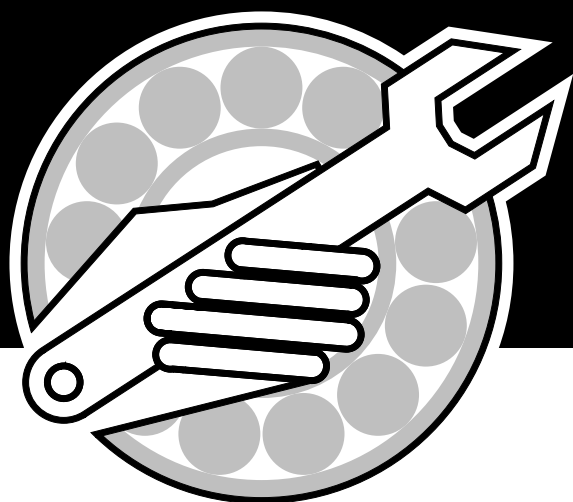




Parts Manual



7000 Series Air Cart

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 Rear Tank 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

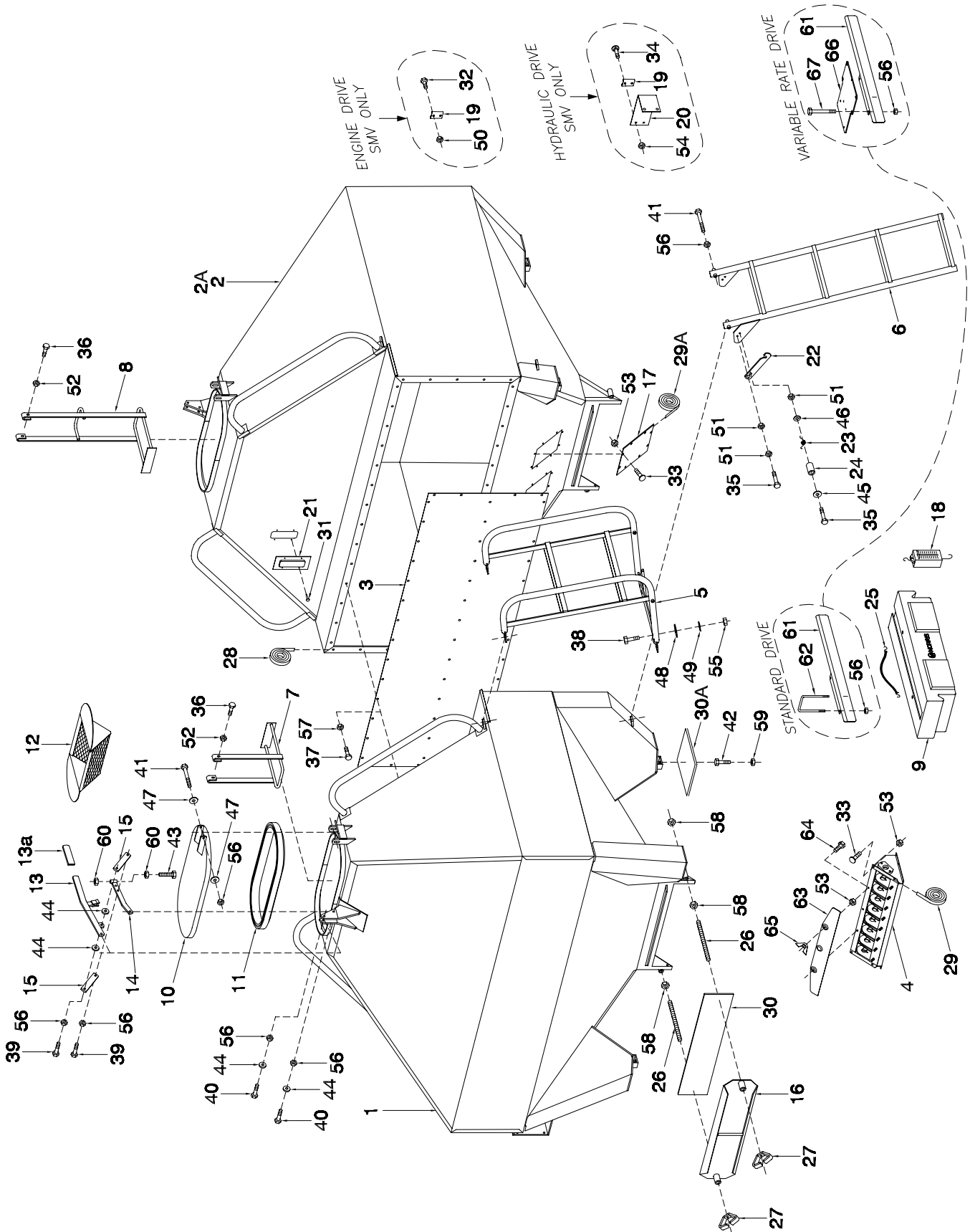
Notes

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

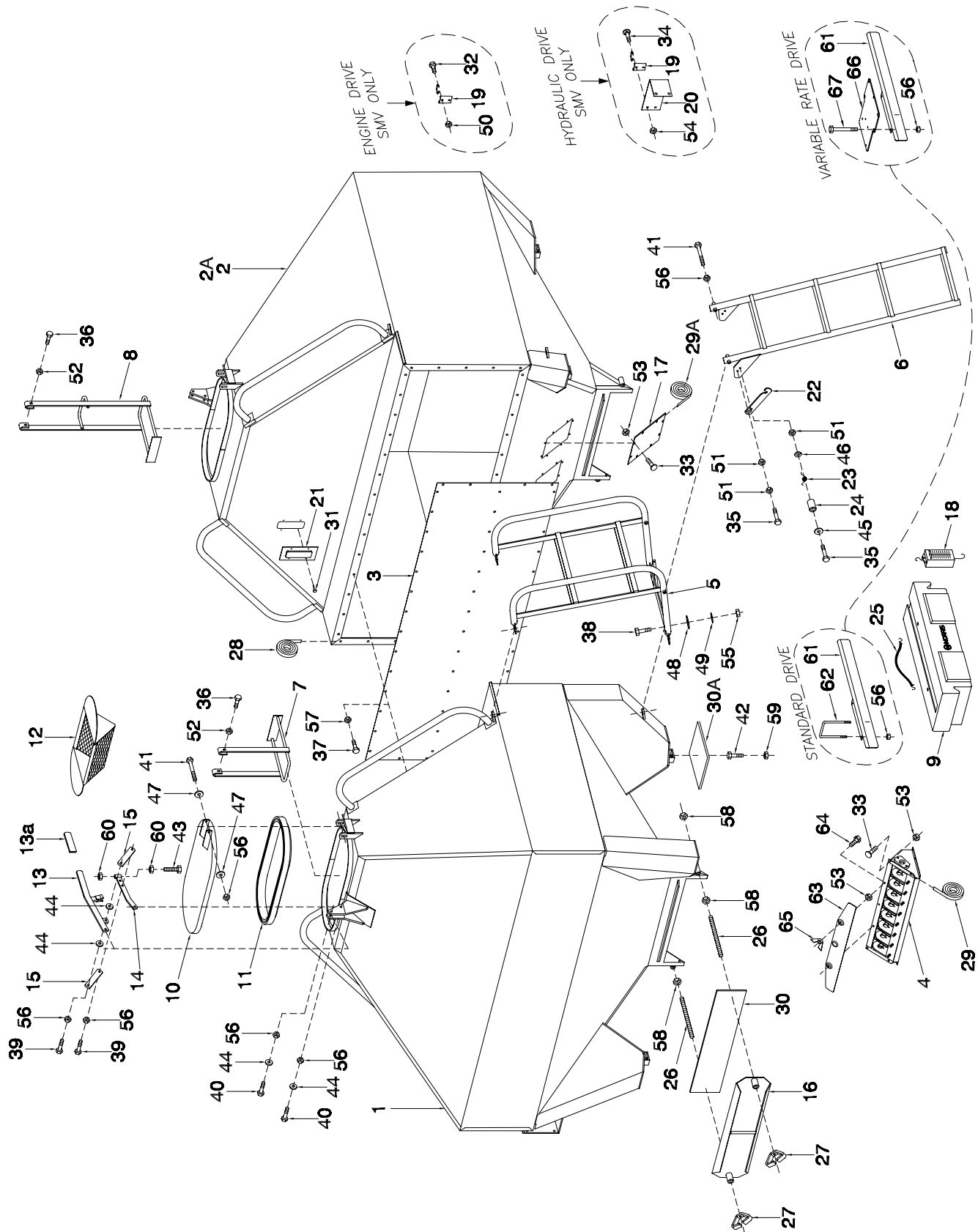
Hopper and Frame 7130 / 7180 Hopper Assembly



Hopper and Frame - 7130 / 7180 Hopper Assembly

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N27191	Hopper - Front 7180	1	39	W-619	Hex Bolt - 3/8 x 1 3/4 Lg	4
	N27141	Hopper - Front 7130	1	40	W-479	Hex Bolt - 3/8 x 2 1/4 Lg	4
2	N27192	Hopper - Rear (Hydraulic Drive) 7180	1	41	C-3918	Hex Bolt - 3/8 x 5 Lg	4
	N27142	Hopper - Rear (Hydraulic Drive) 7130	1	42	W-490	Hex Bolt - 1/2 x 2 1/2 Lg	8
2A	N27193	Hopper - Rear (Engine Drive) 7180	1	43	N19127	Lid Bolt - 1/2 x 2 3/4 Lg	2
	N27143	Hopper - Rear (Engine Drive) 7130	1	44	N21266	Washer - Wear - 1/4 x 1 1/2 Dia	8
3	N27337	Tank Panel 7180	1	45	D-5488	Flatwasher - 5/16 x 11/16 OD	1
	N27336	Tank Panel 7130	1	46	W-522	Lockwasher - 5/16	1
4	*****	Metering Body - 8 Outlet (See Section 2 page 10 & 11)	2	47	D-5489	Flatwasher - 3/8 x 13/16 OD	4
5	N27475	Handrail - Tank 7180	1	48	D-5579	Flatwasher - 3/8 x 1 OD	4
	N27470	Handrail - Tank 7130	1	49	W-523	Lockwasher - 3/8	4
6	N24792	Ladder 4 Step	1	50	D-5277	Locknut - 1/4 Serrated (Engine Drive ONLY)	1
7	N27375	Ladder - Inner - Front Tank 7180 ONLY	1	51	W-513	Hex Nut - 5/16	3
8	N27380	Ladder - Inner - Rear Tank 7180	1	52	D-5272	Locknut - 5/16 Unitorque 7180	4
	N27375	Ladder - Inner - Rear Tank 7130	1	53	D-5272	Locknut - 5/16 Unitorque 7130	2
9	N27005	Sample Collector	1	54	D-5278	Locknut - 5/16 Serrated	46
10	N27715	Lid	2	55	W-514	Hex Nut - 3/8	2
11	N19496	Lid Seal	2	56	M-3388	Locknut - 3/8 Unitorque	4
12	N19726	Screen (Optional)	2	57	D-5279	Locknut - 3/8 Serrated 7180	16
13	N32770	Handle - Tank Lid	2	58	D-5279	Locknut - 3/8 Serrated 7130	52
13A	N32769	Vinyl Grip	2	59	W-516	Hex Nut - 1/2	48
14	N19108	Link	2	60	F-3405	Locknut - 1/2 Unitorque	8
15	N19109	Link	4	61	S-1292	Jam Nut - 1/2	8
16	N27080	Door - Cleanout	2	62	N27856	Bracket - Sampler	4
17	N27455	Plate - Cover - Dual Outlet	4	63	N19723	U-Bolt - 3/8 x 4 1/16 x 6 15/16	1
18	N42220	Digital Scale	1	64	N28831	Cover Plate - Meter Body (For Fine Seeds)	2
19	N29280	Spring Scale (0 to 50 lb Capacity)	1	65	N29048	Hex Bolt - 5/16 x 1 Lg Stainless Steel	1
20	W-1558	Slow Moving Sign Socket	1	66	N29049	Wingnut - 5/16 Stainless Steel	2
21	N21475	Slow Moving Sign Bracket (Hydraulic Drive ONLY)	1	67	N29335	Bracket - Manifold Valve (Variable Rate Drive ONLY)	1
22	N19791	Sight Glass	2		N19678	Hex Bolt - 3/8 x 7 Lg (Variable Rate Drive ONLY)	4
23	N19211	Ladder Lock Arm	1		N27591	Decal - "MORRIS" (Not Shown) 7180	2
24	D-5098	Spring	1		N27590	Decal - "MORRIS" (Not Shown) 7130	2
25	N19366	Bushing - 1/2 OD x 0.334 ID x 5/8 Lg	1		N27594	Decal - "7180" (Not Shown)	1
26	N19563	Rubber Tie Strap - 10	2		N27593	Decal - "7130" (Not Shown)	1
27	N27155	Redi-Rod - 1/2 x 7 1/2 Lg	4		N34476	Reflector - Red (Not Shown)	2
28	N27360	Wing Locknut - 1/2	4		N34477	Reflector - Yellow (Not Shown)	4
29	N13900	Seal Strip - 3/16 x 1 3/4 (Bulk/ft) 7180	35.5 ft		N34478	Reflector - Orange (Not Shown)	4
29A	N15716	Seal Strip - 3/16 x 1 3/4 (Bulk/ft) 7130	31.5 ft		D-5721	Decal - "FERTILIZER" (Not Shown)	2
30	N15716	Seal Strip - 1/4 x 1 x 152 Lg (Bulk/ft)	2		N15094	Decal - Caution (Not Shown)	1
30A	N19437	Seal Strip - 1/4 x 1 x 38 Lg (Bulk/ft)	4		N21604	Decal - Important "CORROSION" (Not Shown)	2
31	N15716	Seal Strip - 3/8 x 7 x 26 1/2 Lg (Bulk/ft)	2		N27851	Rate Chart Decal - Slow Speed (Not Shown)	1
32	N19437	Seal Strip - 3/8 x 7 x 8 Lg (Bulk/ft)	8		N27852	Rate Chart Decal - Seed (Not Shown)	1
33	N21450	Pop Rivet - 1/8 x 1/2 Lg - Closed Head	8		N27862	Rate Chart Decal - Seed - Metric (Not Shown)	1
34	K-3830	Hex Bolt - 1/4 x 1/2 Lg (Engine Drive ONLY)	1		N27863	Rate Chart Decal - Seed - Metric (Not Shown)	1
35	D-5259	Carriage Bolt - 5/16 x 3/4 Lg	44		N27866	Rate Chart Decal - Fertilizer (Not Shown)	1
36	W-472	Hex Bolt - 5/16 x 1 1/4 Lg	2		N34281	Rate Chart Decal - Soybeans (Not Shown)	1
37	W-473	Hex Bolt - 5/16 x 1 1/2 Lg 7180	4		N29063	Rate Chart Decal - Sunflowers (Not Shown)	1
	W-473	Hex Bolt - 5/16 x 1 1/2 Lg 7130	2		N29380	Decal - "Cover Plate" (Not Shown)	1
38	W-475	Hex Bolt - 3/8 x 1 Lg 7180	52		N31706	Decal - "Rate Calibration" For Variable Rate Only (Not Shown)	1
	W-475	Hex Bolt - 3/8 x 1 Lg 7130	48			Decal - "7180 VRT" For Variable Rate Only (Not Shown)	1

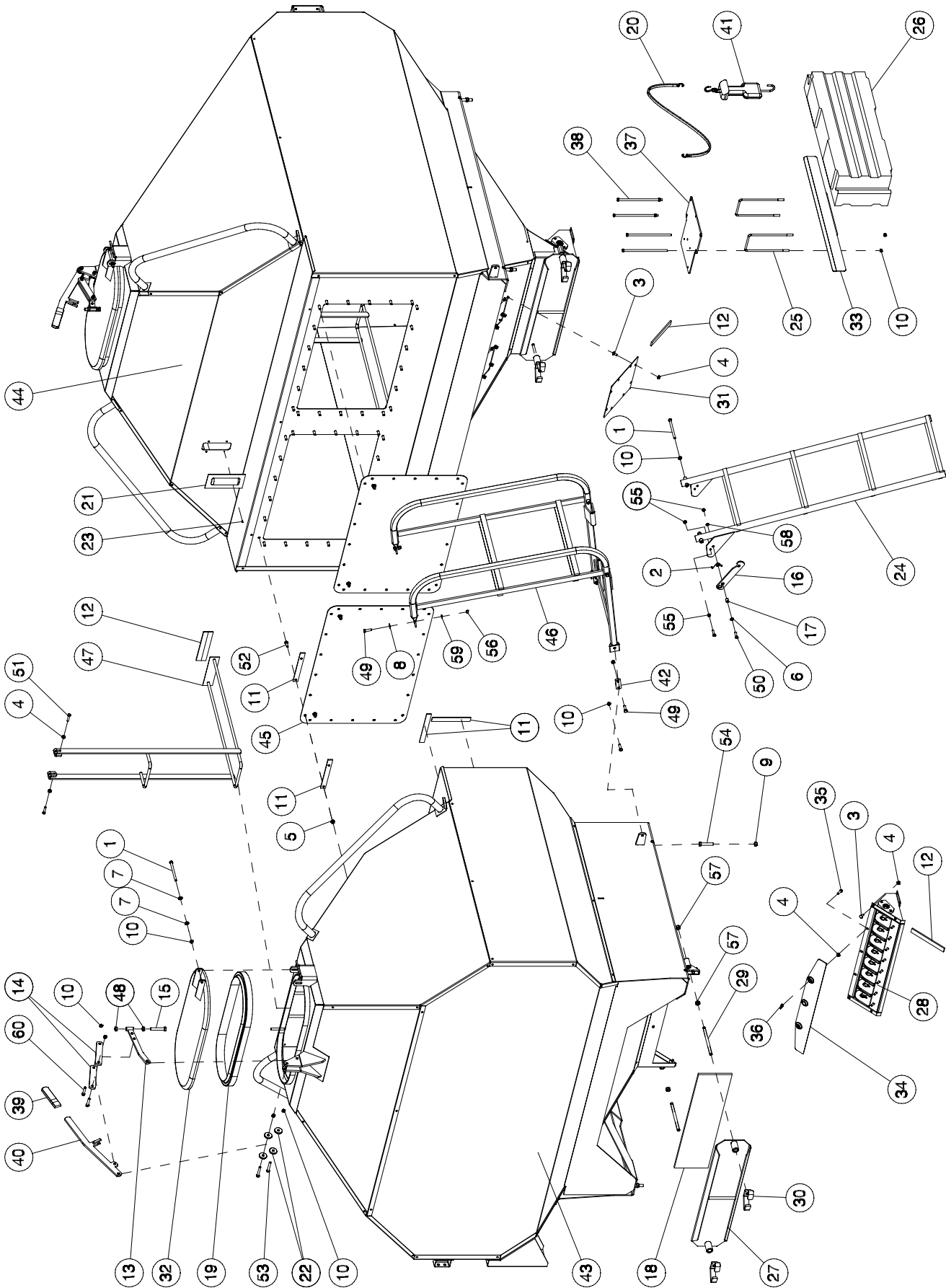
Hopper and Frame 7240 / 7300 Hopper Assembly - Prior to June 2007



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

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

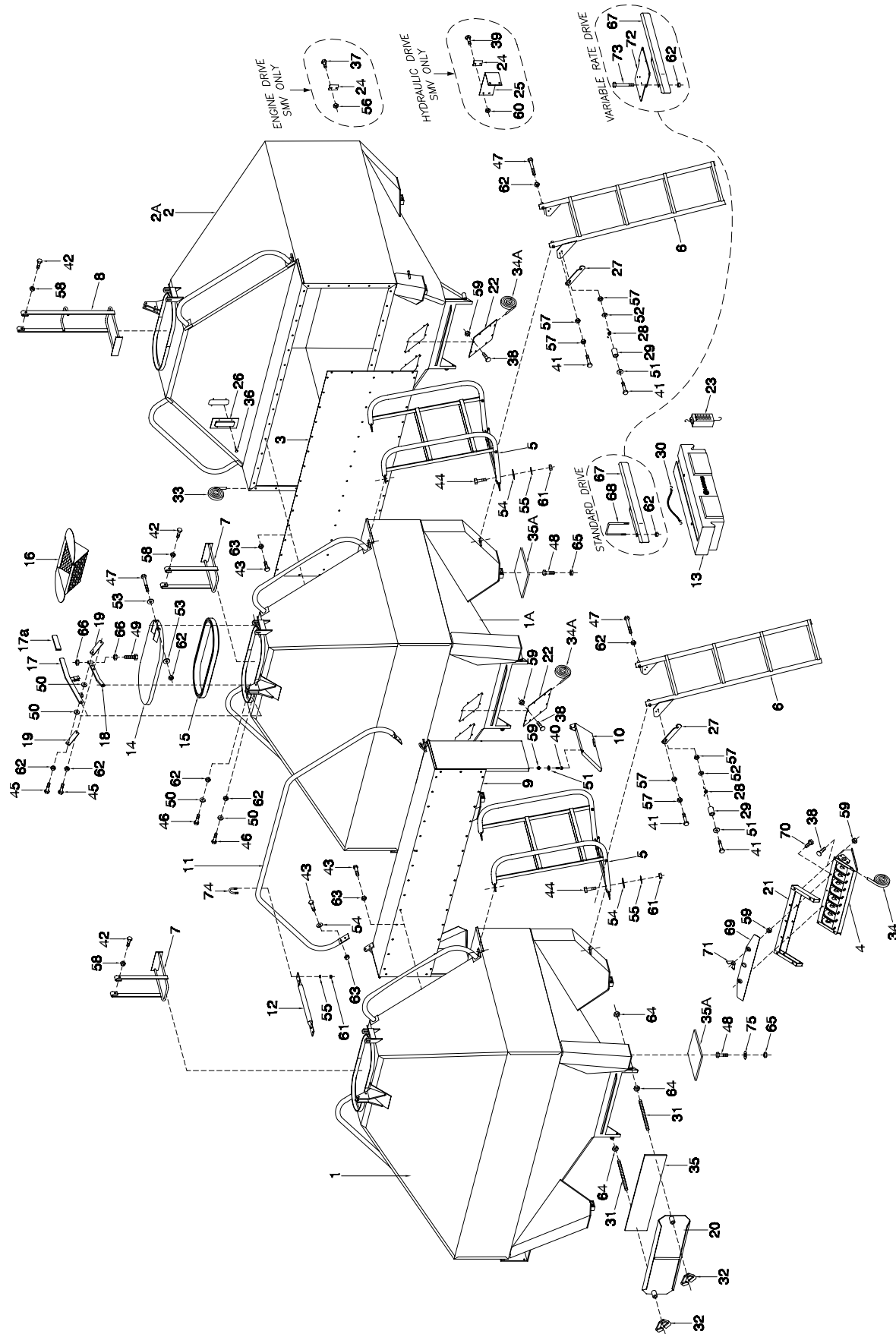
Hopper and Frame 7240 Hopper Assembly - June 2007



Hopper and Frame - 7240 Hopper Assembly - June 2007

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

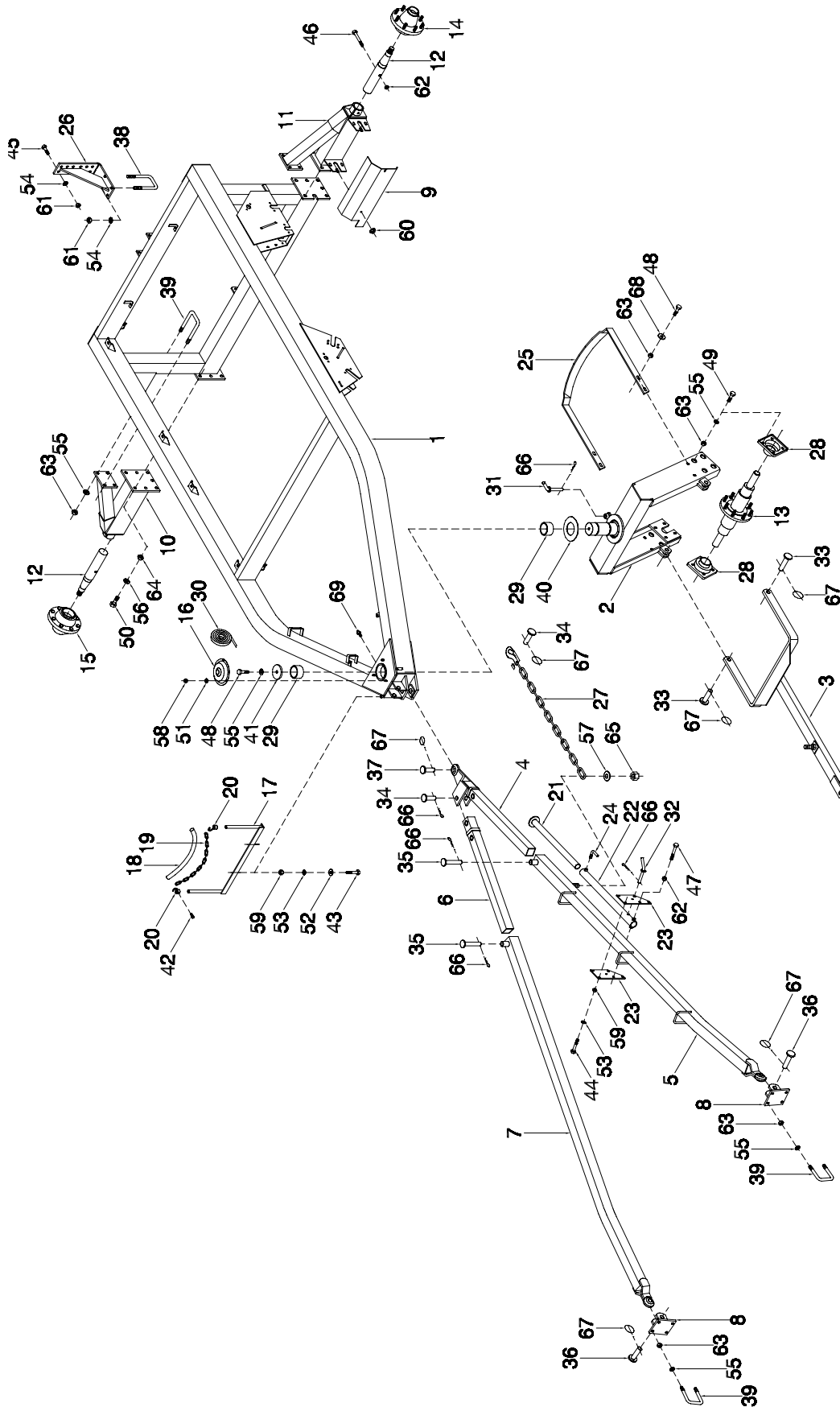
Hopper and Frame 7252 Hopper Assembly



Hopper and Frame - 7252 Hopper Assembly

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

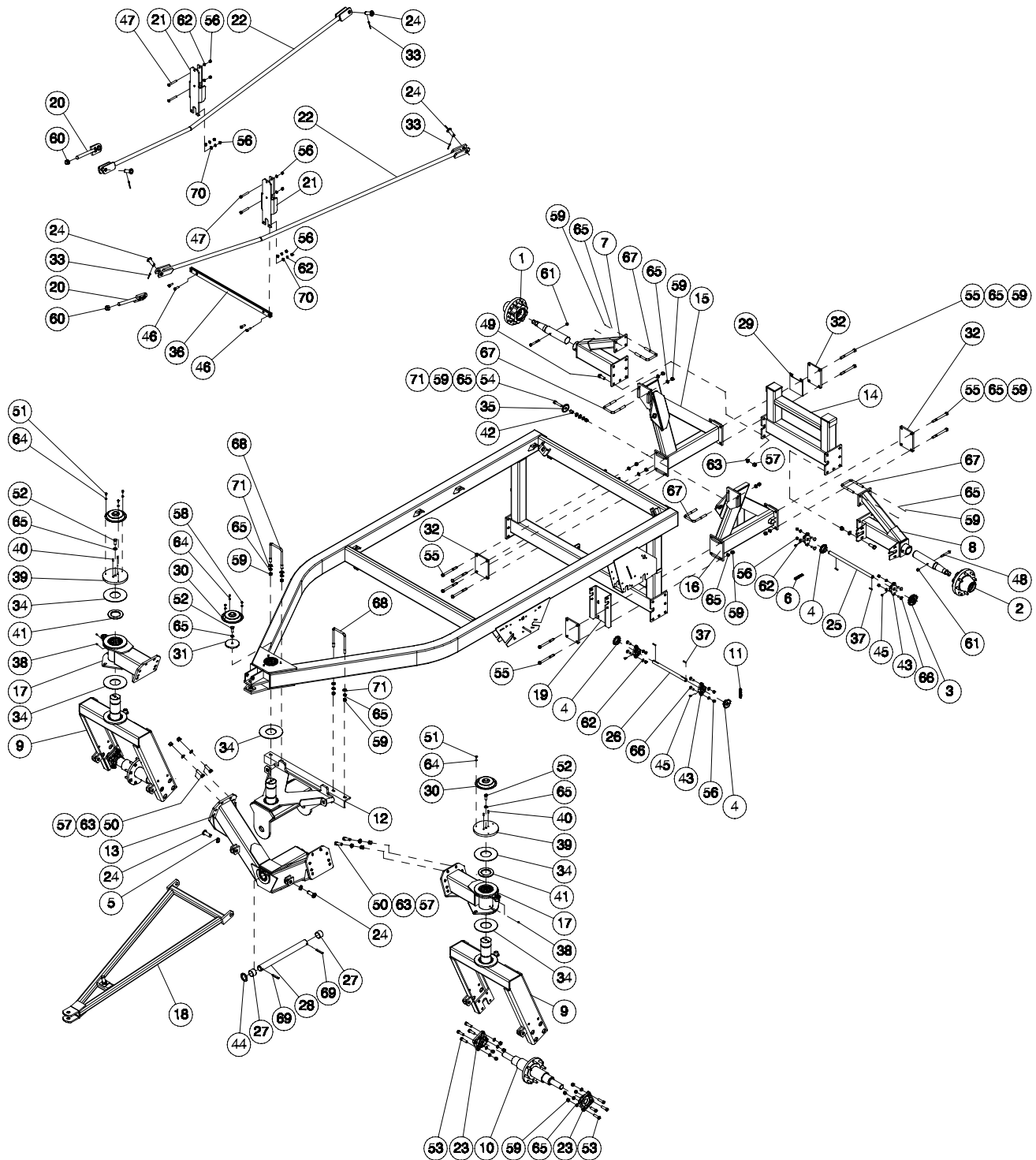
Hopper and Frame 7130 / 7180 Tow Behind Frame



Hopper and Frame - 7130 / 7180 Tow Behind Frame

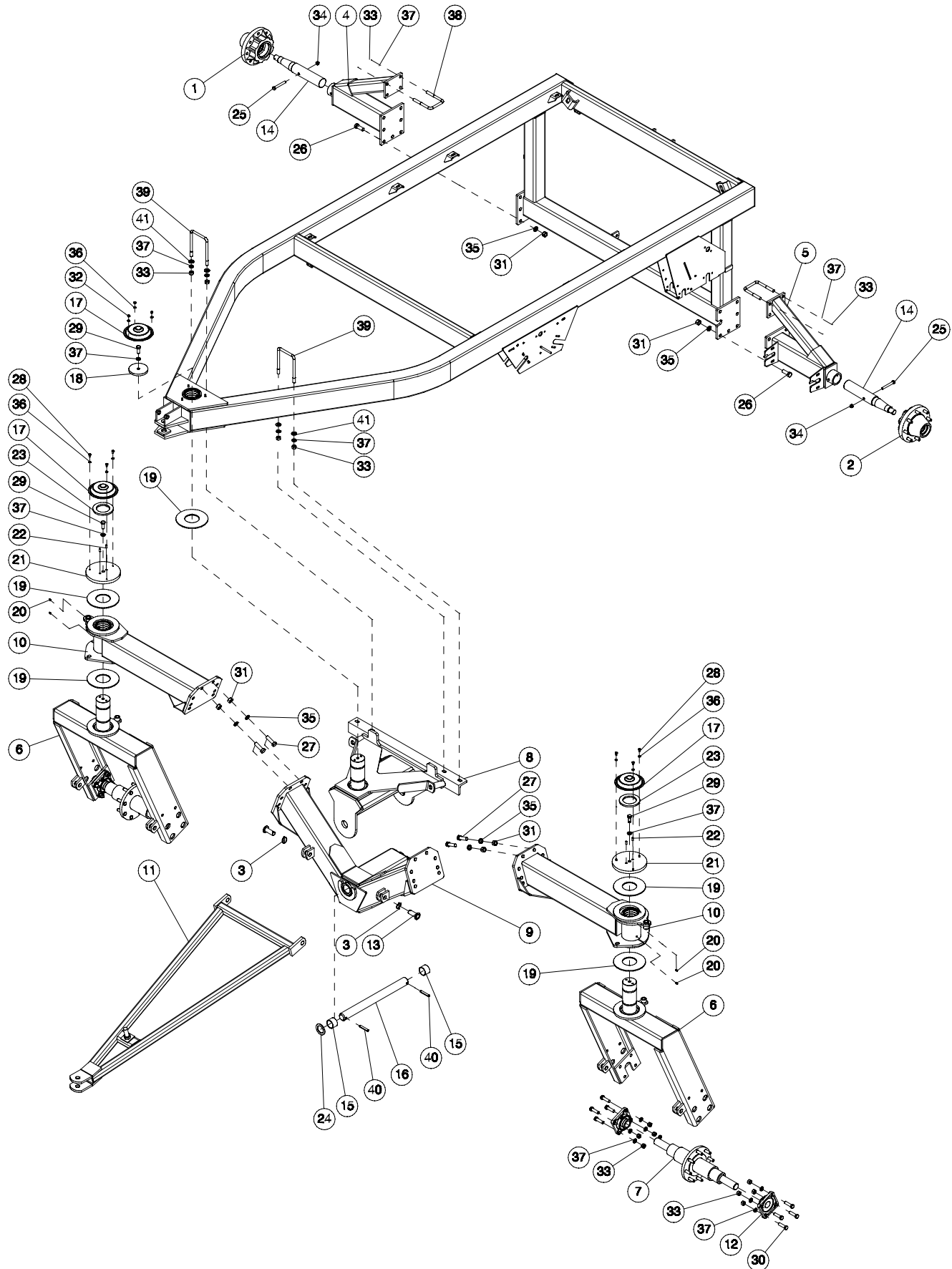
Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N27000	Frame - Tow Behind	1	45	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	8
2	N27025	Castor Fork 7180	1	46	W-494	Hex Bolt - 1/2 x 3 3/4 Lg	2
3	N27725	Castor Fork 7130	1	47	S-951	Hex Bolt - 1/2 x 4 1/2 Lg	6
4	N27030	Tow Hitch 7180	1	48	W-497	Hex Bolt - 5/8 x 1 1/2 Lg	5
	N27730	Tow Hitch 7130	1	49	W-500	Hex Bolt - 5/8 x 2 1/4 Lg	8
	N19049	Hitch Tube - Left Inner 7130 - before Serial # 7139600279	1	50	C-695	Hex Bolt - 3/4 x 2 Lg	13
		7180 - before Serial # 7189600612	1	51	W-522	Lockwasher - 5/16	3
	N29468	Hitch Tube - Left Inner	1	52	D-5489	Flatwasher - 3/8	2
5	N19196	Hitch Tube - Left Outer (Straight)	1	53	W-523	Lockwasher - 3/8	8
6	N19051	Hitch Tube - Right Inner	1	54	W-525	Lockwasher - 1/2	16
7	N19054	Hitch Tube - Right Outer (Straight)	1	55	W-526	Lockwasher - 5/8	25
8	N19203	Bracket Mounting Lugs	1	56	W-527	Lockwasher - 3/4	13
9	N27070	Guard - Shaft - 22 5/8	1	57	N19065	Flatwasher - 1 1/16	1
10	N27001	Axle Extension - Right	1	58	W-513	Hex Nut - 5/16	3
11	N27002	Axle Extension - Left	1	59	W-514	Hex Nut - 3/8	8
12	N19166	Spindle - 2 1/2 Dia	1	60	D-5279	Locknut - 3/8 Serrated	2
13	N27035	Axle 7180	1	61	W-516	Hex Nut - 1/2	16
	N27735	Axle 7130	1	62	F-3405	Locknut - 1/2 Unitorque	6
14	*****	Drive Hub Assembly (See Section 3)	1	63	W-517	Hex Nut - 5/8	28
15	*****	Non-Drive Hub Assembly (See Section 3)	1	64	W-518	Hex Nut - 3/4	13
16	N19795	Dirt Shield	1	65	D-5274	Locknut - 1 Unitorque	1
17	N27465	Bracket - Primary Hose - 26	1	66	BW-11	Hair Pin - #8 - 3/16 x 3 3/4 Lg	5
18	R480034	Hose - 1.169 OD (Bulk/ft)	1.5 ft	67	N19307	Klik Pin - 1/4 Dia x 1 3/4 Lg	6
19	N19448	Chain - 3/16 x 80 Links	1	68	W-629	Flatwasher - 5/8	4
20	N19717	Hook - Chain	2	69	C-304	Grease Zerk - 1/8 Straight	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				
26	N27790	Mud Scraper - Optional 7130	1				
27	N34742	Harrow Mount Bracket	2				
28	C18760	Chain - Safety - 3/8 P-7 AG	1				
29	S-1115	Flange Bearing Unit	2				
30	N19794	Bushing	2				
31	N21008	Seal Strip - 1/8 x 1/2	1 ft				
32	D-5131	Castor Lock Pin	1				
33	D-5140	Pin - Cable Lock - 5/8 Dia	2				
34	W-558	Pin - 1 Dia x 2 1/4 UL	2				
35	W-1628	Pin - 1 Dia x 3 3/4 UL	2				
36	N19055	Pin - 1 Dia x 5 13/32 UL	2				
37	N16226	Pin - Hitch - 1 1/8 Dia x 3 1/16 UL	2				
38	N19368	Pin - 1 1/4 Dia x 4 UL	1				
39	C-3932	U-Bolt - 1/2 x 4 x 7 1/4	4				
40	C-219	U-Bolt - 5/8 x 4 x 5 9/16	8				
41	N19423	Plate - Wear	1				
42	C-4651	Washer	1				
43	W-480	Set Screw - 1/4 x 1 Lg	2				
44	C-1550	Hex Bolt - 3/8 x 2 1/2 Lg	2				
		Hex Bolt - 3/8 x 4 Lg	6				

Hopper and Frame 7130 / 7180 - 2 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	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

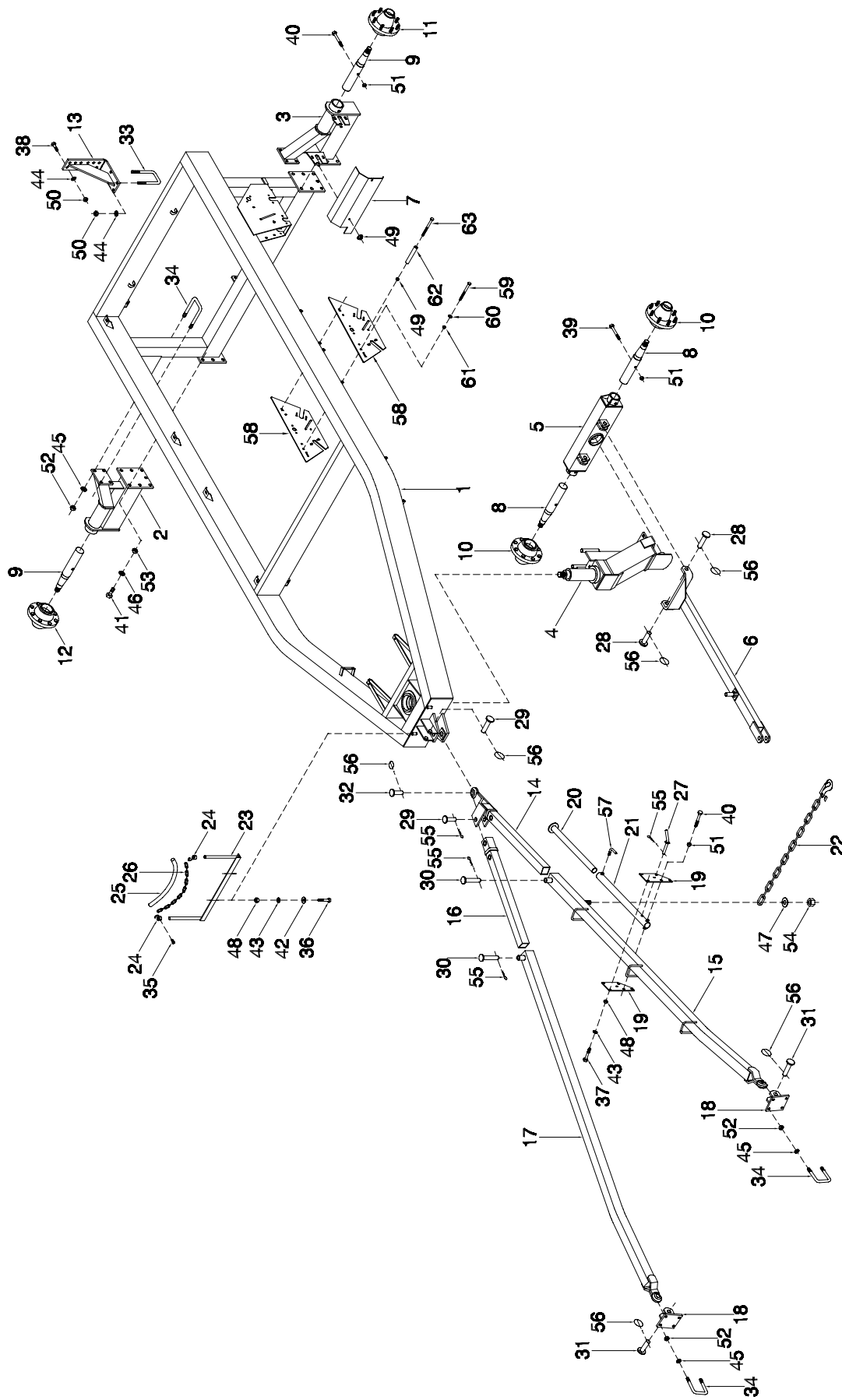
Hopper and Frame 7130 / 7180 - 3 Meter Track



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

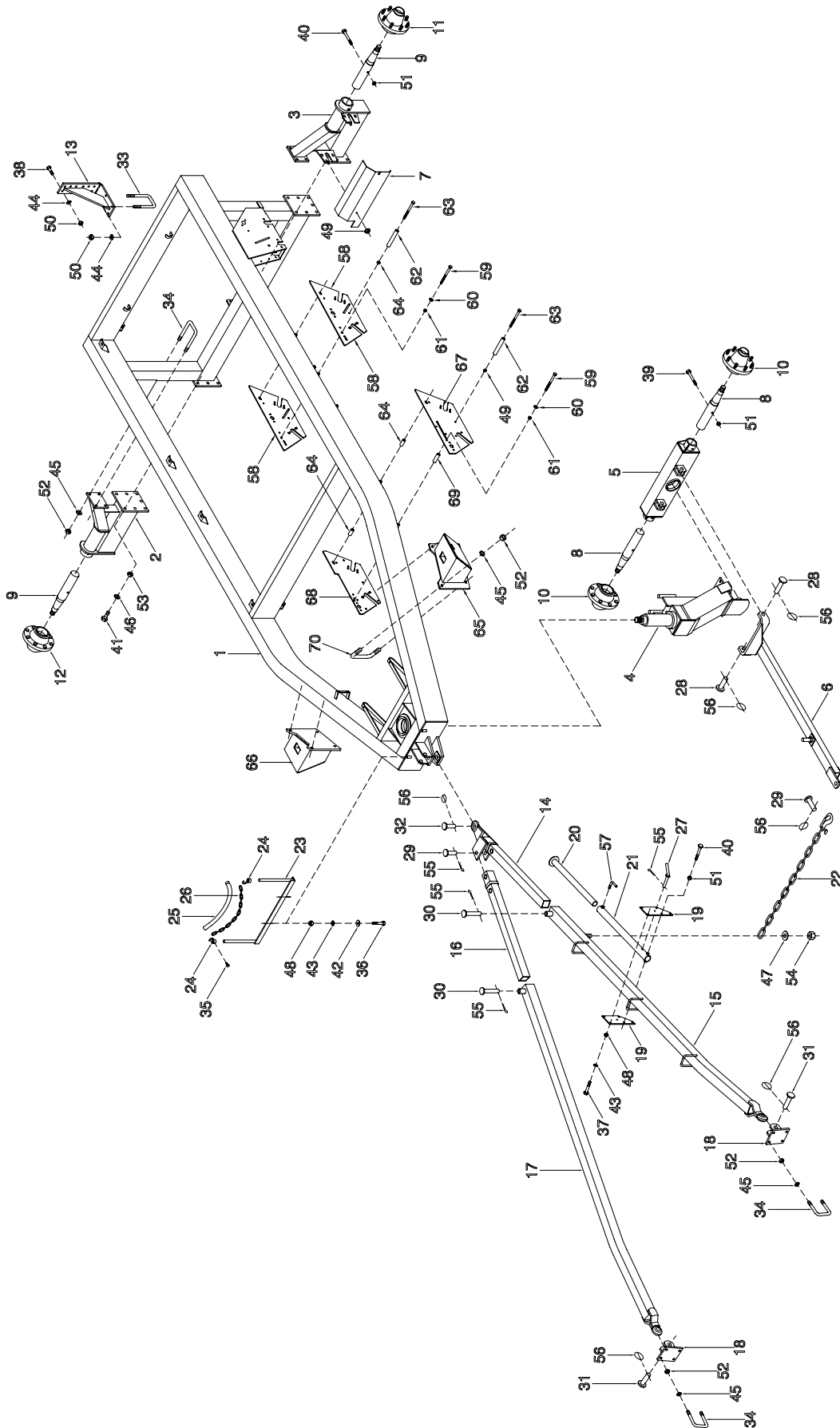
Hopper and Frame 7240 / 7300 Tow Behind Frame



Hopper and Frame - 7240 / 7300 Tow Behind Frame

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

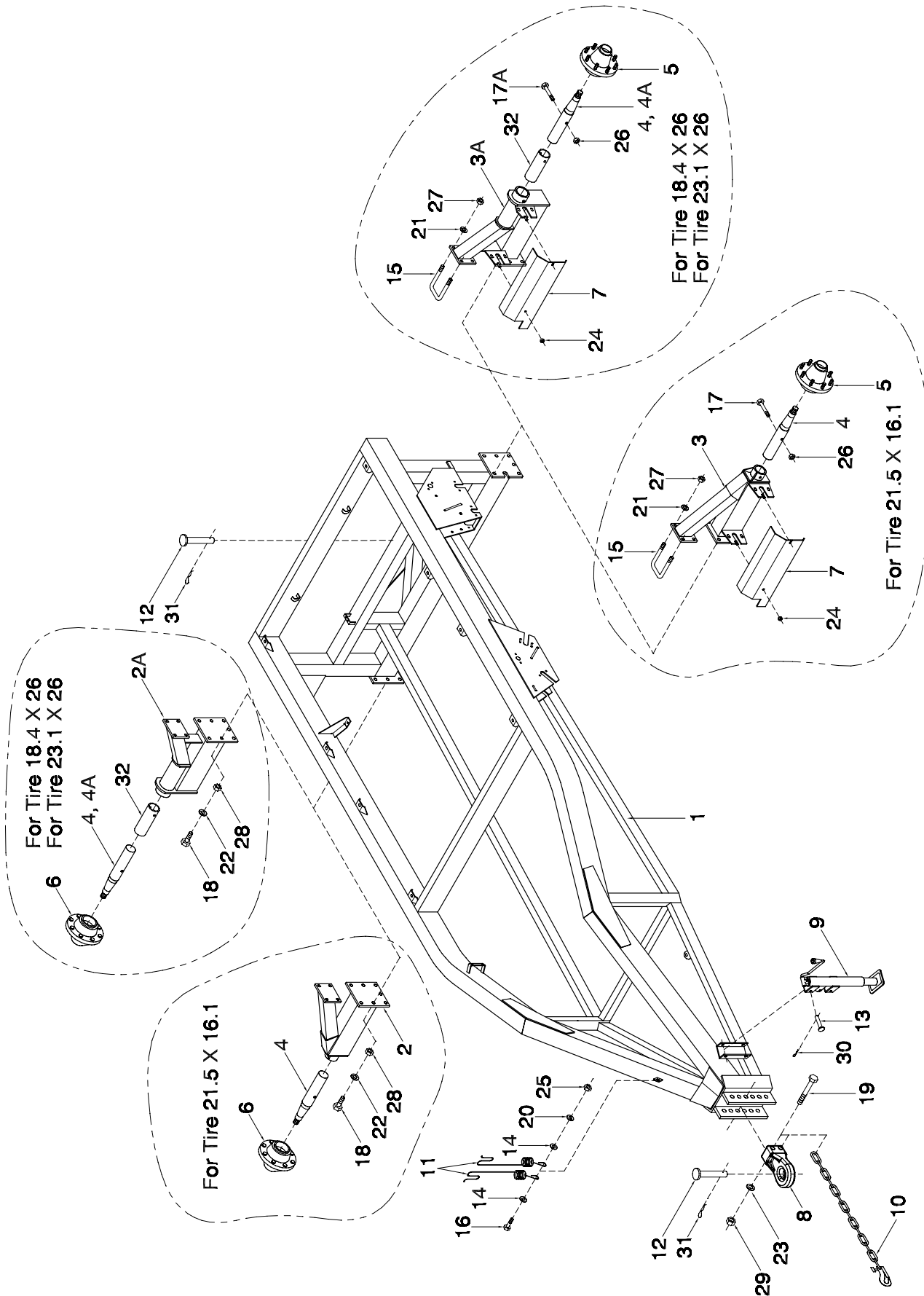
Hopper and Frame 7252 Tow Behind Frame



Hopper and Frame - 7252 Tow Behind Frame

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

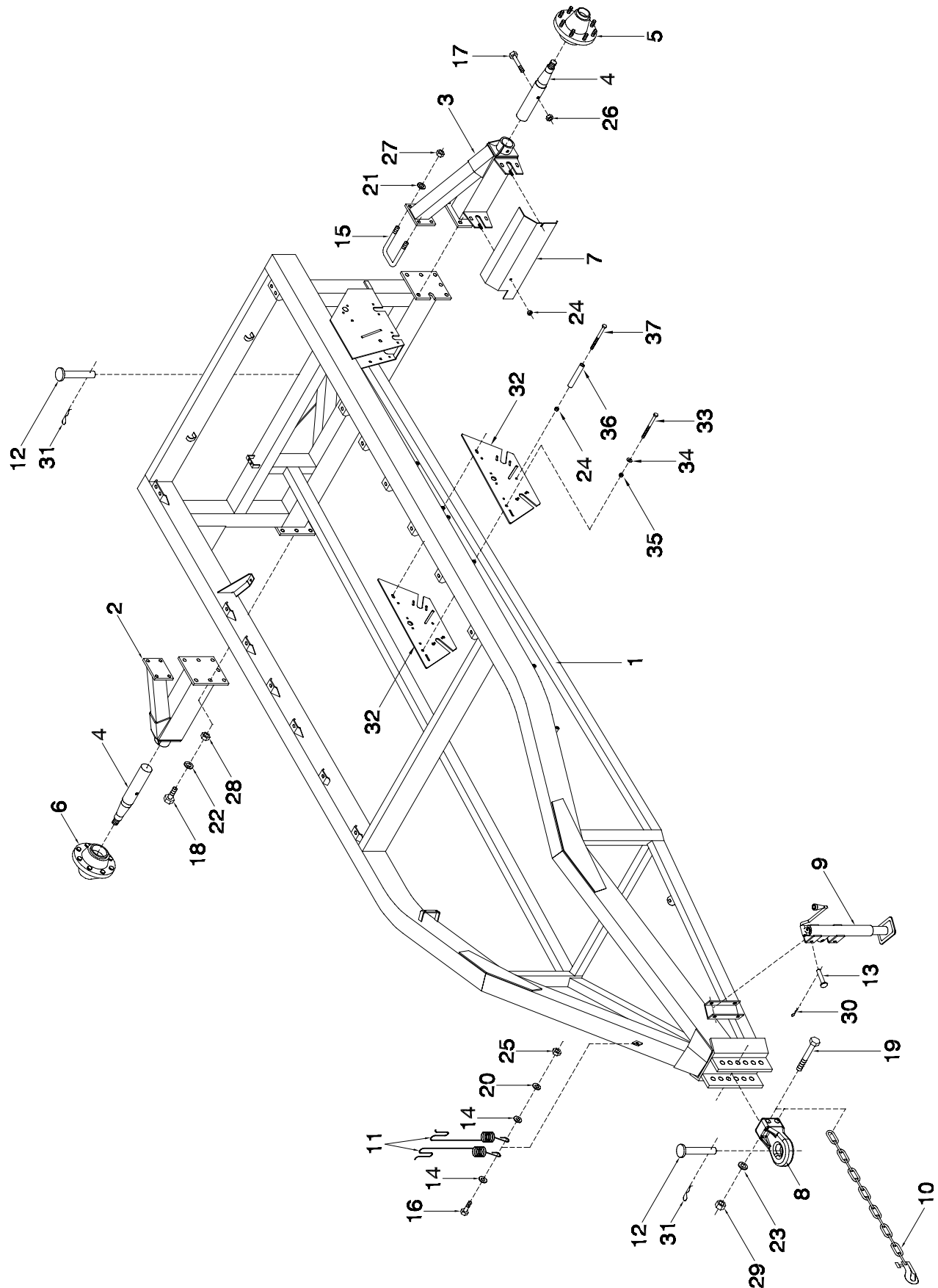
Hopper and Frame 7180 Tow Between Frame



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)	1
		(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	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 Bolt - 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

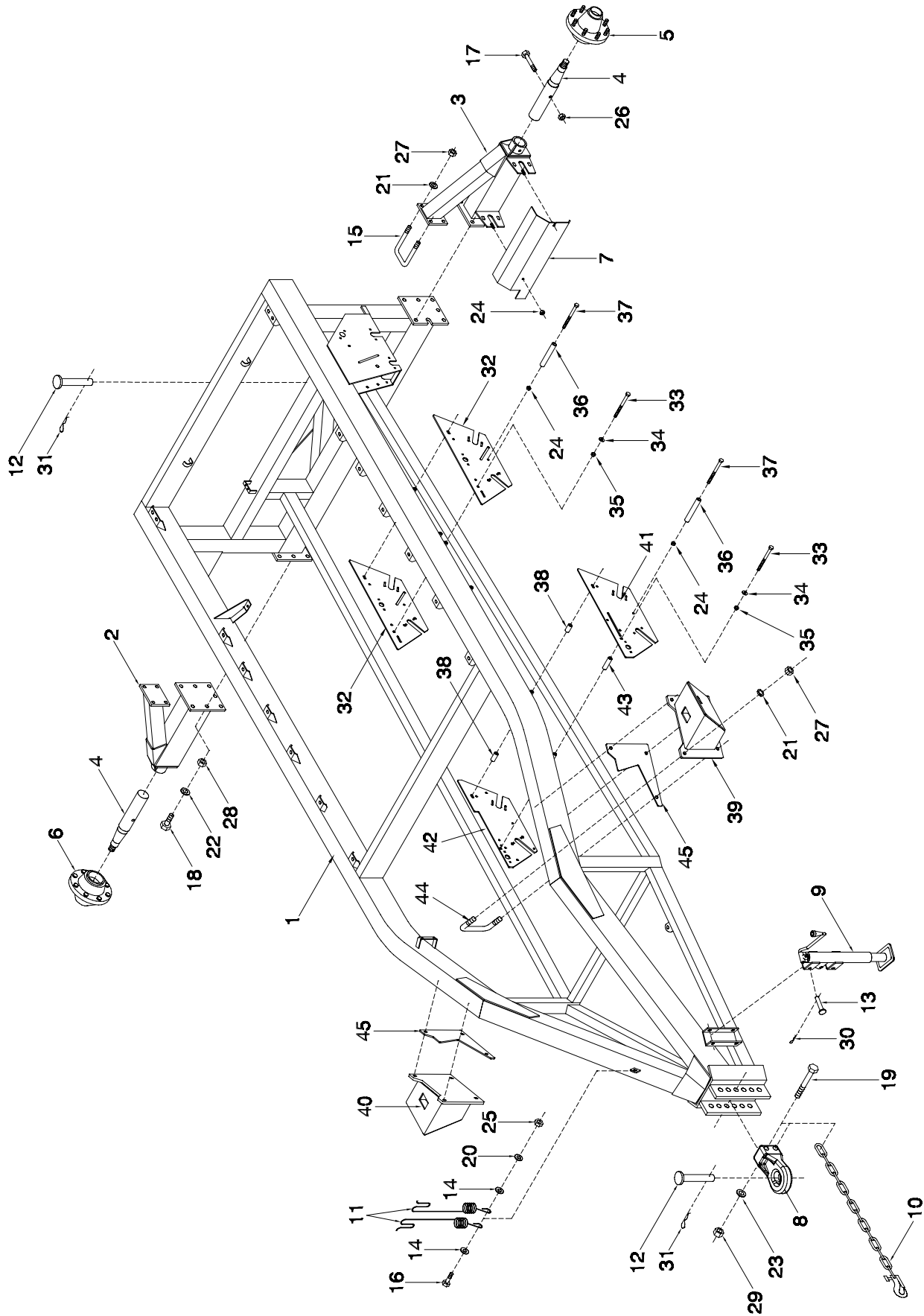
Hopper and Frame 7240 / 7300 Tow Between Frame



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

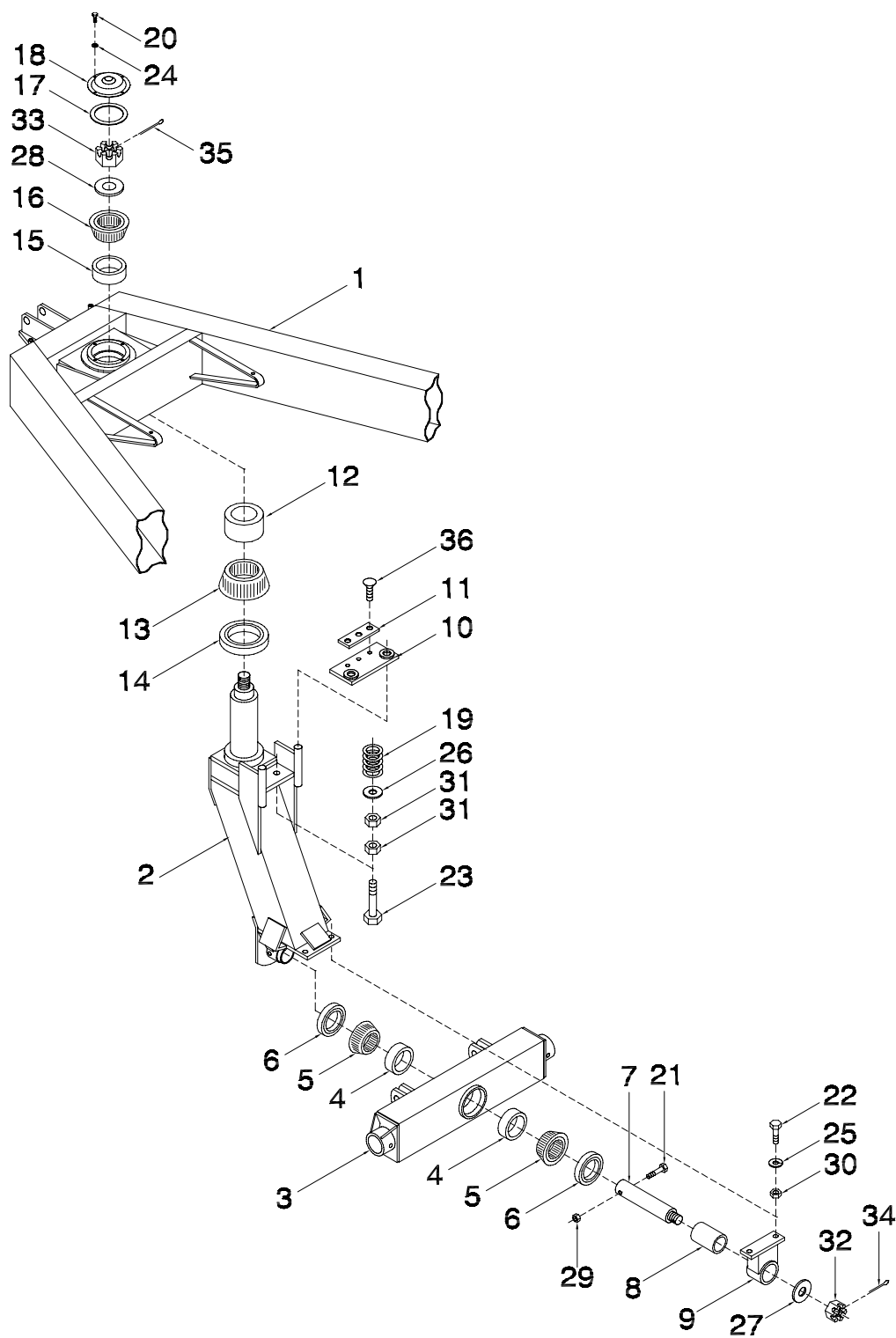
Hopper and Frame 7252 Tow Between Frame



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)	1
		(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	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

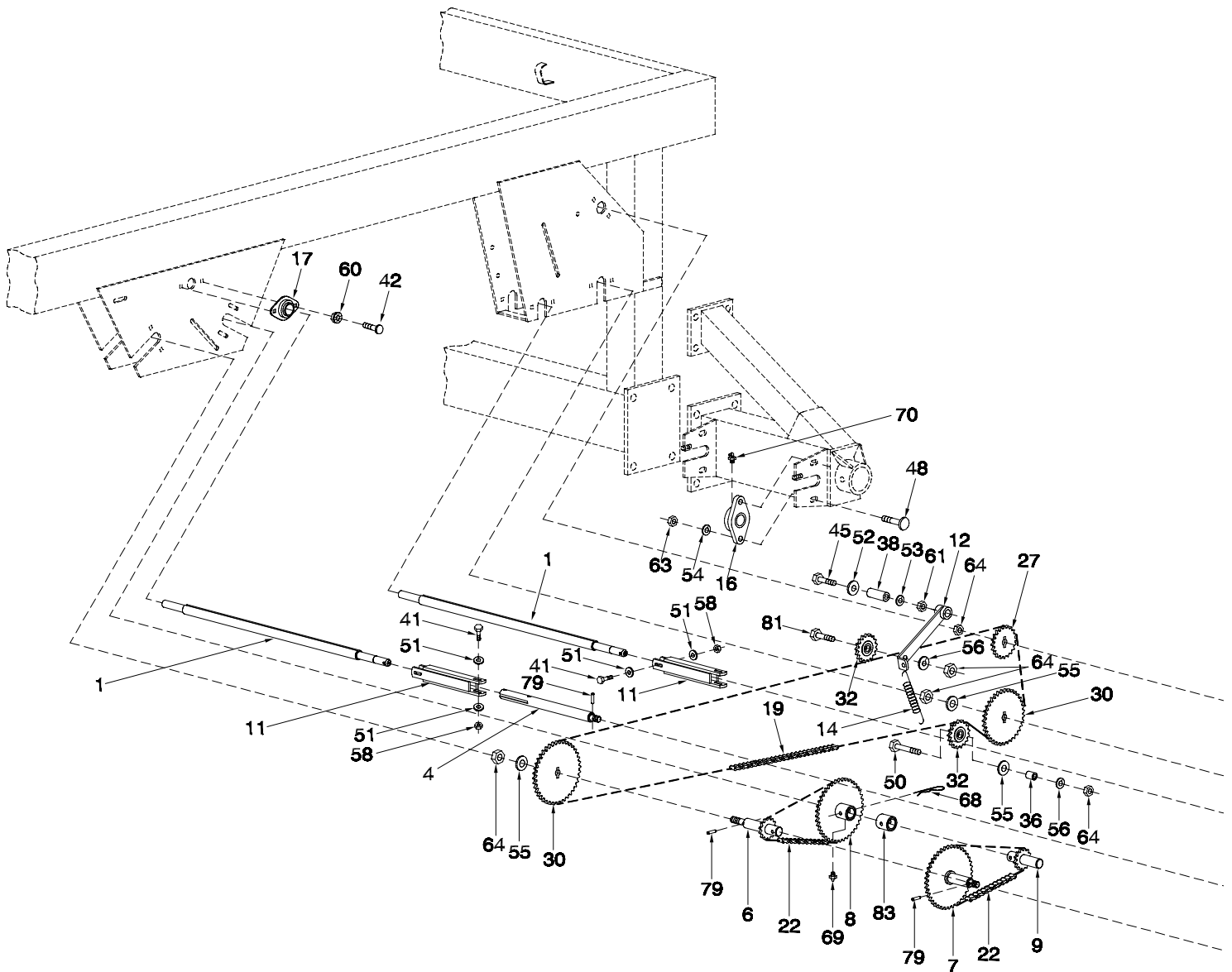
Section 2: Metering

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

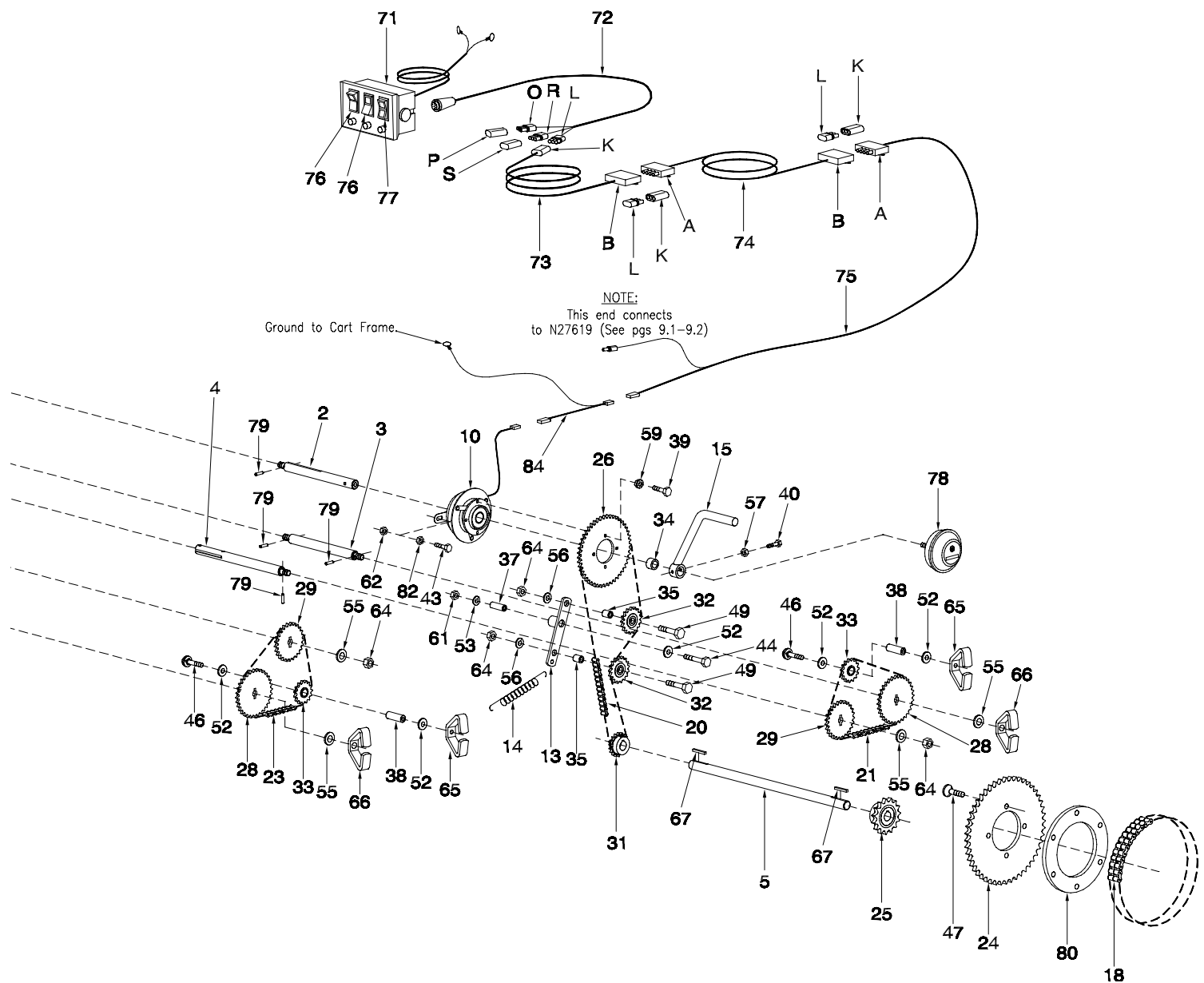
Metering

Metering Drive - 7130 / 7180 / 7240 / 7300



Metering

Metering Drive - 7130 / 7180 / 7240 / 7300



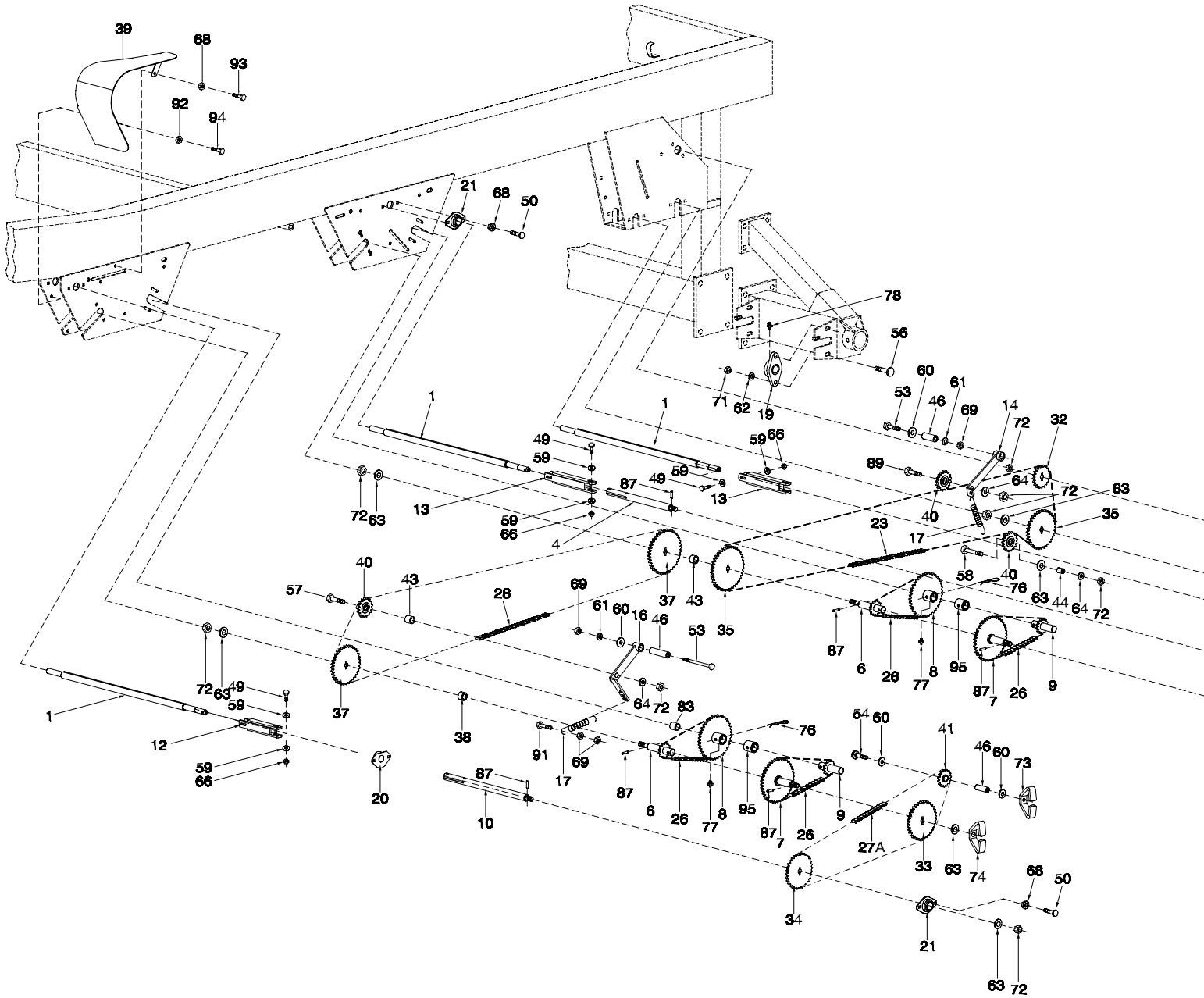
Metering - Metering Drive - 7130 / 7180 / 7240 / 7300

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 auxiliary 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

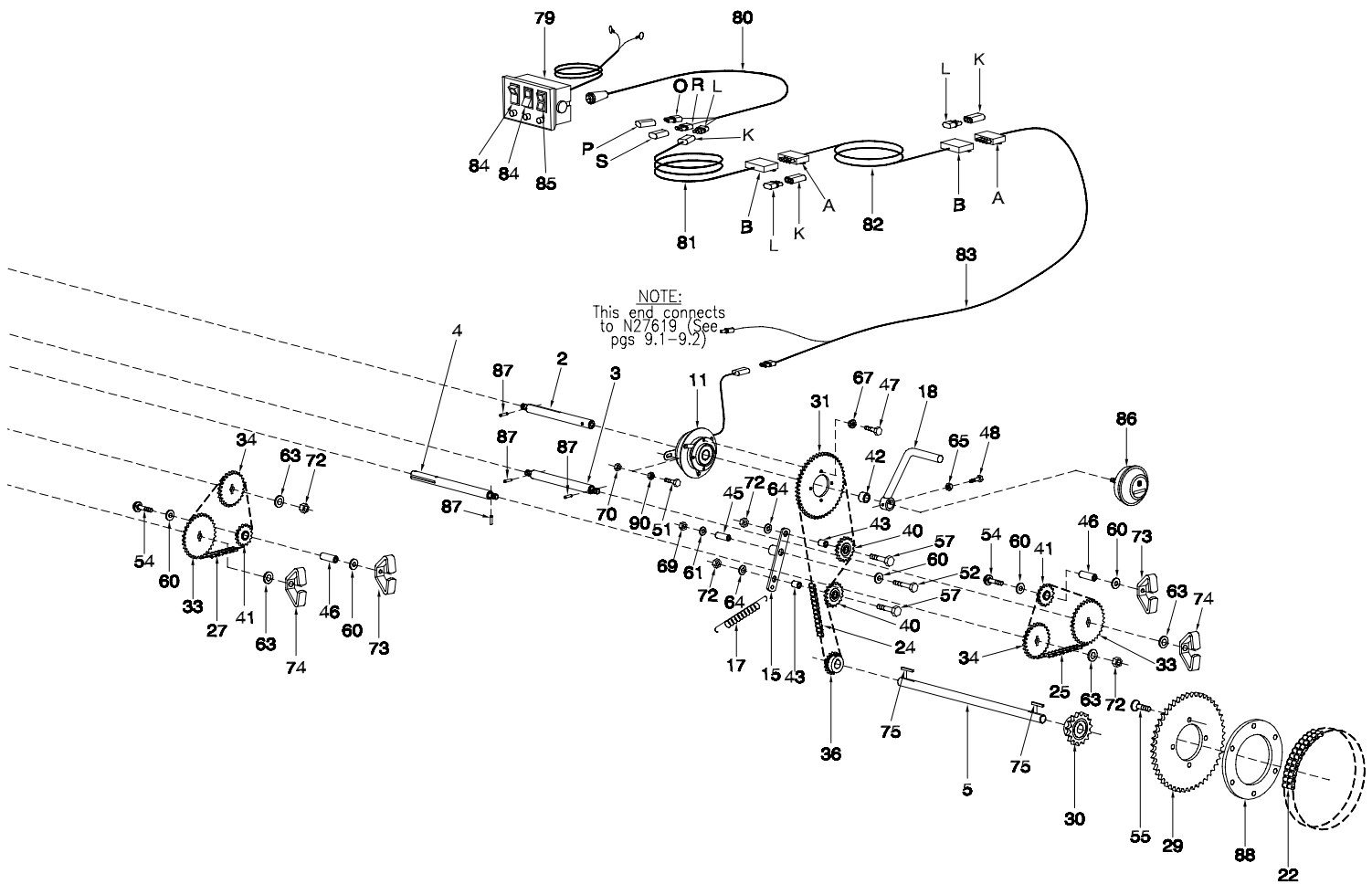
Metering - Metering Drive - 7130 / 7180 / 7240 / 7300

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":	<i>Seeding Tool Trip Spacing Sprockets</i>	
		7.5" Spacing Use N27412	
		8" Spacing Use N27413	
		9" Spacing Use N27415	
		10" Spacing Use N27417	
		12" Spacing Use N27420	
	NOTE "B":	<i>Metering Rate Change Sprockets</i>	
		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":	<i>Optional Rate Change sprockets offered through Parts Department Only</i>	
		N27430 ... 40A30	N27437 ... 40A37
		N27433 ... 40A33	N27439 ... 40A39
		N27434 ... 40A34	N27441 ... 40A41
		N27436 ... 40A36	N27442 ... 40A42
		N27443 ... 40A43	

Metering Metering Drive - 7252



Metering Metering Drive - 7252



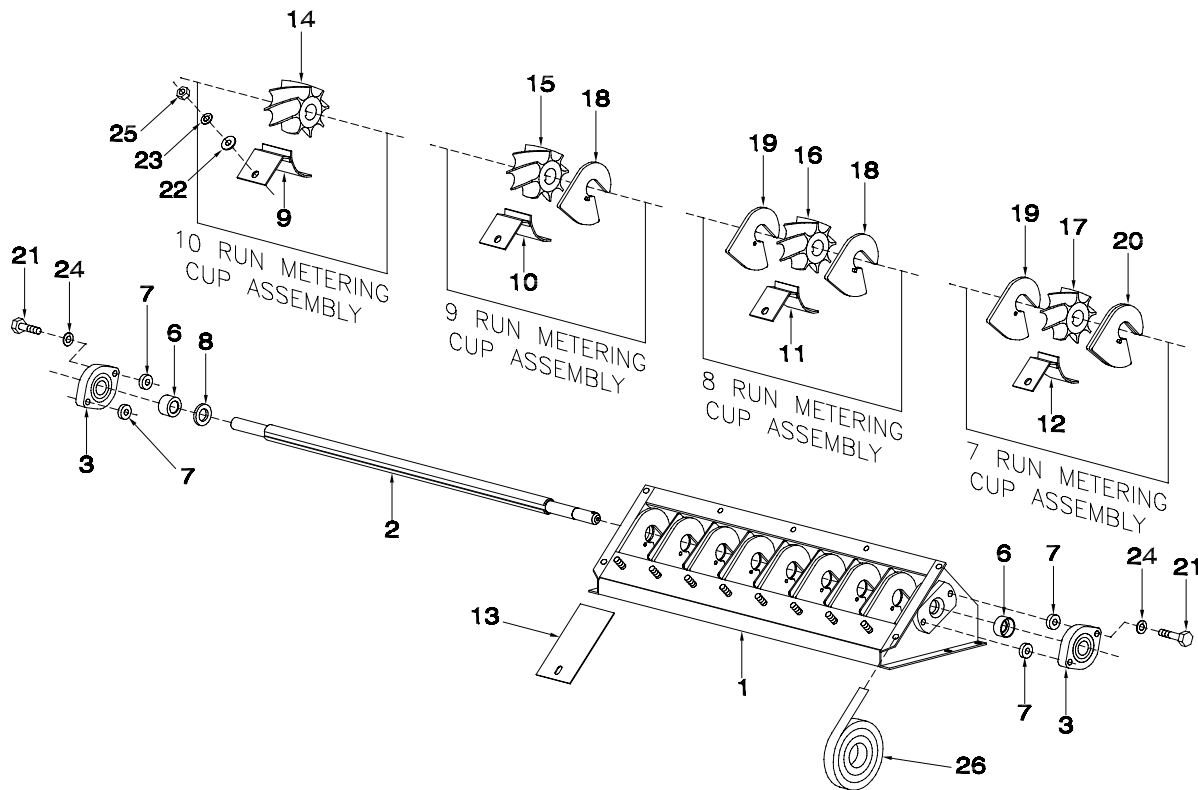
Metering - Metering Drive - 7252

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

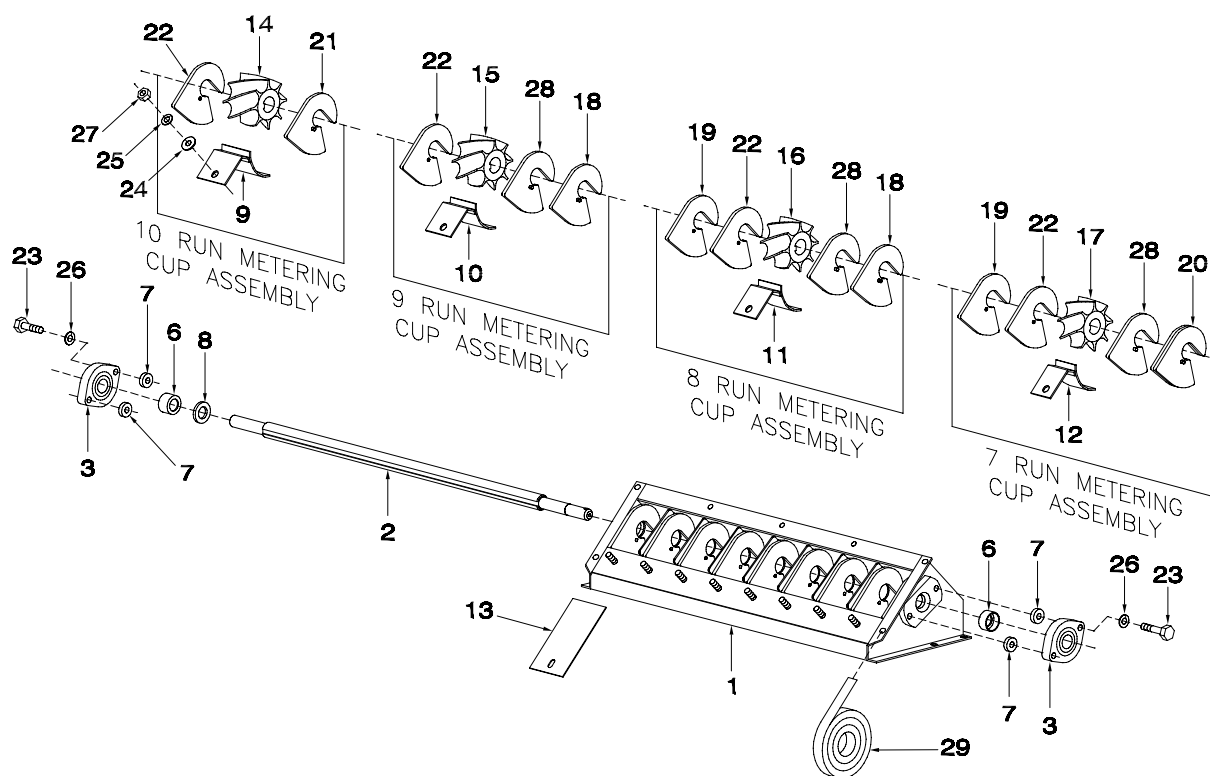
Item	Part No.	Description	Qty
66	N22778	Locknut - 1/4 w/Nylon Insert	6
67	D-5277	Serrated Locknut - 1/4	4
68	D-5278	Serrated Locknut - 5/16	37
69	W-514	Hex Nut - 3/8	5
70	M-3388	Unitorque Locknut - 3/8	1
71	W-516	Hex Nut - 1/2	4
72	W-517	Hex Nut - 5/8	11
73	N27350	Wing Nut - 3/8 (7000 Series)	3
74	N27370	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":	<i>Seeding Tool Trip Spacing Sprockets</i>	
		7.5"Spacing Use N27412	
		8" Spacing Use N27413	
		9" Spacing Use N27415	
		10" Spacing Use N27417	
		12" Spacing Use N27420	
	NOTE "B":	<i>Metering Rate Change Sprockets</i>	
		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":	<i>Optional Rate Change sprockets offered through Parts Department Only</i>	
		N27430 ... 40A30	N27437 ... 40A37
		N27433 ... 40A33	N27439 ... 40A39
		N27434 ... 40A34	N27441 ... 40A41
		N27436 ... 40A36	N27442 ... 40A42
		N27443 ... 40A43	

Metering Metering Body



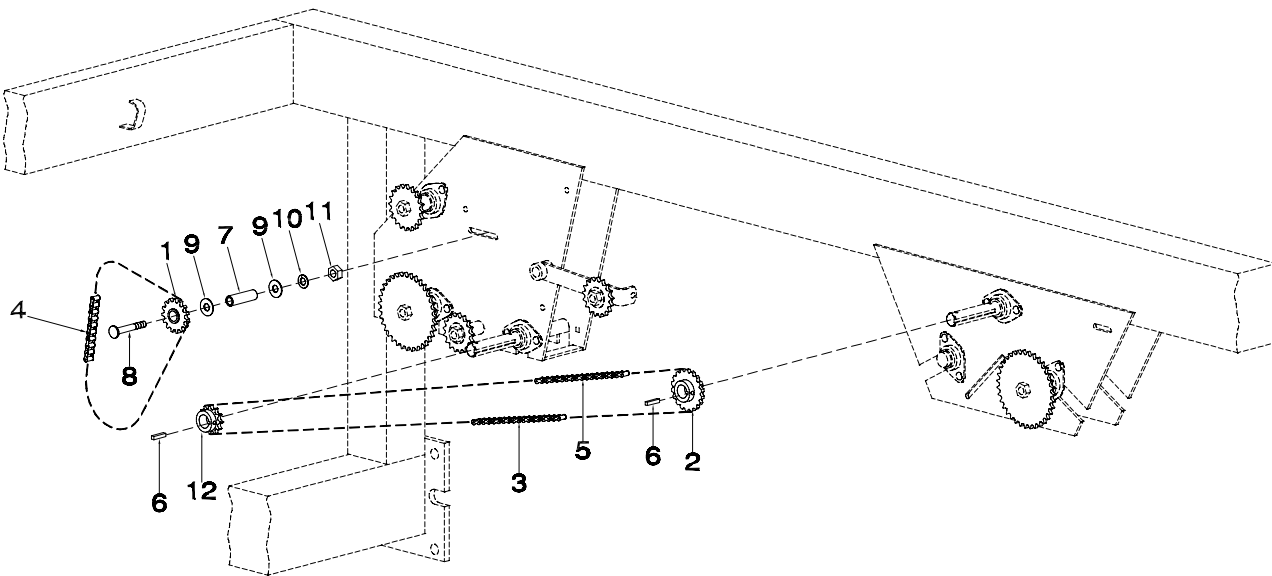
Item	Part No.	Description	Qty
1	N27100	Metering Body	1
2	N19687	Metering Shaft - 8 Outlet	1
3	N19269	Bearing Assembly - NTN - 2 Bolt Flange	2
6	N21659	Seal	2
7	N21602	Spacer	4
8	N21612	Backing Washer	1
9	N27090	Slider - #10 Wheel	As req
10	N27089	Slider - #9 Wheel	As req
11	N27088	Slider - #8 Wheel	As 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



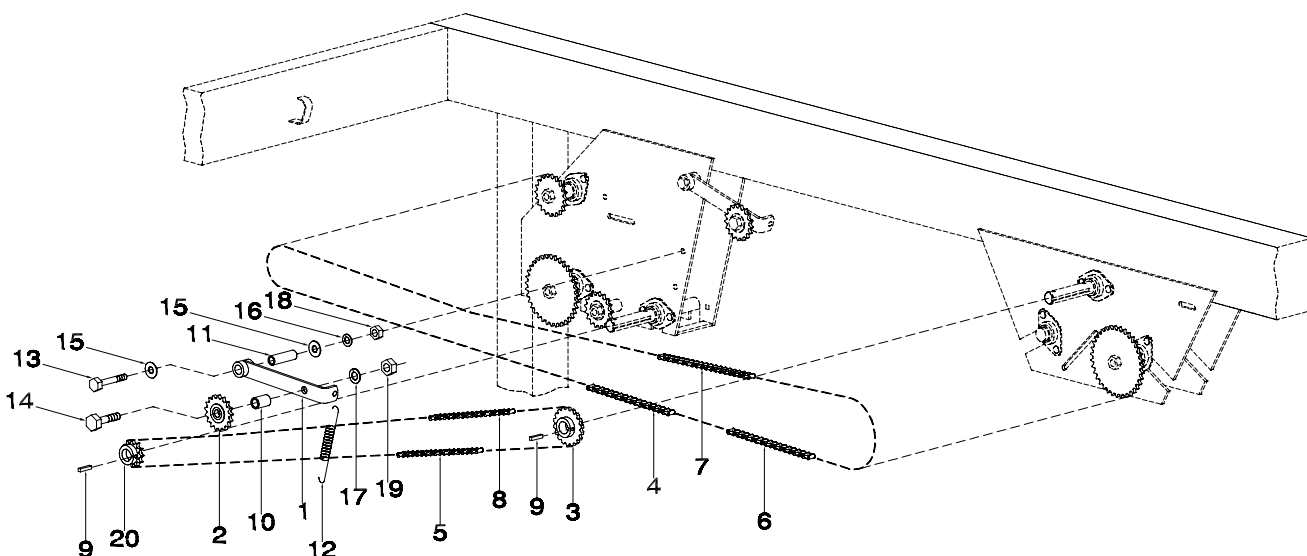
Item	Part No.	Description	Qty
1	N28928	Metering Body	1
2	N19687	Metering Shaft - 8 Outlet	1
3	N19269	Bearing Assembly - NTN - 2 Bolt Flange	2
6	N21659	Seal	2
7	N21602	Spacer	4
8	N21612	Backing Washer	1
9	N27090	Slider - #10 Wheel	As req
10	N27089	Slider - #9 Wheel	As req
11	N27088	Slider - #8 Wheel	As 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)	

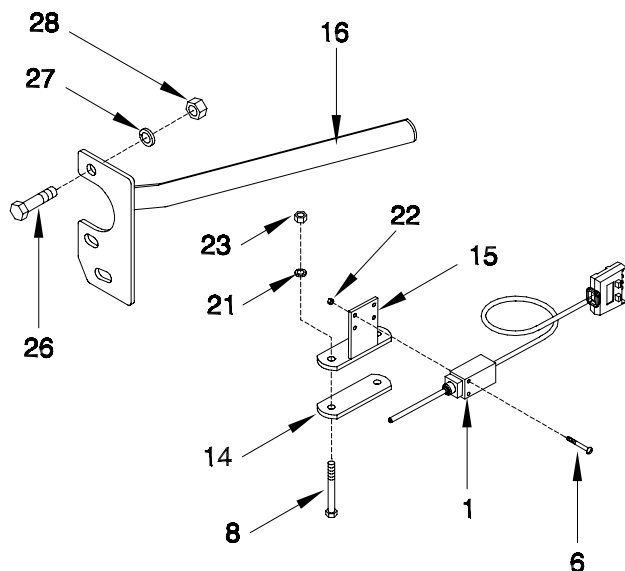
Metering Optional Fertilizer Banding Kit - Front



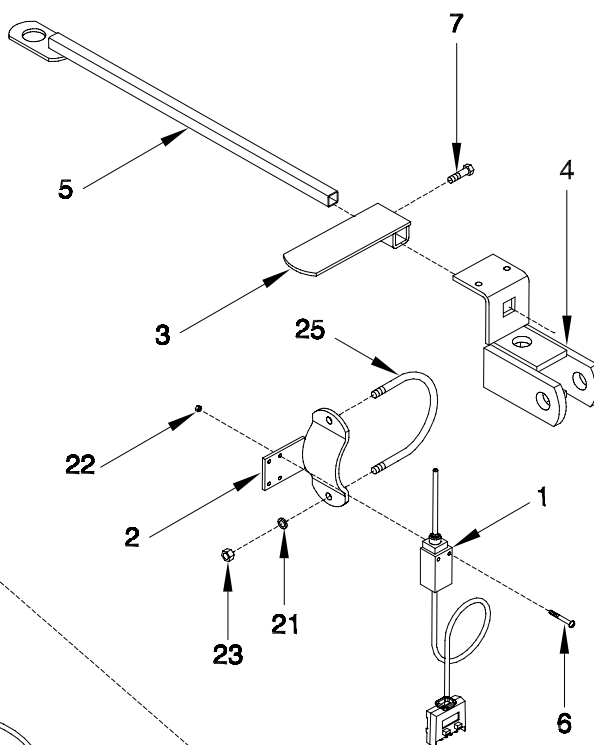
Item	Part No.	Description	Qty
1	N19261	Idler Arm	1
2	D17808	Sprocket - 40A17	1
3	N19237	Sprocket - 40B18	1
4	N27632	Chain - #40 x 40 Links w/Connector (7240 / 7300 ONLY)	1
5	N27633	Chain - #40 x 47 Links w/Connector & Offset Link (7240 / 7300 ONLY)	1
6	N19774	Chain - #40 x 72 Links w/Connector	1
7	N21024	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) (Order Through Wholegoods)	

Metering Optional Remote Clutch Switch - Brylite Ends

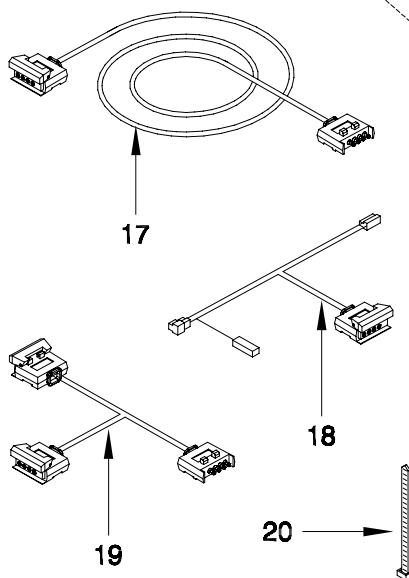
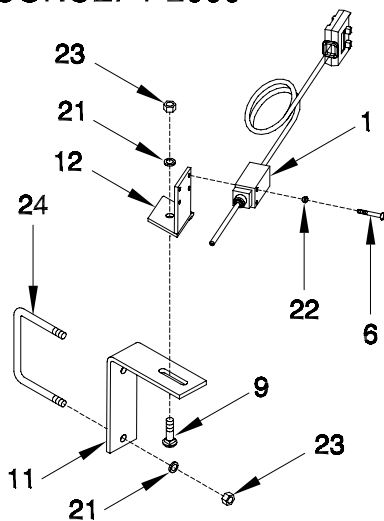
8900/9000 MAXIM AIR DRILL FRONT MOUNT



MAGNUM III



CONCEPT 2000

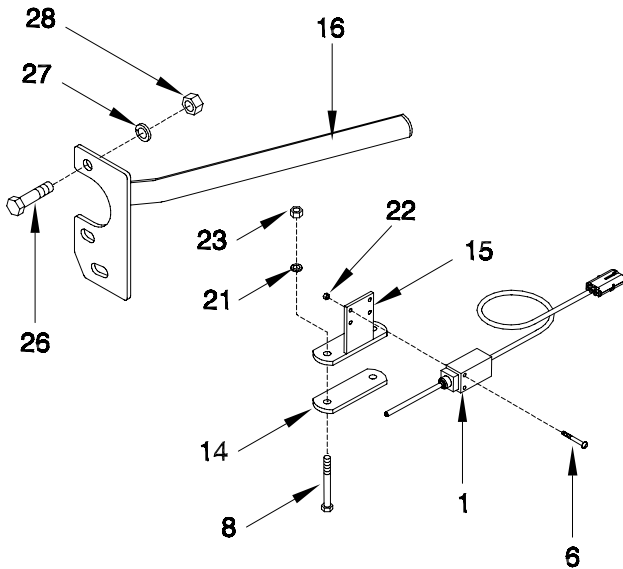


Metering - Optional Remote Clutch Switch - Brylite Ends

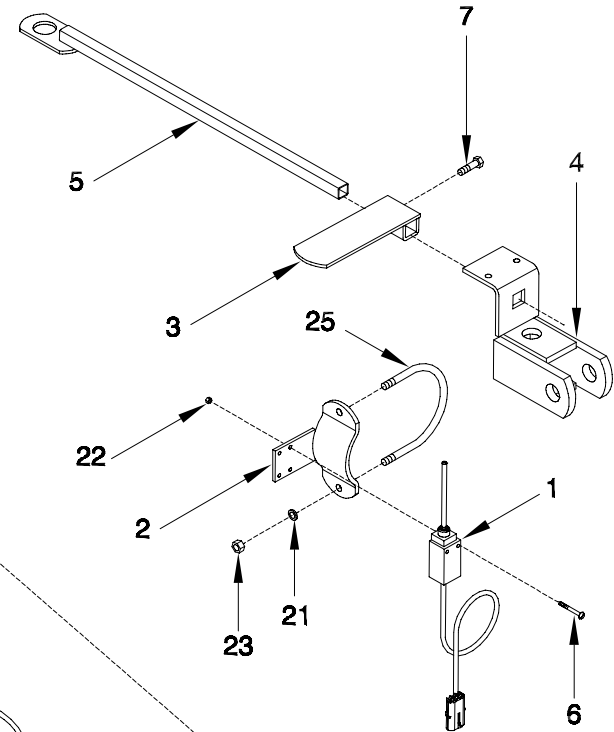
Item	Part No.	Description	Qty
MAGNUM III - Order Kits Through Wholegoods ONLY			
1	N32068	Work Switch & Wire	1
2	N32104	Switch Bracket - Magnum III	1
3	N32110	Activator Arm - Magnum III	1
4	C29572	Left Knuckle Joint - Magnum III 43 ft and 50 ft ONLY	1
5	C29579	Depth Stop Rod - Magnum III 43 ft and 50 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

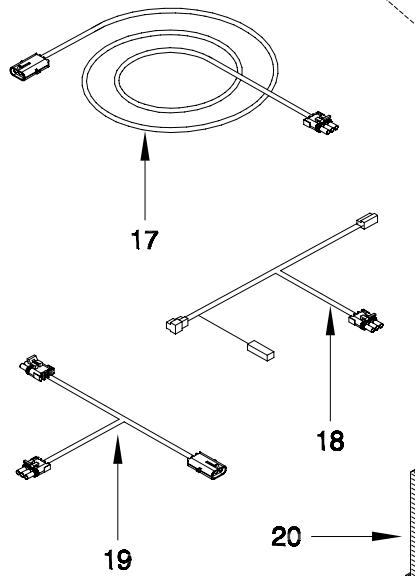
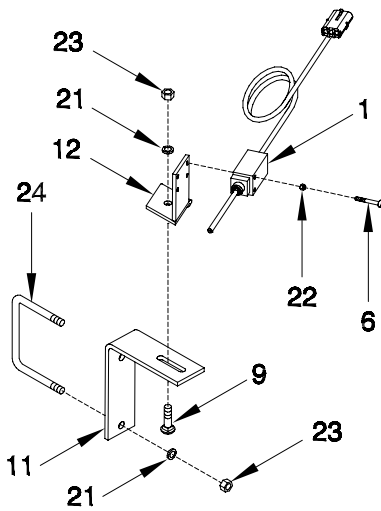
8900/9000 MAXIM AIR DRILL FRONT MOUNT



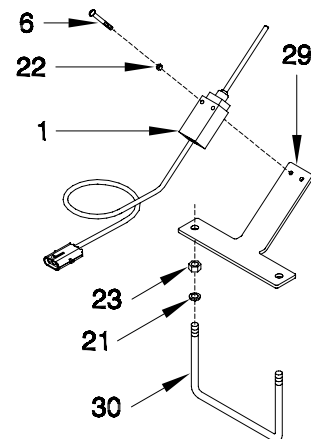
MAGNUM III



CONCEPT 2000



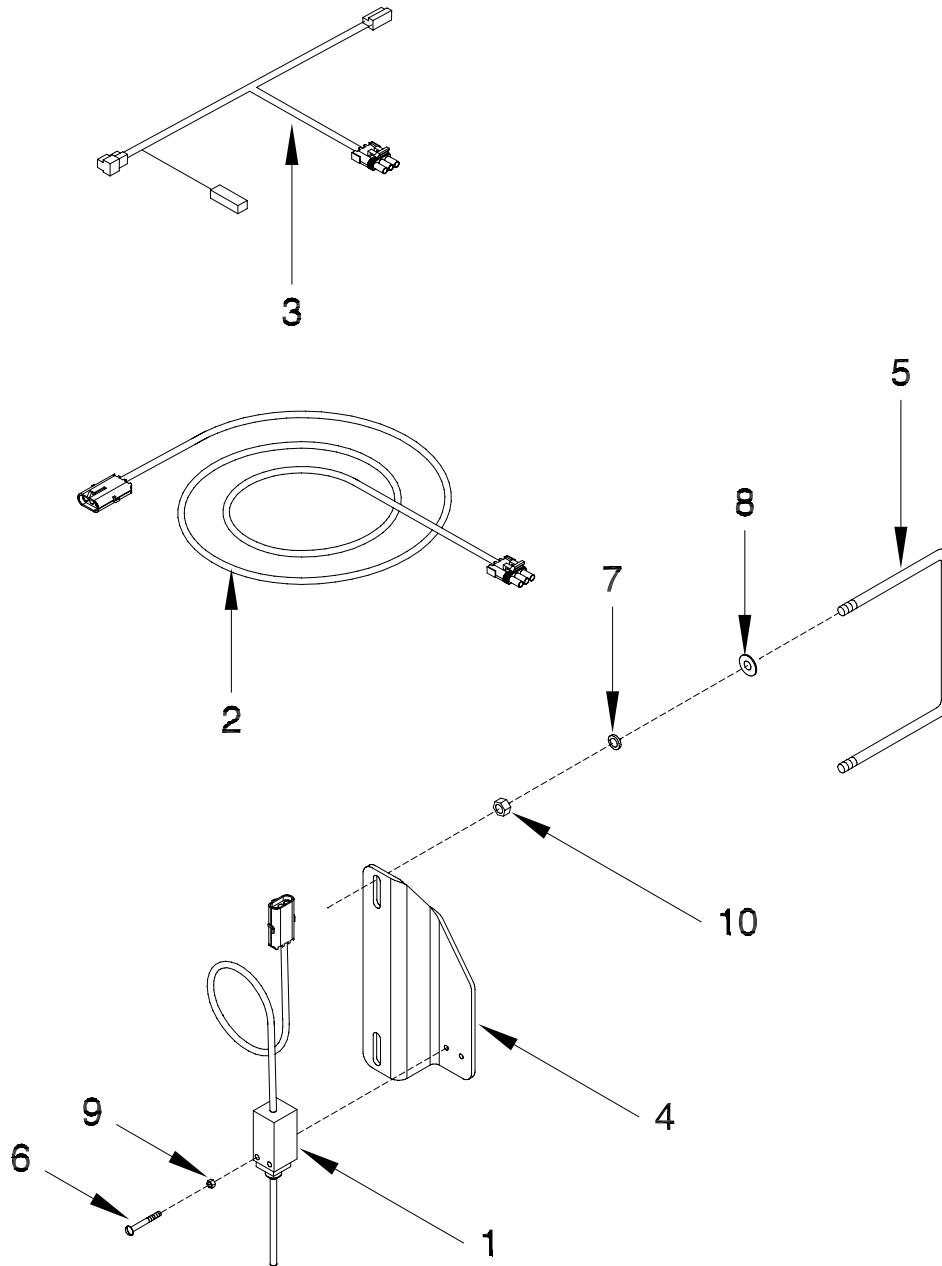
NEVER PIN



Metering - Optional Remote Clutch Switch - Weather Pak Ends

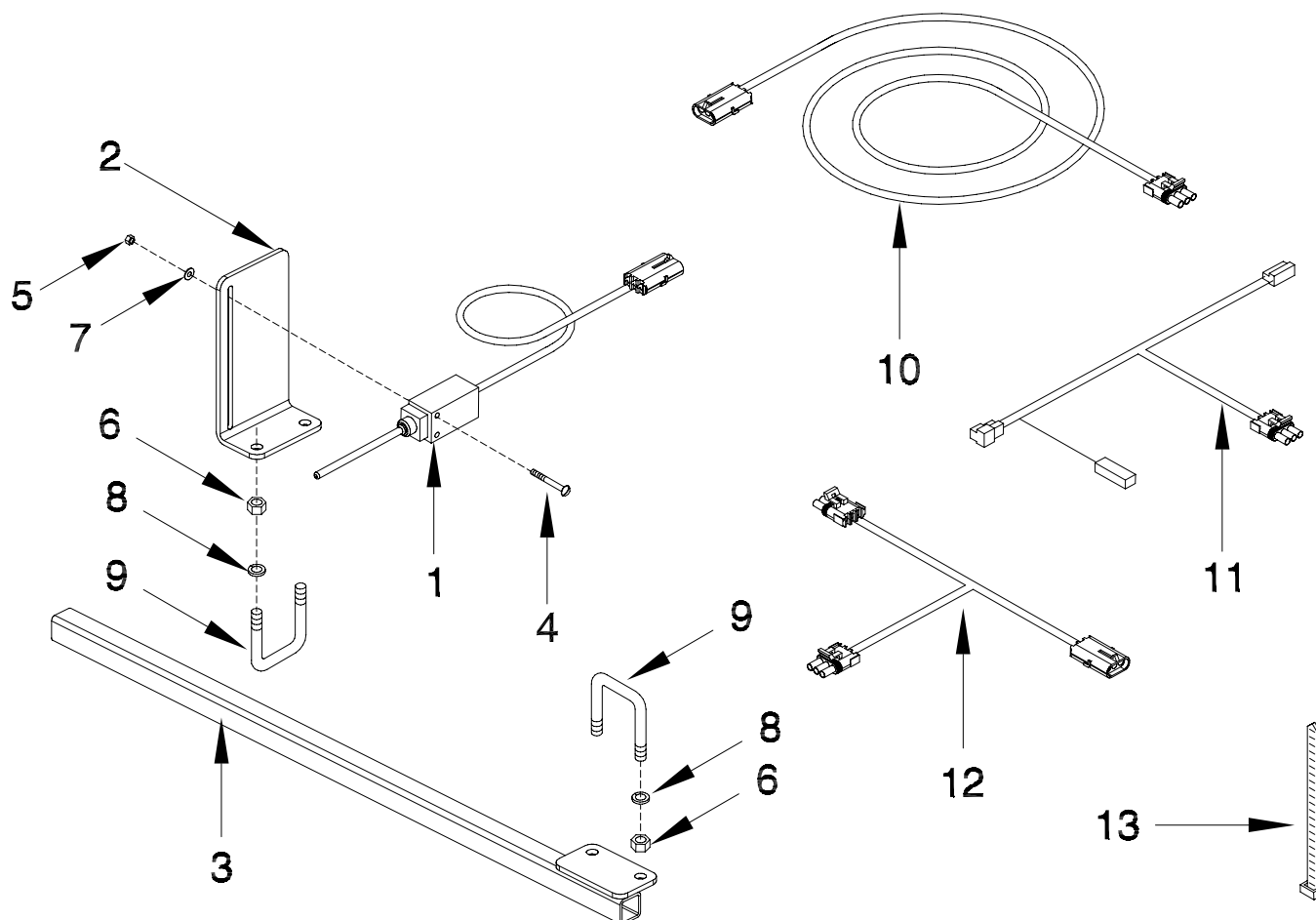
Item	Part No.	Description	Qty
MAGNUM III - Order Kits Through Wholegoods ONLY			
1	N32481	Work Switch & Wire - Weather Pak End	1
2	N32104	Switch Bracket - Magnum III	1
3	N32110	Activator Arm - Magnum III	1
4	C29572	Left Knuckle Joint - Magnum III 43 and 50 ONLY	1
5	C29579	Depth Stop Rod - Magnum III 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



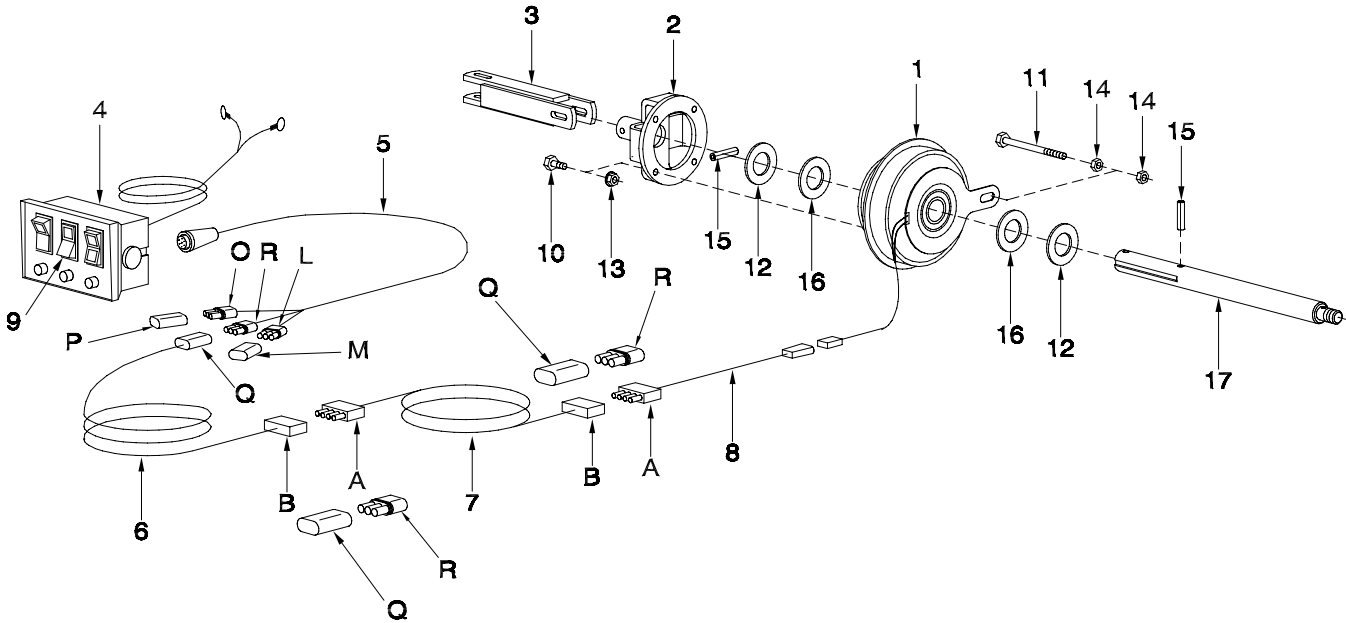
Item	Part No.	Description	Qty
1	N32481	Work Switch & Wire - Aircart	1
2	N32457	Wire Clutch Extension (Main) 37 1/2 ft.....	1
3	N32483	Connector 'Y' Wire Tow Between	1
4	N34359	Bracket - Switch	1
5	N31209	U-Bolt 3/8 x 7 1/16 x 8	1
6	N32101	Stove Bolt Plated 3/16 x 1 1/2	2
7	W-523	Lockwasher - 3/8	2
8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



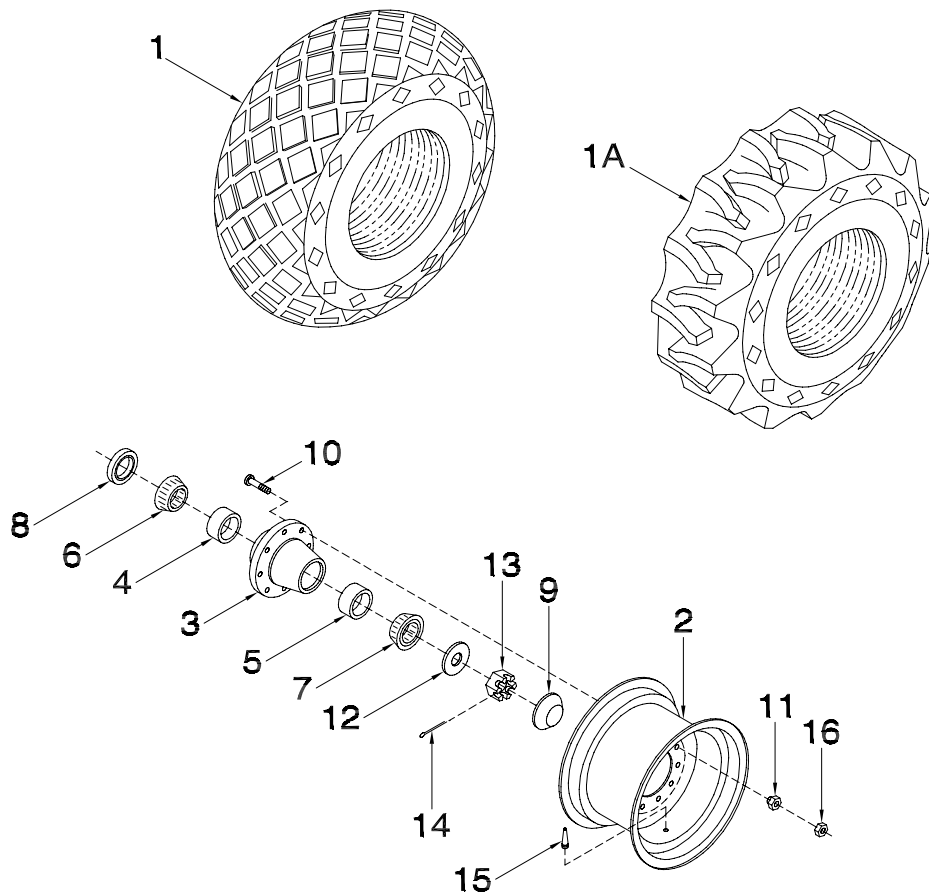
Item	Part No.	Description	Qty
1	N16862	Electric Clutch - 12 Volt	1
2	N19470	Coupler - Fertilizer Clutch	1
3	N21287	Coupler - Metering - 5 5/8 Lg	1
4	N27011	Clutch Switch - Main - 7000 Series (Fuse 7.5 amp - N30594)	1
5	N27012	Clutch Wire - Extension - 8 ft	1
6	N28039	Wire - Clutch Extension (Aux) - 16 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 auxiliary 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

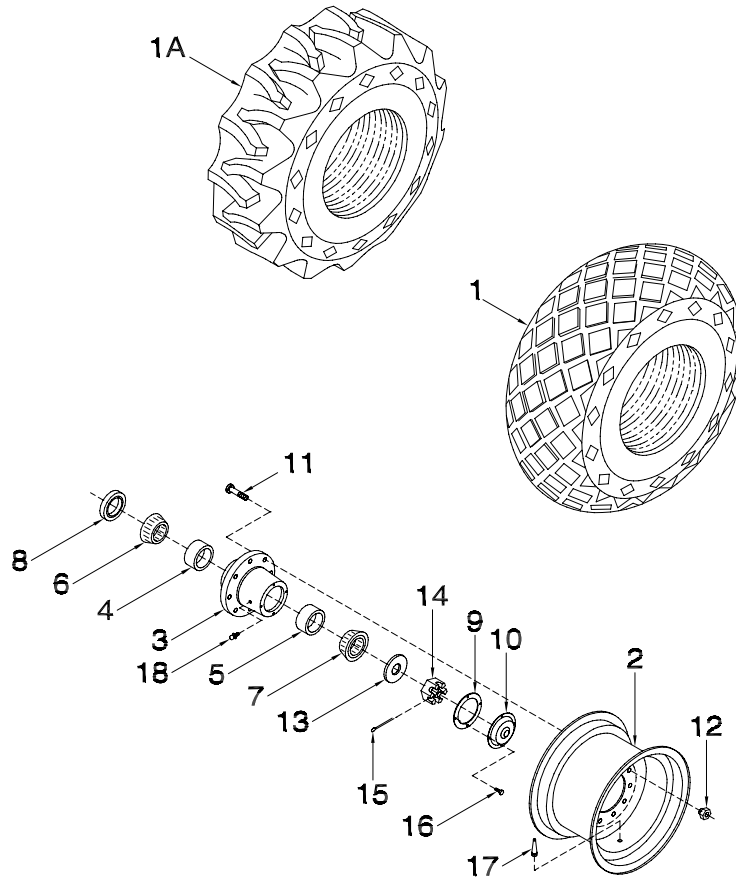


Item	Part No.	Description	Qty
7130 / 7180 Rear Wheels			
1	N29276	Tire - 16.5L x 16.1 (6 Ply Rating) (STII) 7130	1
1A	N29278	Tire (Lug) - 16.5L x 16.1 (6 Ply Rating) (SGTR) (Optional 7130)	1
1	N19708	Tire - 21.5L x 16.1 (6 Ply Rating) (STII) 7180	1
1A	N29294	Tire (Lug) - 21.5L x 16.1 (8 Ply Rating) (SGTR) (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



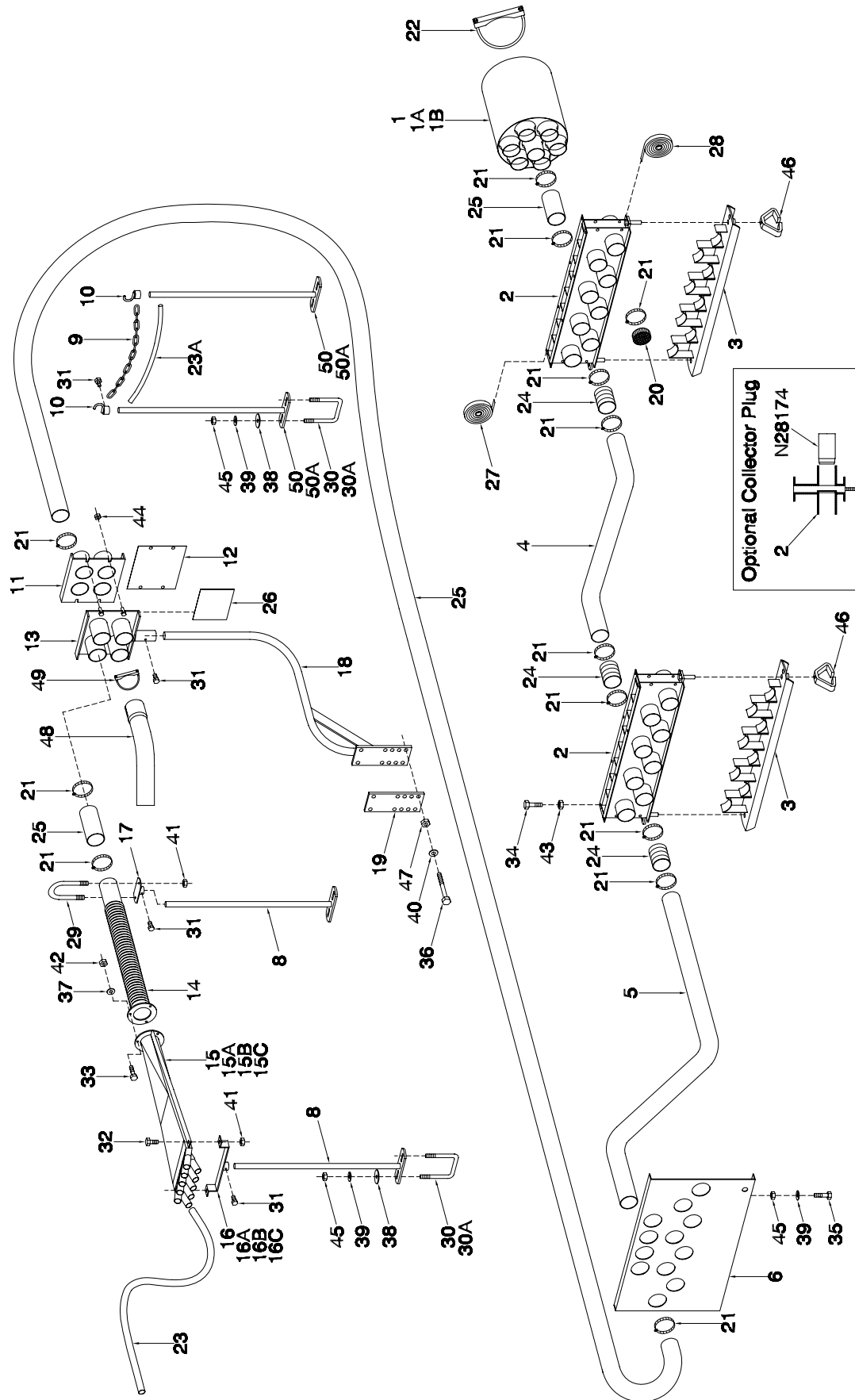
Item	Part No.	Description	Qty
7180 TPH / 7240 / 7252 / 7300 Rear Wheels			
1	N13963	Tire (AWT) - 23.1 x 26 (8 Ply Rating) 7240 / 7252	1
	N25617	Tire (AWT) - 23.1 x 26 (12 Ply Rating) 7300 / 7240 Three Point Hitch	1
	N25617	Tire (AWT) - 23.1 x 26 (12 Ply Rating) (Optional 7180 Three Point Hitch)	1
1A	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 Rear Tank 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

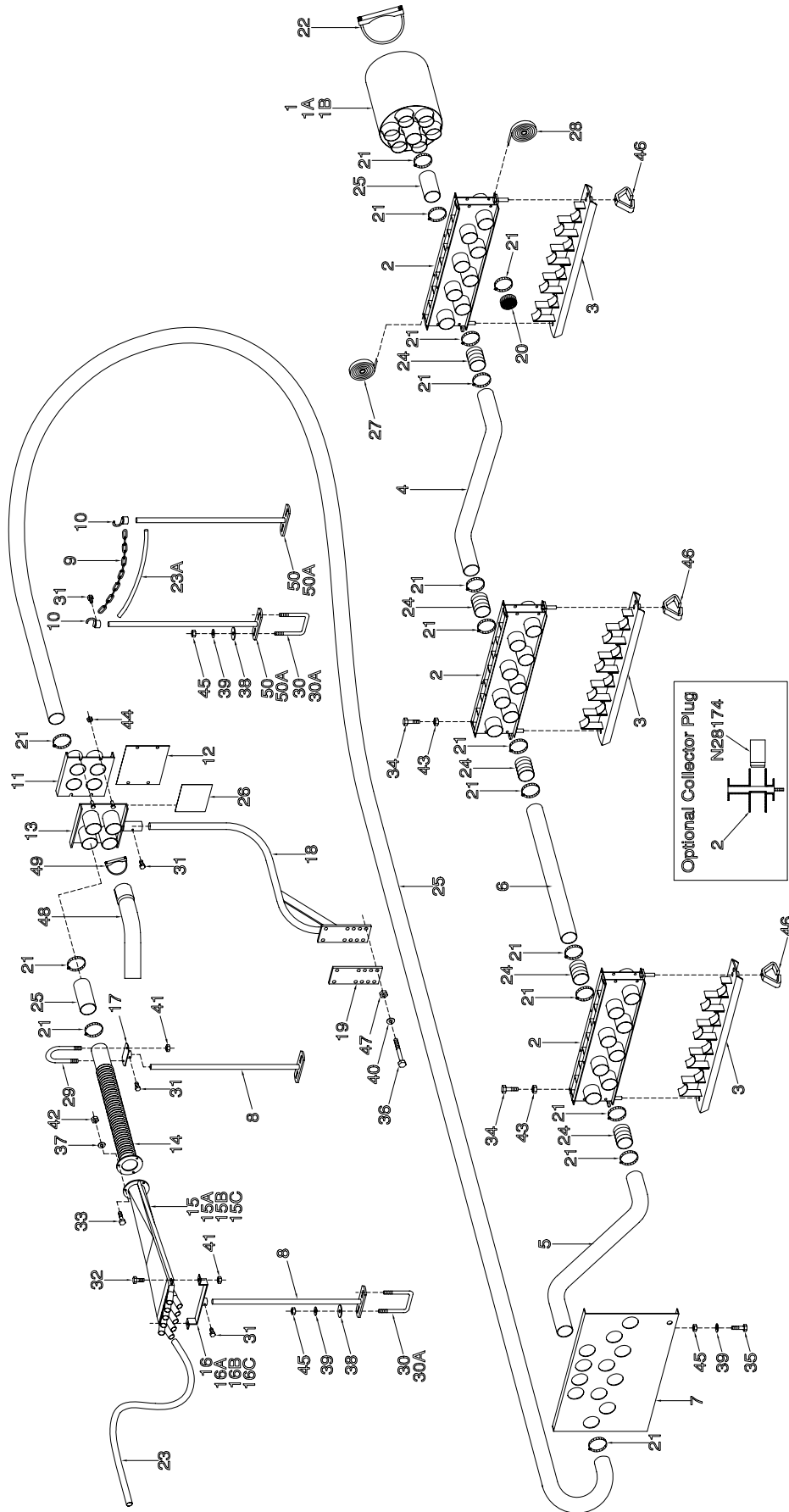
Distribution Single Shoot Tow Behind



Distribution - Single Shoot Tow Behind

Item	Part No.	Description	No: Used					
			21-30	31-40	41-50	51-60	61-70	71-80
			Runs	Runs	Runs	Runs	Runs	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

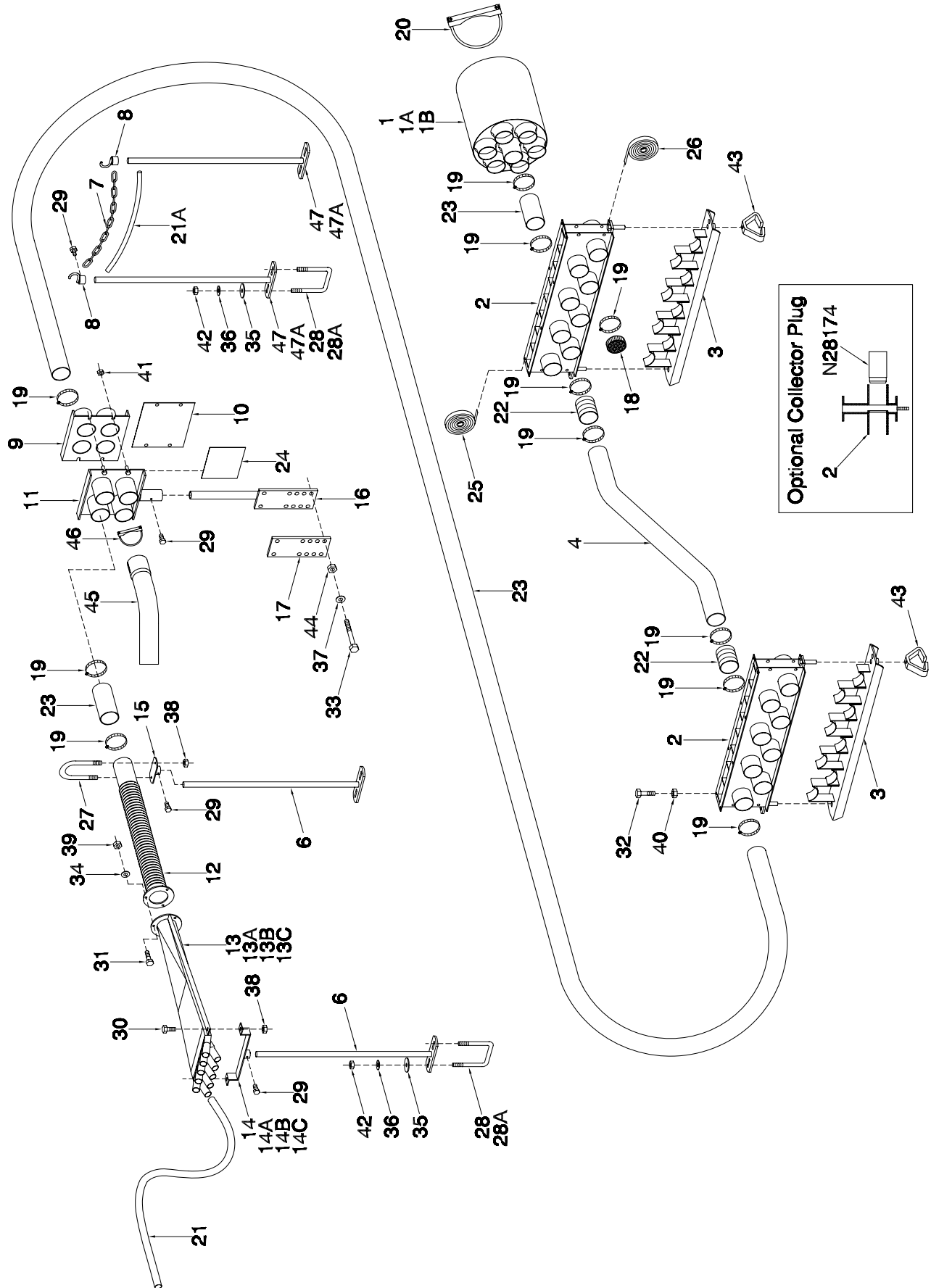
Distribution Single Shoot Tow Behind 7252



Distribution - Single Shoot Tow Behind 7252

Item	Part No.	Description	No: Used					
			21-30	31-40	41-50	51-60	61-70	71-80
			Runs	Runs	Runs	Runs	Runs	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

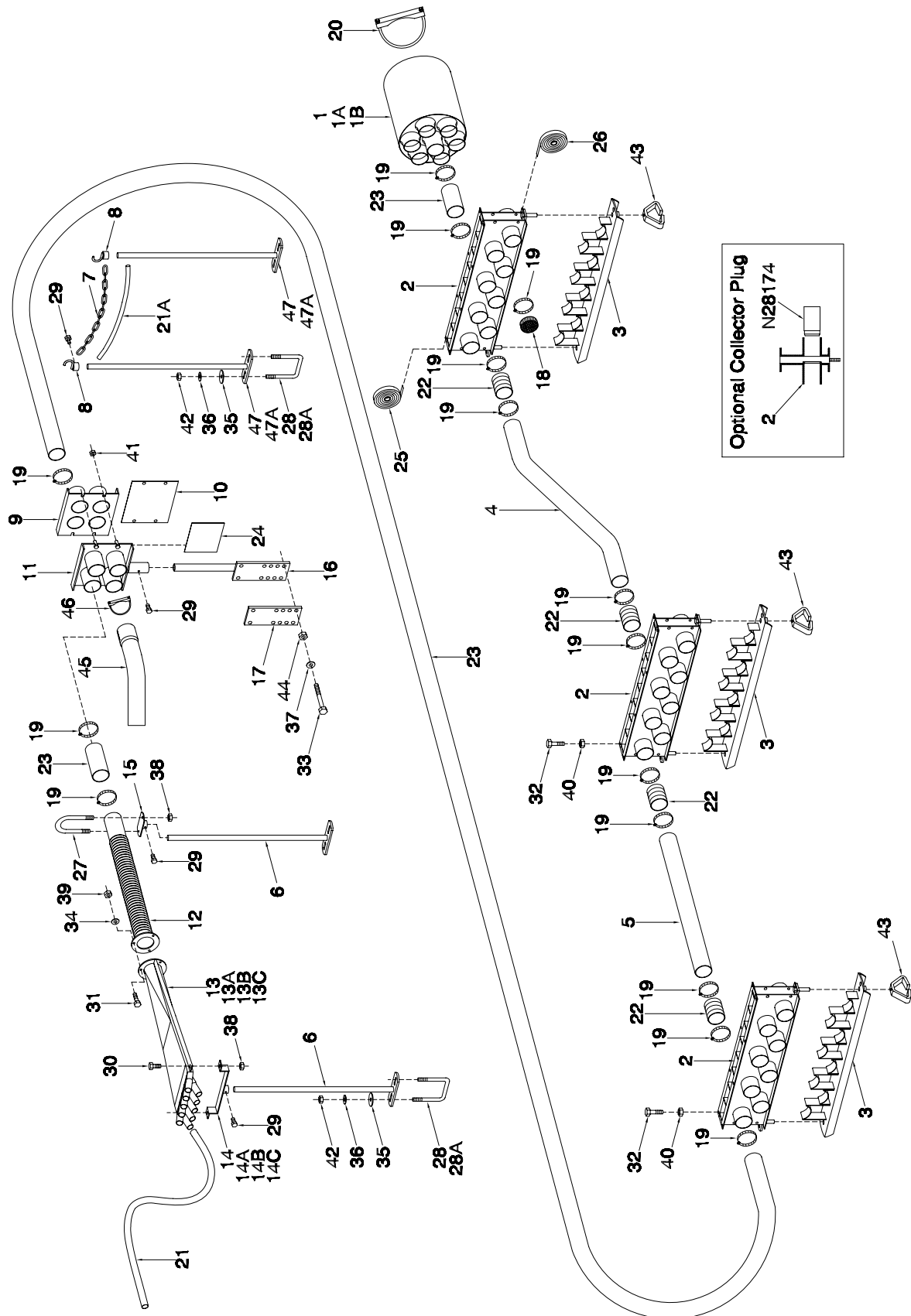
Distribution Single Shoot Tow Between



Distribution - Single Shoot Tow Between

Item	Part No.	Description	No: Used					
			21-30	31-40	41-50	51-60	61-70	71-80
			Runs	Runs	Runs	Runs	Runs	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

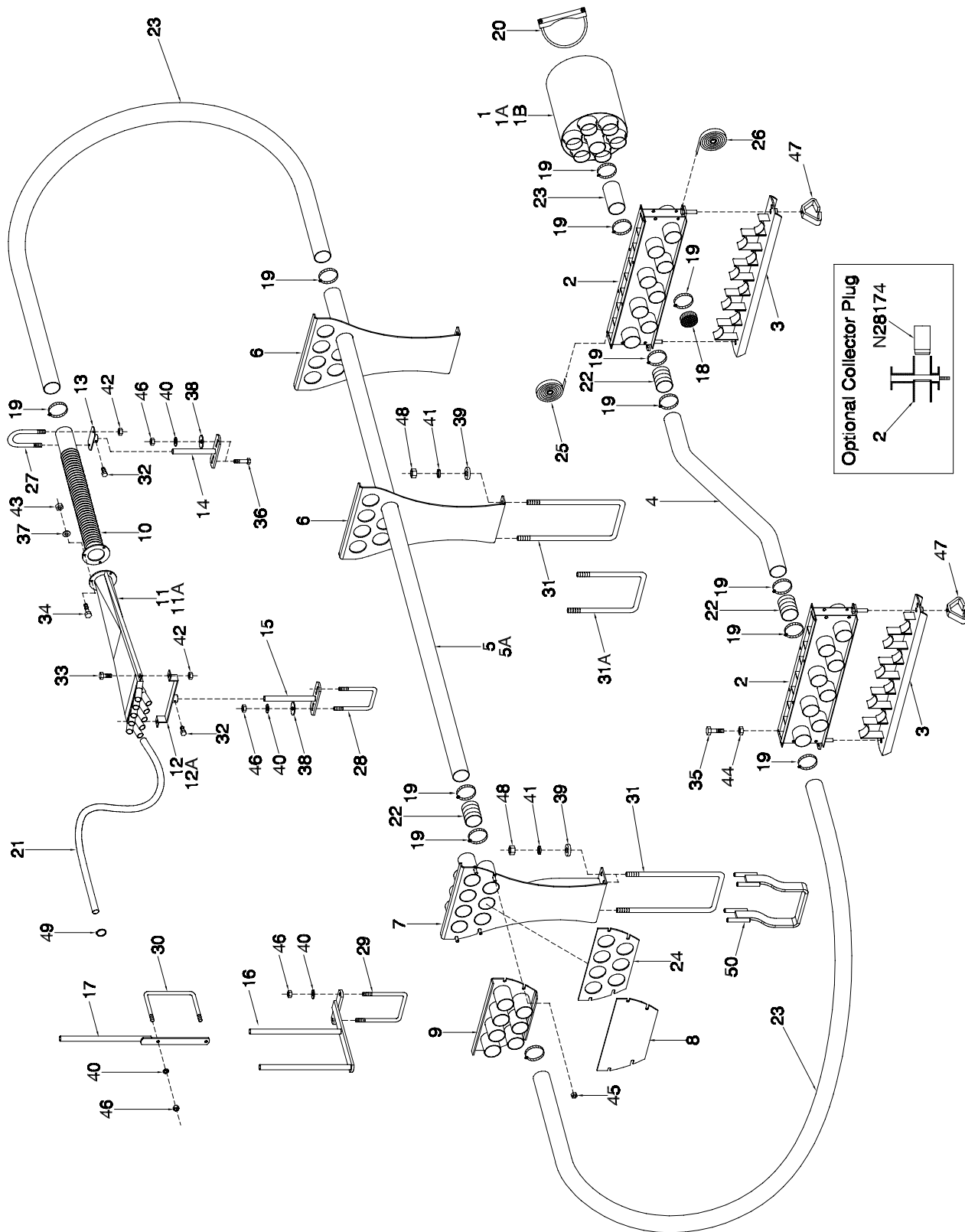
Distribution Single Shoot Tow Between 7252



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

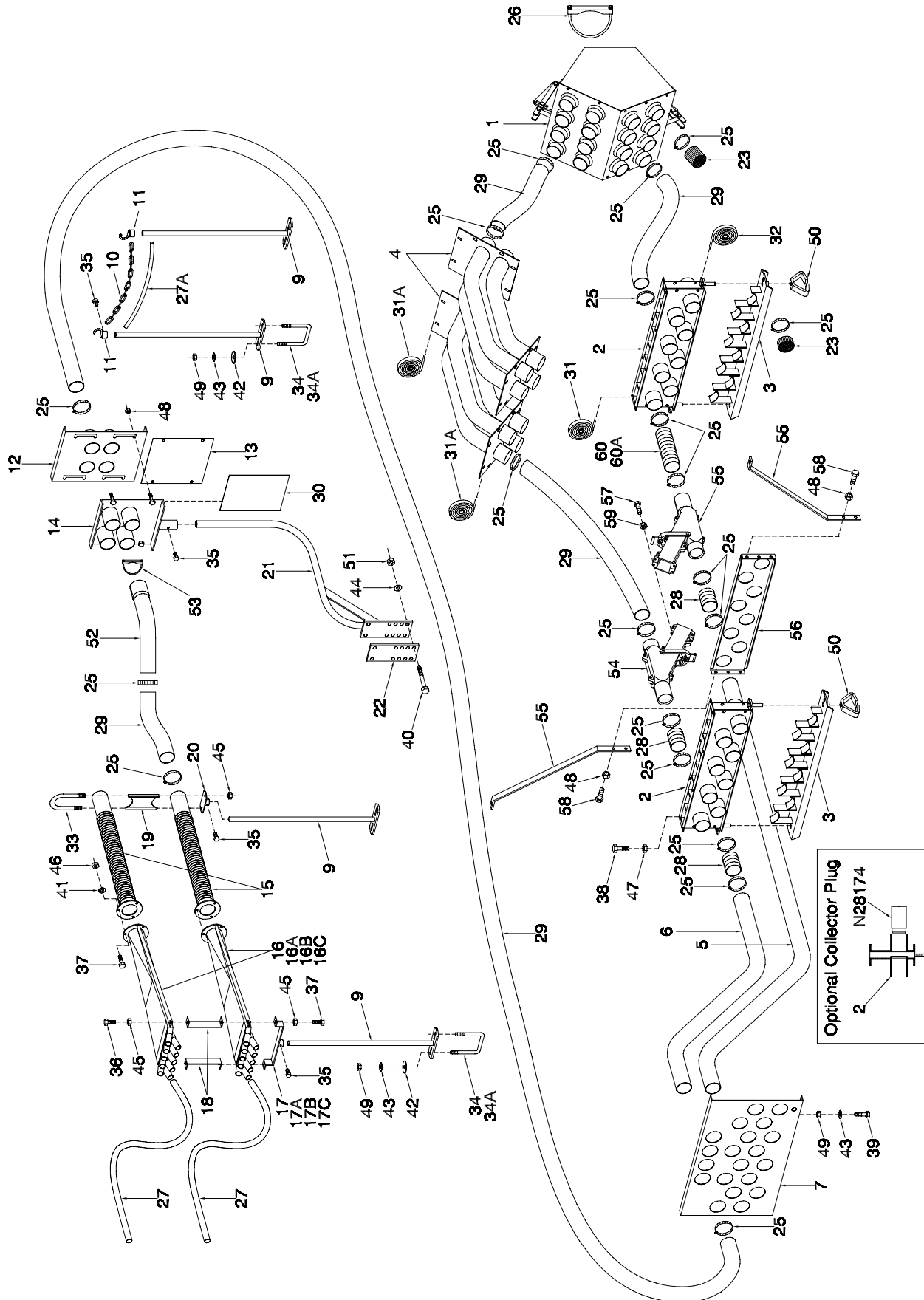
Distribution Single Shoot Tow Between Xpress



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



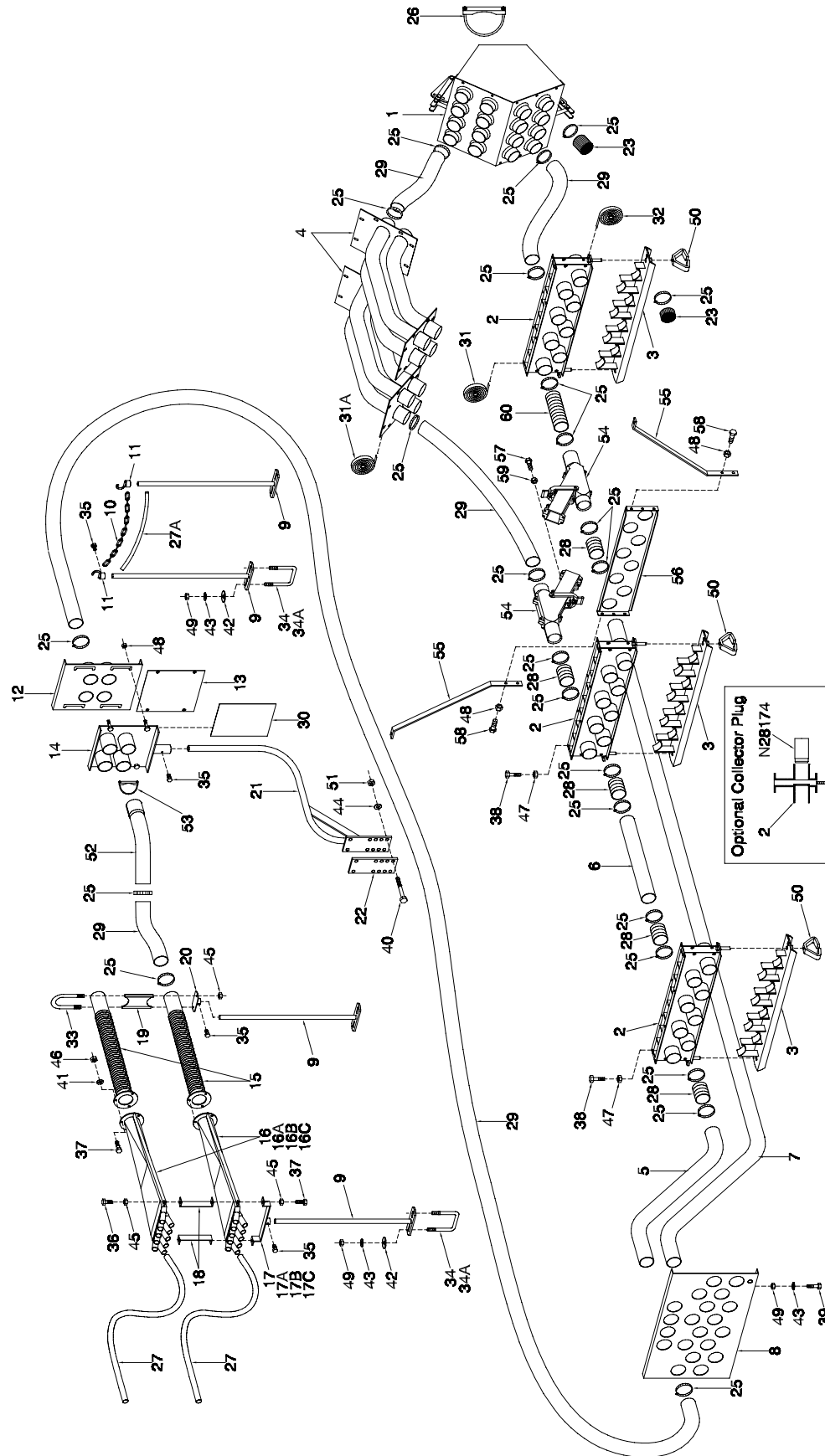
Distribution - Dual Shoot Tow Behind

Item	Part No.	Description	No: Used					
			21-30	31-40	41-50	51-60	61-70	71-80
			Runs	Runs	Runs	Runs	Runs	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



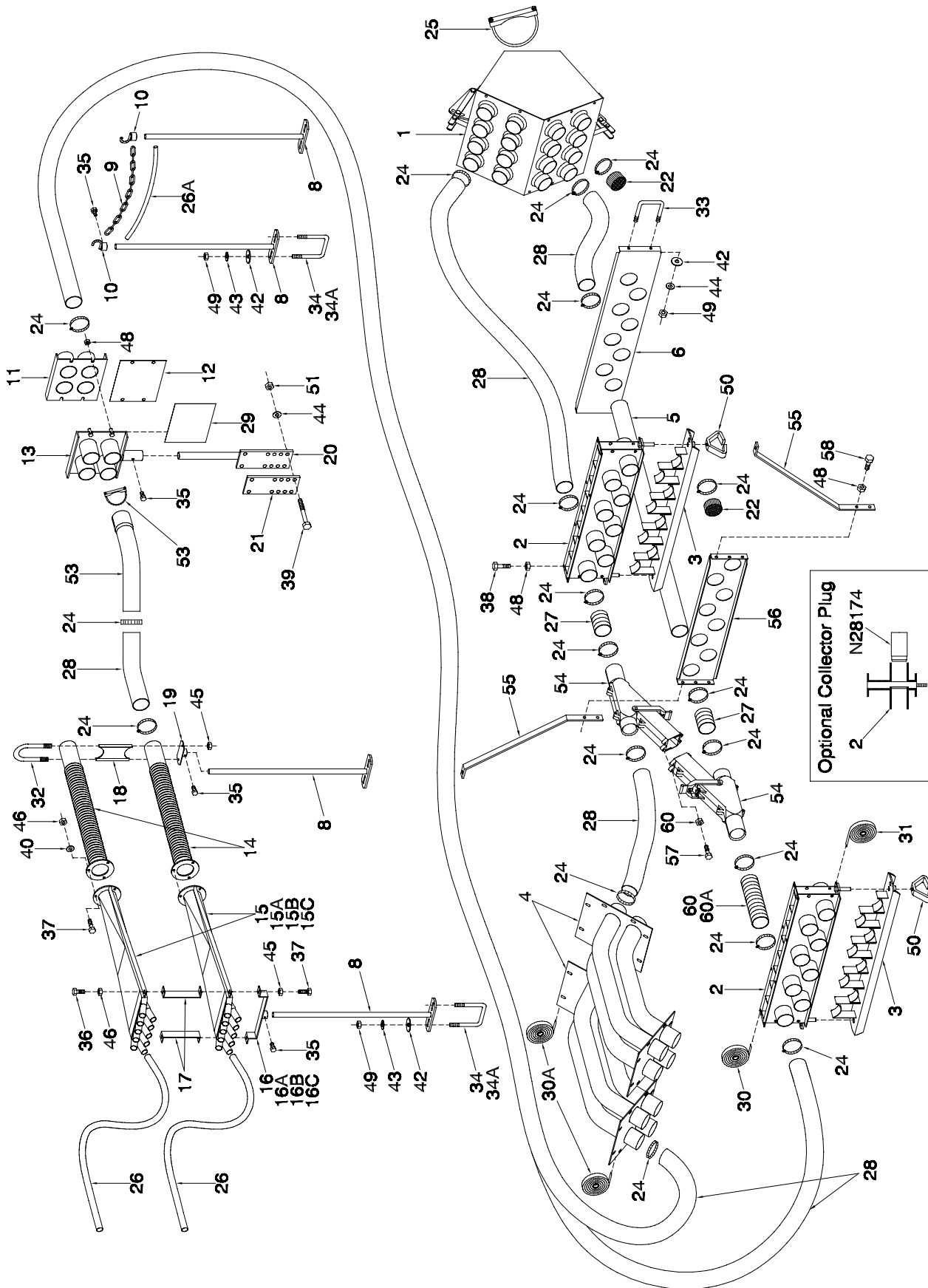
Distribution - Dual Shoot Tow Behind 7252

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 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-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



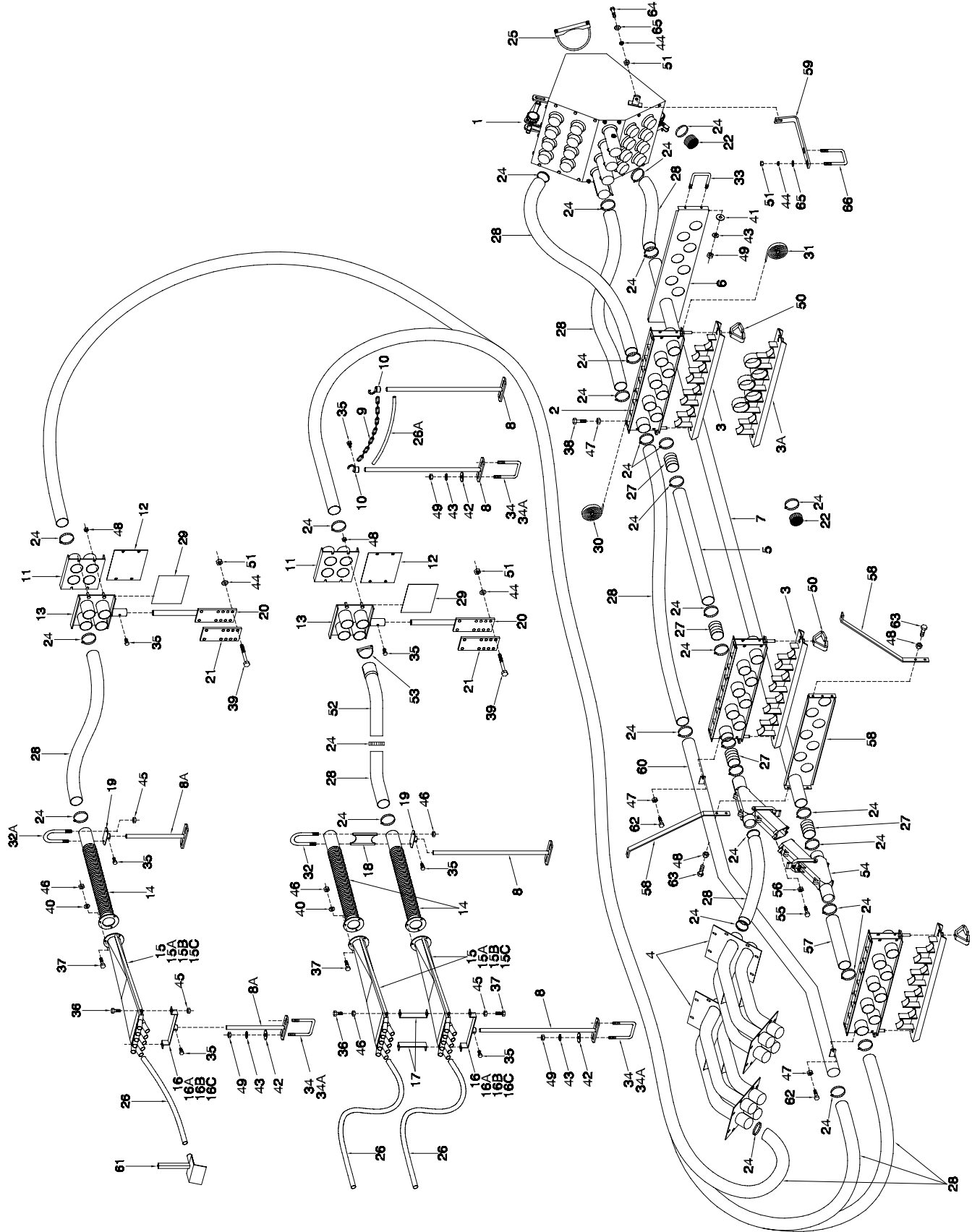
Distribution - Dual Shoot Tow Between 7252

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



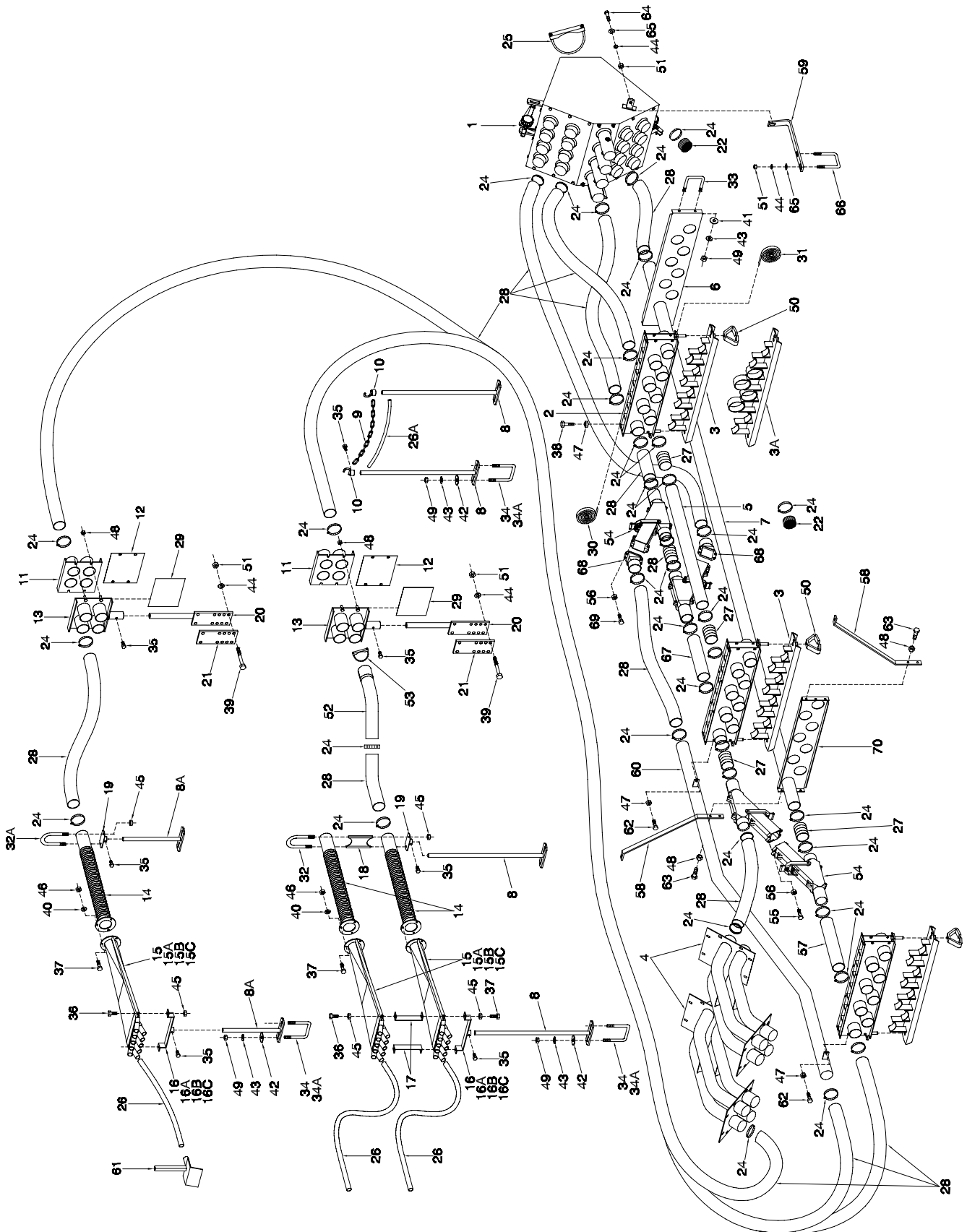
Distribution - Broadcast 7252 Front Tank Tow Between - 4 & 5 Primaries

Item	Part No.	Description	No: Used	
			31-40 Runs	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	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



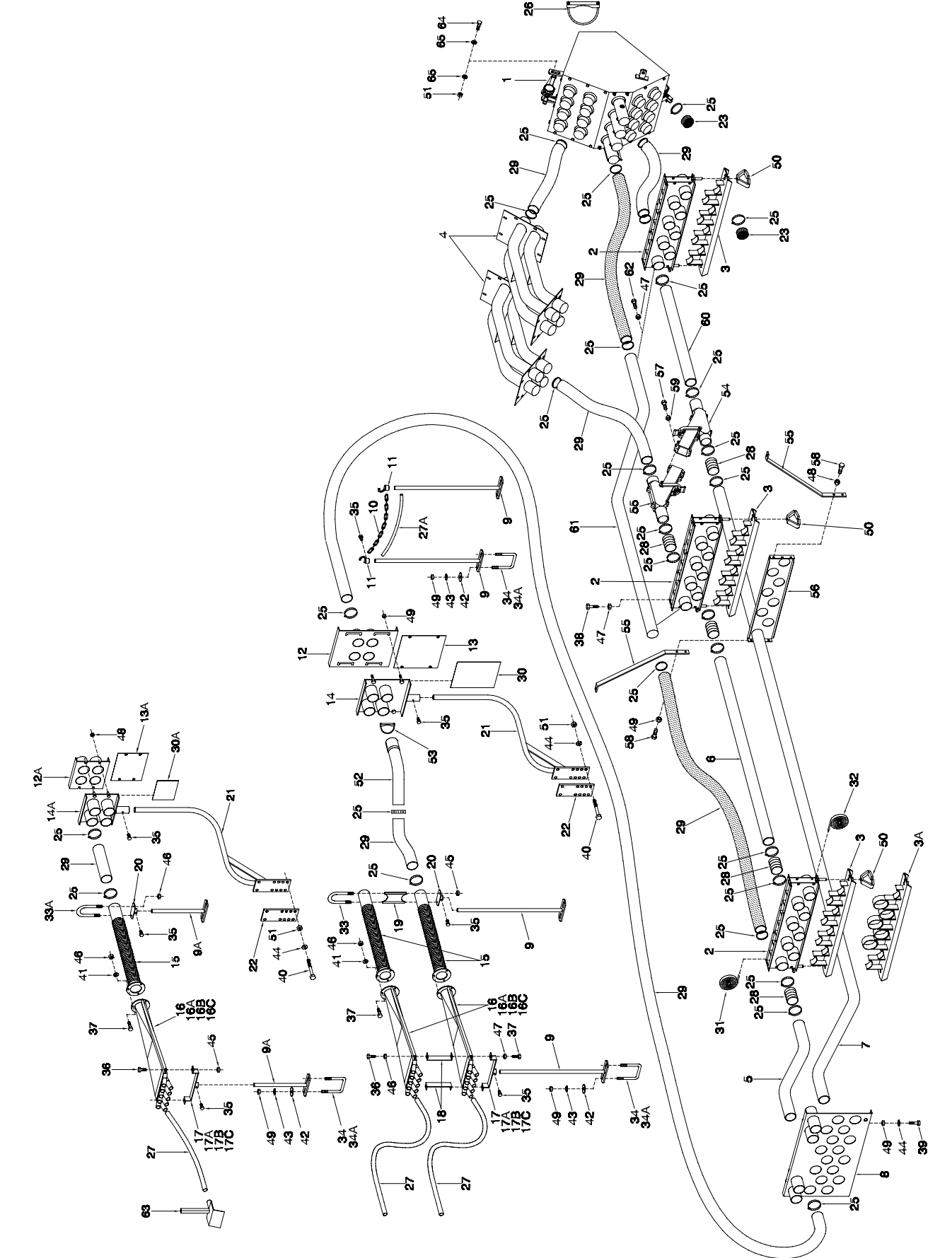
Distribution - Broadcast 7252 Front Tank Tow Between - 6 & 8 Primaries

Item	Part No.	Description	No: Used	
			31-40 Runs	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	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



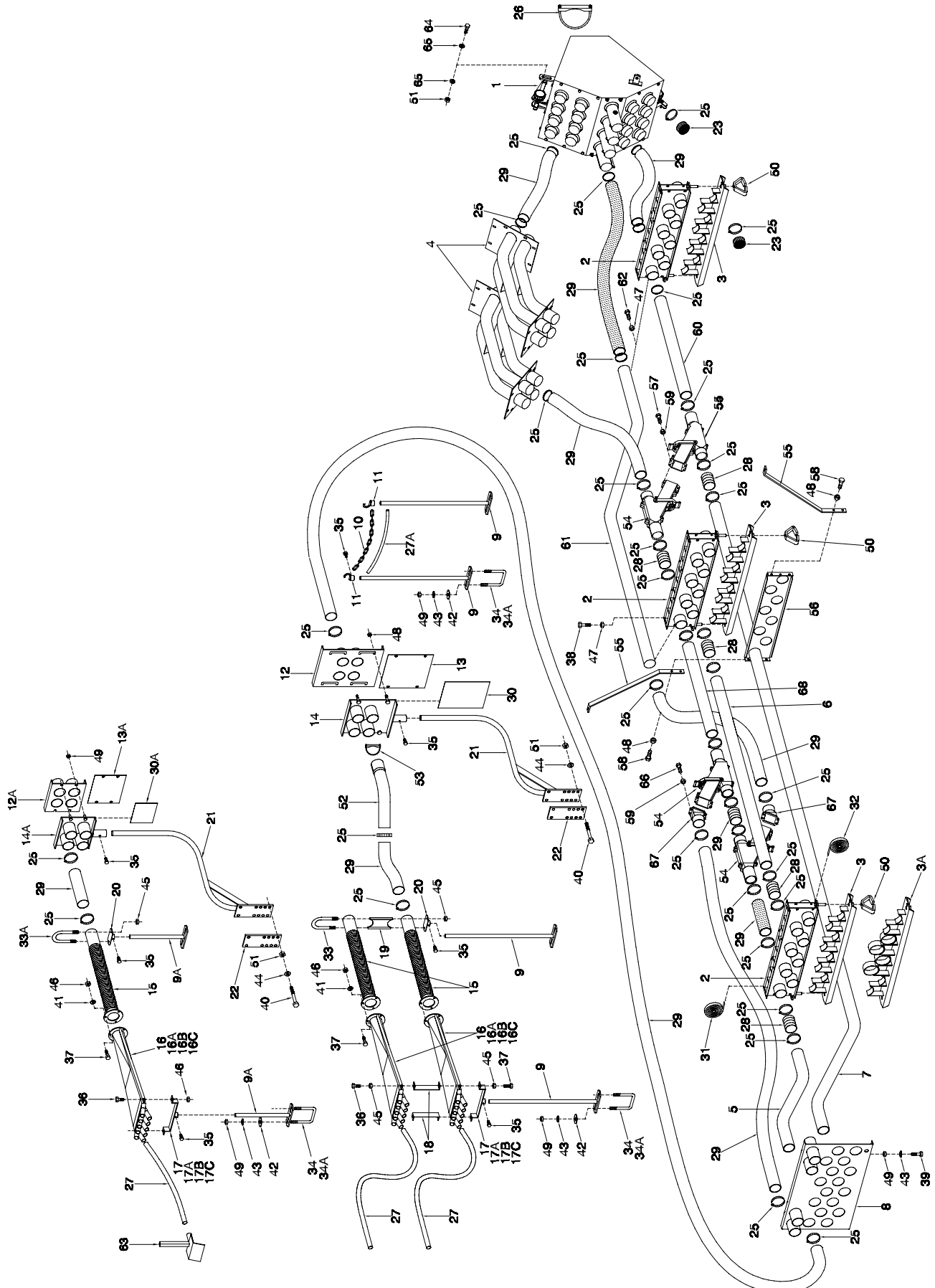
Distribution - Broadcast 7252 Front Tank Tow Behind - 4 & 5 Primaries

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	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



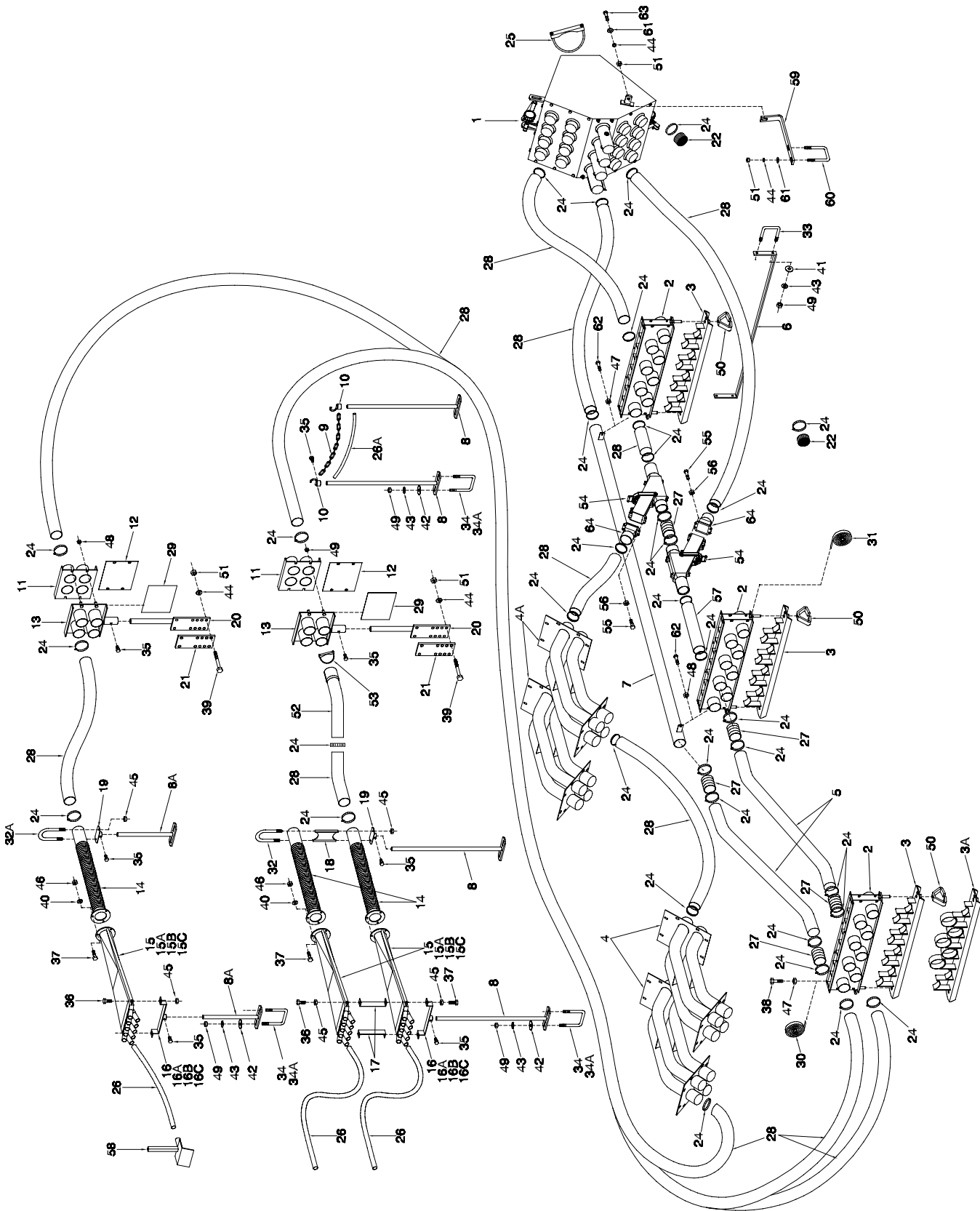
Distribution - Broadcast 7252 Front Tank Tow Behind - 6 & 8 Primaries

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	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

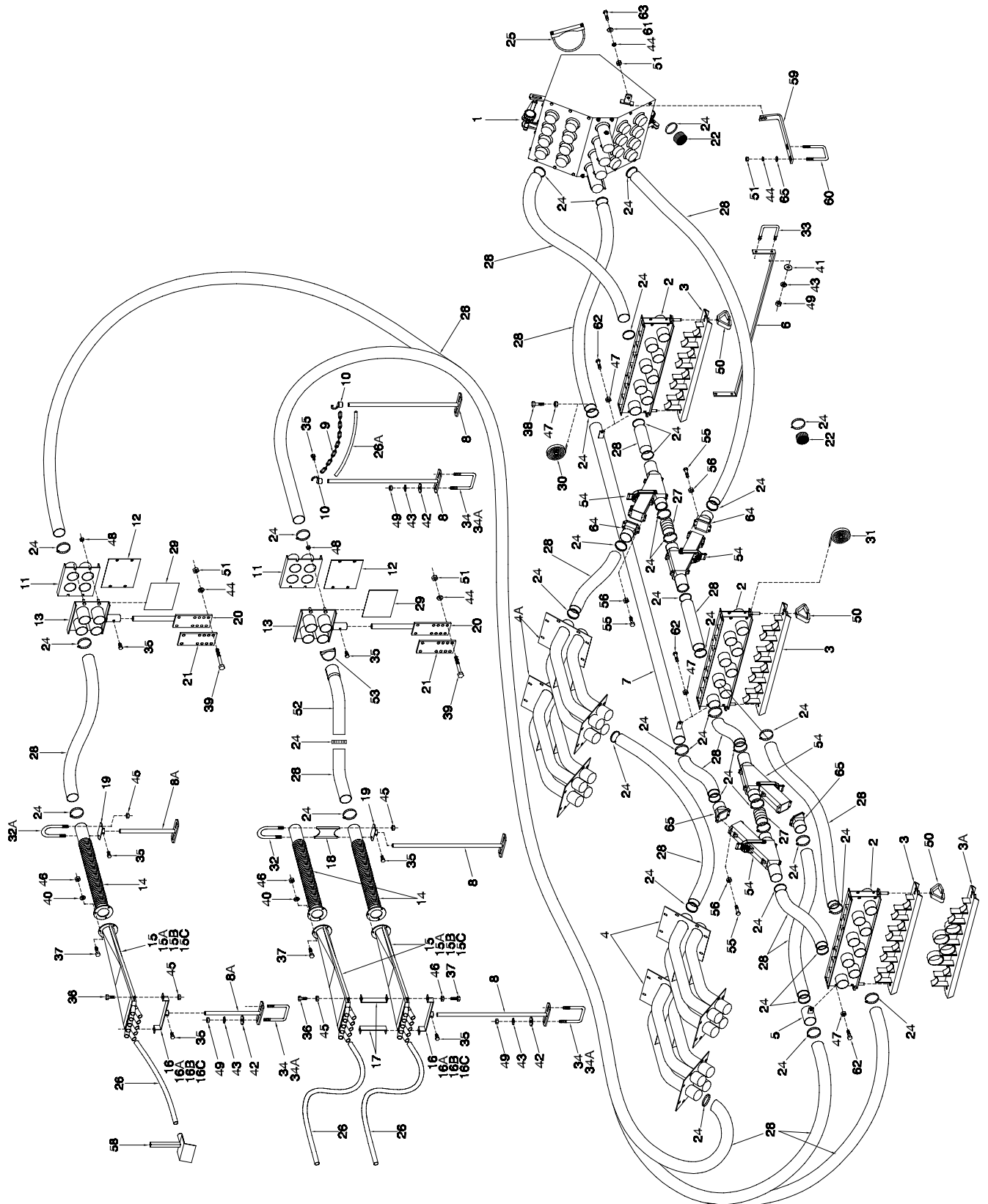


Distribution - Broadcast 7252 Rear Tank Tow Between - 4 & 5 Primaries				
Item	Part No.	Description	No: Used	
			31-40 Runs	41-50 Runs
1	N32440	Plenum Assembly - Broadcast	1	1
2	N45125	Collector - 8 Outlet	3	3
3	N19693	Cover - Cleanout - 8 Outlet	3	3
3A	N33159	Cover - Cleanout - 3-5 Primary Broadcast	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	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

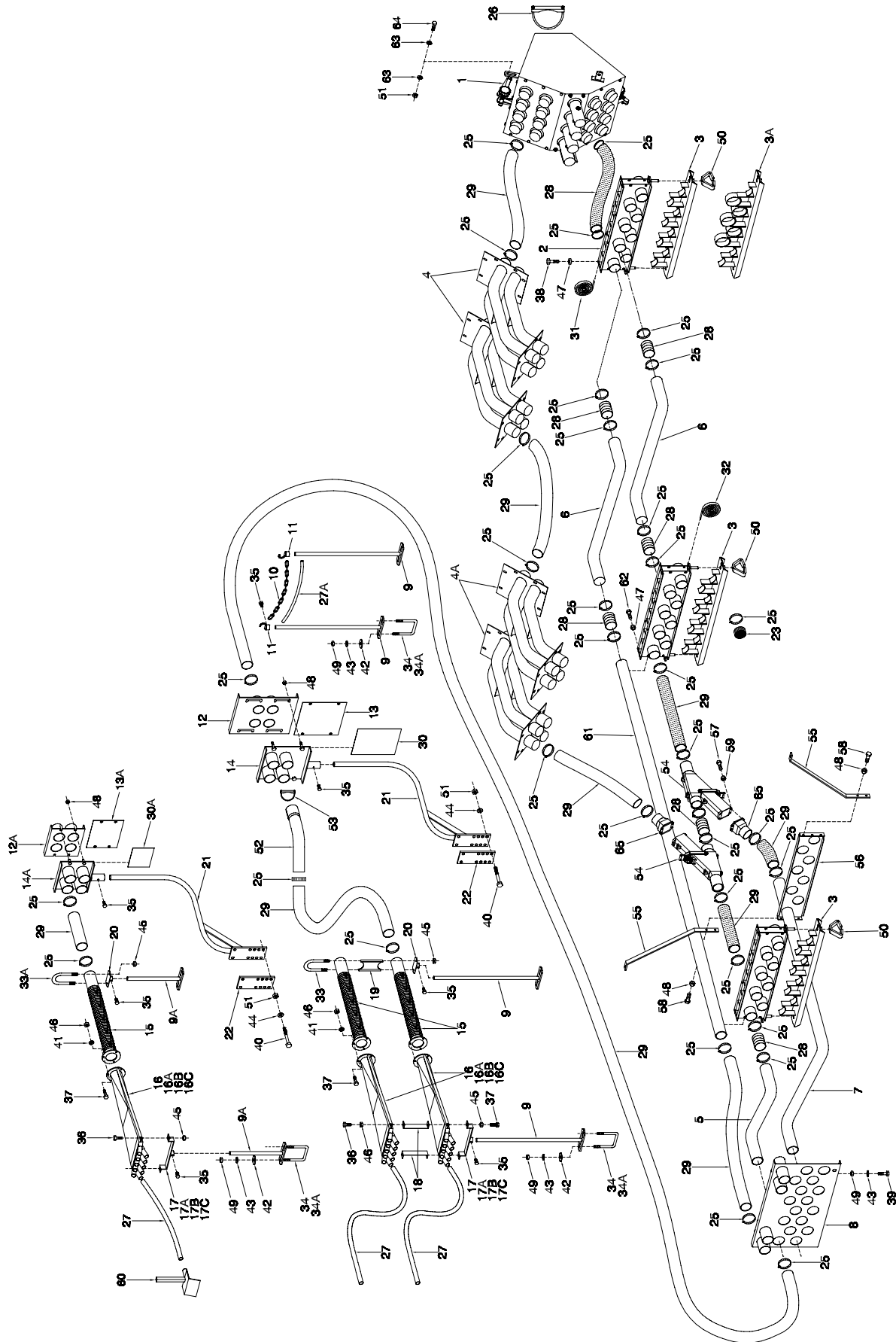


Distribution - Broadcast 7252 Rear Tank Tow Between - 6 & 8 Primaries

Item	Part No.	Description	No: Used	
			51-60 Runs	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	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



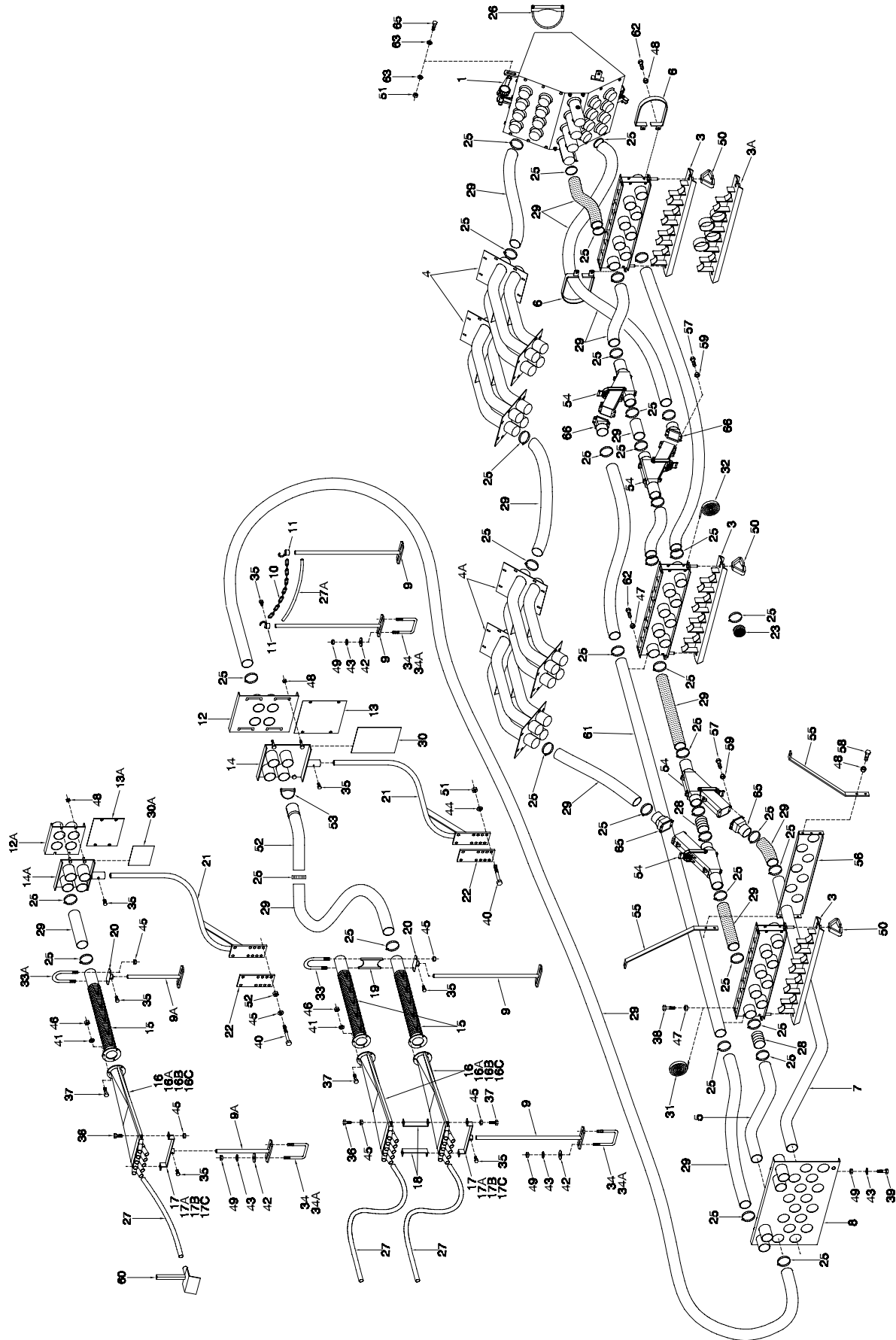
Distribution - Broadcast 7252 Rear Tank Tow Behind - 4 & 5 Primaries

Item	Part No.	Description	No: Used	
			31-41 Runs	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	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



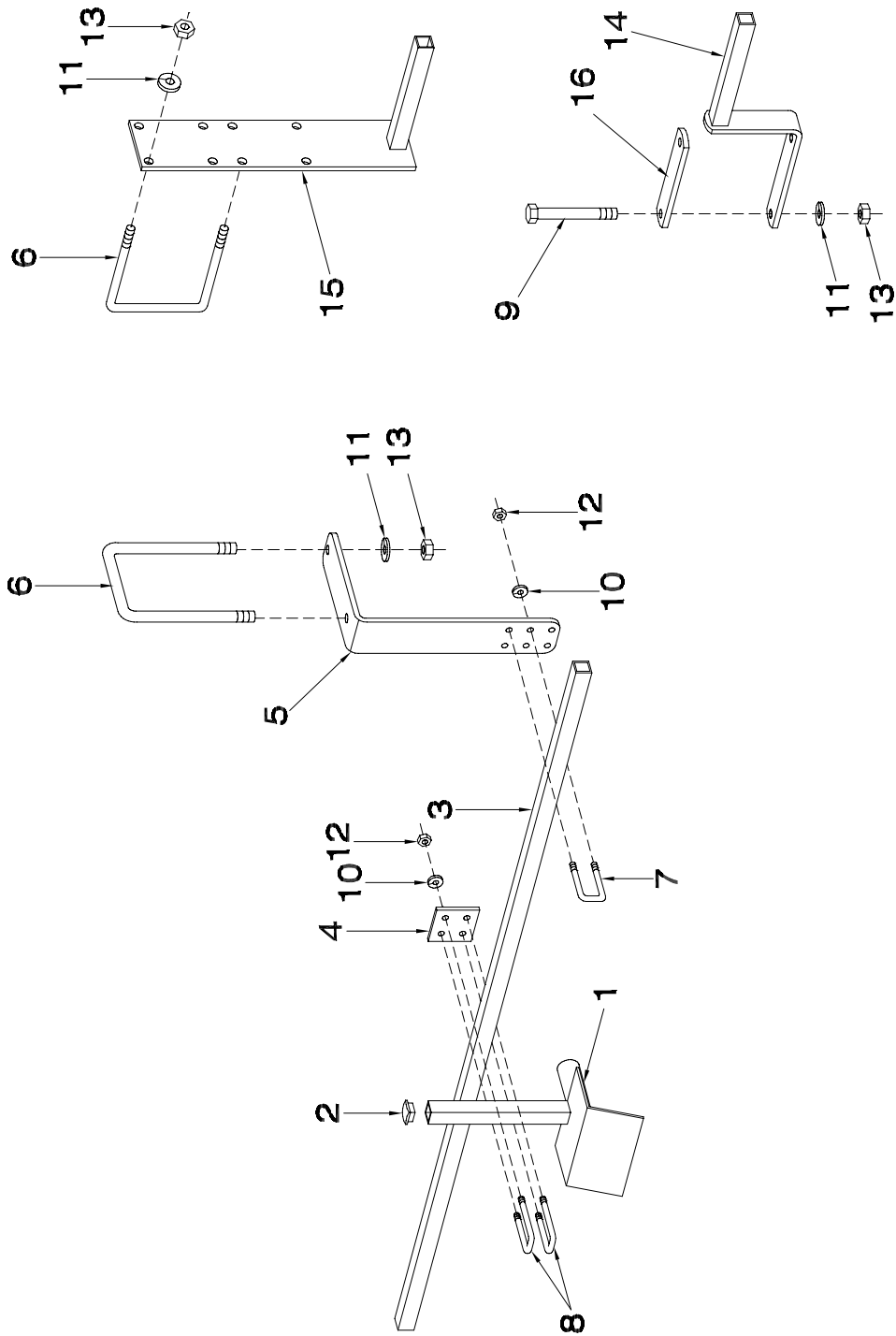
Distribution - Broadcast 7252 Rear Tank Tow Behind - 6 & 8 Primaries

Item	Part No.	Description	No: Used	
			51-60 Runs	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	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

Distribution Broadcast 7252 Deflector Mounts



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



APPLY SILICONE TO MOUNTING SURFACE

**APPLY SILICONE TO
SQUARE SECTION OF
CARRIAGE BOLT**

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

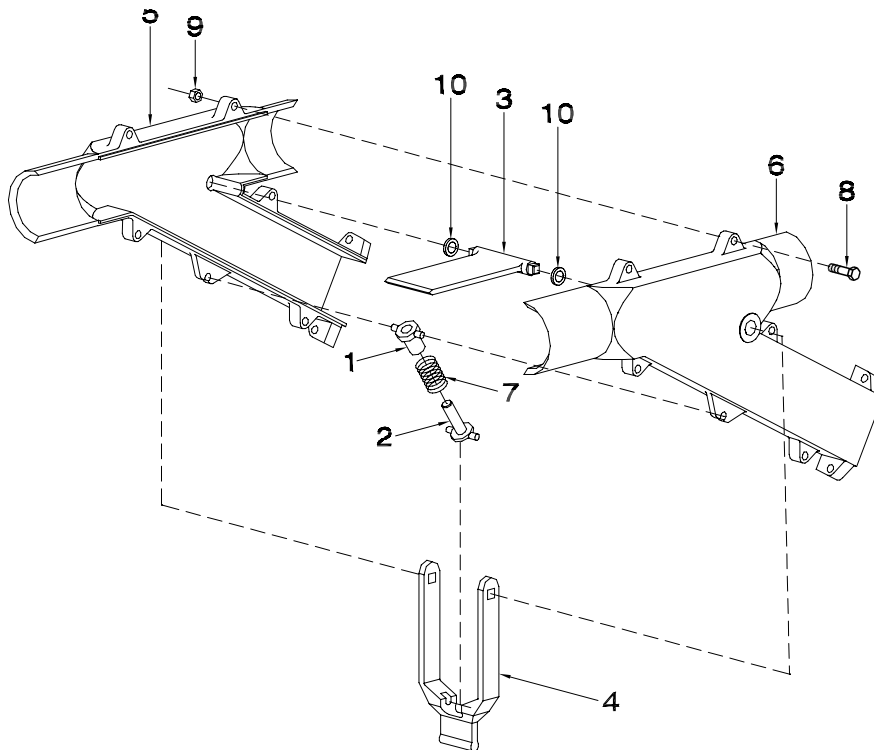
Head Size	Number of Secondary Outlets																																																			
	3 Primaries							4 Primaries							5 Primaries										6 Primaries																											
	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52																		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

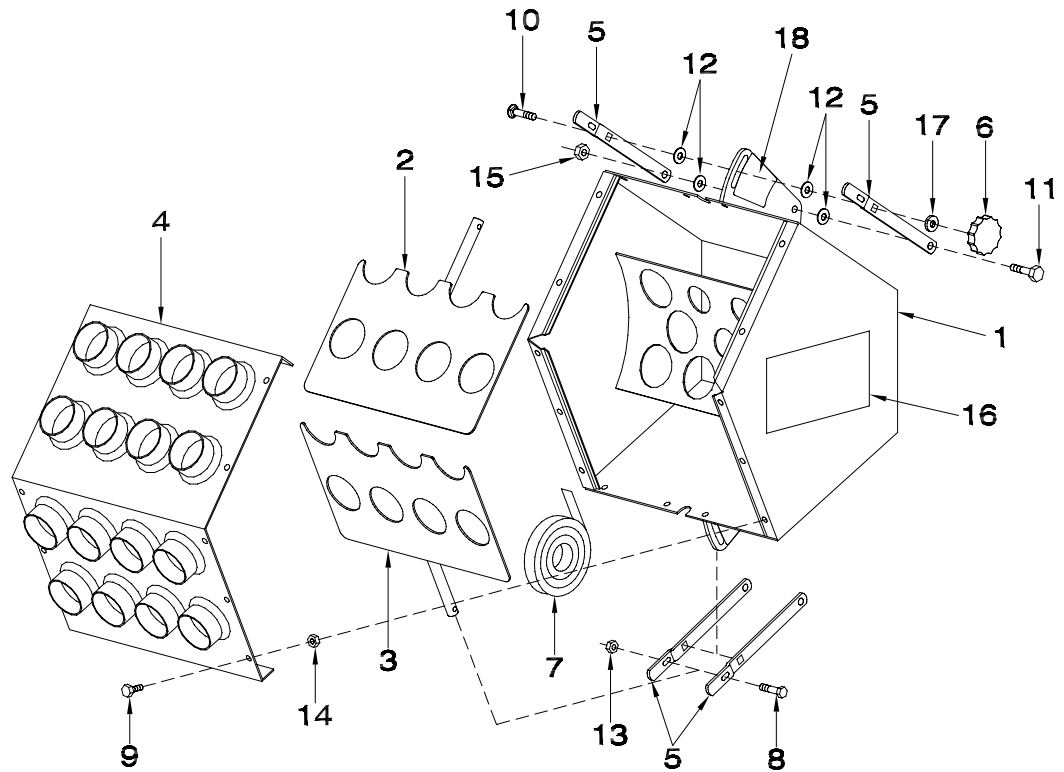
Item	Part No.	Description	Qty
SEVEN OUTLET DIVIDER HEAD			
1	N31177	Divider Head - 7 Outlet	1
2	N31160	Access Door - 7 Outlet	1
3	N31165	Clip	2
4	N31171	Gasket - 7 Outlet	1
5	N31012	Carriage Bolt - 5/16 x 1 1/4	2
6	N31014	Hex Jam Nut - 5/16	2
7	N31016	Wing Nut - 5/16	2
	N31187	7 Outlet Divider Head Assembly (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



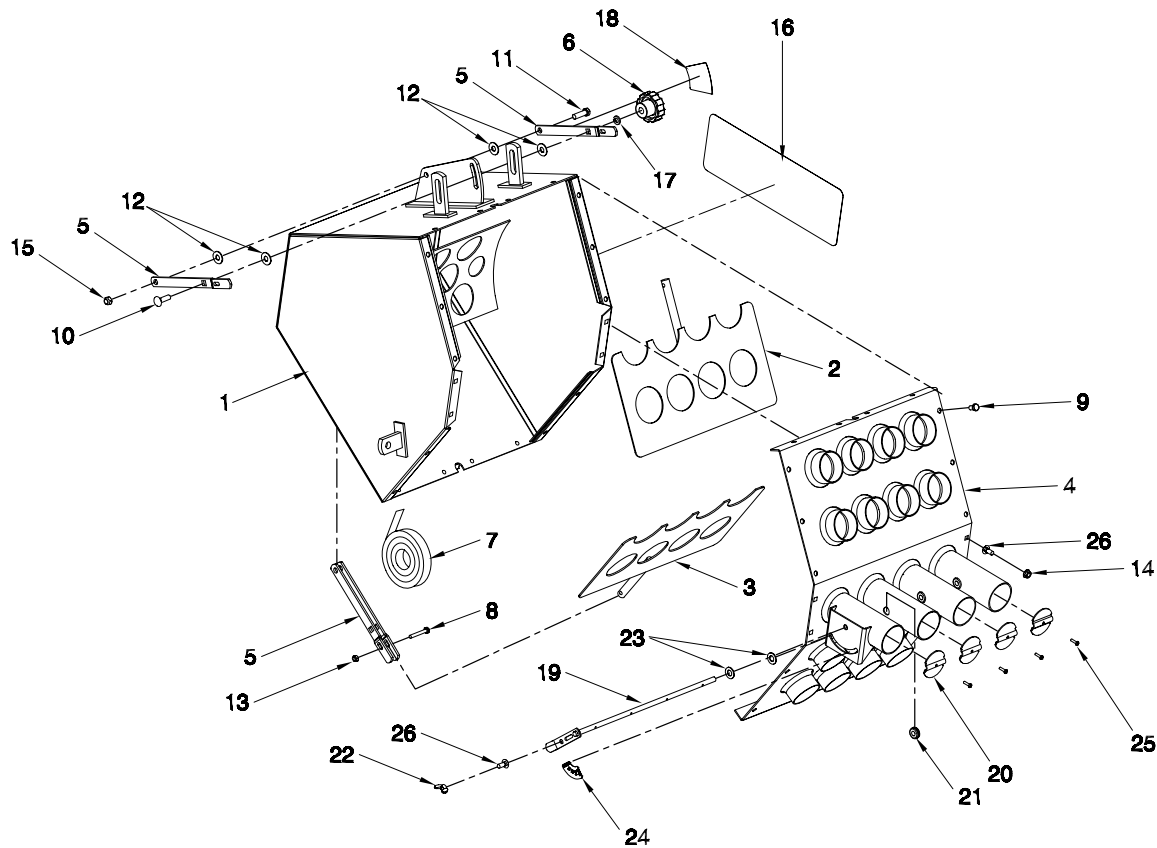
Item	Part No.	Description	Qty
1	N29080	Spring Pin - Female	1
2	N28805	Spring Pin - Male	1
3	N28806	Flapper	1
4	N28807	Handle	1
5	N28808	Valve Body - Right	1
6	N28809	Valve Body - Left	1
7	N11847	Spring - 0.72 OD x 1 3/4 Lg	1
8	W-470	Hex Bolt - 1/4 x 1 1/4 Lg	5
9	N22778	Locknut - 1/4 Nylon Insert	5
10	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



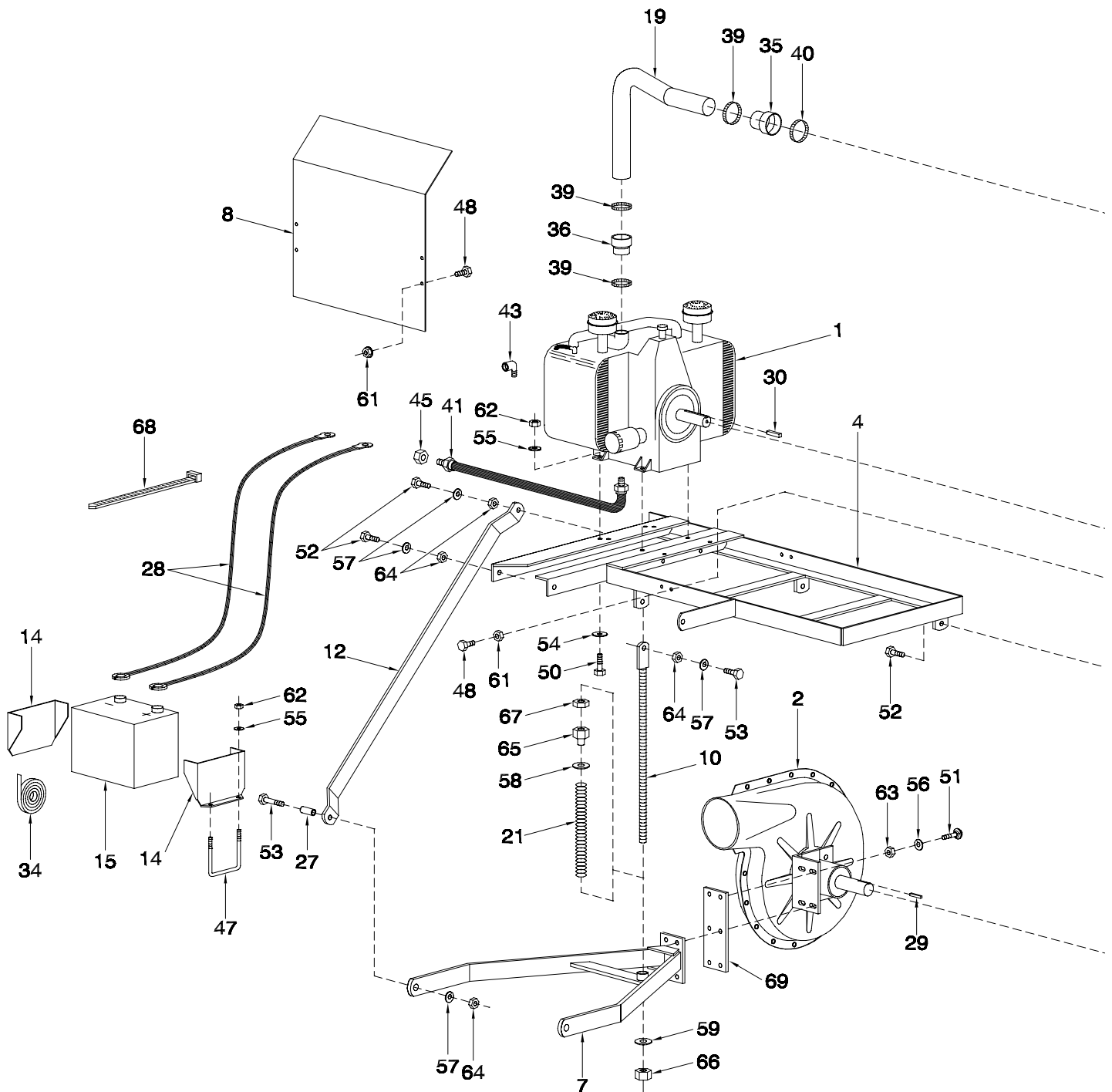
Item	Part No.	Description	Qty
1	N32180	Plenum Body - Broadcast	1
2	N32183	Shutoff Slide - Top	1
3	N32175	Shutoff Slide - Bottom	1
4	N32444	Plenum Face Plate - Broadcast	1
5	N27843	Adjustment Strap - Plenum	4
6	D-5204	Knob - 3/8 UNC (Black)	2
7	D-5590	Seal Strip - 1/16 x 3/4 (Bulk/Ft)	7 Ft
8	C-1471	Hex 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

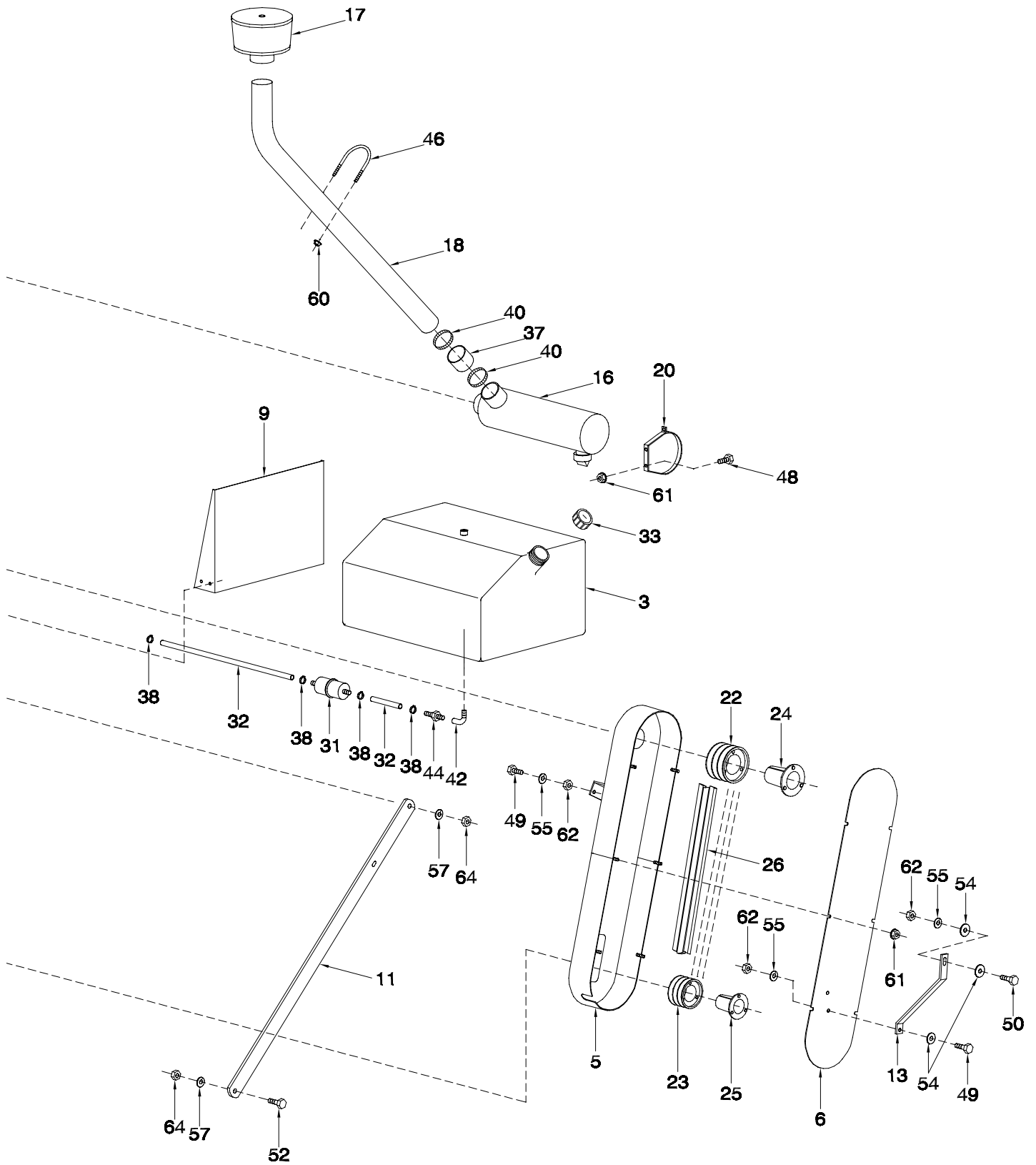
Section Contents

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



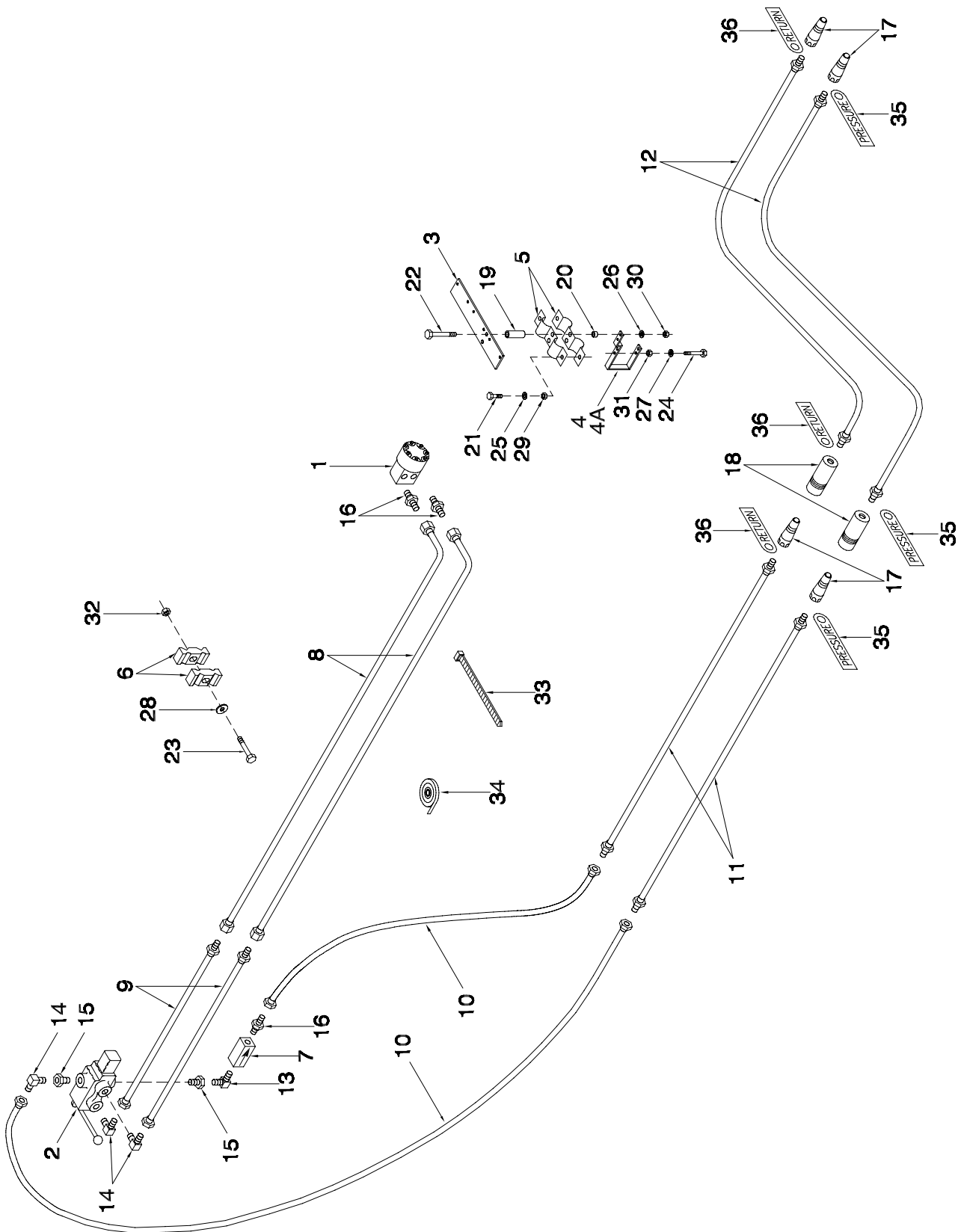
Fan & Auger Drives - Engine Drive Fan

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	

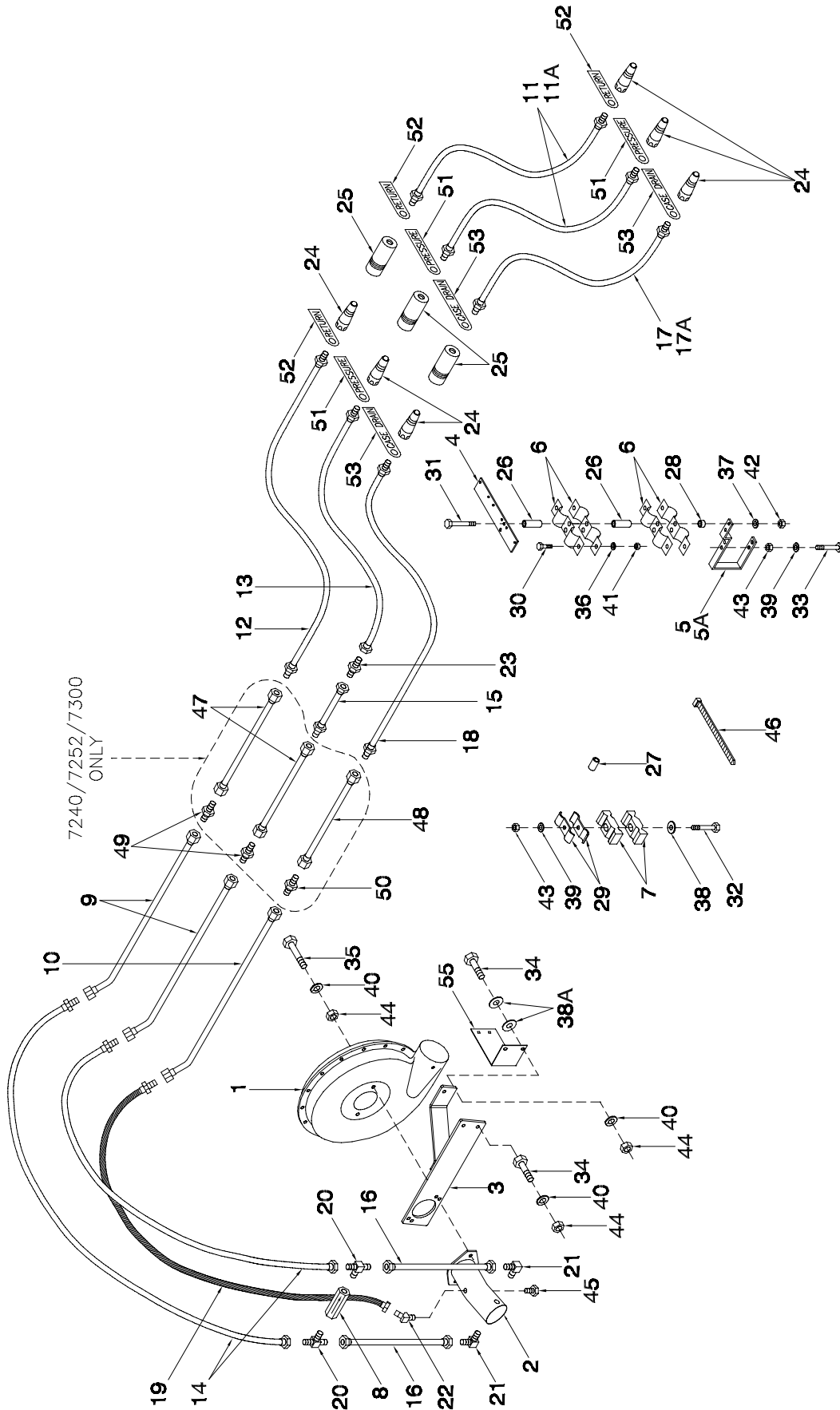
Fan & Auger Drives Engine Drive Auger Hydraulics



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

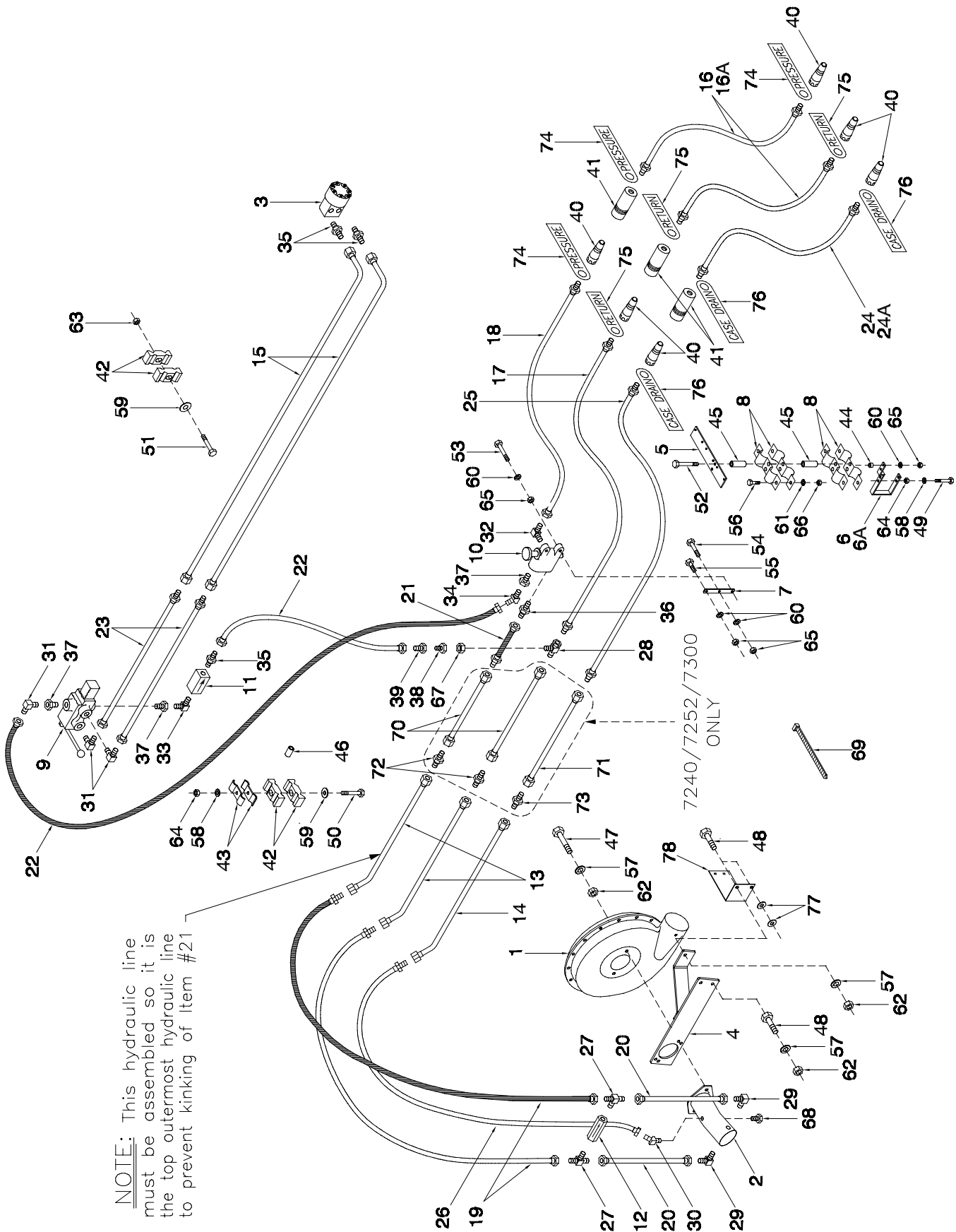
Fan & Auger Drives Tow Behind Hydraulic Drive w/o Auger



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

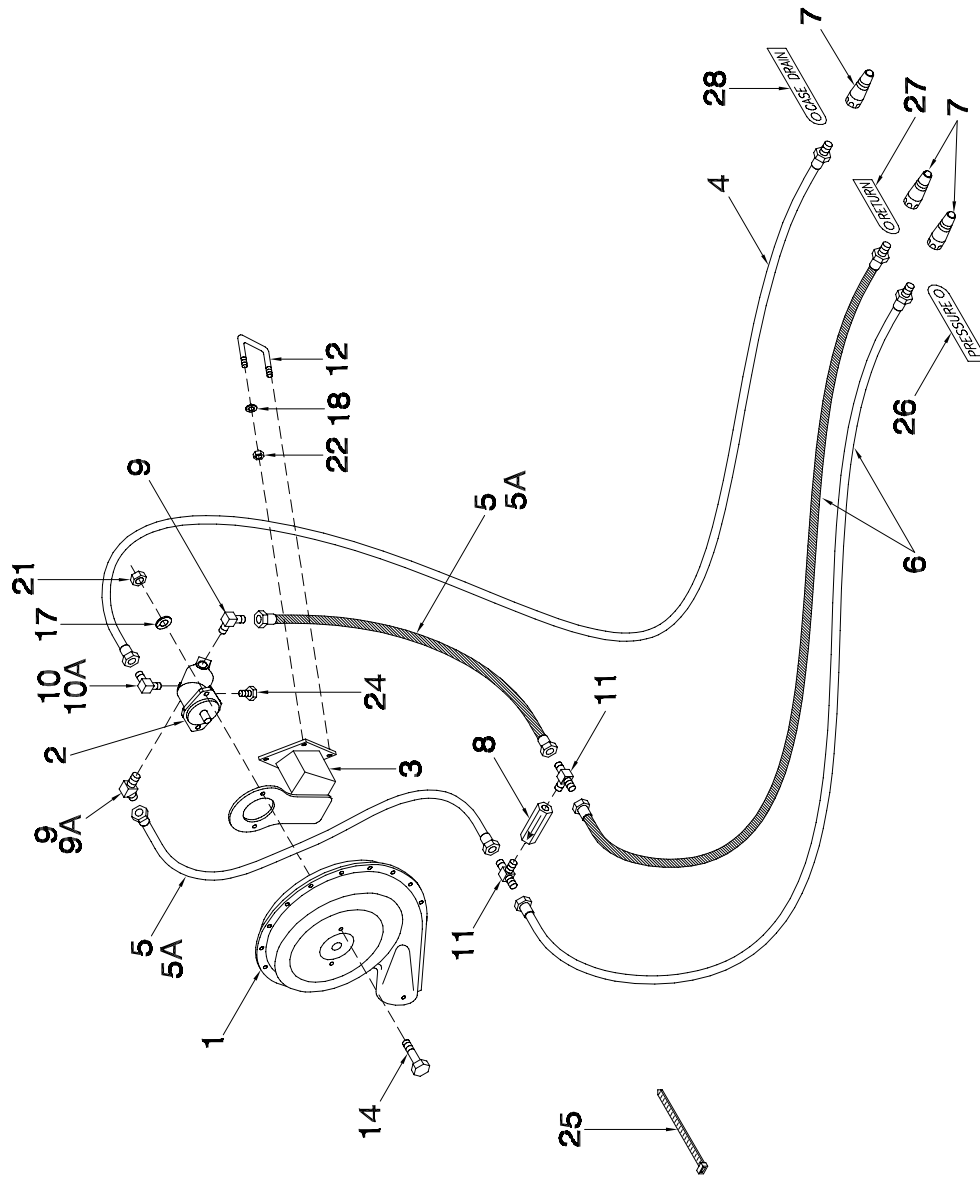
Fan & Auger Drives Tow Behind Hydraulic Drive w/Auger



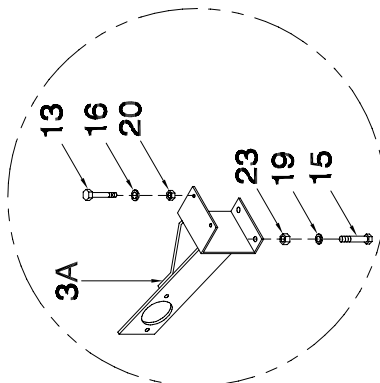
Fan & Auger Drives- Tow Behind Hydraulic Drive w/Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16263	Fan (See pg 7-2)	1	31	C-4400	90 Elbow - 1/2 MNPT x 7/8-14 MJIC	3
2	N16265	Hydraulic Motor - Rexroth - 10cc 7130	1	32	N19341	90 Elbow - 1 1/16-12 MJIC x 3/4 MNPT	1
	N29372	Hydraulic Motor - Rexroth - 12cc 7180/7240 /7252/ 7300	1	33	N15033	90 Elbow - 1/2 MNPT	1
	N25508	Seal Kit for Rexroth Motors		34	C-4402	45 Elbow - 1/2 MNPT x 7/8-14 MJIC	1
3	N25507	Seal Only for Rexroth Motors		35	C-4399	Adapter - 1/2 MNPT x 7/8-14 MJIC	3
	N15982	Orbit Motor	1	36	N19339	Adapter - 1 1/16-12 MJIC x 3/4 MNPT	1
	N16731	Seal Kit for N15982		37	N15032	Reducer - 3/4 MNPT x 1/2 FNPT	3
	N25317	Shaft for N15982		38	N19338	Reducer - 1 1/16-12 MJIC	1
4	N19357	Fan Bracket - Tow Behind	1	39	N19337	Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC	1
	N32512	Fan Bracket - Tow Behind 7252 - Broadcast	1	40	C-817	Male Pioneer Tip - 1/2 FNPT	6
5	N21690	Mount Bracket	1	41	C-818	Pioneer Coupler - 1/2 FNPT	3
6	N21691	Mount Bracket - 4	1	42	C-4698	Nylon Oil Line Clamp	8
6A	N27589	Mount Bracket - 6	1	43	D-4808	Oil Line Clamp	4
7	N19713	Strap	1	44	N13901	Bushing - 5/8 OD x 3/8 ID x 3/8 Lg	2
8	N16608	Pioneer Coupler Clamp	4	45	N19458	Spacer	4
9	N15024	Control Valve	1	46	N21632	Oil Line Spacer	1
	N31605	Seal Kit for N15024		47	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	2
	N24595	Handle for N15024		48	S-776	Hex Bolt - 1/2 x 1 1/2 Lg	4
10	N19340	Selector Valve - 3/4 FNPT	1	49	C-3918	Hex Bolt - 3/8 x 5 Lg	1
	N31603	Seal Kit for N19340		50	D-5249	Hex Bolt - 3/8 x 3 1/4 Lg	2
	C26358	Knob for N19340		51	W-479	Hex Bolt - 3/8 x 2 1/4 Lg	2
11	N15023	Check Valve - 1/2 FNPT	1	52	S13337	Hex Bolt - 5/16 x 6 Lg	2
12	N16399	Check Valve - 3 PSI - 1 1/16-12 ORB	1	53	S-1303	Hex Bolt - 5/16 x 2 Lg	1
13	N27601	Oil Line - 1 x 108 Lg w/45 Bend	2	54	C-3035	Hex Bolt - 5/16 x 1 3/4 Lg	1
14	N27602	Oil Line - 1/2 x 112 Lg w/45 Bend	1	55	F-1767	Hex Bolt - 5/16 x 3/4 Lg	1
15	F-4560	Oil Line - 5/8 x 99 Lg w/90 Bend	2	56	W-469	Hex Bolt - 1/4 x 3/4 Lg	4
16	N19442	Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT	2	57	W-525	Lockwasher - 1/2	6
16A	N19452	Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT	2	58	W-523	Lockwasher - 3/8	3
16B	N44955	Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB	2	59	W-538	Flatwasher - 3/8	4
		(5-Frame Contour Air Drill)		60	W-522	Lockwasher - 5/16	5
17	N19344	Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT	1	61	W-521	Lockwasher - 1/4	4
18	N19343	Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 MJIC x 1/2 MNPT	1	62	W-516	Hex Nut - 1/2	6
19	N19434	Hyd Hose - 3/4 x 35 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC	2	63	D-5279	Serrated Locknut - 3/8	2
20	N15991	Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC	2	64	W-514	Hex Nut - 3/8	3
21	N19342	Hyd Hose - 3/4 x 12 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC	1	65	W-513	Hex Nut - 5/16	5
22	N19365	Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	66	W-512	Hex Nut - 1/4	4
		Used on 7130 / 7180 / 7252		67	N19432	Nut - 1 5/16-12 JIC	1
	N21721	Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	68	N16621	Plug - 9/16-18 UNF ORB	1
		Used on 7240 / 7300		69	D-4838	Tie Strap	15
23	C-4387	Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	70	N28659	Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY	2
24	N19443	Hyd Hose - 3/8 x 396 Lg w/1/2 MNPT	1	71	N28658	Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY	1
24A	N19451	Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT	1	72	N16346	Connector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY	2
24B	N44956	Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB	1	73	N25754	Connector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY	1
		(5-Frame Contour Air Drill)		74	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	3
25	N19346	Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT	1	75	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	3
26	N19475	Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 MJIC	1	76	N29964	Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN	3
27	N16388	Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC	1	77	S-751	Washer - 1.125 OD x .531 ID x .188	2
28	N19336	Swivel Tee - (1) 1 5/16-12 FJIC x (2) 1 5/16-12 MJIC	1	78	N21475	Slow Moving Sign Bracket (Hydraulic Drive ONLY)	1
29	N16359	90 Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC	2		N19031	Decal - "AUGER FAN" (Not Shown)	1
30	N19578	45 Elbow - 9/16-18 ORB x 9/16-18 MJIC	1		N19023	Decal - Danger "HOT" (Not Shown)	1

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



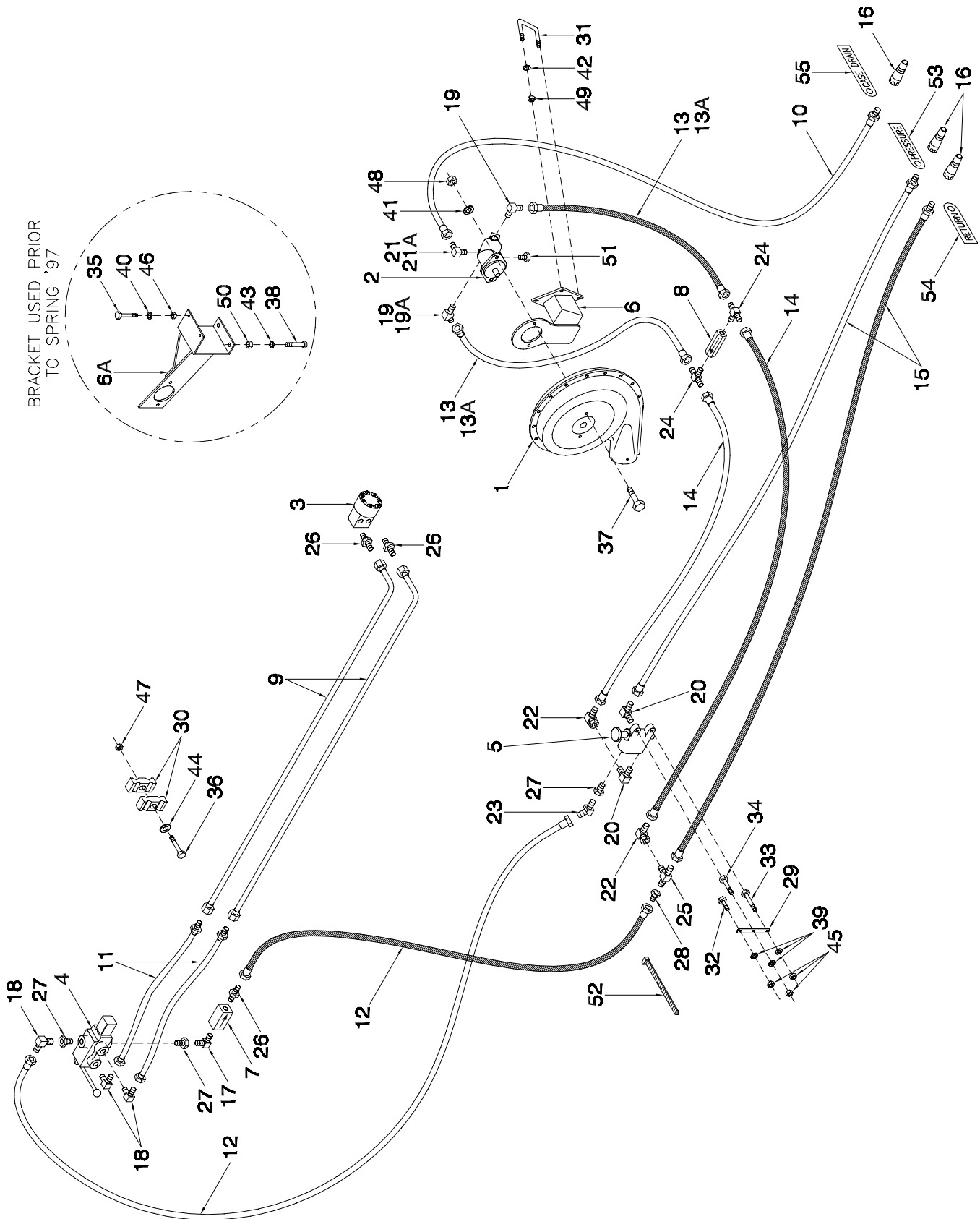
BRACKET USED PRIOR
TO SPRING '97



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

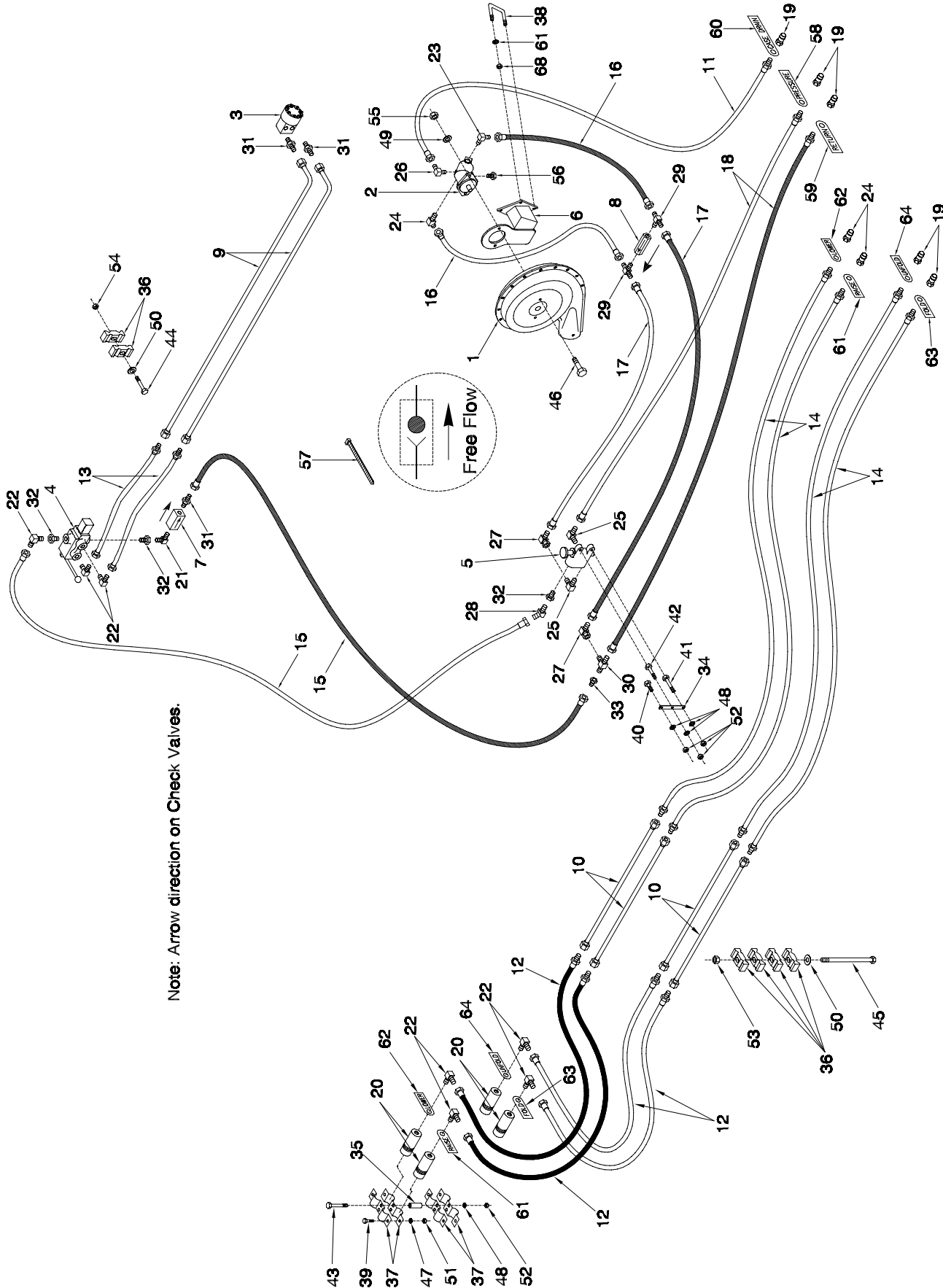
Fan & Auger Drives Tow Between Hydraulic Drive w/Auger



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

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16263	Fan (See pg 7-2)	1	21A	N19578	45 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB (Use with Brkt #6A)	1
2	N16265	Hydraulic Motor - Rexroth - 10cc 7130	1	22	N21189	90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC (Use with Bracket #6 ONLY)	2
	N29372	Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300	1	23	C-4402	45 Male Elbow - 7/8-14 MJIC x 1/2 MNPT	1
	N25508	Seal Kit for Rexroth Motors		24	N16388	Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB	2
3	N25507	Seal Only for Rexroth Motors		25	N19549	Male Tee - (3) 1 1/16-12 JIC	1
	N15982	Orbit Motor	1	26	C-4399	Connector - 7/8-14 MJIC x 1/2 MNPT	3
	N16731	Seal Kit for N15982		27	N15032	Reducer - 3/4 MNPT x 1/2 FNPT	3
4	N25319	Shaft for N15982		28	N19337	Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC	1
	N15024	Control Valve	1	29	N19713	Strap	1
	N31605	Seal Kit for N15024		30	C-4698	Nylon Oil Line Clamp	4
5	N19340	Handle for N15024		31	H21351	U-Bolt - 1/2 x 6 1/16 x 5 1/16 (Use with Bracket #6 on 7130 / 7180)	2
	N24595	Selector Valve - 3/4 FNPT	1		N31034	U-Bolt - 1/2 x 8 1/16 x 5 1/16 (Use with Bracket #6 on 7240 / 7252 / 7300)	2
6	N31603	Seal Kit for N19340		32	F-1767	Hex Bolt - 5/16 x 3/4 Lg	1
	C26358	Knob for N19340		33	C-3035	Hex Bolt - 5/16 x 1 3/4 Lg	1
	N31032	Fan Mount Bracket 7130 / 7180 (Spring '97 to Present) ...	1	34	S-1303	Hex Bolt - 5/16 x 2 Lg	1
6A	N31033	Fan Mount Bracket 7240 / 7300 (Spring '97 to Present) ...	1	35	W-1807	Hex Bolt - 3/8 x 1 1/4 Lg (Use with Bracket #6A)	2
	N33198	Fan Mount Bracket 7252 - Broadcast	1	36	W-479	Hex Bolt - 3/8 x 2 1/4 Lg	2
	N31542	Fan Mount Bracket 7252	1	37	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	2
	N19546	Fan Mount Bracket (Prior to Spring '97)	1	38	W-497	Hex Bolt - 5/8 x 1 1/2 Lg (Use with Bracket #6A)	2
7	N15023	Check Valve - 1/2 FNPT	1	39	W-522	Lockwasher - 5/16	3
8	N16399	Check Valve - 0 PSI - 1 1/16-12 ORB	1	40	W-523	Lockwasher - 3/8 (Use with Bracket #6A)	2
9	F-4560	Oil Line - 5/8 x 99 Lg w/90 Bend	2	41	W-525	Lockwasher - 1/2	2
10	N16181	Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT	1	42	W-525	Lockwasher - 1/2 (Use with Bracket #6)	4
11	C-4387	Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	43	W-526	Lockwasher - 5/8 (Use with Bracket #6A)	2
12	N19365	Hyd Hose - 1/2x140 Lg w/7/8-14 MJICx7/8-14 FJIC	2	44	W-538	Flatwasher - 3/8	2
		7130 / 7180 / 7252 (Tow Behind)		45	W-513	Hex Nut - 5/16	3
	C26343	Hyd Hose - 1/2 x 162 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	46	W-514	Hex Nut - 3/8 (Use with Bracket #6A)	3
	N21721	Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	47	D-5279	Serrated Locknut - 3/8	2
		7240 / 7300		48	W-516	Hex Nut - 1/2	2
13	N25644	Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC (Use with Brkt #6)	2	49	W-516	Hex Nut - 1/2 (Use with Bracket #6)	4
13A	N15991	Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC (Use with Brkt #6A)	2	50	W-517	Hex Nut - 5/8 (Use with Bracket #6A)	2
14	N25644	Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC	2	51	N16621	Plug - 9/16-18 UNF ORB	1
15	N16454	Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT	2	52	D-4838	Nylon Tie Strap (black) - 14 1/2 Lg	4
16	C-817	Male Pioneer Tip - 1/2 FNPT	3	53	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	1
17	N15033	90 Male Elbow - 1/2 MNPT	1	54	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	1
18	C-4400	90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT	3	55	N29964	Tag - Hose ID - Air Tank- Fan/Auger - CASE DRAIN	1
19	N16359	90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB (2 used with Bracket #6A)	1		N19023	Decal - "Hot" (Not Shown)	1
19A	N31096	45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB (Use with Bracket #6)	1		N19031	Decal - "Auger - Fan" (Not Shown)	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				

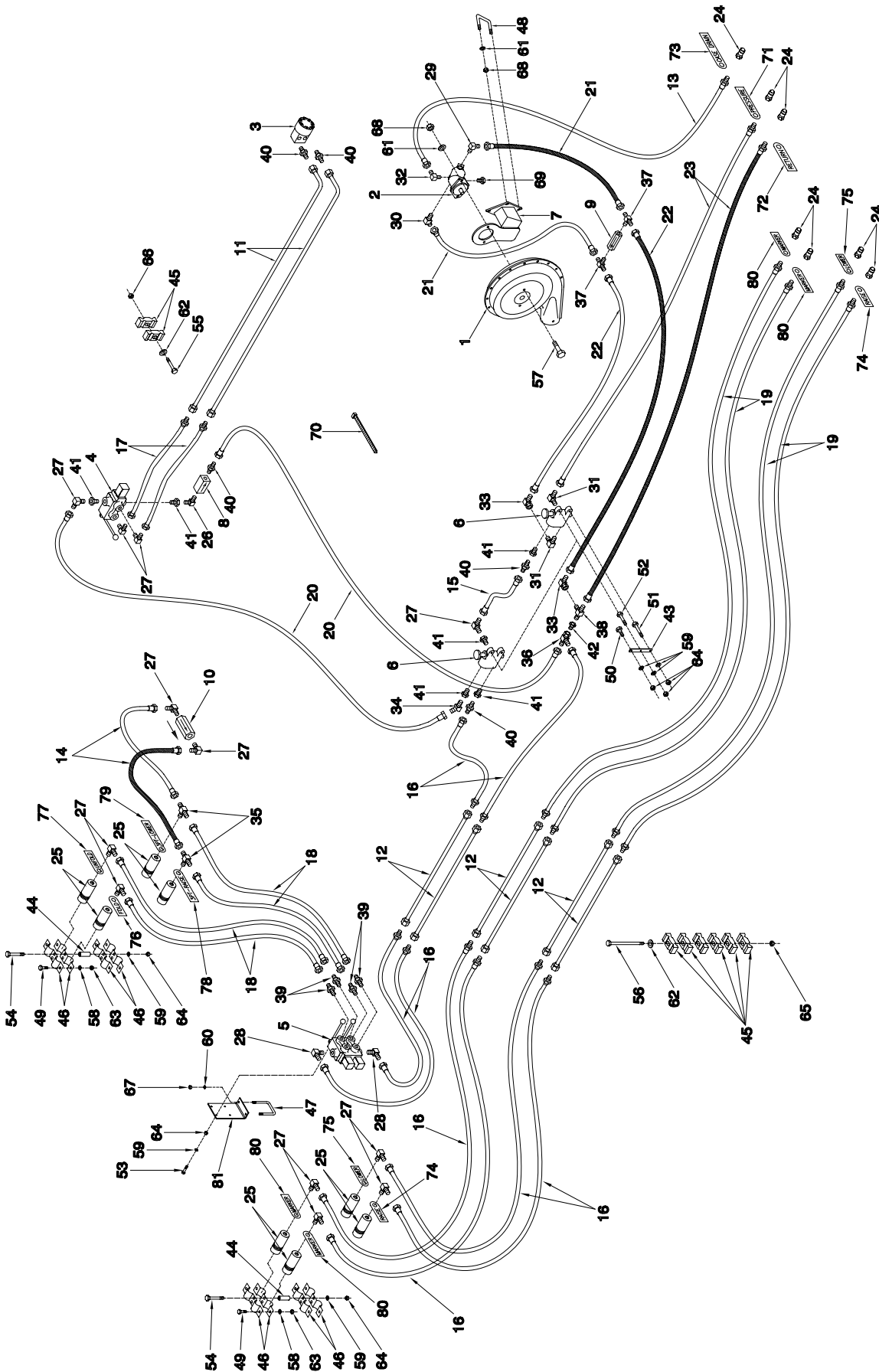
Fan & Auger Drives Tow Between Hydraulic Drive w/Front Latch Auger



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

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

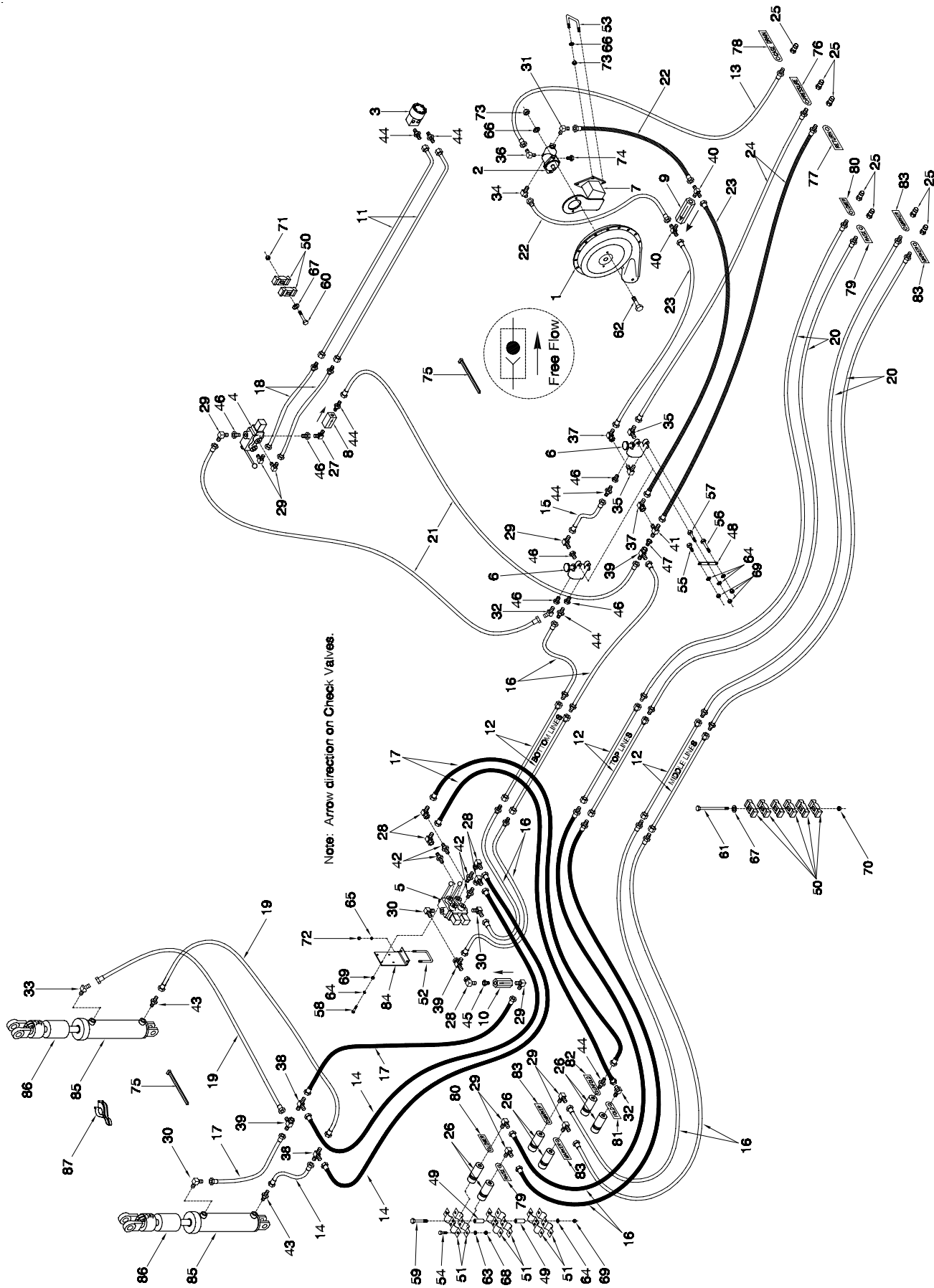
Fan & Auger Drives Xpress Tow Between Hydraulic Drive (Prior to November 2004)



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

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

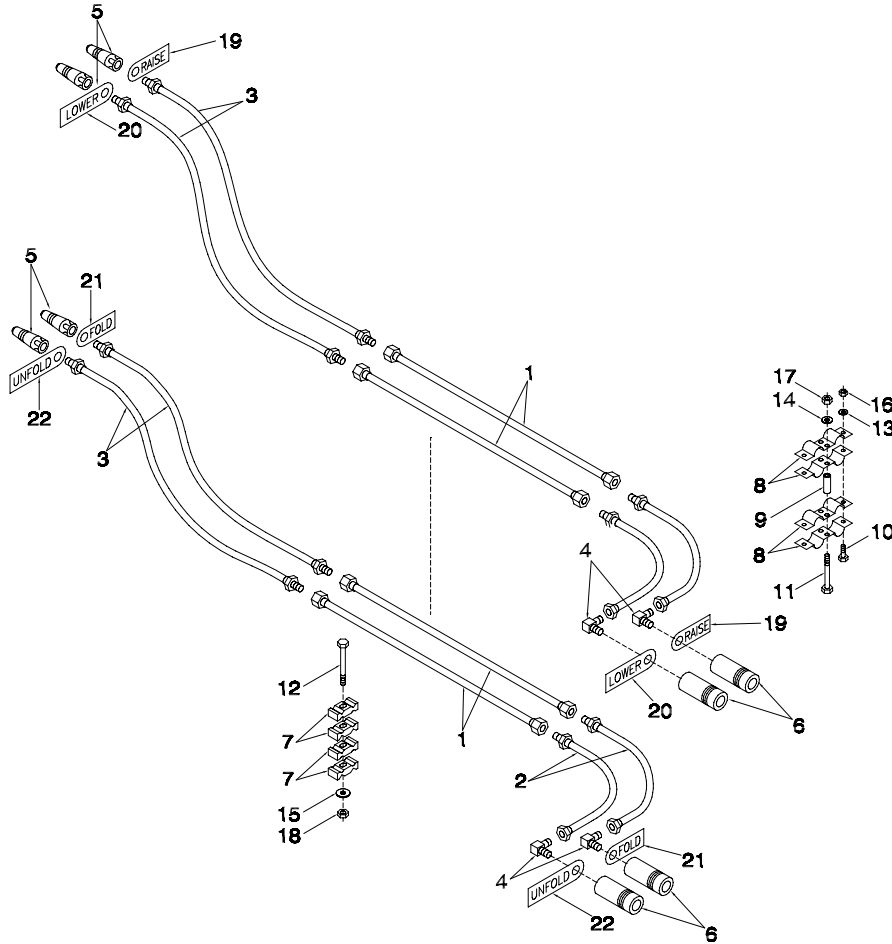
Fan & Auger Drives Xpress Tow Between Hydraulic Drive (From November 2004)



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

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

Fan & Auger Drives Tow Between Implement Hydraulics



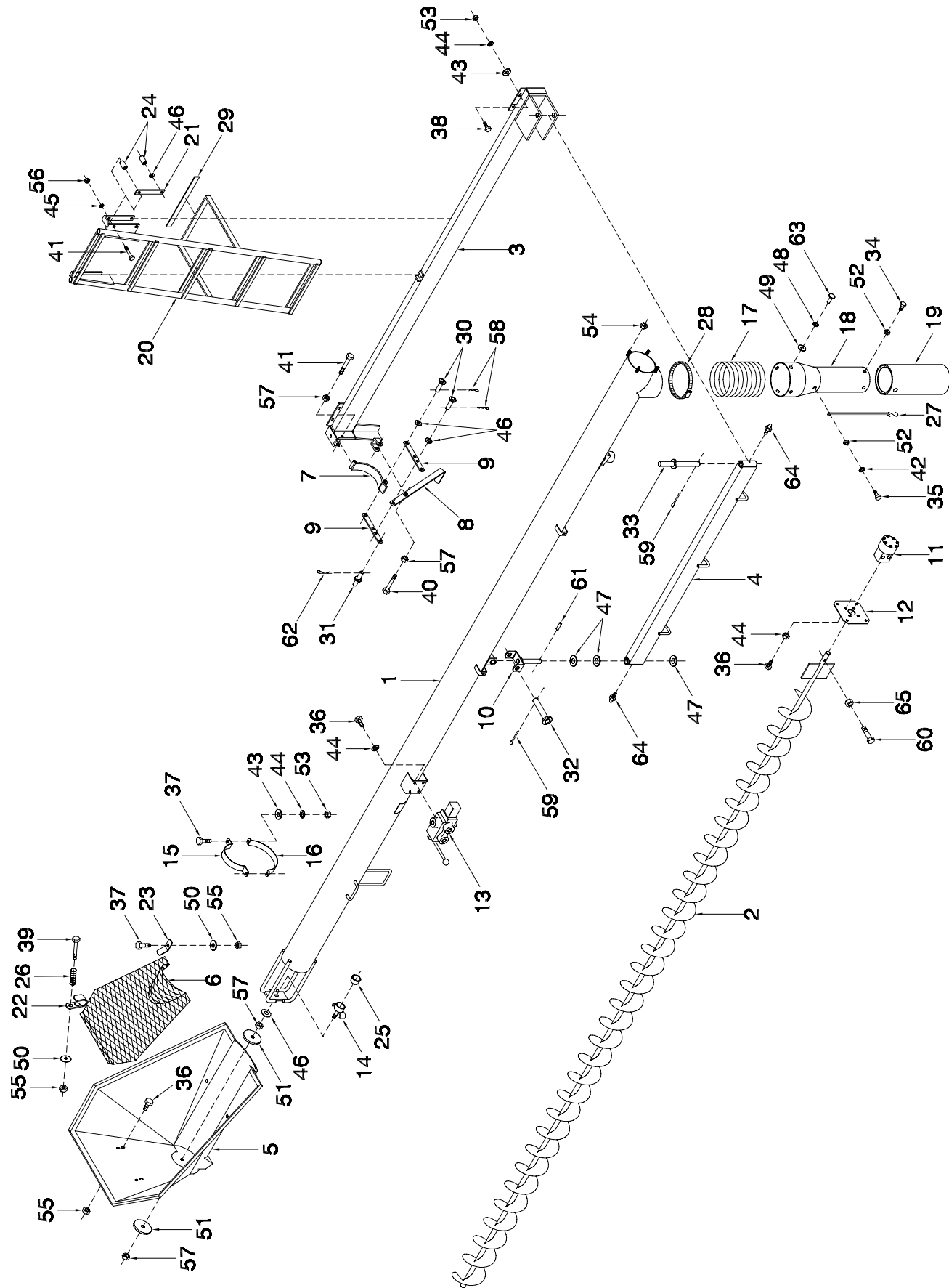
Item	Part No.	Description	Qty
1	C-4367	Oil Line - 5/8 x 80 Lg 7180	4
	C-4369	Oil Line - 5/8 x 96 Lg 7240 / 7252	4
2	C-4385	Hyd Hose - 1/2 x 24 Lg w/7/8-14 MJIC x 7/8-14 FJIC	4
3	N19548	Hyd Hose - 1/2 x 132 Lg w/7/8-14 MJIC x 1/2 MNPT	4
4	C-4400	90 Elbow - 7/8-14 MJIC x 1/2 MNPT	4
5	C-817	Male Pioneer 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

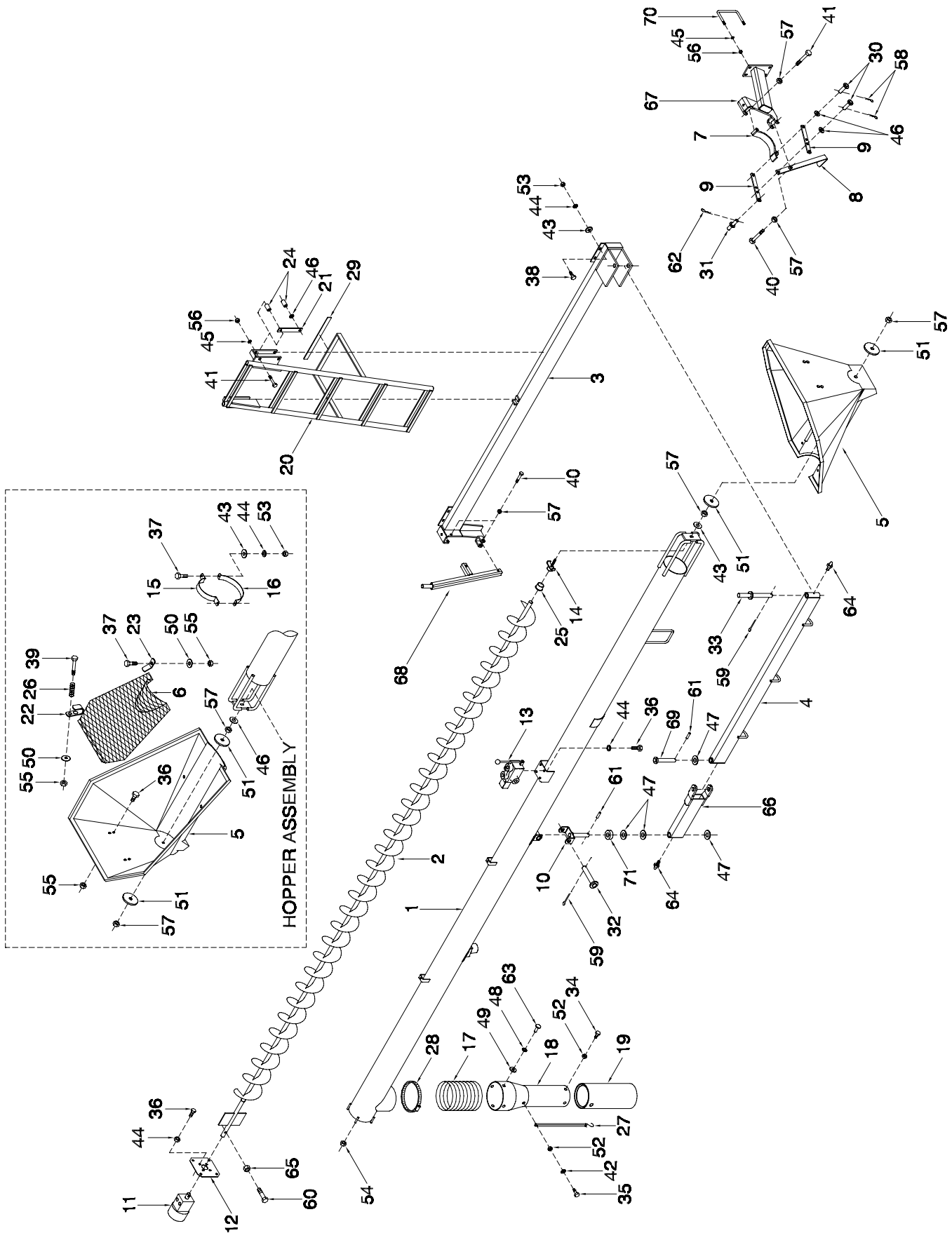
Auger 7130 / 7180 - 7 Auger



Auger - 7130 / 7180 - 7 Auger

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

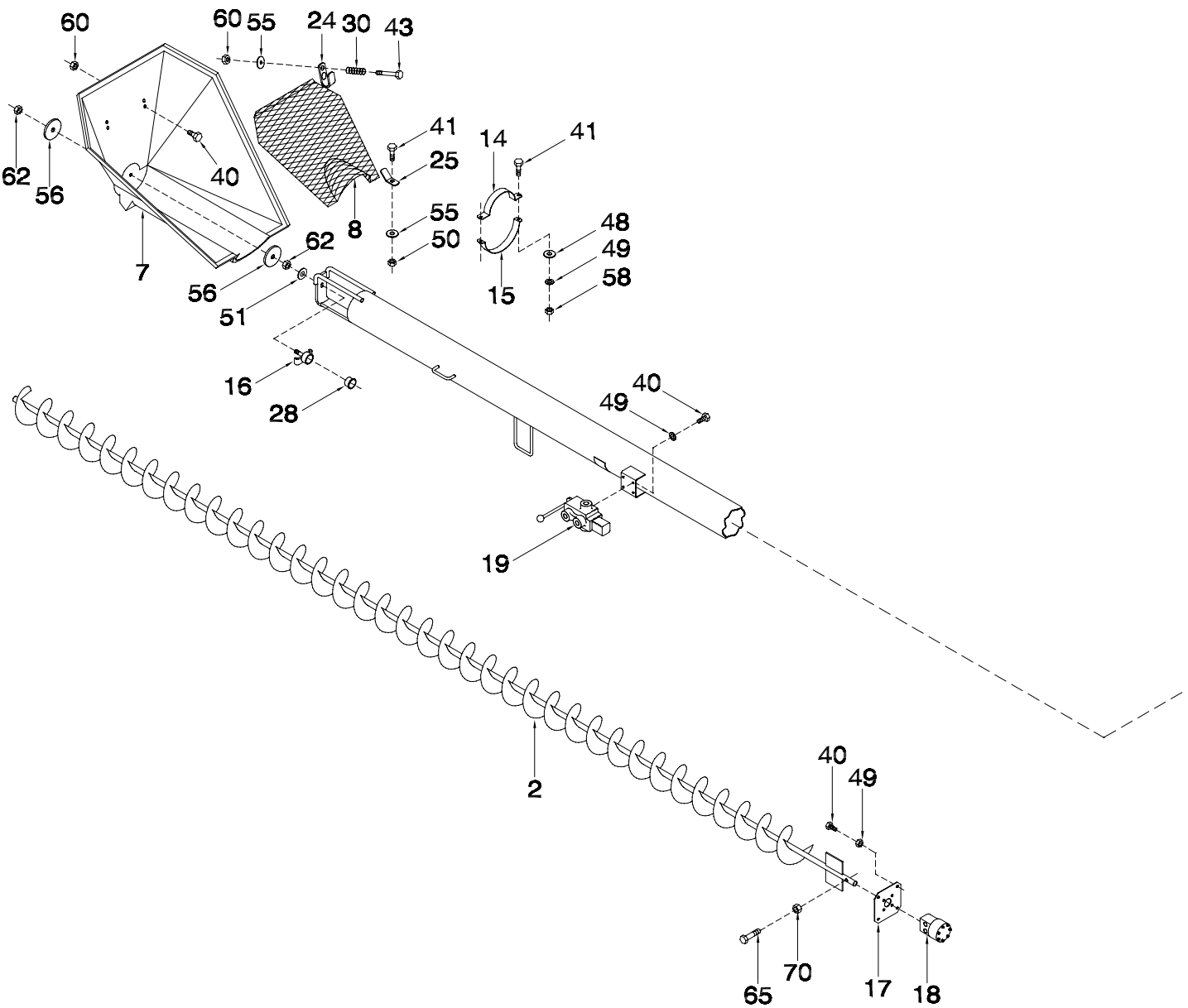
Auger 7180 - Front Latch Auger



Auger - 7180 - 7 Front Latch Auger

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

Auger
7240 / 7300 - 7 & 8 Auger



Auger - 7240 / 7300 - 7 & 8 Auger

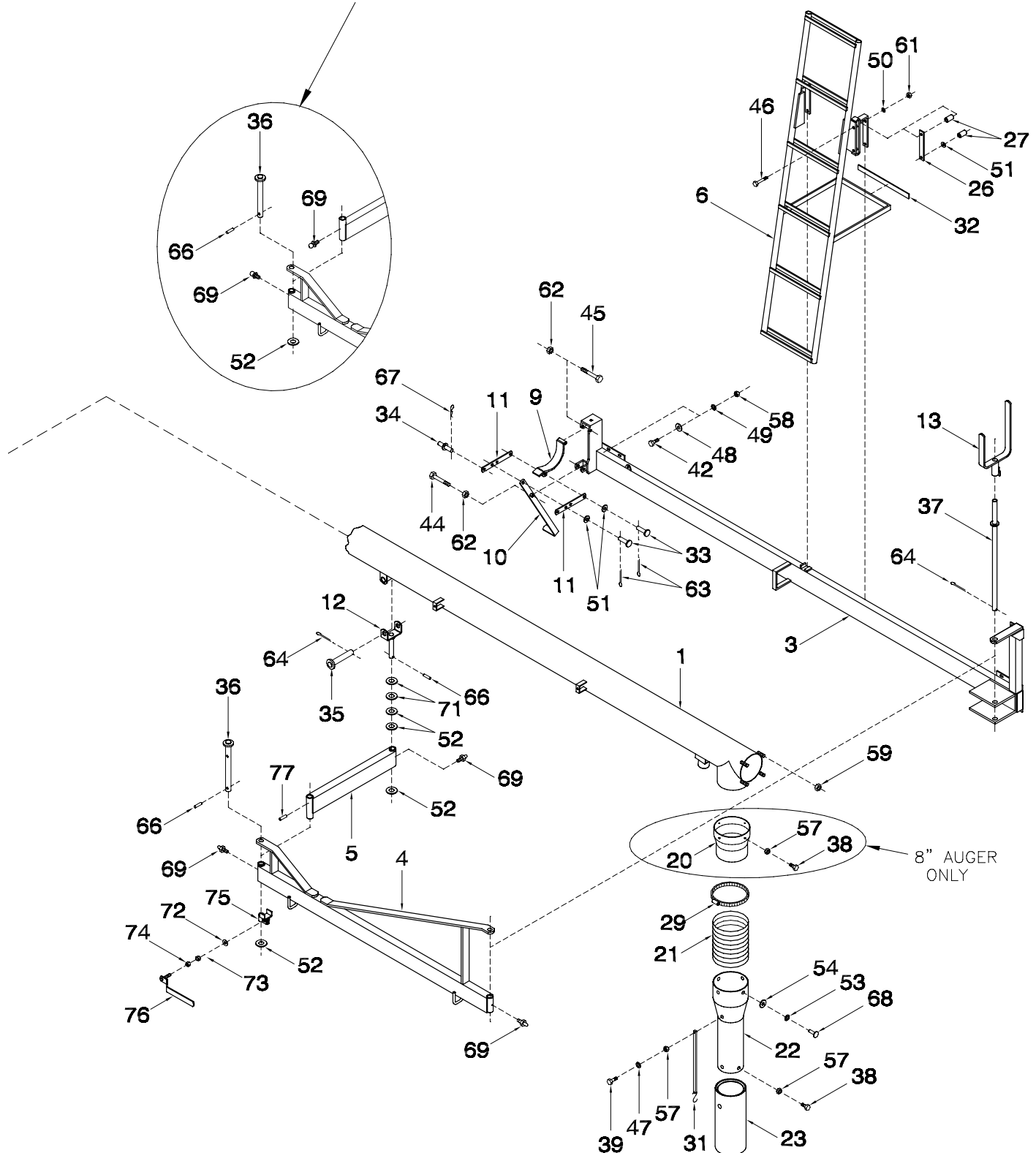
PRIOR TO:

7240 Tow Between: SERIAL # 7239802156

7240 Tow Behind: SERIAL # 7249801210

7300 Tow Between: SERIAL # 7339803041

7300 Tow Behind: SERIAL # 7309803190



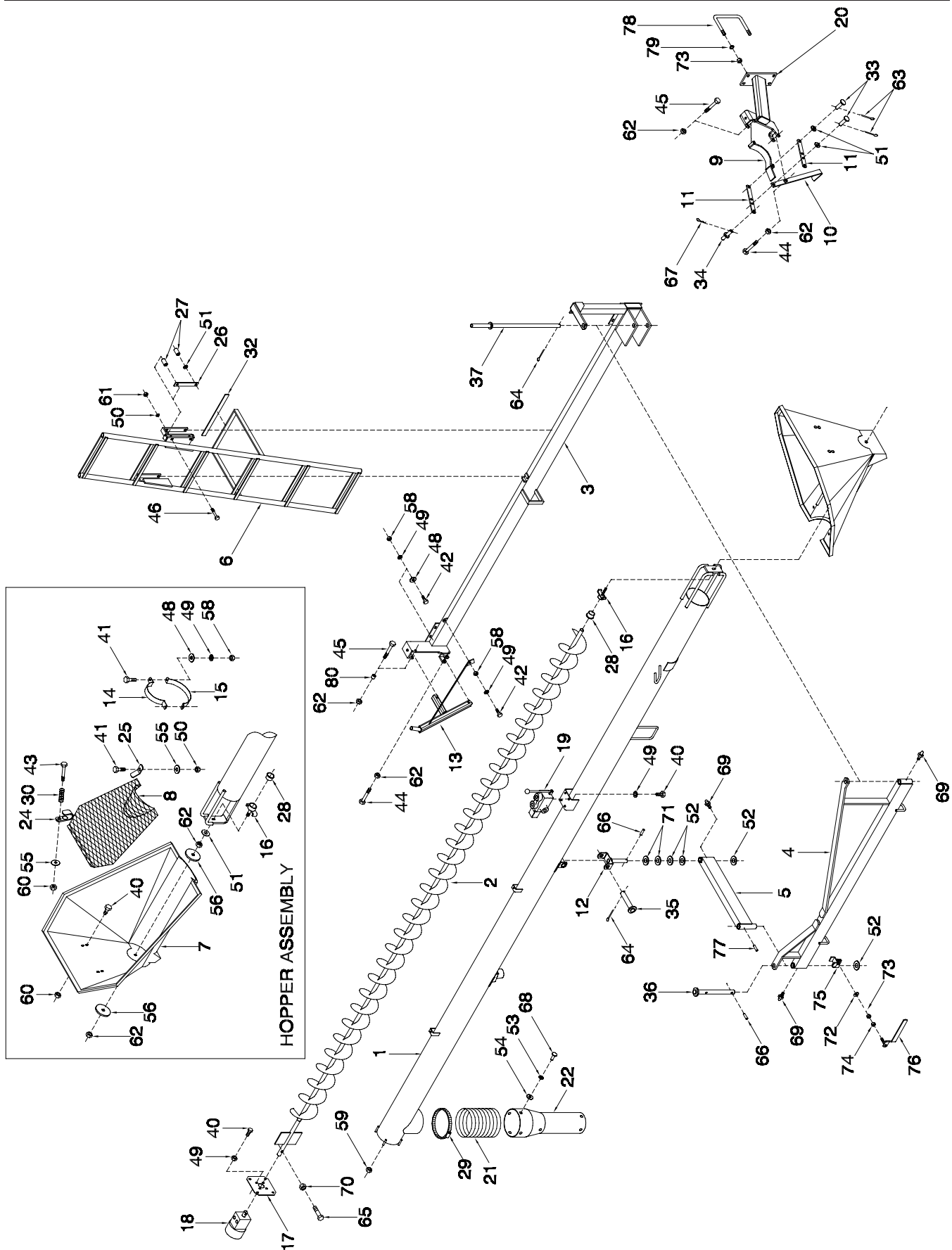
Auger - 7240 / 7300 - 7 & 8 Auger

Item	Part No.	Description	No: Used	
			7"	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 to 1997)	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"	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)		

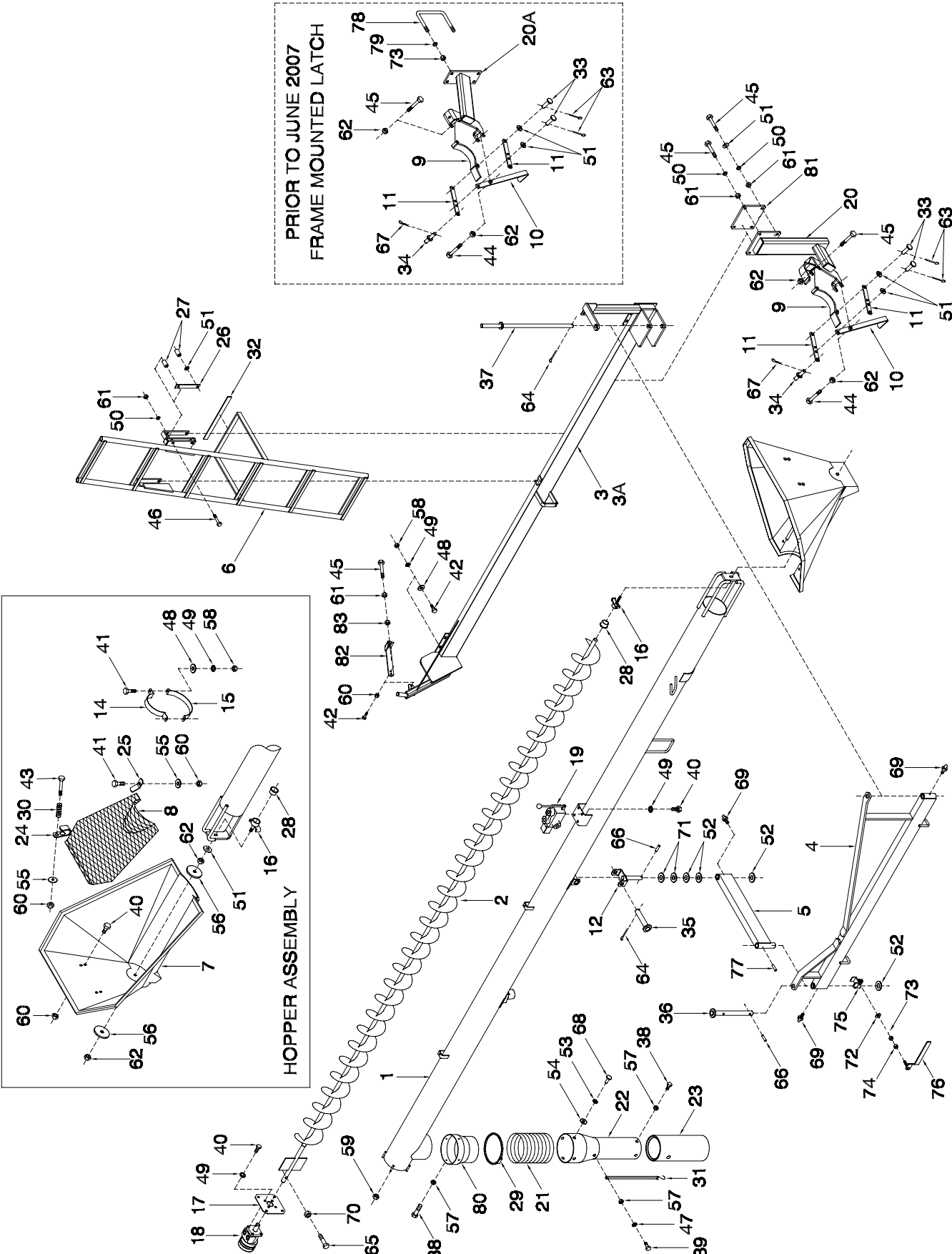
Auger 7240 - 7 Front Latch Auger



Auger - 7240 - 7 Front Latch Auger

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

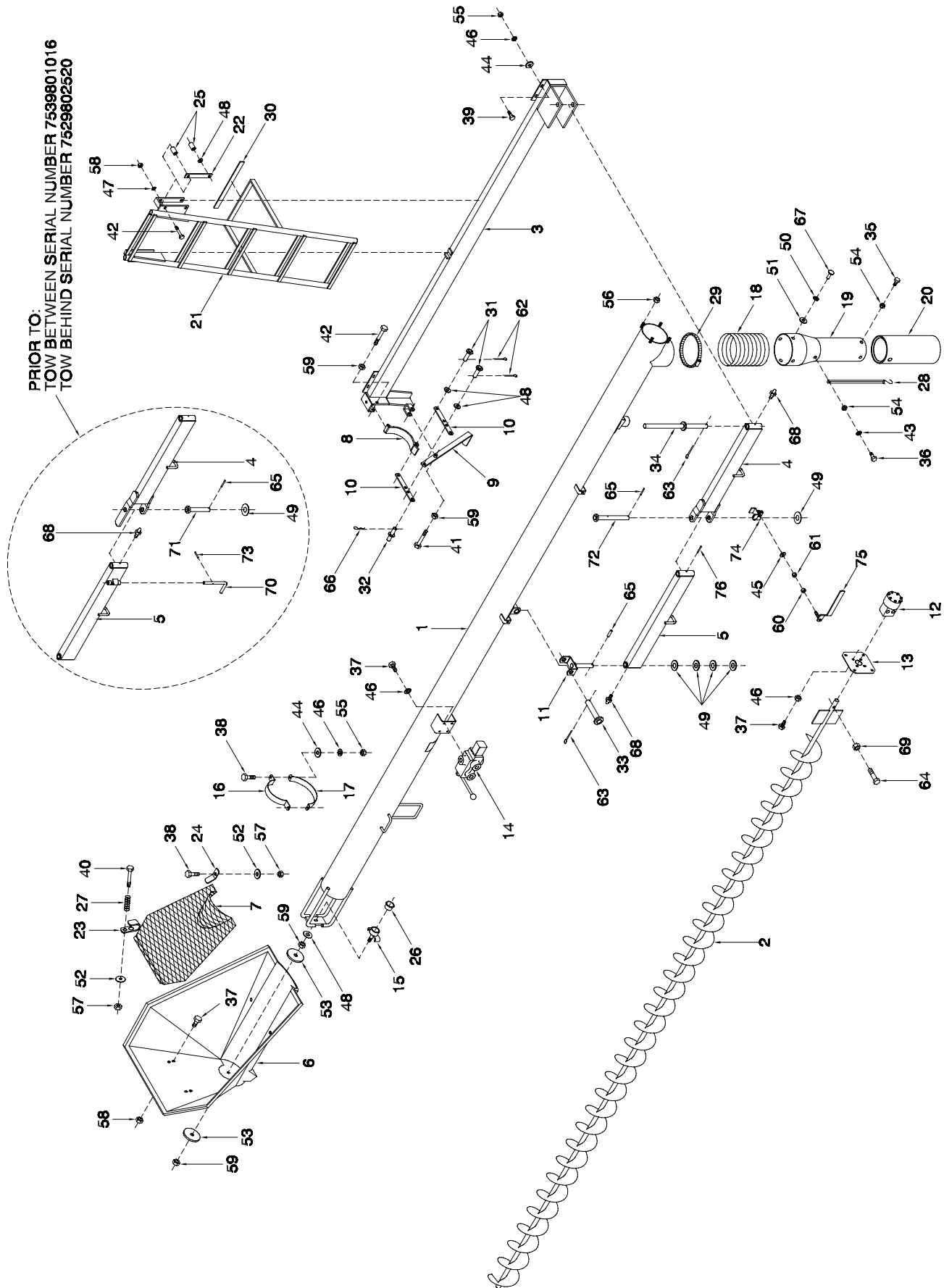
Auger
7240 - 8 Front Latch Auger



Auger - 7240 - 8 Front Latch Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N34779	Auger Housing - 8 x 240 Lg	1	45	W-493	Hex Bolt - 1/2 x 3 1/2 Lg - June 2007	6
2	N27695	Flyteing - 8 x 237 1/2 Lg	1	46	W-1575	Hex Bolt - 1/2 x 5 Lg	4
3	N37570	Auger Mount Bracket - Prior to June 2007	1	47	S-1198	Flatwasher - 1/4	1
4	N42525	Auger Mount Bracket - June 2007	1	48	W-538	Flatwasher - 3/8	12
5	N21735	Arm - Auger - 72	1	49	W-523	Lockwasher - 3/8	20
6	N28328	Arm - Auger - 26	1	50	W-525	Lockwasher - 1/2	4
7	N27760	Ladder - Auger Access 7240	1	51	W-539	Flatwasher - 17/32 ID x 1 3/8 OD x 12 Ga	7
8	N19784	Auger Hopper - 44	1	52	D10803	Flatwasher - 1	4
9	N31020	Screen	1	53	D-5487	Outside Washer - 1/2 OD x 3/16 ID	4
10	N34788	Cradle - Auger - 8	1	54	D10788	Inside Washer - 7/8 OD x 3/16 ID	4
11	N33553	Handle with Grip	1	55	W14504	Flatwasher - 1 1/2 OD	4
12	N32769	Grip for Handle N33553	1	56	N17232	Flatwasher - 4 1/8 OD	2
13	N19737	Handle for N33553	1	57	N22778	Locknut - 1/4 w/Nylon Insert	8
14	N19736	Link	2	58	W-514	Hex Nut - 3/8	12
15	N29395	Saddle - Auger Pivot	1	59	D-5279	Locknut - 3/8 Serrated	4
16	N34045	Auger Support	1	60	M-3388	Locknut - 3/8 Unitorque	8
17	N25668	Strap - Upper Auger Hopper	1	61	W-516	Hex Nut - 1/2	9
18	N21294	Strap - Lower Auger Hopper - 4 3/4	1	62	F-3405	Locknut - 1/2 Unitorque	2
19	N22809	Pin - Auger Bearing Support	1	63	W-907	Cotter Pin - 5/32 x 3/4 Lg	4
20	N19480	Plate - Mount	1	64	W-535	Cotter Pin - 1/4 x 1 1/2 Lg	2
21	N15982	Orbit Motor	1	65	S-1303	Hex Bolt - 5/16 x 2 Lg	2
22	N16731	Seal Kit for N15982	1	66	J12281	Spiral Pin - 5/16 x 2 Lg	1
23	N25319	Shaft for N15982	1	67	W-131	Hair Pin - #9 - 0.148 x 3 5/16 Lg	2
24	N15024	Control Valve	1	68	D-4945	Pop Rivet - 3/16 x 3/8 GRIP	4
25	N31605	Seal Kit for N15204	1	69	S-752	Grease Zerk - 1/4 Straight	3
26	N24595	Handle for N15204	1	70	D-5278	Locknut - 5/16 Serrated	1
27	N42530	Auger Latch Support - June 2007 to present	1	71	N19192	Bushing - 1 ID x 1 1/2 OD x 1 1/2 Lg	2
28	N34041	Auger Latch Support - Prior to June 2007	1	72	W-793	Flatwasher - 5/8	1
29	N22802	Flex Hose - 7 Dia x 12 Lg	1	73	W-517	Hex Nut - 5/8 - Prior to June 2007	5
30	N22799	Auger Spout	1	74	W-517	Hex Nut - 5/8 - June 2007	1
31	N24421	Auger Spout - Extension	1	75	C-1472	Jam Nut - 5/8	1
32	N27705	Latch - Auger Screen - Lower	2	76	N31775	Lock - Auger Arm	1
33	N27706	Latch - Auger Screen - Upper	2	77	N31763	Handle	1
34	N27761	Wear Plate - Ladder	2	78	N15983	Spiral Pin - 5/16 x 1 1/2 Lg	1
35	N22759	Bushing - 3/4 OD x 1 7/8 Lg	4	79	C29610	U-Bolt - 5/8 x 8 x 5 1/2 - Prior to June 2007	2
36	C22785	Bushing - 1 5/8 OD x 3/4 Lg (Blue)	1	80	W-526	Lockwasher - 5/8 - Prior to June 2007	4
37	N15462	Hose Clamp - 8 Dia	1	81	N21706	Reducer - Auger Spout	1
38	N15045	Spring - 0.59 OD x 1 1/4 Lg	2	82	N44143	Mount Plate - June 2007	1
39	N19777	Tie Down Strap - 15 - Rubber	1	83	N45424	Support Bracket	1
40	N19449	Seal Strip - 3/8 x 1 x 15 Lg (Bulk/ft)	1		S-1292	Jam Nut - 1/2	1
41	BW-8	Pin - 1/2 x 1 1/32 UL	2		N34477	Reflector - AMBER (Not Shown)	2
42	N19745	Lock Pin - 1/2 x 1 1/32 UL	1		N19031	Decal - Information (Not Shown)	1
43	N17217	Pin - 1 x 4 3/4 UL	1		N19032	Decal - Information (Not Shown)	1
44	N31765	Pin - Auger Pivot - 1 x 12 23/32 UL	1		N19033	Decal - Danger (Not Shown)	1
45	N37569	Pin - Auger Pivot - 1 x 22 7/8 UL	1		N19034	Decal - Danger (Not Shown)	1
	W-469	Hex Bolt - 1/4 x 3/4 Lg	7		N31774	Decal - Information - Auger Arm Lock (Not Shown)	1
	W-470	Hex Bolt - 1/4 x 1 1/4 Lg	1		N19020	Decal - Caution (Not Shown)	1
	W-867	Hex Bolt - 3/8 x 3/4 Lg	10			Extensible Spout Assembly	
	W-187	Hex Bolt - 3/8 x 1 Lg	4			Includes Items #21, 22, 23, 31, 38, 39, 47, 53, 54, 57 & 68)	
	W-478	Hex Bolt - 3/8 x 2 Lg	12				
	W-492	Hex Bolt - 1/2 x 3 Lg	9				
	W-493	Hex Bolt - 1/2 x 3 1/2 Lg - Prior to June 2007	1				

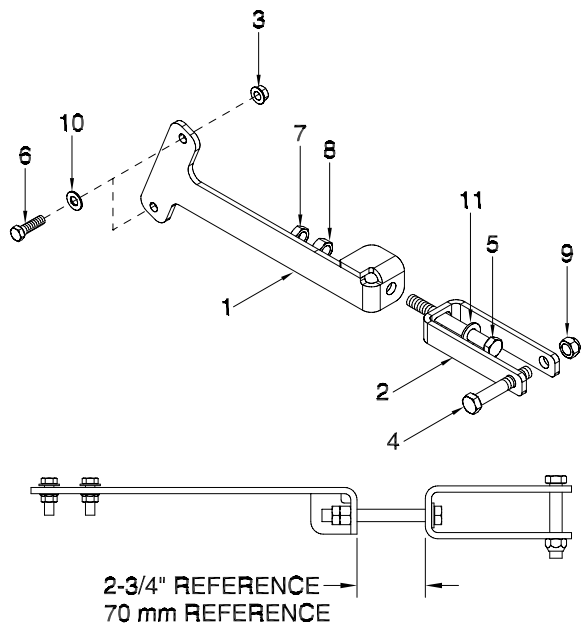
Auger 7252 - 7 Auger



Auger - 7252 - 7 Auger

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

Auger Auger Support Kit



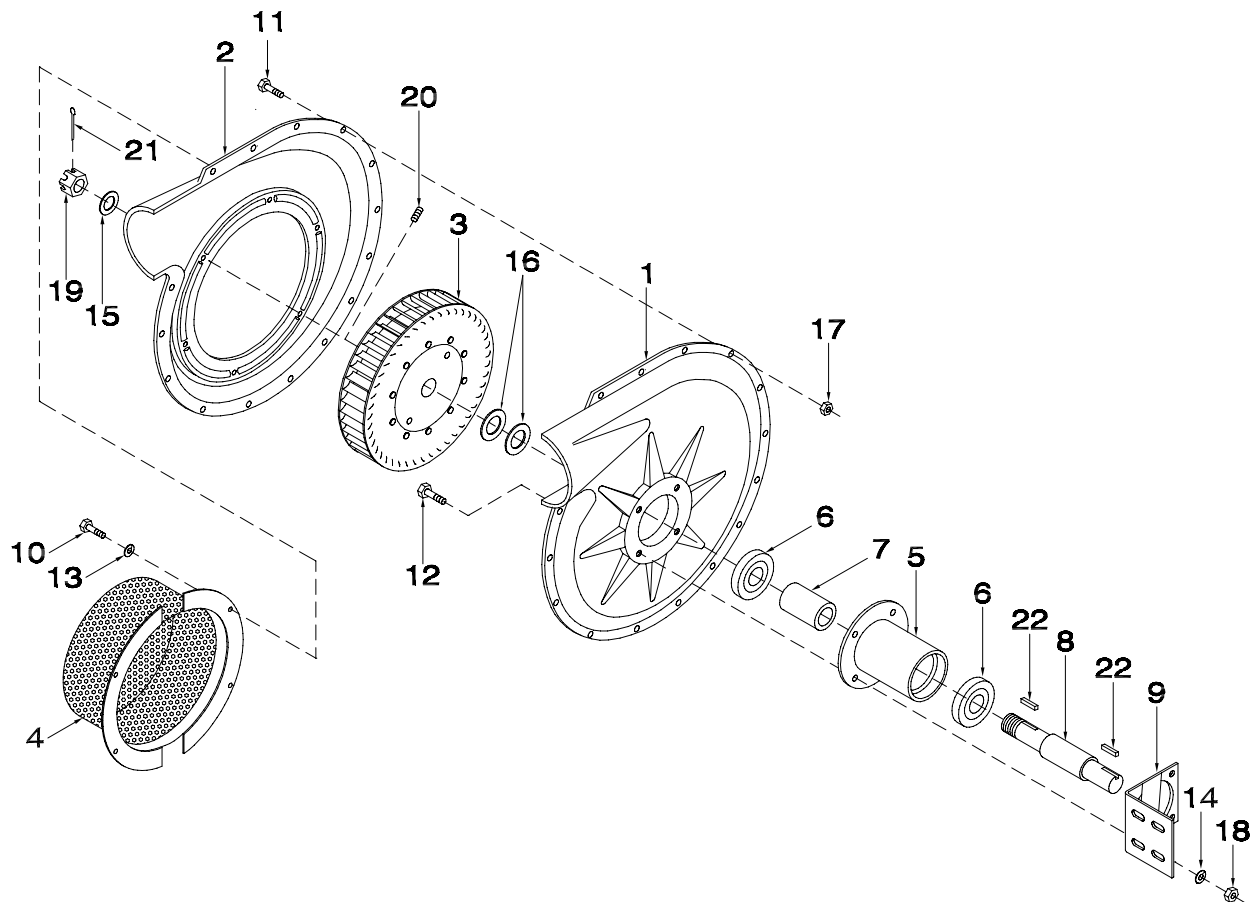
Item	Part No.	Description	Qty
1	N45240	Auger Support Base	1
2	N45242	Auger Support Clamp	1
3	D-5279	Locknut - 3/8 Flange	2
4	W-492	Hex Bolt - 1/2 X 3 Lg.....	1
5	S-951	Hex Bolt - 1/2 X 4 1/2 Lg	1
6	W-187	Hex Bolt - 3/8 X 1 1/4 Lg	2
7	S-1292	Hex Jam Nut - 1/2	1
8	W-516	Hex Nut - 1/2 - 12 UNC	1
9	F-3405	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

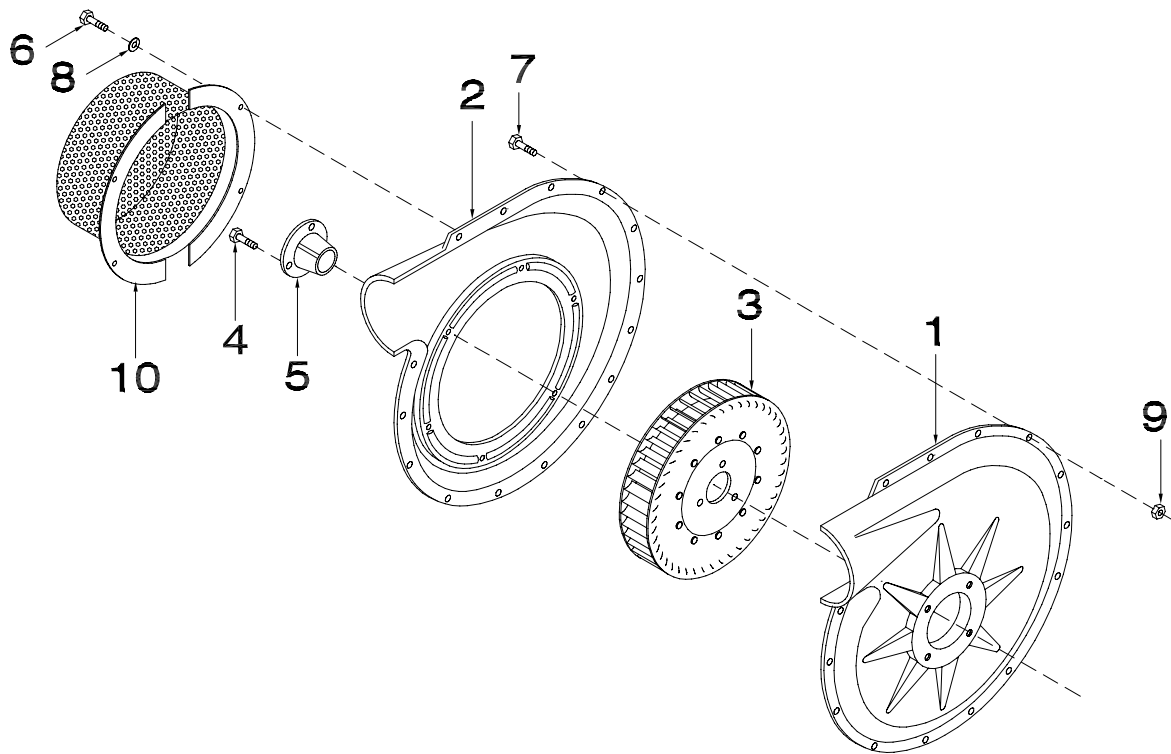
Crary Belt Drive	7-2
Crary Hydraulic Drive	7-3
Orbit Motor	7-4

Fan Crary Belt Drive



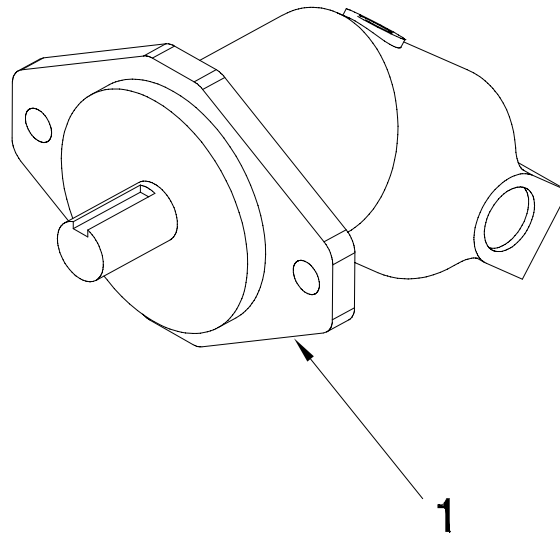
Item	Part No.	Description	Qty
1	N19499	Drive Side Casting	1
2	N16709	Inlet Side Casting	1
3	N19498	Rotor	1
4	N28190	Screen	1
5	N19500	Bearing Housing	1
6	N19502	Bearing	2
7	N19565	Spacer	1
8	N19501	Shaft	1
9	N19463	Mount Bracket	1
10	W-469	Hex Bolt - 1/4 x 3/4 Lg	6
11	W-1552	Hex Bolt - 1/4 x 1 Lg	15
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



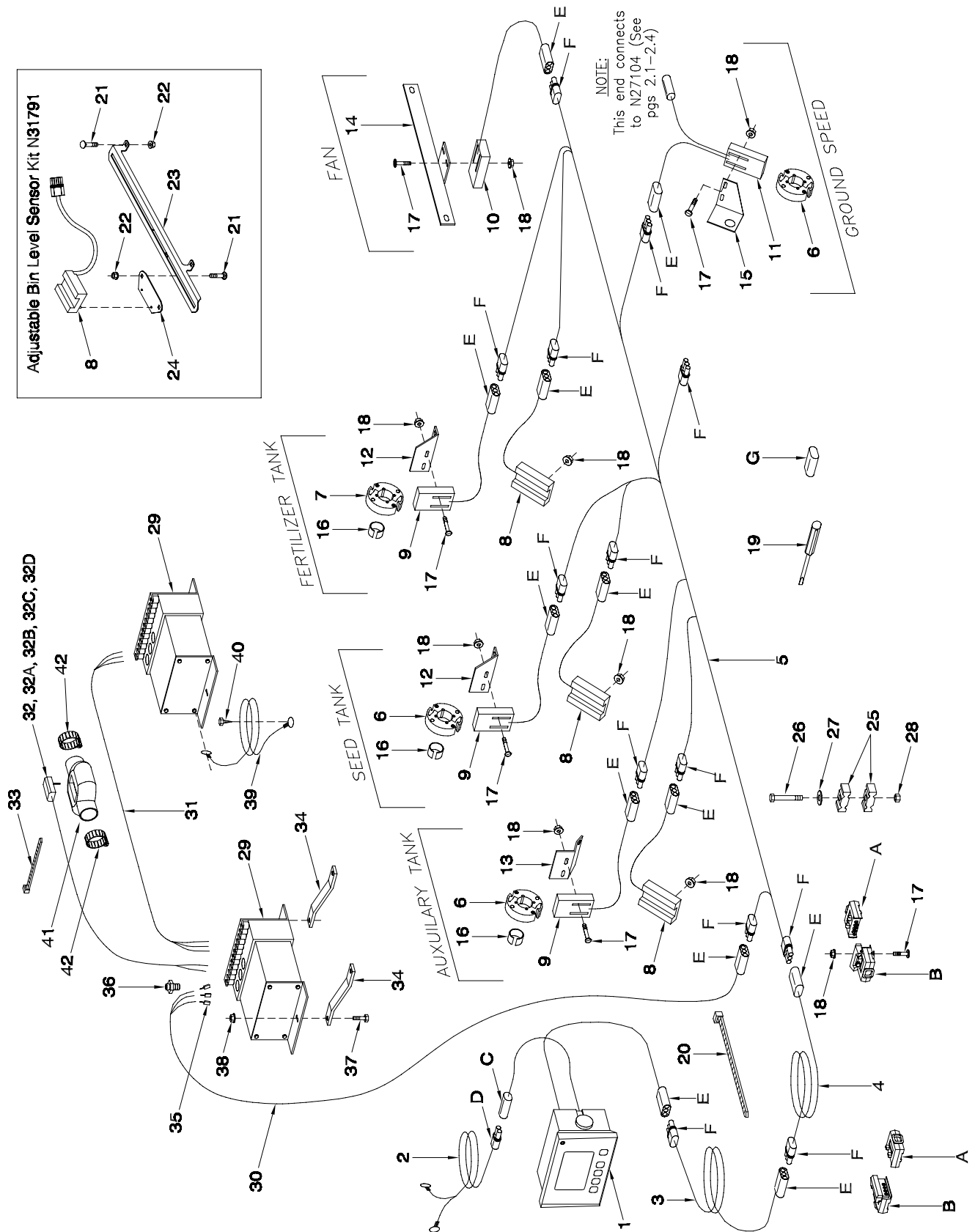
Item	Part No.	Description	Qty
1	N29372	Rexroth Orbit Motor - 12cc - 20mm shaft	1
	N37742	Rexroth Orbit Motor - 16cc - 20mm shaft (Optional)	1
	N44690	Parker Orbit Motor - 12cc - 20mm shaft	1
	N25507	Shaft Seal Only for above Rexroth Motors	1
	N25508	Seal Kit for above Rexroth Motors	1
	N45040	Shaft Seal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

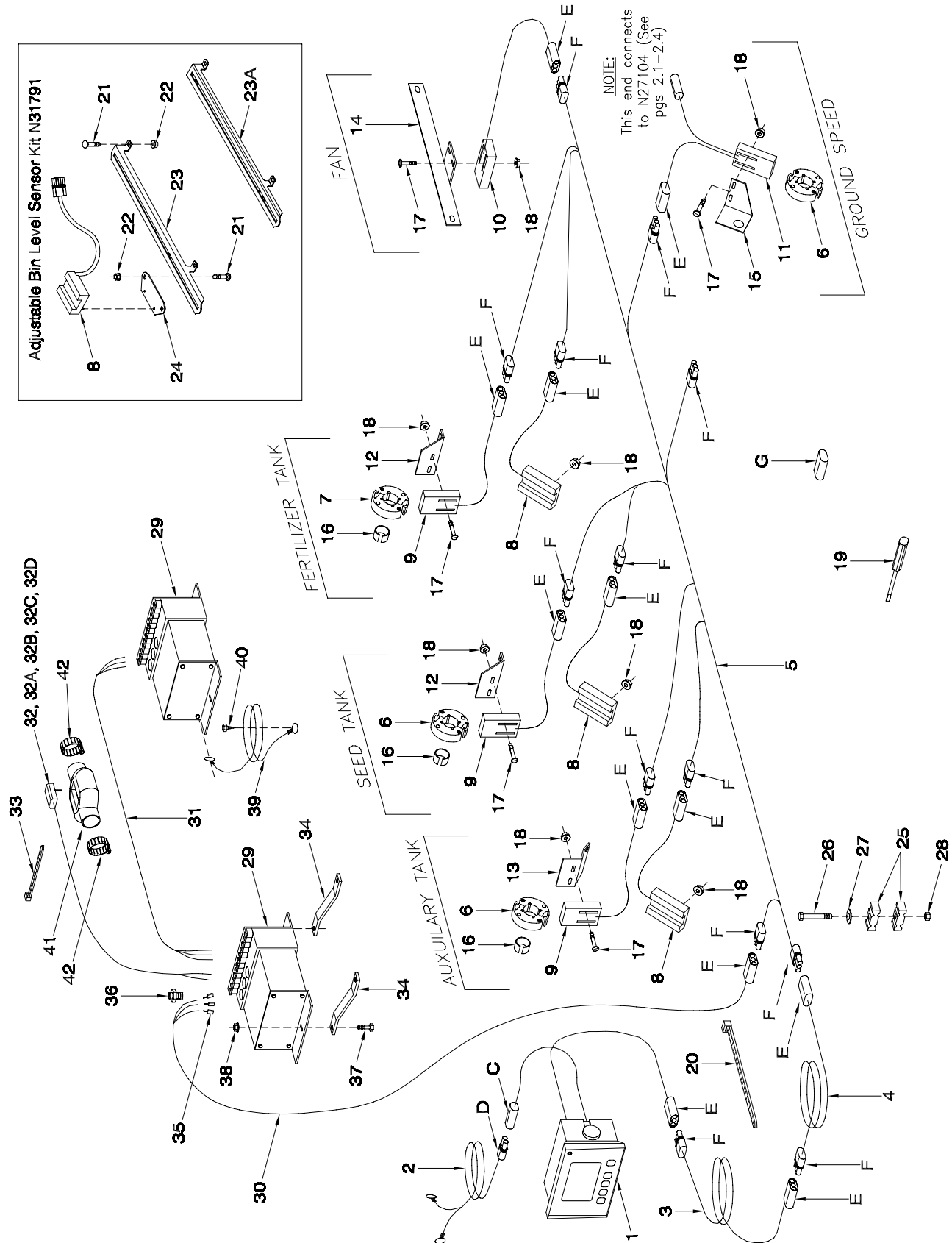
Monitor Version 1 Monitor & Pin Blockage Module



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			

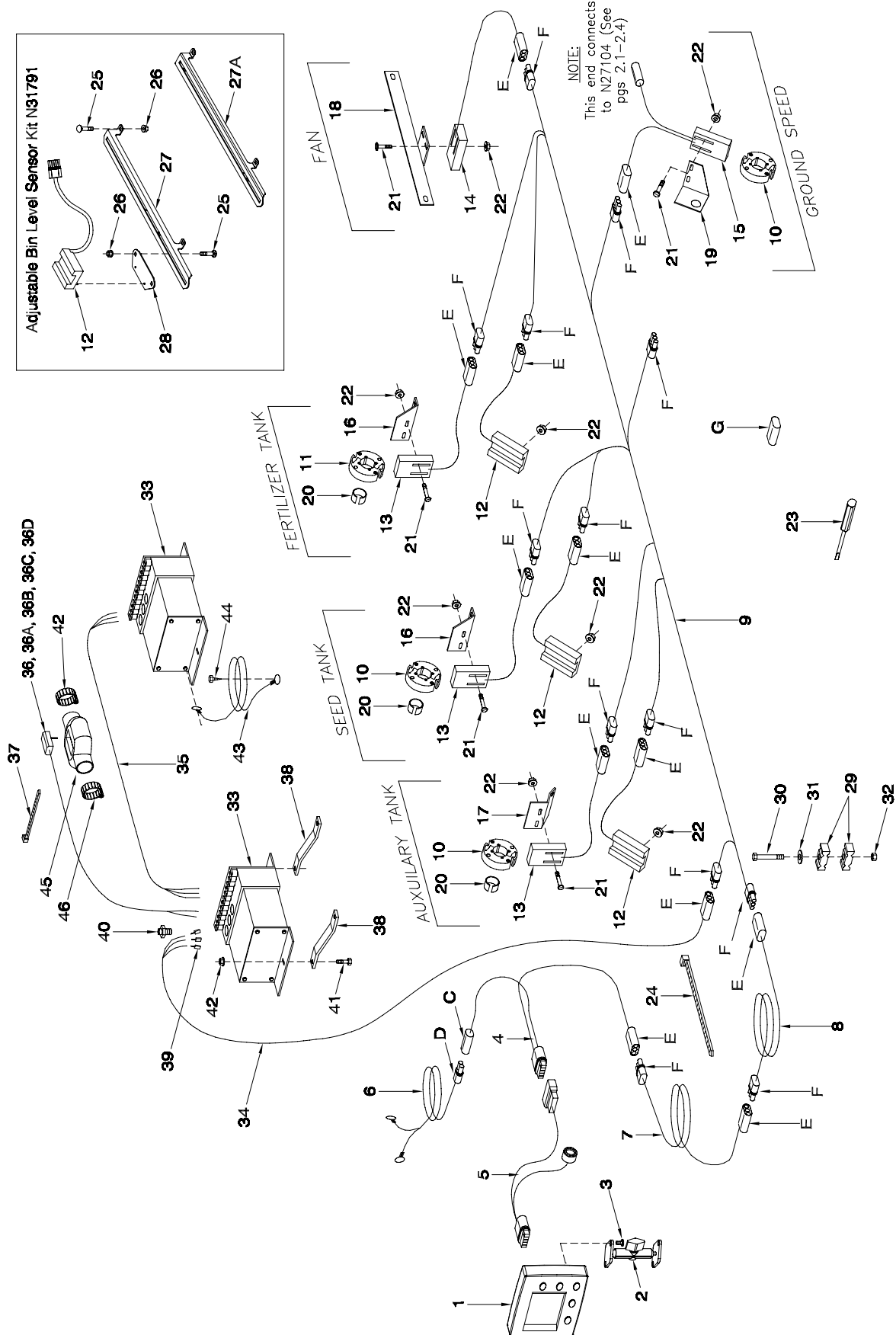
Monitor Version 2 Monitor & Pin Blockage Module



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

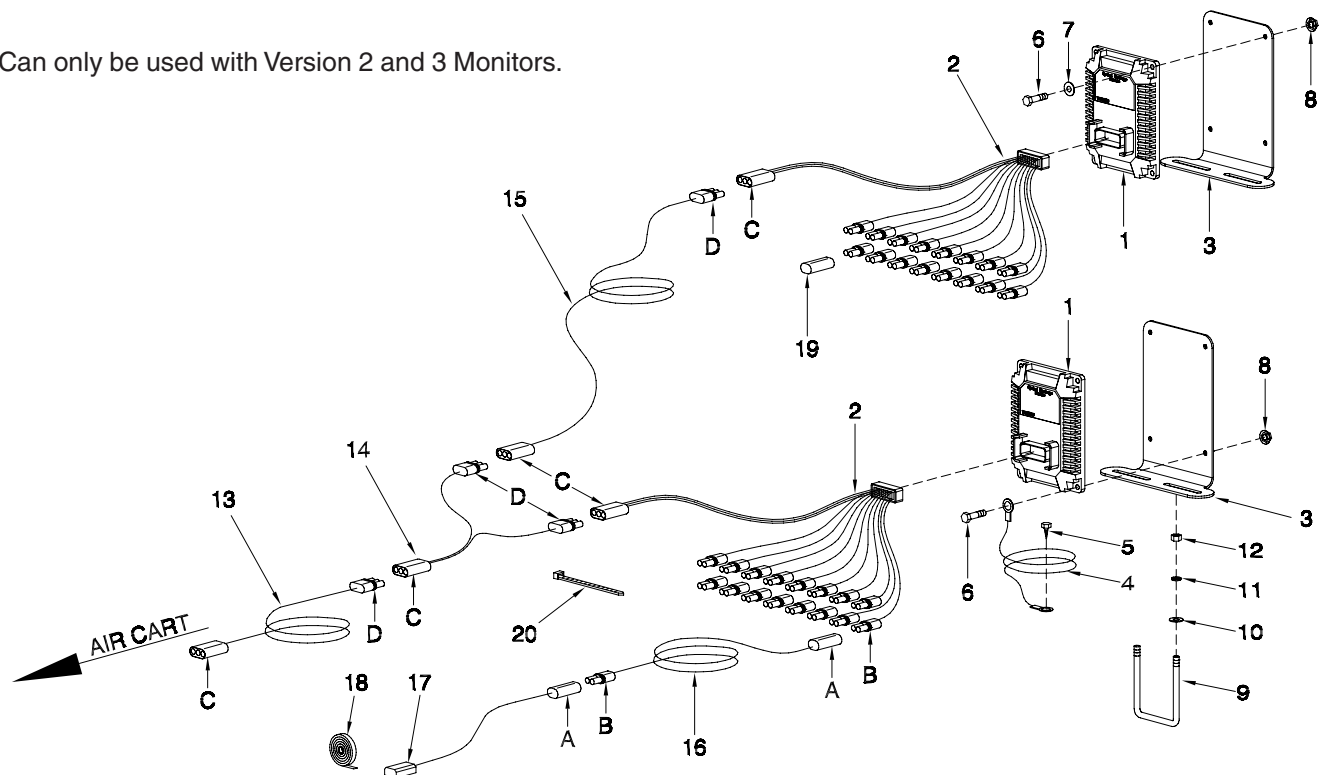
Item	Part No.	Description	Qty
Monitor Assembly			
1	N44049	Monitor - Version 3 - NEW	1
	N44049R	Monitor - Version 3 - REBUILT	
2	N44254	Mount - VMD Monitor	1
3	N44265	Machine Screw - #10-32 x 1/2	2
4	N44253	Power Cable - VMD Monitor	1
5	N44264	Alarm and Cable Assembly - Optional	1
	N44256	Alarm	1
	N44255	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	

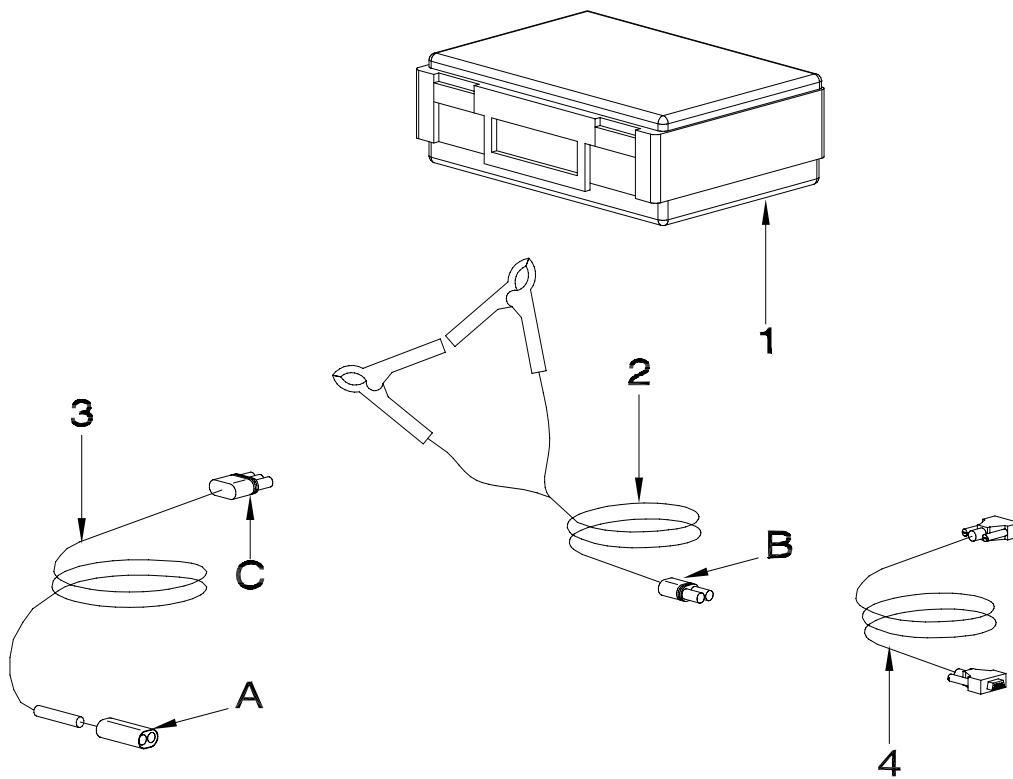
Monitor Optical Blockage System

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)	

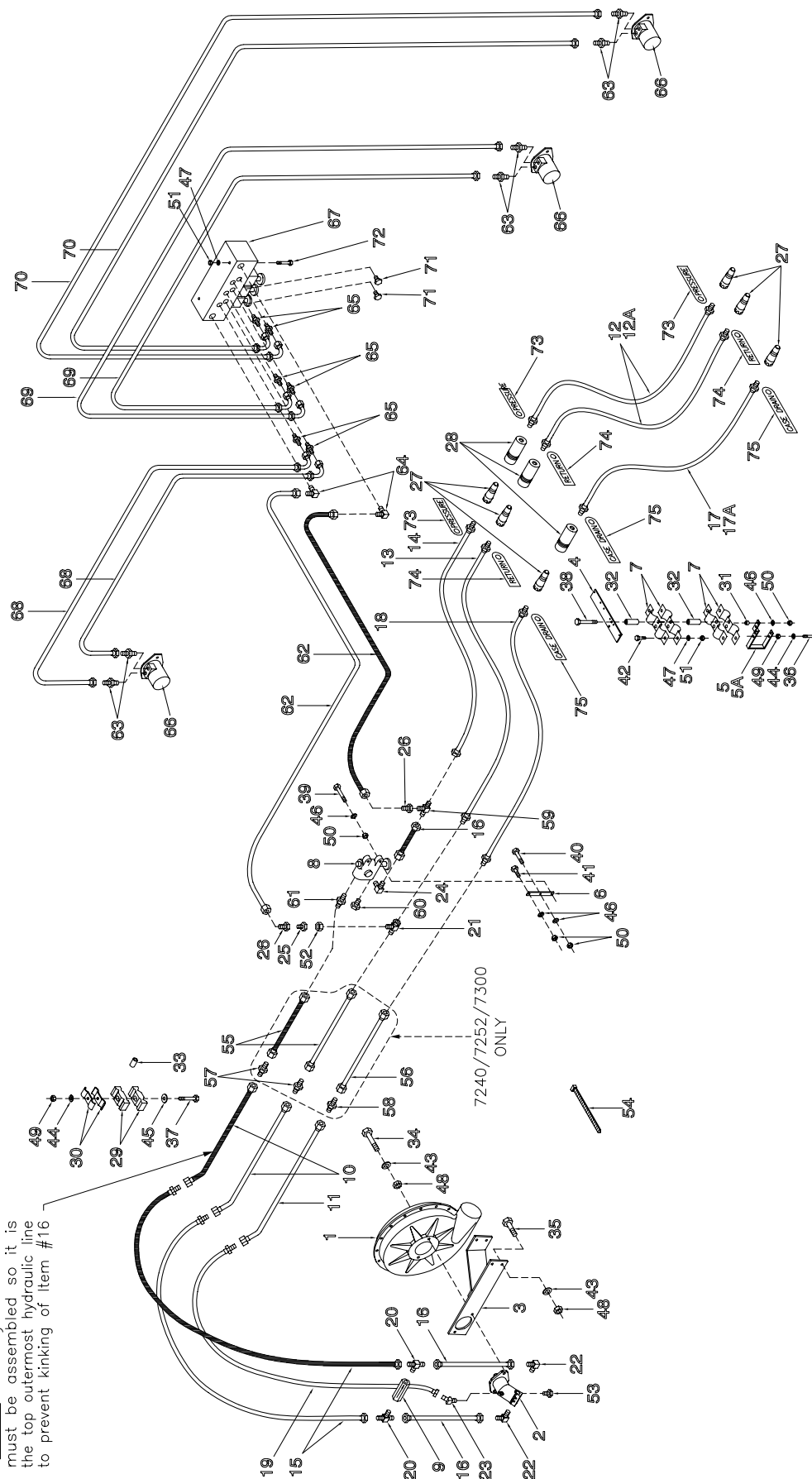
Section 9: Variable Rate System

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

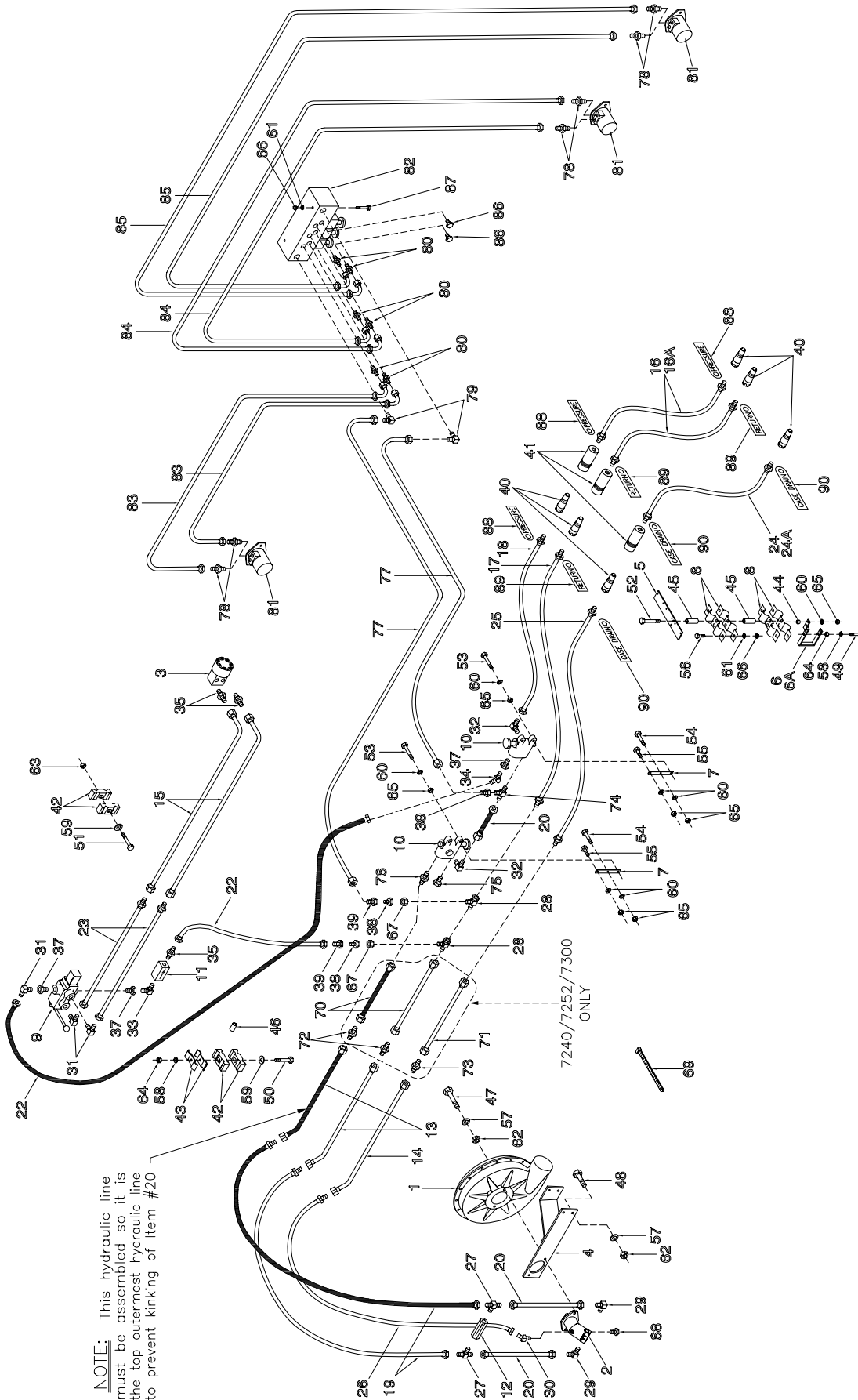
NOTE: This hydraulic line must be assembled so it is the top outermost hydraulic line to prevent kinking of item #16



Variable Rate System - Tow Behind Hydraulics w/o Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16263	Fan (See pg 7-2)	1	39	S-1303	Hex Bolt - 5/16 x 2 Lg	1
2	N16265	Hydraulic Motor - Rexroth - 10cc 7130	1	40	C-3035	Hex Bolt - 5/16 x 1 3/4 Lg	1
	N29372	Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7300 .. (N25508 - Seal Kit) (N25507 Seal Only)	1	41	F-1767	Hex Bolt - 5/16 x 3/4 Lg	1
3	N19357	Fan Mount Bracket	1	42	W-469	Hex Bolt - 1/4 x 3/4 Lg	4
4	N21690	Mount Bracket	1	43	W-525	Lockwasher - 1/2	5
5	N21691	Mount Bracket - 4	1	44	W-523	Lockwasher - 3/8	3
5A	N27589	Mount Bracket - 6	1	45	W-538	Flatwasher - 3/8	2
6	N19713	Strap	1	46	W-522	Lockwasher - 5/16	5
7	N16608	Pioneer Coupler Clamp	4	47	W-521	Lockwasher - 1/4	6
8	N19340	Selector Valve - 3/4 FNPT	1	48	W-516	Hex Nut - 1/2	5
	N31604	O-Ring #210 (Not Shown)	1	49	W-514	Hex Nut - 3/8	3
	N31603	Seal Kit for N19340	2	50	W-513	Hex Nut - 5/16	5
	C26358	Knob for N19340	1	51	W-512	Hex Nut - 1/4	6
9	N16399	Check Valve - 3 PSI - 1 1/16-12 ORB	1	52	N19432	Nut - 1 5/16-12 JIC	1
10	N27601	Oil Line - 1 x 108 Lg w/45 Bend	2	53	N16821	Plug - 9/16-18 ORB	1
11	N27602	Oil Line - 1/2 x 112 Lg w/45 Bend	1	54	D-4838	Tie Strap	15
12	N19442	Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT	2	55	N28659	Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY	2
12A	N19452	Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT	2	56	N28658	Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY	1
12B	N44955	Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB	2	57	N16346	Connector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY	2
		(5-Frame Contour Air Drill)	2	58	N25754	Connector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY	1
13	N19344	Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT	1	59	N19549	Tee - (3) 1 1/16-12 MJIC	1
14	N19343	Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 MJIC x 1/2 MNPT	1	60	N29357	Plug - 3/4 MNPT	1
15	N19434	Hyd Hose - 3/4 x 35 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC	2	61	N29349	Connector - 1 5/16-12 MJIC x 3/4 MNPT	1
16	N15991	Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC	3	62	C28259	Hyd Hose - 1/2 x 108 Lg w/7/8-14 FJIC 7130 / 7180	2
17	N19443	Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT	1	63	N19345	Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC 7240 / 7300	2
17A	N19451	Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT	1	64	N29359	Connector - 3/4-16 MJIC x 7/8-14 ORB	6
17B	N44956	Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB	1	65	N29360	90 Elbow - 7/8-14 MJIC x 7/8-14 ORB	2
		(5-Frame Contour Air Drill)	1	66	N29358	Connector - 3/4-16 MJIC x 9/16-18 ORB	6
18	N19346	Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT	1		N29319	Hydraulic Motor - DANFOSS	3
19	N19475	Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 MJIC	1		N32517	Seal Kit for DANFOSS motor	
20	N16388	Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC	2	67	N42365	Valve Manifold Assembly (See Pg. 10-15)	1
21	N19336	Swivel Tee - (1) 1 5/16-12 FJIC x (2) 1 5/16-12 MJIC	1	68	N29320	Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC 7130 / 7180	2
22	N16359	90 Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC	2		N29362	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7300	2
23	N19578	45 Elbow - 9/16-18 ORB x 9/16-18 MJIC	1	69	N29363	Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC	2
24	N19341	90 Elbow - 1 1/16-12 MJIC x 3/4 MNPT	1		N29361	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7130 / 7180	2
25	N19338	Reducer - 1 1/16-12 MJIC	1	70	N29364	Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300	2
26	N19337	Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC	2		N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7300	2
27	C-817	Male Pioneer Tip - 1/2 FNPT	6	71	N31625	Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252	2
28	C-818	Pioneer Coupler - 1/2 FNPT	3		N29365	Plug - 9/16-18 ORB	2
29	C-4698	Nylon Oil Line Clamp	4	72	W-1847	Hex Bolt - 1/4 x 5 Lg	2
30	D-4808	Oil Line Clamp	4	73	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	3
31	N13901	Bushing - 5/8 OD x 3/8 ID x 3/8 Lg	2	74	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	3
32	N19458	Spacer	4	75	N29964	Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN	3
33	N21632	Oil Line Spacer	2		N19023	Decal - "Hot" (Not Shown)	1
34	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	2		N19031	Decal - "Auger - Fan" (Not Shown)	1
35	S-776	Hex Bolt - 1/2 x 1 1/2 Lg	3		N29354	Decal - "Calibration - Fan" (Not Shown)	1
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				

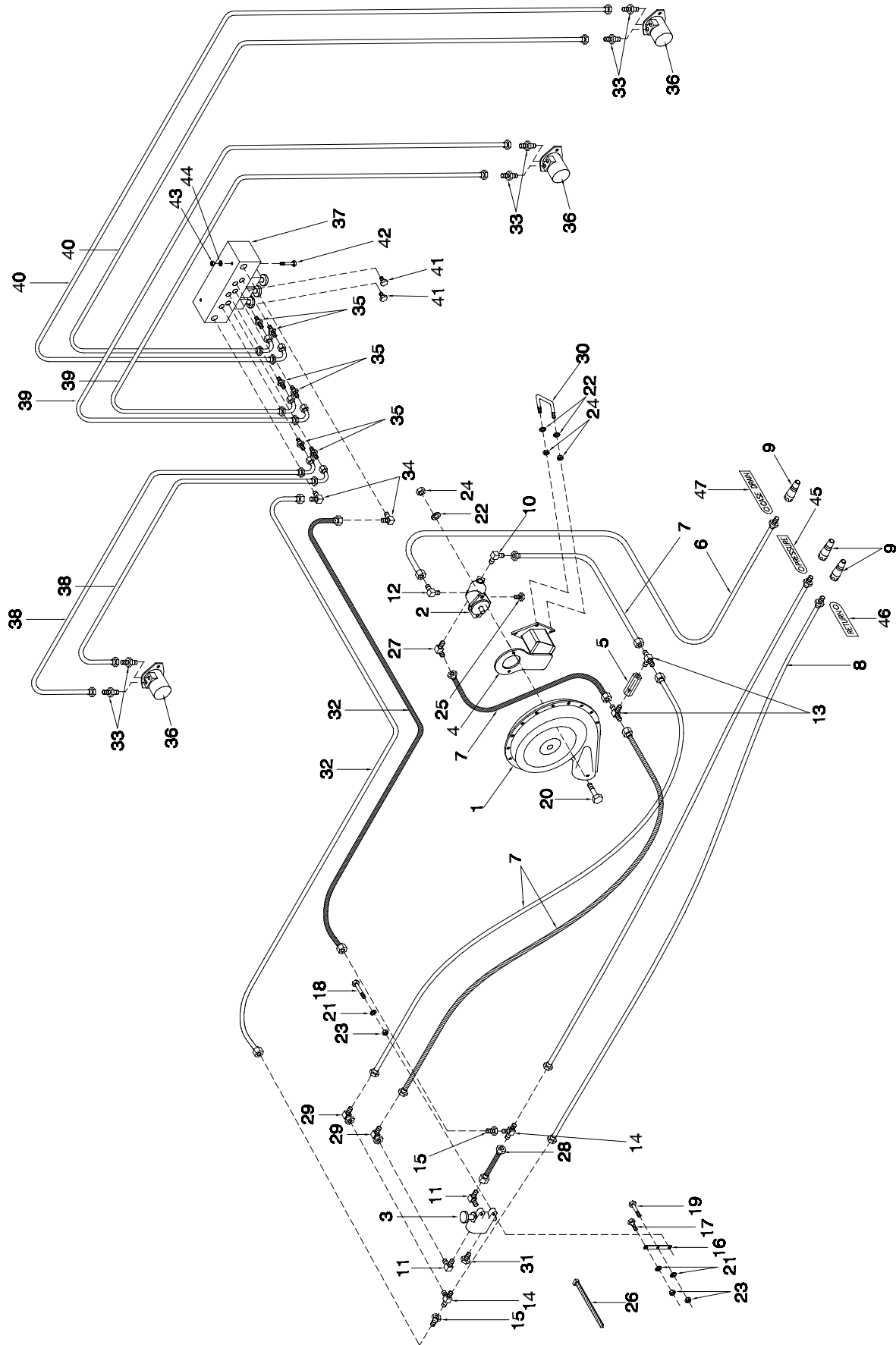
Variable Rate System Tow Behind Hydraulics w/Auger



Variable Rate System - Tow Behind Hydraulics w/Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16263	Fan (See pg. 7-2)	1	43	D-4808	Oil Line Clamp	4
2	N16265	Hydraulic Motor - Rexroth - 10cc 7130	1	44	N13901	Bushing - 5/8 OD x 3/8 ID x 3/8 Lg	2
	N29372	Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300 (N25508 - Seal Kit) (N25507 Seal Only)	1	45	N19458	Spacer	4
3	N15982	Orbit Motor	1	46	N21632	Oil Line Spacer	2
	N16731	Seal Kit for N15982		47	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	2
	N25319	Shaft for N15982		48	S-776	Hex Bolt - 1/2 x 1 1/2 Lg	3
4	N19357	Fan Mount Bracket	1	49	C-3918	Hex Bolt - 3/8 x 5 Lg	1
5	N21690	Mount Bracket	1	50	D-5249	Hex Bolt - 3/8 x 3 1/4 Lg	2
6	N21691	Mount Bracket - 4	1	51	W-479	Hex Bolt - 3/8 x 2 1/4 Lg	2
6A	N27589	Mount Bracket - 6	1	52	S13337	Hex Bolt - 5/16 x 6 Lg	2
7	N19713	Strap	2	53	S13303	Hex Bolt - 5/16 x 2 Lg	2
8	N16608	Pioneer Coupler Clamp	4	54	C-3035	Hex Bolt - 5/16 x 1 3/4 Lg	2
9	N15024	Control Valve)	1	55	F-1767	Hex Bolt - 5/16 x 3/4 Lg	4
	N31605	Seal kit for N15204		56	W-469	Hex Bolt - 1/4 x 3/4 Lg	5
	N24595	Handle for N15204		57	W-525	Lockwasher - 1/2	3
10	N19340	Selector Valve - 3/4 FNPT	2	58	W-523	Lockwasher - 3/8	4
	N31604	O-Ring #210 (Not Shown)		59	W-538	Flatwasher - 3/8	3
	N31603	Seal Kit for N19340		60	W-522	Lockwasher - 5/16	8
	C26358	Knob for N19340		61	W-521	Lockwasher - 1/4	6
11	N15023	Check Valve - 1/2 FNPT	1	62	W-516	Hex Nut - 1/2	3
12	N16399	Oil Line - 3 PSI - 1 1/16-12 ORB	1	63	D-5279	Serrated Locknut - 3/8	2
13	N27601	Oil Line - 1 x 108 Lg w/45 Bend	2	64	W-514	Hex Nut - 3/8	3
14	N27602	Oil Line - 1/2 x 112 Lg w/45 Bend	1	65	W-513	Hex Nut - 5/16	8
15	F-4560	Oil Line - 5/8 x 99 Lg w/90 Bend	2	66	W-512	Hex Nut - 1/4	6
16	N19442	Hyd Hose - 3/4 x 396 Lg w/1/2 MNPT	2	67	N19432	Nut - 1 5/16-12 JIC	2
16A	N19452	Hyd Hose - 3/4 x 348 Lg w/1/2 MNPT	2	68	N16621	Plug - 9/16-18 ORB	1
16B	N44955	Hyd Hose - 3/4 x 456 Lg w/1 1/16-12 MORB	2	69	D-4838	Tie Strap	15
17	N19344	Hyd Hose - 3/4 x 222 Lg w/1 5/16-12 MJIC x 1/2 MNPT	2	70	N28659	Oil Line - 1 x 26 Lg 7240 / 7252 / 7300 ONLY	2
18	N19343	Hyd Hose - 3/4 x 210 Lg w/1 1/16-12 MJIC x 1/2 MNPT	1	71	N28658	Oil Line - 1/2 x 26 Lg 7240 / 7252 / 7300 ONLY	2
19	N19434	Hyd Hose - 3/4 x 35 Lg w/1 5/16-12 MJIC x 1 1/16-12 FJIC	2	72	N16346	Connector - 1 5/16-12 MJIC 7240 / 7252 / 7300 ONLY	1
20	N15991	Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC	3	73	N25754	Connector - 3/4-16 MJIC 7240 / 7252 / 7300 ONLY	1
22	N19365	Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	74	N29366	Tee - (2) 1 1/16-12 MJIC x (1) 3/4 MNPT	1
		Used on 7130 / 7180 / 7252		75	N29357	Plug - 3/4 MNPT	1
		Used on 7240 / 7300		76	N29349	Connector - 1 5/16-12 MJIC x 3/4 MNPT	1
23	C-4387	Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2	77	C26259	Hyd Hose - 1/2 x 108 Lg w/7/8-14 FJIC 7130 / 7180	2
24	N19443	Hyd Hose - 3/8 x 396 Lg w/1/2 MNPT	2		N19345	Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC 7240 / 7252 / 7300	2
24A	N19451	Hyd Hose - 3/8 x 348 Lg w/1/2 MNPT	1	78	N29359	Connector - 3/4-16 MJIC x 7/8-14 ORB	6
24B	N44956	Hyd Hose - 3/8 x 456 Lg w/7/8-14 MORB	1	79	N29360	90 Elbow - 7/8-14 MJIC x 7/8-14 ORB	2
		(5-Frame Contour Air Drill)		80	N29358	Connector - 3/4-16 MJIC x 9/16-18 ORB	6
25	N19346	Hyd Hose - 3/8 x 222 Lg w/3/4-16 MJIC x 1/2 MNPT	1	81	N29319	Hydraulic Motor - DANFOSS	3
26	N19475	Hyd Hose - 3/8 x 48 Lg w/9/16-18 FJIC x 3/4-16 MJIC	1		N32517	Seal Kit for DANFOSS motor	
27	N16388	Male Tee - (1) 1 1/16-12 ORB x (2) 1 1/16-12 MJIC	2		N42365	Seal Kit for WHITE RS series motor	
28	N19336	Swivel Tee - (1) 1 5/16-12 FJIC x (2) 1 5/16-12 MJIC	2	82	N29320	Valve Manifold Assembly (See pg.10-15 for Details)	1
29	N16359	90 Elbow - 1 1/16-12 ORB x 1 1/16-12 MJIC	2	83	N29362	Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC 7130 / 7180	2
30	N19578	45 Elbow - 9/16-18 ORB x 9/16-18 MJIC	1	84	N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7252 / 7300	2
31	C-4400	90 Elbow - 1/2 MNPT x 7/8-14 MJIC	3	85	N29361	Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC	2
32	N19341	90 Elbow - 1 1/16-12 MJIC x 3/4 MNPT	2		N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7130 / 7180	2
33	N15033	45 Elbow - 1/2 MNPT x 7/8-14 MJIC	1		N29364	Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300	2
34	C-4402	Adapter - 1/2 MNPT x 7/8-14 MJIC	3	86	N29365	Plug - 9/16-18 ORB	2
35	C-4399	Reducer - 3/4 MNPT x 1/2 FNPT	3	87	W-1847	Hex Bolt - 1/4 x 5 Lg	2
37	N15032	Reducer - 3/4 MNPT x 1/2 FNPT	3	88	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	3
38	N19338	Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC	2	89	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	3
39	N19337	Male Pioneer Tip - 1/2 FNPT	6	90	N29964	Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN	3
40	C-817	Pioneer Coupler - 1/2 FNPT	3	91	Seal #555-001 (Not Shown)	Seal #555-001 (Not Shown)	2
41	C-818	Nylon Oil Line Clamp	8		N19023	Decal - "Hot" (Not Shown)	1
42	C-4698				N19031	Decal - "Auger - Fan" (Not Shown)	1
					N29354	Decal - "Calibration - Fan" (Not Shown)	1

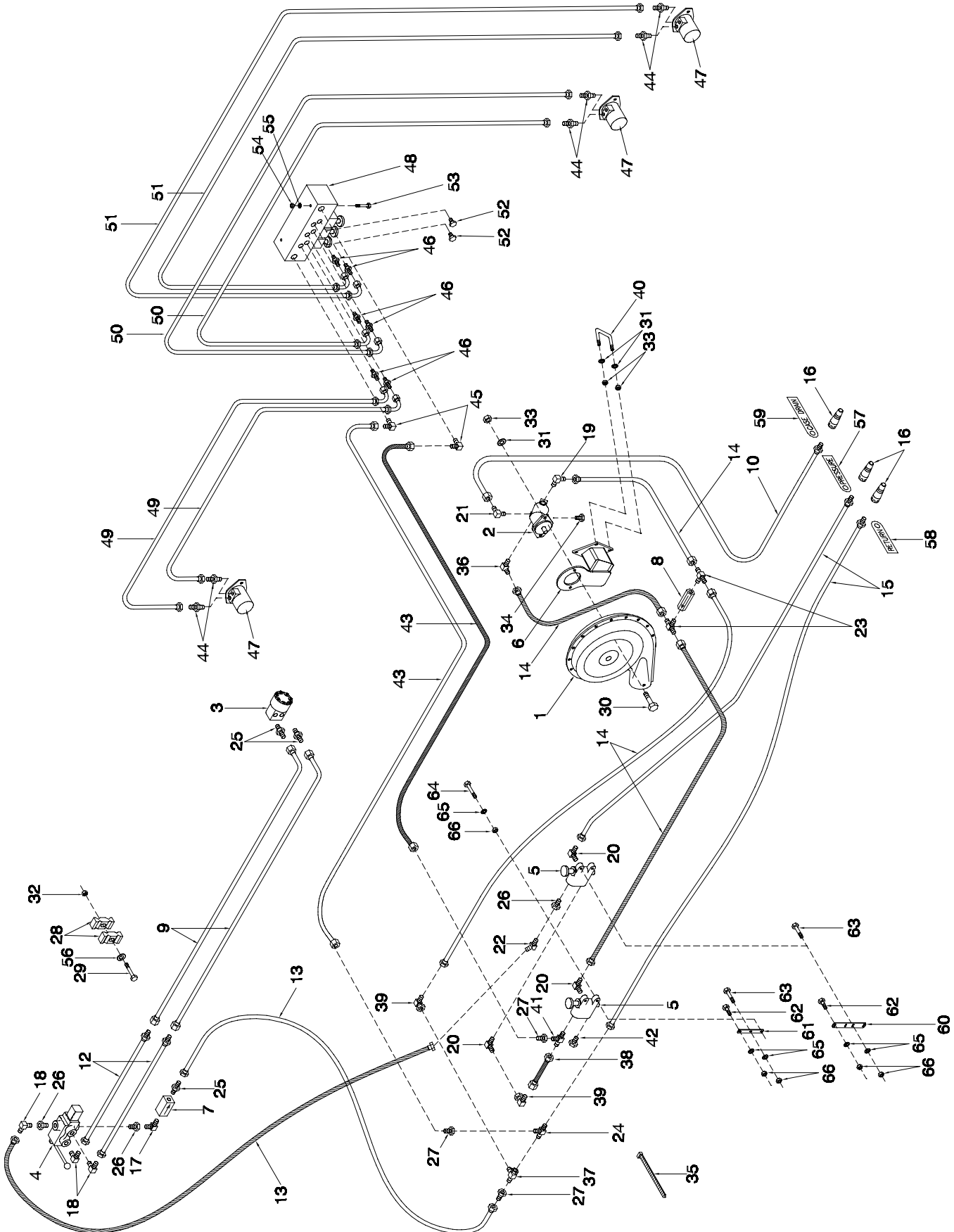
Variable Rate System Tow Between Hydraulics w/o Auger



Variable Rate System - Tow Between Hydraulics w/o Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16263	Fan (See pg 7-2)	1	35	N29358	Connector - 3/4-16 MJIC x 9/16-18 ORB	6
2	N16265	Hydraulic Motor - Rexroth - 10cc 7130	1	36	N29319	Hydraulic Motor - DANFOSS	3
	N29372	Hydraulic Motor - Rexroth - 12cc			N32517	Seal Kit for DANFOSS motor	
		7180 / 7240 / 7252 / 7300	1		N42365	Seal Kit for WHITE RS series motor	
3	N19340	(N25508 - Seal Kit) (N25507 Seal Only)		37	N29320	Valve Manifold Assembly (See pg. 10-15 for Details) .	1
	N31604	Selector Valve - 3/4 FNPT	1	38	N29362	Hyd Hose - 3/8 x 48 Lg w/ 3/4-16 FJIC 7180	2
	N31603	O-Ring #210 (Not Shown)			N29363	Hyd Hose - 3/8 x 60 Lg w/ 3/4-16 FJIC	
	C26358	Seal Kit for N19340				7240 / 7252 / 7300	2
4	N31032	Knob for N19349		39	N29361	Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC	2
	N31033	Fan Mount Bracket 7180	1	40	N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7180	2
	N31342	Fan Mount Bracket 7252	1		N29364	Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300	2
5	N16399	Check Valve - 0 PSI - 1 1/16-12 ORB	1		N31625	Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252	2
6	N16181	Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT .	1	41	N29365	Male Plug - 9/16-18 ORB	2
7	N25644	Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC	1	42	W-1847	Hex Bolt - 1/4 x 5 Lg	2
8	N16454	Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT ...	4	43	W-512	Hex Nut - 1/4	2
9	C-817	Male Pioneer Tip - 1/2 FNPT	2	44	W-521	Lockwasher - 1/2	2
10	N16359	90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB	3	45	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	1
11	N19341	90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT	1	46	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	1
12	N16143	90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB	2	47	N29964	Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN ..	1
13	N16388	Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB	1		N19023	Decal - "Hot" (Not Shown)	1
14	N19549	Male Tee - (3) 1 1/16-12 JIC	2		N19031	Decal - "Auger - Fan" (Not Shown)	1
15	N19337	Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC	2		N29354	Decal - "Calibration - Fan" (Not Shown)	1
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				

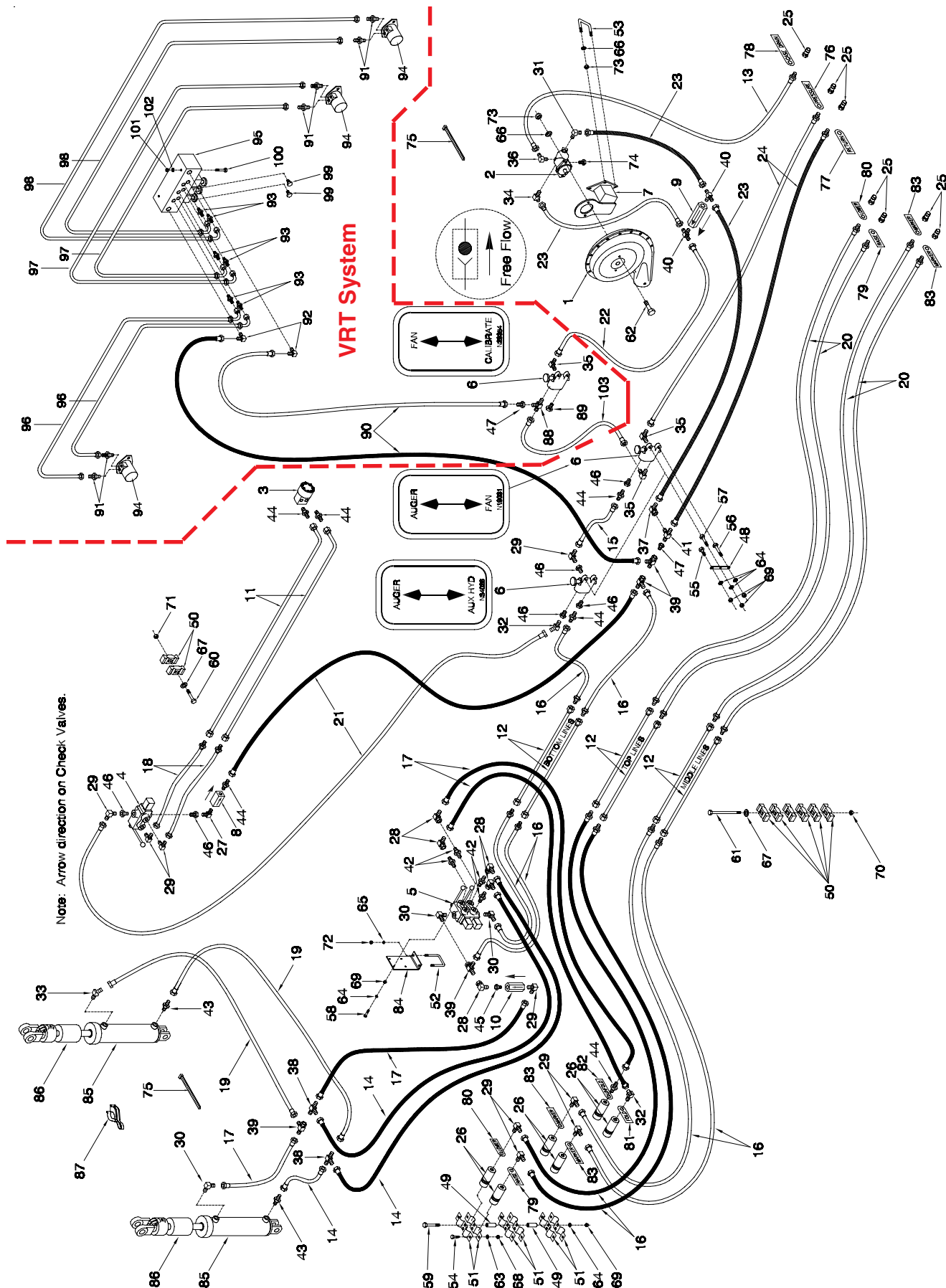
Variable Rate System Tow Between Hydraulics w/Auger



Variable Rate System - Tow Between Hydraulics w/Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16263	Fan (See pg 72)	1	36	N31096	45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB	1
2	N16265	Hydraulic Motor - Rexroth - 10cc 7130	1	37	N29356	Tee - (2) 1 1/16-12 MJIC x (1) 1 1/16-12 FJIC	1
	N29372	Hydraulic Motor - Rexroth - 12cc 7180 / 7240 / 7252 / 7300		38	N15991	Hyd Hose - 3/4 x 12 Lg w/1 1/16-12 FJIC	1
	N25508	Seal Kit for Rexroth Motors		39	N21189	Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC	2
	N25507	Seal Only for Rexroth Motors		40	H21351	U-Bolt - 1/2 x 6 1/16 x 5 1/16 7180	2
3	N15982	Orbit Motor	1		N31034	U-Bolt - 1/2 x 8 1/16 x 5 1/8 7240 / 7252 / 7300	2
	N16731	Seal Kit for N15982		41	N29366	Tee - (2) 1 1/16-12 MJIC x (1) 3/4 MNPT	1
	N25319	Shaft for N15982		42	N29357	Male Plug - 3/4 MNPT	1
4	N15024	Control Valve	1	43	N19345	Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC 7180	2
	N31606	Seal #555-001 (Not Shown)	2		C26343	Hyd Hose - 1/2 x 162 Lg w/7/8-14 FJIC 7240 / 7252 / 7300	2
	N31605	Seal Kit for N15204	1	44	N29359	Connector - 7/8-14 MJIC x 3/4-16 MJIC	6
	N24595	Handle for N15204	1	45	C15318	90 Male Elbow - 7/8-14 MJIC x 7/8-14 ORB	2
5	N19340	Selector Valve - 3/4 FNPT	2	46	N29358	Connector - 3/4-16 MJIC x 9/16-18 ORB	6
	N31604	O-Ring #210 (Not Shown)	2	47	N29319	Hydraulic Motor - DANFOSS	3
	N31603	Seal Kit for N19340			N32517	Seal Kit for DANFOSS motor	
6	C26358	Knob for N19340			N42365	Seal Kit for WHITE RS series motor	
	N31032	Fan Mount Bracket 7180	1	48	N29320	Valve Manifold Assembly (See pg. 10-15)	1
	N31033	Fan Mount Bracket 7240 / 7300	1	49	N29362	Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC 7180	2
	N31342	Fan Mount Bracket 7252	1		N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7240 / 7252 / 7300	2
7	N15023	Check Valve - 1/2 FNPT	1	50	N29361	Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC	2
8	N16399	Check Valve - 0 PSI - 1 1/16-12 ORB	1	51	N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC 7180	2
9	F-4560	Oil Line - 5/8 x 99 Lg w/90 Bend	2		N29364	Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC 7240 / 7300	2
10	N16181	Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT	1	52	N31625	Hyd Hose - 3/8 x 84 Lg w/3/4-16 FJIC 7252	2
12	C-4387	Hyd Hose - 1/2 x 36 Lg w/7/8-14 MJIC x 7/8-14 FJIC	2		N29365	Male Plug - 9/16-18 ORB	2
13	N19365	Hyd Hose - 1/2 x 140 Lg w/7/8-14 MJIC x 7/8-14 FJIC 7180	2	53	W-1847	Hex Bolt - 1/4 x 5 Lg	2
	C26343	Hyd Hose - 1/2 x 162 Lg w/7/8-14 MJIC x 7/8-14 FJIC 7252	2	54	W-512	Hex Nut - 1/4	2
	N21721	Hyd Hose - 1/2 x 180 Lg w/7/8-14 MJICx7/8-14 FJIC	2	55	W-521	Lockwasher - 1/4	2
		Used on 7240 / 7300		56	W-538	Flatwasher - 3/8	2
14	N25644	Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC	4	57	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	1
15	N16454	Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC x 1/2 MNPT	2	58	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	1
16	C-817	Male Pioneer Tip - 1/2 FNPT	3	59	N29964	Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN	1
17	N15033	90 Male Elbow - 1/2 MNPT	1	60	N29393	Strap	1
18	C-4400	90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT	3	61	N19713	Strap	1
19	N16359	90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB	1	62	F-1767	Hex Bolt - 5/16 x 3/4 Lg	3
20	N19341	90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT	3	63	C-3035	Hex Bolt - 5/16 x 1 3/4 Lg	3
21	N16143	90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB	1	64	S-1303	Hex Bolt - 5/16 x 2 Lg	1
22	C-4402	45 Male Elbow - 7/8-14 MJIC x 1/2 MNPT	1	65	W-522	Lockwasher - 5/16	7
23	N16388	Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB	2		W-513	Hex Nut - 5/16	7
24	N19549	Male Tee - (3) 1 1/16-12 JIC	1		W-19023	Decal - "Hot" (Not Shown)	1
25	C-4399	Connector - 7/8-14 MJIC x 1/2 MNPT	3		N19031	Decal - "Auger - Fan" (Not Shown)	1
26	N15032	Reducer - 3/4 MNPT x 1/2 FNPT	3		N29354	Decal - "Calibration - Fan" (Not Shown)	1
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				

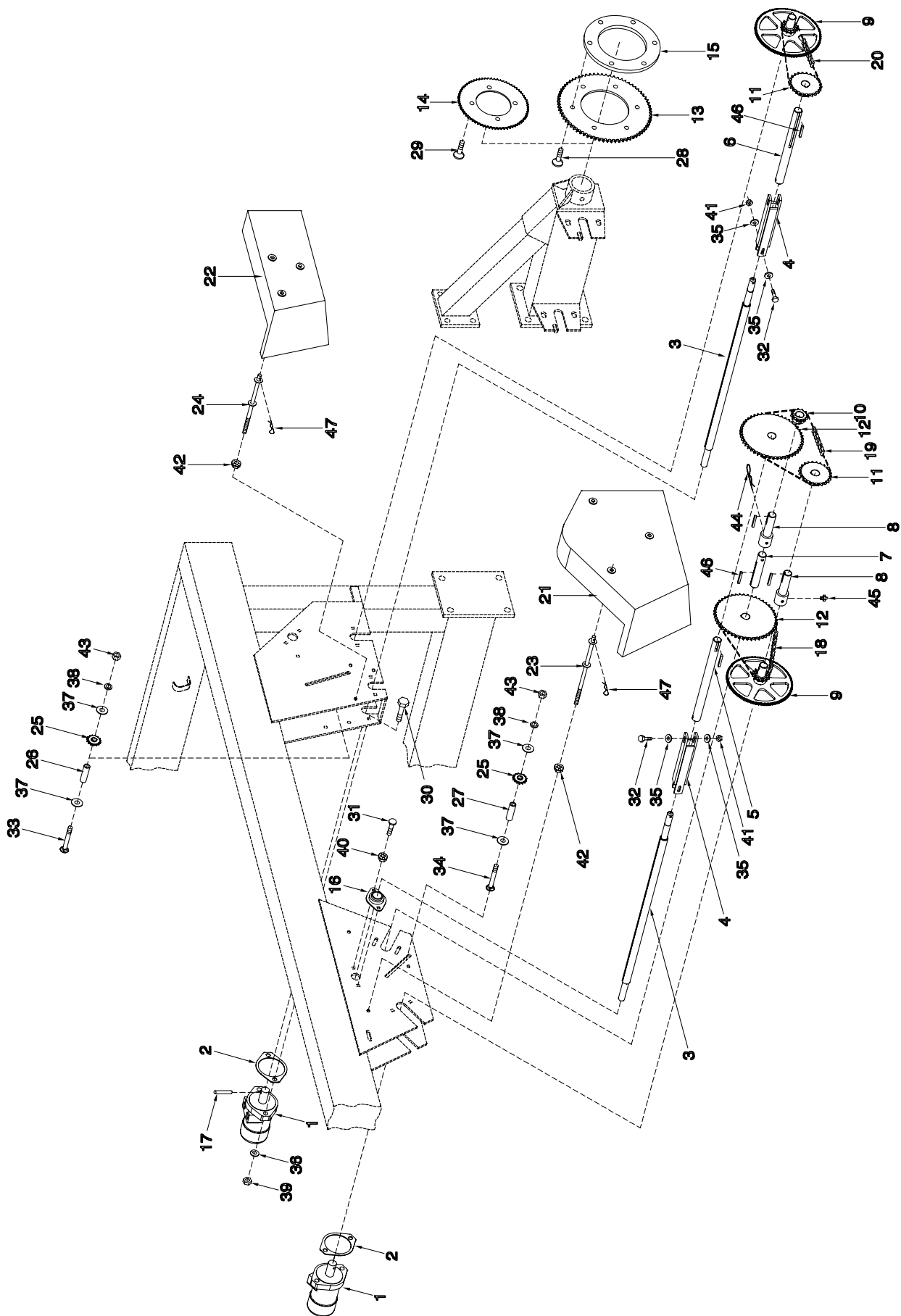
Variable Rate System Xpress Tow Between Hydraulics w/Auger



Variable Rate System - Xpress Tow Between Hydraulics w/Auger

Item	Part No.	Description	Qty	Item	Part No.	Description	Qty
1	N16283	Fan (See pg 7-2)	1	50	C-4698	Nylon Oil Line Clamp	16
2	N29372	Hydraulic Motor - Rexroth - 12cc	1	51	N16608	Coupler Clamp - Female Pioneer	6
	N25508	Seal Kit for Rexroth Motors - 12cc		52	N15098	U-Bolt - 3/8 x 4 x 5	1
3	N25507	Seal Only for Rexroth Motors 12cc	1	53	H21351	U-Bolt - 1/2 x 6 1/16 x 5 1/16 (7180)	2
	N15982	Orbit Motor			N31034	U-Bolt - 1/2 x 8 1/16 x 5 1/16 (7240)	2
	N16731	Seal Kit for N15982		54	W-469	Hex Bolt - 1/4 x 3/4 Lg	6
	N25319	Shaft for N15982		55	F-1767	Hex Bolt - 5/16 x 3/4 Lg	2
4	N15024	Control Valve	1	56	C-3035	Hex Bolt - 5/16 x 1 3/4 Lg	2
	N31605	Seal Kit for N15024		57	S-1303	Hex Bolt - 5/16 x 2 Lg	2
5	N24535	Handle for N15024	1	58	S-1302	Hex Bolt - 5/16 x 2 1/2 Lg	3
	N34048	Control Valve - Dbl Spool		59	N31314	Hex Bolt - 5/16 x 5 1/2 Lg	2
	N34051	Seal Kit for N34048		60	W-479	Hex Bolt - 3/8 x 2 1/4 Lg	2
6	N19340	Selector Valve - 3/4 FNPT	2	61	C-3664	Hex Bolt - 3/8 x 5 Lg	2
	N31603	Seal Kit for N19340		62	S-1189	Hex Bolt - 1/2 x 1 3/4 Lg	2
	C36338	Knob for N19340		63	W-521	Lockwasher - 1/4	8
7	N31032	Fan Mount Bracket 7180	1	64	W-522	Lockwasher - 5/16	13
	N31033	Fan Mount Bracket 7240		65	W-525	Lockwasher - 3/8	2
8	N15023	Check Valve - 1/2 FNPT	1	66	W-538	Lockwasher - 1/2	6
9	N16339	Check Valve - 0 PSI - 1 1/16-12 ORB	1	67	W-538	Flatwasher - 3/8	4
10	H-5545	Check Valve - 1/2 FNPT	1	68	W-512	Hex Nut - 1/4	8
11	F-4560	Oil Line - 5/8 x 99 Lg w/90 Bend	1	69	W-513	Hex Nut - 5/16	13
12	C-4367	Oil Line - 5/8 x 80 Lg (7240)	2	70	M-3388	Locknut - 3/8 Unitorque	2
	C-4369	Oil Line - 5/8 x 96 Lg (7180)	6	71	D-3279	Serrated Locknut - 3/8	2
13	N16181	Hyd Hose - 3/8 x 156 Lg w/9/16-18 FJIC x 1/2 MNPT	1	72	W-514	Hex Nut - 3/8	2
14	N24366	Hyd Hose - 1/2 x 12 Lg w/7/8-14 FJIC	3	73	W-516	Hex Nut - 1/2	6
15	C-4383	Hyd Hose - 1/2 x 20 Lg w/7/8-14 FJIC	1	74	N16621	Plug - 9/16-18 UNF ORB	1
16	C-4385	Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC	8	75	D-4836	Nylon Tie Strap (black) - 14 1/2 Lg	12
17	C-4468	Hyd Hose - 1/2 x 24 Lg w/7/8-14 FJIC x 7/8-14 FJIC	4	76	N29962	Tag - Hose ID - Air Tank - Fan/Auger - PRESSURE	1
18	C-4387	Hyd Hose - 1/2 x 36 Lg w/7/8-14 FJIC x 7/8-14 FJIC (7180)	2	77	N29963	Tag - Hose ID - Air Tank - Fan/Auger - RETURN	1
	C-4389	Hyd Hose - 1/2 x 60 Lg w/7/8-14 FJIC x 7/8-14 FJIC (7240)	2	78	N29964	Tag - Hose ID - Air Tank - Fan/Auger - CASE DRAIN	1
19	C18779	Hyd Hose - 1/2 x 72 Lg w/7/8-14 FJIC x 1/2 MNPT	2	79	S29958	Tag - Hose ID - Depth Control - RAISE	2
20	N19548	Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC x 7/8-14 FJIC	2	80	S29959	Tag - Hose ID - Depth Control - LOWER	2
21	N19545	Hyd Hose - 1/2 x 140 Lg w/7/8-14 FJIC x 7/8-14 FJIC (7180)	4	81	S29960	Tag - Hose ID - Wing Lift - FOLD	1
22	N21721	Hyd Hose - 1/2 x 180 Lg w/7/8-14 FJIC x 7/8-14 FJIC (7240)	2	82	S29961	Tag - Hose ID - Wing Lift - UNFOLD	1
23	N25644	Hyd Hose - 3/4 x 35 Lg w/1 1/16-12 FJIC	1	83	N34364	Tag - Hose ID - Wheel Marker	4
24	N16454	Hyd Hose - 3/4 x 130 w/1 1/16-12 FJIC	3	84	N34052	Mounting Plate - Control Valve	2
25	C-817	Male Pioneer Tip - 1/2 FNPT	2	85	C26300	Cylinder - 4 x 12 Lg	1
26	C-818	Pioneer Coupler - 1/2 FNPT	7	86	N32069	Spacer - Stroke Control 1.375 ID (Aluminum)	2
27	N15033	90 Male Elbow - 1/2 MNPT	6	87	S25999	Spacer - Cylinder Stroke (Aluminum) Not included with cylin	2
28	K-5806	90 Elbow - 7/8-14 FJIC x 7/8-14 FJIC	1	88	N29366	Tee - (2) 1 1/16-12 MJIC x (1) 3/4 MNPT	1
29	C-4400	90 Male Elbow - 7/8-14 MJIC x 1/2 MNPT	5	89	N29367	Male Plug - 3/4 MNPT	1
30	C24585	90 Male Elbow - 7/8-14 MJIC x 3/4-16 ORB	9	90	N19345	Hyd Hose - 1/2 x 132 Lg w/7/8-14 FJIC (7180)	2
31	N16359	90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB	3	91	C26343	Hyd Hose - 1/2 x 162 Lg w/7/8-14 FJIC (7240)	2
32	C-4402	45 Male Elbow - 1/2 MNPT x 7/8-14 MJIC	2	92	N29359	Connector - 7/8-14 MJIC x 3/4-16 MJIC	6
33	C26333	45 Male Elbow - 3/4-16 MORB x 7/8-14 MJIC	2	93	C15318	90 Male Elbow - 7/8-14 MJIC x 7/8-14 ORB	2
34	N31036	45 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 ORB	1	94	N29358	Connector - 3/4-16 MJIC x 9/16-18 ORB	6
35	N19341	90 Male Elbow - 1 1/16-12 MJIC x 3/4 MNPT	2		N29319	Hydraulic Motor - DANFOSS	3
36	N16143	90 Male Elbow - 9/16-18 MJIC x 9/16-18 ORB	1		Seal Kit for N29319		
37	N21189	90 Male Elbow - 1 1/16-12 MJIC x 1 1/16-12 FJIC	2	95	N29320	Valve Manifold Assembly (See pg. 10-15)	1
38	H18746	Male Tee - (2) 7/8-14 MJIC	1	96	N29362	Hyd Hose - 3/8 x 48 Lg w/3/4-16 FJIC (7180)	2
39	N16388	Male Tee - (2) 1 1/16-12 JIC x (1) 1 1/16-12 ORB	2	97	N29363	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC (7240)	2
40	N19549	Male Tee - (3) 1 1/16-12 JIC	1	98	N29361	Hyd Hose - 3/8 x 36 Lg w/3/4-16 FJIC	2
41	C14840	Connector - 7/8-14 MJIC x 9/16-18 MORB	2	99	N29364	Hyd Hose - 3/8 x 60 Lg w/3/4-16 FJIC (7180)	2
42	N34047	Connector - 7/8-14 MJIC x 1/2 MNPT	1		N29365	Hyd Hose - 3/8 x 72 Lg w/3/4-16 FJIC (7240)	2
43	C-4399	Connector - 7/8-14 MJIC x 1/2 MNPT	2	100	W-1847	Male Plug - 9/16-18 ORB	2
44	N40509	Connector - 7/8-14 FJIC x 1/2 MNPT	5	101	W-512	Hex Bolt - 1/4 x 5 Lg	2
45	N15032	Reducer - 3/4 MNPT x 1/2 FNPT	1	102	W-521	Lockwasher - 1/4	2
46	N19337	Reducer - 7/8-14 MJIC x 1 1/16-12 FJIC	6	103	N37900	Hyd Hose - 3/4 x 18 Lg w/1 1/16-12 FJIC	1
47	N19713	Strap	2		N19031	Decal - "Auger/Fan" (Not Shown)	1
48	N19458	Spacer - 2	4		N29354	Decal - "Calibration - Fan" (Not Shown)	1
					N34026	Decal - "Auger/Aux Hyd" (Not Shown)	1
					N34288	Decal - "Fold/Unfold" (Not Shown)	1

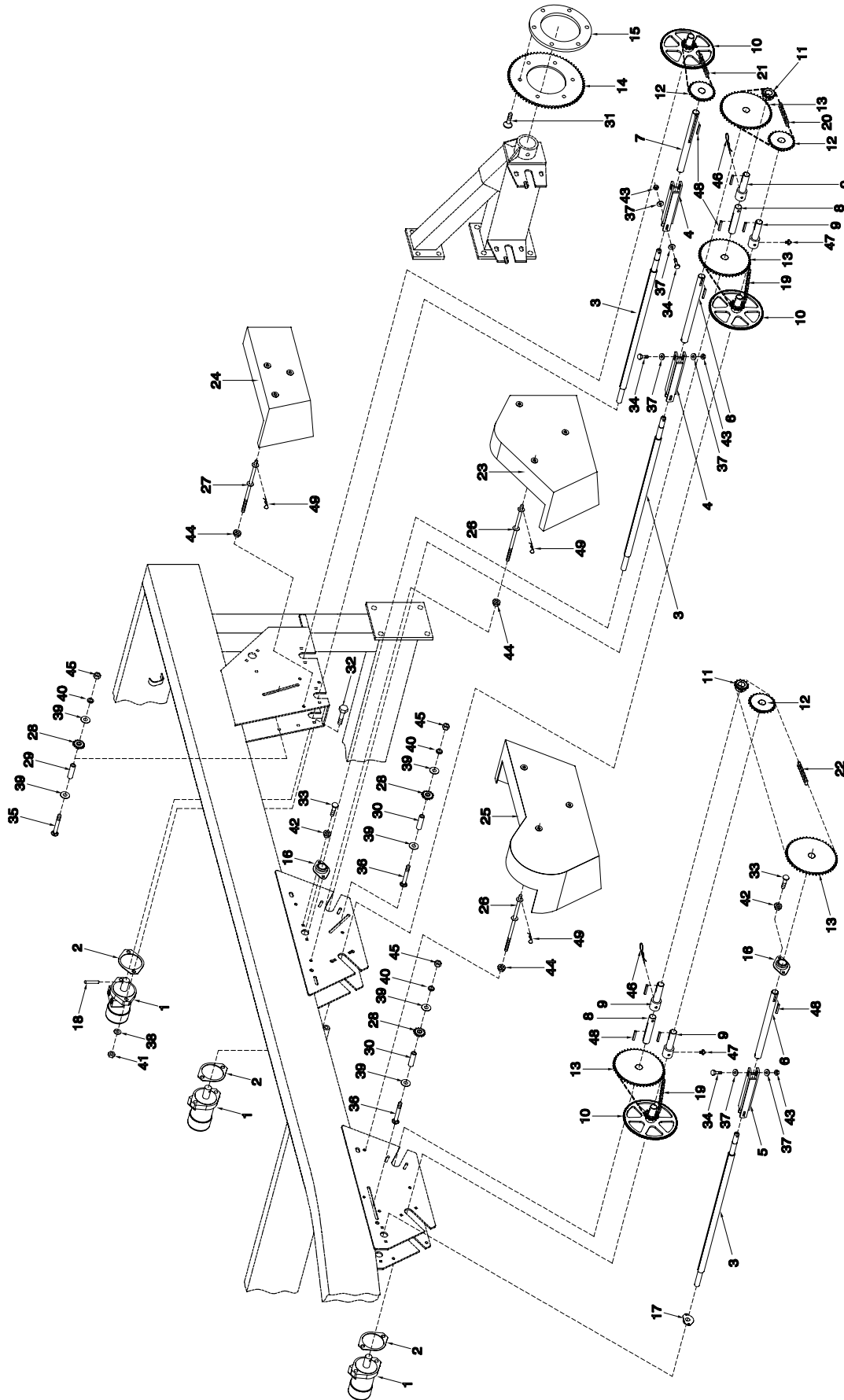
Variable Rate System Metering Drive 7180 / 7240 / 7300



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

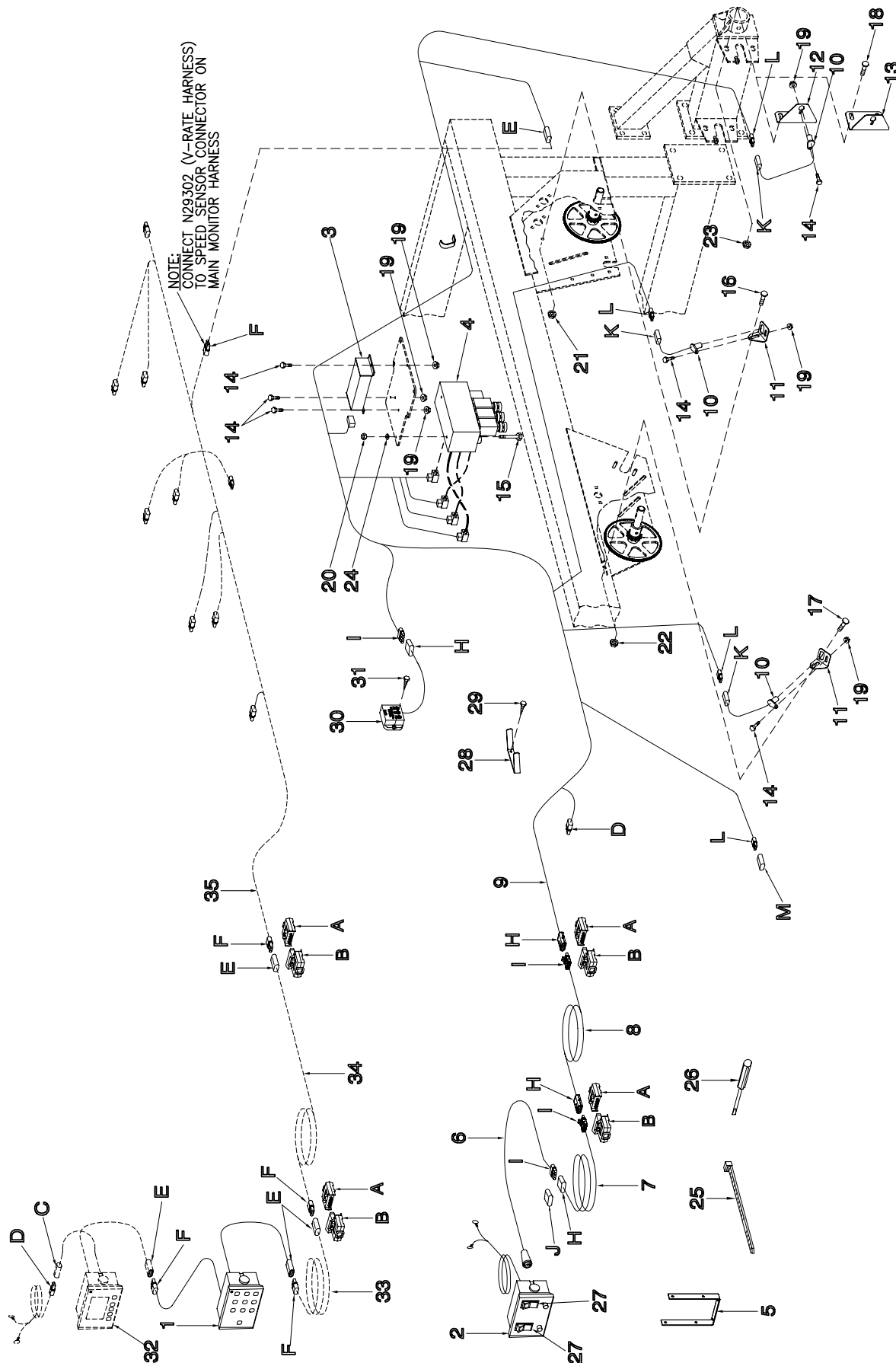
Variable Rate System Metering Drive 7252



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

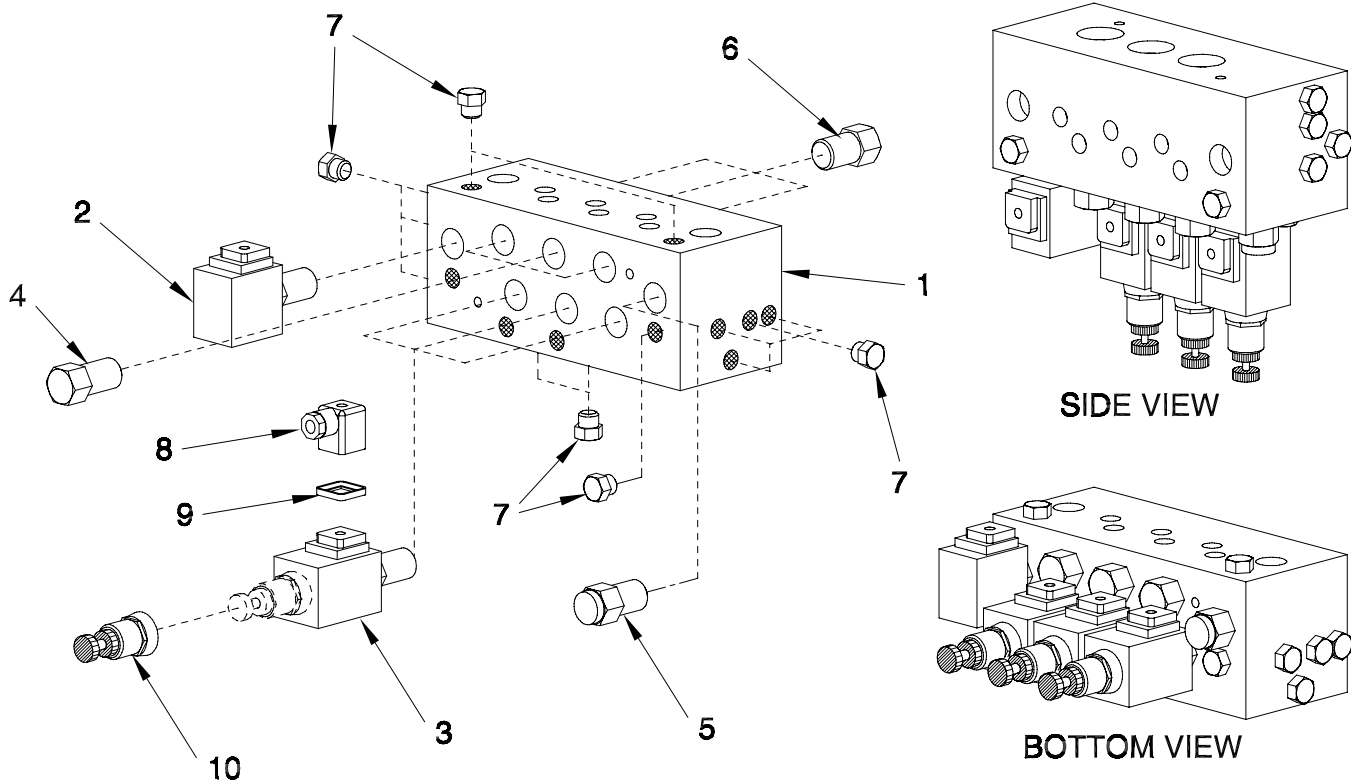
Variable Rate System Control System



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



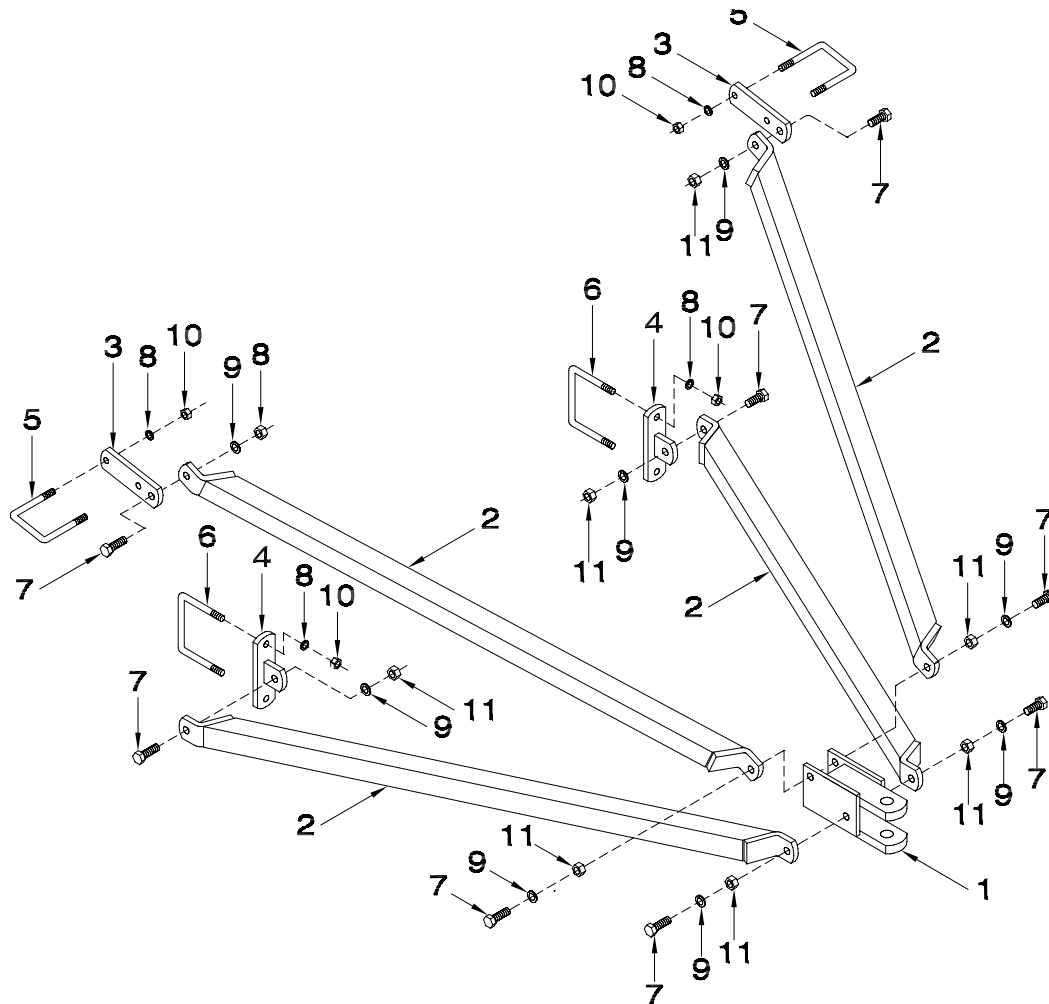
Item	Part No.	Description	Qty
1	N29321	Valve Manifold Block	1
2	N29322	Valve - Dump - Solenoid	1
3	N29323	Valve - Solenoid - Flow Element	3
4	N29324	Valve - Flow Restrictor - Slave	3
5	N29325	Valve - Flow Regulator - Supply	1
6	N29328	Valve - Flow Regulator - Drain	3
7	N29365	Male Plug - 9/16-18 ORB	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

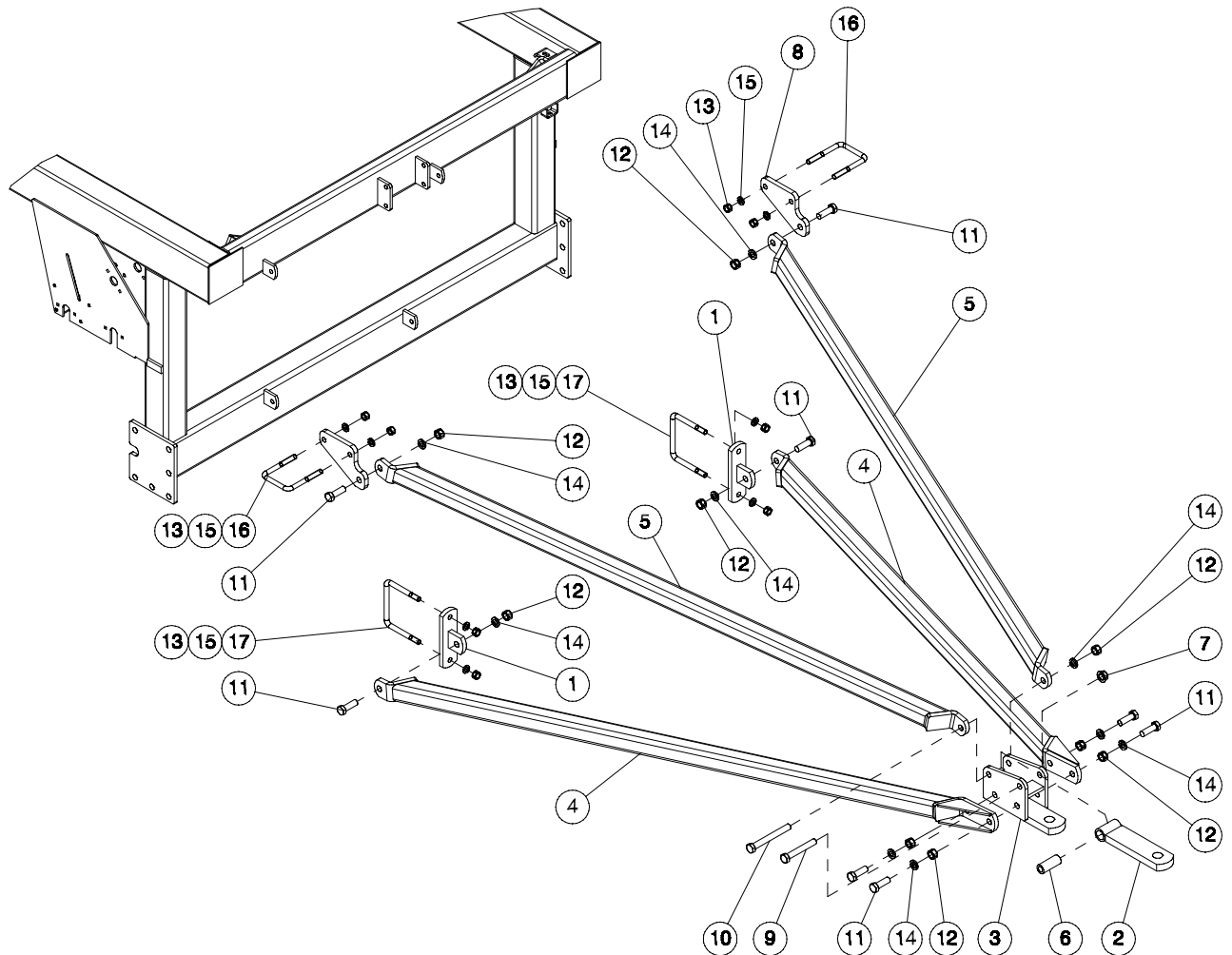
Rear Tow Hitch	10-2
Rear Tow Hitch - Long	10-3
Hyd Extension Kit for Rear Tow Hitch	10-4
Hitch Extension Kit for Tow Between Cart	10-5
Three Point Hitch	10-6
Three Point Hitch Air Cart Hydraulics w/Std Auger	10-8
Three Point Hitch Hydraulics for Xpress (Prior to November 2004)	10-10
Three Point Hitch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

Options Rear Tow Hitch



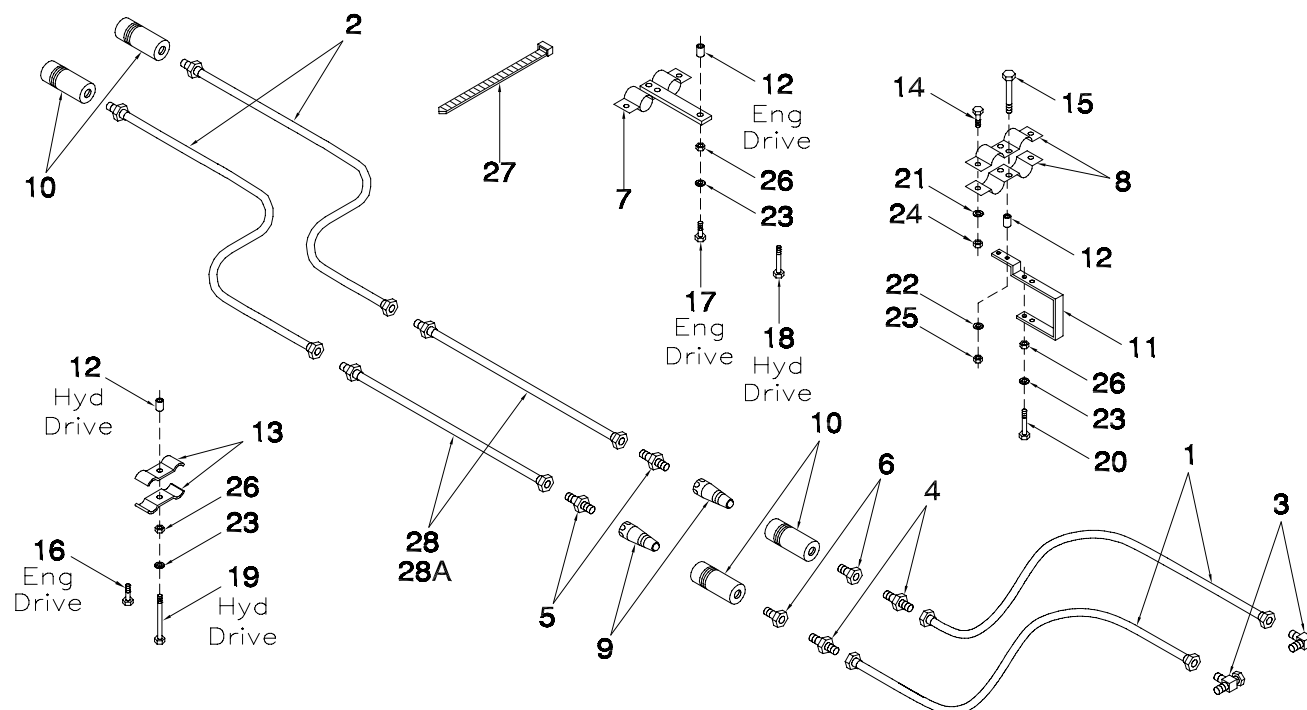
Item	Part No.	Description	Qty
1	N27580	Tongue - Packer Hitch	1
2	N27583	Tube- Packer Hitch	4
3	N27579	Hitch Bracket - Top	2
4	N27586	Hitch Bracket - Bottom	2
5	C-219	U-Bolt - 5/8 x 4 x 5 9/16 Lg	2
6	F-4642	U-Bolt - 5/8 x 6 x 5 1/2 Lg	2
7	W-1553	Hex Bolt - 3/4 x 2 1/4 Lg	8
8	W-526	Lockwasher - 5/8	8
9	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



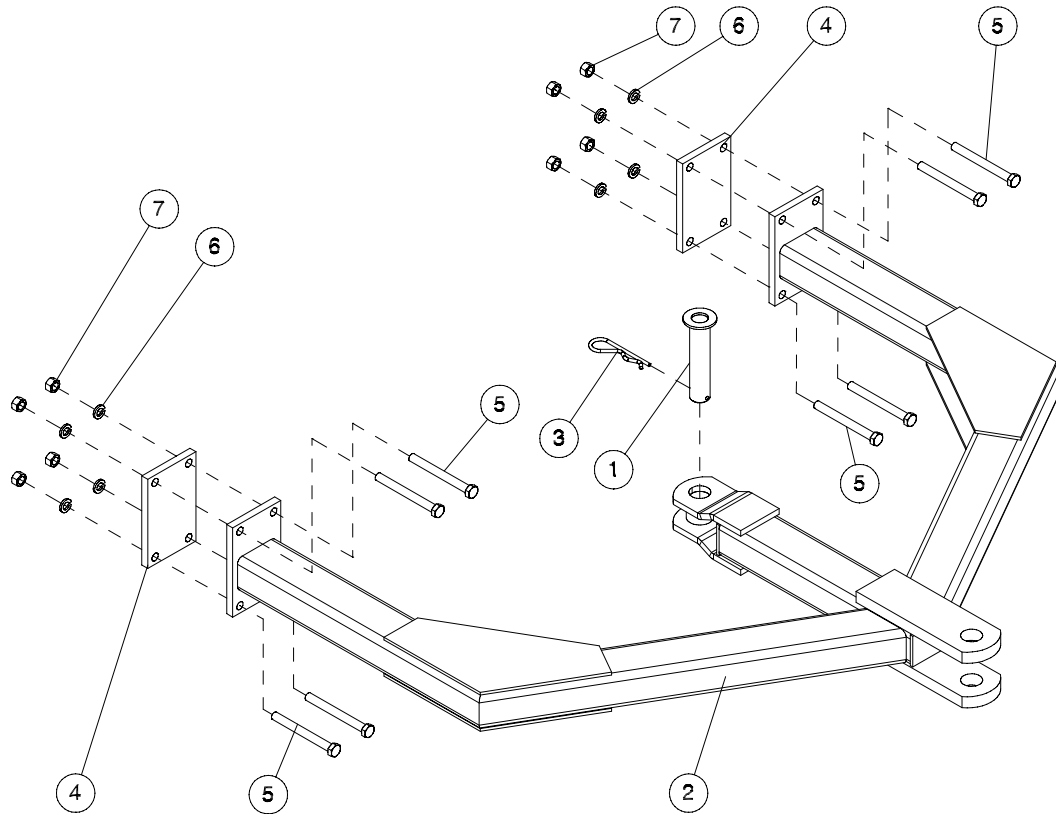
Item	Part No.	Description	Qty
1	N27586	Hitch Bracket - Bottom	2
2	N34298	Hammer Strap	1
3	N34299	Hitch Tongue	1
4	N34396	Bottom Brace - Tow Hitch	2
5	N34398	Top Brace - Tow Hitch	2
6	N34354	Bushing	1
7	D12942	Flange Lock Nut - 3/4 Serrated	1
8	N34456	Top Hitch Bracket	2
9	S-1191	Hex Bolt - 3/4 x 5 Lg	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



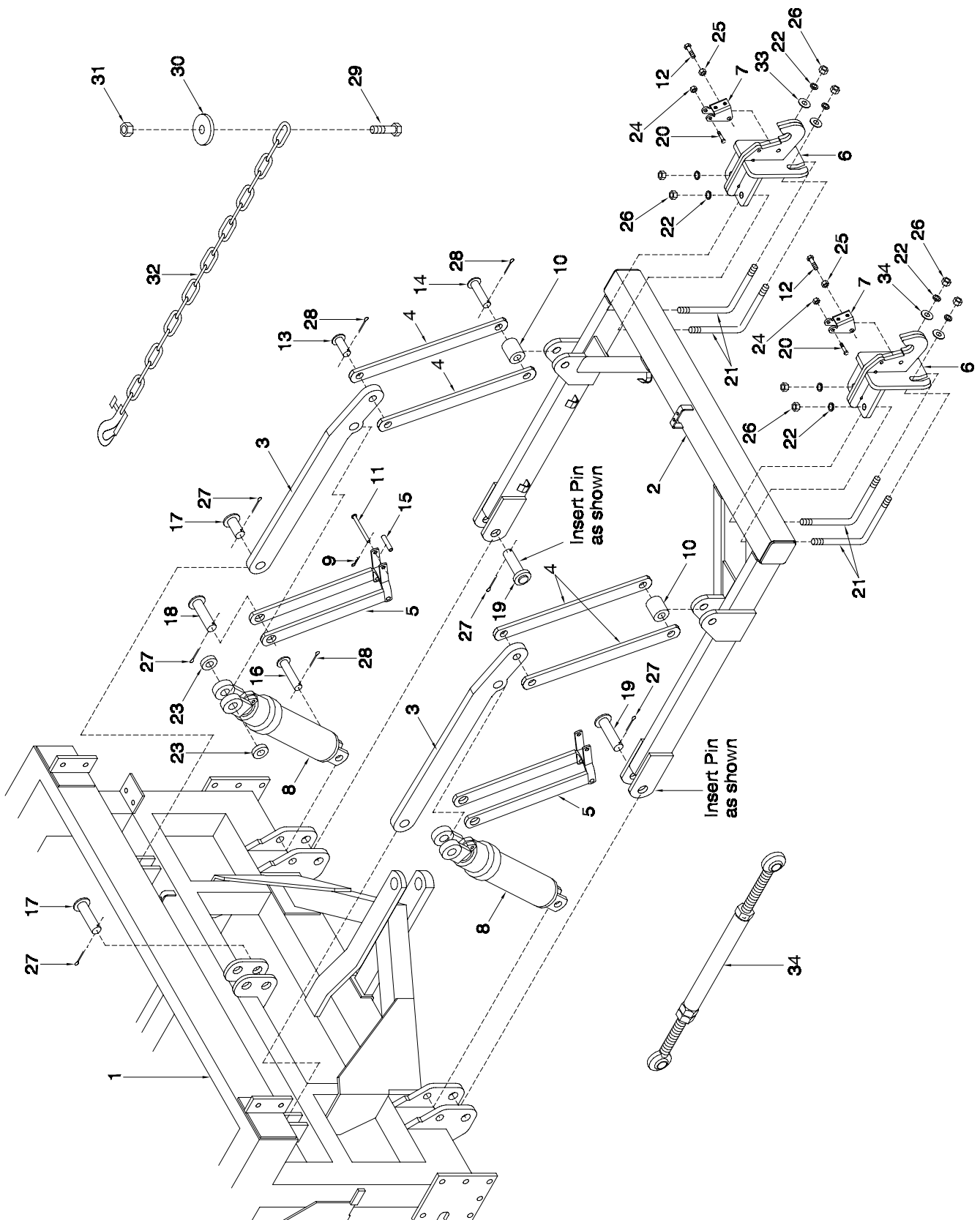
Item	Part No.	Description	Qty
1	H18267	Hyd Hose - 1/4 x 96 Lg w/9/16-18 FJIC	2
2	N15041	Hyd Hose - 1/2 x 293 Lg w/7/8-14 FJIC x 1/2 MNPT	2
3	C-4403	Tee - (2) 9/16-18 MJIC x (1) 9/16-18 FJIC	2
4	C-4405	Connector - 9/16-18 MJIC x 3/8 MNPT	2
5	C-4399	Connector - 7/8-14 MJIC x 1/2 MNPT	2
6	C-719	Reducer - 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

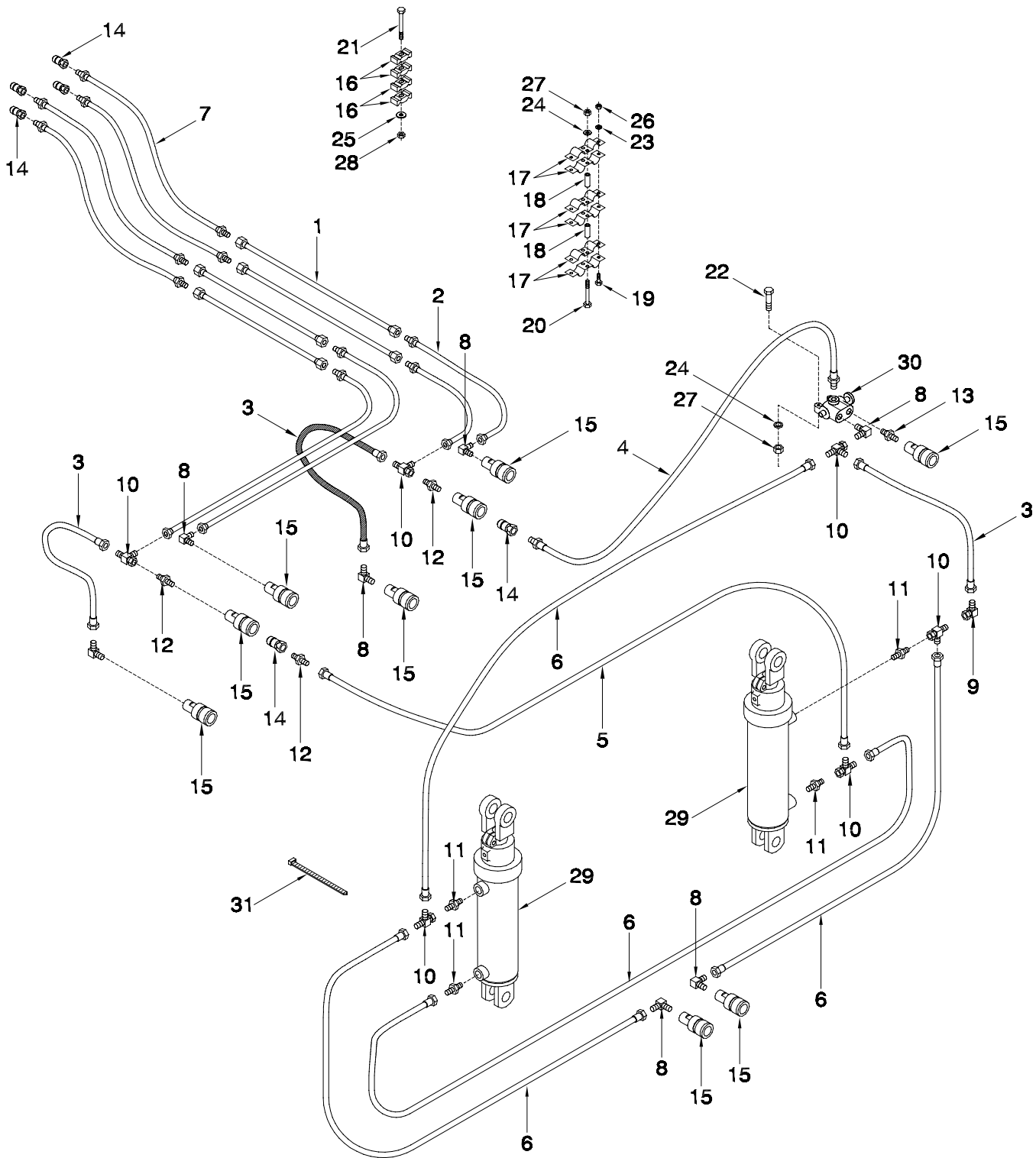


Options - Three Point Hitch

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.

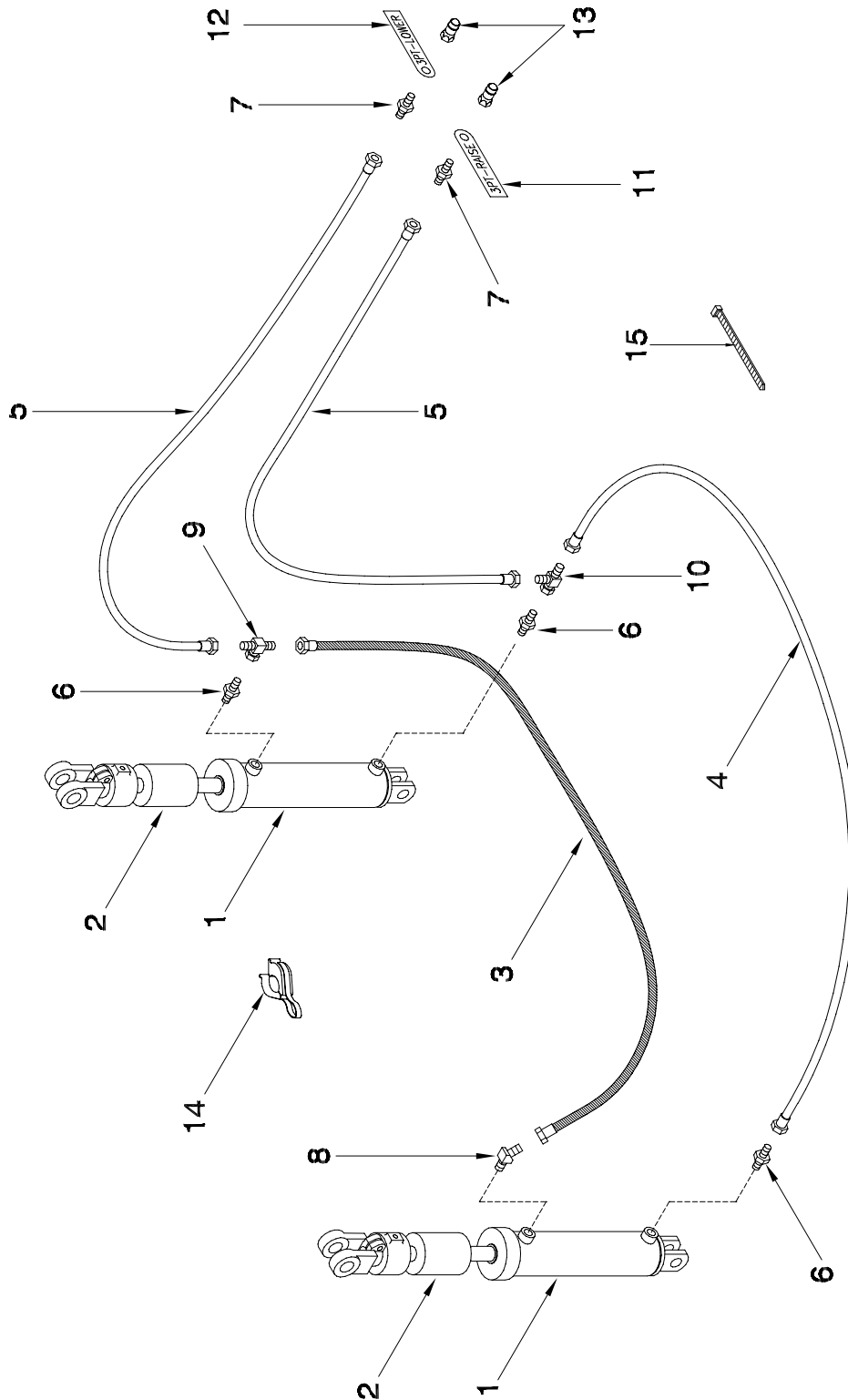
Options Three Point Hitch Air Cart Hydraulics w/Std Auger



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			

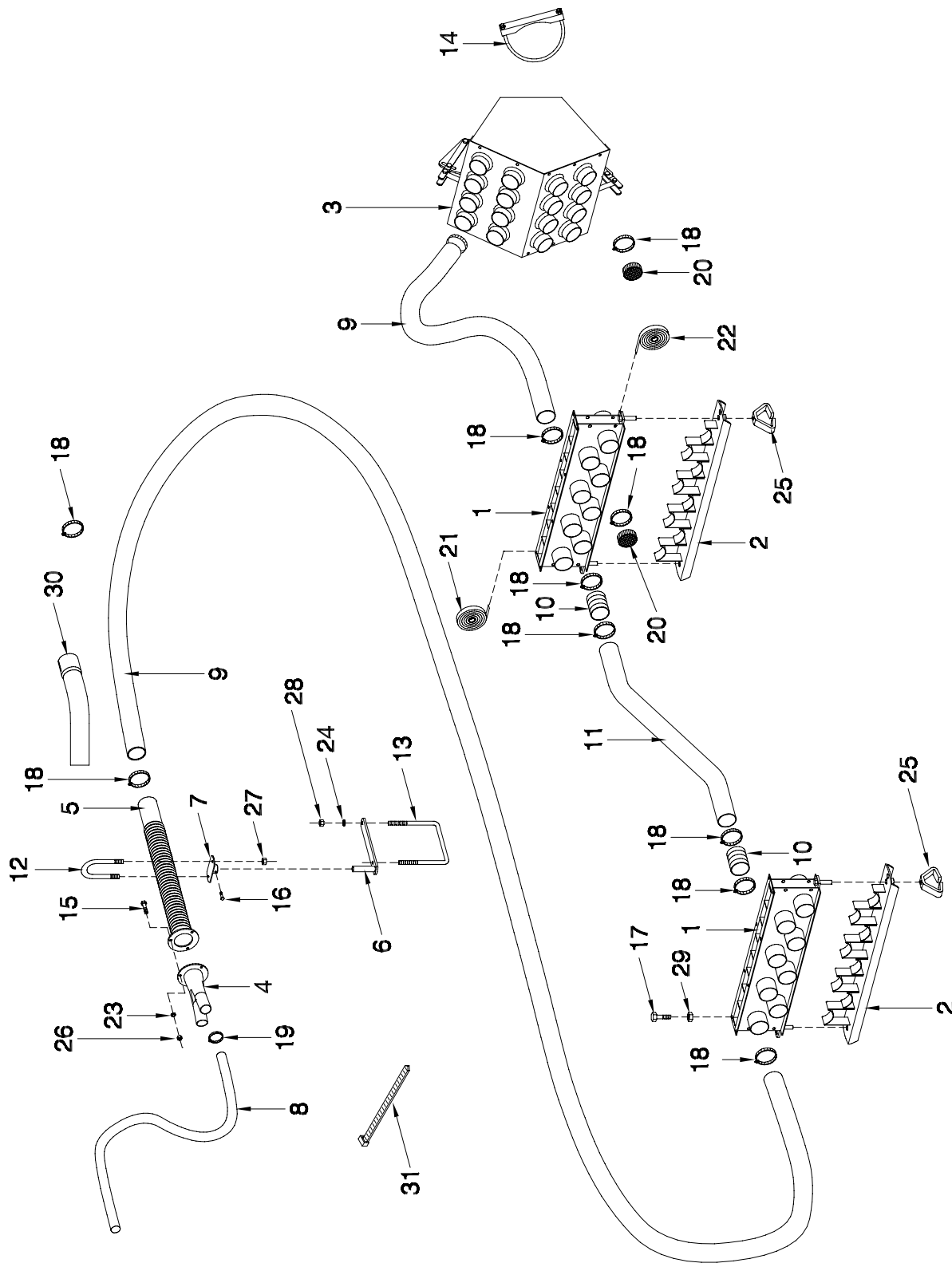
Options Three Point Hitch Hydraulics for Xpress (Prior to November 2004)



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

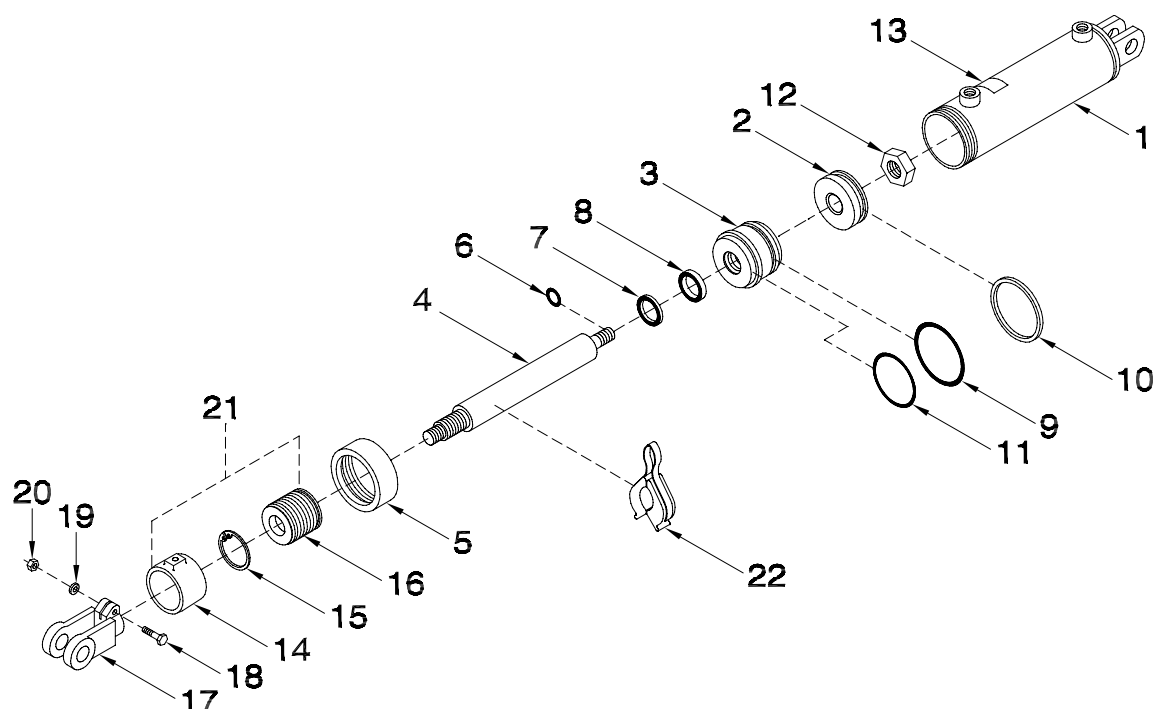
Options Three Point Hitch Distribution



Options - Three Point Hitch Distribution

Item	Part No.	Description	No: Used	
			8 Row	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

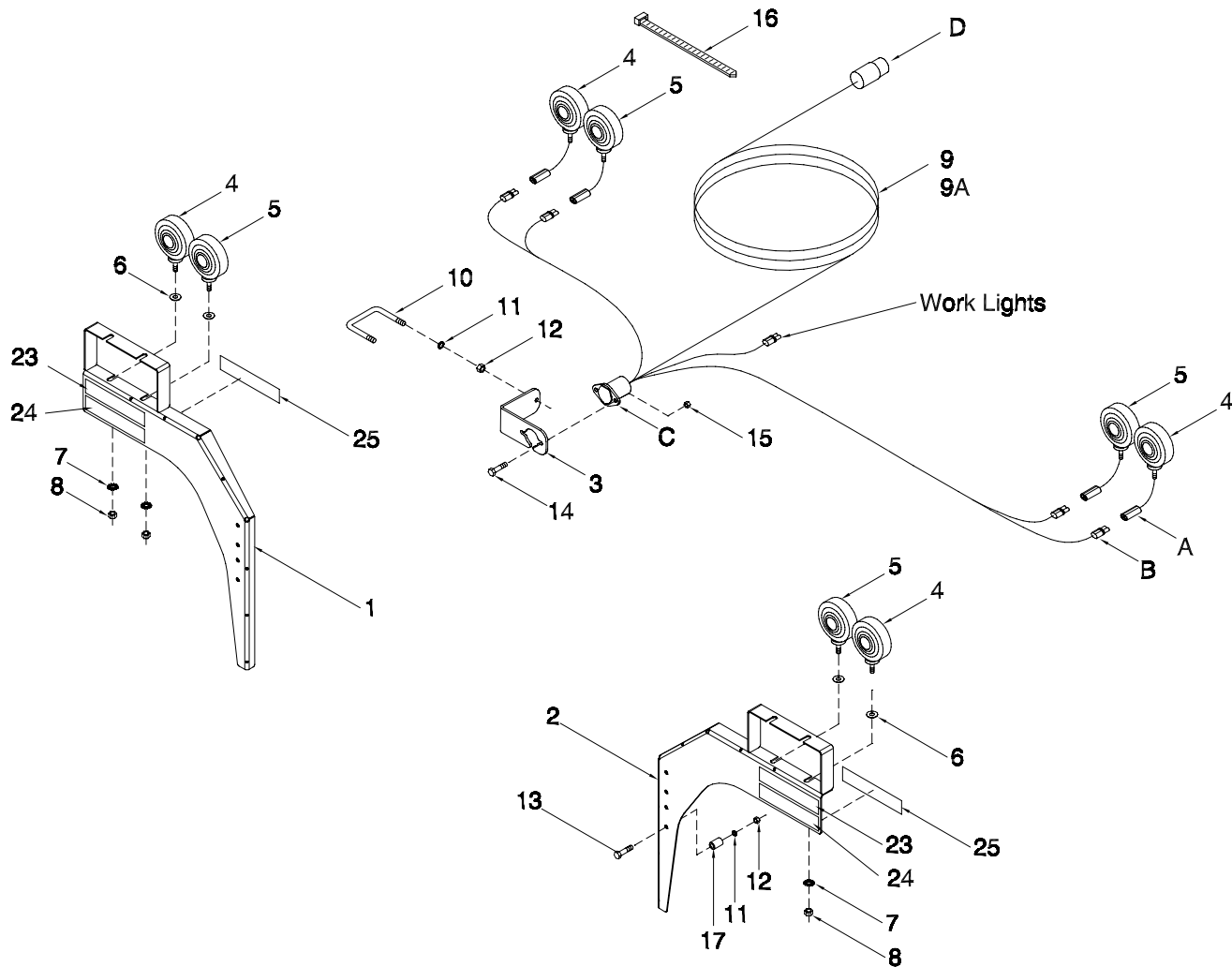
Section 11: Lighting

Section Contents

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

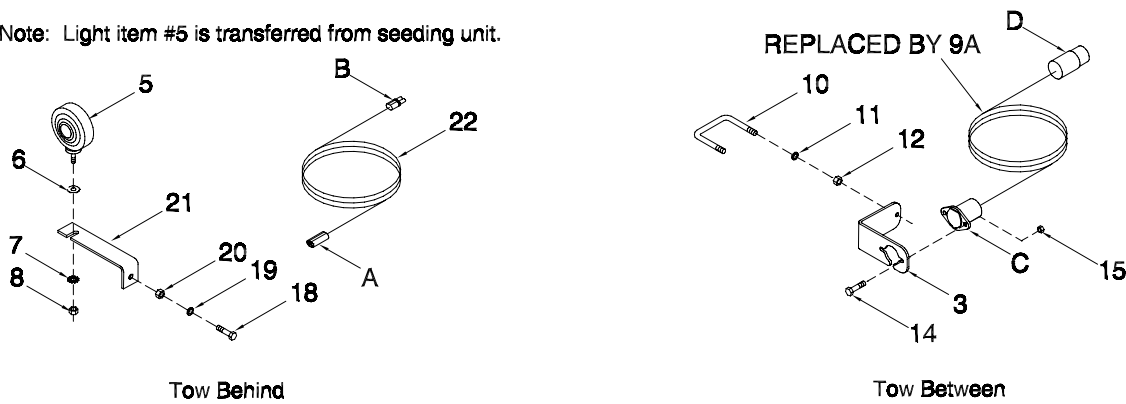
Safety Lights 7000 Series Air Cart

AIR CARTS 2001 TO PRESENT



AIR CARTS PRIOR TO 2001

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



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

N19706 2-4, 2-8, 2-12, 2-13, 9-13, 9-15	11, 6-13, 6-15	N24421 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N27021 1-17, 1-19, 1-23, 1-25
N19708 3-2, 3-3	N21300 1-17, 1-19	N24583 2-20	N27025 1-11, 1-13, 1-14
N19709 3-2, 3-3	N21336 5-4	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	N27030 1-11
N19713 5-11, 5-15, 5-17, 5-19, 5-21, 9-3, 9-5, 9-7, 9-9, 9-11	N21396 5-4	N24774 2-4, 2-8	N27035 1-11, 1-13, 1-14
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	N21450 1-3, 1-5, 1-7, 1-9	N24775 1-17, 1-19, 1-21, 1-23, 1-25	N27041 1-17, 1-19, 1-21, 1-23, 1-25
N19723 1-3, 5-5	N21475 1-3, 1-5, 1-9, 5-9, 5-11	N24779 2-5, 2-9, 9-13, 9-15	N27042 1-17, 1-19, 1-21, 1-23, 1-25
N19726 1-3, 1-5, 1-9	N21538 2-20, 9-17	N24780 2-4, 2-8, 9-13, 9-15	N27045 4-3, 4-5, 4-7, 4-9, 4-11, 4-37, 4-42
N19727 3-2, 3-3	N21539 2-20, 9-17	N24782 2-4, 2-8	N27050 4-3, 4-7, 4-11
N19736 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N21602 2-10, 2-11	N24792 1-3, 1-5, 1-7, 1-9	N27059 1-17, 1-19
N19737 6-3, 6-5, 6-11, 6-13, 6-15	N21604 1-3, 1-5, 1-7, 1-9	N24792 1-3, 1-5, 1-7, 1-9	N27060 1-23, 1-25
N19745 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N21612 2-10, 2-11	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	N27065 1-17, 1-19
N19760 2-8, 9-15	N21632 5-9, 5-11, 9-3, 9-5	N25457 1-5, 1-7, 1-9	N27070 1-11, 1-17, 1-19, 1-21, 1-23, 1-25
N19770 4-26, 4-29, 4-32, 4-35, 4-38, 4-40, 4-44, 4-46, 4-49	N21633 5-4	N25475 1-17, 1-19	N27080 1-3, 1-5, 1-7
N19774 2-12, 2-13	N21659 2-10, 2-11	N25479 3-4	N27087 2-10, 2-11
N19777 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N21672 2-8	N25507 5-11, 5-15, 5-17, 5-19, 5-21, 7-4, 9-9, 9-11	N27088 2-10, 2-11
N19778 6-3, 6-5, 6-9, 6-13, 6-15	N21690 5-7, 5-9, 5-11, 9-3, 9-5	N25508 5-9, 5-11, 5-13, 5-15, 5-17, 5-19, 5-21, 7-4, 9-9, 9-11	N27089 2-10, 2-11
N19784 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N21706 6-13	N25544 6-3, 6-5, 6-15	N27090 2-10, 2-11
N19788 6-3, 6-8, 6-15	N21721 5-7, 5-11, 5-15, 5-17, 5-19, 5-21, 9-5, 9-9, 9-11	N25595 6-8	N27097 2-10, 2-11
N19791 1-3, 1-5, 1-7, 1-9	N21735 6-8, 6-11, 6-13	N25616 3-3	N27098 2-10, 2-11
N19794 1-11	N21746 4-46	N25617 3-4	N27099 2-10, 2-11
N19795 1-11, 1-13, 1-14	N22777 2-4, 2-8, 9-13, 9-15	N25644 5-13, 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11	N27100 1-7, 2-10
N19796 1-11	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	N25668 6-8, 6-13	N27141 1-3
N20772 1-11, 1-17, 1-19	N22793 1-11, 1-17, 1-19	N25741 6-8	N27142 1-3
N21008 1-11	N22794 1-11, 1-17, 1-19	N25753 6-8	N27143 1-3
N21024 2-13	N22797 1-11, 1-17, 1-19	N25754 5-9, 5-11, 9-3, 9-5	N27155 1-3, 1-5, 1-7, 1-9
N21055 4-49	N22799 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N25755 3-4	N27191 1-3, 1-9
N21057 4-49	N22800 1-11, 1-17, 1-19	N27000 1-11	N27192 1-3, 1-9
N21060 4-49	N22802 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N27001 1-11, 1-13, 1-14, 1-21	N27193 1-3, 1-9
N21061 4-49	N22809 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N27002 1-11, 1-13, 1-14, 1-21	N27251 1-5
N21076 6-8	N23188 6-15	N27005 1-3, 1-5, 1-7, 1-9	N27252 1-5
N21077 6-3	N24301 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25	N27006 9-17	N27253 1-5
N21079 6-3, 6-5, 6-15	N24309 4-49	N27007 9-17	N27311 1-5
N21080 4-49	N24311 4-49	N27008 9-17	N27312 1-5
N21081 1-13	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	N27009 9-17	N27313 1-5
N21189 5-15, 5-17, 5-19, 5-21, 9-7, 9-9, 9-11	N24412 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25	N27010 9-17	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
N21266 1-3, 1-5, 1-7, 1-9		N27011 2-5, 2-9, 2-20	N27330 4-3, 4-13
N21287 2-20		N27012 2-5, 2-9, 2-20	N27335 4-13
N21288 2-4, 2-8, 9-13, 9-15		N27013 2-5, 2-9	N27336 1-3
N21293 6-3, 6-5, 6-8, 6-11, 6-15		N27014 2-5	N27337 1-3, 1-9
N21294 6-3, 6-5, 6-8, 6-11, 6-13, 6-15		N27015 2-5, 2-9	N27338 1-5
		N27020 1-21	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	N27475 1-3, 1-9	N27725 1-11, 1-13, 1-14	N28577 6-8
N27380 1-3, 1-9	N27480 1-5	N27730 1-11	N28658 5-9, 5-11, 9-3, 9-5
N27385 1-5	N27485 1-5	N27735 1-11, 1-13, 1-14	N28659 5-9, 5-11, 9-3, 9-5
N27390 1-5	N27490 4-3, 4-5	N27736 5-4	N28667 1-3, 1-5, 1-7, 1-9
N27395 2-5, 2-9	N27495 4-13, 4-16	N27737 5-4	N28805 4-52
N27400 2-4, 2-8	N27586 10-2	N27738 5-4	N28806 4-52
N27401 2-4, 2-8	N27589 5-7, 5-9, 5-11, 9-3, 9-5	N27739 5-4	N28807 4-52
N27402 2-4, 2-8, 2-20		N27741 5-4	N28808 4-52
N27403 2-4, 2-8	N27590 1-3	N27743 5-4	N28809 4-52
N27404 2-4, 2-8	N27591 1-3, 1-5, 1-7	N27744 5-4	N28811 4-13, 4-16, 4-31, 4-34, 4-42, 4-46
N27405 2-4, 2-8	N27592 1-5, 1-7	N27750 6-3	N28812 4-53
N27406 2-4, 2-8	N27593 1-3	N27755 6-3, 6-5, 6-15	N28813 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-44, 4-46
N27410 2-4, 2-8	N27594 1-3	N27759 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N28814 4-14, 4-17, 4-20, 4-22, 4-29, 4-32, 4-35, 4-44, 4-46
N27411 2-4, 2-8, 9-13, 9-15	N27595 1-5, 1-7	N27760 6-8, 6-11, 6-13	N28817 4-53
N27412 2-5, 2-9	N27596 1-5, 1-7	N27761 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N28819 4-53, 4-54
N27413 2-5, 2-9	N27600 2-4, 2-8	N27765 6-8	N28820 4-53
N27414 2-5, 2-9	N27601 5-9, 5-11, 9-3, 9-5	N27790 1-11	N28822 4-53
N27415 2-5, 2-9	N27602 5-9, 5-11, 9-3, 9-5	N27795 1-11	N28823 4-53
N27416 2-5, 2-9	N27605 2-10, 2-11	N27843 4-53, 4-54	N28824 4-13, 4-16, 4-19, 4-22, 4-53
N27417 2-5, 2-9	N27608 9-17	N27847 2-20	N28825 4-19
N27418 2-5, 2-9	N27613 9-17	N27848 2-20	N28831 1-3, 1-5, 1-7, 1-9, 2-10
N27419 2-5, 2-9	N27614 9-17	N27849 2-12, 2-13	N28901 9-17
N27420 2-5, 2-9	N27625 9-17	N27851 1-3, 1-5, 1-7, 1-9	N28902 2-20, 9-17
N27421 2-5, 2-9	N27626 1-13, 2-4	N27852 1-3, 1-5, 1-7, 1-9	N28904 2-20
N27422 2-5, 2-9	N27627 2-4	N27853 1-3, 1-5, 1-7, 1-9	N28905 2-20
N27423 2-5, 2-9	N27628 2-4	N27856 1-3, 1-5, 1-7, 1-9	N28906 2-20
N27424 2-4, 2-5, 2-8, 2-9	N27629 2-4	N27861 1-3, 1-5, 1-7, 1-9	N28915 6-3, 6-5, 6-8, 6-15
N27425 2-4, 2-8, 2-9	N27630 2-4, 2-8	N27862 1-3, 1-5, 1-7, 1-9	N28920 6-8
N27426 2-4, 2-5, 2-8, 2-9	N27631 2-12, 2-13	N27863 1-3, 1-5, 1-7, 1-9	N28924 2-11
N27427 2-5, 2-9	N27632 2-13	N27864 1-11, 1-13, 1-14, 1-17, 1-19, 1-21, 1-23, 1-25	N28925 3-2
N27428 2-4, 2-5, 2-9	N27633 2-12, 2-13	N27871 5-4	N28926 3-2
N27429 2-5, 2-9	N27635 5-4	N27872 4-19, 4-22, 4-25, 4-28	N28927 2-11
N27430 2-5, 2-9	N27636 5-4	N27873 5-4	N28928 2-11
N27431 2-5, 2-9	N27639 6-3	N27874 5-4	N28929 2-11
N27432 2-5, 2-9	N27645 6-3, 6-5, 6-15	N28039 2-20	N28930 1-21
N27433 2-5, 2-9	N27650 6-8, 6-11	N28079 2-20	N28953 10-6
N27434 2-5, 2-9	N27659 6-3, 6-15	N28099 2-20	N28954 10-6
N27435 2-4, 2-5, 2-9	N27665 6-8	N28121 4-26, 4-29, 4-32, 4-35	N28960 10-6
N27436 2-5, 2-9	N27669 6-8	N28122 4-26, 4-29, 4-32, 4-35	N28962 10-6
N27437 2-5, 2-9	N27675 6-8, 6-11	N28190 7-3	N28966 10-6
N27438 2-5, 2-9	N27680 6-3, 6-5	N28199 9-17	N28971 10-6
N27439 2-5, 2-9	N27685 6-8	N28302 4-13, 4-16, 4-31, 4-34, 4-42, 4-46	N28994 10-6
N27440 2-4, 2-5, 2-9	N27689 6-8	N28327 6-8, 6-11	N28997 10-6
N27441 2-5, 2-9	N27695 6-8, 6-13	N28328 6-8, 6-11, 6-13	N29048 1-3, 1-5, 1-7, 1-9, 11-3
N27442 2-5, 2-9	N27700 6-3, 6-5, 6-15	N28332 5-17, 5-19, 5-22	N29049 1-3, 1-5, 1-7, 1-9
N27443 2-5, 2-9	N27705 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N28370 1-21, 10-6	N29057 4-54
N27444 2-5, 2-9	N27706 6-3, 6-5, 6-8, 6-11, 6-13, 6-15	N28375 1-23, 10-6	N29058 4-54
N27445 2-5, 2-9	N27707 4-19	N28390 10-6	N29061 4-14, 4-17, 4-20, 4-22, 4-26, 4-29, 4-32, 4-35, 4-38, 4-40
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	N27708 6-3, 6-8, 6-15	N28492 2-10	
N27455 1-3, 1-5, 1-7, 1-9	N27709 4-19, 4-22, 4-25, 4-28, 4-37, 4-40	N28575 6-8	
N27460 4-13, 4-19	N27715 1-3, 1-5, 1-7, 1-9		
N27465 1-11, 1-17, 1-19	N27719 4-13, 4-16, 4-31, 4-34, 4-42, 4-46		
N27466 5-5	N27721 4-13, 4-16, 4-31, 4-34, 4-42, 4-46		
N27470 1-3			

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

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	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	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, 9-3, 9-5, 9-11, 9-13, 9-15, 11-3
--	---	---	--

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		
---	--	--	--



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