pulleys #N19316 (3TA56) and #N16634 (3TA40)
use Belt #N19314

For Air Carts with Pulleys #N29461 (3TA/B 52/56) and #N29459 (3TA/B 36/40)
use Belt #N31051

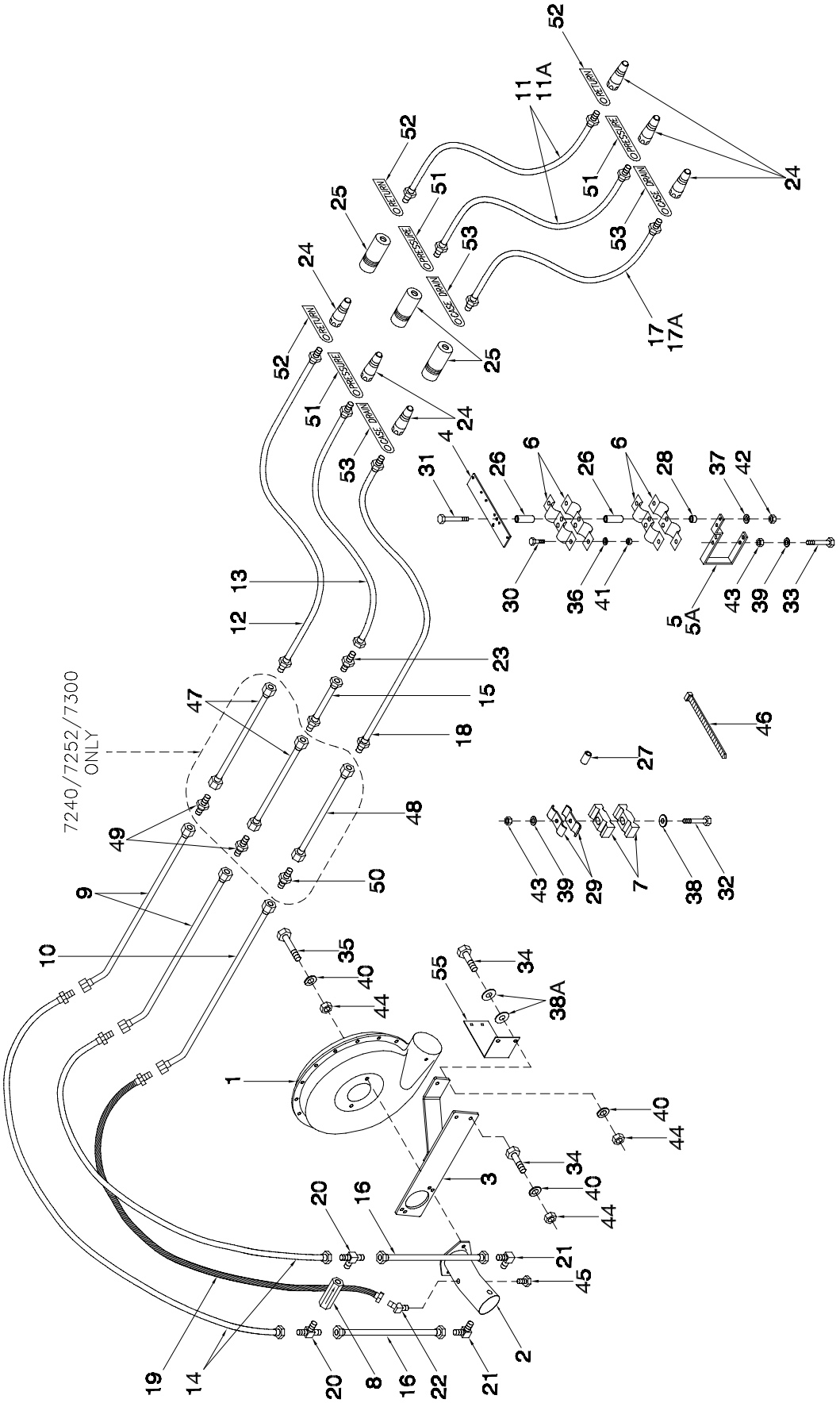
# Fan & Auger Drives
## Engine Drive Auger Hydraulics



## Fan & Auger Drives - Engine Drive Auger Hydraulics

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 2 | N15024 | Control Valve | 1 |
| | N31605 | Seal kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 3 | N21690 | Mount Bracket | 1 |
| 4 | N21691 | Mount Bracket - 4 | 1 |
| 4A | N27589 | Mount Bracket - 6 | 1 |
| 5 | N16608 | Pioneer Coupler Clamp | 2 |
| 6 | C-4698 | Nylon Oil Line Clamp | 4 |
| 7 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 8 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 9 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 2 |
| 10 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 FJIC 7130 / 7180 / 7252 | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 FJIC 7240 / 7300 | 2 |
| 11 | N16146 | Hyd Hose - 1/2 x 192 Lg w/7/8-14 MJIC x 1/2 MNPT | 2 |
| 12 | N19454 | Hyd Hose - 1/2 x 396 Lg w/1/2 MNPT | 2 |
| 13 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 14 | C-4400 | 90 Male Elbow - 1/2 MNPT x 7/8-14 MJIC | 3 |
| 15 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 2 |
| 16 | C-4399 | Male Adapter - 1/2 MNPT x 7/8-14 MJIC | 3 |
| 17 | C-817 | Male Pioneer Tip - 1/2 FNPT | 4 |
| 18 | C-818 | Pioneer Coupler - 1/2 FNPT | 2 |
| 19 | N19458 | Spacer | 2 |
| 20 | N13901 | Bushing - 5/8 OD x 3/8 ID x 3/8 Lg | 2 |
| 21 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 2 |
| 22 | N15196 | Hex Bolt - 5/16 x 4 Lg | 2 |
| 23 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 24 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 1 |
| 25 | W-521 | Lockwasher - 1/4 | 2 |
| 26 | W-522 | Lockwasher - 5/16 | 2 |
| 27 | W-523 | Lockwasher - 3/8 | 1 |
| 28 | W-538 | Flatwasher - 3/8 | 2 |
| 29 | W-512 | Hex Nut - 1/4 | 2 |
| 30 | W-513 | Hex Nut - 5/16 | 2 |
| 31 | W-514 | Hex Nut - 3/8 | 1 |
| 32 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 33 | D-4838 | Tie Strap | 10 |
| 34 | W-3022 | Teflon Tape | 1 |
| 35 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 3 |
| 36 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 3 |

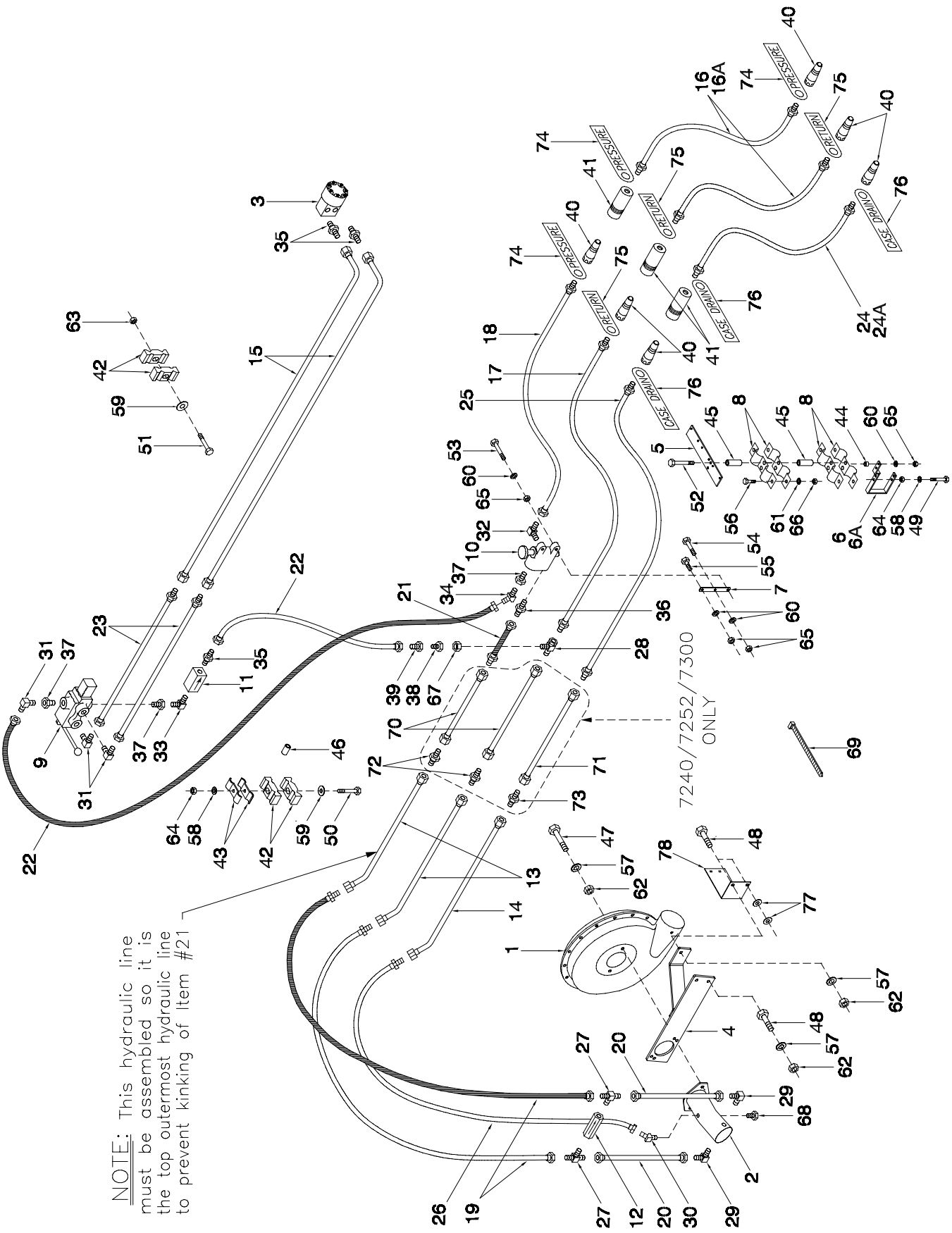
# Fan & Auger Drives
## Tow Behind Hydraulic Drive w/o Auger



## Fan & Auger Drives - Tow Behind Hydraulic Drive w/o Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See Pg 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300 | 1 |
| | N25508 | Seal Kit for Rexroth Motors (Seal Only - N25507) | |
| 3 | N19357 | Fan Bracket - Tow Behind | 1 |
| | N32512 | Fan Bracket - Tow Behind 7252 - Broadcast | 1 |
| 4 | N21690 | Mount Bracket | 1 |
| 5 | N21691 | Mount Bracket - 4 | 1 |
| 5A | N27589 | Mount Bracket - 6 | 1 |
| 6 | N16608 | Pioneer Coupler Clamp | 4 |
| 7 | C-4698 | Nylon Oil Line Clamp | 4 |
| 8 | N16399 | Check Valve - 3 PSI - 1 1/16-12 ORB | 1 |
| 9 | N27601 | Oil Line - 1 x 108 Lg w/45 Bend | 2 |
| 10 | N27602 | Oil Line - 1/2 x 112 Lg w/45 Bend | 1 |
| 11 | N19442 | Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT | 2 |
| 11A | N19452 | Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT | 2 |
| 11B | N44955 | Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB (5-Frame Contour Air Drill) | 2 |
| 12 | N19344 | Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT | 1 |
| 13 | N19343 | Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 FJIC x 1/2 MNPT | 1 |
| 14 | N19434 | Hyd Hose - 3/4 x 35 Lg w/15/16-12 MJIC x 11/16-12 FJIC | 2 |
| 15 | N19342 | Hyd Hose - 3/4 x 12 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC | 1 |
| 16 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 2 |
| 17 | N19443 | Hyd Hose - 3/8 x 396 Lg w/1/2 MNPT | 1 |
| 17A | N19451 | Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT | 1 |
| 17B | N44956 | Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB (5-Frame Contour Air Drill) | 1 |
| 18 | N19346 | Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT | 1 |
| 19 | N19475 | Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 FJIC | 1 |
| 20 | N16388 | Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC | 2 |
| 21 | N16359 | 90 Male Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC | 2 |
| 22 | N19578 | 45 Male Elbow - 9/16-18 ORB x 9/16-18 MJIC | 1 |
| 23 | N19348 | Connector - 1 1/16-12 MJIC | 1 |
| 24 | C-817 | Male Pioneer Tip - 1/2 FNPT | 6 |
| 25 | C-818 | Pioneer Coupler - 1/2 FNPT | 3 |
| 26 | N19458 | Spacer | 4 |
| 27 | N21632 | Oil Line Spacer | 1 |
| 28 | N13901 | Bushing - 5/8 OD x 3/8 ID x 3/8 Lg | 2 |
| 29 | D-4808 | Oil Line Clamp | 4 |
| 30 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 31 | S13337 | Hex Bolt - 5/16 x 6 Lg | 2 |
| 32 | D-5249 | Hex Bolt - 3/8 x 3 1/4 Lg | 2 |
| 33 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 1 |
| 34 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 4 |
| 35 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 36 | W-521 | Lockwasher - 1/4 | 4 |
| 37 | W-522 | Lockwasher - 5/16 | 2 |
| 38 | W-538 | Flatwasher - 3/8 | 2 |
| 38A | S-751 | Washer - 1.125 OD x .531 ID x .188 | 2 |
| 39 | W-523 | Lockwasher - 3/8 | 3 |
| 40 | W-525 | Lockwasher - 1/2 | 5 |
| 41 | W-512 | Hex Nut - 1/4 | 4 |
| 42 | W-513 | Hex Nut - 5/16 | 2 |
| 43 | W-514 | Hex Nut - 3/8 | 3 |
| 44 | W-516 | Hex Nut - 1/2 | 5 |
| 45 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 46 | D-4838 | Tie Strap | 10 |
| 47 | N28659 | Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY | 2 |
| 48 | N28658 | Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY | 1 |
| 49 | N16346 | Connector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY | 2 |
| 50 | N25754 | Connector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY | 1 |
| 51 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 3 |
| 52 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 3 |
| 53 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 3 |
| 54 | N29373 | Key - 6mm x 15 Lg (Not Shown) | 1 |
| 55 | N21475 | Slow Moving Sign Bracket (Hydraulic Drive ONLY) | 1 |
| | N19023 | Decal - Danger “HOT” (Not Shown) | 1 |

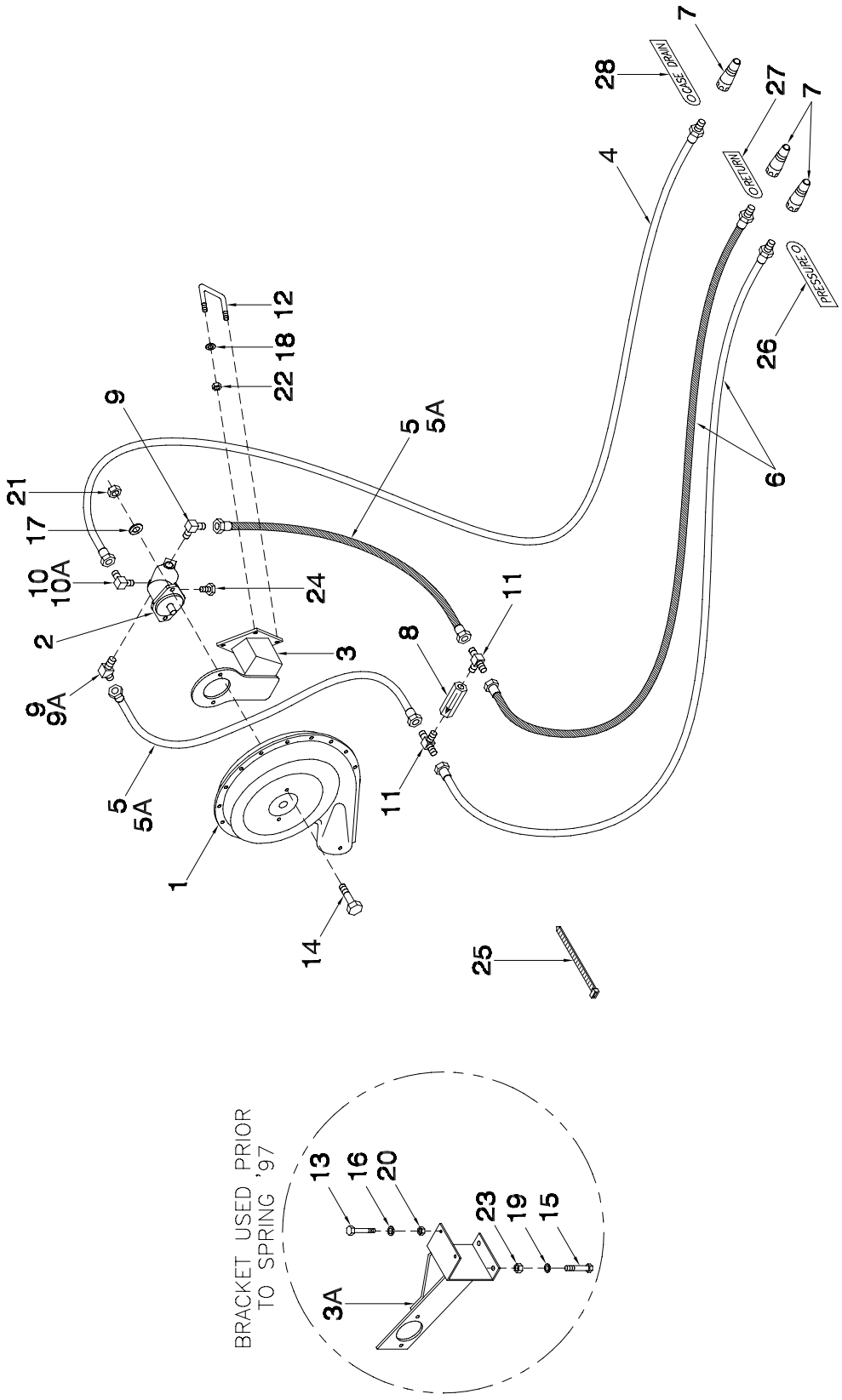
# Fan & Auger Drives
## Tow Behind Hydraulic Drive w/Auger



## Fan &Auger Drives- Tow Behind Hydraulic Drive w/Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180/7240 /7252/ 7300 | 1 |
| | N25508 | Seal Kit for Rexroth Motors | |
| | N25507 | Seal Only for Rexroth Motors | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N19357 | Fan Bracket - Tow Behind | 1 |
| | N32512 | Fan Bracket - Tow Behind 7252 - Broadcast | 1 |
| 5 | N21690 | Mount Bracket | 1 |
| 6 | N21691 | Mount Bracket - 4 | 1 |
| 6A | N27589 | Mount Bracket - 6 | 1 |
| 7 | N19713 | Strap | 1 |
| 8 | N16608 | Pioneer Coupler Clamp | 4 |
| 9 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 10 | N19340 | Selector Valve - 3/4 FNPT | 1 |
| | N31603 | Seal Kit for N19340 | |
| | C26358 | Knob for N19340 | |
| 11 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 12 | N16399 | Check Valve - 3 PSI - 1 1/16-12 ORB | 1 |
| 13 | N27601 | Oil Line - 1 x 108 Lg w/45 Bend | 2 |
| 14 | N27602 | Oil Line - 1/2 x 112 Lg w/45 Bend | 1 |
| 15 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 16 | N19442 | Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT | 2 |
| 16A | N19452 | Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT | 2 |
| 16B | N44955 | Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB (5-Frame Contour Air Drill) | 2 |
| 17 | N19344 | Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT | 1 |
| 18 | N19343 | Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 MJIC x 1/2 MNPT | 1 |
| 19 | N19434 | Hyd Hose - 3/4 x 35 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 20 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 2 |
| 21 | N19342 | Hyd Hose - 3/4 x 12 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC | 1 |
| 22 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC ... Used on 7130 / 7180 / 7252 | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC ... Used on 7240 / 7300 | 2 |
| 23 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 2 |
| 24 | N19443 | Hyd Hose - 3/8 x 396 Lg w/1/2 MNPT | 1 |
| 24A | N19451 | Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT | 1 |
| 24B | N44956 | Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB (5-Frame Contour Air Drill) | 1 |
| 25 | N19346 | Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT | 1 |
| 26 | N19475 | Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 MJIC ... | 1 |
| 27 | N16388 | Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC | 1 |
| 28 | N19336 | Swivel Tee - (1) 1 5/16-12 FJIC x (2) 1 5/16-12 MJIC | 1 |
| 29 | N16359 | 90 Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC | 2 |
| 30 | N19578 | 45 Elbow - 9/16-18 ORB x 9/16-18 MJIC | 1 |
| 31 | C-4400 | 90 Elbow - 1/2 MNPT x 7/8-14 MJIC | 3 |
| 32 | N19341 | 90 Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 1 |
| 33 | N15033 | 90 Elbow - 1/2 MNPT | 1 |
| 34 | C-4402 | 45 Elbow - 1/2 MNPT x 7/8-14 MJIC | 1 |
| 35 | C-4399 | Adapter - 1/2 MNPT x 7/8-14 MJIC | 3 |
| 36 | N19339 | Adapter - 1 1/16-12 MJIC x 3/4 MNPT | 1 |
| 37 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 3 |
| 38 | N19338 | Reducer - 1 1/16-12 MJIC | 1 |
| 39 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 1 |
| 40 | C-817 | Male Pioneer Tip - 1/2 FNPT | 6 |
| 41 | C-818 | Pioneer Coupler - 1/2 FNPT | 3 |
| 42 | C-4698 | Nylon Oil Line Clamp | 8 |
| 43 | D-4808 | Oil Line Clamp | 4 |
| 44 | N13901 | Bushing - 5/8 OD x 3/8 ID x 3/8 Lg | 2 |
| 45 | N19458 | Spacer | 4 |
| 46 | N21632 | Oil Line Spacer | 1 |
| 47 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 48 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 4 |
| 49 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 1 |
| 50 | D-5249 | Hex Bolt - 3/8 x 3 1/4 Lg | 2 |
| 51 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 52 | S13337 | Hex Bolt - 5/16 x 6 Lg | 2 |
| 53 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 54 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 1 |
| 55 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 1 |
| 56 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 57 | W-525 | Lockwasher - 1/2 | 6 |
| 58 | W-523 | Lockwasher - 3/8 | 3 |
| 59 | W-538 | Flatwasher - 3/8 | 4 |
| 60 | W-522 | Lockwasher - 5/16 | 5 |
| 61 | W-521 | Lockwasher - 1/4 | 4 |
| 62 | W-516 | Hex Nut - 1/2 | 6 |
| 63 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 64 | W-514 | Hex Nut - 3/8 | 3 |
| 65 | W-513 | Hex Nut - 5/16 | 5 |
| 66 | W-512 | Hex Nut - 1/4 | 4 |
| 67 | N19432 | Nut - 1 5/16-12 JIC | 1 |
| 68 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 69 | D-4838 | Tie Strap | 15 |
| 70 | N28659 | Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY | 2 |
| 71 | N28658 | Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY | 1 |
| 72 | N16346 | Conector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY | 2 |
| 73 | N25754 | Conector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY | 1 |
| 74 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 3 |
| 75 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 3 |
| 76 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 3 |
| 77 | S-751 | Washer - 1.125 OD x .531 ID x .188 | 2 |
| 78 | N21475 | Slow Moving Sign Bracket (Hydraulic Drive ONLY) | 1 |
| | N19031 | Decal - “AUGER FAN” (Not Shown) | 1 |
| | N19023 | Decal - Danger “HOT (Not Shown) | 1 |

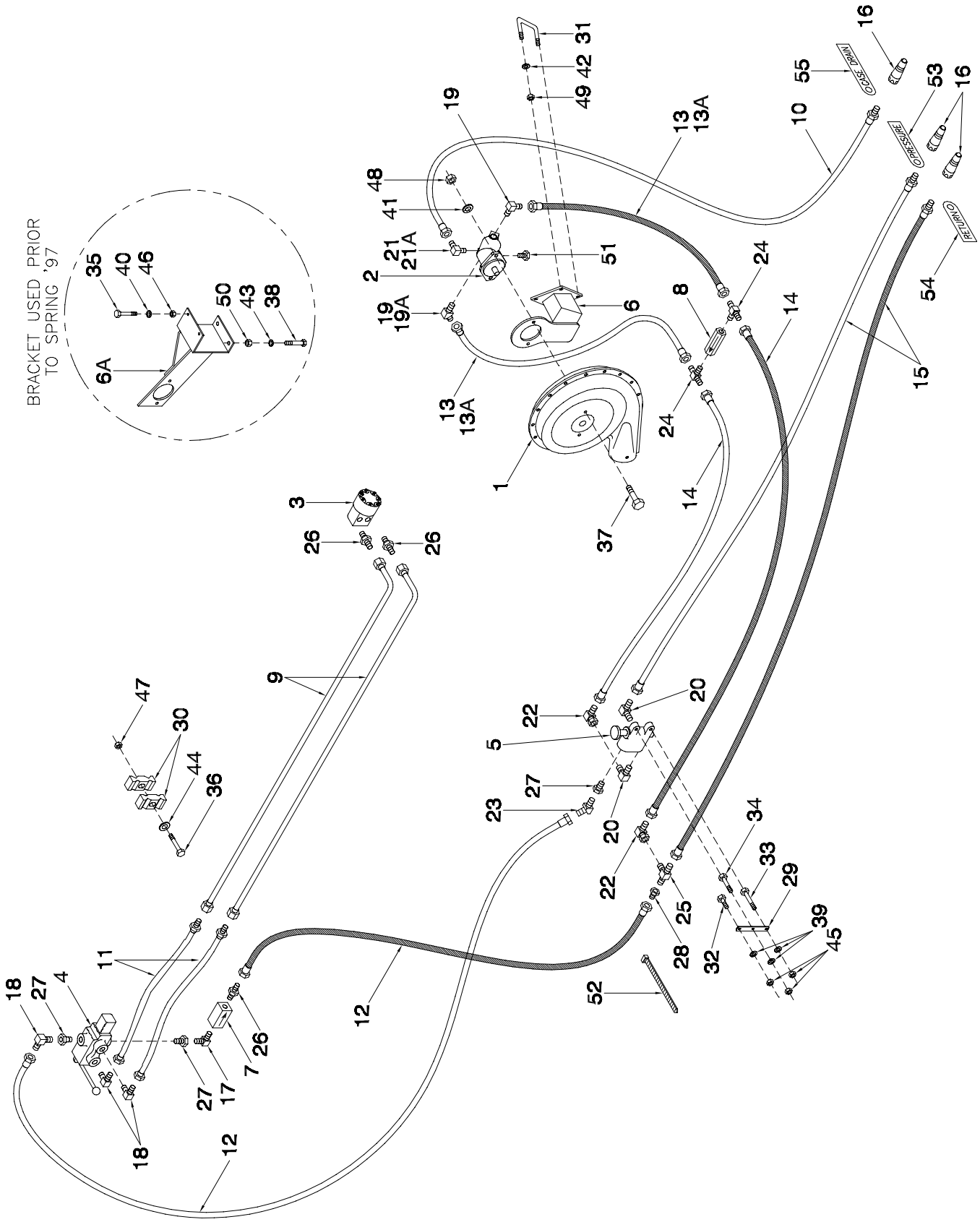
# Fan & Auger Drives
# Tow Between Hydraulic Drive w/o Auger



## Fan & Auger Drives - Tow Between Hydraulic Drive w/o Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 7252 / 7300 | 1 |
| | N25508 | Seal Kit for Rexroth Motors (Seal Only - N25507) | |
| 3 | N31032 | Fan Mount Bracket 7130 / 7180 (Spring '97 to Present) | 1 |
| | N31033 | Fan Mount Bracket 7240 / 7300 (Spring '97 to Present) | 1 |
| | N33198 | Fan Mount Bracket 7252 - Broadcast | 1 |
| | N31542 | Fan Mount Bracket 7252 | 1 |
| 3A | N19546 | Fan Mount Bracket (Prior to Spring '97) | 1 |
| 4 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 5 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC (Use with Bracket #3) | 2 |
| 5A | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC (Use with Bracket #3A) | 2 |
| 6 | N16454 | Hyd Hose - 3/4 x 130 Lg w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 7 | C-817 | Male Pioneer Tip - 1/2 FNPT | 3 |
| 8 | N16399 | Check Valve | 1 |
| 9 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB (2 used with Bracket) | 1 |
| 9A | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB (Use with Bracket #3) | 1 |
| 10 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB (Use with Bracket #3) | 1 |
| 10A | N19578 | 45 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB (Use with Bracket #3A) | 1 |
| 11 | N16388 | Male Tee - (2) 1 1/16-12 MJIC x (1) 1 1/16-12 ORB | 2 |
| 12 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 (Use with Bracket #3 on 7130 / 7180) | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/16 (Use with Bracket #3 on 7240 / 7252 / 73 | 2 |
| 13 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg (Use with Bracket #3A) | 2 |
| 14 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 15 | W-497 | Hex Bolt - 5/8 x 1 1/2 Lg (Use with Bracket #3A) | 2 |
| 16 | W-523 | Lockwasher - 3/8 | 2 |
| 17 | W-525 | Lockwasher - 1/2 | 2 |
| 18 | W-525 | Lockwasher - 1/2 (Use with Bracket #3) | 4 |
| 19 | W-526 | Lockwasher - 5/8 (Use with Bracket #3A) | 2 |
| 20 | W-514 | Hex Nut - 3/8 (Use with Bracket #3A) | 2 |
| 21 | W-516 | Hex Nut - 1/2 | 2 |
| 22 | W-516 | Hex Nut - 1/2 (Use with Bracket #3) | 4 |
| 23 | W-517 | Hex Nut - 5/8 (Use with Bracket #3A) | 2 |
| 24 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 25 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 4 |
| 26 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 27 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 28 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 1 |
| | N19023 | Decal - Danger "HOT" (Not Shown) | 1 |

# Fan & Auger Drives
## Tow Between Hydraulic Drive w/Auger

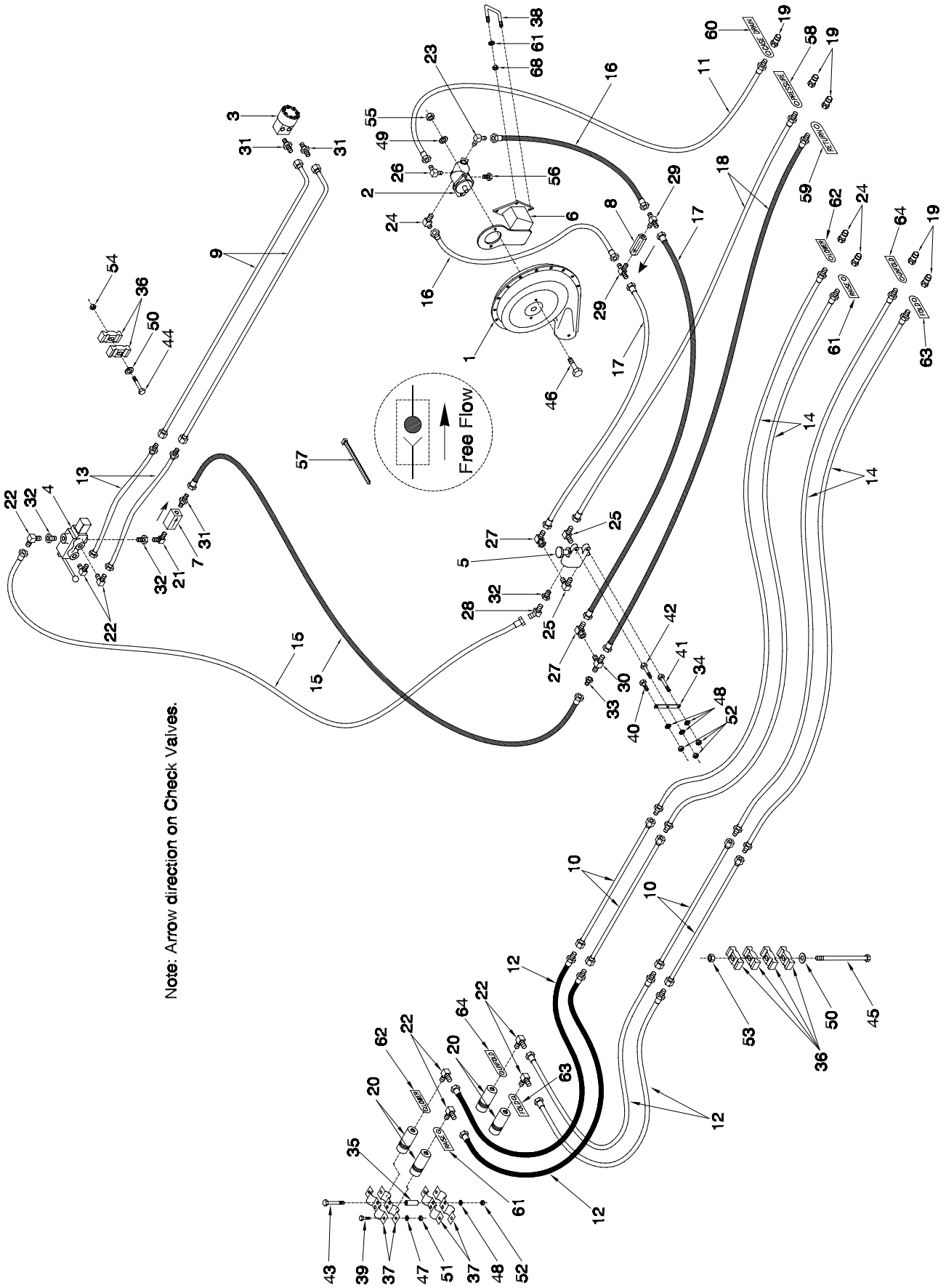


Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300 | 1 |
| | N25508 | Seal Kit for Rexroth Motors | |
| | N25507 | Seal Only for Rexroth Motors | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 5 | N19340 | Selector Valve - 3/4 FNPT | 1 |
| | N31603 | Seal Kit for N19340 | |
| | C26358 | Knob for N19340 | |
| 6 | N31032 | Fan Mount Bracket 7130 / 7180 (Spring '97 to Present) | 1 |
| | N31033 | Fan Mount Bracket 7240 / 7300 (Spring '97 to Present) | 1 |
| | N33198 | Fan Mount Bracket 7252 - Broadcast | 1 |
| | N31542 | Fan Mount Bracket 7252 | 1 |
| 6A | N19546 | Fan Mount Bracket (Prior to Spring '97) | 1 |
| 7 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 8 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 9 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 10 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 11 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 2 |
| 12 | N19365 | Hyd Hose - 1/2x140 Lg w/7/8-14 MJICx7/8-14 FJIC | |
| | | 7130 / 7180 / 7252 (Tow Behind) | 2 |
| | C26343 | Hyd Hose - 1/2 x 162 Lg w/7/8-14 MJIC x 7/8-14 FJIC | |
| | | 7252 (Tow Between) | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC | |
| | | 7240 / 7300 | 2 |
| 13 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC (Use with Brkt #6) | 2 |
| 13A | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC (Use with Brkt #6A) | 2 |
| 14 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 15 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 16 | C-817 | Male Pioneer Tip - 1/2 FNPT | 3 |
| 17 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 18 | C-4400 | 90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 3 |
| 19 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | |
| | | (2 used with Bracket #6A) | 1 |
| 19A | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | |
| | | (Use with Bracket #6) | 1 |
| 20 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 21 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | |
| | | (Use with Bracket #6) | 1 |

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 21A | N19578 | 45 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | |
| | | (Use with Brkt #6A) | 1 |
| 22 | N21189 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | |
| | | (Use with Bracket #6 ONLY) | 2 |
| 23 | C-4402 | 45 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 1 |
| 24 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 25 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 1 |
| 26 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 3 |
| 27 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 3 |
| 28 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 1 |
| 29 | N19713 | Strap | 1 |
| 30 | C-4698 | Nylon Oil Line Clamp | 4 |
| 31 | H21351 | U-Bolt -1/2 x 6 1/16 x 5 1/16 | |
| | | (Use with Bracket #6 on 7130 / 7180) | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/16 | |
| | | (Use with Braket #6 on 7240 / 7252 / 7300) | 2 |
| 32 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 1 |
| 33 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 1 |
| 34 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 35 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg (Use with Bracket #6A) | 2 |
| 36 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 37 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 38 | W-497 | Hex Bolt - 5/8 x 1 1/2 Lg (Use with Bracket #6A) | 2 |
| 39 | W-522 | Lockwasher - 5/16 | 3 |
| 40 | W-523 | Lockwasher - 3/8 (Use with Bracket #6A) | 2 |
| 41 | W-525 | Lockwasher - 1/2 | 2 |
| 42 | W-525 | Lockwasher - 1/2 (Use with Bracket #6) | 4 |
| 43 | W-526 | Lockwasher - 5/8 (Use with Bracket #6A) | 2 |
| 44 | W-538 | Flatwasher - 3/8 | 2 |
| 45 | W-513 | Hex Nut - 5/16 | 3 |
| 46 | W-514 | Hex Nut - 3/8 (Use with Bracket #6A) | 3 |
| 47 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 48 | W-516 | Hex Nut - 1/2 | 2 |
| 49 | W-516 | Hex Nut - 1/2 (Use with Bracket #6) | 4 |
| 50 | W-517 | Hex Nut - 5/8 (Use with Bracket #6A) | 2 |
| 51 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 52 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 4 |
| 53 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 54 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 55 | N29964 | Tag - Hose ID -Air Tank- Fan/Auger - CASE DRAIN | 1 |
| | N19023 | Decal - "Hot" (Not Shown) | 1 |
| | N19031 | Decal - "Auger - Fan" (Not Shown) | 1 |

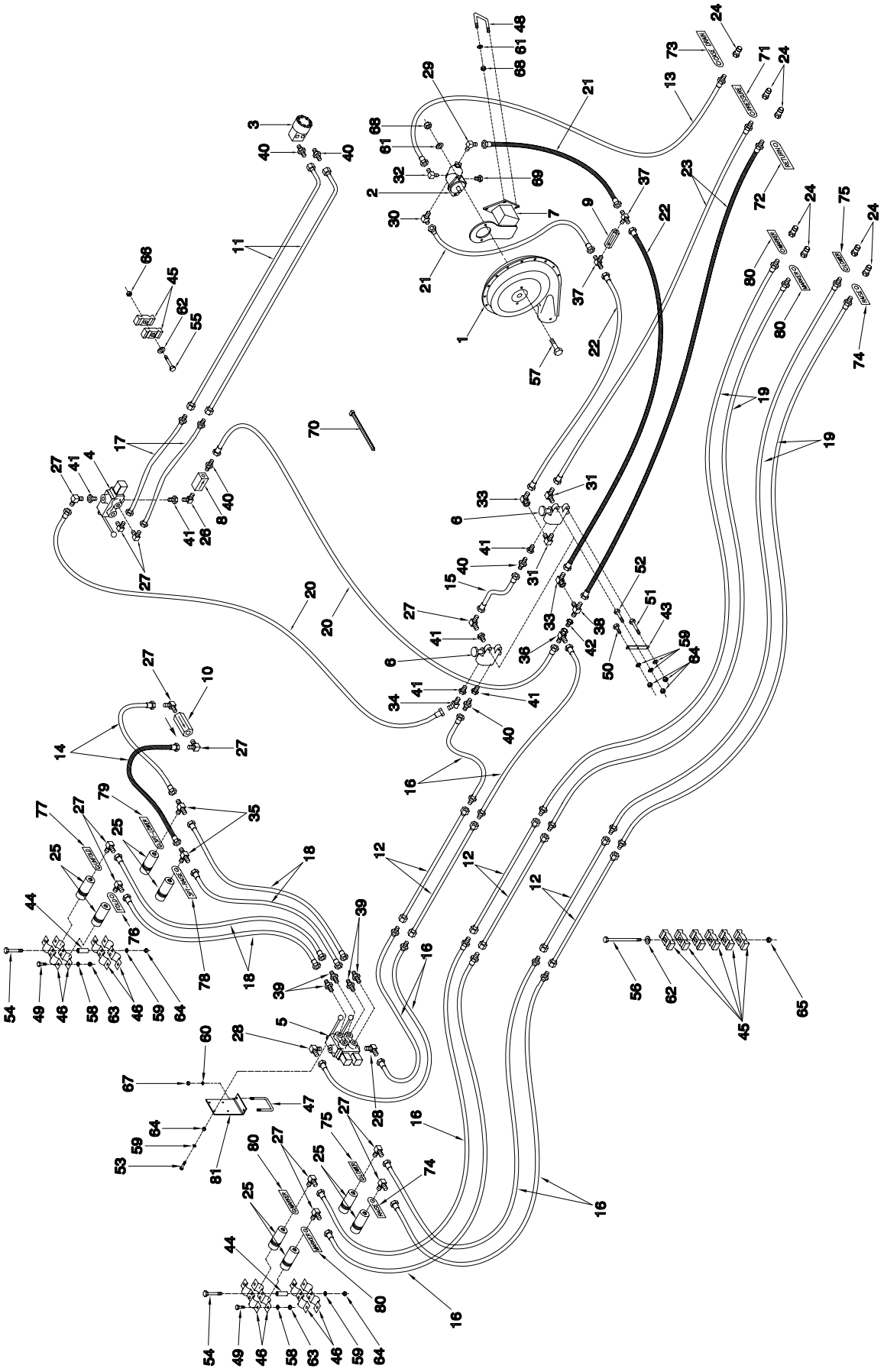
# Fan & Auger Drives
## Tow Between Hydraulic Drive w/Front Latch Auger



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan | 1 |
| 2 | N29372 | Hydraulic Motor - Rexroth - 12cc | 1 |
| | N25508 | Seal Kit for Rexroth Motors - 12cc | |
| | N25507 | Seal Only for Rexroth Motors 12cc | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 5 | N19340 | Selector Valve - 3/4 FNPT | 1 |
| | N31603 | Seal Kit for N19340 | |
| | C36358 | Knob for N19340 | |
| 6 | N31032 | Fan Mount Bracket 7130 / 7180 | 1 |
| | N31033 | Fan Mount Bracket 7240 / 7252 / 7300 | 1 |
| 7 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 8 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 9 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 10 | C-4367 | Oil Line - 5/8 x 80 Lg (7180) | 4 |
| | C-4369 | Oil Line - 5/8 x 96 Lg (7240) | 4 |
| 11 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 12 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 4 |
| 13 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7130 & 7180) | 2 |
| | C-4389 | Hyd Hose - 1/2 x 60 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240, 7252, 7300) | 2 |
| 14 | N19548 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT | 4 |
| 15 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7130, 7180) | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240, 7252, 7300) | 2 |
| 16 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 17 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 18 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 19 | C-817 | Male Pioneer Tip - 1/2 FNPT | 7 |
| 20 | C-818 | Pioneer Coupler - 1/2 FNPT | 4 |
| 21 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 22 | C-4400 | 90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 8 |
| 23 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 24 | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 25 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 26 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | 1 |
| 27 | N21189 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 28 | C-4402 | 45 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 1 |
| 29 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 30 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 1 |
| 31 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 3 |
| 32 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 3 |
| 33 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 1 |
| 34 | N19713 | Strap | 1 |
| 35 | N19458 | Spacer - 2 | 2 |
| 36 | C-4698 | Nylon Oil Line Clamp | 12 |
| 37 | N16608 | Coupler Clamp - Female Pioneer | 4 |
| 38 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 (7130 / 7180) | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/16 (7240 / 7252 / 7300) | 2 |
| 39 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 40 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 1 |
| 41 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 1 |
| 42 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 43 | N28332 | Hex Bolt - 5/16 x 3 1/2 Lg | 2 |
| 44 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 45 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 2 |
| 46 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 47 | W-521 | Lockwasher - 1/4 | 4 |
| 48 | W-522 | Lockwasher - 5/16 | 5 |
| 49 | W-525 | Lockwasher - 1/2 | 2 |
| 50 | W-538 | Flatwasher - 3/8 | 4 |
| 51 | W-512 | Hex Nut - 1/4 | 4 |
| 52 | W-513 | Hex Nut - 5/16 | 5 |
| 53 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 54 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 55 | W-516 | Hex Nut - 1/2 | 2 |
| 56 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 57 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 8 |
| 58 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 59 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 60 | N29964 | Tag - Hose ID - Air Tank- Fan/Auger - CASE DRAIN | 1 |
| 61 | S29958 | Tag - Hose ID - Depth Control - RAISE | 2 |
| 62 | S29959 | Tag - Hose ID - Depth Control - LOWER | 2 |
| 63 | S29960 | Tag - Hose ID - Wing Lift - FOLD | 1 |
| 64 | S29961 | Tag - Hose ID - Wing Lift - UNFOLD | 1 |
| | N19031 | Decal - “Auger/Fan” (Not Shown) | 1 |

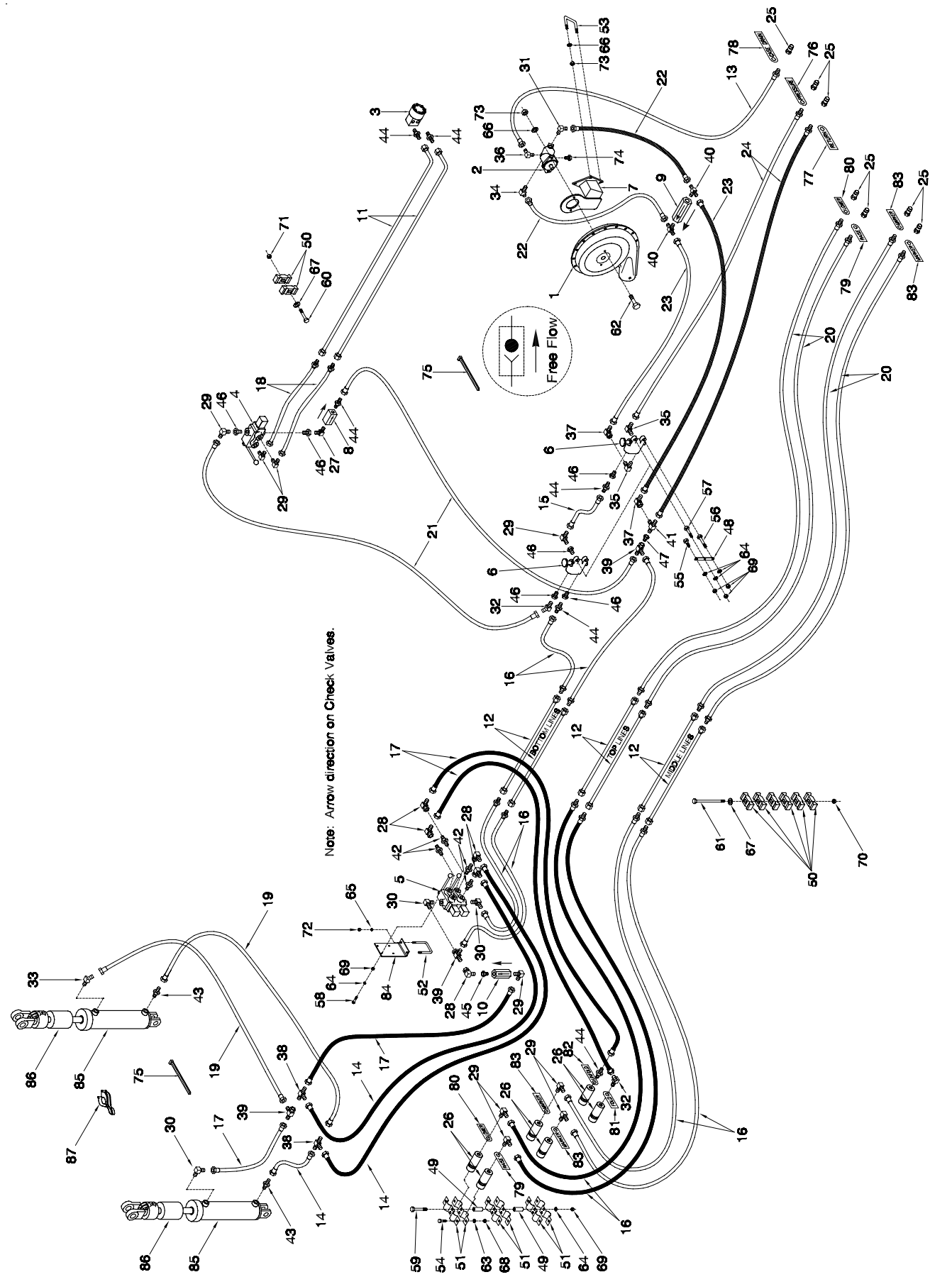
# Fan & Auger Drives
## Xpress Tow Between Hydraulic Drive (Prior to November 2004)



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N29372 | Hydraulic Motor - Rexroth - 12cc | 1 |
| | N25508 | Seal Kit for Rexroth Motors - 12cc | |
| | N25507 | Seal Only for Rexroth Motors 12cc | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | 1 |
| 4 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | 1 |
| 5 | N34048 | Control Valve - Dbl Spool | 1 |
| | N34087 | Seal Kit for N34048 | |
| | N34051 | Handle for N34048 | 1 |
| 6 | N19340 | Selector Valve - 3/4 FNPT | 2 |
| | N31603 | Seal Kit for N19340 | |
| | C36358 | Knob for N19340 | 2 |
| 7 | N31032 | Fan Mount Bracket 7180 | 1 |
| | N31033 | Fan Mount Bracket 7240 | 1 |
| 8 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 9 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 10 | H-5545 | Check Valve - 1/2 FNPT | 1 |
| 11 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 12 | C-4367 | Oil Line - 5/8 x 80 Lg (7180) | 6 |
| | C-4369 | Oil Line - 5/8 x 96 Lg (7240) | 6 |
| 13 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 14 | N34366 | Hyd Hose - 1/2 x 12 Lg w/7/8-14 FJIC | 2 |
| 15 | C-4383 | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC | 1 |
| 16 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 8 |
| 17 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7180) | 2 |
| | C-4389 | Hyd Hose - 1/2 x 60 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240) | 2 |
| 18 | K-5685 | Hyd Hose - 1/2 x 48 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 4 |
| 19 | N19548 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT | 4 |
| 20 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7180) | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240) | 2 |
| 21 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 22 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 23 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 24 | C-817 | Male Pioneer Tip - 1/2 FNPT | 7 |
| 25 | C-818 | Pioneer Coupler - 1/2 FNPT | 8 |
| 26 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 27 | C-4400 | 90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 12 |
| 28 | C24585 | 90 Male Elbow - 7/8-14 MJIC x 3/4-16 ORB | 2 |
| 29 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 30 | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 31 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 32 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | 1 |
| 33 | N21189 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 34 | C-4402 | 45 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 1 |
| 35 | C-4396 | Male Tee - (2) 7/8-14 MJIC x (1) 1/2 MNPT | 2 |
| 36 | H18746 | Swivel Tee - (2) 7/8-14 MJIC x 7/8-14 FJIC | 1 |
| 37 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 38 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 1 |
| 39 | N34047 | Connector - 7/8-14 MJIC x 9/16-18 MORB | 4 |
| 40 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 3 |
| 41 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 6 |
| 42 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 1 |
| 43 | N19713 | Strap | 2 |
| 44 | N19458 | Spacer - 2 | 4 |
| 45 | C-4698 | Nylon Oil Line Clamp | 16 |
| 46 | N16608 | Coupler Clamp - Female Pioneer | 8 |
| 47 | N15098 | U-Bolt - 3/8 x 4 x 5 | 1 |
| 48 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 (7180) | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/16 (7240) | 2 |
| 49 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 8 |
| 50 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 2 |
| 51 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 2 |
| 52 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 2 |
| 53 | S-1302 | Hex Bolt - 5/16 x 2 1/2 Lg | 3 |
| 54 | N28332 | Hex Bolt - 5/16 x 3 1/2 Lg | 4 |
| 55 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 56 | C-3664 | Hex Bolt - 3/8 x 5 Lg | 2 |
| 57 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 58 | W-521 | Lockwasher - 1/4 | 8 |
| 59 | W-522 | Lockwasher - 5/16 | 13 |
| 60 | W-523 | Lockwasher - 3/8 | 2 |
| 61 | W-525 | Lockwasher - 1/2 | 6 |
| 62 | W-538 | Flatwasher - 3/8 | 4 |
| 63 | W-512 | Hex Nut - 1/4 | 8 |
| 64 | W-513 | Hex Nut - 5/16 | 13 |
| 65 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 66 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 67 | W-514 | Hex Nut - 3/8 | 2 |
| 68 | W-516 | Hex Nut - 1/2 | 6 |
| 69 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 70 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 8 |
| 71 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 72 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 73 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 1 |
| 74 | S29958 | Tag - Hose ID - Depth Control - RAISE | 2 |
| 75 | S29959 | Tag - Hose ID - Depth Control - LOWER | 2 |
| 76 | S29960 | Tag - Hose ID - Wing Lift - FOLD | 1 |
| 77 | S29961 | Tag - Hose ID - Wing Lift - UNFOLD | 1 |
| 78 | N34362 | Tag - Hose ID - Three Point Hitch - RAISE | 1 |
| 79 | N34363 | Tag - Hose ID - Three Point Hitch - LOWER | 1 |
| 80 | N34364 | Tag - Hose ID - Wheel Marker | 2 |
| 81 | N34052 | Mounting Plate - Control Valve | 1 |
| | N19031 | Decal - “Auger/Fan” (Not Shown) | 1 |
| | N34026 | Decal - “Auger/Aux Hyd” (Not Shown) | 1 |
| | N34288 | Decal - “Fold/Unfold” (Not Shown) | 1 |

# Fan & Auger Drives
## Xpress Tow Between Hydraulic Drive (From November 2004)

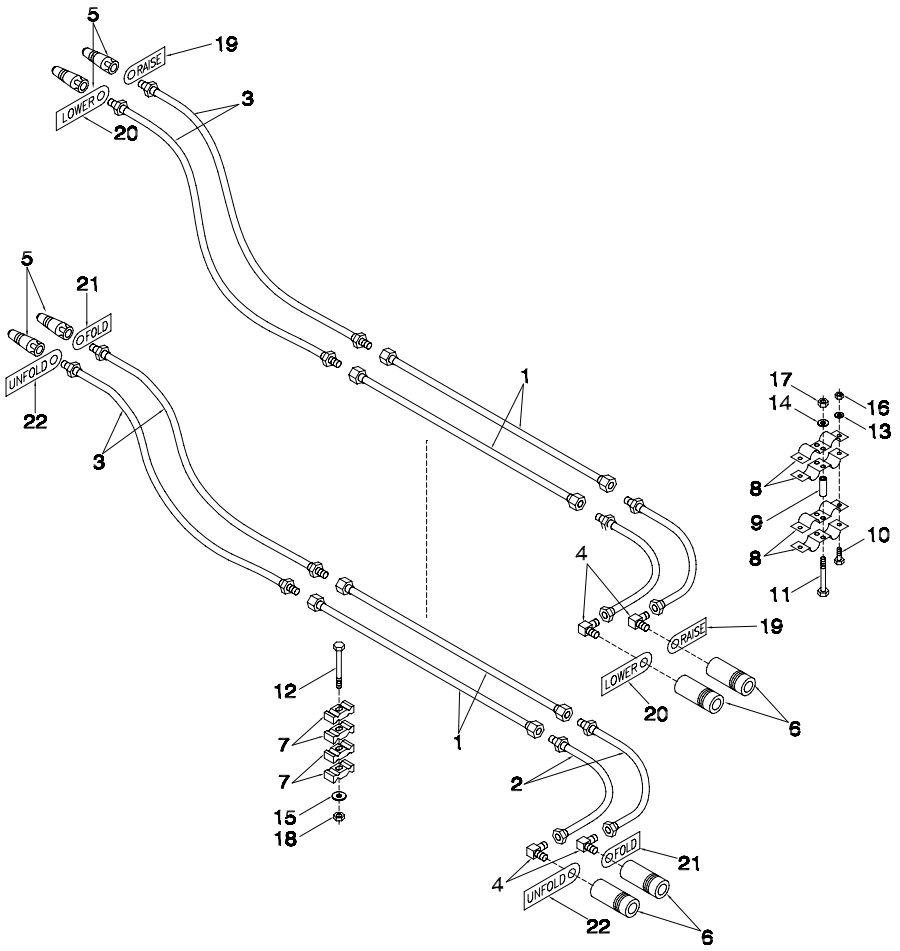


## Fan & Auger Drives - Xpress Tow Between Hydraulic Drive (From November 2004)

Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N29372 | Hydraulic Motor - Rexroth - 12cc | 1 |
| | N25508 | Seal Kit for Rexroth Motors - 12cc | |
| | N25507 | Seal Only for Rexroth Motors 12cc | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 5 | N34048 | Control Valve - Dbl Spool | 1 |
| | N34087 | Seal Kit for N34048 | |
| | N34051 | Handle for N34048 | |
| 6 | N19340 | Selector Valve - 3/4 FNPT | 2 |
| | N31603 | Seal Kit for N19340 | |
| | C36358 | Knob for N19340 | |
| 7 | N31032 | Fan Mount Bracket 7180 | 1 |
| | N31033 | Fan Mount Bracket 7240 | 1 |
| 8 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 9 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 10 | H-5545 | Check Valve - 1/2 FNPT | 1 |
| 11 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 12 | C-4367 | Oil Line - 5/8 x 80 Lg (7180) | 6 |
| | C-4369 | Oil Line - 5/8 x 96 Lg (7240) | 6 |
| 13 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 14 | N34366 | Hyd Hose - 1/2 x 12 Lg w/7/8-14 FJIC | 3 |
| 15 | C-4383 | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC | 1 |
| 16 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 8 |
| 17 | C-4468 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 4 |
| 18 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7180) | 2 |
| | C-4389 | Hyd Hose - 1/2 x 60 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240) | 2 |
| 19 | C18779 | Hyd Hose - 1/2 x 72 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 2 |
| 20 | N19548 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT | 4 |
| 21 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7180) | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240) | 2 |
| 22 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 23 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 2 |
| 24 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 25 | C-817 | Male Pioneer Tip - 1/2 FNPT | 7 |
| 26 | C-818 | Pioneer Coupler - 1/2 FNPT | 6 |
| 27 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 28 | K-5806 | 90 Elbow - 7/8-14 FJIC x 7/8-14 MJIC | 5 |
| 29 | C-4400 | 90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 9 |
| 30 | C24585 | 90 Male Elbow - 7/8-14 MJIC x 3/4-16 ORB | 3 |
| 31 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 32 | C-4402 | 45 Male Elbow - 1/2 MNPT x 7/8-14 MJIC | 2 |
| 33 | C26333 | 45 Male Elbow - 3/4-16 MORB x 7/8-14 MJIC | 1 |
| 34 | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 35 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 36 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | 1 |
| 37 | N21189 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 38 | C-4394 | Male Tee - (3) 7/8-14 MJIC | 2 |
| 39 | H18746 | Swivel Tee - (2) 7/8-14 MJIC x 7/8-14 FJIC | 3 |
| 40 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 41 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 1 |
| 42 | N34047 | Connector - 7/8-14 MJIC x 9/16-18 MORB | 4 |
| 43 | C14840 | Connector - 7/8-14 MJIC x 3/4-16 MORB | 2 |
| 44 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 5 |
| 45 | N40509 | Connector - 7/8-14 FJIC x 1/2 MNPT | 1 |
| 46 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 6 |
| 47 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 1 |
| 48 | N19713 | Strap | 2 |
| 49 | N19458 | Spacer - 2 | 4 |
| 50 | C-4698 | Nylon Oil Line Clamp | 16 |
| 51 | N16608 | Coupler Clamp - Female Pioneer | 6 |
| 52 | N15098 | U-Bolt - 3/8 x 4 x 5 | 1 |
| 53 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 (7180) | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/16 (7240) | 2 |
| 54 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 6 |
| 55 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 2 |
| 56 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 2 |
| 57 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 2 |
| 58 | S-1302 | Hex Bolt - 5/16 x 2 1/2 Lg | 3 |
| 59 | N31314 | Hex Bolt - 5/16 x 5 1/2 Lg | 2 |
| 60 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 61 | C-3664 | Hex Bolt - 3/8 x 5 Lg | 2 |
| 62 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 63 | W-521 | Lockwasher - 1/4 | 8 |
| 64 | W-522 | Lockwasher - 5/16 | 13 |
| 65 | W-523 | Lockwasher - 3/8 | 2 |
| 66 | W-525 | Lockwasher - 1/2 | 6 |
| 67 | W-538 | Flatwasher - 3/8 | 4 |
| 68 | W-512 | Hex Nut - 1/4 | 8 |
| 69 | W-513 | Hex Nut - 5/16 | 13 |
| 70 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 71 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 72 | W-514 | Hex Nut - 3/8 | 2 |
| 73 | W-516 | Hex Nut - 1/2 | 6 |
| 74 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 75 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 12 |
| 76 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 77 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 78 | N29964 | Tag - Hose ID -Air Tank- Fan/Auger - CASE DRAIN | 1 |
| 79 | S29958 | Tag - Hose ID - Depth Control - RAISE | 2 |
| 80 | S29959 | Tag - Hose ID - Depth Control - LOWER | 2 |
| 81 | S29960 | Tag - Hose ID - Wing Lift - FOLD | 1 |
| 82 | S29961 | Tag - Hose ID - Wing Lift - UNFOLD | 1 |
| 83 | N34364 | Tag - Hose ID - Wheel Marker | 4 |
| 84 | N34052 | Mounting Plate - Control Valve | 1 |
| 85 | C26300 | Cylinder - 4 x 12 Lg | 2 |
| 86 | N32069 | Spacer - Stroke Control 1.375 ID (Aluminum) | 2 |
| 87 | S25999 | Spacer - Cylinder Stroke (Aluminum) Not included with cylin | 2 |
| | N19031 | Decal - “Auger/Fan” (Not Shown) | 1 |
| | N34026 | Decal - “Auger/Aux Hyd” (Not Shown) | 1 |
| | N34288 | Decal - “Fold/Unfold” (Not Shown) | 1 |

# Fan & Auger Drives
# Tow Between Implement Hydraulics



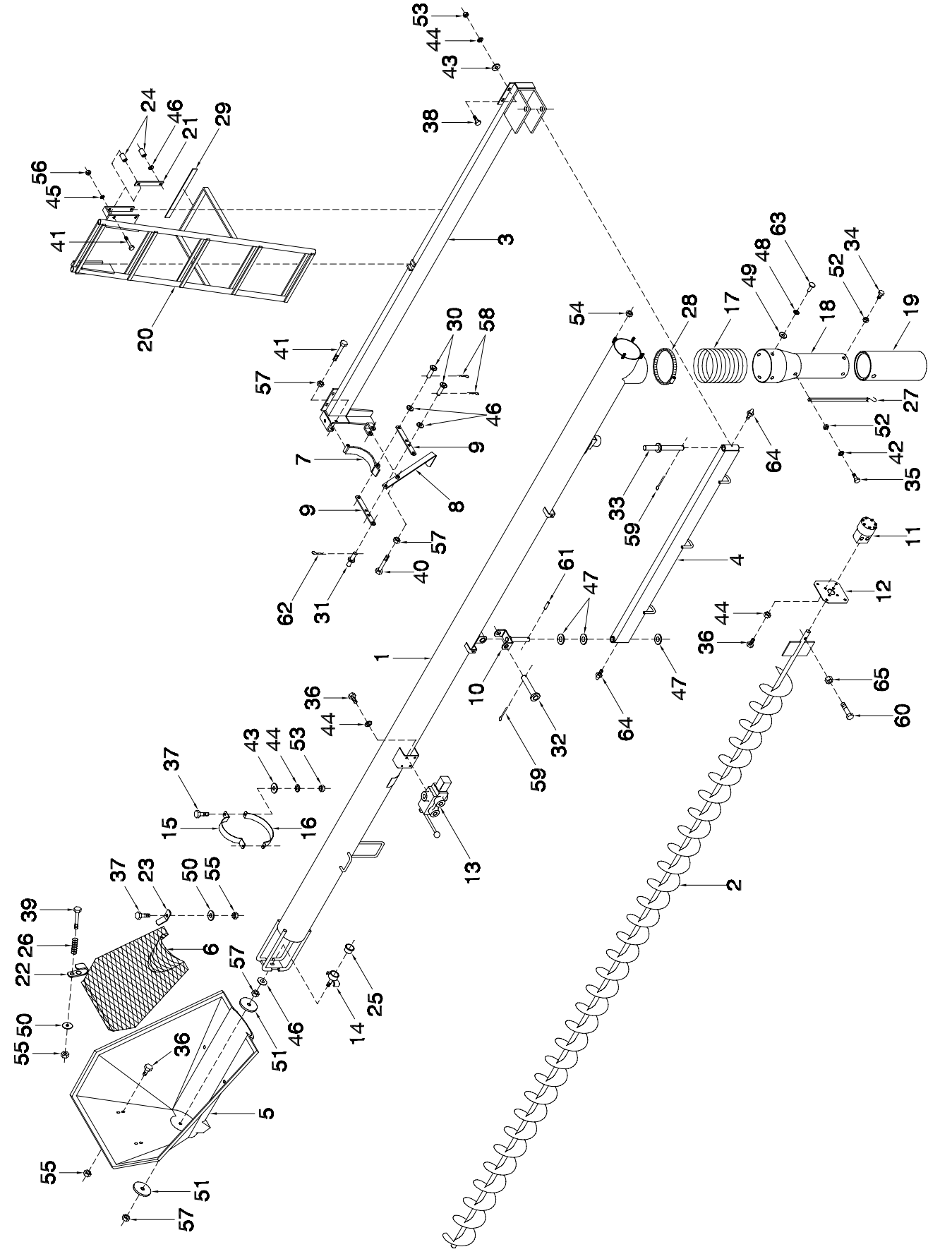

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | C-4367 | Oil Line - 5/8 x 80 Lg 7180 | 4 |
| | C-4369 | Oil Line - 5/8 x 96 Lg 7240 / 7252 | 4 |
| 2 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 4 |
| 3 | N19548 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT | 4 |
| 4 | C-4400 | 90 Elbow - 7/8-14 MJIC x 1/2 MNPT | 4 |
| 5 | C-817 | Male Pioneer Tip - 1/2 FNPT | 4 |
| 6 | C-818 | Pioneer Coupler - 1/2 FNPT | 4 |
| 7 | C-4698 | Nylon Oil Line Clamp | 8 |
| 8 | N16608 | Coupler Clamp - Female Pioneer | 4 |
| 9 | N19458 | Spacer - 2 | 2 |
| 10 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 11 | N28332 | Hex Bolt - 5/16 x 3 1/2 Lg | 2 |
| 12 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 2 |
| 13 | W-521 | Lockwasher - 1/4 | 4 |
| 14 | W-522 | Lockwasher - 5/16 | 2 |
| 15 | W-538 | Flatwasher - 3/8 | 2 |
| 16 | W-512 | Hex Nut - 1/4 | 4 |
| 17 | W-513 | Hex Nut - 5/16 | 2 |
| 18 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 19 | S29958 | Tag - Hose ID - Depth Control - RAISE | 2 |
| 20 | S29959 | Tag - Hose ID - Depth Control - LOWER | 2 |
| 21 | S29960 | Tag - Hose ID - Wing Lift - FOLD | 2 |
| 22 | S29961 | Tag - Hose ID - Wing Lift - UNFOLD | 2 |

# Section 6: Auger

## Section Contents

7130 / 7180 - 7 Auger ..... 6-2
7180 - Front Latch Auger ..... 6-4
7240 / 7300 - 7 & 8 Auger ..... 6-6
7240 - 7 Front Latch Auger ..... 6-10
7240 - 8 Front Latch Auger ..... 6-12
7252 - 7 Auger ..... 6-14
Auger Support Kit ..... 6-16

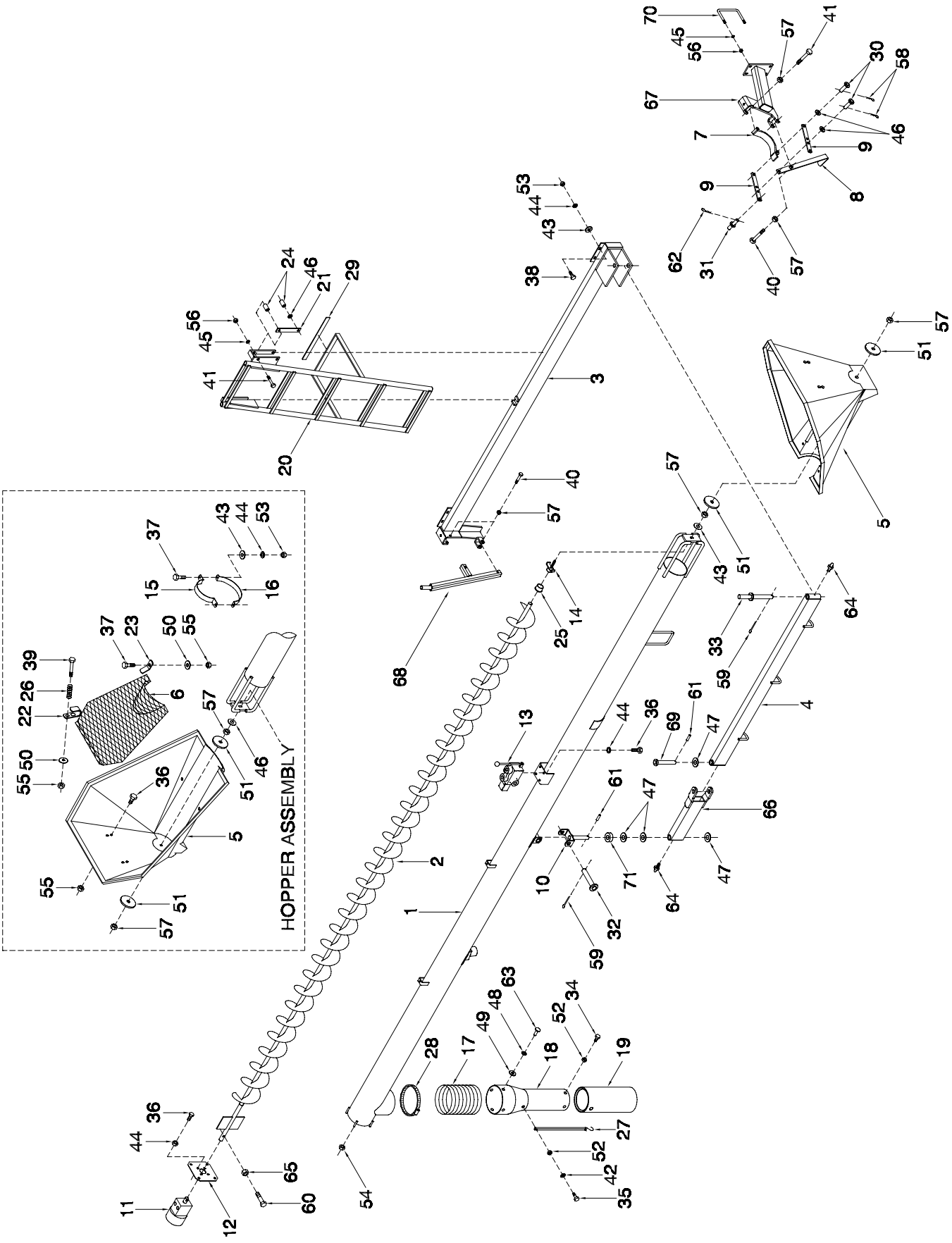
# Auger
## 7130 / 7180 - 7 Auger



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27639 | Auger Housing - 7 x 204 Lg 7130 | 1 |
| | N27659 | Auger Housing - 7 x 222 Lg 7180 | 1 |
| 2 | N19083 | Flyteing - 7 x 201 1/2 Lg 7130 | 1 |
| | N25544 | Flyteing - 7 x 219 1/2 Lg 7180 | 1 |
| | N21077 | Brush Flyteing - (Not Shown) 7130 (Optional) | 1 |
| | | (Order Through Wholegoods) | 1 |
| | N21079 | Brush Flyteing - (Not Shown) 7180 (Optional) | 1 |
| | | (Order Through Wholegoods) | 1 |
| 3 | N27645 | Auger Mount Bracket | 1 |
| 4 | N27680 | Auger Arm - 63 1/2 | 1 |
| 5 | N19784 | Auger Hopper - 44 | 1 |
| 6 | N31020 | Screen(1998 to present) | 1 |
| | N19788 | Screen(Prior to1997) | 1 |
| | N31019 | Fine Screen (Not Shown)(1998 to present)(Optional) | 1 |
| | N27708 | Fine Screen (Not Shown)(Prior to 1997)(Optional) | 1 |
| 7 | N28915 | Cradle - 7 | 1 |
| 8 | N33553 | Handle w/Grip | 1 |
| | N32769 | Grip for N33553 | |
| | N19737 | Handle for N33553 | |
| 9 | N19736 | Link | 2 |
| 10 | N19195 | Saddle - Auger Pivot | 1 |
| 11 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 12 | N19480 | Mount Plate | 1 |
| 13 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | 1 |
| | N24595 | Handle for N15024 | 1 |
| 14 | N22809 | Bearing Support | 1 |
| 15 | N21293 | Strap - Upper - 3 1/2 | 1 |
| 16 | N21294 | Strap - Lower - 4 3/4 | 1 |
| 17 | N22802 | Hose - Flex - 7 Dia x 12 Lg | 1 |
| 18 | N22799 | Auger Spout | 1 |
| 19 | N24421 | Auger Spout - Extension | 1 |
| 20 | N27750 | Ladder - Auger Access 7130 | 1 |
| | N27755 | Ladder - Auger Access 7180 | 1 |
| 21 | N27761 | Wear Plate - Ladder | 2 |
| 22 | N27705 | Latch - Auger Screen - Lower | 2 |
| 23 | N27706 | Latch - Auger Screen - Upper | 2 |
| 24 | N27759 | Bushing - 3/4 OD x 1 7/8 Lg | 4 |
| 25 | C22785 | Bushing (Blue) - 1 5/8 OD x 3/4 Lg | 1 |
| 26 | N15045 | Spring - 0.59 OD x 1 1/4 Lg | 2 |
| 27 | N19777 | Tie Down Strap - 15 - Rubber | 1 |
| 28 | N15462 | Hose Clamp - 8 Dia | 1 |
| 29 | N19449 | Seal Strip - 3/8 x 1 x 15 Lg (Bulk/ft) | 1 |
| 30 | BW-8 | Pin - 1/2 x 1 1/32 UL | 2 |
| 31 | N19745 | Lock Pin - 1/2 x 1 1/32 UL | 1 |
| 32 | N17217 | Pin - 1 x 4 3/4 UL | 1 |
| 33 | N27700 | Pin - Auger Pivot - 1 Dia | 1 |
| 34 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 3 |
| 35 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 1 |
| 36 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 10 |
| 37 | W-475 | Hex Bolt - 3/8 x 1 Lg | 4 |
| 38 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 8 |
| 39 | W-478 | Hex Bolt - 3/8 x 2 Lg | 2 |
| 40 | W-492 | Hex Bolt - 1/2 x 3 Lg | 1 |
| 41 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg | 5 |
| 42 | S-1198 | Flatwasher - 1/4 | 1 |
| 43 | W-538 | Flatwasher - 3/8 | 10 |
| 44 | W-523 | Lockwasher - 3/8 | 18 |
| 45 | W-525 | Lockwasher - 1/2 | 4 |
| 46 | W-539 | Washer - 17/32 ID x 1 3/8 OD x 12 Ga | 4 |
| 47 | D10803 | Flatwasher - 1 | 3 |
| 48 | D-5487 | Outside Washer - 1/2 OD x 3/16 ID | 4 |
| 49 | D10788 | Inside Washer - 7/8 OD x 3/16 ID | 4 |
| 50 | W14504 | Flatwasher - 1 1/2 OD | 4 |
| 51 | N17232 | Flatwasher - 4 1/8 OD | 2 |
| 52 | N22778 | Locknut - 1/4 | 4 |
| 53 | W-514 | Hex Nut 3/8 | 10 |
| 54 | D-5279 | Serrated Locknut - 3/8 | 4 |
| 55 | M-3388 | Locknut - 3/8 Unitorque | 6 |
| 56 | W-516 | Hex Nut - 1/2 | 4 |
| 57 | F-3405 | Locknut - 1/2 Unitorque | 3 |
| 58 | W-907 | Cotter Pin - 5/32 x 3/4 Lg | 2 |
| 59 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 2 |
| 60 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 61 | J12281 | Spiral Pin - 5/16 x 2 Lg | 1 |
| 62 | W-131 | Hairpin - #9 - 0.148 x 3 5/16 Lg | 1 |
| 63 | D-4945 | Pop Rivet - 3/16 x 3/8 GRIP | 4 |
| 64 | S-752 | Grease Zerk - 1/4 Straight | 2 |
| 65 | D-5278 | Serrated Locknut - 5/16 | 1 |
| | N34477 | Reflector - AMBER (Not Shown) | 2 |
| | N19031 | Decal - Information (Not Shown) | 1 |
| | N19032 | Decal - Information (Not Shown) | 1 |
| | N19033 | Decal - Danger (Not Shown) | 1 |
| | N19034 | Decal - Danger (Not Shown) | 1 |
| | N19481 | Spout Assembly (Includes Items 17, 18, 48, 49 & 63) | |
| | N19778 | Extendible Spout Assembly (Optional) (Includes Items 17, 18, 19, 27, 34, 35, 42, 48, 49, 52 & 63) | |

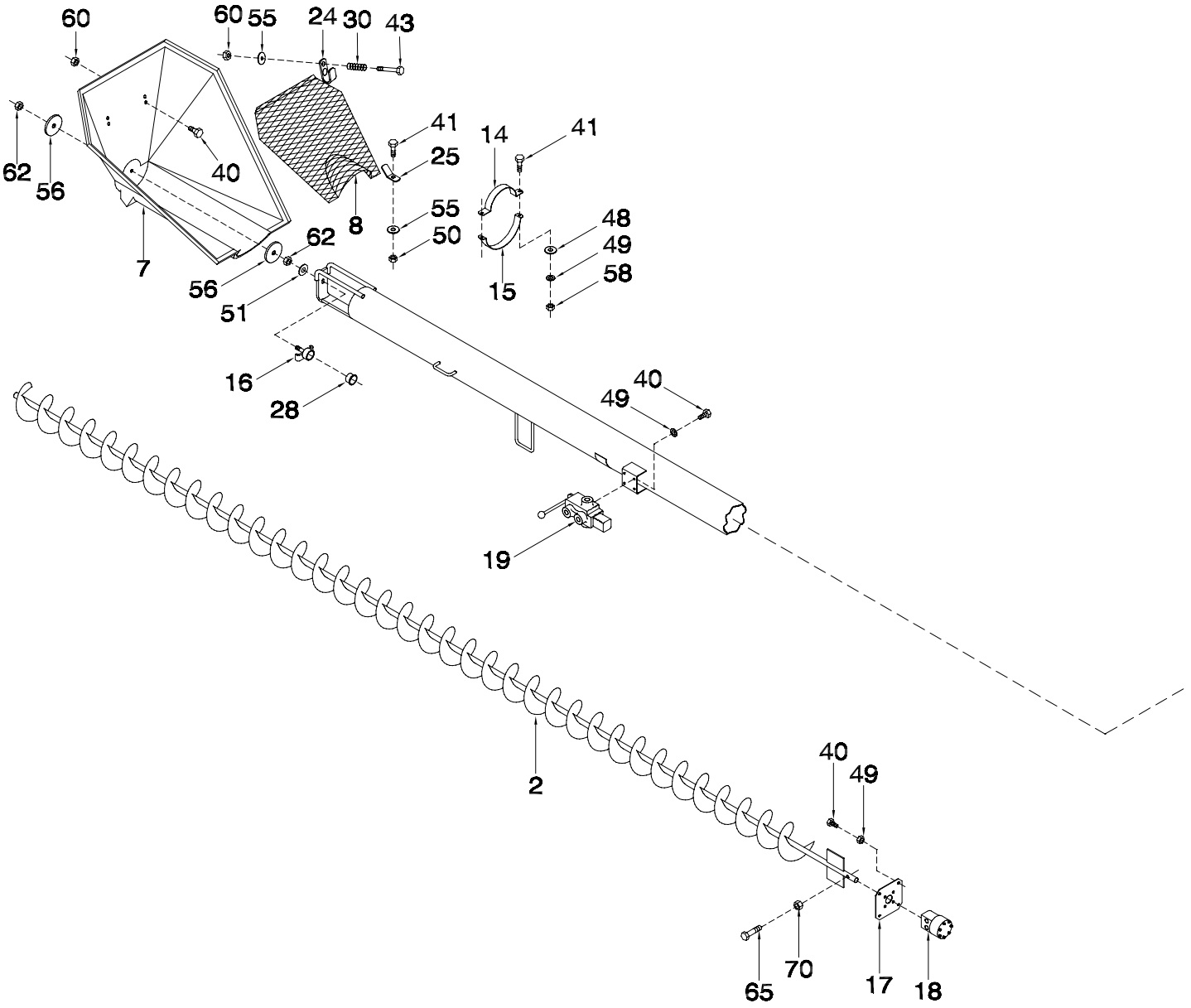
# Auger
## 7180 - Front Latch Auger



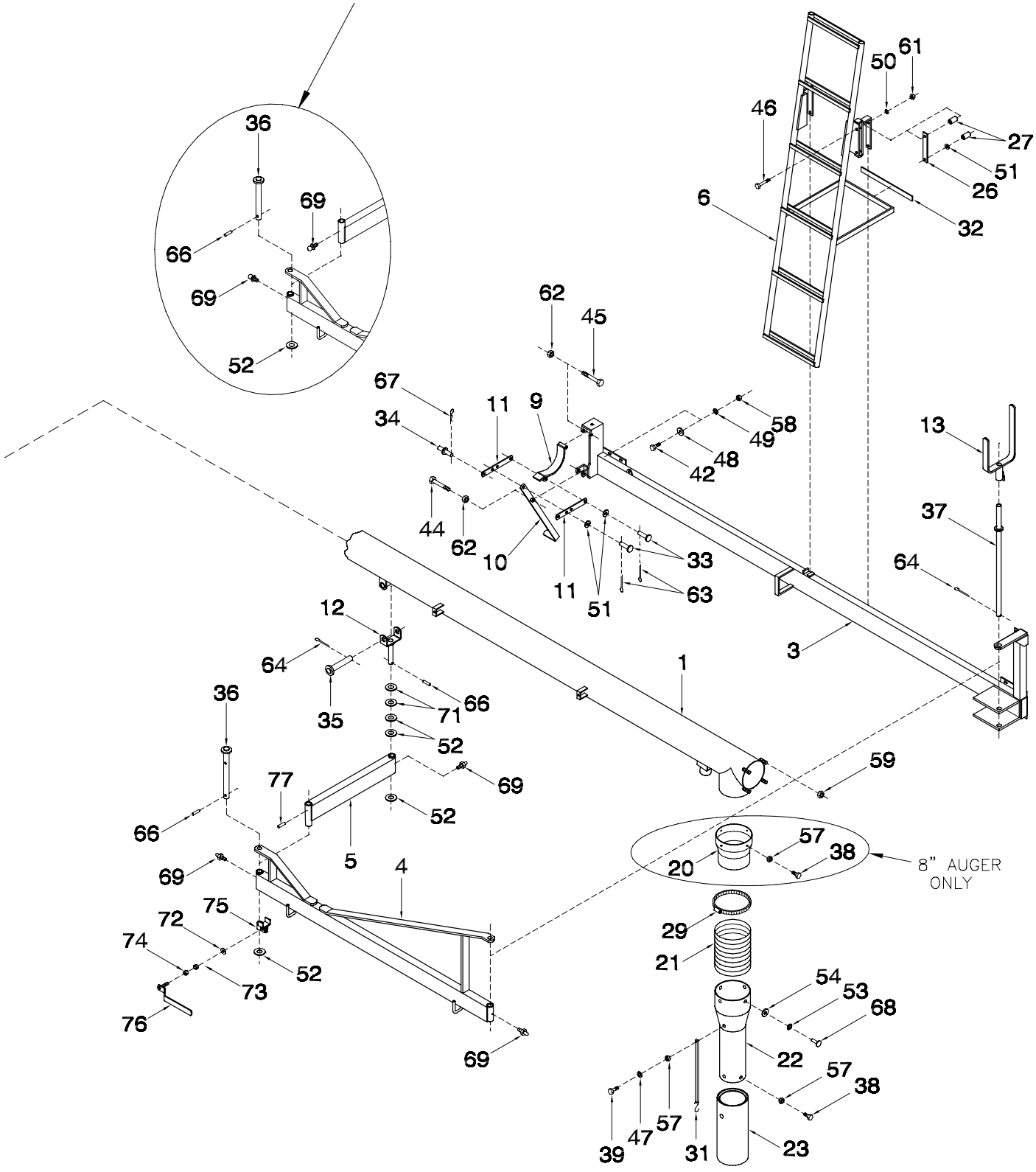
Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N34049 | Auger Housing - 7 x 222 Lg 7180 | 1 |
| 2 | N25544 | Flyteing - 7 x 219 1/2 Lg 7180 | 1 |
| | N21079 | Brush Flyteing - (Not Shown) 7180 (Optional) | 1 |
| | | (Order Through Wholegoods) | 1 |
| 3 | N27645 | Auger Mount Bracket | 1 |
| 4 | N27680 | Auger Arm - 63 1/2 | 1 |
| 5 | N19784 | Auger Hopper - 44 | 1 |
| 6 | N31020 | Screen | 1 |
| 7 | N28915 | Cradle - 7 | 1 |
| 8 | N33553 | Handle w/Grip | 1 |
| | N32769 | Grip for N33553 | |
| | N19737 | Handle for N33553 | |
| 9 | N19736 | Link | 2 |
| 10 | N19195 | Saddle - Auger Pivot | 1 |
| 11 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 12 | N19480 | Mount Plate | 1 |
| 13 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15204 | 1 |
| | N24595 | Handle for N15204 | 1 |
| 14 | N22809 | Bearing Support | 1 |
| 15 | N21293 | Strap - Upper - 3 1/2 | 1 |
| 16 | N21294 | Strap - Lower - 4 3/4 | 1 |
| 17 | N22802 | Hose - Flex - 7 Dia x 12 Lg | 1 |
| 18 | N22799 | Auger Spout | 1 |
| 19 | N24421 | Auger Spout - Extension | 1 |
| 20 | N27755 | Ladder - Auger Access 7180 | 1 |
| 21 | N27761 | Wear Plate - Ladder | 2 |
| 22 | N27705 | Latch - Auger Screen - Lower | 2 |
| 23 | N27706 | Latch - Auger Screen - Upper | 2 |
| 24 | N27759 | Bushing - 3/4 OD x 1 7/8 Lg | 4 |
| 25 | C22785 | Bushing (Blue) - 1 5/8 OD x 3/4 Lg | 1 |
| 26 | N15045 | Spring - 0.59 OD x 1 1/4 Lg | 2 |
| 27 | N19777 | Tie Down Strap - 15 - Rubber | 1 |
| 28 | N15462 | Hose Clamp - 8 Dia | 1 |
| 29 | N19449 | Seal Strip - 3/8 x 1 x 15 (Bulk/ft) | 1 |
| 30 | BW-8 | Pin - 1/2 x 1 1/32 UL | 2 |
| 31 | N19745 | Lock Pin - 1/2 x 1 1/32 UL | 1 |
| 32 | N17217 | Pin - 1 x 4 3/4 UL | 1 |
| 33 | N27700 | Pin - Auger Pivot - 1 Dia | 1 |
| 34 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 3 |
| 35 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 1 |
| 36 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 10 |
| 37 | W-475 | Hex Bolt - 3/8 x 1 Lg | 4 |
| 38 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 8 |
| 39 | W-478 | Hex Bolt - 3/8 x 2 Lg | 2 |
| 40 | W-492 | Hex Bolt - 1/2 x 3 Lg | 3 |
| 41 | W-495 | Hex Bolt - 1/2 x 4 Lg | 5 |
| 42 | S-1198 | Flatwasher - 1/4 | 1 |
| 43 | W-538 | Flatwasher - 3/8 | 10 |
| 44 | W-523 | Lockwasher - 3/8 | 18 |
| 45 | W-525 | Lockwasher - 1/2 | 8 |
| 46 | W-539 | Washer - 17/32 ID x 1 3/8 OD x 12 Ga | 4 |
| 47 | D10803 | Flatwasher - 1 | 4 |
| 48 | D-5487 | Outside Washer - 1/2 OD x 3/16 ID | 4 |
| 49 | D10788 | Inside Washer - 7/8 OD x 3/16 ID | 4 |
| 50 | W14504 | Flatwasher - 1 1/2 OD | 4 |
| 51 | N17232 | Flatwasher - 4 1/8 OD | 2 |
| 52 | N22778 | Locknut - 1/4 | 4 |
| 53 | W-514 | Hex Nut 3/8 | 10 |
| 54 | D-5279 | Serrated Locknut - 3/8 | 4 |
| 55 | M-3388 | Locknut - 3/8 Unitorque | 6 |
| 56 | W-516 | Hex Nut - 1/2 | 8 |
| 57 | F-3405 | Locknut - 1/2 Unitorque | 5 |
| 58 | W-907 | Cotter Pin - 5/32 x 3/4 Lg | 2 |
| 59 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 2 |
| 60 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 61 | J12281 | Spiral Pin - 5/16 x 2 Lg | 2 |
| 62 | W-131 | Hairpin - #9 - 0.148 x 3 5/16 Lg | 1 |
| 63 | D-4945 | Pop Rivet - 3/16 x 3/8 GRIP | 4 |
| 64 | S-752 | Grease Zerk - 1/4 Straight | 2 |
| 65 | D-5278 | Serrated Locknut - 5/16 | 1 |
| 66 | N34020 | Outer Auger Arm | 1 |
| 67 | N34000 | Auger Latch Support | 1 |
| 68 | N34005 | Auger Support | 1 |
| 69 | N31628 | Pin - 1 x 5 29/32 | 1 |
| 70 | H21351 | U-Bolt - 1/2 x 6 x 5 | 2 |
| 71 | N19192 | Bushing - 1 ID x 1 1/2 OD x 1/2 Lg | 1 |
| | N34477 | Reflector - AMBER (Not Shown) | 2 |
| | N19031 | Decal - Information (Not Shown) | 1 |
| | N19032 | Decal - Information (Not Shown) | 1 |
| | N19033 | Decal - Danger (Not Shown) | 1 |
| | N19034 | Decal - Danger (Not Shown) | 1 |
| | N19481 | Spout Assembly (Includes Items 17, 18, 48, 49 & 63) | |
| | N19778 | Extendible Spout Assembly (Optional) (Includes Items 17, 18, 19, 27, 34, 35, 42, 48, 49, 52 & 63) | |

# Auger
## 7240 / 7300 - 7 & 8 Auger



## Auger - 7240 / 7300 - 7 & 8 Auger



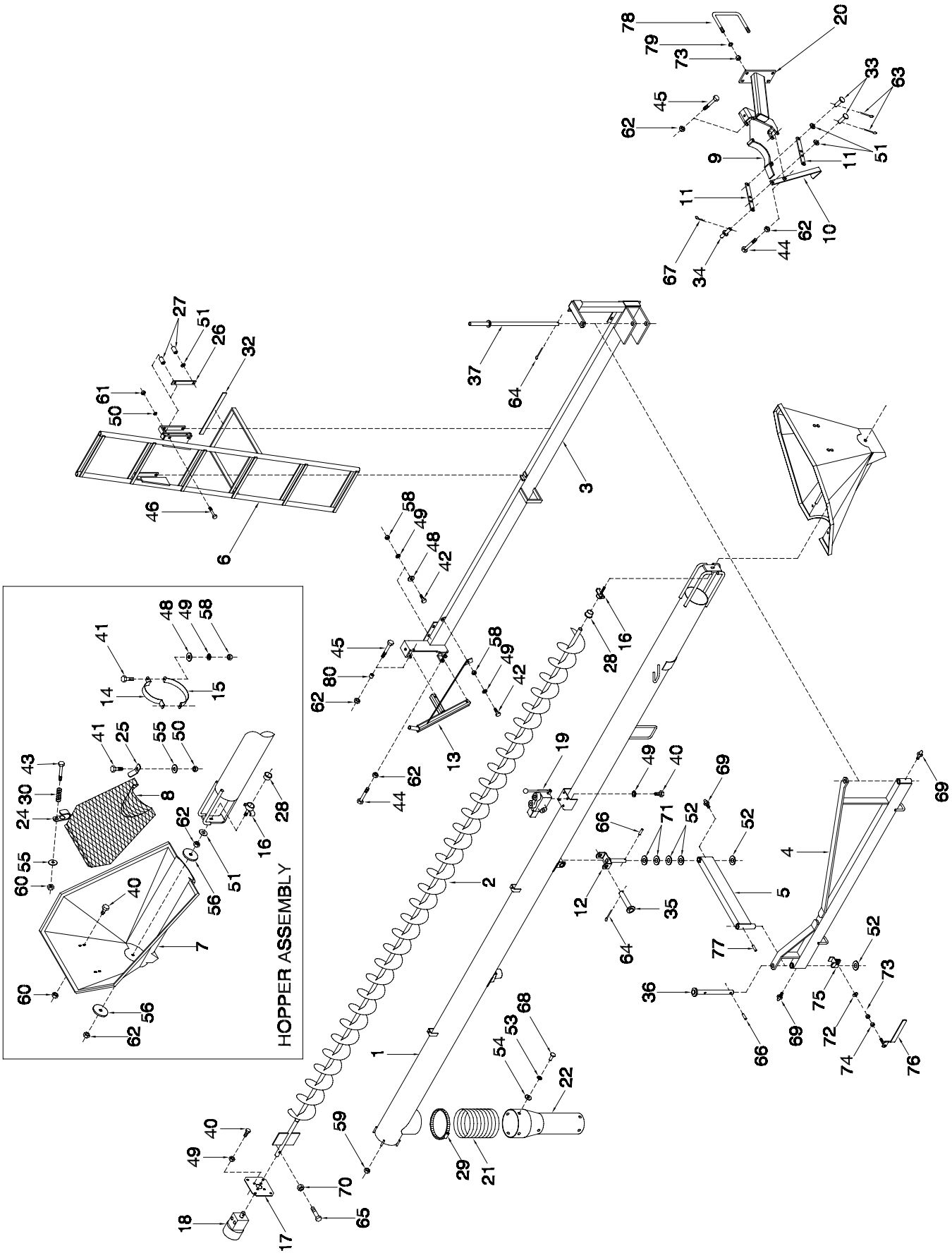
## Auger - 7240 / 7300 - 7 & 8 Auger

| Item | Part No. | Description | No: Used 7" | No: Used 8" |
|---|---|---|---|---|
| 1 | N27669 | Auger Housing - 7 x 240 Lg | 1 | |
| | N27689 | Auger Housing - 8 x 240 Lg | 0 | 1 |
| 2 | N27675 | Flyteing - 7 x 237 1/2 Lg | 1 | 0 |
| | N27695 | Flyteing - 8 x 237 1/2 Lg | 0 | 1 |
| | N27665 | Brush Flyteing - 7 x 237 1/2 Lg (Optional - Not Shown) (Wholegoods only) | 1 | 0 |
| | N27685 | Brush Flyteing - 8 x 237 1/2 Lg (Optional - Not Shown) (Wholegoods only) | 0 | 1 |
| 3 | N27650 | Auger Mount Bracket - Prior to June 2007 | 1 | 1 |
| | N44080 | Auger Mount Bracket - June 2007 | 1 | 1 |
| 4 | N21735 | Arm - Auger - 72 | 1 | 1 |
| 5 | N28328 | Arm - Auger - 26 | 1 | 1 |
| 6 | N27760 | Ladder - Auger Access 7240 | 1 | 1 |
| | N27765 | Ladder - Auger Access 7300 | 1 | 1 |
| 7 | N19784 | Auger Hopper - 44 | 1 | 1 |
| 8 | N31020 | Screen(1998 to present) | 1 | 1 |
| | N19788 | Screen(Prior to1997) | 1 | 1 |
| | N31019 | Fine Screen (Not Shown)(1998 to present) (Optional) | 1 | 1 |
| | N27708 | Fine Screen (Not Shown)(Prior to 1997) (Optional) | 1 | 1 |
| 9 | N28915 | Cradle - Auger - 7 | 1 | 0 |
| | N28920 | Cradle - Auger - 8 | 0 | 1 |
| 10 | N34251 | Handle w/grip | 1 | 1 |
| | N32769 | Grip for N34251 | | |
| | N29737 | Handle for N34251 | | |
| 11 | N19736 | Link | 2 | 2 |
| 12 | N29395 | Saddle - Auger Pivot | 1 | 1 |
| 13 | N28577 | Saddle - Auger Pivot - 7 | 1 | 0 |
| | N28575 | Saddle - Auger Pivot - 8 | 0 | 1 |
| 14 | N21293 | Strap - Upper Auger Hopper - 3 1/2 | 1 | 0 |
| | N25668 | Strap - Upper Auger Hopper - 4 | 0 | 1 |
| 15 | N21294 | Strap - Lower Auger Hopper - 4 3/4 | 1 | 1 |
| 16 | N22809 | Pin - Auger Bearing Support | 1 | 1 |
| 17 | N19480 | Plate - Mount | 1 | 0 |
| | N25753 | Plate - Mount | 0 | 1 |
| 18 | N15982 | Orbit Motor | 1 | 0 |
| | N16731 | Seal Kit for N15982 | | |
| | N25319 | Shaft for N15982 | | |
| | N25741 | Orbit Motor | 0 | 1 |
| | K12962 | Seal Kit for N25741 | | |
| 19 | N15024 | Control Valve | 1 | 1 |
| | N31605 | Seal Kit for N15204 | 1 | 1 |
| | N24595 | Handle for N15204 | 1 | 1 |
| 20 | N21076 | Reducer - 8 Auger Spout ( 8 Auger ONLY) | 0 | 1 |
| 21 | N22802 | Flex Hose - 7 Dia x 12 Lg | 1 | 1 |
| 22 | N22799 | Auger Spout | 1 | 1 |
| 23 | N24421 | Auger Spout - Extension | 1 | 1 |
| 24 | N27705 | Latch - Auger Screen - Lower | 2 | 2 |
| 25 | N27706 | Latch - Auger Screen - Upper | 2 | 2 |
| 26 | N27761 | Wear Plate - Ladder | 2 | 2 |
| 27 | N27759 | Bushing - 3/4 OD x 1 7/8 Lg | 4 | 4 |
| 28 | C22785 | Bushing - 1 5/8 OD x 3/4 Lg (Blue) | 1 | 1 |
| 29 | N15462 | Hose Clamp - 8 Dia | 1 | 1 |
| 30 | N15045 | Spring - 0.59 OD x 1 1/4 Lg | 2 | 2 |
| 31 | N19777 | Tie Down Strap - 15 - Rubber | 1 | 1 |
| 32 | N19449 | Seal Strip - 3/8 x 1 x 15 (Bulk/ft) | 1 | 1 |
| 33 | BW-8 | Pin - 1/2 x 1 1/32 UL | 2 | 2 |
| 34 | N19745 | Lock Pin - 1/2 x 1 1/32 UL | 1 | 1 |
| 35 | N17217 | Pin - 1 x 4 3/4 UL | 1 | 1 |
| 36 | N25595 | Pin - Auger Pivot - 1 x 10 29/32 UL (Prior to June 1999) | 1 | 1 |
| | N31765 | Pin - Auger Pivot - 1 x 12 23/32 UL (Current) | 1 | 1 |
| 37 | N28327 | Pin - Auger Pivot - 1 x 22 7/8 UL | 1 | 1 |
| 38 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 3 | 7 |
| 39 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 1 | 1 |

## Auger - 7240 / 7300 - 7 & 8 Auger

| Item | Part No. | Description | No: Used 7" | No: Used 8" |
|---|---|---|---|---|
| 40 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 10 | 10 |
| 41 | W-475 | Hex Bolt - 3/8 x 1 Lg | 4 | 4 |
| 42 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 8 | 8 |
| 43 | W-478 | Hex Bolt - 3/8 x 2 Lg | 2 | 2 |
| 44 | W-492 | Hex Bolt - 1/2 x 3 Lg | 1 | 1 |
| 45 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg | 1 | 1 |
| 46 | W-1575 | Hex Bolt - 1/2 x 5 Lg | 4 | 4 |
| 47 | S-1198 | Flatwasher - 1/4 | 1 | 1 |
| 48 | W-538 | Flatwasher - 3/8 | 10 | 10 |
| 49 | W-523 | Lockwasher - 3/8 | 18 | 18 |
| 50 | W-525 | Lockwasher - 1/2 | 4 | 4 |
| 51 | W-539 | Flatwasher - 17/32 ID x 1 3/8 OD x 12 Ga | 4 | 4 |
| 52 | D10803 | Flatwasher - 1 | 4 | 4 |
| 53 | D-5487 | Outside Washer - 1/2 OD x 3/16 ID | 4 | 4 |
| 54 | D10788 | Inside Washer - 7/8 OD x 3/16 ID | 4 | 4 |
| 55 | W14504 | Flatwasher - 1 1/2 OD | 4 | 4 |
| 56 | N17232 | Flatwasher - 4 1/8 OD | 2 | 2 |
| 57 | N22778 | Locknut - 1/4 w/Nylon Insert | 4 | 8 |
| 58 | W-514 | Hex Nut - 3/8 | 10 | 10 |
| 59 | D-5279 | Locknut - 3/8 Serrated | 4 | 4 |
| 60 | M-3388 | Locknut - 3/8 Unitorque | 6 | 6 |
| 61 | W-516 | Hex Nut -1/2 | 4 | 4 |
| 62 | F-3405 | Locknut - 1/2 Unitorque | 3 | 3 |
| 63 | W-907 | Cotter Pin - 5/32 x 3/4 Lg | 2 | 2 |
| 64 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 2 | 2 |
| 65 | S-1303 | Hex Bolt - 5/16 x 2 lg | 1 | 1 |
| 66 | J12281 | Spiral Pin - 5/16 x 2 Lg | 2 | 2 |
| 67 | W-131 | Hair Pin - #9 - 0.148 x 3 5/16 Lg | 1 | 1 |
| 68 | D-4945 | Pop Rivet - 3/16 x 3/8 GRIP | 4 | 4 |
| 69 | S-752 | Grease Zerk - 1/4 Strait | 3 | 3 |
| 70 | D-5278 | Locknut - 5/16 Serrated | 1 | 1 |
| 71 | N19192 | Bushing - 1 ID x 1 1/2 OD x 1/2 Lg | 2 | 2 |
| 72 | W-793 | Flatwasher - 5/8 | 1 | 1 |
| 73 | W-517 | Hex Nut - 5/8 | 1 | 1 |
| 74 | C-1472 | Jam Nut - 5/8 | 1 | 1 |
| 75 | N31775 | Lock - Auger Arm | 1 | 1 |
| 76 | N31763 | Handle | 1 | 1 |
| 77 | N15983 | Spiral Pin - 5/16 x 1 1/2 Lg | 1 | 1 |
| 78 | N31774 | Decal - Information - Auger Arm Lock (Not Shown) | 1 | 1 |
| | N34477 | Reflector - AMBER (Not Shown) | 2 | 2 |
| | N19031 | Decal - Information (Not Shown) | 1 | 1 |
| | N19032 | Decal - Information (Not Shown) | 1 | 1 |
| | N19033 | Decal - Danger (Not Shown) | 1 | 1 |
| | N19034 | Decal - Danger (Not Shown) | 1 | 1 |
| | N19020 | Decal - Caution (Not Shown) | 1 | 1 |
| | N19778 | Extendible Spout Assembly (Includes Items #21, 22, 23, 31, 38, 39, 47, 53, 54, 57 & 68) | | |
| | N31768 | Kit - Auger Arm Lock 7240/7300 (Includes 36, 52, 66, 72, 73, 74, 75, 76, 77 & 78) | | |

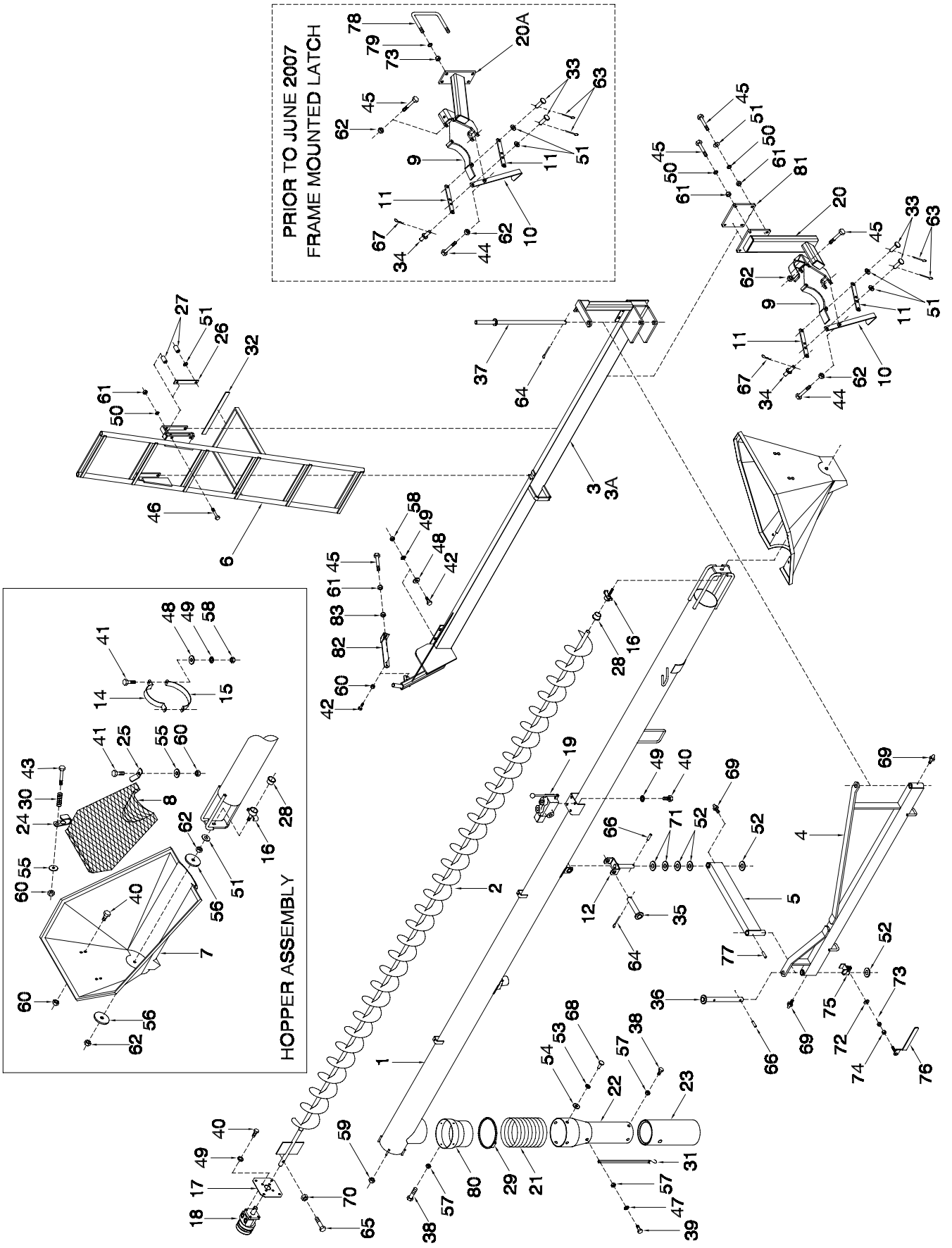
# Auger
## 7240 - 7 Front Latch Auger



## Auger - 7240 - 7 Front Latch Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N34069 | Auger Housing - 7 x 240 Lg | 1 |
| 2 | N27675 | Flyteing - 7 x 237 1/2 Lg | 1 |
| 3 | N27650 | Auger Mount Bracket | 1 |
| 4 | N21735 | Arm - Auger - 72 | 1 |
| 5 | N28328 | Arm - Auger - 26 | 1 |
| 6 | N27760 | Ladder - Auger Access | 1 |
| 7 | N19784 | Auger Hopper - 44 | 1 |
| 8 | N31020 | Screen | 1 |
| 9 | N34067 | Cradle - Auger - 7 | 1 |
| 10 | N33553 | Handle w/grip | 1 |
| | N32769 | Grip for N33553 | 1 |
| | N19737 | Handle for N33553 | 1 |
| 11 | N19736 | Link | 2 |
| 12 | N29395 | Saddle - Auger Pivot | 1 |
| 13 | N34045 | Auger Support | 1 |
| 14 | N21293 | Strap - Upper Auger Hopper - 3 1/2 | 1 |
| 15 | N21294 | Strap - Lower Auger Hopper - 4 3/4 | 1 |
| 16 | N22809 | Pin - Auger Bearing Support | 1 |
| 17 | N19480 | Plate - Mount | 1 |
| 18 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 19 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 20 | N34041 | Auger Latch Support | 1 |
| 21 | N22802 | Flex Hose - 7 Dia x 12 Lg | 1 |
| 22 | N22799 | Auger Spout | 1 |
| 23 | N24421 | Auger Spout Extension | 1 |
| 24 | N27705 | Latch - Auger Screen - Lower | 2 |
| 25 | N27706 | Latch - Auger Screen - Upper | 2 |
| 26 | N27761 | Wear Plate - Ladder | 2 |
| 27 | N27759 | Bushing - 3/4 OD x 1 7/8 Lg | 4 |
| 28 | C22785 | Bushing - 1 5/8 OD x 3/4 Lg (Blue) | 1 |
| 29 | N15462 | Hose Clamp - 8 Dia | 1 |
| 30 | N15045 | Spring - 0.59 OD x 1 1/4 Lg | 1 |
| 31 | N19777 | Tie Down Strap - 15 - Rubber | 1 |
| 32 | N19449 | Seal Strip - 3/8 x 1 x 15 (Bulk/ft) | 1 |
| 33 | BW-8 | Pin - 1/2 x 1 1/32 UL | 2 |
| 34 | N19745 | Lock Pin - 1/2 x 1 1/32 UL | 1 |
| 35 | N17217 | Pin - 1 x 4 3/4 UL | 1 |
| 36 | N31765 | Pin - Auger Pivot - 1 x 12 23/32 UL | 1 |
| 37 | N28327 | Pin - Auger Pivot - 1 x 22 7/8 UL | 1 |
| 38 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 3 |
| 39 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 1 |
| 40 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 10 |
| 41 | W-475 | Hex Bolt - 3/8 x 1 Lg | 4 |
| 42 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 12 |
| 43 | W-478 | Hex Bolt - 3/8 x 2 Lg | 9 |
| 44 | W-492 | Hex Bolt - 1/2 x 3 Lg | 2 |
| 45 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg | 2 |
| 46 | W-1575 | Hex Bolt - 1/2 x 5 Lg | 2 |
| 47 | S-1198 | Flatwasher - 1/4 | 1 |
| 48 | W-538 | Flatwasher - 3/8 | 10 |
| 49 | W-523 | Lockwasher - 3/8 | 20 |
| 50 | W-525 | Lockwasher - 1/2 | 4 |
| 51 | W-539 | Flatwasher - 17/32 ID x 1 3/8 OD x 12 Ga | 4 |
| 52 | D10803 | Flatwasher - 1 | 4 |
| 53 | D-5487 | Outside Washer - 1/2 OD x 3/16 ID | 4 |
| 54 | D10788 | Inside Washer - 7/8 OD x 3/16 ID | 4 |
| 55 | W14504 | Flatwasher - 1 1/2 OD | 4 |
| 56 | N17232 | Flatwasher - 4 1/8 OD | 2 |
| 57 | N22778 | Locknut - 1/4 w/Nylon Insert | 4 |
| 58 | W-514 | Hex Nut - 3/8 | 12 |
| 59 | D-5279 | Locknut - 3/8 Serrated | 4 |
| 60 | M-3388 | Locknut - 3/8 Unitorque | 6 |
| 61 | W-516 | Hex Nut - 1/2 | 4 |
| 62 | F-3405 | Locknut - 1/2 Unitorque | 5 |
| 63 | W-907 | Cotter Pin - 5/32 x 3/4 Lg | 2 |
| 64 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 2 |
| 65 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 66 | J12281 | Spiral Pin - 5/16 x 2 Lg | 2 |
| 67 | W-131 | Hair Pin - #9 - 0.148 x 3 5/16 Lg | 1 |
| 68 | D-4945 | Pop Rivet - 3/16 x 3/8 GRIP | 4 |
| 69 | S-752 | Grease Zerk - 1/4 Straight | 3 |
| 70 | D-5278 | Locknut - 5/16 Serrated | 1 |
| 71 | N19192 | Bushing - 1 ID x 1 1/2 OD x 1/2 Lg | 2 |
| 72 | W-793 | Flatwasher - 5/8 | 1 |
| 73 | W-517 | Hex Nut - 5/8 | 5 |
| 74 | C-1472 | Jam Nut - 5/8 | 1 |
| 75 | N31775 | Lock - Auger Arm | 1 |
| 76 | N31763 | Handle | 1 |
| 77 | N15983 | Spiral Pin - 5/16 x 1 1/2 Lg | 1 |
| 78 | C29610 | U-Bolt - 5/8 x 8 x 5 1/2 | 2 |
| 79 | W-526 | Lockwasher - 5/8 | 4 |
| 80 | N34072 | Bushing - 5/8 ID x 1 OD x 5/8 Lg | 1 |
| | N34477 | Reflector - AMBER (Not Shown) | 2 |
| | N19031 | Decal - Information (Not Shown) | 1 |
| | N19032 | Decal - Information (Not Shown) | 1 |
| | N19033 | Decal - Danger (Not Shown) | 1 |
| | N19034 | Decal - Danger (Not Shown) | 1 |
| | N31774 | Decal - Information - Auger Arm Lock (Not Shown) | 1 |
| | N19020 | Decal - Caution (Not Shown) | 1 |

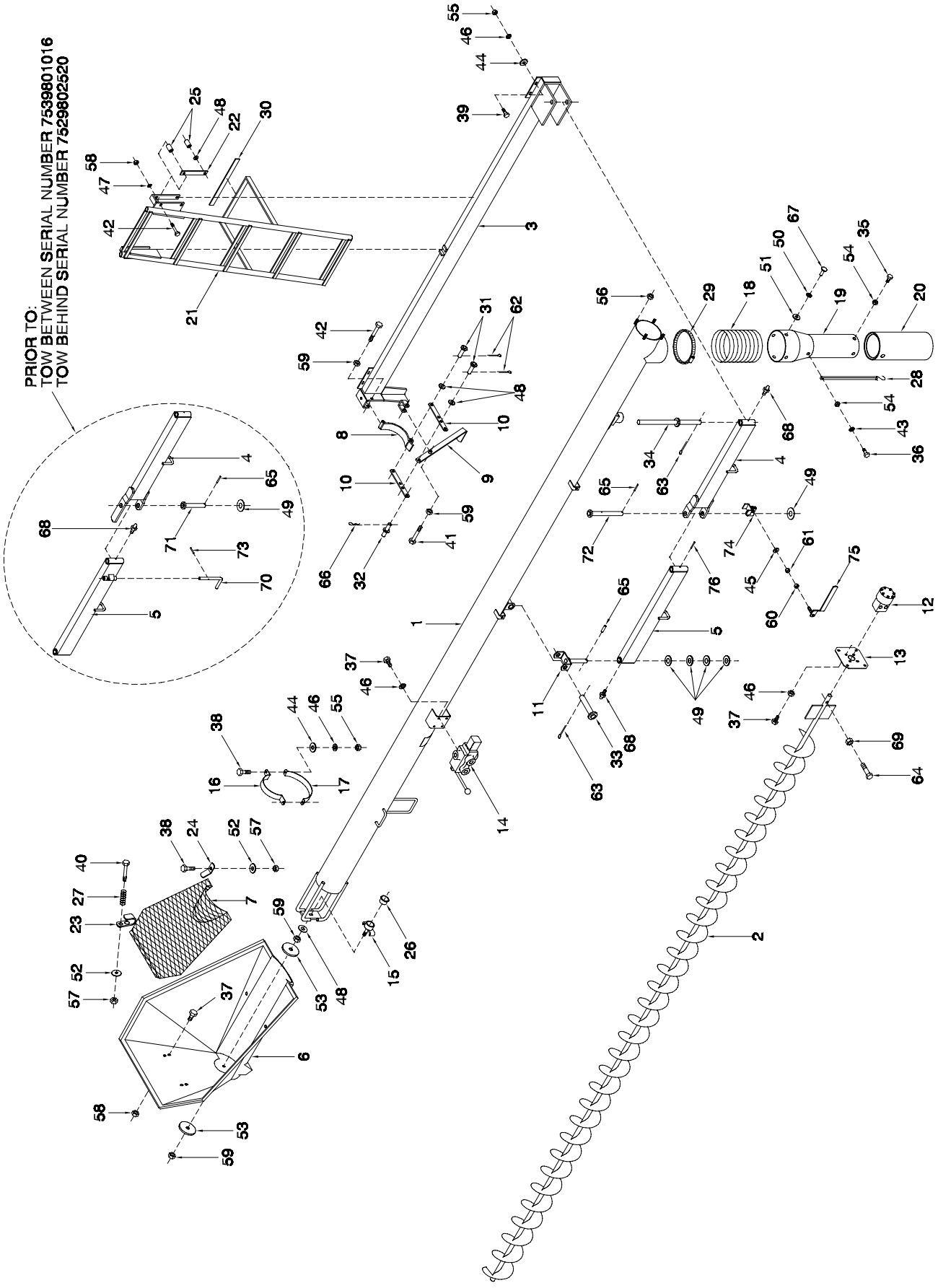
# Auger
## 7240 - 8 Front Latch Auger



## Auger - 7240 - 8 Front Latch Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N34779 | Auger Housing - 8 x 240 Lg | 1 |
| 2 | N27695 | Flyteing - 8 x 237 1/2 Lg | 1 |
| 3 | N37570 | Auger Mount Bracket - Prior to June 2007 | 1 |
| | N42525 | Auger Mount Bracket - June 2007 | 1 |
| 4 | N21735 | Arm - Auger - 72 | 1 |
| 5 | N28328 | Arm - Auger - 26 | 1 |
| 6 | N27760 | Ladder - Auger Access 7240 | 1 |
| 7 | N19784 | Auger Hopper - 44 | 1 |
| 8 | N31020 | Screen | 1 |
| 9 | N34788 | Cradle - Auger - 8 | 1 |
| 10 | N33553 | Handle with Grip | 1 |
| | N32769 | Grip for Handle N33553 | |
| | N19737 | Handle for N33553 | |
| 11 | N19736 | Link | 2 |
| 12 | N29395 | Saddle - Auger Pivot | 1 |
| 13 | N34045 | Auger Support | 1 |
| 14 | N25668 | Strap - Upper Auger Hopper | 1 |
| 15 | N21294 | Strap - Lower Auger Hopper - 4 3/4 | 1 |
| 16 | N22809 | Pin - Auger Bearing Support | 1 |
| 17 | N19480 | Plate - Mount | 1 |
| 18 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 19 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15204 | |
| | N24595 | Handle for N15204 | |
| 20 | N42530 | Auger Latch Support - June 2007 to present | 1 |
| 20A | N34041 | Auger Latch Support - Prior to June 2007 | 1 |
| 21 | N22802 | Flex Hose - 7 Dia x 12 Lg | 1 |
| 22 | N22799 | Auger Spout | 1 |
| 23 | N24421 | Auger Spout - Extension | 1 |
| 24 | N27705 | Latch - Auger Screen - Lower | 2 |
| 25 | N27706 | Latch - Auger Screen - Upper | 2 |
| 26 | N27761 | Wear Plate - Ladder | 2 |
| 27 | N27759 | Bushing - 3/4 OD x 1 7/8 Lg | 4 |
| 28 | C22785 | Bushing - 1 5/8 OD x 3/4 Lg (Blue) | 1 |
| 29 | N15462 | Hose Clamp - 8 Dia | 1 |
| 30 | N15045 | Spring - 0.59 OD x 1 1/4 Lg | 2 |
| 31 | N19777 | Tie Down Strap - 15 - Rubber | 1 |
| 32 | N19449 | Seal Strip - 3/8 x 1 x 15 Lg (Bulk/ft) | 1 |
| 33 | BW-8 | Pin - 1/2 x 1 1/32 UL | 2 |
| 34 | N19745 | Lock Pin - 1/2 x 1 1/32 UL | 1 |
| 35 | N17217 | Pin - 1 x 4 3/4 UL | 1 |
| 36 | N31765 | Pin - Auger Pivot - 1 x 12 23/32 UL | 1 |
| 37 | N37569 | Pin - Auger Pivot - 1 x 22 7/8 UL | 1 |
| 38 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 7 |
| 39 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 1 |
| 40 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 10 |
| 41 | W-475 | Hex Bolt - 3/8 x 1 Lg | 4 |
| 42 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 12 |
| 43 | W-478 | Hex Bolt - 3/8 x 2 Lg | 9 |
| 44 | W-492 | Hex Bolt - 1/2 x 3 Lg | 1 |
| 45 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg - Prior to June 2007 | 1 |
| 45 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg - June 2007 | 6 |
| 46 | W-1575 | Hex Bolt - 1/2 x 5 Lg | 4 |
| 47 | S-1198 | Flatwasher - 1/4 | 1 |
| 48 | W-538 | Flatwasher - 3/8 | 12 |
| 49 | W-523 | Lockwasher - 3/8 | 20 |
| 50 | W-525 | Lockwasher - 1/2 | 4 |
| 51 | W-539 | Flatwasher - 17/32 ID x 1 3/8 OD x 12 Ga | 7 |
| 52 | D10803 | Flatwasher - 1 | 4 |
| 53 | D-5487 | Outside Washer - 1/2 OD x 3/16 ID | 4 |
| 54 | D10788 | Inside Washer - 7/8 OD x 3/16 ID | 4 |
| 55 | W14504 | Flatwasher - 1 1/2 OD | 4 |
| 56 | N17232 | Flatwasher - 4 1/8 OD | 2 |
| 57 | N22778 | Locknut - 1/4 w/Nylon Insert | 8 |
| 58 | W-514 | Hex Nut - 3/8 | 12 |
| 59 | D-5279 | Locknut - 3/8 Serrated | 4 |
| 60 | M-3388 | Locknut - 3/8 Unitorque | 8 |
| 61 | W-516 | Hex Nut - 1/2 | 9 |
| 62 | F-3405 | Locknut - 1/2 Unitorque | 4 |
| 63 | W-907 | Cotter Pin - 5/32 x 3/4 Lg | 2 |
| 64 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 2 |
| 65 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 66 | J12281 | Spiral Pin - 5/16 x 2 Lg | 2 |
| 67 | W-131 | Hair Pin - #9 - 0.148 x 3 5/16 Lg | 1 |
| 68 | D-4945 | Pop Rivet - 3/16 x 3/8 GRIP | 4 |
| 69 | S-752 | Grease Zerk - 1/4 Straight | 3 |
| 70 | D-5278 | Locknut - 5/16 Serrated | 1 |
| 71 | N19192 | Bushing - 1 ID x 1 1/2 OD x 1/2 Lg | 2 |
| 72 | W-793 | Flatwasher - 5/8 | 1 |
| 73 | W-517 | Hex Nut - 5/8 - Prior to June 2007 | 5 |
| | W-517 | Hex Nut - 5/8 - June 2007 | 1 |
| 74 | C-1472 | Jam Nut - 5/8 | 1 |
| 75 | N31775 | Lock - Auger Arm | 1 |
| 76 | N31763 | Handle | 1 |
| 77 | N15983 | Spiral Pin - 5/16 x 1 1/2 Lg | 1 |
| 78 | C29610 | U-Bolt - 5/8 x 8 x 5 1/2 - Prior to June 2007 | 2 |
| 79 | W-526 | Lockwasher - 5/8 - Prior to June 2007 | 4 |
| 80 | N21706 | Reducer - Auger Spout | 1 |
| 81 | N44143 | Mount Plate - June 2007 | 1 |
| 82 | N45424 | Support Bracket | 1 |
| 83 | S-1292 | Jam Nut - 1/2 | 1 |
| | N34477 | Reflector - AMBER (Not Shown) | 2 |
| | N19031 | Decal - Information (Not Shown) | 1 |
| | N19032 | Decal - Information (Not Shown) | 1 |
| | N19033 | Decal - Danger (Not Shown) | 1 |
| | N19034 | Decal - Danger (Not Shown) | 1 |
| | N31774 | Decal - Information - Auger Arm Lock (Not Shown) | 1 |
| | N19020 | Decal - Caution (Not Shown) | 1 |
| | N19778 | Extendible Spout Assembly<br>Includes Items #21, 22, 23, 31, 38, 39, 47, 53, 54, 57 & 68) | |

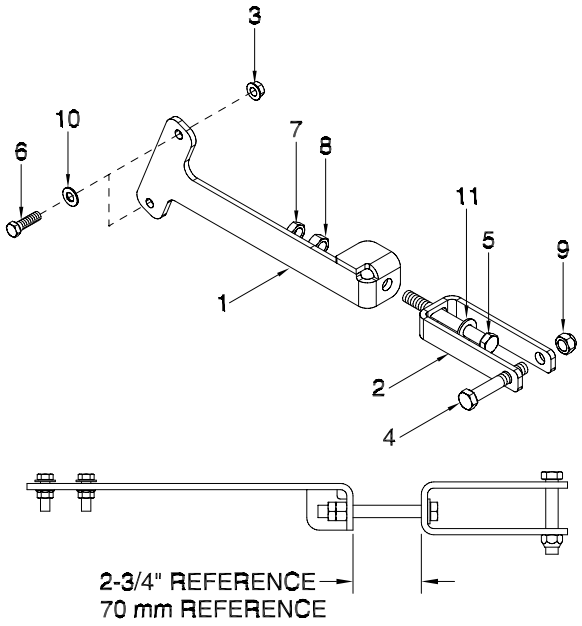
# Auger
## 7252 - 7 Auger



## Auger - 7252 - 7 Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27659 | Auger Housing - 7 x 222 Lg | 1 |
| 2 | N25544 | Flyteing - 7 x 219 1/2 Lg | 1 |
| | N21079 | Brush Flyteing - (Not Shown)(Opt) Order thru Whole goods | 1 |
| 3 | N27645 | Auger Mount Bracket | 1 |
| 4 | N31545 | Inner Auger Arm - 31 3/4 | 1 |
| | N31772 | Inner Auger Arm - 31 3/4 (Current) | 1 |
| 5 | N31546 | Outer Auger Arm - 31 3/4 | 1 |
| | N31773 | Outer Auger Arm - 31 3/4 (Current) | 1 |
| 6 | N19784 | Auger Hopper - 44 | 1 |
| 7 | N31020 | Screen (1998 to present) | 1 |
| | N19788 | Screen (Prior to1997) | 1 |
| | N31019 | Fine Screen (Not Shown)(1998 to present) (Optional) | 1 |
| | N27708 | Fine Screen (Not Shown)(Prior to 1997) (Optional) | 1 |
| 8 | N28915 | Cradle - 7 | 1 |
| 9 | N33553 | Handle w/Grip - Lock Arm Auger | 1 |
| | N32769 | Grip for N33553 | 1 |
| | N19737 | Handle for N33553 | 1 |
| 10 | N19736 | Link | 2 |
| 11 | N19195 | Saddle - Auger Pivot | 1 |
| 12 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal kit for N15982 | 1 |
| | N25319 | Shaft for N15982 | 1 |
| 13 | N19480 | Mount Plate | 1 |
| 14 | N15024 | Control Valve | 1 |
| | N31605 | Seal kit for N15204 | 1 |
| | N24595 | Handle for N15204 | 1 |
| 15 | N22809 | Bearing Support | 1 |
| 16 | N21293 | Strap - Upper - 3 1/2 | 1 |
| 17 | N21294 | Strap - Lower - 4 3/4 | 1 |
| 18 | N22802 | Hose - Flex - 7 Dia x 12 Lg | 1 |
| 19 | N22799 | Auger Spout | 1 |
| 20 | N24421 | Auger Spout - Extension | 1 |
| 21 | N27755 | Ladder - Auger Access | 1 |
| 22 | N27761 | Wear Plate - Ladder | 2 |
| 23 | N27705 | Latch - Auger Screen - Lower | 2 |
| 24 | N27706 | Latch - Auger Screen - Upper | 2 |
| 25 | N27759 | Bushing - 3/4 OD x 1 7/8 Lg | 4 |
| 26 | C22785 | Bushing (Blue) - 1 5/8 OD x 3/4 Lg | 1 |
| 27 | N15045 | Spring - 0.59 OD x 1 1/4 Lg | 2 |
| 28 | N19777 | Tie Down Strap - 15 - Rubber | 1 |
| 29 | N15462 | Hose Clamp - 8 Dia | 1 |
| 30 | N19449 | Seal Strip - 3/8 x 1 x 15(Bulk/ft) | 1 |
| 31 | BW-8 | Pin - 1/2 x 1 1/32 UL | 2 |
| 32 | N19745 | Lock Pin - 1/2 x 1 1/32 UL | 1 |
| 33 | N17217 | Pin - 1 x 4 3/4 UL | 1 |
| 34 | N27700 | Pin - Auger Pivot - 1 Dia | 1 |
| 35 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 3 |
| 36 | W-470 | Hex Bolt - 1/4 x 1 1/4 Lg | 1 |
| 37 | W-867 | Hex Bolt - 3/8 x 3/4 Lg | 10 |
| 38 | W-475 | Hex Bolt - 3/8 x 1 Lg | 4 |
| 39 | W-187 | Hex Bolt - 3/8 x 1 1/4 Lg | 8 |
| 40 | W-478 | Hex Bolt - 3/8 x 2 Lg | 2 |
| 41 | W-492 | Hex Bolt - 1/2 x 3 Lg | 1 |
| 42 | W-493 | Hex Bolt - 1/2 x 3 1/2 Lg | 5 |
| 43 | S-1198 | Flatwasher - 1/4 | 1 |
| 44 | W-538 | Flatwasher - 3/8 | 10 |
| 45 | W-793 | Flatwasher - 5/8 | 1 |
| 46 | W-523 | Lockwasher - 3/8 | 18 |
| 47 | W-525 | Lockwasher - 1/2 | 4 |
| 48 | W-539 | Washer - 17/32 ID x 1 3/8 OD x 12 Ga | 4 |
| 49 | D10803 | Flatwasher - 1 | 5 |
| 50 | D-5487 | Outside Washer - 1/2 OD x 3/16 ID | 4 |
| 51 | D10788 | Inside Washer - 7/8 OD x 3/16 ID | 4 |
| 52 | W14504 | Flatwasher - 1 1/2 OD | 4 |
| 53 | N17232 | Flatwasher - 4 1/8 OD | 2 |
| 54 | N22778 | Locknut - 1/4 | 4 |
| 55 | W-514 | Hex Nut 3/8 | 10 |
| 56 | D-5279 | Serrated Locknut - 3/8 | 4 |
| 57 | M-3388 | Locknut - 3/8 Unitorque | 4 |
| 58 | W-516 | Hex Nut - 1/2 | 4 |
| 59 | F-3405 | Locknut - 1/2 Unitorque | 3 |
| 60 | C-1472 | Jam Nut - 5/8 | 1 |
| 61 | W-517 | Hex Nut - 5/8 | 1 |
| 62 | W-907 | Cotter Pin - 5/32 x 3/4 Lg | 2 |
| 63 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 2 |
| 64 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 65 | J12281 | Spiral Pin - 5/16 x 2 Lg | 2 |
| 66 | W-131 | Hairpin - #9 - 0.148 x 3 5/16 Lg | 1 |
| 67 | D-4945 | Pop Rivet - 3/16 x 3/8 GRIP | 4 |
| 68 | S-752 | Grease Zerk - 1/4 Straight | 3 |
| 69 | D-5278 | Locknut - 5/16 Serrated | 1 |
| 70 | N31518 | Handle (Prior to June/99) | 1 |
| 71 | N31628 | Pin - 1 x 5 29/32 (Prior to June/99) | 1 |
| 72 | N31767 | Pin - 1 x 7 21/32 (Current) | 1 |
| 73 | S-3001 | Spiral Pin - 3/16 x 1 (Prior to June/99) | 1 |
| 74 | N31760 | Lock - Auger Arm (Current) | 1 |
| 75 | N31763 | Handle (Current) | 1 |
| 76 | N15983 | Spiral Pin - 5/16 x 1 1/2 Lg (Current) | 1 |
| 77 | N31774 | Decal - Information (Not Shown) | 1 |
| | N34477 | Reflector - AMBER (Not Shown) | 2 |
| | N19031 | Decal - Information (Not Shown) | 1 |
| | N19032 | Decal - Information (Not Shown) | 1 |
| | N19033 | Decal - Danger (Not Shown) | 1 |
| | N19034 | Decal - Danger (Not Shown) | 1 |
| | N19481 | Spout Assembly (Includes Items 18, 19, 50, 51 & 67) | |
| | N19778 | Extendible Spout Assembly (Optional) (Includes Items 18, 19, 20, 28, 35, 36, 43, 50, 51, 54 & 67) | |
| | N23188 | Kit - Spout Extention (Optional) (Includes Items 20, 28, 35, 36, 43 & 54) | |
| | N31769 | Kit - Auger Arm Lock 7252 (Includes 45, 49, 60, 61, 65, 72, 74, 75, 76, 77) | |

# Auger
## Auger Support Kit







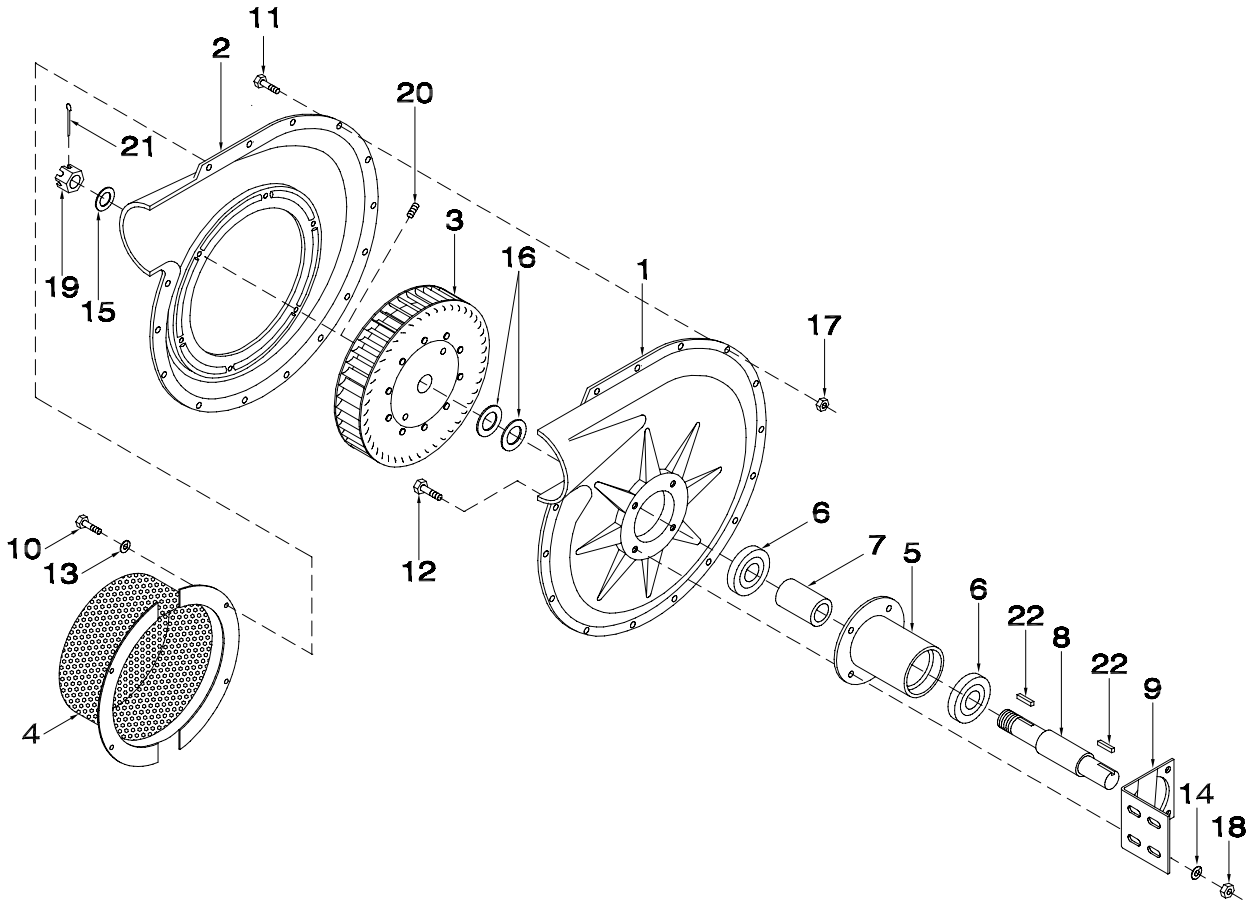
| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N45240 | Auger Support Base | 1 |
| 2 | N45242 | Auger Support Clamp | 1 |
| 3 | D-5279 | Locknut - 3/8 Flange | 2 |
| 4 | W-492 | Hex Bolt - 1/2 X 3 Lg | 1 |
| 5 | S-951 | Hex Bolt - 1/2 X 4 1/2 Lg | 1 |
| 6 | W-187 | Hex Bolt - 3/8 X 1 1/4 Lg | 2 |
| 7 | S-1292 | Hex Jam Nut - 1/2 | 1 |
| 8 | W-516 | Hex Nut - 1/2 - 12 UNC | 1 |
| 9 | F-3405 | Locknut - 1/2 Unitorque | 1 |
| 10 | D-5489 | Flatwasher - 13/32 ID X 13/16 OD X 16 GA | 2 |
| 11 | S-1925 | Flatwasher - 33/64 ID X 1 OD X 13 GA | 1 |
| | N43471 | Kit - Auger Support (Includes all above items) | |

# Section 7:
# Fan

## Section Contents

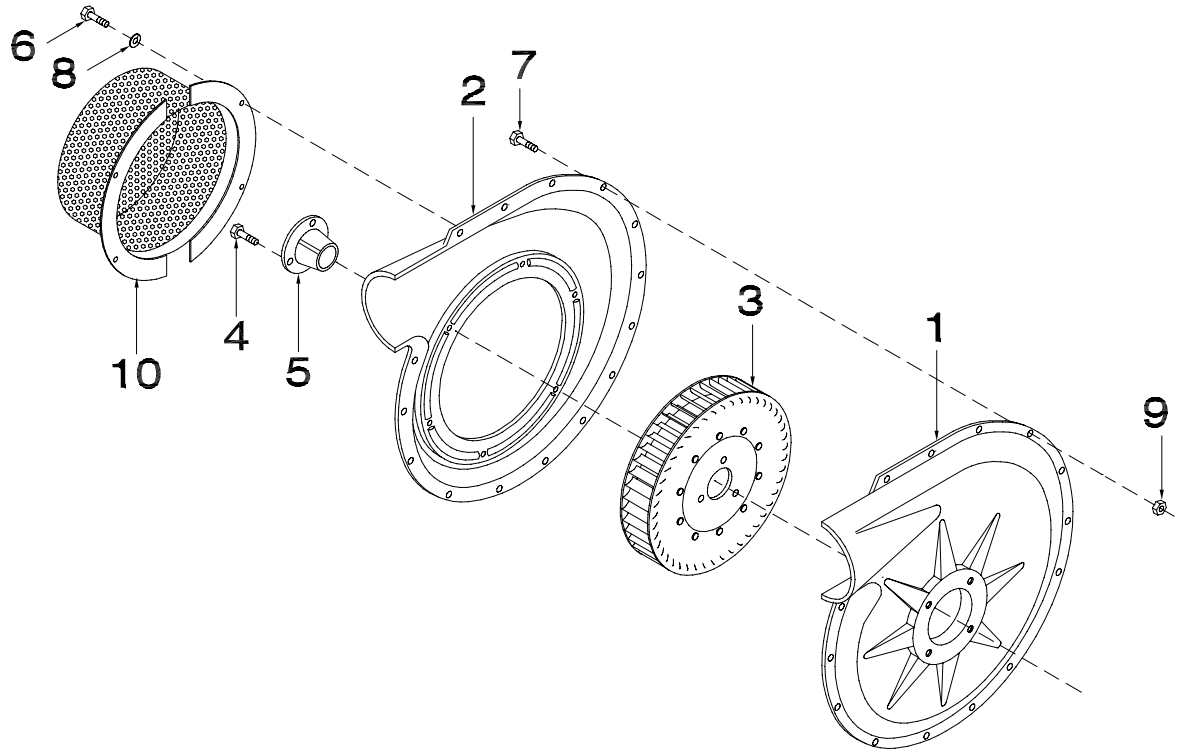
Crary Belt Drive ..... 7-2
Crary Hydraulic Drive ..... 7-3
Orbit Motor ..... 7-4

# Fan
## Crary Belt Drive



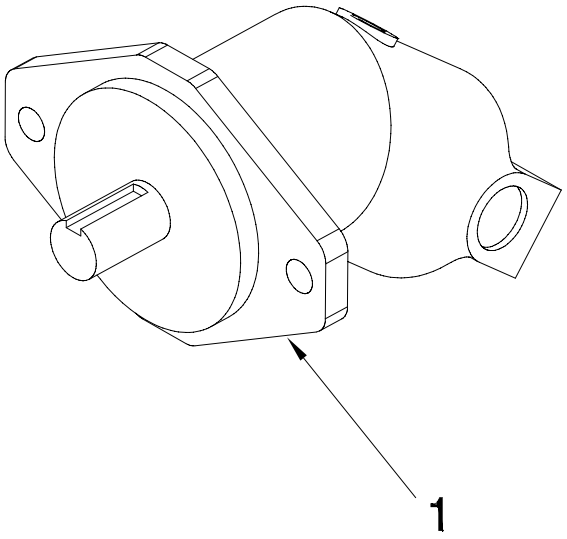

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N19499 | Drive Side Casting | 1 |
| 2 | N16709 | Inlet Side Casting | 1 |
| 3 | N19498 | Rotor | 1 |
| 4 | N28190 | Screen | 1 |
| 5 | N19500 | Bearing Housing | 1 |
| 6 | N19502 | Bearing | 2 |
| 7 | N19565 | Spacer | 1 |
| 8 | N19501 | Shaft | 1 |
| 9 | N19463 | Mount Bracket | 1 |
| 10 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 6 |
| 11 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 15 |
| 12 | W-486 | Hex Bolt - 1/2 x 1 1/2 Lg | 4 |
| 13 | S-4747 | Flatwasher - 1/4 | 6 |
| 14 | W-525 | Lockwasher - 1/2 | 4 |
| 15 | W-476 | Flatwasher - 3/4 | 1 |
| 16 | W-544 | Flatwasher - 7/8 | 2 |
| 17 | D-5277 | Lock Nut - 1/4 Serrated | 15 |
| 18 | W-516 | Hex Nut - 1/2 | 4 |
| 19 | N19505 | Castle Nut - 3/4 | 1 |
| 20 | N19564 | Setscrew - 5/16 x 5/8 Lg | 1 |
| 21 | D-5237 | Cotter Pin - 5/32 x 1 1/2 Lg | 1 |
| 22 | N19084 | Key - 3/16 x 3/16 x 1 1/4 Lg | 2 |
| | N19369 | Fan (Includes All Above Items Except #4) | |

# Fan
## Crary Hydraulic Drive




| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16708 | Bearing Plate Casting | 1 |
| 2 | N16709 | Inlet Casting | 1 |
| 3 | N16710 | Rotor | 1 |
| 4 | N16716 | Machine Screw - #10-24 x 1 | 3 |
| 5 | N16712 | Tapered Bushing (Includes Hardware) | 1 |
| 6 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 6 |
| 7 | W-1552 | Hex Bolt - 1/4 x 1 Lg | 15 |
| 8 | S-4747 | Flatwasher - 1/4 | 6 |
| 9 | D-5277 | Lock Nut - 1/4 Serrated | 15 |
| 10 | N28190 | Screen - Fan Inlet | 1 |
| | N29373 | Key - 6 mm SQ x 15 (Not Shown) | 1 |
| | N16263 | Fan (Includes All Above Items Except for #10) | |

# Fan
# Orbit Motor



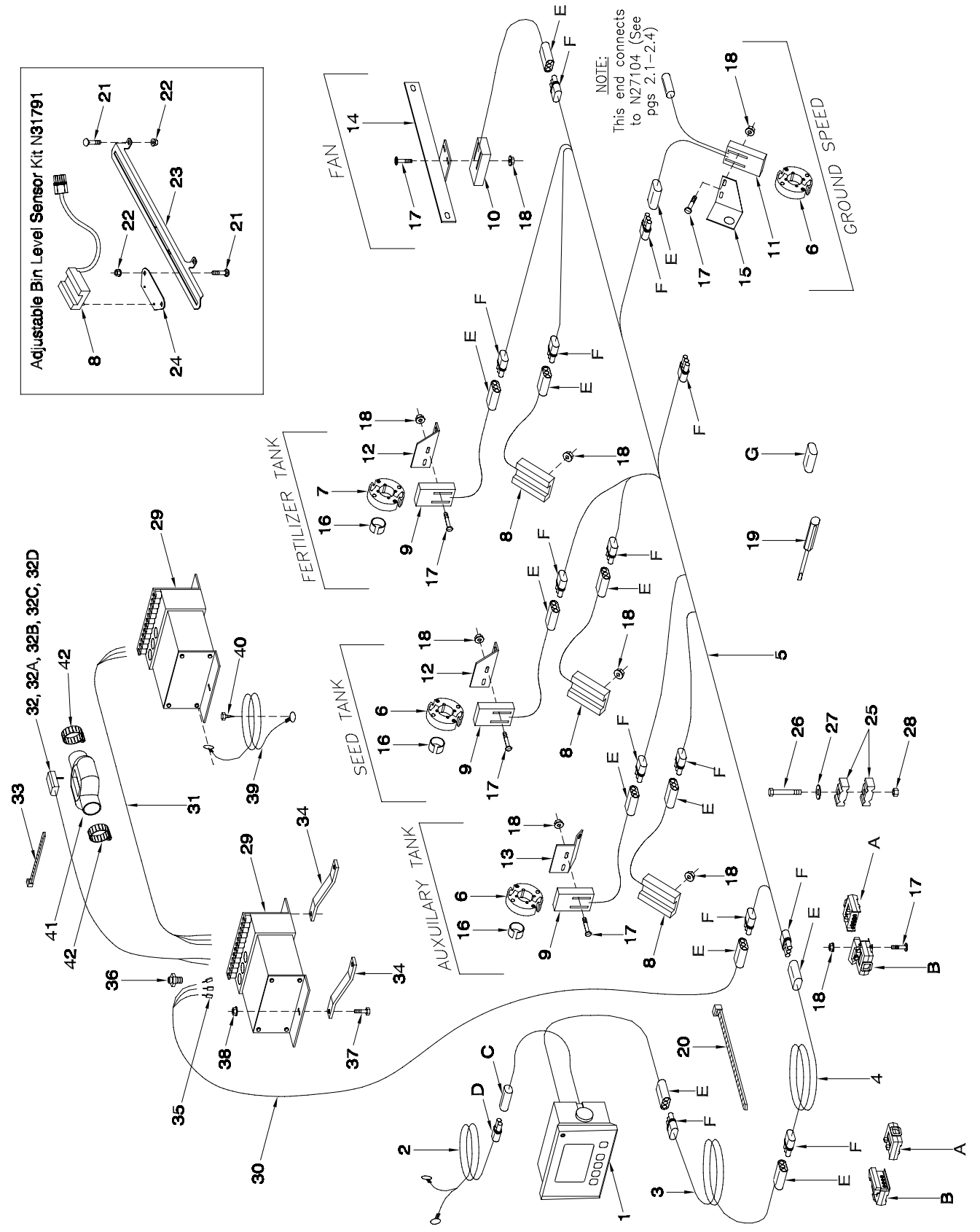

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N29372 | Rexroth Orbit Motor - 12cc - 20mm shaft | 1 |
| | N37742 | Rexroth Orbit Motor - 16cc - 20mm shaft (Optional) | 1 |
| | N44690 | Parker Orbit Motor - 12cc - 20mm shaft | 1 |
| | N25507 | Shaft Seal Only for above Rexroth Motors | 1 |
| | N25508 | Seal Kit for above Rexroth Motors | 1 |
| | N45040 | Shaft Seal Only for above Parker Motor | 1 |
| | N45035 | Seal Kit for above Parker Motor | 1 |

# Section 8: Monitor

## Section Contents

Version 1 Monitor & Pin Blockage Module ..... 8-2
Version 2 Monitor & Pin Blockage Module ..... 8-4
Version 3 Monitor & Pin Blockage Module ..... 8-6
Replacement Connectors ..... 8-8
Optical Blockage System ..... 8-9
FTU - Field Test Unit ..... 8-10

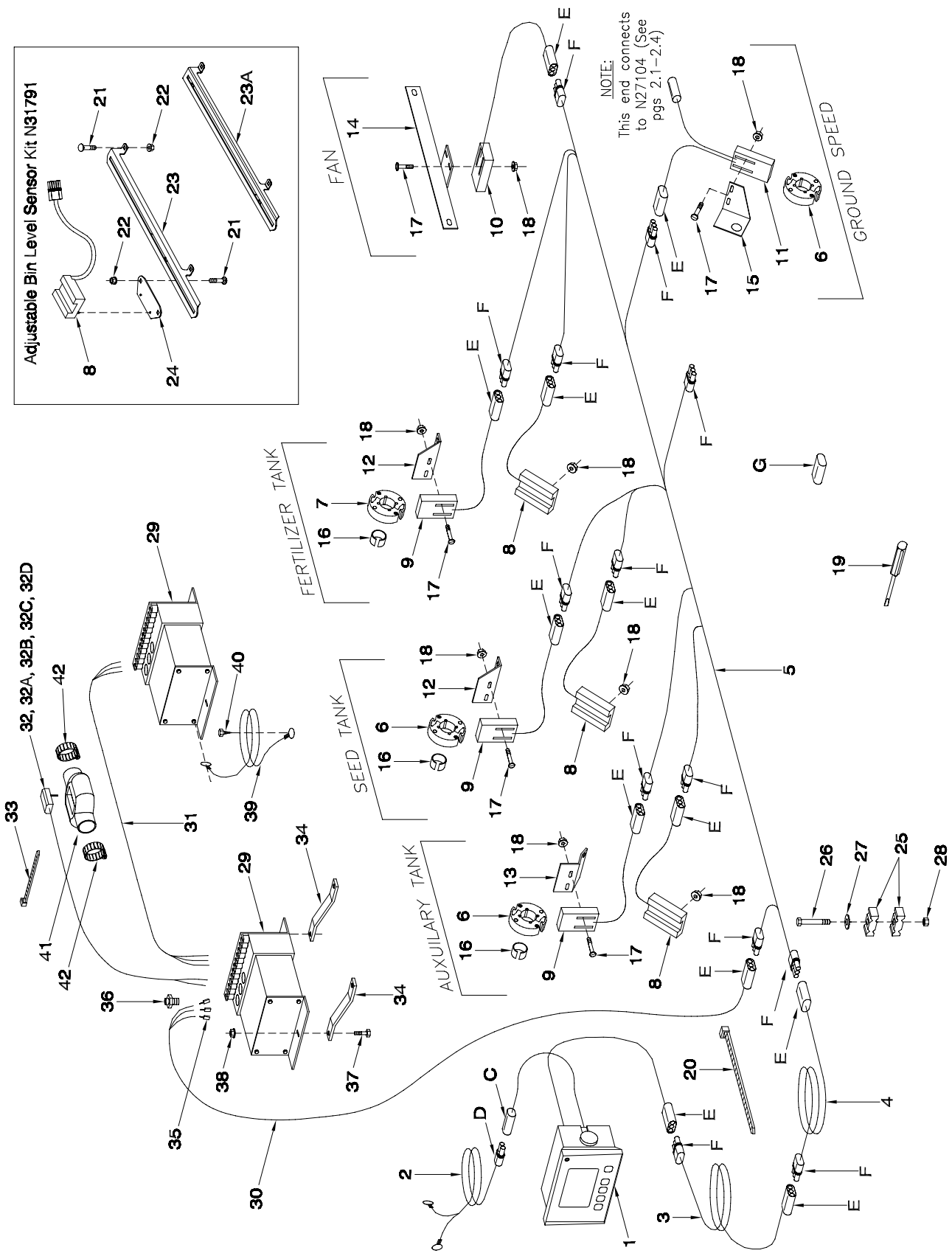
# Monitor
## Version 1 Monitor & Pin Blockage Module



## Monitor - Version 1 Monitor and Pin Blockage Module

| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **Monitor Assembly** | |
| 1 | N27010 | Monitor - Version 1 - NEW | 1 |
| | N27010R | Monitor - Version 1 - REBUILT | |
| 2 | N27609 | Power Cable - Monitor | 1 |
| 3 | N32470 | Wire - Monitor Extension - 21 ft (Weather Pak) | 1 |
| | N27608 | Wire - Monitor Extension - 21 ft (Brylite) | 1 |
| 4 | N32471 | Wire - Monitor Extension - 37 1/2 ft (Weather Pak) Tow Behind ONLY | 1 |
| | N28199 | Wire - Monitor Extension - 37 1/2 ft (Brylite) Tow Behind ONLY | 1 |
| 5 | N32472 | Harness - Monitor (Weather Pak) 7130 / 7180 Tow Behind | 1 |
| | N27006 | Harness - Monitor (Brylite) 7130 / 7180 Tow Behind | 1 |
| | N32474 | Harness - Monitor (Weather Pak) 7240 / 7300 Tow Behind | 1 |
| | N27008 | Harness - Monitor (Brylite) 7240 / 7300 Tow Behind | 1 |
| | N32473 | Harness - Monitor (Weather Pak) 7180 Tow Between | 1 |
| | N27007 | Harness - Monitor (Brylite) 7180 Tow Between | 1 |
| | N32475 | Harness - Monitor (Weather Pak) 7240 Tow Between | 1 |
| | N27009 | Harness - Monitor (Brylite) 7240 Tow Between | 1 |
| | N32476 | Harness - Monitor (Weather Pak) 7252 Tow Behind | 1 |
| | N31550 | Harness - Monitor (Brylite) 7252 Tow Behind | 1 |
| | N32477 | Harness - Monitor (Weather Pak) 7252 Tow Between | 1 |
| | N31551 | Harness - Monitor (Brylite) 7252 Tow Between | 1 |
| 6 | N16471 | Reed Switch Actuator - 4 Magnet | 3 |
| 7 | N16473 | Reed Switch Actuator - 2 Magnet | 1 |
| 8 | N27616 | Sensor - Bin Level c/w Gasket | 3 |
| 9 | N27617 | Reed Switch | 3 |
| 10 | N27618 | Magnetic Sensor - Fan | 1 |
| 11 | N27619 | Reed Switch - Ground | 1 |
| 12 | N19450 | Sensor Mount - Metershaft - Main | 2 |
| 13 | N21671 | Sensor Mount - Metershaft - Granular | 1 |
| 14 | N16565 | Sensor Mount - Fan | 1 |
| 15 | N27621 | Sensor Mount - Main Switch - Ground | 1 |
| 16 | N19599 | Bushing - Spacer | 3 |
| 17 | N16563 | Machine Screw - #8 - 32 UNC x 1 1/4 Lg | 14 |
| 18 | N16564 | Serrated Locknut - #8 - 32 UNC | 20 |
| 19 | N27625 | Assembly Tool - Packard Connector | 1 |
| 20 | D-4838 | Nylon Tie Strap - 14 1/2 Lg (Black) | 1 |
| 21 | D-5259 | Carriage Head Bolt - 5/16 x 3/4 | 6 |
| 22 | D-5278 | Serrated Nut - 5/16 | 6 |
| 23 | N31792 | Adjustment Plate | 1 |
| 24 | N31790 | Base Plate | 1 |
| 25 | C-4698 | Nylon Clamp | 2 |
| 26 | W-479 | Hex Head Bolt - 3/8 x 2 1/4 | 1 |
| 27 | W-538 | Flat Washer - 3/8 | 1 |
| 28 | M-3388 | Lock Nut - 3/8 | 1 |
| | | **Blockage Module Assembly - Pin Sensor** | |
| 29 | N27624 | Module - Blockage | As req |
| 30 | N27623 | Wire - Blockage Module (Required for 1st Module ONLY) | 1 |
| 31 | N16474 | Wire - Connector - Blockage Module (Req'd for subsequent Modules) | As req |
| 32 | N28487 | Pin Sensor - 5 ft Lg | As req |
| 32A | N28488 | Pin Sensor - 10 ft Lg | As req |
| 32B | N28489 | Pin Sensor - 15 ft Lg | As req |
| 32C | N28490 | Pin Sensor - 20 ft Lg | As req |
| 32D | N28491 | Pin Sensor - 30 ft Lg | As req |
| 33 | N34263 | Nylon Tie Strap - 11 1/2 Lg (Qty per Pin Sensor) | 1 |
| 34 | N21520 | Bracket - Mount (Qty per Blockage Module) | 2 |
| 35 | N21654 | Female Connector - 18 Ga Fast-On (Qty per Blockage Module) | 6 |
| 36 | N21653 | Module Wire Retainer (Qty per Blockage Module) | 2 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg (Qty per Blockage Module) | 2 |
| 38 | D-5277 | Serrated Locknut - 1/4 (Qty per Blockage Module) | 2 |
| 39 | N31049 | Wire - Ground - Blockage Module (Qty per Blockage Module) | 1 |
| 40 | N16698 | Screw - 1/4 x 3/4 Self Tapping (Qty per Blockage Module) | 1 |
| 41 | N29735 | Sensor Bubble w/clamps | As req |
| 42 | N11470 | Clamp | As req |
| | | **Blockage Module Kits and Replacement Parts on Page 8-8** | |

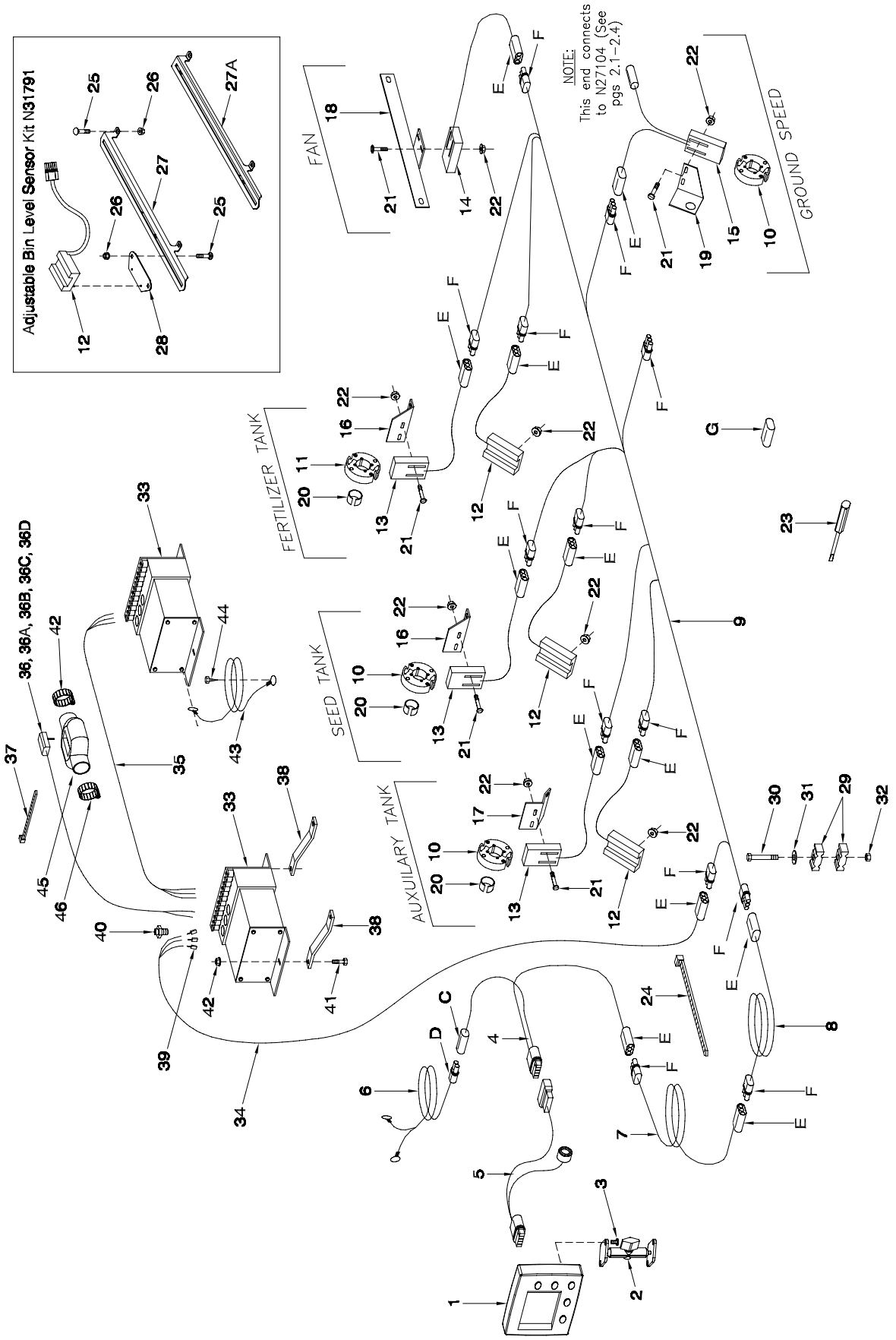
# Monitor
## Version 2 Monitor & Pin Blockage Module



## Monitor - Version 2 Monitor and Blockage Module

| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **Monitor Assembly** | |
| 1 | N37010 | Monitor - Version 2 - NEW | 1 |
| | N37010R | Monitor - Version 2 - REBUILT | |
| 2 | N27609 | Power Cable - Monitor | 1 |
| 3 | N32470 | Wire - Monitor Extension - 21 ft (Weather Pak) | 1 |
| 4 | N32471 | Wire - Monitor Extension - 37 1/2 ft (Weather Pak) Tow Behind ONLY | 1 |
| 5 | N32472 | Harness - Monitor (Weather Pak) 7130 / 7180 Tow Behind | 1 |
| | N32474 | Harness - Monitor (Weather Pak) 7240 / 7300 Tow Behind | 1 |
| | N32473 | Harness - Monitor (Weather Pak) 7180 Tow Between | 1 |
| | N32475 | Harness - Monitor (Weather Pak) 7240 Tow Between | 1 |
| | N32476 | Harness - Monitor (Weather Pak) 7252 Tow Behind | 1 |
| | N32477 | Harness - Monitor (Weather Pak) 7252 Tow Between | 1 |
| 6 | N16471 | Reed Switch Actuator - 4 Magnet | 3 |
| 7 | N16473 | Reed Switch Actuator - 2 Magnet | 1 |
| 8 | N27616 | Sensor - Bin Level c/w Gasket | 3 |
| 9 | N27617 | Reed Switch | 3 |
| 10 | N27618 | Magnetic Sensor - Fan | 1 |
| 11 | N27619 | Reed Switch - Ground | 1 |
| 12 | N19450 | Sensor Mount - Metershaft - Main | 2 |
| 13 | N21671 | Sensor Mount - Metershaft - Granular | 1 |
| 14 | N16565 | Sensor Mount - Fan | 1 |
| 15 | N27621 | Sensor Mount - Main Switch - Ground | 1 |
| 16 | N19599 | Bushing - Spacer | 3 |
| 17 | N16563 | Machine Screw - #8 - 32 UNC x 1 1/4 Lg | 14 |
| 18 | N16564 | Serrated Locknut - #8 - 32 UNC | 20 |
| 19 | N27625 | Assembly Tool - Packard Connector | 1 |
| 20 | D-4838 | Nylon Tie Strap - 14 1/2 Lg (Black) | 1 |
| 21 | D-5259 | Carriage Head Bolt - 5/16 x 3/4 | 6 |
| 22 | D-5278 | Serrated Nut - 5/16 | 6 |
| 23 | N31792 | Adjustment Plate - Prior to June 2007 | 1 |
| 23A | N42149 | Adjustment Plate - June 2007 | 1 |
| 24 | N31790 | Base Plate | 1 |
| 25 | C-4698 | Nylon Clamp | 2 |
| 26 | W-479 | Hex Head Bolt - 3/8 x 2 1/4 | 1 |
| 27 | W-538 | Flat Washer - 3/8 | 1 |
| 28 | M-3388 | Lock Nut - 3/8 | 1 |
| | | **Blockage Module Assembly - Pin Sensor** | |
| 29 | N27624 | Module - Blockage | As req |
| 30 | N27623 | Wire - Blockage Module (Required for 1st Module ONLY) | 1 |
| 31 | N16474 | Wire - Connector - Blockage Module (Req'd for subsequent Modules) | As req |
| 32 | N28487 | Pin Sensor - 5 ft Lg | As req |
| 32A | N28488 | Pin Sensor - 10 ft Lg | As req |
| 32B | N28489 | Pin Sensor - 15 ft Lg | As req |
| 32C | N28490 | Pin Sensor - 20 ft Lg | As req |
| 32D | N28491 | Pin Sensor - 30 ft Lg | As req |
| 33 | N34263 | Nylon Tie Strap - 11 1/2 Lg (Qty per Pin Sensor) | 1 |
| 34 | N21520 | Bracket - Mount (Qty per Blockage Module) | 2 |
| 35 | N21654 | Female Connector - 18 Ga Fast-On (Qty per Blockage Module) | 6 |
| 36 | N21653 | Module Wire Retainer (Qty per Blockage Module) | 2 |
| 37 | W-469 | Hex Bolt - 1/4 x 3/4 Lg (Qty per Blockage Module) | 2 |
| 38 | D-5277 | Serrated Locknut - 1/4 (Qty per Blockage Module) | 2 |
| 39 | N31049 | Wire - Ground - Blockage Module (Qty per Blockage Module) | 1 |
| 40 | N16698 | Screw - 1/4 x 3/4 Self Tapping (Qty per Blockage Module) | 1 |
| 41 | N29735 | Sensor Bubble w/clamps | As req |
| 42 | N11470 | Clamp | As req |
| | | **Optical Sensor - See Page 8-9** | |
| | | **Blockage Module Kits and Replacement Parts on Page 8-8** | |

# Monitor
## Version 3 Monitor & Pin Blockage Module



## Monitor - Version 3 Monitor and Blockage Module

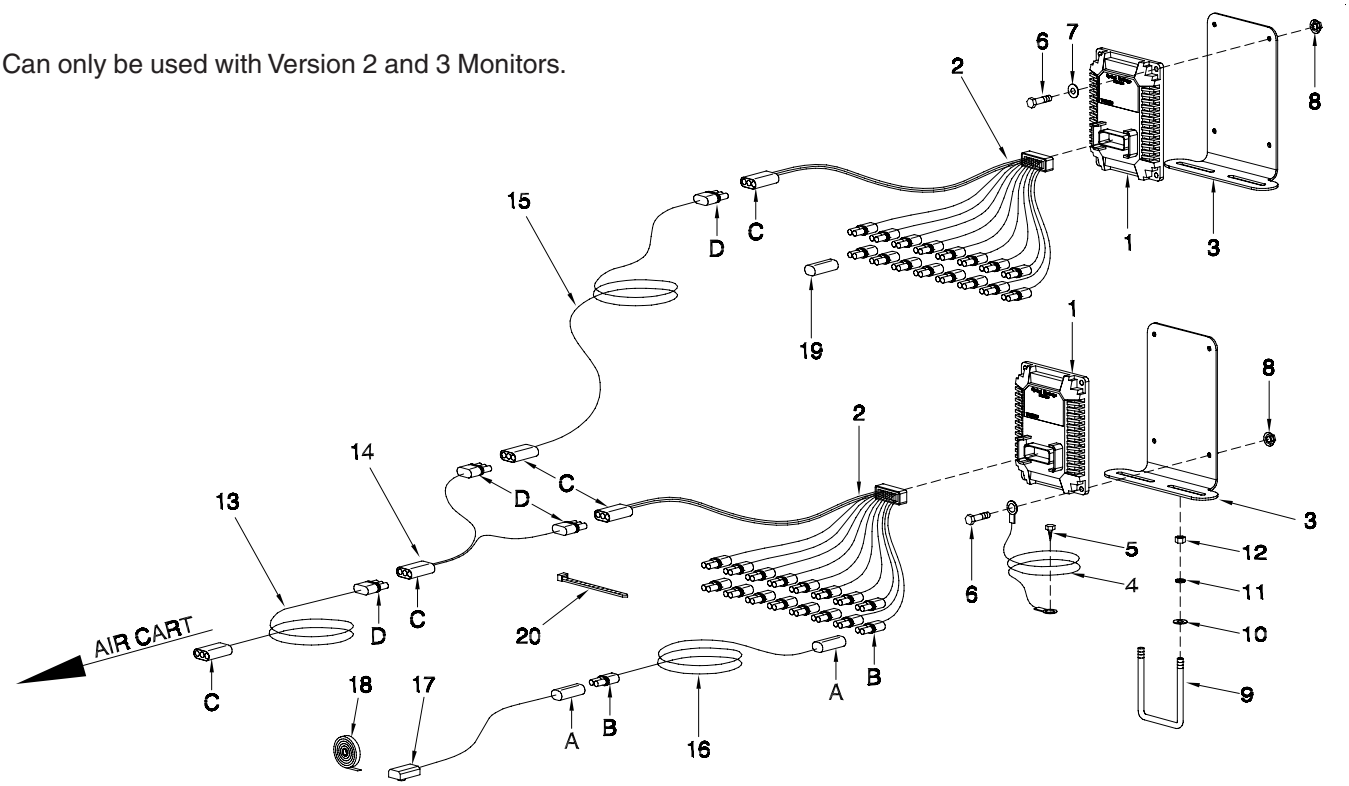
| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **Monitor Assembly** | |
| 1 | N44049 | Monitor - Version 3 - NEW | 1 |
| | N44049R | Monitor - Version 3 - REBUILT | |
| 2 | N44254 | Mount - VMD Monitor | 1 |
| 3 | N44265 | Machine Screw - #10-32 x 1/2 | 2 |
| 4 | N44253 | Power Cable - VMD Monitor | 1 |
| 5 | N44264 | Alarm and Cable Assembly - Optional | 1 |
| | N44256 | Alarm | 1 |
| | N44255 | Adaptor Cable | 1 |
| 6 | N27609 | Power Cable - Monitor | 1 |
| 7 | N32470 | Wire - Monitor Extension - 21 ft (Weather Pak) | 1 |
| 8 | N32471 | Wire - Monitor Extension - 37 1/2 ft (Weather Pak) Tow Behind ONLY | 1 |
| 9 | N32472 | Harness - Monitor (Weather Pak) 7130 / 7180 Tow Behind | 1 |
| | N32474 | Harness - Monitor (Weather Pak) 7240 / 7300 Tow Behind | 1 |
| | N32473 | Harness - Monitor (Weather Pak) 7180 Tow Between | 1 |
| | N32475 | Harness - Monitor (Weather Pak) 7240 Tow Between | 1 |
| 10 | N16471 | Reed Switch Actuator - 4 Magnet | 3 |
| 11 | N16473 | Reed Switch Actuator - 2 Magnet | 1 |
| 12 | N27616 | Sensor - Bin Level c/w Gasket | 3 |
| 13 | N27617 | Reed Switch | 3 |
| 14 | N27618 | Magnetic Sensor - Fan | 1 |
| 15 | N27619 | Reed Switch - Ground | 1 |
| 16 | N19450 | Sensor Mount - Metershaft - Main | 2 |
| 17 | N21671 | Sensor Mount - Metershaft - Granular | 1 |
| 18 | N16565 | Sensor Mount - Fan | 1 |
| 19 | N27621 | Sensor Mount - Main Switch - Ground | 1 |
| 20 | N19599 | Bushing - Spacer | 3 |
| 21 | N16563 | Machine Screw - #8 - 32 UNC x 1 1/4 Lg | 14 |
| 22 | N16564 | Serrated Locknut - #8 - 32 UNC | 20 |
| 23 | N27625 | Assembly Tool - Packard Connector | 1 |
| 24 | D-4838 | Nylon Tie Strap - 14 1/2 Lg (Black) | 1 |
| 25 | D-5259 | Carriage Head Bolt - 5/16 x 3/4 | 6 |
| 26 | D-5278 | Serrated Nut - 5/16 | 6 |
| 27 | N31792 | Adjustment Plate - Prior to June 2007 | 1 |
| 27A | N42149 | Adjustment Plate - June 2007 | 1 |
| 28 | N31790 | Base Plate | 1 |
| 29 | C-4698 | Nylon Clamp | 2 |
| 30 | W-479 | Hex Head Bolt - 3/8 x 2 1/4 | 1 |
| 31 | W-538 | Flat Washer - 3/8 | 1 |
| 32 | M-3388 | Lock Nut - 3/8 | 1 |
| | | **Blockage Module Assembly - Pin Sensor** | |
| 33 | N27624 | Module - Blockage | As req |
| 34 | N27623 | Wire - Blockage Module (Required for 1st Module ONLY) | 1 |
| 35 | N16474 | Wire - Connector - Blockage Module (Req'd for subsequent Modules) | As req |
| 36 | N28487 | Pin Sensor - 5 ft Lg | As req |
| 36A | N28488 | Pin Sensor - 10 ft Lg | As req |
| 36B | N28489 | Pin Sensor - 15 ft Lg | As req |
| 36C | N28490 | Pin Sensor - 20 ft Lg | As req |
| 36D | N28491 | Pin Sensor - 30 ft Lg | As req |
| 37 | N34263 | Nylon Tie Strap - 11 1/2 Lg (Qty per Pin Sensor) | 1 |
| 38 | N21520 | Bracket - Mount (Qty per Blockage Module) | 2 |
| 39 | N21654 | Female Connector - 18 Ga Fast-On (Qty per Blockage Module) | 6 |
| 40 | N21653 | Module Wire Retainer (Qty per Blockage Module) | 2 |
| 41 | W-469 | Hex Bolt - 1/4 x 3/4 Lg (Qty per Blockage Module) | 2 |
| 42 | D-5277 | Serrated Locknut - 1/4 (Qty per Blockage Module) | 2 |
| 43 | N31049 | Wire - Ground - Blockage Module (Qty per Blockage Module) | 1 |
| 44 | N16698 | Screw - 1/4 x 3/4 Self Tapping (Qty per Blockage Module) | 1 |
| 45 | N29735 | Sensor Bubble w/clamps | As req |
| 46 | N11470 | Clamp | As req |
| | | **Optical Sensor - See Page 8-9** | |
| | | **Blockage Module Kits and Replacement Parts on Page 8-8** | |

# Monitor
# Replacement Connectors

| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **Replacement Connectors** | |
| A | N21538 | Brylite Connector - 4 Pin Male | |
| B | N21539 | Brylite Connector - 4 Pin Female | |
| C | N29384 | Weather Pak Connector - BLACK - 2 Pin Plug (Shroud) | |
| D | N29385 | Weather Pak Connector - BLACK - 2 Pin Socket (Tower) | |
| E | N27613 | Weather Pak Connector - BLACK - 3 Pin Plug (Shroud) | |
| F | N27614 | Weather Pak Connector - BLACK - 3 Pin Socket (Tower) | |
| G | N27615 | Seal Connector - BLACK - 3 Pin Plug | |
| H | N29151 | Weather Pak Connector - BLACK - 4 Pin Plug (Shroud) | |
| I | N29152 | Weather Pak Connector - BLACK - 4 Pin Socket (Tower) | |
| J | N29153 | Seal Connector - BLACK - 4 Pin Plug | |
| K | N28901 | Weather Pak Connector - BLUE - 3 Pin Plug (Shroud) | |
| L | N28902 | Weather Pak Connector - BLUE - 3 Pin Socket (Tower) | |
| M | N29143 | Seal Connector - BLUE - 3 Pin Plug | |
| N | N28903 | Weather Pak Connector - RED - 3 Pin Plug (Shroud) | |
| O | N28904 | Weather Pak Connector - RED - 3 Pin Socket (Tower) | |
| P | N29144 | Seal Connector - RED - 3 Pin Plug | |
| Q | N28905 | Weather Pak Connector - WHITE - 3 Pin Plug (Shroud) | |
| R | N28906 | Weather Pak Connector - WHITE - 3 Pin Socket (Tower) | |
| S | N29145 | Seal Connector - WHITE - 3 Pin Plug | |
| | N29147 | Seal - Weather Pak - Cavity Plug (Not Shown) | |
| | N29148 | Seal - Weather Pak - Wire Plug (Not Shown) | |
| | N29149 | Terminal - Weather Pak - Male End (Not Shown) | |
| | N29150 | Terminal - Weather Pak - Female End (Not Shown) | |
| | | **Replacement Parts (Not Shown)** | |
| | N24391 | Fuse Holder & Cap (Installed in Clutch Switch Box N27011) | |
| | N30575 | Circuit Breaker FC-191-05-15-P (Installed in Item #1 - Versions 1.1 to 1.3) | |
| | N24302 | Magnet Only - 1/4 Round x 3/4 Lg (Installed in Items #6 & 7) - pairs only | |
| | N28671 | Mount Bracket - Monitor - #VM253501 | |
| | N29833 | Knob for Monitor Mount Bracket - #103302 | |
| | | **Blockage Module Kits - Pin Sensor** | |
| | N27606 | Blockage Module Kit (Includes Items #25, 30, 31, 32, 33, 34, 35 & 36) | |
| | N30659 | 5 ft Pin Sensor Kit (Includes Items #28 & 29) | |
| | N30660 | 10 ft Pin Sensor Kit (Includes Items #28A & 29) | |
| | N30661 | 15 ft Pin Sensor Kit (Includes Items #28B & 29) | |
| | N30662 | 20 ft Pin Sensor Kit (Includes Items #28C & 29) | |
| | N30663 | 30 ft Pin Sensor Kit (Includes Items #28D & 29) | |
| | N35530 | Kit 5 ft Pin Sensor w/ Bubble (Includes Items #28, 29 & 37) | |
| | N35531 | Kit 10 ft Pin Sensor w/ Bubble (Includes Items #28A, 29 & 37) | |
| | N35532 | Kit 15 ft Pin Sensor w/ Bubble (Includes Items #28B, 29 & 37) | |
| | N35533 | Kit 20 ft Pin Sensor w/ Bubble (Includes Items #28C, 29 & 37) | |
| | N35534 | Kit 30 ft Pin Sensor w/ Bubble (Includes Items #28D, 29 & 37) | |
| | | **ORDER KITS THROUGH WHOLEGOODS ONLY** | |

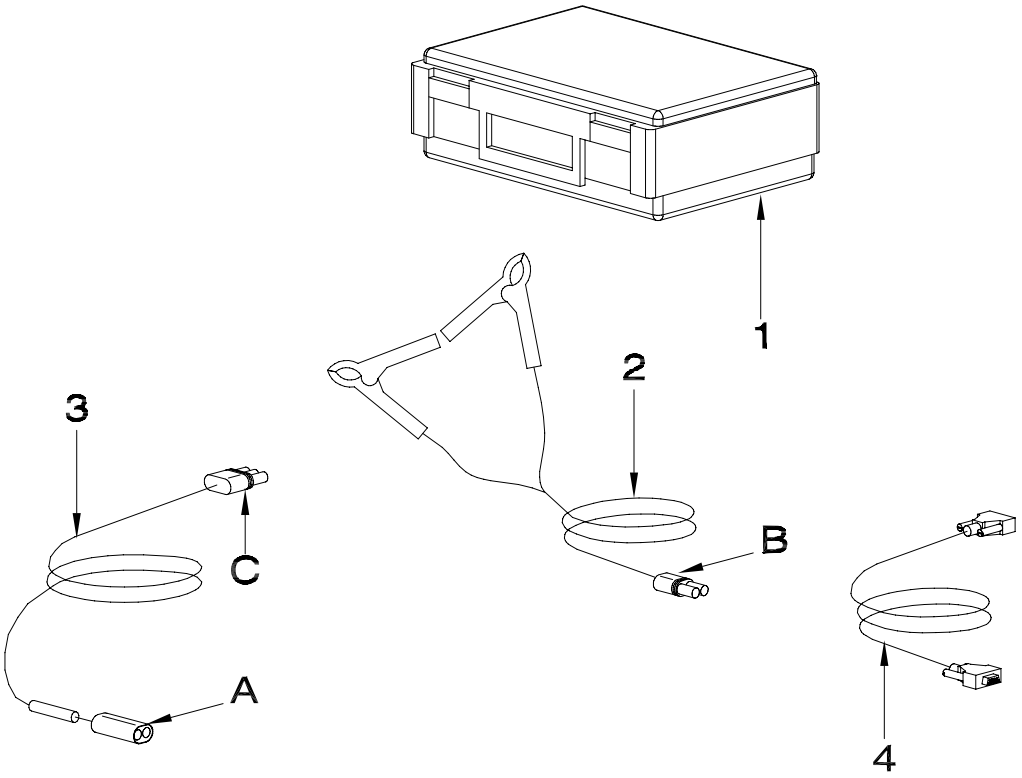
# Monitor
# Optical Blockage System

Can only be used with Version 2 and 3 Monitors.




| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N34989 | Optical Module - Blockage | As req |
| 2 | N37012 | Module Cable (Qty per Blockage Module) | 1 |
| 3 | N44013 | Bracket - Mount (Qty per Blockage Module) | 1 |
| 4 | N31049 | Wire - Ground - Blockage Module (Qty per Blockage Module) | 1 |
| 5 | N16698 | Screw - 1/4 x 3/4 Self Tapping (Qty per Blockage Module) | 1 |
| 6 | W-1552 | Hex Bolt - 1/4 x 1 Lg (Qty per Blockage Module) | 4 |
| 7 | S-1198 | Flatwasher- 1/4 (Qty per Blockage Module) | 3 |
| 8 | D-5277 | Serrated Locknut - 1/4 (Qty per Blockage Module) | 4 |
| 9 | N15098 | U-Bolt - 3/8 x 4 x 5 (Qty per Blockage Module) | 1 |
| | N36148 | U-Bolt - 3/8 x 3 x 4 (Optional Qty per Blockage Module) | 1 |
| | D12714 | U-Bolt - 3/8 x 2 x 2 3/4 (Optional Qty per Blockage Module) | 1 |
| | N34024 | U-Bolt - 3/8 x 2 x 6 (Optional Qty per Blockage Module) | 1 |
| | N31209 | U-Bolt - 3/8 x 7 x 8 (Optional Qty per Blockage Module) | 1 |
| 10 | D-5489 | Flatwasher - 3/8 (Qty per Blockage Module) | 2 |
| 11 | W-523 | Lockwasher - 3/8 (Qty per Blockage Module) | 2 |
| 12 | W-514 | Hex Nut - 3/8 (Qty per Blockage Module) | 2 |
| 13 | N34795 | Wire - Blockage Module (Required for 1st Module ONLY) | 1 |
| 14 | N34791 | Y-Cable (Required for each additional Module ONLY) | 1 |
| 15 | N34792 | Extension Cable - 5 ft Lg | As req |
| | N34793 | Extension Cable - 10 ft Lg | As req |
| | N34794 | Extension Cable - 20 ft Lg | As req |
| | N34795 | Extension Cable - 30 ft Lg | As req |
| 16 | N37014 | Optical Sensor Extension Cable - 5 ft Lg | As req |
| | N37016 | Optical Sensor Extension Cable - 10 ft Lg | As req |
| | N37018 | Optical Sensor Extension Cable - 20 ft Lg | As req |
| | N37020 | Optical Sensor Extension Cable - 30 ft Lg | As req |
| 17 | N37013 | Optical Sensor | As req |
| 18 | N34841 | Rubber Tape - 30 ft roll (will do 8 sensors) | As req |
| 19 | N29334 | Weather Pak Seal Connector - 2 Pin | As req |
| 20 | N34715 | Nylon Tie Strap - 5.6 Lg (Qty per Pin Sensor) | 2 |
| | D-4951 | Nylon Tie Strap - 7.375 Lg | 18 |
| | S13336 | Nylon Tie Strap - 24 Lg | 20 |

# Monitor
# FTU - Field Test Unit



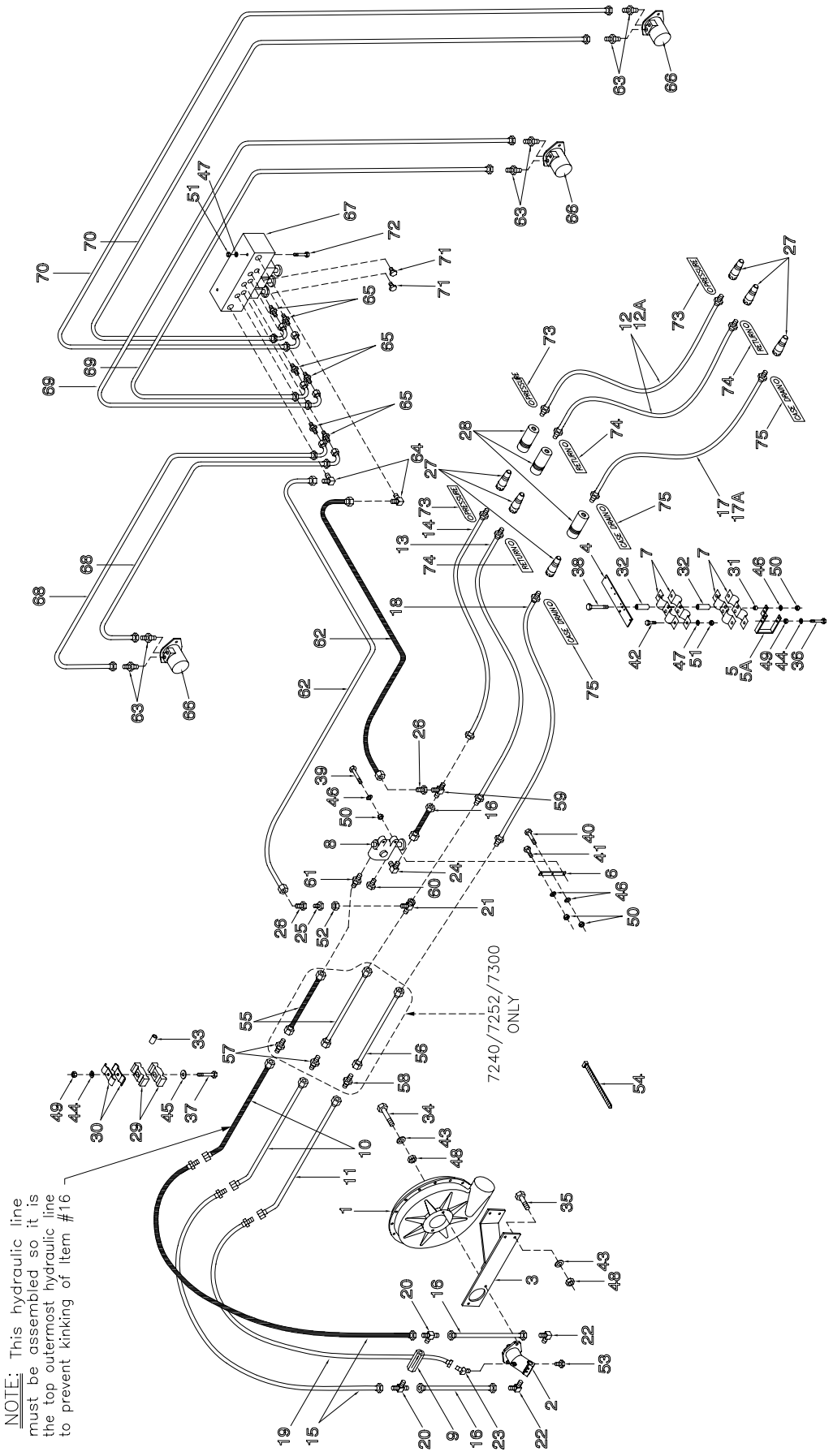

| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **FTU - Field Test Unit** | |
| 1 | N27119 | FTU - Field Test Unit | 1 |
| 2 | N32492 | Power Cable - FTU - 10 ft - Test Clip | 1 |
| 3 | N32491 | Power Cable - 3 ft - Main | 1 |
| 4 | N32494 | Adaptor Cable - FTU - for PC | 1 |
| 5 | N34177 | FTU - Operation Manual (Not Shown) | 1 |
| | | **Replacement Connectors** | |
| A | N29384 | Weather Pak Connector - BLACK - 2 Pin Plug (Shroud) | |
| B | N29385 | Weather Pak Connector - BLACK - 2 Pin Socket (Tower) | |
| C | N27614 | Weather Pak Connector - BLACK - 3 Pin Socket (Tower) | |

# Section 9:
# Variable Rate System

## Section Contents

Tow Behind Hydraulics w/o Auger ..... 9-2
Tow Behind Hydraulics w/Auger ..... 9-4
Tow Between Hydraulics w/o Auger ..... 9-6
Tow Between Hydraulics w/Auger ..... 9-8
Xpress Tow Between Hydraulics w/Auger ..... 9-10
Metering Drive 7180 / 7240 / 7300 ..... 9-12
Metering Drive 7252 ..... 9-14
Control System ..... 9-16
Valve Manifold ..... 9-18

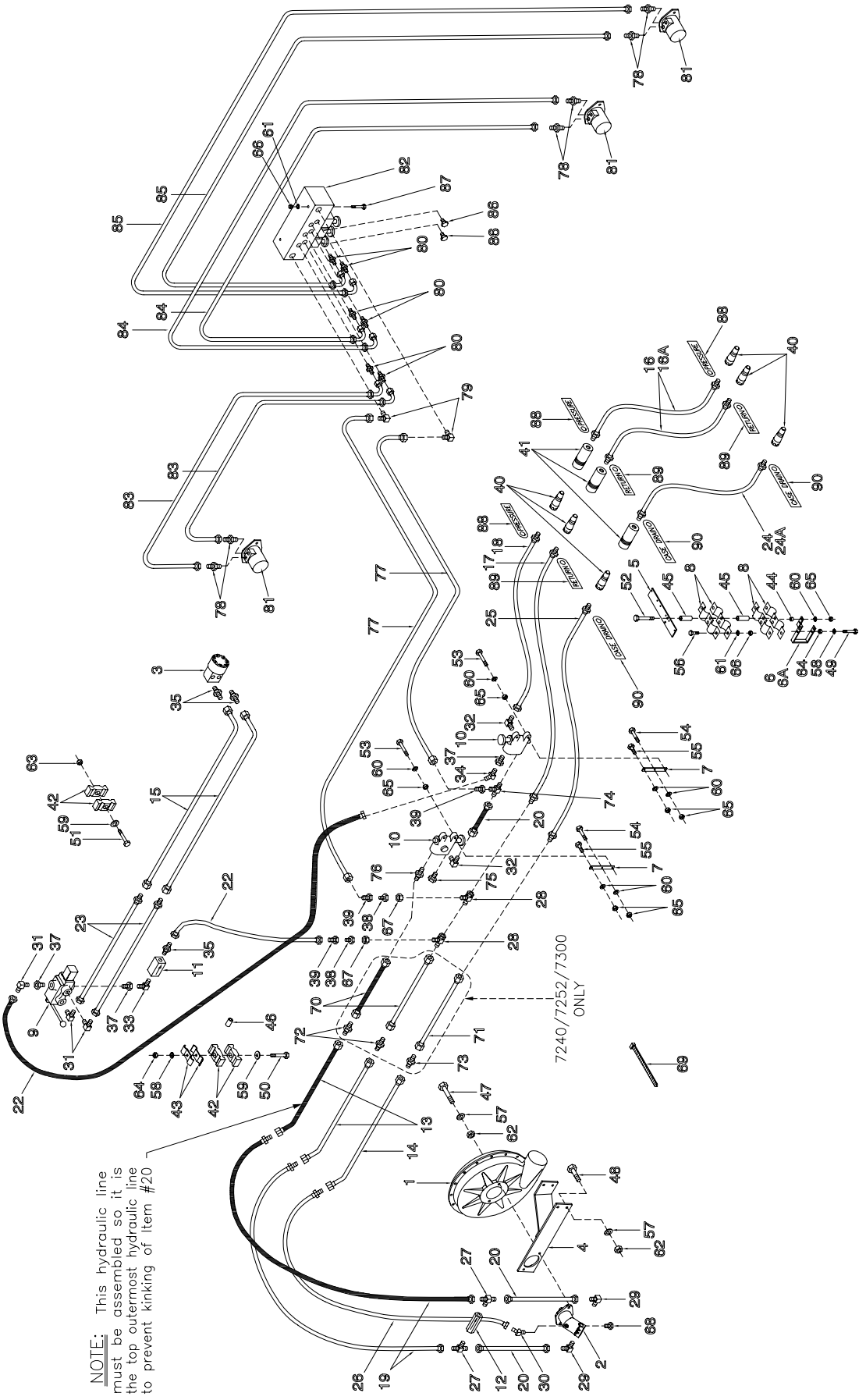
# Variable Rate System
# Tow Behind Hydraulics w/o Auger



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7300 .. (N25508 - Seal Kit) (N25507 Seal Only) | 1 |
| 3 | N19357 | Fan Mount Bracket | 1 |
| 4 | N21690 | Mount Bracket | 1 |
| 5 | N21691 | Mount Bracket - 4 | 1 |
| 5A | N27589 | Mount Bracket - 6 | 1 |
| 6 | N19713 | Strap | 1 |
| 7 | N16608 | Pioneer Coupler Clamp | 4 |
| 8 | N19340 | Selector Valve - 3/4 FNPT | 1 |
| | N31604 | O-Ring #210 (Not Shown) | 2 |
| | N31603 | Seal Kit for N19340 | 1 |
| | C26358 | Knob for N19340 | 1 |
| 9 | N16399 | Check Valve - 3 PSI - 1 1/16-12 ORB | 1 |
| 10 | N27601 | Oil Line - 1 x 108 Lg w/45 Bend | 2 |
| 11 | N27602 | Oil Line - 1/2 x 112 Lg w/45 Bend | 1 |
| 12 | N19442 | Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT | 2 |
| 12A | N19452 | Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT | 2 |
| 12B | N44955 | Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB (5-Frame Contour Air Drill) | 2 |
| 13 | N19344 | Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT . | 1 |
| 14 | N19343 | Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 MJIC x 1/2 MNPT . | 1 |
| 15 | N19434 | Hyd Hose - 3/4 x 35 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 16 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 3 |
| 17 | N19443 | Hyd Hose - 3/8 x 396 Lg w/1/2 MNPT | 1 |
| 17A | N19451 | Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT | 1 |
| 17B | N44956 | Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB (5-Frame Contour Air Drill) | 1 |
| 18 | N19346 | Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT | 1 |
| 19 | N19475 | Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 MJIC | 1 |
| 20 | N16388 | Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC | 2 |
| 21 | N19336 | Swivel Tee - (1) 1 5/16-12 FJIC x (2) 1 5/16-12 MJIC | 1 |
| 22 | N16359 | 90 Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC | 2 |
| 23 | N19578 | 45 Elbow - 9/16-18 ORB x 9/16-18 MJIC | 1 |
| 24 | N19341 | 90 Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 1 |
| 25 | N19338 | Reducer - 1 1/16-12 MJIC | 1 |
| 26 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 2 |
| 27 | C-817 | Male Pioneer Tip - 1/2 FNPT | 6 |
| 28 | C-818 | Pioneer Coupler - 1/2 FNPT | 3 |
| 29 | C-4698 | Nylon Oil Line Clamp | 4 |
| 30 | D-4808 | Oil Line Clamp | 4 |
| 31 | N13901 | Bushing - 5/8 OD x 3/8 ID x 3/8 Lg | 2 |
| 32 | N19458 | Spacer | 4 |
| 33 | N21632 | Oil Line Spacer | 2 |
| 34 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 35 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 3 |
| 36 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 1 |
| 37 | D-5249 | Hex Bolt - 3/8 x 3 1/4 Lg | 2 |
| 38 | S13337 | Hex Bolt - 5/16 x 6 Lg | 2 |
| 39 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 40 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 1 |
| 41 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 1 |
| 42 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 43 | W-525 | Lockwasher - 1/2 | 5 |
| 44 | W-523 | Lockwasher - 3/8 | 3 |
| 45 | W-538 | Flatwasher - 3/8 | 2 |
| 46 | W-522 | Lockwasher - 5/16 | 5 |
| 47 | W-521 | Lockwasher - 1/4 | 6 |
| 48 | W-516 | Hex Nut - 1/2 | 5 |
| 49 | W-514 | Hex Nut - 3/8 | 3 |
| 50 | W-513 | Hex Nut - 5/16 | 5 |
| 51 | W-512 | Hex Nut - 1/4 | 6 |
| 52 | N19432 | Nut - 1 5/16-12 JIC | 1 |
| 53 | N16621 | Plug - 9/16-18 ORB | 1 |
| 54 | D-4838 | Tie Strap | 15 |
| 55 | N28659 | Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY | 2 |
| 56 | N28658 | Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY | 1 |
| 57 | N16346 | Conector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY . | 2 |
| 58 | N25754 | Conector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY | 1 |
| 59 | N19549 | Tee - (3) 1 1/16-12 MJIC | 1 |
| 60 | N29357 | Plug - 3/4 MNPT | 1 |
| 61 | N29349 | Connector - 1 5/16-12 MJIC x 3/4 MNPT | 1 |
| 62 | C26259 | Hyd Hose - 1/2 x 108 LGg w/7/8-14 FJIC 7130 / 7180 ... | 2 |
| | N19345 | Hyd Hose - 1/2 x 132 LGg w/7/8-14 FJIC 7240 / 7300 .. | 2 |
| 63 | N29359 | Connector - 3/4-16 MJIC x 7/8-14 ORB | 6 |
| 64 | N29360 | 90 Elbow - 7/8-14 MJIC x 7/8-14 ORB | 2 |
| 65 | N29358 | Connector - 3/4-16 MJIC x 9/16-18 ORB | 6 |
| 66 | N29319 | Hydraulic Motor - DANFOSS | 3 |
| | N32517 | Seal Kit for DANFOSS motor | |
| | N42365 | Seal Kit for WHITE RS series motor | |
| 67 | N29320 | Valve Manifold Assembly (See Pg. 10-15) | 1 |
| 68 | N29362 | Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC 7130 / 7180 ... | 2 |
| | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7300 .... | 2 |
| 69 | N29361 | Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC | 2 |
| 70 | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7130 / 7180 ... | 2 |
| | N29364 | Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300 ... | 2 |
| | N31625 | Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252 | 2 |
| 71 | N29365 | Plug - 9/16-18 ORB | 2 |
| 72 | W-1847 | Hex Bolt - 1/4 x 5 Lg | 2 |
| 73 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 3 |
| 74 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 3 |
| 75 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN .... | 3 |
| | N19023 | Decal - “Hot” (Not Shown) | 1 |
| | N19031 | Decal - “Auger - Fan” (Not Shown) | 1 |
| | N29354 | Decal - “Calibration - Fan” (Not Shown) | 1 |

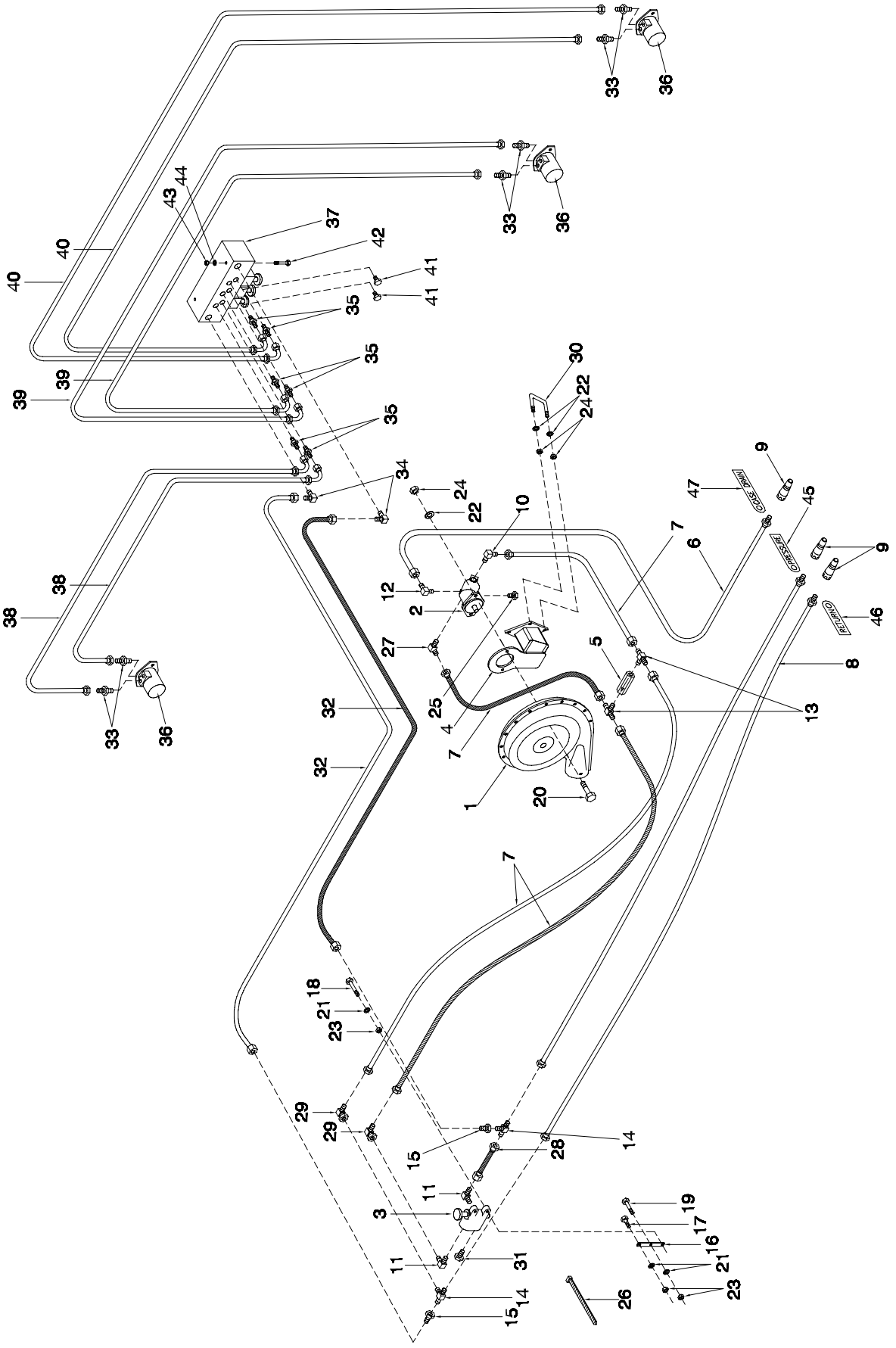
# Variable Rate System
# Tow Behind Hydraulics w/Auger



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg. 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300 (N25508 - Seal Kit) (N25507 Seal Only) | 1 |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N19357 | Fan Mount Bracket | 1 |
| 5 | N21690 | Mount Bracket | 1 |
| 6 | N21691 | Mount Bracket - 4 | 1 |
| 6A | N27589 | Mount Bracket - 6 | 1 |
| 7 | N19713 | Strap | 2 |
| 8 | N16608 | Pioneer Coupler Clamp | 4 |
| 9 | N15024 | Control Valve ) | 1 |
| | N31605 | Seal kit for N15204 | |
| | N24595 | Handle for N15204 | |
| 10 | N19340 | Selector Valve - 3/4 FNPT | 2 |
| | N31604 | O-Ring #210 (Not Shown) | |
| | N31603 | Seal Kit for N19340 | |
| | C26358 | Knob for N19340 | |
| 11 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 12 | N16399 | Check Valve - 3 PSI - 1 1/16-12 ORB | 1 |
| 13 | N27601 | Oil Line - 1 x 108 Lg w/45 Bend | 2 |
| 14 | N27602 | Oil Line - 1/2 x 112 Lg w/45 Bend | 1 |
| 15 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 16 | N19442 | Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT | 2 |
| 16A | N19452 | Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT | 2 |
| 16B | N44955 | Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB (5-Frame Contour Air Drill) | 2 |
| 17 | N19344 | Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT | 1 |
| 18 | N19343 | Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 MJIC x 1/2 MNPT | 1 |
| 19 | N19434 | Hyd Hose - 3/4 x 35 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 20 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 3 |
| 22 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC Used on 7130 / 7180 / 7252 | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC Used on 7240 / 7300 | 2 |
| 23 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 2 |
| 24 | N19443 | Hyd Hose - 3/8 x 396 Lg w/1/2 MNPT | 1 |
| 24A | N19451 | Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT | 1 |
| 24B | N44956 | Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB (5-Frame Contour Air Drill) | 1 |
| 25 | N19346 | Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT | 1 |
| 26 | N19475 | Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 MJIC | 1 |
| 27 | N16388 | Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC | 2 |
| 28 | N19336 | Swivel Tee - (1) 1 5/16-12 FJIC x (2) 1 5/16-12 MJIC | 2 |
| 29 | N16359 | 90 Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC | 2 |
| 30 | N19578 | 45 Elbow - 9/16-18 ORB x 9/16-18 MJIC | 1 |
| 31 | C-4400 | 90 Elbow - 1/2 MNPT x 7/8-14 MJIC | 3 |
| 32 | N19341 | 90 Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 33 | N15033 | 90 Elbow - 1/2 MNPT | 1 |
| 34 | C-4402 | 45 Elbow - 1/2 MNPT x 7/8-14 MJIC | 1 |
| 35 | C-4399 | Adapter - 1/2 MNPT x 7/8-14 MJIC | 3 |
| 37 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 3 |
| 38 | N19338 | Reducer - 1 1/16-12 MJIC | 2 |
| 39 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 3 |
| 40 | C-817 | Male Pioneer Tip - 1/2 FNPT | 6 |
| 41 | C-818 | Pioneer Coupler - 1/2 FNPT | 3 |
| 42 | C-4698 | Nylon Oil Line Clamp | 8 |
| 43 | D-4808 | Oil Line Clamp | 4 |
| 44 | N13901 | Bushing - 5/8 OD x 3/8 ID x 3/8 Lg | 2 |
| 45 | N19458 | Spacer | 4 |
| 46 | N21632 | Oil Line Spacer | 2 |
| 47 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 48 | S-776 | Hex Bolt - 1/2 x 1 1/2 Lg | 3 |
| 49 | C-3918 | Hex Bolt - 3/8 x 5 Lg | 1 |
| 50 | D-5249 | Hex Bolt - 3/8 x 3 1/4 Lg | 2 |
| 51 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 52 | S13337 | Hex Bolt - 5/16 x 6 Lg | 2 |
| 53 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 2 |
| 54 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 2 |
| 55 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 2 |
| 56 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 4 |
| 57 | W-525 | Lockwasher - 1/2 | 5 |
| 58 | W-523 | Lockwasher - 3/8 | 3 |
| 59 | W-538 | Flatwasher - 3/8 | 4 |
| 60 | W-522 | Lockwasher - 5/16 | 8 |
| 61 | W-521 | Lockwasher - 1/4 | 6 |
| 62 | W-516 | Hex Nut - 1/2 | 3 |
| 63 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 64 | W-514 | Hex Nut - 3/8 | 3 |
| 65 | W-513 | Hex Nut - 5/16 | 8 |
| 66 | W-512 | Hex Nut - 1/4 | 6 |
| 67 | N19432 | Nut - 1 5/16-12 JIC | 2 |
| 68 | N16621 | Plug - 9/16-18 ORB | 1 |
| 69 | D-4838 | Tie Strap | 15 |
| 70 | N28659 | Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY | 2 |
| 71 | N28658 | Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY | 1 |
| 72 | N16346 | Conector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY | 2 |
| 73 | N25754 | Conector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY | 1 |
| 74 | N29366 | Tee - (2) 1 1/16-12 MJIC x (1) 3/4 MNPT | 1 |
| 75 | N29357 | Plug - 3/4 MNPT | 1 |
| 76 | N29349 | Connector - 1 5/16-12 MJIC x 3/4 MNPT | 1 |
| 77 | C26259 | Hyd Hose - 1/2 x 108 LGg w/7/8-14 FJIC 7130 / 7180 | 2 |
| | N19345 | Hyd Hose - 1/2 x 132 LGg w/7/8-14 FJIC 7240 / 7252 / 7300 | 2 |
| 78 | N29359 | Connector - 3/4-16 MJIC x 7/8-14 ORB | 6 |
| 79 | N29360 | 90 Elbow - 7/8-14 MJIC x 7/8-14 ORB | 2 |
| 80 | N29358 | Connector - 3/4-16 MJIC x 9/16-18 ORB | 6 |
| 81 | N29319 | Hydraulic Motor - DANFOSS | 3 |
| | N32517 | Seal Kit for DANFOSS motor | |
| | N42365 | Seal Kit for WHITE RS series motor | |
| 82 | N29320 | Valve Manifold Assembly (See pg.10-15 for Details) | 1 |
| 83 | N29362 | Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC 7130 / 7180 | 2 |
| | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7252 / 7300 . | 2 |
| 84 | N29361 | Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC | 2 |
| 85 | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7130 / 7180 | 2 |
| | N29364 | Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300 | 2 |
| | N31625 | Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252 | 2 |
| 86 | N29365 | Plug - 9/16-18 ORB | 2 |
| 87 | W-1847 | Hex Bolt - 1/4 x 5 Lg | 2 |
| 88 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 3 |
| 89 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 3 |
| 90 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 3 |
| 91 | N31606 | Seal #555-001 (Not Shown) | 2 |
| | N19023 | Decal - “Hot” (Not Shown) | 1 |
| | N19031 | Decal - “Auger - Fan” (Not Shown) | 1 |
| | N29354 | Decal - “Calibration - Fan” (Not Shown) | 1 |

# Variable Rate System
# Tow Between Hydraulics w/o Auger

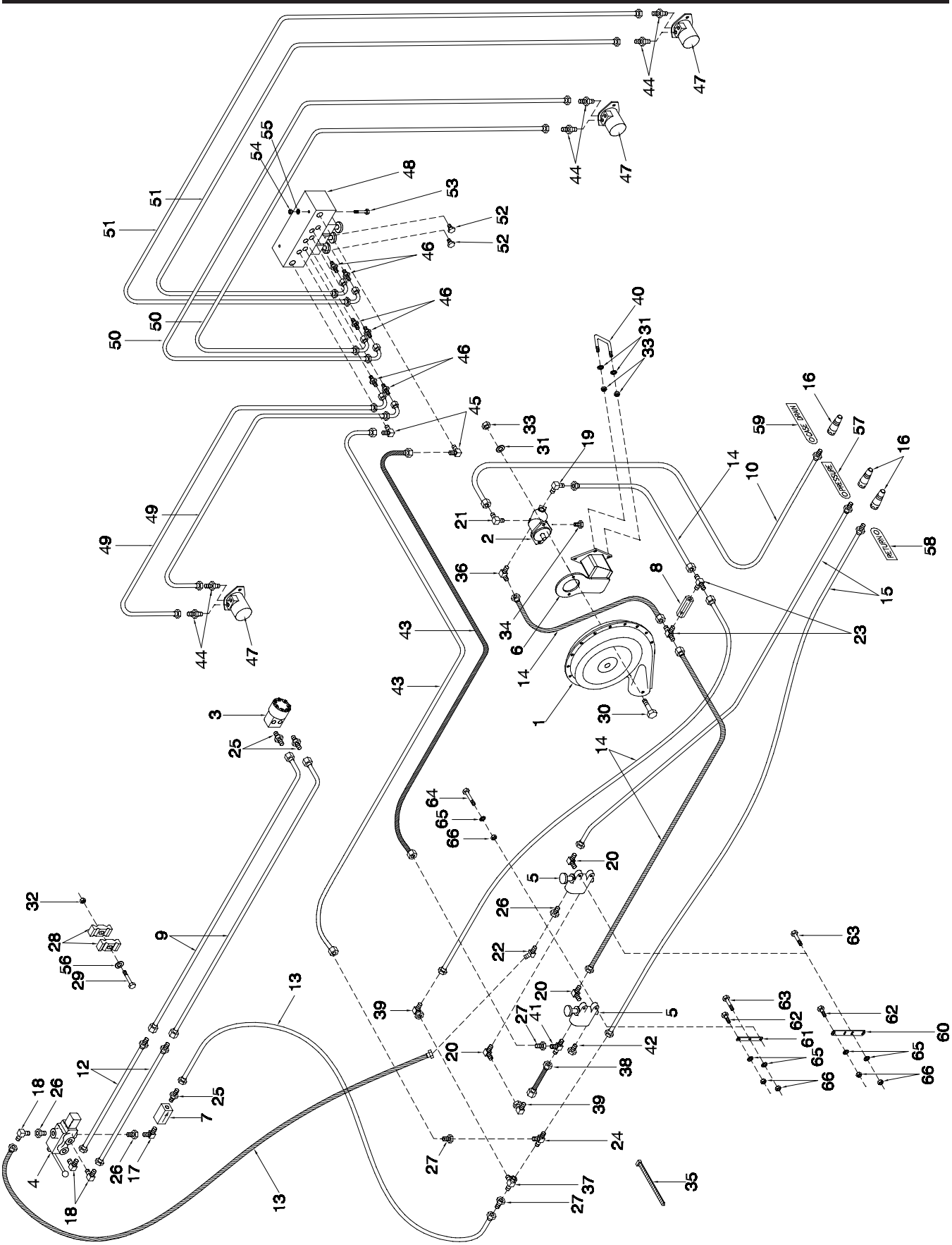


## Variable Rate System - Tow Between Hydraulics w/o Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300 | 1 |
| | | (N25508 - Seal Kit) (N25507 Seal Only) | |
| 3 | N19340 | Selector Valve - 3/4 FNPT | 1 |
| | N31604 | O-Ring #210 (Not Shown) | |
| | N31603 | Seal Kit for N19340 | |
| | C26358 | Knob for N19349 | |
| 4 | N31032 | Fan Mount Bracket 7180 | 1 |
| | N31033 | Fan Mount Bracket 7240 / 7300 | 1 |
| | N31342 | Fan Mount Bracket 7252 | 1 |
| 5 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 6 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 7 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 4 |
| 8 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 9 | C-817 | Male Pioneer Tip - 1/2 FNPT | 3 |
| 10 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 11 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 12 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | 1 |
| 13 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 14 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 2 |
| 15 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 2 |
| 16 | N19713 | Strap | 1 |
| 17 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 1 |
| 18 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 1 |
| 19 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 20 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 21 | W-522 | Lockwasher - 5/16 | 3 |
| 22 | W-525 | Lockwasher - 1/2 | 6 |
| 23 | W-513 | Hex Nut - 5/16 | 6 |
| 24 | W-516 | Hex Nut - 1/2 | 6 |
| 25 | N16621 | Plug - 9/16-18 ORB | 1 |
| 26 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 10 |
| 27 | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 28 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 1 |
| 29 | N21189 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 30 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 7180 | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/8 7240 / 7252 / 7300 | 2 |
| 31 | N29357 | Male Plug - 3/4 MNPT | 1 |
| 32 | N19345 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC 7180 | 2 |
| | C26343 | Hyd Hose - 1/2 x 162 Lg w/7/8-14 FJIC 7240 / 7252 / 7300 | 2 |
| 33 | N29359 | Connector - 3/4-16 MJIC x 7/8-14 ORB | 6 |
| 34 | C15318 | 90 Male Elbow - 7/8-14 MJIC x 7/8-14 ORB | 2 |
| 35 | N29358 | Connector - 3/4-16 MJIC x 9/16-18 ORB | 6 |
| 36 | N29319 | Hydraulic Motor - DANFOSS | 3 |
| | N32517 | Seal Kit for DANFOSS motor | |
| | N42365 | Seal Kit for WHITE RS series motor | |
| 37 | N29320 | Valve Manifold Assembly (See pg. 10-15 for Details) | 1 |
| 38 | N29362 | Hyd Hose - 3/8 x 48 Lg w/ 3/4-16 FJIC 7180 | 2 |
| | N29363 | Hyd Hose - 3/8 x 60 Lg w/ 3/4-16 FJIC 7240 / 7252 / 7300 | 2 |
| 39 | N29361 | Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC | 2 |
| 40 | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7180 | 2 |
| | N29364 | Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300 | 2 |
| | N31625 | Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252 | 2 |
| 41 | N29365 | Male Plug - 9/16-18 ORB | 2 |
| 42 | W-1847 | Hex Bolt - 1/4 x 5 Lg | 2 |
| 43 | W-512 | Hex Nut - 1/4 | 2 |
| 44 | W-521 | Lockwasher - 1/2 | 2 |
| 45 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 46 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 47 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 1 |
| | N19023 | Decal - “Hot” (Not Shown) | 1 |
| | N19031 | Decal - “Auger - Fan” (Not Shown) | 1 |
| | N29354 | Decal - “Calibration - Fan” (Not Shown) | 1 |

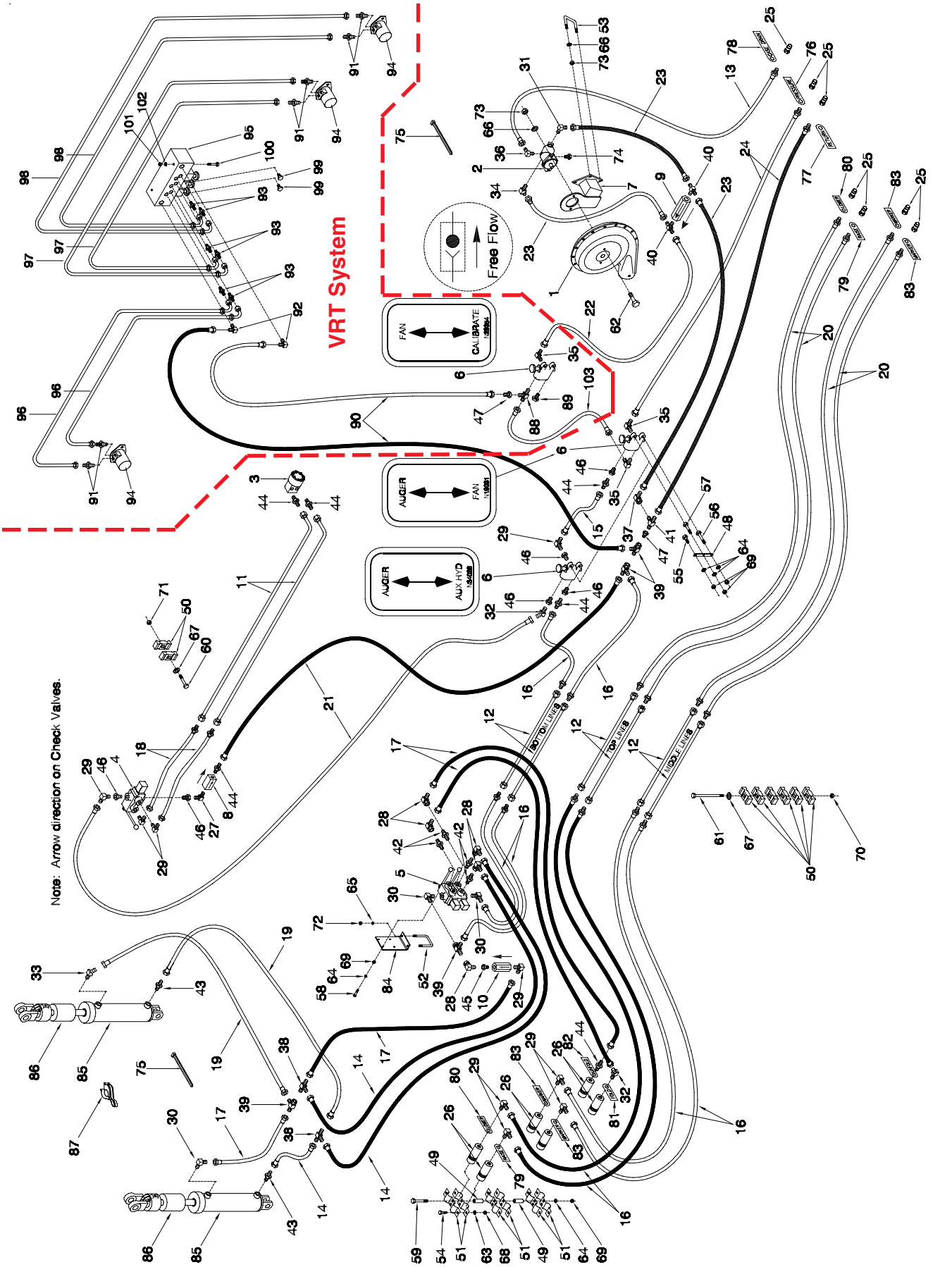
Return to Main Index

# Variable Rate System
# Tow Between Hydraulics w/Auger



| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 72) | 1 |
| 2 | N16265 | Hydraulic Motor - Rexroth - 10cc 7130 | 1 |
| | N29372 | Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 73001 | |
| | N25508 | Seal Kit for Rexroth Motors | |
| | N25507 | Seal Only for Rexroth Motors | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N15024 | Control Valve | 1 |
| | N31606 | Seal #555-001 (Not Shown) | 2 |
| | N31605 | Seal Kit for N15204 | 1 |
| | N24595 | Handle for N15204 | 1 |
| 5 | N19340 | Selector Valve - 3/4 FNPT | 2 |
| | N31604 | O-Ring #210 (Not Shown) | 2 |
| | N31603 | Seal Kit for N19340 | |
| | C26358 | Knob for N19340 | |
| 6 | N31032 | Fan Mount Bracket 7180 | 1 |
| | N31033 | Fan Mount Bracket 7240 / 7300 | 1 |
| | N31342 | Fan Mount Bracket 7252 | 1 |
| 7 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 8 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 9 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 10 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 12 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 2 |
| 13 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC 7180 | 2 |
| | C26343 | Hyd Hose - 1/2 x 162 Lg w/7/8-14 MJIC x 7/8-14 FJIC 7252 | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJICx7/8-14 FJIC Used on 7240 / 7300 | 2 |
| 14 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 4 |
| 15 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 16 | C-817 | Male Pioneer Tip - 1/2 FNPT | 3 |
| 17 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 18 | C-4400 | 90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 3 |
| 19 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 20 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 3 |
| 21 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | 1 |
| 22 | C-4402 | 45 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 1 |
| 23 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 24 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 1 |
| 25 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 3 |
| 26 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 3 |
| 27 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 3 |
| 28 | C-4698 | Nylon Oil Line Clamp | 4 |
| 29 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 30 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 31 | W-525 | Lockwasher - 1/2 | 6 |
| 32 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 33 | W-516 | Hex Nut - 1/2 | 6 |
| 34 | N16621 | Plug - 9/16-18 ORB | 1 |
| 35 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 4 |
| 36 | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 37 | N29356 | Tee - (2) 1 1/16-12 MJIC x (1) 1 1/16-12 FJIC | 1 |
| 38 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 1 |
| 39 | N21189 | Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | 2 |
| 40 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 7180 | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/8 7240 / 7252 / 7300 | 2 |
| 41 | N29366 | Tee - (2) 1 1/16-12 MJIC x (1) 3/4 MNPT | 1 |
| 42 | N29357 | Male Plug - 3/4 MNPT | 1 |
| 43 | N19345 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC 7180 | 2 |
| | C26343 | Hyd Hose - 1/2 x 162 Lg w/7/8-14 FJIC 7240 / 7252 / 7300 | 2 |
| 44 | N29359 | Connector - 7/8-14 MJIC x 3/4-16 MJIC | 6 |
| 45 | C15318 | 90 Male Elbow - 7/8-14 MJIC x 7/8-14 ORB | 2 |
| 46 | N29358 | Connector - 3/4-16 MJIC x 9/16-18 ORB | 6 |
| 47 | N29319 | Hydraulic Motor - DANFOSS | 3 |
| | N32517 | Seal Kit for DANFOSS motor | |
| | N42365 | Seal Kit for WHITE RS series motor | |
| 48 | N29320 | Valve Manifold Assembly (See pg. 10-15) | 1 |
| 49 | N29362 | Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC 7180 | 2 |
| | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7252 / 7300 | 2 |
| 50 | N29361 | Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC | 2 |
| 51 | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7180 | 2 |
| | N29364 | Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300 | 2 |
| | N31625 | Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252 | 2 |
| 52 | N29365 | Male Plug - 9/16-18 ORB | 2 |
| 53 | W-1847 | Hex Bolt - 1/4 x 5 Lg | 2 |
| 54 | W-512 | Hex Nut - 1/4 | 2 |
| 55 | W-521 | Lockwasher - 1/4 | 2 |
| 56 | W-538 | Flatwasher - 3/8 | 2 |
| 57 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 58 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 59 | N29964 | Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN | 1 |
| 60 | N29393 | Strap | 1 |
| 61 | N19713 | Strap | 1 |
| 62 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 3 |
| 63 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 3 |
| 64 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 1 |
| 65 | W-522 | Lockwasher - 5/16 | 7 |
| 66 | W-513 | Hex Nut - 5/16 | 7 |
| | N19023 | Decal - “Hot” (Not Shown) | 1 |
| | N19031 | Decal - “Auger - Fan” (Not Shown) | 1 |
| | N29354 | Decal - “Calibration - Fan” (Not Shown) | 1 |

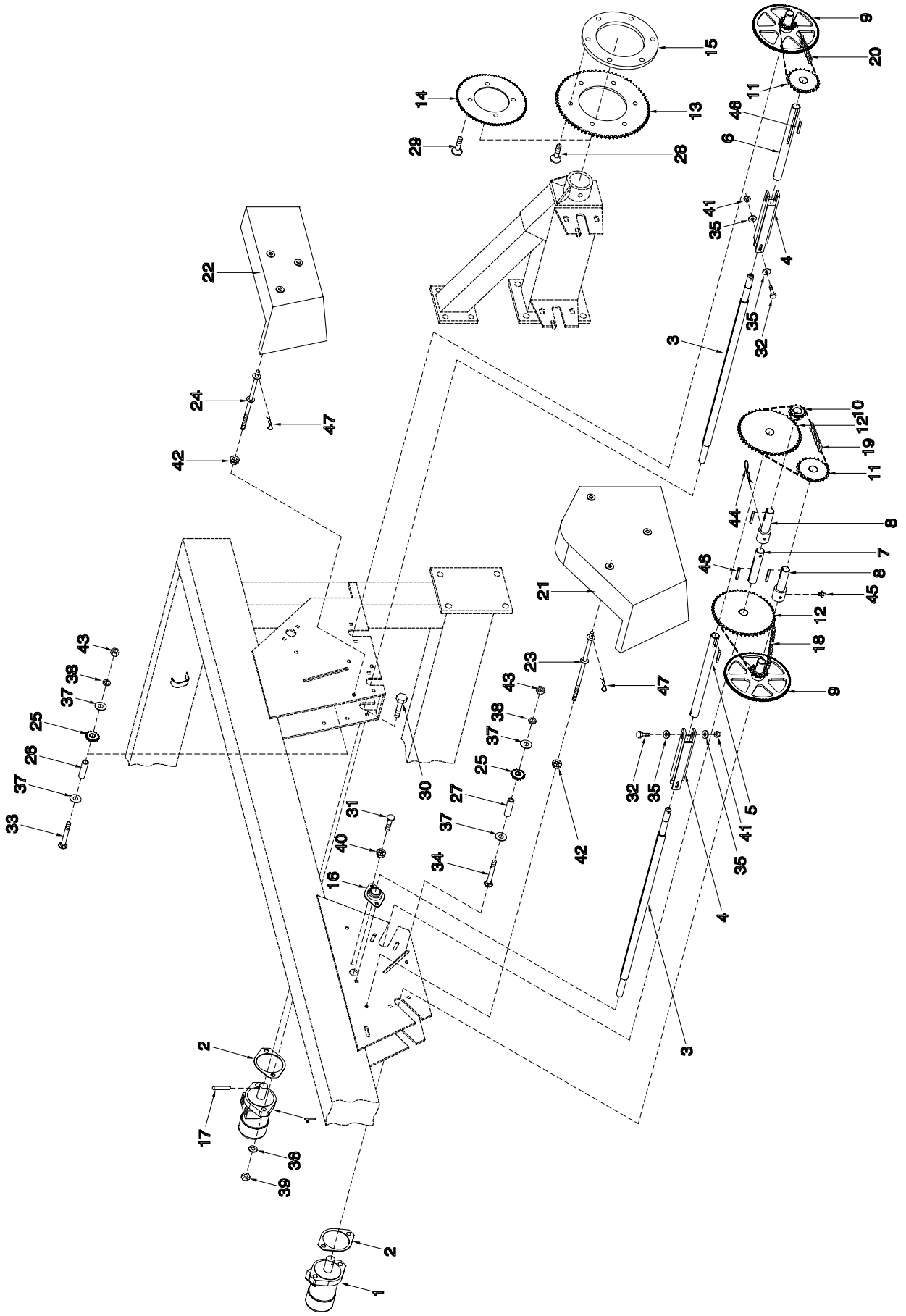
# Variable Rate System
# Xpress Tow Between Hydraulics w/Auger



Return to Main Index

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N16263 | Fan (See pg 7-2) | 1 |
| 2 | N29372 | Hydraulic Motor - Rexroth - 12cc | 1 |
| | N25508 | Seal Kit for Rexroth Motors - 12cc | |
| | N25507 | Seal Only for Rexroth Motors 12cc | |
| 3 | N15982 | Orbit Motor | 1 |
| | N16731 | Seal Kit for N15982 | |
| | N25319 | Shaft for N15982 | |
| 4 | N15024 | Control Valve | 1 |
| | N31605 | Seal Kit for N15024 | |
| | N24595 | Handle for N15024 | |
| 5 | N34048 | Control Valve - Dbl Spool | 1 |
| | N34087 | Seal Kit for N34048 | |
| | N34051 | Handle for N34048 | |
| 6 | N19340 | Selector Valve - 3/4 FNPT | 2 |
| | N31603 | Seal Kit for N19340 | |
| | C36358 | Knob for N19340 | |
| 7 | N31032 | Fan Mount Bracket 7180 | 1 |
| | N31033 | Fan Mount Bracket 7240 | 1 |
| 8 | N15023 | Check Valve - 1/2 FNPT | 1 |
| 9 | N16399 | Check Valve - 0 PSI - 1 1/16-12 ORB | 1 |
| 10 | H-5545 | Check Valve - 1/2 FNPT | 1 |
| 11 | F-4560 | Oil Line - 5/8 x 99 Lg w/90 Bend | 2 |
| 12 | C-4367 | Oil Line - 5/8 x 80 Lg (7180) | 6 |
| | C-4369 | Oil Line - 5/8 x 96 Lg (7240) | 6 |
| 13 | N16181 | Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT | 1 |
| 14 | N34366 | Hyd Hose - 1/2 x 12 Lg w/7/8-14 FJIC | 3 |
| 15 | C-4383 | Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC | 1 |
| 16 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 8 |
| 17 | C-4468 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 4 |
| 18 | C-4387 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7180) | 2 |
| | C-4389 | Hyd Hose - 1/2 x 60 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240) | 2 |
| 19 | C18779 | Hyd Hose - 1/2 x 72 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 2 |
| 20 | N19548 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT | 4 |
| 21 | N19365 | Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7180) | 2 |
| | N21721 | Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC (7240) | 2 |
| 22 | N15991 | Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC | 1 |
| 23 | N25644 | Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC | 3 |
| 24 | N16454 | Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT | 2 |
| 25 | C-817 | Male Pioneer Tip - 1/2 FNPT | 7 |
| 26 | C-818 | Pioneer Coupler - 1/2 FNPT | 6 |
| 27 | N15033 | 90 Male Elbow - 1/2 MNPT | 1 |
| 28 | K-5806 | 90 Elbow - 7/8-14 FJIC x 7/8-14 MJIC | 5 |
| 29 | C-4400 | 90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT | 9 |
| 30 | C24585 | 90 Male Elbow - 7/8-14 MJIC x 3/4-16 ORB | 3 |
| 31 | N16359 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 32 | C-4402 | 45 Male Elbow - 1/2 MNPT x 7/8-14 MJIC | 2 |
| 33 | C26333 | 45 Male Elbow - 3/4-16 MORB x 7/8-14 MJIC | 1 |
| 34 | N31096 | 45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB | 1 |
| 35 | N19341 | 90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT | 2 |
| 36 | N16143 | 90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB | 1 |
| 37 | N21189 | 90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC | 1 |
| 38 | C-4394 | Male Tee - (3) 7/8-14 MJIC | 2 |
| 39 | H18746 | Swivel Tee - (2) 7/8-14 MJIC x 7/8-14 FJIC | 3 |
| 40 | N16388 | Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB | 2 |
| 41 | N19549 | Male Tee - (3) 1 1/16-12 JIC | 1 |
| 42 | N34047 | Connector - 7/8-14 MJIC x 9/16-18 MORB | 4 |
| 43 | C14840 | Connector - 7/8-14 MJIC x 3/4-16 MORB | 2 |
| 44 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 5 |
| 45 | N40509 | Connector - 7/8-14 FJIC x 1/2 MNPT | 1 |
| 46 | N15032 | Reducer - 3/4 MNPT x 1/2 FNPT | 6 |
| 47 | N19337 | Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC | 1 |
| 48 | N19713 | Strap | 2 |
| 49 | N19458 | Spacer - 2 | 4 |

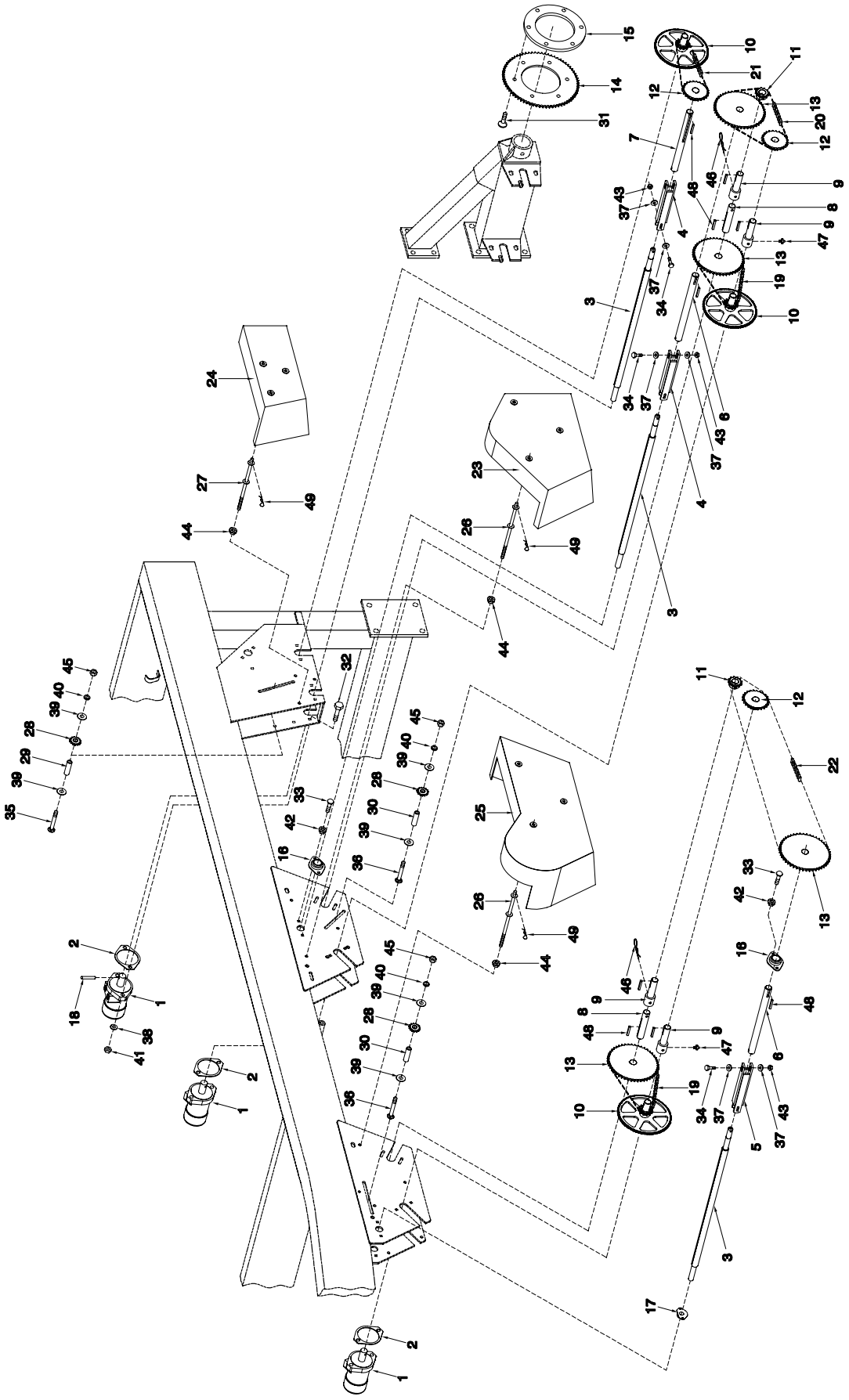
| Item | Part No. | Description | Qty |
|---|---|---|---|
| 50 | C-4698 | Nylon Oil Line Clamp | 16 |
| 51 | N16608 | Coupler Clamp - Female Pioneer | 6 |
| 52 | N15098 | U-Bolt - 3/8 x 4 x 5 | 1 |
| 53 | H21351 | U-Bolt - 1/2 x 6 1/16 x 5 1/16 (7180) | 2 |
| | N31034 | U-Bolt - 1/2 x 8 1/16 x 5 1/16 (7240) | 2 |
| 54 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 6 |
| 55 | F-1767 | Hex Bolt - 5/16 x 3/4 Lg | 2 |
| 56 | C-3035 | Hex Bolt - 5/16 x 1 3/4 Lg | 2 |
| 57 | S-1303 | Hex Bolt - 5/16 x 2 Lg | 2 |
| 58 | S-1302 | Hex Bolt - 5/16 x 2 1/2 Lg | 3 |
| 59 | N31314 | Hex Bolt - 5/16 x 5 1/2 Lg | 2 |
| 60 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 61 | C-3664 | Hex Bolt - 3/8 x 5 Lg | 2 |
| 62 | S-1189 | Hex Bolt - 1/2 x 1 3/4 Lg | 2 |
| 63 | W-521 | Lockwasher - 1/4 | 8 |
| 64 | W-522 | Lockwasher - 5/16 | 13 |
| 65 | W-523 | Lockwasher - 3/8 | 2 |
| 66 | W-525 | Lockwasher - 1/2 | 6 |
| 67 | W-538 | Flatwasher - 3/8 | 4 |
| 68 | W-512 | Hex Nut - 1/4 | 8 |
| 69 | W-513 | Hex Nut - 5/16 | 13 |
| 70 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 71 | D-5279 | Serrated Locknut - 3/8 | 2 |
| 72 | W-514 | Hex Nut - 3/8 | 2 |
| 73 | W-516 | Hex Nut - 1/2 | 6 |
| 74 | N16621 | Plug - 9/16-18 UNF ORB | 1 |
| 75 | D-4838 | Nylon Tie Strap (black) - 14 1/2 Lg | 12 |
| 76 | N29962 | Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE | 1 |
| 77 | N29963 | Tag - Hose ID - Air Tank - Fan/Auger - RETURN | 1 |
| 78 | N29964 | Tag - Hose ID -Air Tank- Fan/Auger - CASE DRAIN | 1 |
| 79 | S29958 | Tag - Hose ID - Depth Control - RAISE | 2 |
| 80 | S29959 | Tag - Hose ID - Depth Control - LOWER | 2 |
| 81 | S29960 | Tag - Hose ID - Wing Lift - FOLD | 1 |
| 82 | S29961 | Tag - Hose ID - Wing Lift - UNFOLD | 1 |
| 83 | N34364 | Tag - Hose ID - Wheel Marker | 4 |
| 84 | N34052 | Mounting Plate - Control Valve | 1 |
| 85 | C26300 | Cylinder - 4 x 12 Lg | 2 |
| 86 | N32069 | Spacer - Stroke Control 1.375 ID (Aluminum) | 2 |
| 87 | S25999 | Spacer - Cylinder Stroke (Aluminum) Not included with cylin | 2 |
| 88 | N29366 | Tee - (2) 1 1/16-12 MJIC x (1) 3/4 MNPT | 1 |
| 89 | N29357 | Male Plug - 3/4 MNPT | 1 |
| 90 | N19345 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC (7180) | 2 |
| | C26343 | Hyd Hose - 1/2 x 162 Lg w/7/8-14 FJIC (7240) | 2 |
| 91 | N29359 | Connector - 7/8-14 MJIC x 3/4-16 MJIC | 6 |
| 92 | C15318 | 90 Male Elbow - 7/8-14 MJIC x 7/8-14 ORB | 2 |
| 93 | N29358 | Connector - 3/4-16 MJIC x 9/16-18 ORB | 6 |
| 94 | N29319 | Hydraulic Motor - DANFOSS | 3 |
| | N32517 | Seal Kit for N29319 | |
| 95 | N29320 | Valve Manifold Assembly (See pg. 10-15) | 1 |
| 96 | N29362 | Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC (7180) | 2 |
| | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC (7240) | 2 |
| 97 | N29361 | Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC | 2 |
| 98 | N29363 | Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC (7180) | 2 |
| | N29364 | Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC (7240) | 2 |
| 99 | N29365 | Male Plug - 9/16-18 ORB | 2 |
| 100 | W-1847 | Hex Bolt - 1/4 x 5 Lg | 2 |
| 101 | W-512 | Hex Nut - 1/4 | 2 |
| 102 | W-521 | Lockwasher - 1/4 | 2 |
| 103 | N37900 | Hyd Hose - 3/4 x 18 Lg w/1 1/16-12 FJIC | 1 |
| | N19031 | Decal - "Auger/Fan" (Not Shown) | 1 |
| | N29354 | Decal - "Calibration - Fan" (Not Shown) | 1 |
| | N34026 | Decal - "Auger/Aux Hyd" (Not Shown) | 1 |
| | N34288 | Decal - "Fold/Unfold" (Not Shown) | 1 |


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47

## Variable Rate System - Metering Drive 7180 / 7240 / 7300

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N29319 | Hydraulic Motor - DANFOSS | 2 |
| | N32517 | Seal Kit for DANFOSS motor | |
| | N42365 | Seal Kit for WHITE RS series motor | |
| 2 | N29371 | Shim - 12 Ga - Danfoss Motor | 2 |
| 3 | N19687 | Meter Shaft - 8 Outlet | 2 |
| 4 | N21288 | Coupler - Metering | 2 |
| 5 | N29342 | Shaft - Meter End (V-Drive) - Seed | 1 |
| 6 | N29343 | Shaft - Meter End (V-Drive) - Fertilizer | 1 |
| 7 | N29341 | Shaft - Slow Speed (V-Drive) | 1 |
| 8 | N29340 | Shaft - Slow Speed (V-Drive) | 2 |
| 9 | N29345 | Shaft - Slow Speed - 12T (V-Drive) | 2 |
| 10 | D17946 | Sprocket - 40B12 w/1002 Bore | 1 |
| 11 | N29338 | Sprocket - 40B24 w/1002 Bore | 2 |
| 12 | D10747 | Sprocket - 40B48 w/1002 Bore | 2 |
| 13 | N29337 | Sprocket - 40A72 w/6 Dia Bore 7240 / 7300 | 1 |
| 14 | N29336 | Sprocket - 35A72 w/4 3/8 Dia Bore 7130 / 7180 | 1 |
| 15 | N24779 | Spacer Ring - Drive Sprocket 7240 / 7300 ONLY | 1 |
| 16 | N27411 | Flangette Bearing - 1001 Bore | 7 |
| 17 | N29375 | Drive Pin - 5/16 x 1 1/2 (Groove) | 2 |
| 18 | N29368 | Chain - #40 x 73 Link w/Connector & Offset Link | 1 |
| 19 | N29367 | Chain - #40 x 76 Link w/Connector | 1 |
| 20 | N29369 | Chain - #40 x 53 Link w/Connector & Offset Link | 1 |
| 21 | N29312 | Seed Transmission Chain Guard | 1 |
| 22 | N29313 | Fertilizer Transmision Chain Guard | 1 |
| 23 | N29317 | Chain Guard Pin - 9 7/16 Lg | 3 |
| 24 | N29397 | Chain Guard Pin - 7 7/16 Lg | 3 |
| 25 | D-5234 | Idler Sprocket | 2 |
| 26 | N19460 | Bushing - 2 1/2 Lg | 1 |
| 27 | N29399 | Bushing - 3 1/8 | 1 |
| 28 | N24780 | Countersunk Machine Screw - 1/2-20 UNF x 1 3/4 Lg 7240 / 7300 | 4 |
| 29 | N19230 | Countersunk Machine Screw - 1/2-20 UNF x 1 Lg 7130 / 7180 | 4 |
| 30 | W-488 | Hex Bolt - 1/2 x 2 Lg | 4 |
| 31 | D-5259 | Carriage Bolt - 5/16 x 3/4 | 14 |
| 32 | N22777 | Hex Bolt - 1/4 x 2 1/4 Lg - Gr8 | 4 |
| 33 | N19283 | Carriage Bolt - 3/8 x 3 1/2 | 1 |
| 34 | N29398 | Carriage Bolt - 3/8 x 4 | 1 |
| 35 | S-1198 | Flatwasher - 1/4 | 8 |
| 36 | W-525 | Lockwasher - 1/2 | 4 |
| 37 | N19706 | Flatwasher - 3/8 | 4 |
| 38 | W-523 | Lockwasher - 3/8 | 2 |
| 39 | W-516 | Hex Nut - 1/2 | 4 |
| 40 | D-5278 | Locknut - 5/16 - Serrated | 14 |
| 41 | N22778 | Locknut - 1/4 w/Nylon Insert | 4 |
| 42 | S27987 | Locknut - 3/8 - Flange | 6 |
| 43 | W-514 | Hex Nut - 3/8 | 2 |
| 44 | P1318510 | Hair Pin - #19 - 0.243 x 4 3/4 Lg | 1 |
| 45 | S-752 | Grease Zerk - 1/2-28 UNF Straight | 2 |
| 46 | S10730 | Key - 1/4 x 1 1/4 Square | 5 |
| 47 | N29318 | Hair Pin - 0.094 x 2 5/16 | 6 |
| 48 | N29355 | Decal - Warning (Not Shown) | 1 |
| 49 | N19449 | Seal Strip - 3/8 x 1 x 1 inch Long - 3 pieces/shield (bulk/ft) (Not Shown) | 6 |
| 50 | N32799 | Decal - DANGER “Guard Missing” (Not Shown) | 2 |

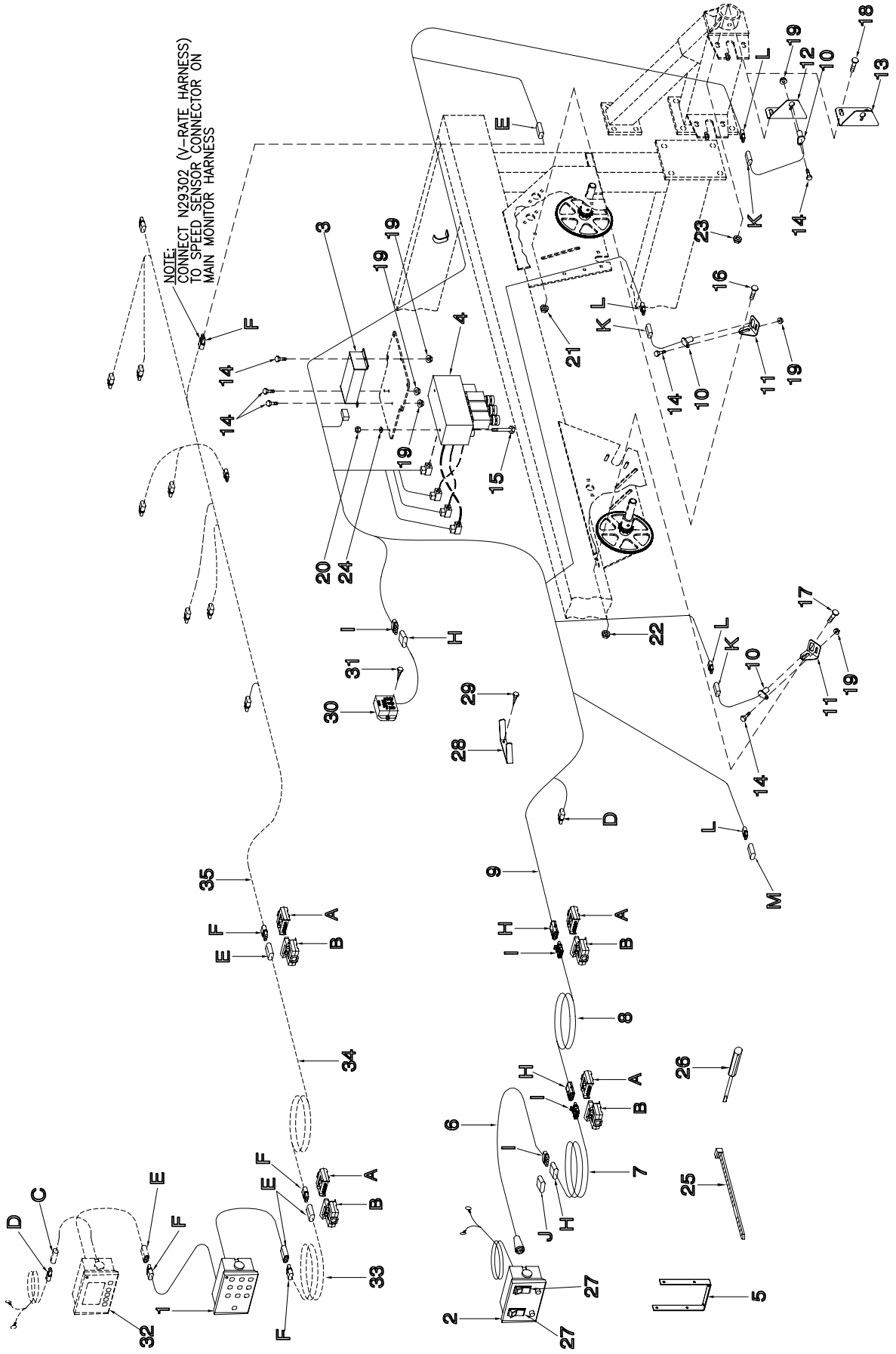
# Variable Rate System
# Metering Drive 7252



## Variable Rate System - Metering Drive 7252

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N29319 | Hydraulic Motor - DANFOSS | 3 |
| | N32517 | Seal Kit for N29319 | |
| 2 | N29371 | Shim - 12 Ga - Danfoss Motor | 3 |
| 3 | N19687 | Meter Shaft - 8 Outlet | 3 |
| 4 | N21288 | Coupler - Metering - 7 15/16 Lg | 2 |
| 5 | N19760 | Coupler - Metering - 5 15/16 Lg | 1 |
| 6 | N29342 | Shaft - Meter End (V-Drive) - Seed | 2 |
| 7 | N29343 | Shaft - Meter End (V-Drive) - Fertilizer | 1 |
| 8 | N29341 | Shaft - Slow Speed (V-Drive) | 2 |
| 9 | N29340 | Shaft - Slow Speed (V-Drive) | 4 |
| 10 | N29345 | Shaft - Slow Speed - 12T (V-Drive) | 3 |
| 11 | D17946 | Sprocket - 40B12 w/1002 Bore | 2 |
| 12 | N29338 | Sprocket - 40B24 w/1002 Bore | 3 |
| 13 | D10747 | Sprocket - 40B48 w/1002 Bore | 4 |
| 14 | N29337 | Sprocket - 40A72 w/6 Dia Bore | 1 |
| 15 | N24779 | Spacer Ring - Drive Sprocket | 1 |
| 16 | N27411 | Flangette Bearing - 1.001 Bore | 17 |
| 17 | N31743 | Flangette Bearing - 1 Bore - Nipped (SP) | 1 |
| 18 | N29375 | Drive Pin - 5/16 x 1 1/2 (Groove) | 3 |
| 19 | N29368 | Chain - #40 x 73 Link w/Connector & Offset Link | 2 |
| 20 | N29367 | Chain - #40 x 77 Link w/Connector | 1 |
| 21 | N29369 | Chain - #40 x 53 Link w/Connector & Offset Link | 1 |
| 22 | N31776 | Chain - #40 x 97 Link w/Connector & Offset Link | 1 |
| 23 | N29312 | Seed Transmission Chain Guard | 1 |
| 24 | N29313 | Fertilizer Transmission Chain Guard | 1 |
| 25 | N29315 | Front Transmission Chain Guard | 1 |
| 26 | N29317 | Chain Guard Pin - 9 7/16 Lg | 6 |
| 27 | N29397 | Chain Guard Pin - 7 7/16 Lg | 3 |
| 28 | D-5234 | Idler Sprocket | 3 |
| 29 | N19460 | Bushing - 2 1/2 Lg | 1 |
| 30 | N29399 | Bushing - 3 1/8 | 2 |
| 31 | N24780 | Countersunk Machine Screw - 1/2-20 UNF x 1 3/4 Lg | 4 |
| 32 | W-488 | Hex Bolt - 1/2 x 2 Lg | 6 |
| 33 | D-5259 | Carriage Bolt - 5/16 x 3/4 | 24 |
| 34 | N22777 | Hex Bolt - 1/4 x 2 1/4 Lg - GR8 | 6 |
| 35 | N19283 | Carriage Bolt - 3/8 x 3 1/2 | 1 |
| 36 | N29398 | Carriage Bolt - 3/8 x 4 | 2 |
| 37 | S-1198 | Flatwasher - 1/4 | 12 |
| 38 | W-525 | Lockwasher - 1/2 | 6 |
| 39 | N19706 | Flatwasher - 3/8 | 6 |
| 40 | W-523 | Lockwasher - 3/8 | 3 |
| 41 | W-516 | Hex Nut - 1/2 | 6 |
| 42 | D-5278 | Locknut - 5/16 - Serrated | 24 |
| 43 | N22778 | Locknut - 1/4 w/Nylon Insert | 6 |
| 44 | S27987 | Locknut - 3/8 - Flange | 9 |
| 45 | W-514 | Hex Nut - 3/8 | 3 |
| 46 | P1318510 | Hair Pin - #19 - 0.243 x 4 3/4 Lg | 2 |
| 47 | S-752 | Grease Zerk - 1/2-28 UNF Straight | 4 |
| 48 | S10730 | Key - 1/4 x 1 1/4 Square | 9 |
| 49 | N29318 | Hair Pin - 0.094 x 2 5/16 | 9 |
| 50 | N29355 | Decal - Warning (Not Shown) | 1 |
| 51 | N19449 | Seal Strip - 3/8 x 1 x 1 inch Long - 3 pieces/shield (bulk/ft) (Not Shown) | 9 |
| 52 | N32799 | Decal - DANGER “Guard Missing” (Not Shown) | 3 |

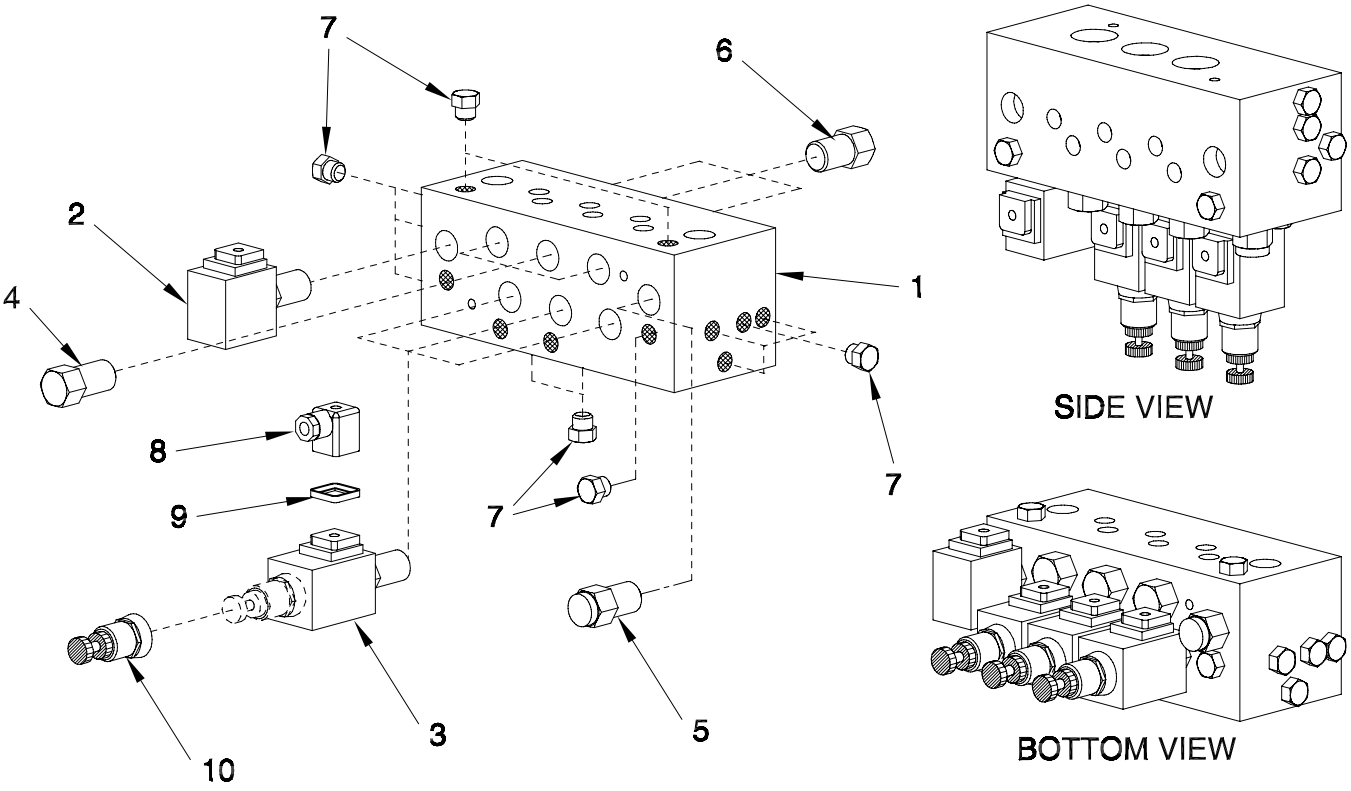
# Variable Rate System
# Control System



## Variable Rate System - Control System

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N29300 | Console - Master Switch (V/Rate) | 1 |
| 2 | N29305 | Controller Switch - (V/Rate) | 1 |
| 3 | N29301 | Controller Housing (V/Rate) | 1 |
| 4 | N29320 | Valve Manifold Assembly | 1 |
| 5 | N29370 | Bracket - Mount - Variable Console | 1 |
| 6 | N29306 | Wire - V/Rate Extension - Lead - 8 1/2 ft | 1 |
| 7 | N32464 | Wire - V/Rate Extension - Main - 21 ft - Weather Pak | 1 |
| | N29304 | Wire - V/Rate Extension - Main - 21 ft - Brylite | 1 |
| 8 | N32465 | Wire - V/Rate Extension - 37 1/2 ft Tow Behind ONLY - Weather Pak | 1 |
| | N29303 | Wire - V/Rate Extension - 37 1/2 ft Tow Behind ONLY - Brylite | 1 |
| 9 | N32478 | Harness - V-Rate Controller - Weather Pak | 1 |
| | N29332 | Harness - V-Rate Controller - Brylite | 1 |
| 10 | N29307 | Hall Effect Sensor | 2 |
| 11 | N29296 | Bracket - Sensor - Metershaft | 2 |
| 12 | N29309 | Bracket - Sensor - Main 7130 / 7180 | 1 |
| 13 | N37330 | Bracket - Sensor - Main 7240 / 7252 / 7300 | 1 |
| 14 | W-469 | Hex Bolt - 1/4 x 3/4 | 6 |
| 15 | W-1847 | Hex Bolt - 1/4 x 5 Lg | 2 |
| 16 | D-5259 | Carriage Bolt - 5/16 x 3/4 Lg | 1 |
| 17 | D-5260 | Carriage Bolt - 3/8 x 1 1/4 Lg | 1 |
| 18 | D-5265 | Carriage Bolt - 1/2 x 1 Lg | 2 |
| 19 | D-5277 | Locknut - 1/4 - Serrated | 6 |
| 20 | W-512 | Hex Nut - 1/4 | 2 |
| 21 | D-5278 | Locknut - 5/16 - Serrated | 1 |
| 22 | D-5279 | Locknut - 3/8 - Serrated | 1 |
| 23 | D14565 | Locknut - 1/2 - Serrated | 2 |
| 24 | W-521 | Lockwasher - 1/4 | 2 |
| 25 | D-4838 | Nylon Tie Strap - Black - 14 1/2 Lg | 3 |
| 26 | N27625 | Assembly Tool - Packard Connector | 1 |
| 27 | N29382 | Rocker Switch - 2 Way - #83301 | 2 |
| 28 | N29400 | Bracket - Auxiliary Mount - Monitor | 1 |
| 29 | N16698 | Screw - Self Tapping - 1/4 | 2 |
| 30 | N29333 | Control - Start/Stop | 1 |
| 31 | N29696 | Screw - Self Tapping - #10 x 3/4 | 2 |
| | | **The following Items come with the basic Air Seeder** | |
| 32 | N27010 | Monitor - Version 1 | |
| | N37010 | Monitor - Version 2 | |
| 33 | N32470 | Wire - Monitor Extension - 21 ft - Weather Pak | |
| | N27608 | Wire - Monitor Extension - 21 ft - Brylite | |
| 34 | N32471 | Wire - Monitor Extension - 37 1/2 ft Tow Behind ONLY - Weather Pak | |
| | N28199 | Wire - Monitor Extension - 37 1/2 ft Tow Behind ONLY - Brylite | |
| 35 | N32472 | Harness - Monitor (Weather Pak) 7130 / 7180 Tow Behind | |
| | N27006 | Harness - Monitor (Brylite) 7130 / 7180 Tow Behind | |
| | N32474 | Harness - Monitor (Weather Pak) 7240 / 7300 Tow Behind | |
| | N27008 | Harness - Monitor (Brylite) 7240 / 7300 Tow Behind | |
| | N32473 | Harness - Monitor (Weather Pak) 7180 Tow Between | |
| | N27007 | Harness - Monitor (Brylite) 180 Tow Between | |
| | N32475 | Harness - Monitor (Weather Pak) 7240 Tow Between | |
| | N27009 | Harness - Monitor (Brylite) 7240 Tow Between | |
| | N32476 | Harness - Monitor (Weather Pak) 7252 Tow Behind | |
| | N31550 | Harness - Monitor (Brylite) 7252 Tow Behind | |
| | N32477 | Harness - Monitor (Weather Pak) 7252 Tow Between | |
| | N31551 | Harness - Monitor (Brylite) 7252 Tow Between | |
| | | **See Pg. 8-3 for complete list of Replacement Connectors** | |
| A | N21538 | Brylite Connector - 4 Pin Male | |
| B | N21539 | Brylite Connector - 4 Pin Female | |
| C | N29384 | Packard Connector - BLACK - 2 Pin Plug | |
| D | N29385 | Packard Connector - BLACK - 2 Pin Socket | |
| E | N27613 | Packard Connector - BLACK - 3 Pin Plug | |
| F | N27614 | Packard Connector - BLACK - 3 Pin Socket | |
| H | N29151 | Packard Connector - BLACK - 4 Pin Plug | |
| I | N29152 | Packard Connector - BLACK - 4 Pin Socket | |
| J | N29153 | Seal Connector - Black - BLACK - 4 Pin | |
| K | N28901 | Packard Connector - BLUE - 3 Pin Plug | |
| L | N28902 | Packard Connector - BLUE - 3 Pin Socket | |
| M | N29143 | Seal Connector - BLUE - 3 Pin | |

# Variable Rate System
# Valve Manifold



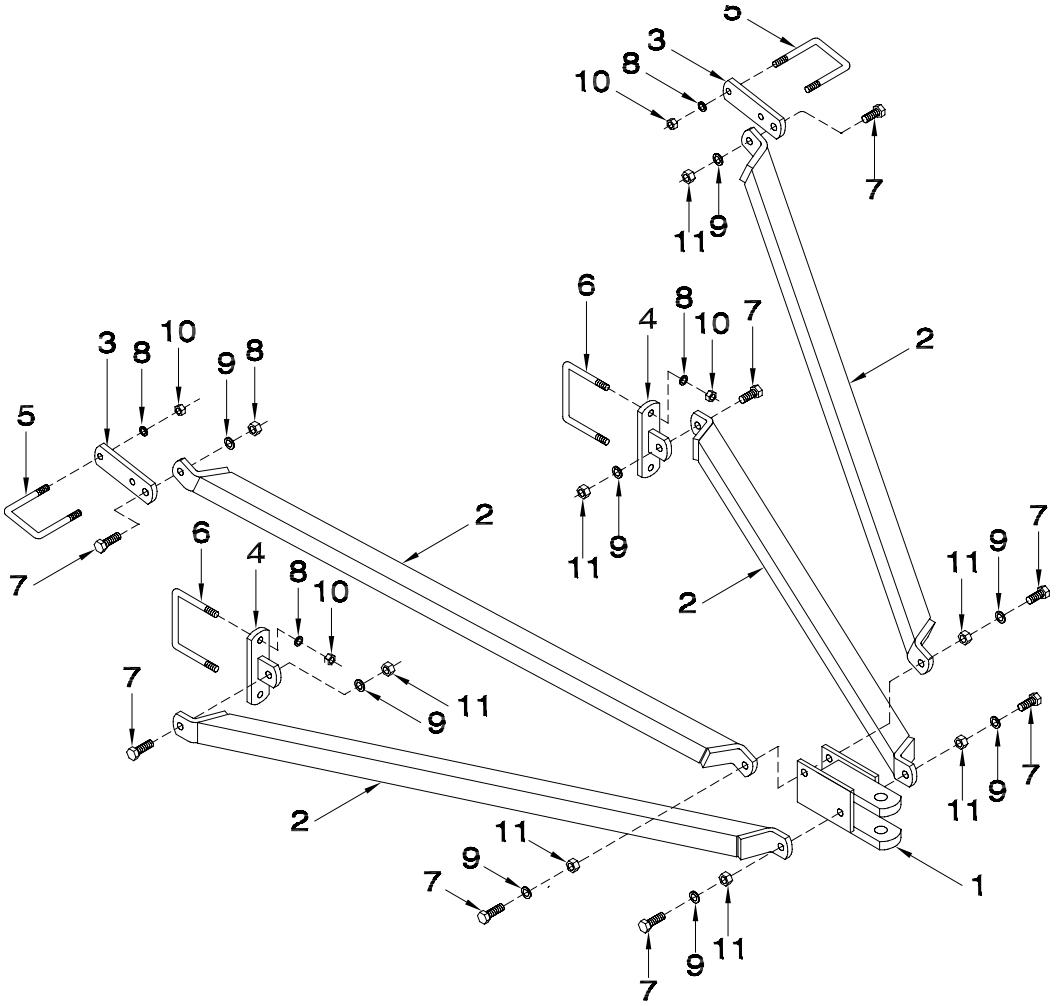

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N29321 | Valve Manifold Block | 1 |
| 2 | N29322 | Valve - Dump - Solenoid | 1 |
| 3 | N29323 | Valve - Solenoid - Flow Element | 3 |
| 4 | N29324 | Valve - Flow Restrictor - Slave | 3 |
| 5 | N29325 | Valve - Flow Regulator - Supply | 1 |
| 6 | N29328 | Valve - Flow Regulator - Drain | 3 |
| 7 | N29365 | Male Plug - 9/16-18 ORB | 15 |
| 8 | N29329 | DIN Connector - Plug w/Gasket | 4 |
| 9 | N29331 | Gasket - DIN Connector | 4 |
| 10 | N29330 | Adjustment Knob Assembly | 3 |
| | N38962 | Nut for N29330 | |
| | N38963 | Screw for N29330 | |
| | N29320 | Valve Manifold Assembly (Includes above items except 8, 9 & 10) | |

# Section 10: Options

## Section Contents

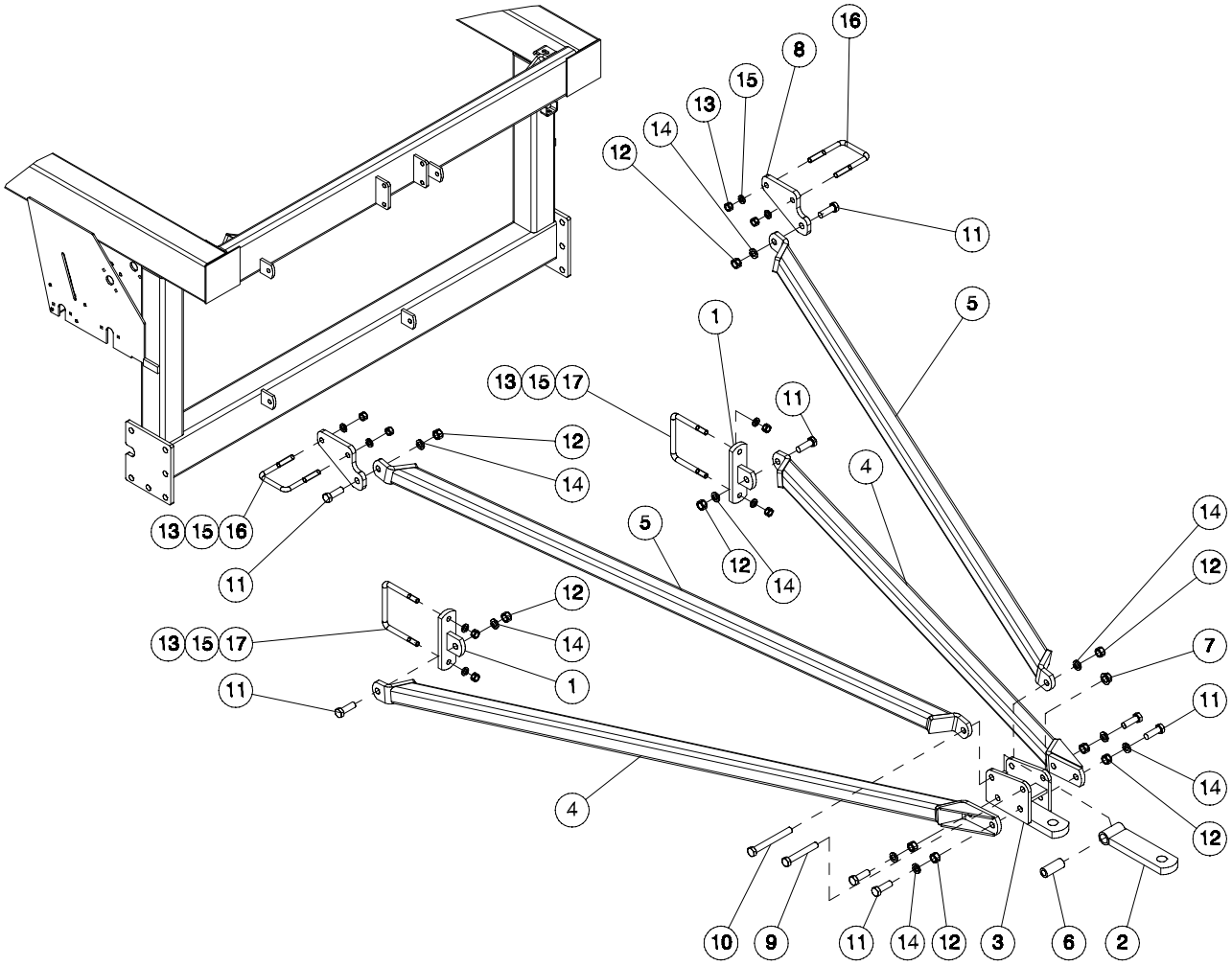
Rear Tow Hitch ..... 10-2
Rear Tow Hitch - Long ..... 10-3
Hyd Extension Kit for Rear Tow Hitch ..... 10-4
Hitch Extension Kit for Tow Between Cart ..... 10-5
Three Point Hitch ..... 10-6
Three Point Hitch Air Cart Hydraulics w/Std Auger ..... 10-8
Three Point Hitch Hydraulics for Xpress (Prior to November 2004) ..... 10-10
Three Point Hitch Distribution ..... 10-12
Three Point Hitch Lift Cylinder ..... 10-14

# Options
# Rear Tow Hitch



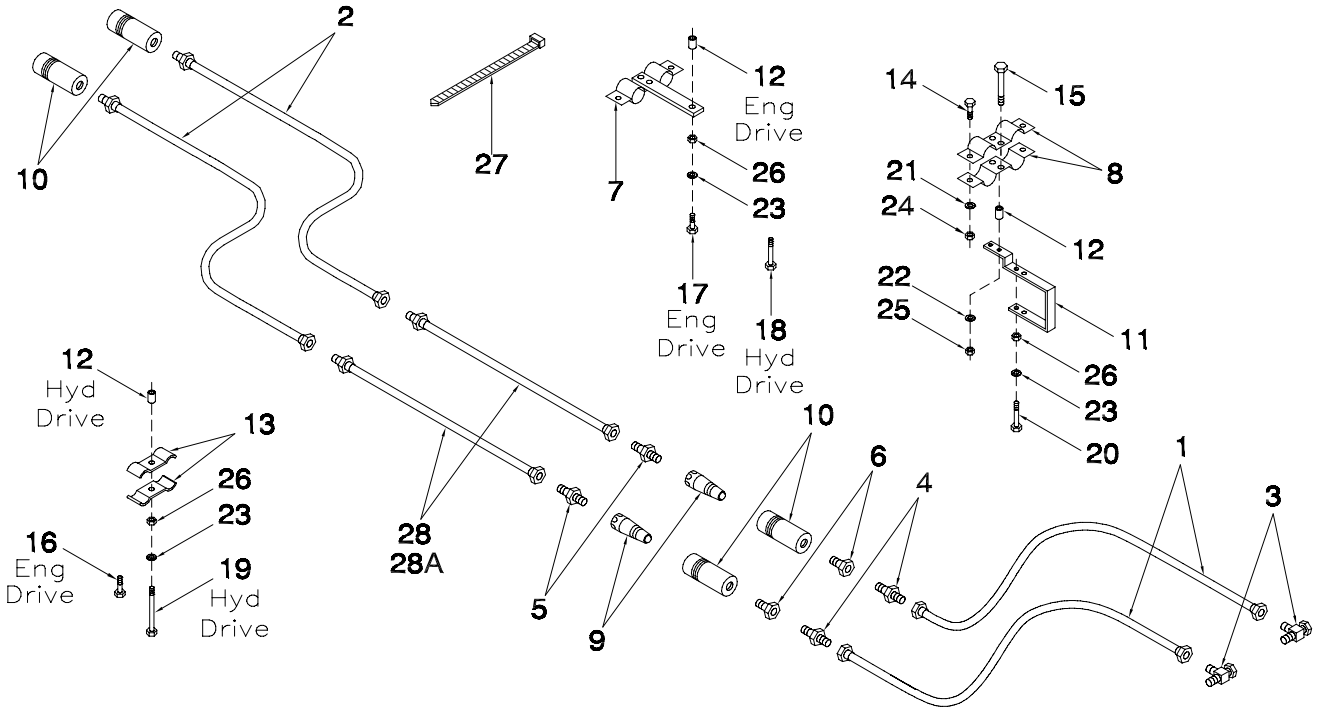

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27580 | Tongue - Packer Hitch | 1 |
| 2 | N27583 | Tube- Packer Hitch | 4 |
| 3 | N27579 | Hitch Bracket - Top | 2 |
| 4 | N27586 | Hitch Bracket - Bottom | 2 |
| 5 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 Lg | 2 |
| 6 | F-4642 | U-Bolt - 5/8 x 6 x 5 1/2 Lg | 2 |
| 7 | W-1553 | Hex Bolt - 3/4 x 2 1/4 Lg | 8 |
| 8 | W-526 | Lockwasher - 5/8 | 8 |
| 9 | W-527 | Lockwasher - 3/4 | 8 |
| 10 | W-517 | Hex Nut - 5/8 | 8 |
| 11 | W-518 | Hex Nut - 3/4 | 8 |
| | H27840 | Kit - Packer Hitch - 7000 BHND (Includes all above items) (ORDER THROUGH WHOLEGOODS) | |

# Options
## Rear Tow Hitch - Long



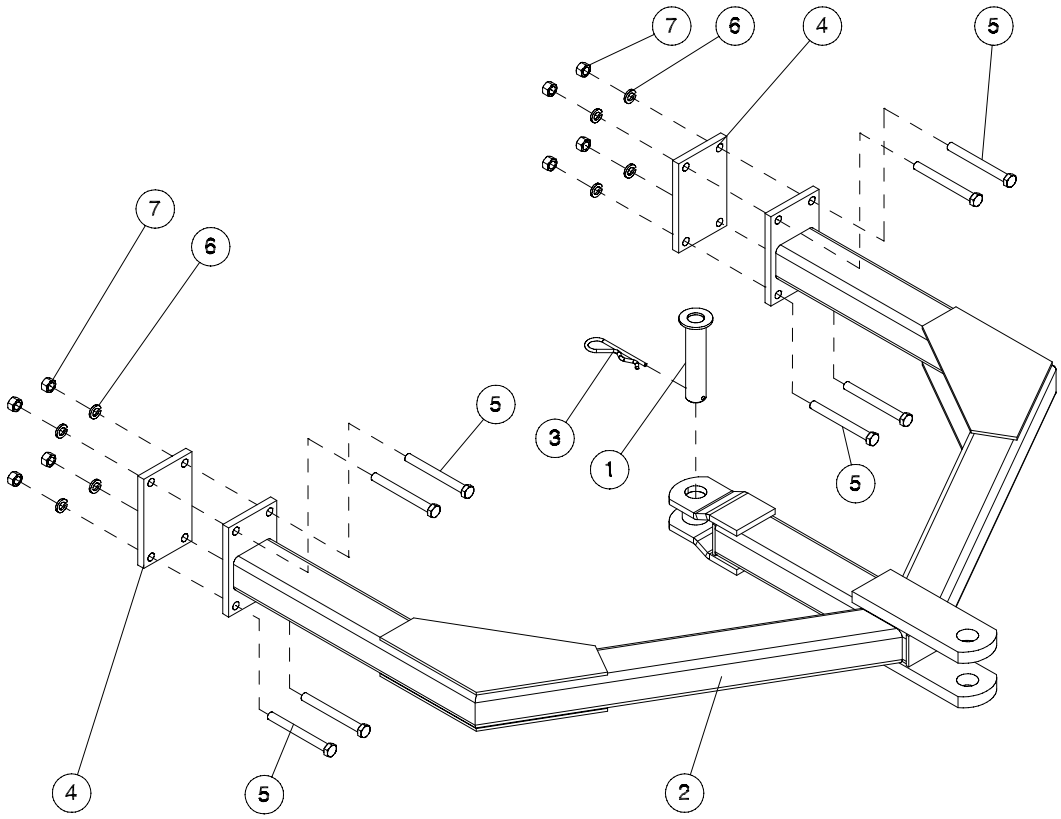

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N27586 | Hitch Bracket - Bottom | 2 |
| 2 | N34298 | Hammer Strap | 1 |
| 3 | N34299 | Hitch Tongue | 1 |
| 4 | N34396 | Bottom Brace - Tow Hitch | 2 |
| 5 | N34398 | Top Brace - Tow Hitch | 2 |
| 6 | N34354 | Bushing | 1 |
| 7 | D12942 | Flange Lock Nut - 3/4 Serrated | 1 |
| 8 | N34456 | Top Hitch Bracket | 2 |
| 9 | S-1191 | Hex Bolt - 3/4 x 5 Lg | 1 |
| 10 | C-3525 | Hex Bolt - 3/4 x 6-1/2 Lg | 1 |
| 11 | W-1553 | Hex Bolt - 3/4 x 2 1/4 Lg | 8 |
| 12 | W-518 | Hex Nut - 3/4 | 9 |
| 13 | W-517 | Hex Nut - 5/8 | 8 |
| 14 | W-527 | Lockwasher - 3/4 | 9 |
| 15 | W-526 | Lockwasher - 5/8 | 8 |
| 16 | C-219 | U-Bolt - 5/8 x 4 x 5 9/16 | 2 |
| 17 | F-4642 | U-Bolt - 5/8 x 6 x 5 1/2 | 2 |
| | N34399 | Kit - NH3 Tank Tow Hitch - 7000 BHND (Includes all above items) (ORDER THROUGH WHOLEGOODS) | |

# Options
# Hyd Extension Kit for Rear Tow Hitch



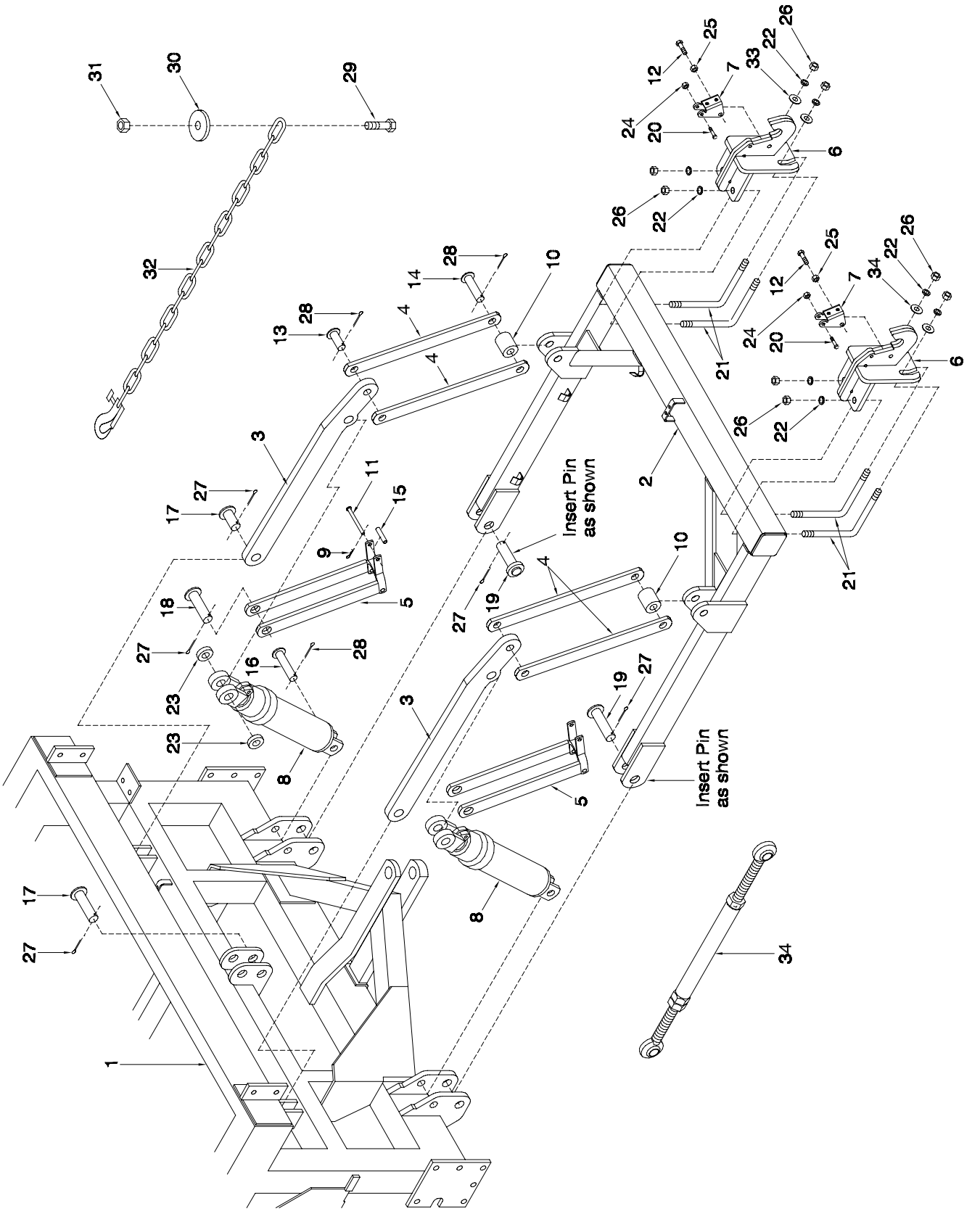

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | H18267 | Hyd Hose - 1/4 x 96 Lg w/9/16-18 FJIC | 2 |
| 2 | N15041 | Hyd Hose - 1/2 x 293 Lg w/7/8-14 FJIC x 1/2 MNPT | 2 |
| 3 | C-4403 | Tee - (2) 9/16-18 MJIC x (1) 9/16-18 FJIC | 2 |
| 4 | C-4405 | Connector - 9/16-18 MJIC x 3/8 MNPT | 2 |
| 5 | C-4399 | Connector - 7/8-14 MJIC x 1/2 MNPT | 2 |
| 6 | C-719 | Reducer - 1/2 MNPT x 3/8 FNPT | 2 |
| 7 | S-1379 | Pioneer Coupler Assembly | 1 |
| 8 | N16608 | Pioneer Clamp | 2 |
| 9 | C-817 | Male Pioneer Tip - 1/2 FNPT | 2 |
| 10 | C-818 | Pioneer Coupler - 1/2 FNPT | 4 |
| 11 | N21691 | Mounting Bracket | 1 |
| 12 | N16257 | Spacer | 3 |
| 13 | D-4808 | Oil Line Clamp | 2 |
| 14 | W-469 | Hex Bolt - 1/4 x 3/4 | 2 |
| 15 | W-473 | Hex Bolt - 5/16 x 1 1/2 | 2 |
| 16 | W-187 | Hex Bolt - 3/8 x 1 1/4 | 1 |
| 17 | W-619 | Hex Bolt - 3/8 x 1 3/4 | 1 |
| 18 | D-5249 | Hex Bolt - 3/8 x 3 1/4 | 1 |
| 19 | S-1299 | Hex Bolt - 3/8 x 4 1/2 | 1 |
| 20 | C-3918 | Hex Bolt - 3/8 x 5 | 1 |
| 21 | W-521 | Lockwasher - 1/4 | 2 |
| 22 | W-522 | Lockwasher - 5/16 | 2 |
| 23 | W-523 | Lockwasher - 3/8 | 3 |
| 24 | W-512 | Hex Nut - 1/4 | 2 |
| 25 | W-513 | Hex Nut - 5/16 | 2 |
| 26 | W-514 | Hex Nut - 3/8 | 3 |
| 27 | D-4838 | Tie Strap | 6 |
| 28 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC 7130 /7180 | 2 |
| 28A | C15310 | Hyd Hose - 1/2 x 72 Lg w/7/8-14 MJIC x 7/8-14 FJIC 7240 / 7252 / 7300 | 2 |
| | H27842 | Kit - Hydraulic Extension - 7130 / 7180 (Includes All Items Except #28A) | |
| | H25645 | Kit - Hydraulic Extension - 7240 / 7252 / 7300 (Includes All Items Except #28) (ORDER THROUGH WHOLEGOODS) | |

# Options
## Hitch Extension Kit for Tow Between Cart




| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N15049 | Pin - 1 1/2 Dia x 6 1/2 UL | 1 |
| 2 | N36195 | Extended Hitch | 1 |
| 3 | P1318510 | Hairpin - #19 - 1/4 x 4 3/8 | 1 |
| 4 | N36191 | Plate | 2 |
| 5 | C-507 | Hex Bolt - 5/8 x 6 Lg | 8 |
| 6 | W-526 | Lockwasher - 5/8 | 8 |
| 7 | W-517 | Hex Nut - 5/8 | 8 |

# Options
# Three Point Hitch

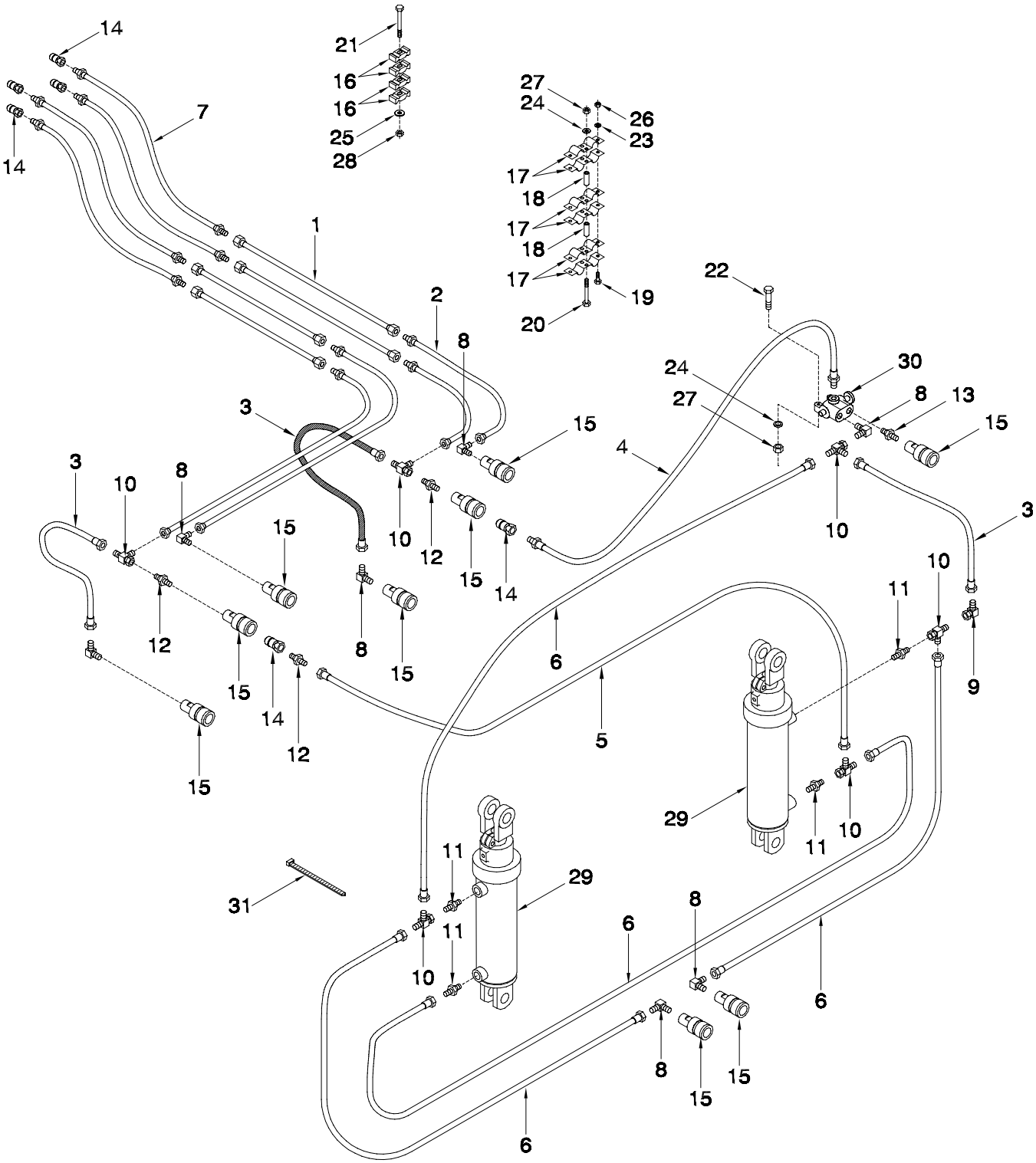


## Options - Three Point Hitch

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N28370 | Frame - 7180 Tow Between/Three Point Hitch | 1 |
| | N28375 | Frame - 7240 Tow Between/Three Point Hitch | 1 |
| 2 | N28960 | Three Point Hitch Frame | 1 |
| 3 | N28954 | Lever Arm | 2 |
| 4 | N28962 | Lift Arm | 4 |
| 5 | N28390 | Transport Lock | 2 |
| 6 | N34550 | Lower Link | 2 |
| 7 | N28966 | Rocker Plate | 2 |
| 8 | C26300 | Cylinder - 4 x 12 Lg (See Page 10-14) | 2 |
| 9 | D17315 | Hairpin - #3 - 0.094 x 1 21/32 Lg | 2 |
| 10 | N34361 | Bushing | 2 |
| 11 | N28953 | Pin - 3/8 x 4 1/4 UL | 2 |
| 12 | W-489 | Hex Bolt - 1/2 x 2 1/4 Lg | 2 |
| 13 | W-558 | Pin - 1 x 2 1/4 UL | 2 |
| 14 | C-1429 | Pin - 1 x 3 3/8 UL | 2 |
| 15 | N31313 | Sleeve - Transport Lock Pin | 2 |
| 16 | F-3645 | Pin - 1 x 5 1/4 UL | 2 |
| 17 | N28997 | Pin - 1 1/4 x 2 1/4 UL | 2 |
| 18 | N28994 | Pin - 1 1/4 x 4 1/4 UL | 2 |
| 19 | N32735 | Pin - 1 1/4 x 5 1/4 UL | 2 |
| 20 | W-479 | Hex Bolt - 3/8 x 2 1/4 Lg | 2 |
| 21 | N34554 | L-Bolt - 3/4 x 4 x 4 LL | 4 |
| 22 | W-527 | Lockwasher - 3/4 | 8 |
| 23 | N13962 | Washer - 2 1/2 OD x 1.281 ID x 1/4 | 4 |
| 24 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 25 | F-3405 | Lock Nut - 1/2 | 2 |
| 26 | W-518 | Hex Nut - 3/4 | 8 |
| 27 | D-5239 | Cotter Pin - 1/4 x 2 1/4 Lg | 6 |
| 28 | W-535 | Cotter Pin - 1/4 x 1 1/2 Lg | 6 |
| 29 | C12609 | Hex Bolt - 1 x 4 1/2 Lg | 1 |
| 30 | N19605 | Washer | 1 |
| 31 | T-5276 | Lock Nut | 1 |
| 32 | C18761 | Chain - Safety - 3/8 P-7 AG - 30,000 lb | 1 |
| 33 | W-541 | Washer - 2 OD x 0.813 ID x 10GA | 2 |
| 34 | N28971 | Turnbuckle | 1 |

**Note: Turnbuckle is not supplied with Xpress three point hitch assembly.**

# Options
## Three Point Hitch Air Cart Hydraulics w/Std Auger

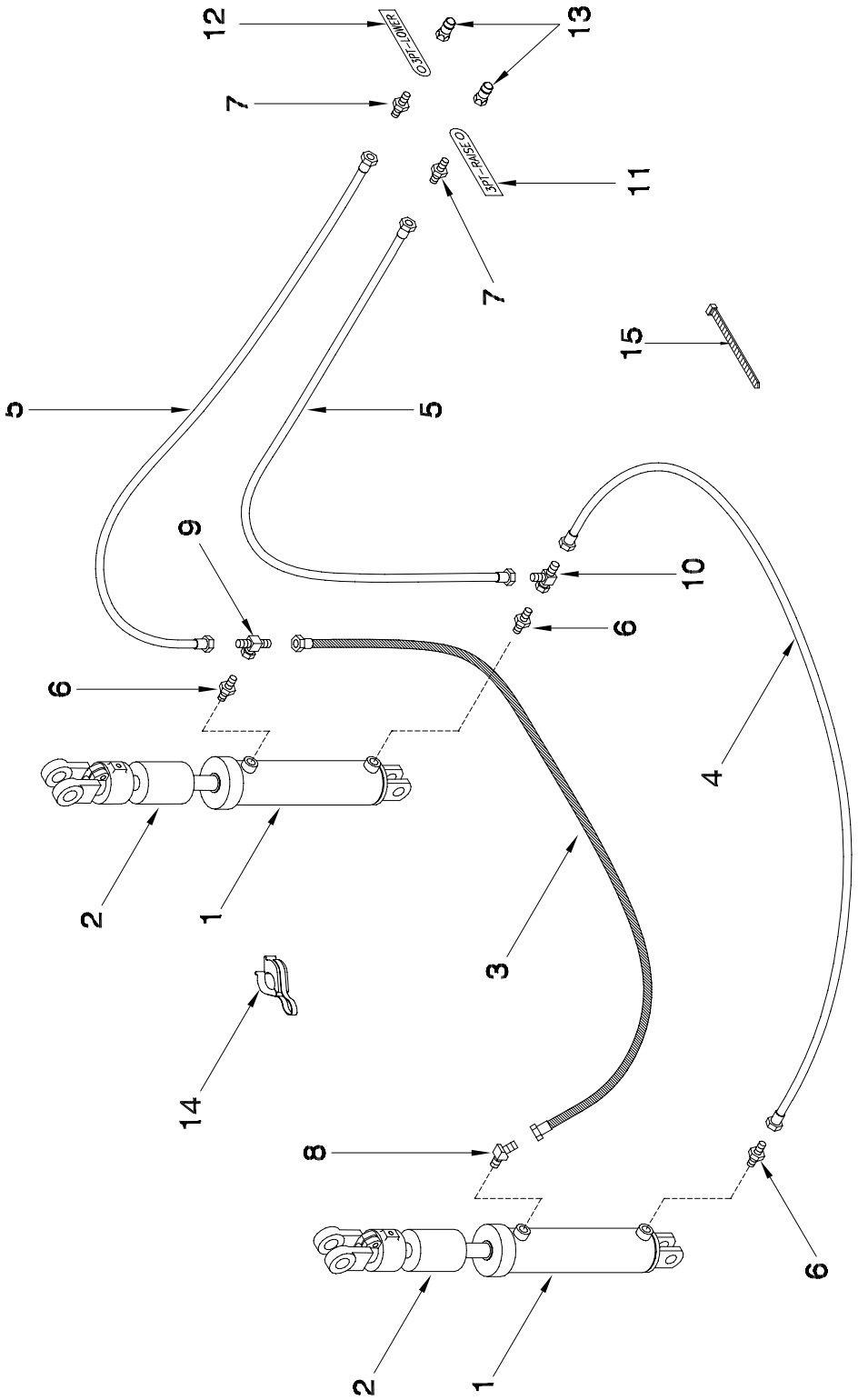


## Options - Three Point Hitch Air Cart Hydraulics w/Std Auger

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | C-4367 | Oil Line - 5/8 x 80 Lg | 4 |
| | C-4369 | Oil Line - 5/8 x 96 Lg | 4 |
| 2 | C-4385 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC | 4 |
| 3 | C-4468 | Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 3 |
| 4 | C-1482 | Hyd Hose - 1/2 x 32 Lg w/1/2 MNPT | 1 |
| 5 | C-4404 | Hyd Hose - 1/2 x 36 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 1 |
| 6 | C18779 | Hyd Hose - 1/2 x 72 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 4 |
| 7 | N19548 | Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT | 4 |
| 8 | C-4400 | 90 Elbow - 7/8-14 MJIC x 1/2 MNPT | 7 |
| 9 | K-5806 | 90 Swivel Elbow - 7/8 MJIC x 7/8 FJIC | 1 |
| 10 | H18746 | Swivel Tee - 2 x 7/8-14 MJIC x 7/8-14 FJIC | 6 |
| 11 | C14840 | Male Connector - 1/2 Morb x 5/8 MJIC | 4 |
| 12 | C-4399 | Male Connector - 7/8-14 MJIC & 1/2 MNPT | 3 |
| 13 | K21212 | NPT Male Union | 1 |
| 14 | C-817 | Male Pioneer Tip - 1/2 FNPT | 6 |
| 15 | C-818 | Pioneer Coupler - 1/2 FNPT | 9 |
| 16 | C-4698 | Nylon Oil Line Clamp | 8 |
| 17 | N16608 | Coupler Clamp - Female Pioneer | 6 |
| 18 | N19458 | Spacer - 2 | 4 |
| 19 | W-469 | Hex Bolt - 1/4 x 3/4 Lg | 6 |
| 20 | N31314 | Hex Bolt - 5/16 x 5 1/2 Lg | 2 |
| 21 | C-1550 | Hex Bolt - 3/8 x 4 Lg | 2 |
| 22 | W-474 | Hex Bolt - 5/16 x 1 7/8 Lg | 2 |
| 23 | W-521 | Lockwasher - 1/4 | 6 |
| 24 | W-522 | Lockwasher - 5/16 | 4 |
| 25 | W-538 | Flatwasher - 3/8 | 2 |
| 26 | W-512 | Hex Nut - 1/4 | 6 |
| 27 | W-513 | Hex Nut - 5/16 | 4 |
| 28 | M-3388 | Locknut - 3/8 Unitorque | 2 |
| 29 | C26300 | Cylinder - 4 x 12 Lg | 2 |
| 30 | S-4730 | Selector Valve - 2 Way (Seal Kit - N31601) | 1 |
| 31 | D-4838 | Nylon Tie Strap - 14 1/2 Lg | 8 |

**Three Point Hitch Air Cart Hydraulics w/Front Mount Auger - See Page 5-16**

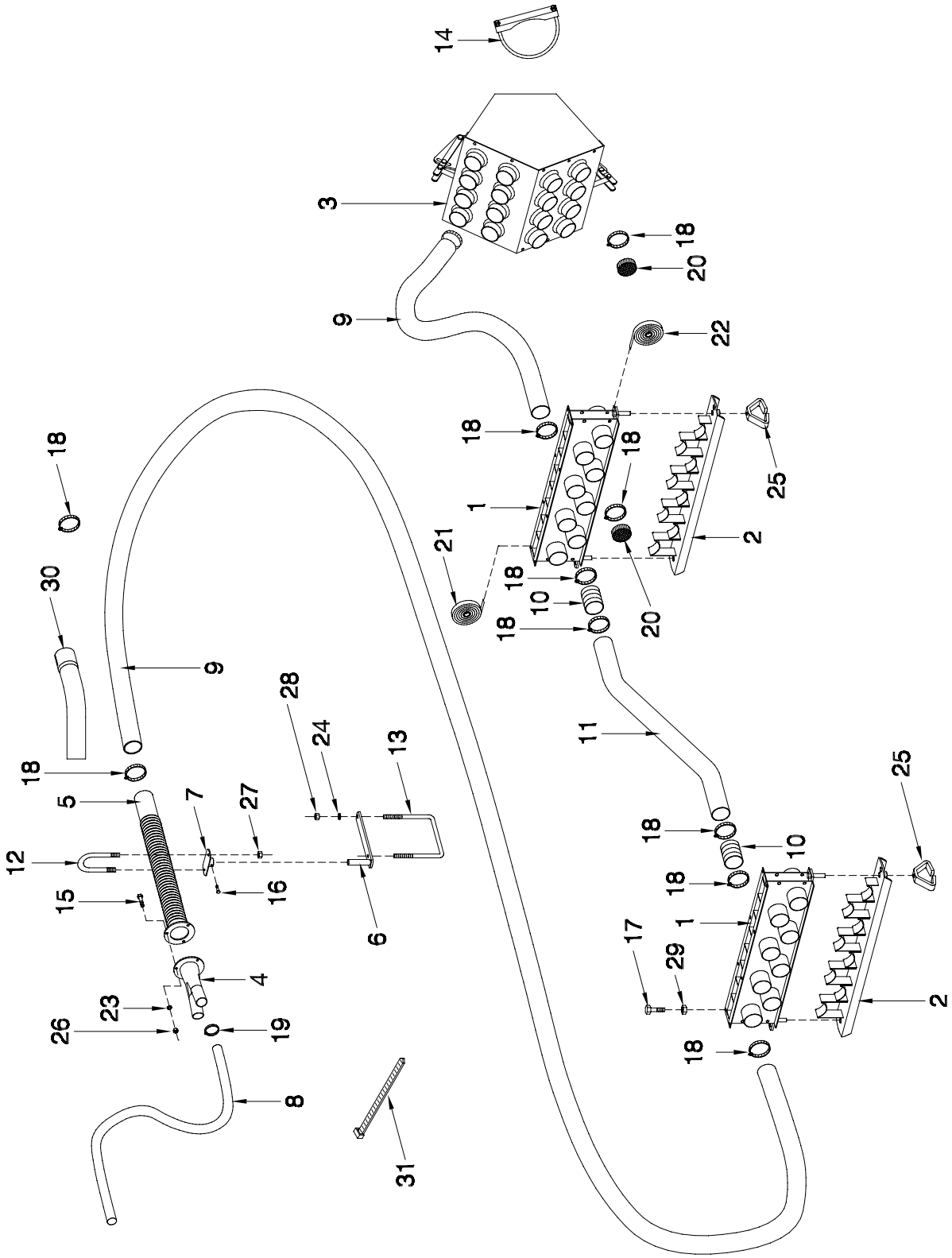
# Options
## Three Point Hitch Hydraulics for Xpress (Prior to November 2004)



## Options - Three Point Hitch Hydraulics for Xpress

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | C26300 | Cylinder - 4 x 12 Lg | 2 |
| 2 | N32069 | Spacer - Stroke Control 1.375 ID (Aluminum) | 2 |
| 3 | H-4408 | Hyd Hose - 1/2 x 84 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 1 |
| 4 | C18779 | Hyd Hose - 1/2 x 72 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 1 |
| 5 | K-5685 | Hyd Hose - 1/2 x 48 Lg w/7/8-14 FJIC x 7/8-14 FJIC | 2 |
| 6 | C14840 | Male Connector - 1/2 ORB x 5/8 MJIC | 3 |
| 7 | C-4399 | Male Connector - 7/8-14 MJIC & 1/2 MNPT | 2 |
| 8 | C26333 | 45 Male Elbow - 7/8-14 MJIC x 3/4-16 ORB | 1 |
| 9 | F24559 | Swivel Tee - 7/8-14 FJIC x (2) 7/8-14 MJIC | 1 |
| 10 | H18746 | Swivel Tee - (2) 7/8-14 MJIC x 7/8-14 FJIC | 1 |
| 11 | N34362 | Tag - Hose ID - Three Point Hitch - RAISE | 1 |
| 12 | N34363 | Tag - Hose ID - Three Point Hitch - LOWER | 1 |
| 13 | C-817 | Male Pioneer Tip - 1/2 FNPT | 2 |
| 14 | S25999 | Spacer - Cylinder Stroke (Aluminum) Not included with cylinder | 2 |
| 15 | D-4838 | Tie Strap | 4 |

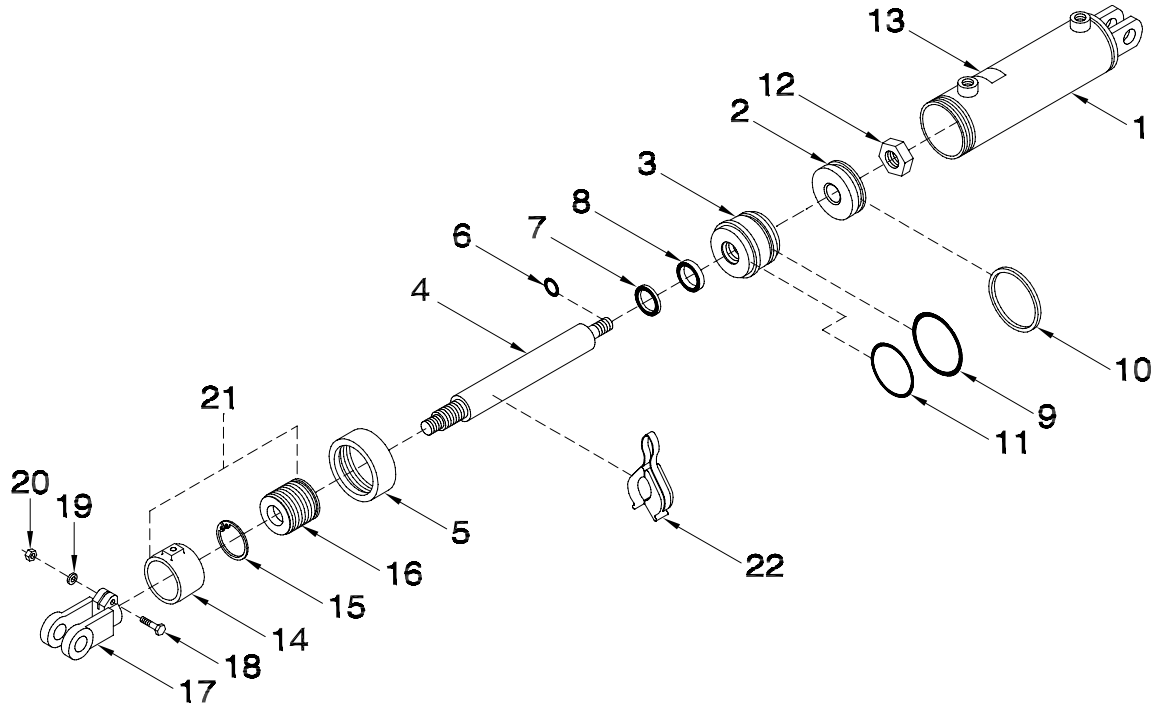
# Options
# Three Point Hitch Distribution



## Options - Three Point Hitch Distribution

| Item | Part No. | Description | No: Used 8 Row | No: Used 12 Row |
|---|---|---|---|---|
| 1 | N19690 | Collector - 8 Outlet | 2 | 2 |
| 2 | N19693 | Cover - Cleanout - 8 Outlet | 2 | 2 |
| 3 | N28824 | Plenum Assy - Dual Shoot | 1 | 1 |
| 4 | N29130 | Splitter | 4 | 6 |
| 5 | N15135 | Pipe - Corr Dif - Divider Head | 4 | 6 |
| 6 | N31208 | Distribution Support | 8 | 12 |
| 7 | N15102 | Support - Rear | 8 | 12 |
| 8 | R480056 | Hose - 1 1/2 ID (Bulk/ft) | 25 ft | 50 ft |
| 9 | R480055 | Hose - 2 1/2 ID (Bulk/ft) | 25 ft | 75 ft |
| 10 | N19428 | Hose - 0.254 ID x 0.279 OD x 5 Lg | 8 | 12 |
| 11 | N27045 | Tube - Primary - 43 3/4 - 7180 | 0 | 6 |
| | N27050 | Tube - Primary - 55 3/4 - 7240/7300 | 4 | 0 |
| 12 | N15096 | U-Bolt - 1/4 Dia x 2 1/2 - Short | 8 | 12 |
| 13 | N31209 | U-Bolt - 3/8 x 7 1/16 x 8 | 8 | 12 |
| 14 | N15930 | U-Clamp - 6 Heavy Duty Flat | 1 | 1 |
| 15 | W-469 | Hex Bolt -1/4 x 3/4 Lg | 12 | 18 |
| 16 | N24396 | Set Screw - 1/4 x 3/8 Lg | 8 | 12 |
| 17 | F-1767 | Hex Bolt -5/16 x 3/4 Lg | 16 | 16 |
| 18 | N11905 | Hose Clamp - 2 1/2 Dia - 7180 | 64 | 72 |
| | N11905 | Hose Clamp - 2 1/2 Dia - 7240 | 66 | 76 |
| 19 | N11906 | Hose Clamp - 1 1/2 Dia | 8 | 12 |
| 20 | N11907 | Plastic Cap - Short - 2 1/2 Dia - 7180 | 28 | 18 |
| | N11907 | Plastic Cap - Short - 2 1/2 Dia - 7240 | 30 | 22 |
| 21 | N15716 | Seal - 1/4 x 1 (Bulk/ft) | 10 ft | 10 ft |
| 22 | N19449 | Seal - 3/8 x 1 (Bulk/ft) | 10 ft | 10 ft |
| 23 | W-521 | Lockwasher - 1/4 | 12 | 18 |
| 24 | W-523 | Lockwasher - 3/8 | 16 | 24 |
| 25 | N27360 | Wing Nut - 1/2 | 4 | 4 |
| 26 | W-512 | Hex Nut - 1/4 | 12 | 18 |
| 27 | D-5277 | Serrated Lock Nut - 1/4 | 16 | 24 |
| 28 | W-514 | Hex Nut - 3/8 | 16 | 24 |
| 29 | D-5278 | Serrated Lock Nut - 5/16 | 16 | 16 |
| 30 | N27329 | Tube - Primary - 45 degree Elbow | 2 | 2 |
| 31 | D-4838 | Nylon Tie Strap - 14.5 Lg | 0 | 2 |

# Options
# Three Point Hitch Lift Cylinder




| Item | Part No. | Description | Qty |
|---|---|---|---|
| | | **C26300 - 4 x12 - GLAND - BYPASS CYLINDER** | |
| 1 | C26238 | Barrel - 4 x 12 Gland-Bypass | 1 |
| 2 | C-2031 | Piston - 4 Dia - 7/8 Shaft | 1 |
| 3 | C26290 | Gland - 4 Dia - 1 3/8 Shaft | 1 |
| 4 | C26187 | Cylinder Shaft - 1 3/8 Dia | 1 |
| 5 | C-2023 | Collar - 4 Cylinder | 1 |
| 6 | C-2187 | 1 OD x 1/16 C/S 90D BUNA O-RING | 1 |
| 7 | C26265 | 1 3/8 ID x 3/16 C/S 90D URTH WIPER | 1 |
| 8 | C26264 | 1 3/8 ID x 5/16 90D URTH U-CUP | 1 |
| 9 | C-2030 | 4 OD x 3/16 C/S 90D BUNA O-RING | 1 |
| 10 | C-2025 | 4 OD x 3/16 C/S 90D URTH O-RING | 1 |
| 11 | C-2215 | 3 7/8 OD x 1/16 C/S 70A BUNA-N O-RING | 1 |
| 12 | C-2017 | Locknut - 7/8 UNF Unitorque | 1 |
| 13 | C26304 | Part # Plate for C26300 | 1 |
| 14 | C22361 | Sleeve - Outer | 1 |
| 15 | C10466 | Snap Ring - Waldes #5100-212 | 1 |
| 16 | C-2004 | Inner Stroke Control Sleeve | 1 |
| 17 | C26188 | Cast Clevis - 1 1/4 Dia Pin | 1 |
| 18 | W-477 | Hex Bolt - 3/8 x 1 1/2 Lg | 1 |
| 19 | W-523 | Lockwasher - 3/8 | 1 |
| 20 | W-514 | Hex Nut - 3/8 | 1 |
| | C26300 | Cylinder Assembly (Includes All Above Items) | |
| | C26308 | Seal Kit (Includes Items #6, 7, 8, 9, 10 & 11) | |
| 21 | C-2001 | Stroke Control Collar Assembly (Includes items #14, 15 & 16) | 1 |
| 22 | S25999 | Spacer - Cylinder Stroke - Aluminum | 1 |

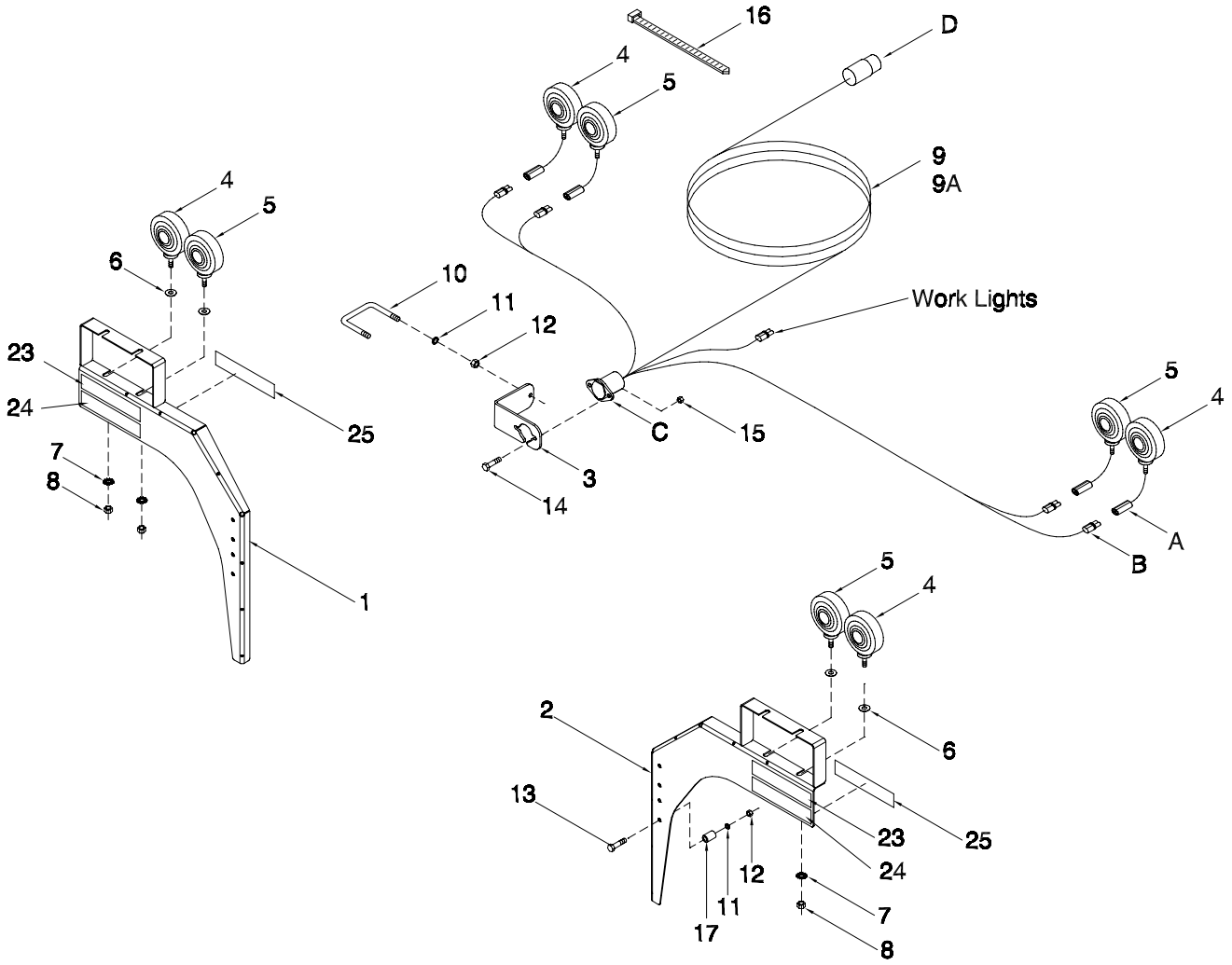
# Section 11: Lighting

## Section Contents

7000 Series Air Cart ..... 11-2

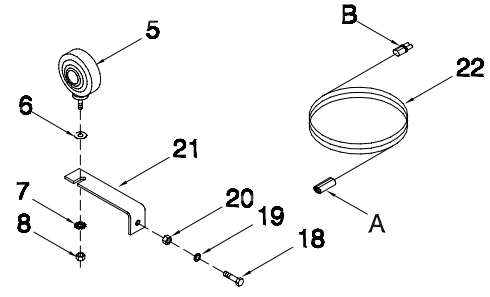
# Safety Lights
# 7000 Series Air Cart

AIR CARTS 2001 TO PRESENT

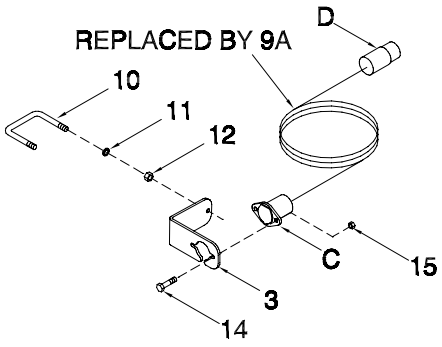



AIR CARTS PRIOR TO 2001

Note: Light item #5 is transferred from seeding unit.




Tow Behind




Tow Between

## Safety Lights - 7000 Series Air Cart

| Item | Part No. | Description | Qty |
|---|---|---|---|
| 1 | N32041 | Bracket - Mounting Left | 1 |
| 2 | N32040 | Bracket - Mounting Right | 1 |
| 3 | N32001 | Bracket - Mounting | 1 |
| 4 | C32765 | Light - Amber | 2 |
| 5 | C32766 | Light - Red | 2 |
| 6 | W-539 | Flat Washer - 1/2 | 3 |
| 7 | D-5280 | Star Washer - 1/2 | 3 |
| 8 | W-516 | Hex Nut - 1/2 | 3 |
| 9 | C32051 | Wiring Harness - Main Tow Behind | 1 |
| 9A | C31497 | Wiring Harness - Main Tow Between | 1 |
| 10 | N15098 | U-Bolt - 3/8 x 4 x 5 | 1 |
| 11 | W-523 | Lockwasher - 3/8 | 6 |
| 12 | W-514 | Hex Nut - 3/8 | 6 |
| 13 | W-475 | Hex Bolt - 3/8 x 1 lg | 4 |
| | W-1854 | Hex Bolt - 3/8 x 3 lg (Used with item 17) | 4 |
| 14 | N29048 | Carriage Head Bolt - 5/16 x 1 lg | 2 |
| 15 | D-5278 | Serrated Nut - 5/16 | 2 |
| 16 | D-4951 | Nylon Tie Strap - 7 3/8 lg | 14 |
| 17 | N19058 | Spacer Bushing | 4 |
| 18 | W-485 | Hex Bolt - 1/2 x 1 1/4 lg | 4 |
| 19 | W-525 | Lockwasher - 1/2 | 4 |
| 20 | W-516 | Hex Nut - 1/2 | 4 |
| 21 | N31426 | Bracket - Mounting | 1 |
| 22 | C31439 | Wiring Extension - 2 Pin - 10 ft | 3 |
| 23 | N34476 | Reflector - Red | 2 |
| 24 | N34478 | Reflector - Orange | 2 |
| 25 | N34477 | Reflector - Amber | 2 |
| | C32761 | Red Acrylic Lens | |
| | C32762 | Amber Acrylic Lens | |
| | C32515 | Bulb - #1156 (Amber Light) | |
| | C32656 | Bulb - #1157 (Red Light) | |
| A | C32681 | Recepticale Connector Assembly - GRAY - 2 Pin | |
| B | C32682 | Plug Connector Assembly - GRAY - 2 Pin | |
| C | C32686 | Connector Assembly - 7 Pin Socket | |
| | C32684 | Interior - Socket - 7 Pin Connector | |
| | C32685 | Protective Boot - Socket - 7 Pin Connector | |
| D | C32690 | Connector Assembly - 7 Pin Plug (Complete with Cable Protector Spring) | |
| | C32688 | Interior - Plug - 7 Pin Connector | |
| | C32689 | Cable Protector Spring - Plug - 7 Pin Connector | |
| | | ORDER KITS THROUGH WHOLE GOODS ONLY | |
| | N30746 | Air Cart Light Kit (Tow Between) Includes item 1-16 except 9 | |
| | N32053 | Air Cart Light Kit (Tow Behind) Includes item 1-16 except 9A | |

## Notes

# Index


## B

BW-11 1-11, 1-17, 1-19
BW-8 6-3, 6-5, 6-8, 6-11, 6-13, 6-15

## C

C-1429 10-6
C-1471 4-53, 4-54
C-1472 6-9, 6-11, 6-13, 6-15
C-1550 1-11, 1-17, 1-19, 2-15, 2-17, 2-20, 5-17, 5-22
C-2001 10-14
C-219 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25, 10-2
C-3016 1-13
C-3035 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
C-304 1-11, 1-13, 1-14
C-333 1-9, 1-21, 1-23, 1-25
C-3525 10-2
C-3664 5-19, 5-21, 9-11
C-3902 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25
C-3918 1-3, 1-5, 1-7, 1-9, 1-17, 1-19, 1-23, 1-25, 4-49, 5-7, 5-9, 5-11, 9-3, 9-5
C-3932 1-11, 1-17, 1-19
C-4367 5-17, 5-19, 5-21, 5-22, 9-11
C-4369 5-17, 5-19, 5-21, 5-22, 9-11
C-4383 5-19, 5-21, 9-11
C-4385 5-17, 5-19, 5-21, 5-22, 9-11
C-4387 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
C-4389 5-17, 5-19, 5-21, 9-11
C-4394 5-21, 9-11
C-4396 5-19
C-4399 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11, 10-10
C-4400 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 5-22, 9-5, 9-9, 9-11
C-4402 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
C-4468 5-21, 9-11
C-4651 1-11, 1-17, 1-19
C-4698 5-7, 5-9, 5-11, 5-15, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-9, 9-11
C-507 10-4
C-508 1-13
C-695 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25
C-705 1-21, 1-23, 1-25
C-708 3-3
C-817 5-7, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-7, 9-9, 9-11, 10-10
C-818 5-7, 5-9, 5-11, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-11
C12375 5-5
C12376 5-5
C12609 10-6
C14840 5-21, 9-11, 10-10
C15318 9-7, 9-9, 9-11
C18597 1-21, 1-23, 1-25
C18760 1-11, 1-17, 1-19
C18761 1-21, 1-23, 1-25, 10-6
C18779 5-21, 9-11, 10-10
C22785 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
C24585 5-19, 5-21, 9-11
C26259 9-3, 9-5
C26300 5-21, 9-11, 10-6, 10-10
C26333 5-21, 9-11, 10-10
C26343 5-15, 9-7, 9-9, 9-11
C26358 5-11, 5-15, 9-3, 9-5, 9-7, 9-9
C29572 2-15, 2-17
C29579 2-15, 2-17
C29610 6-11, 6-13
C31374 2-15, 2-17
C31439 11-3
C31497 11-3
C32051 11-3
C32515 11-3
C32656 11-3
C32681 11-3
C32682 11-3
C32684 11-3
C32685 11-3
C32686 11-3
C32688 11-3
C32689 11-3
C32690 11-3
C32761 11-3
C32762 11-3
C32765 11-3
C32766 11-3
C36358 5-17, 5-19, 5-21, 9-11

## D

D-4808 5-9, 5-11, 9-3, 9-5
D-4838 5-5, 5-7, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11, 9-17, 10-10
D-4945 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
D-4951 11-3
D-5011 2-4, 2-8
D-5016 2-5, 2-9
D-5064 5-4
D-5098 1-3, 1-5, 1-7, 1-9
D-5131 1-11
D-5140 1-11, 1-17, 1-19
D-5204 4-53, 4-54
D-5234 2-4, 2-8, 2-12, 9-13, 9-15
D-5237 7-3
D-5239 3-2, 3-3, 3-4, 10-6
D-5247 1-13, 1-14, 3-4, 4-53, 4-54
D-5249 5-9, 5-11, 9-3, 9-5
D-5259 1-3, 1-5, 1-7, 1-9, 2-4, 2-8, 4-54, 9-13, 9-15, 9-17
D-5260 4-53, 4-54, 9-17
D-5262 5-5
D-5265 9-17
D-5272 1-3, 1-5, 1-9
D-5274 1-11, 1-13, 1-17, 1-19
D-5275 5-5
D-5277 1-3, 1-5, 1-9, 2-5, 2-9, 2-20, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 5-5, 7-3, 9-17
D-5278 1-3, 1-5, 1-7, 1-9, 2-5, 2-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-53, 4-54, 5-5, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-13, 9-15, 9-17, 11-3
D-5279 1-3, 1-5, 1-7, 1-9, 1-11, 1-17, 1-19, 1-21, 1-23, 1-25, 2-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 6-16, 9-5, 9-9, 9-11, 9-17
D-5280 11-3
D-5487 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
D-5488 1-3, 1-5, 1-7, 1-9, 2-10, 2-11
D-5489 1-3, 1-5, 1-7, 1-9, 1-11, 1-17, 1-19, 4-19, 4-22, 4-25, 4-28, 4-37, 4-40, 5-5, 6-16
D-5499 3-2, 3-3
D-5579 1-3, 1-5, 1-7, 1-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-32, 4-35, 4-37, 4-40, 4-44, 4-46, 4-53, 4-54
D-5590 4-53, 4-54
D-5721 1-3
D10553 1-11, 1-17, 1-19
D10747 9-13, 9-15
D10788 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
D10803 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
D10820 5-4
D12942 10-2
D14565 1-17, 1-19, 1-23, 1-25, 9-17
D17315 10-6
D17808 1-13, 2-4, 2-8, 2-13
D17946 2-12, 2-13, 9-13, 9-15

## F

F-1677 4-26, 4-29, 4-38, 4-40
F-1767 1-9, 2-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 5-5, 5-11, 5-15, 5-17, 5-19, 5-

21, 9-3, 9-5, 9-7, 9-9, 9-11
F-3056 1-13, 2-5, 2-9
F-3405 1-3, 1-5, 1-7, 1-9, 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 6-16, 10-6
F-3645 10-6
F-4560 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
F-4642 10-2
F12968 5-4
F24559 10-10

## H

H-4408 10-10
H-4584 1-13, 2-4, 2-8
H-5545 5-19, 5-21, 9-11
H10462 1-21, 1-23, 1-25
H10592 2-17
H18268 2-20
H18746 5-19, 5-21, 9-11, 10-10
H21351 5-13, 5-15, 5-17, 5-19, 5-21, 6-5, 9-7, 9-9, 9-11
H27963 1-21, 1-23, 1-25

## J

J12279 1-13, 1-14
J12281 6-3, 6-5, 6-9, 6-11, 6-13, 6-15

## K

K-383 4-13
K-3830 1-3, 1-5, 1-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
K-5685 5-19, 10-10
K-5806 5-21, 9-11
K12962 6-8

## M

M-3388 1-3, 1-5, 1-7, 1-9, 2-5, 2-9, 4-53, 4-54, 5-17, 5-19, 5-21, 5-22, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-11, 10-6

## N

N11470 4-11
N11847 4-52
N11905 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N11907 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N13900 1-3, 1-5, 1-7, 1-9
N13901 5-7, 5-9, 5-11, 9-3, 9-5
N13950 3-4
N13951 3-4
N13952 3-4
N13953 3-4
N13954 3-4
N13955 3-4
N13956 3-4
N13957 3-4
N13958 3-4
N13959 3-4
N13962 3-4, 10-6
N13963 3-4
N13964 3-4
N13968 3-2, 3-4
N14244 5-4
N14247 5-4
N14248 5-4
N14249 5-4
N15010 5-4
N15018 5-4
N15022 4-3, 4-5, 4-7, 4-9, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46
N15023 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
N15024 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-5, 9-9, 9-11
N15032 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
N15033 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
N15045 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N15049 1-21, 1-23, 1-25, 10-4
N15053 5-4
N15094 1-3, 1-5, 1-7, 1-9
N15096 4-3, 4-5, 4-7, 4-9, 4-11, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 5-4
N15097 2-18, 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15098 2-15, 2-17, 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-49, 5-19, 5-21, 9-11, 11-3
N15102 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15105 4-3, 4-5, 4-7, 4-9, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15107 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15114 2-10, 2-11
N15135 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-51
N15196 5-7
N15410 5-4
N15462 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N15594 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15595 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15715 5-4
N15716 1-3, 1-5, 1-7, 1-9, 2-10, 2-11, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 5-4
N15757 2-5, 2-8, 4-53, 4-54
N15930 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N15982 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-5, 9-9, 9-11
N15983 6-9, 6-11, 6-13, 6-15
N15991 5-9, 5-11, 5-13, 5-15, 9-3, 9-5, 9-7, 9-9, 9-11
N16025 3-2, 3-3
N16113 2-4, 2-8
N16143 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N16146 5-7
N16156 2-4, 2-8
N16181 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N16226 1-11, 1-17, 1-19
N16263 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 7-3, 9-3, 9-5, 9-7, 9-9, 9-11
N16265 5-9, 5-11, 5-13, 5-15, 9-3, 9-5, 9-7, 9-9
N16346 5-9, 5-11, 9-3, 9-5
N16359 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N16388 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N16399 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N16454 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N16504 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N16507 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N16608 5-7, 5-9, 5-11, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-11
N16621 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N16689 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N16698 9-17
N16708 7-3
N16709 7-3

N16710 7-3
N16712 7-3
N16716 7-3
N16731 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-5, 9-9, 9-11
N16853 2-5, 2-9
N16862 2-4, 2-8, 2-20
N16893 2-5, 2-9, 2-15
N16903 2-4, 2-8
N17217 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N17232 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
N19000 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46
N19007 5-4
N19008 5-4
N19009 5-4
N19010 5-4
N19020 6-9, 6-11, 6-13
N19023 5-9, 5-11, 5-13, 5-15, 9-3, 9-5, 9-7, 9-9
N19029 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25
N19030 4-3, 4-5, 4-7, 4-9, 4-11, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19031 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-3, 9-5, 9-7, 9-9, 9-11
N19032 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
N19033 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
N19034 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
N19039 4-3, 4-5, 4-7, 4-9, 4-11
N19042 4-3, 4-5, 4-7, 4-9, 4-11
N19049 1-11
N19051 1-11, 1-17, 1-19
N19054 1-11, 1-17, 1-19
N19055 1-11, 1-17, 1-19
N19058 1-19, 1-25, 11-3
N19065 1-11, 1-17, 1-19
N19072 5-4
N19083 6-3
N19084 5-4, 7-3
N19108 1-3, 1-5, 1-7, 1-9
N19109 1-3, 1-5, 1-7, 1-9
N19127 1-3, 1-5, 1-7, 1-9
N19166 1-11, 1-14, 1-17, 1-19, 1-21
N19167 3-2, 3-3
N19168 3-2, 3-3
N19169 3-2, 3-3
N19170 3-2, 3-3
N19171 3-2, 3-3
N19172 3-2, 3-3
N19173 1-13, 1-14, 3-2, 3-3
N19174 1-13, 1-14, 3-2
N19192 6-5, 6-9, 6-11, 6-13
N19195 6-3, 6-5, 6-15
N19196 1-11, 1-17, 1-19
N19203 1-11, 1-17, 1-19
N19211 1-3, 1-5, 1-7, 1-9
N19219 2-4
N19220 2-4, 2-8
N19221 2-4
N19223 1-13, 2-4, 2-8
N19224 1-13, 2-4, 2-8
N19230 2-4, 9-13
N19232 2-4, 2-8
N19237 1-13, 2-4, 2-8, 2-12, 2-13
N19258 2-4, 2-8
N19261 2-4, 2-8, 2-13
N19269 2-10, 2-11
N19283 2-4, 2-8, 2-12, 9-13, 9-15
N19288 2-4, 2-8
N19295 5-4
N19307 1-11, 1-13, 1-14, 1-17, 1-19
N19312 5-4
N19317 5-4
N19318 5-4
N19334 5-4
N19336 5-11, 9-3, 9-5
N19337 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N19338 5-11, 9-3, 9-5
N19339 5-11
N19340 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N19341 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N19342 5-9, 5-11
N19343 5-9, 5-11, 9-3, 9-5
N19344 5-9, 5-11, 9-3, 9-5
N19345 9-3, 9-5, 9-7, 9-9, 9-11
N19346 5-9, 5-11, 9-3, 9-5
N19348 5-9
N19350 5-4
N19357 5-9, 5-11, 9-3, 9-5
N19365 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
N19366 1-3, 1-5, 1-7, 1-9
N19368 1-11, 1-17, 1-19
N19369 5-4, 7-3
N19375 5-4
N19380 5-4
N19388 5-4
N19395 4-3, 4-5, 4-7, 4-9, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19398 4-3, 4-5, 4-7, 4-9, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19406 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19409 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19410 4-3, 4-5, 4-13, 4-16, 4-31, 4-34, 4-42, 4-46
N19423 1-11, 1-13, 1-14
N19428 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19432 5-11, 9-3, 9-5
N19434 5-9, 5-11, 9-3, 9-5
N19437 1-3, 1-5, 1-7, 1-9
N19442 5-9, 5-11, 9-3, 9-5
N19443 5-9, 5-11, 9-3, 9-5
N19448 1-11, 1-17, 1-19, 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19449 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-13, 9-15
N19451 5-9, 5-11, 9-3, 9-5
N19452 5-9, 5-11, 9-3, 9-5
N19454 5-7
N19458 5-7, 5-9, 5-11, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-11
N19460 2-4, 2-8, 2-12, 2-13, 9-13, 9-15
N19463 7-3
N19470 2-20
N19475 5-9, 5-11, 9-3, 9-5
N19480 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N19481 6-3, 6-5, 6-15
N19484 3-2, 3-3, 3-4
N19496 1-3, 1-5, 1-7, 1-9
N19498 7-3
N19499 7-3
N19500 7-3
N19501 7-3
N19502 7-3
N19505 7-3
N19520 5-4
N19531 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19546 5-13, 5-15
N19548 5-17, 5-19, 5-21, 5-22, 9-11
N19549 5-15, 5-17, 5-19, 5-21, 9-3, 9-7, 9-9, 9-11
N19563 1-3, 1-5, 1-7, 1-9
N19564 7-3
N19565 7-3
N19573 4-3, 4-5, 4-7, 4-9, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19575 4-7, 4-9, 4-19, 4-22, 4-25, 4-28, 4-37, 4-40
N19577 1-13, 2-4, 2-8, 2-13
N19578 5-9, 5-11, 5-13, 5-15, 9-3, 9-5
N19586 3-2, 3-3
N19605 10-6
N19660 5-4
N19677 5-4
N19678 1-3
N19687 2-4, 2-8, 2-10, 2-11, 9-13, 9-15
N19693 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19700 4-3, 4-5, 4-7, 4-9, 4-11

N19706 2-4, 2-8, 2-12, 2-13, 9-13, 9-15
N19708 3-2, 3-3
N19709 3-2, 3-3
N19713 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N19717 1-11, 1-17, 1-19, 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N19723 1-3, 5-5
N19726 1-3, 1-5, 1-9
N19727 3-2, 3-3
N19736 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N19737 6-3, 6-5, 6-11, 6-13, 6-15
N19745 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N19760 2-8, 9-15
N19770 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-49
N19774 2-12, 2-13
N19777 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N19778 6-3, 6-5, 6-9, 6-13, 6-15
N19784 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N19788 6-3, 6-8, 6-15
N19791 1-3, 1-5, 1-7, 1-9
N19794 1-11
N19795 1-11, 1-13, 1-14
N19796 1-11
N20772 1-11, 1-17, 1-19
N21008 1-11
N21024 2-13
N21055 4-49
N21057 4-49
N21060 4-49
N21061 4-49
N21076 6-8
N21077 6-3
N21079 6-3, 6-5, 6-15
N21080 4-49
N21081 1-13
N21189 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N21266 1-3, 1-5, 1-7, 1-9
N21287 2-20
N21288 2-4, 2-8, 9-13, 9-15
N21293 6-3, 6-5, 6-8, 6-11, 6-15
N21294 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N21300 1-17, 1-19
N21336 5-4
N21396 5-4
N21450 1-3, 1-5, 1-7, 1-9
N21475 1-3, 1-5, 1-9, 5-9, 5-11
N21538 2-20, 9-17
N21539 2-20, 9-17
N21602 2-10, 2-11
N21604 1-3, 1-5, 1-7, 1-9
N21612 2-10, 2-11
N21632 5-9, 5-11, 9-3, 9-5
N21633 5-4
N21659 2-10, 2-11
N21672 2-8
N21690 5-7, 5-9, 5-11, 9-3, 9-5
N21691 5-7, 5-9, 5-11, 9-3, 9-5
N21706 6-13
N21721 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11
N21735 6-8, 6-11, 6-13
N21746 4-46
N22777 2-4, 2-8, 9-13, 9-15
N22778 2-5, 2-9, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-52, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-13, 9-15
N22793 1-11, 1-17, 1-19
N22794 1-11, 1-17, 1-19
N22797 1-11, 1-17, 1-19
N22799 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N22800 1-11, 1-17, 1-19
N22802 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N22809 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N23188 6-15
N24301 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25
N24309 4-49
N24311 4-49
N24396 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N24412 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25
N24421 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N24583 2-20
N24595 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-5, 9-9, 9-11
N24774 2-4, 2-8
N24775 1-17, 1-19, 1-21, 1-23, 1-25
N24779 2-5, 2-9, 9-13, 9-15
N24780 2-4, 2-8, 9-13, 9-15
N24782 2-4, 2-8
N24792 1-3, 1-5, 1-7, 1-9
N25319 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-5, 9-9, 9-11
N25457 1-5, 1-7, 1-9
N25475 1-17, 1-19
N25479 3-4
N25507 5-11, 5-15, 5-17, 5-19, 5-21, 7-4, 9-9, 9-11
N25508 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 7-4, 9-9, 9-11
N25544 6-3, 6-5, 6-15
N25595 6-8
N25616 3-3
N25617 3-4
N25644 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N25668 6-8, 6-13
N25741 6-8
N25753 6-8
N25754 5-9, 5-11, 9-3, 9-5
N25755 3-4
N27000 1-11
N27001 1-11, 1-13, 1-14, 1-21
N27002 1-11, 1-13, 1-14, 1-21
N27005 1-3, 1-5, 1-7, 1-9
N27006 9-17
N27007 9-17
N27008 9-17
N27009 9-17
N27010 9-17
N27011 2-5, 2-9, 2-20
N27012 2-5, 2-9, 2-20
N27013 2-5, 2-9
N27014 2-5
N27015 2-5, 2-9
N27020 1-21
N27021 1-17, 1-19, 1-23, 1-25
N27025 1-11, 1-13, 1-14
N27030 1-11
N27035 1-11, 1-13, 1-14
N27041 1-17, 1-19, 1-21, 1-23, 1-25
N27042 1-17, 1-19, 1-21, 1-23, 1-25
N27045 4-3, 4-5, 4-7, 4-9, 4-11, 4-37, 4-42
N27050 4-3, 4-7, 4-11
N27059 1-17, 1-19
N27060 1-23, 1-25
N27065 1-17, 1-19
N27070 1-11, 1-17, 1-19, 1-21, 1-23, 1-25
N27080 1-3, 1-5, 1-7
N27087 2-10, 2-11
N27088 2-10, 2-11
N27089 2-10, 2-11
N27090 2-10, 2-11
N27097 2-10, 2-11
N27098 2-10, 2-11
N27099 2-10, 2-11
N27100 1-7, 2-10
N27141 1-3
N27142 1-3
N27143 1-3
N27155 1-3, 1-5, 1-7, 1-9
N27191 1-3, 1-9
N27192 1-3, 1-9
N27193 1-3, 1-9
N27251 1-5
N27252 1-5
N27253 1-5
N27311 1-5
N27312 1-5
N27313 1-5
N27329 4-3, 4-5, 4-7, 4-9, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46
N27330 4-3, 4-13
N27335 4-13
N27336 1-3
N27337 1-3, 1-9
N27338 1-5
N27339 1-5
N27340 4-3, 4-13
N27345 4-13
N27350 2-5, 2-9
N27360 1-3, 1-5, 1-7, 1-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46
N27370 2-5, 2-9

N27375 1-3, 1-9
N27380 1-3, 1-9
N27385 1-5
N27390 1-5
N27395 2-5, 2-9
N27400 2-4, 2-8
N27401 2-4, 2-8
N27402 2-4, 2-8, 2-20
N27403 2-4, 2-8
N27404 2-4, 2-8
N27405 2-4, 2-8
N27406 2-4, 2-8
N27410 2-4, 2-8
N27411 2-4, 2-8, 9-13, 9-15
N27412 2-5, 2-9
N27413 2-5, 2-9
N27414 2-5, 2-9
N27415 2-5, 2-9
N27416 2-5, 2-9
N27417 2-5, 2-9
N27418 2-5, 2-9
N27419 2-5, 2-9
N27420 2-5, 2-9
N27421 2-5, 2-9
N27422 2-5, 2-9
N27423 2-5, 2-9
N27424 2-4, 2-5, 2-8, 2-9
N27425 2-4, 2-8, 2-9
N27426 2-4, 2-5, 2-8, 2-9
N27427 2-5, 2-9
N27428 2-4, 2-5, 2-9
N27429 2-5, 2-9
N27430 2-5, 2-9
N27431 2-5, 2-9
N27432 2-5, 2-9
N27433 2-5, 2-9
N27434 2-5, 2-9
N27435 2-4, 2-5, 2-9
N27436 2-5, 2-9
N27437 2-5, 2-9
N27438 2-5, 2-9
N27439 2-5, 2-9
N27440 2-4, 2-5, 2-9
N27441 2-5, 2-9
N27442 2-5, 2-9
N27443 2-5, 2-9
N27444 2-5, 2-9
N27445 2-5, 2-9
N27450 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N27455 1-3, 1-5, 1-7, 1-9
N27460 4-13, 4-19
N27465 1-11, 1-17, 1-19
N27466 5-5
N27470 1-3
N27475 1-3, 1-9
N27480 1-5
N27485 1-5
N27490 4-3, 4-5
N27495 4-13, 4-16
N27586 10-2
N27589 5-7, 5-9, 5-11, 9-3, 9-5
N27590 1-3
N27591 1-3, 1-5, 1-7
N27592 1-5, 1-7
N27593 1-3
N27594 1-3
N27595 1-5, 1-7
N27596 1-5, 1-7
N27600 2-4, 2-8
N27601 5-9, 5-11, 9-3, 9-5
N27602 5-9, 5-11, 9-3, 9-5
N27605 2-10, 2-11
N27608 9-17
N27613 9-17
N27614 9-17
N27625 9-17
N27626 1-13, 2-4
N27627 2-4
N27628 2-4
N27629 2-4
N27630 2-4, 2-8
N27631 2-12, 2-13
N27632 2-13
N27633 2-12, 2-13
N27635 5-4
N27636 5-4
N27639 6-3
N27645 6-3, 6-5, 6-15
N27650 6-8, 6-11
N27659 6-3, 6-15
N27665 6-8
N27669 6-8
N27675 6-8, 6-11
N27680 6-3, 6-5
N27685 6-8
N27689 6-8
N27695 6-8, 6-13
N27700 6-3, 6-5, 6-15
N27705 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N27706 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N27707 4-19
N27708 6-3, 6-8, 6-15
N27709 4-19, 4-22, 4-25, 4-28, 4-37, 4-40
N27715 1-3, 1-5, 1-7, 1-9
N27719 4-13, 4-16, 4-31, 4-34, 4-42, 4-46
N27721 4-13, 4-16, 4-31, 4-34, 4-42, 4-46
N27725 1-11, 1-13, 1-14
N27730 1-11
N27735 1-11, 1-13, 1-14
N27736 5-4
N27737 5-4
N27738 5-4
N27739 5-4
N27741 5-4
N27743 5-4
N27744 5-4
N27750 6-3
N27755 6-3, 6-5, 6-15
N27759 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N27760 6-8, 6-11, 6-13
N27761 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N27765 6-8
N27790 1-11
N27795 1-11
N27843 4-53, 4-54
N27847 2-20
N27848 2-20
N27849 2-12, 2-13
N27851 1-3, 1-5, 1-7, 1-9
N27852 1-3, 1-5, 1-7, 1-9
N27853 1-3, 1-5, 1-7, 1-9
N27856 1-3, 1-5, 1-7, 1-9
N27861 1-3, 1-5, 1-7, 1-9
N27862 1-3, 1-5, 1-7, 1-9
N27863 1-3, 1-5, 1-7, 1-9
N27864 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25
N27871 5-4
N27872 4-19, 4-22, 4-25, 4-28
N27873 5-4
N27874 5-4
N28039 2-20
N28079 2-20
N28099 2-20
N28121 4-26, 4-29, 4-32, 4-35
N28122 4-26, 4-29, 4-32, 4-35
N28190 7-3
N28199 9-17
N28302 4-13, 4-16, 4-31, 4-34, 4-42, 4-46
N28327 6-8, 6-11
N28328 6-8, 6-11, 6-13
N28332 5-17, 5-19, 5-22
N28370 1-21, 10-6
N28375 1-23, 10-6
N28390 10-6
N28492 2-10
N28575 6-8
N28577 6-8
N28658 5-9, 5-11, 9-3, 9-5
N28659 5-9, 5-11, 9-3, 9-5
N28667 1-3, 1-5, 1-7, 1-9
N28805 4-52
N28806 4-52
N28807 4-52
N28808 4-52
N28809 4-52
N28811 4-13, 4-16, 4-31, 4-34, 4-42, 4-46
N28812 4-53
N28813 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-44, 4-46
N28814 4-14, 4-17, 4-20, 4-22, 4-29, 4-32, 4-35, 4-44, 4-46
N28817 4-53
N28819 4-53, 4-54
N28820 4-53
N28822 4-53
N28823 4-53
N28824 4-13, 4-16, 4-19, 4-22, 4-53
N28825 4-19
N28831 1-3, 1-5, 1-7, 1-9, 2-10
N28901 9-17
N28902 2-20, 9-17
N28904 2-20
N28905 2-20
N28906 2-20
N28915 6-3, 6-5, 6-8, 6-15
N28920 6-8
N28924 2-11
N28925 3-2
N28926 3-2
N28927 2-11
N28928 2-11
N28929 2-11
N28930 1-21
N28953 10-6
N28954 10-6
N28960 10-6
N28962 10-6
N28966 10-6
N28971 10-6
N28994 10-6
N28997 10-6
N29048 1-3, 1-5, 1-7, 1-9, 11-3
N29049 1-3, 1-5, 1-7, 1-9
N29057 4-54
N29058 4-54
N29061 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40

N29062 4-14, 4-20, 4-29, 4-35
N29063 1-3, 1-5, 1-7, 1-9
N29080 4-52
N29099 1-9
N29143 9-17
N29144 2-20
N29151 9-17
N29152 9-17
N29153 9-17
N29200 2-8
N29201 1-9
N29276 3-2, 3-3
N29278 3-2, 3-3
N29280 1-3, 1-5, 1-9
N29294 3-2, 3-3
N29296 9-17
N29298 3-3
N29300 9-17
N29301 9-17
N29303 9-17
N29304 9-17
N29305 9-17
N29306 9-17
N29307 9-17
N29309 9-17
N29312 9-13, 9-15
N29313 9-13, 9-15
N29315 9-15
N29317 9-13, 9-15
N29318 9-13, 9-15
N29319 9-3, 9-5, 9-7, 9-9, 9-11, 9-13, 9-15
N29320 9-3, 9-5, 9-7, 9-9, 9-11, 9-17, 9-18
N29321 9-18
N29322 9-18
N29323 9-18
N29324 9-18
N29325 9-18
N29328 9-18
N29329 9-18
N29330 9-18
N29331 9-18
N29332 9-17
N29333 9-17
N29335 1-3, 1-5, 1-7, 1-9
N29336 9-13
N29337 9-13, 9-15
N29338 9-13, 9-15
N29340 9-13, 9-15
N29341 9-13, 9-15
N29342 9-13, 9-15
N29343 9-13, 9-15
N29345 9-13, 9-15
N29349 9-3, 9-5
N29354 9-3, 9-5, 9-7, 9-9, 9-11
N29355 9-13, 9-15
N29356 9-9
N29357 9-3, 9-5, 9-7, 9-9, 9-11
N29358 9-3, 9-5, 9-7, 9-9, 9-11
N29359 9-3, 9-5, 9-7, 9-9, 9-11
N29360 9-3, 9-5
N29361 9-3, 9-5, 9-7, 9-9, 9-11
N29362 9-3, 9-5, 9-7, 9-9, 9-11
N29363 9-3, 9-5, 9-7, 9-9, 9-11
N29364 9-3, 9-5, 9-7, 9-9, 9-11
N29365 9-3, 9-5, 9-7, 9-9, 9-11, 9-18
N29366 9-5, 9-9, 9-11
N29367 9-13, 9-15
N29368 9-13, 9-15
N29369 9-13, 9-15
N29370 9-17
N29371 9-13, 9-15
N29372 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 7-4, 9-3, 9-5, 9-7, 9-9, 9-11
N29373 5-9, 7-3
N29375 9-13, 9-15
N29380 1-3, 1-5, 1-7, 1-9
N29382 2-5, 2-9, 2-20, 9-17
N29383 2-5, 2-9
N29384 9-17
N29385 9-17
N29393 9-9
N29395 6-8, 6-11, 6-13
N29397 9-13, 9-15
N29398 9-13, 9-15
N29399 9-13, 9-15
N29400 9-17
N29457 2-11
N29459 5-4
N29461 5-4
N29468 1-11, 1-17, 1-19
N29472 4-52
N29479 1-5, 1-7, 1-9
N29485 4-54
N29486 4-54
N29696 9-17
N29737 6-8
N29962 5-7, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N29963 5-7, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N29964 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N30068 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-52
N30594 2-5, 2-9, 2-20
N30746 11-3
N30948 2-15
N30949 2-15
N30950 2-15
N30951 2-15
N30952 2-15
N30953 2-15
N30957 2-15
N30958 2-15
N31012 4-51
N31014 4-51
N31016 4-51
N31019 6-3, 6-8, 6-15
N31020 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N31032 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N31033 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N31034 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N31040 2-20
N31051 5-4
N31096 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11
N31160 4-51
N31161 4-51
N31162 4-51
N31163 4-51
N31165 4-51
N31171 4-51
N31172 4-51
N31173 4-51
N31174 4-51
N31177 4-51
N31178 4-51
N31179 4-51
N31180 4-51
N31187 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-51
N31188 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-51
N31189 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-51
N31190 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-51
N31209 2-19, 4-11
N31313 10-6
N31314 5-21, 9-11
N31342 9-7, 9-9
N31426 11-3
N31495 2-20
N31496 2-20
N31503 1-9
N31506 1-9
N31509 2-8
N31513 1-9
N31518 6-15
N31520 1-9
N31525 1-19, 1-25
N31527 1-19, 1-25
N31530 1-19, 1-25
N31531 1-25
N31532 1-19, 1-25
N31533 1-19, 1-25
N31535 1-17, 1-19, 1-23, 1-25
N31536 4-5, 4-16, 4-31, 4-34, 4-42, 4-46
N31537 4-5, 4-9, 4-16, 4-22, 4-25, 4-28, 4-31, 4-34
N31538 4-16, 4-31, 4-34, 4-42, 4-46
N31539 4-22, 4-25, 4-28
N31540 2-8
N31542 5-13, 5-15
N31545 6-15
N31546 6-15
N31548 1-9
N31549 1-9
N31550 9-17
N31551 9-17
N31603 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
N31604 9-3, 9-5, 9-7, 9-9
N31605 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 9-5, 9-9, 9-11

N31606 9-5, 9-9
N31609 1-9
N31623 1-9
N31624 5-4
N31625 9-3, 9-5, 9-7, 9-9
N31626 1-9
N31628 6-5, 6-15
N31682 2-8
N31695 1-19, 1-25
N31696 1-9
N31706 1-3
N31707 1-5, 1-7
N31708 1-5, 1-7
N31743 2-8, 9-15
N31760 6-15
N31763 6-9, 6-11, 6-13, 6-15
N31765 6-8, 6-11, 6-13
N31767 6-15
N31768 6-9
N31769 6-15
N31772 6-15
N31773 6-15
N31774 6-9, 6-11, 6-13, 6-15
N31775 6-9, 6-11, 6-13
N31776 2-8, 9-15
N31777 2-8
N32001 11-3
N32040 11-3
N32041 11-3
N32045 4-37, 4-40, 4-42, 4-46
N32048 4-40
N32049 4-37, 4-40
N32052 1-9
N32053 11-3
N32060 2-15
N32061 2-15
N32062 2-15, 2-17
N32065 2-15
N32068 2-15
N32069 5-21, 9-11, 10-10
N32101 2-15, 2-17, 2-18, 2-19
N32102 2-15, 2-17, 2-18, 2-19
N32104 2-15, 2-17
N32105 2-15, 2-17
N32106 2-15, 2-17
N32107 2-15, 2-17
N32110 2-15, 2-17
N32175 4-54
N32180 4-54
N32183 4-54
N32394 4-29, 4-35, 4-40, 4-46
N32396 4-31, 4-34, 4-42, 4-46
N32440 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-54
N32442 4-54
N32444 4-54
N32456 2-5, 2-9
N32457 2-5, 2-9, 2-17, 2-18, 2-19
N32458 2-20
N32459 2-20
N32460 2-20
N32464 9-17
N32465 9-17
N32466 2-5
N32467 2-5, 2-9
N32472 9-17
N32473 9-17
N32474 9-17
N32475 9-17
N32476 9-17
N32477 9-17
N32478 9-17
N32481 2-17, 2-18, 2-19
N32482 2-17, 2-18
N32483 2-17, 2-18, 2-19
N32499 4-37, 4-40, 4-44, 4-46
N32501 4-26, 4-29, 4-38, 4-40
N32512 5-9, 5-11
N32517 9-3, 9-5, 9-7, 9-9, 9-11, 9-13, 9-15
N32735 10-6
N32750 4-38, 4-40, 4-44, 4-46
N32769 1-3, 1-5, 1-7, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
N32770 1-3, 1-5, 1-7, 1-9
N32772 2-17
N32774 2-17
N32775 2-17
N32776 2-17
N32777 2-20
N32778 2-20
N32779 2-20
N32780 2-20
N32781 2-17
N32782 2-17
N32785 2-17
N32786 2-17
N32799 9-13, 9-15
N32967 4-49
N32968 4-49
N32974 4-54
N33159 4-25, 4-31, 4-37, 4-42
N33160 4-28, 4-34, 4-40, 4-46
N33198 5-13, 5-15
N33361 4-3, 4-13
N33362 4-13
N33553 6-3, 6-5, 6-11, 6-13, 6-15
N33748 1-21, 1-23, 1-25
N33749 1-21, 1-23, 1-25
N34000 6-5
N34005 6-5
N34008 4-11
N34010 4-11
N34011 4-11
N34012 4-11
N34015 4-11
N34020 6-5
N34021 4-11
N34023 4-11
N34024 4-11
N34025 4-11
N34026 5-19, 5-21, 9-11
N34033 4-11
N34041 6-11, 6-13
N34045 6-11, 6-13
N34047 5-19, 5-21, 9-11
N34048 5-19, 5-21, 9-11
N34049 6-5
N34051 5-19, 5-21, 9-11
N34052 5-19, 5-21, 9-11
N34056 4-11
N34067 6-11
N34069 6-11
N34072 6-11
N34087 5-19, 5-21, 9-11
N34251 6-8
N34281 1-3, 1-5, 1-7, 1-9
N34288 5-19, 5-21, 9-11
N34290 4-11
N34291 4-11
N34298 10-2
N34299 10-2
N34354 10-2
N34355 4-11
N34356 4-11
N34359 2-19
N34361 10-6
N34362 5-19, 10-10
N34363 5-19, 10-10
N34364 5-19, 5-21, 9-11
N34366 5-19, 5-21, 9-11
N34396 10-2
N34398 10-2
N34399 10-2
N34456 10-2
N34476 1-3, 1-5, 1-7, 1-9, 11-3
N34477 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 11-3
N34478 1-3, 1-5, 1-7, 1-9, 11-3
N34550 10-6
N34554 10-6
N34731 2-17
N34742 1-11, 1-17, 1-19
N34779 6-13
N34788 6-13
N34855 1-13, 1-14
N34860 1-13, 1-14
N34865 1-13
N34870 1-13
N34875 1-13
N34880 1-14
N34885 1-13
N34890 1-13, 1-14
N34895 1-13, 1-14
N34905 1-13, 1-14
N34910 1-13
N34915 1-13
N34919 1-13
N34920 1-13
N34921 1-13
N34922 1-13
N34925 1-13
N34928 1-13, 1-14
N34929 1-13, 1-14
N34930 1-13, 1-14
N34933 1-13, 1-14
N35619 2-17
N35620 2-17
N36191 10-4
N36195 10-4
N37010 9-17
N37330 9-17
N37435 1-17, 1-19, 1-21, 1-23, 1-25
N37569 6-13
N37570 6-13
N37742 7-4
N37900 9-11
N38962 9-18
N38963 9-18
N40472 2-17
N40502 1-13
N40503 1-13, 1-14
N40509 5-21, 9-11
N40705 1-13
N41220 2-18
N41221 2-18
N42127 2-10, 2-11
N42128 2-10, 2-11
N42129 2-10, 2-11
N42130 2-10, 2-11
N42166 2-4
N42220 1-3, 1-5, 1-7, 1-9
N42365 9-3, 9-5, 9-7, 9-

9, 9-13
N42507 1-7
N42525 6-13
N42530 6-13
N43471 6-16
N44050 1-7
N44060 1-7
N44070 1-7
N44080 6-8
N44090 1-7
N44100 1-7
N44140 4-13, 4-19
N44143 6-13
N44690 7-4
N44734 2-5
N44955 5-9, 5-11, 9-3, 9-5
N44956 5-9, 5-11, 9-3, 9-5
N45035 7-4
N45040 7-4
N45125 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
N45240 6-16
N45242 6-16
N45424 6-13

## P

P106023 1-13, 1-14
P1318510 1-21, 1-23, 1-25, 2-5, 2-9, 9-13, 9-15, 10-4
P7C616 2-15, 2-17

## R

R480031 5-4
R480034 1-11, 1-17, 1-19, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
R480055 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46
R480069 5-4
R480070 5-4

## S

S-1115 1-11, 1-13, 1-14
S-1189 1-11, 1-17, 1-19, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11
S-1191 10-2
S-1192 1-13
S-1198 2-4, 2-8, 4-35, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-13, 9-15
S-1201 4-54
S-1292 1-3, 1-5, 1-7, 1-9, 6-13, 6-16
S-1302 5-19, 5-21, 9-11
S-1303 5-11, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-3, 9-5, 9-7, 9-9, 9-11
S-1925 1-13, 1-17, 1-19, 1-23, 1-25, 6-16
S-3001 6-15
S-4747 7-3
S-4781 2-20
S-747 4-54
S-748 2-5, 2-9
S-751 4-11, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 5-9, 5-11
S-752 2-5, 2-9, 3-4, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-13, 9-15
S-776 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 5-5, 5-9, 5-11, 9-3, 9-5
S-951 1-11, 1-17, 1-19, 1-21, 1-23, 1-25, 6-16
S10730 1-13, 2-5, 2-9, 2-12, 2-13, 9-13, 9-15
S10954 2-4, 2-8
S10955 2-4, 2-8
S13336 2-15, 2-17, 2-18
S13337 5-9, 5-11, 9-3, 9-5
S25999 5-21, 9-11, 10-10, 10-14
S27987 9-13, 9-15
S29378 1-11, 1-13, 1-14, 1-17, 1-19
S29958 5-17, 5-19, 5-21, 5-22, 9-11
S29959 5-17, 5-19, 5-21, 5-22, 9-11
S29960 5-17, 5-19, 5-21, 5-22, 9-11
S29961 5-17, 5-19, 5-21, 5-22, 9-11
S39549 2-18
S39948 2-18
S39949 2-18

## T

T-5276 10-6

## W

W-131 1-21, 1-23, 1-25, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
W-1540 2-4, 2-8
W-1552 4-29, 4-35, 4-40, 4-44, 4-46, 7-3
W-1553 10-2
W-1558 1-3, 1-5, 1-9
W-1575 6-9, 6-11, 6-13
W-1628 1-11, 1-17, 1-19
W-1663 2-4, 2-8, 2-13
W-1847 9-3, 9-5, 9-7, 9-9, 9-11, 9-17
W-1854 2-4, 2-8, 11-3
W-187 1-3, 1-5, 1-7, 1-9, 2-4, 2-8, 4-53, 4-54, 5-5, 5-13, 5-15, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 6-16
W-3022 5-7
W-3328 3-2, 3-3
W-4181 1-13
W-469 2-4, 2-8, 2-20, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-31, 4-34, 4-37, 4-40, 4-42, 4-46, 4-51, 5-7, 5-9, 5-11, 5-17, 5-19, 5-21, 5-22, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15, 7-3, 9-3, 9-5, 9-11, 9-17
W-470 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-52, 6-3, 6-5, 6-8, 6-11, 6-13, 6-15
W-471 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46
W-472 1-3, 1-5, 1-7, 1-9
W-473 1-3, 1-5, 1-7, 1-9
W-475 1-3, 1-5, 1-7, 1-9, 4-3, 4-5, 4-13, 4-16, 4-31, 4-35, 4-44, 4-46, 5-5, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 11-3
W-476 7-3
W-477 2-10, 2-11, 5-5
W-478 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
W-479 1-3, 1-5, 1-7, 1-9, 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11, 10-6
W-480 1-11, 1-17, 1-19, 2-9, 4-11
W-481 2-4, 2-8, 2-13
W-485 11-3
W-486 7-3
W-488 1-21, 1-23, 1-25, 5-5, 9-13, 9-15
W-489 10-6
W-490 1-3, 1-5, 1-7, 1-9
W-492 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 6-16
W-493 1-13, 6-3, 6-9, 6-11, 6-13, 6-15
W-494 1-11, 1-13, 1-14, 1-17, 1-19
W-495 6-5
W-496 1-17, 1-19, 1-23, 1-25, 4-3, 4-5, 4-7, 4-9, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-32, 4-37, 4-40, 4-44, 4-46
W-497 1-11, 1-13, 1-14, 2-15, 2-17, 5-13, 5-15
W-498 2-5, 2-9
W-500 1-11, 1-13, 1-14
W-502 2-4, 2-8, 2-13
W-503 2-4, 2-8
W-509 1-13, 1-14
W-512 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-49, 4-51, 5-7, 5-9, 5-11, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-7, 9-9, 9-11, 9-17
W-513 1-3, 1-5, 1-7, 1-9, 1-11, 1-13, 1-14, 5-7, 5-9, 5-11, 5-15, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-7, 9-9, 9-11
W-514 1-3, 1-5, 1-7, 1-9, 1-11, 1-17, 1-19, 2-5, 2-9, 2-12, 2-13, 2-15, 2-17, 2-18, 2-19, 2-20, 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-49, 5-5, 5-7, 5-9, 5-11, 5-13, 5-15, 5-19, 5-21, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-3, 9-5, 9-11, 9-13, 9-15, 11-3
W-515 5-5
W-516 1-3, 1-5, 1-7, 1-9, 1-11, 1-13, 1-17, 1-19, 1-21, 1-23, 1-25, 2-5, 2-9, 4-3, 4-5, 4-7, 4-9, 4-11, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 5-5, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-9, 6-

11, 6-13, 6-15, 6-16, 7-3, 9-3, 9-5, 9-7, 9-9, 9-11, 9-13, 9-15, 11-3
W-517 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25, 2-5, 2-9, 2-13, 2-15, 2-17, 5-13, 5-15, 6-9, 6-11, 6-13, 6-15, 10-2, 10-4
W-518 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25, 10-2, 10-6
W-520 1-21, 1-23, 1-25
W-521 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-28, 4-32, 4-35, 4-37, 4-40, 4-44, 4-46, 4-49, 4-51, 5-7, 5-9, 5-11, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-7, 9-9, 9-11, 9-17
W-522 1-3, 1-5, 1-7, 1-9, 1-11, 1-13, 1-14, 2-10, 2-11, 5-7, 5-9, 5-11, 5-15, 5-17, 5-19, 5-21, 5-22, 9-3, 9-5, 9-7, 9-9, 9-11
W-523 1-3, 1-5, 1-7, 1-9, 1-11, 1-17, 1-19, 2-4, 2-8, 2-10, 2-11, 2-12, 2-13, 2-15, 2-17, 2-18, 2-19, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-19, 4-22, 4-25, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-49, 4-53, 4-54, 5-5, 5-7, 5-9, 5-11, 5-13, 5-15, 5-19, 5-21, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-3, 9-5, 9-11, 9-13, 9-15, 11-3
W-524 5-5
W-525 1-11, 1-13, 1-17, 1-19, 1-21, 1-23, 1-25, 2-4, 2-8, 4-3, 4-5, 4-7, 4-9, 4-11, 4-13, 4-16, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 5-5, 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 7-3, 9-3, 9-5, 9-7, 9-9, 9-11, 9-13, 9-15, 11-3
W-526 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25, 2-4, 2-8, 2-13, 2-15, 2-17, 5-13, 5-15, 6-11, 6-13, 10-2, 10-4
W-527 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25, 10-2, 10-6
W-535 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 10-6
W-538 2-19, 5-7, 5-9, 5-11, 5-15, 5-17, 5-19, 5-21, 5-22, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 9-3, 9-5, 9-9, 9-11
W-539 6-3, 6-5, 6-9, 6-11, 6-13, 6-15, 11-3
W-541 5-5, 10-6
W-544 7-3
W-558 1-11, 1-13, 1-14, 1-17, 1-19, 10-6
W-565 5-4
W-575 5-5
W-619 1-3, 1-5, 1-7, 1-9
W-629 1-11, 1-13, 1-14
W-7 1-21, 1-23, 1-25
W-793 2-4, 2-8, 6-9, 6-11, 6-13, 6-15
W-867 2-9, 2-15, 2-17, 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-44, 4-46, 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
W-907 6-3, 6-5, 6-9, 6-11, 6-13, 6-15
W14504 6-3, 6-5, 6-9, 6-11, 6-13, 6-15

Return to Main Index




**CORPORATE OFFICE AND TRAINING CENTRE**
2131 Airport Drive
Saskatoon, SK. Canada S7L 7E1
Tel: (306) 933-8585 Fax: (306) 933-8626
www.morris-industries.com

**MANUFACTURING AND RESEARCH & DEVELOPMENT**
85 York Road Yorkton, SK. Canada S3N 3Z4
Tel: (306) 783-8585 Fax: (306) 782-5250

**MANUFACTURING**
284 - 6th Ave. N.W.
Minnedosa, MB. Canada R0J 1E0
Tel: (204) 867-2713 Fax: (204) 867-2678

**UNITED STATES OFFICE**
P.O. Box 1117
Minot, ND. USA 58702-1117
Tel: 1-866-663-8515
Fax: 1-866-663-8535

The policy of Morris Industries Ltd. is one of continuing improvement, therefore, the company reserves the right to change any specification without notice.

November 2008 Printed in Canada