

PM25 & PM35
GRINDER MIXER
ILLUSTRATED PARTS LIST

Art's-Way Manufacturing Co., Inc.

TO THE OWNER

Congratulations on the purchase of your new Art's-Way grinder mixer. You have selected a top quality machine that is designed and built with pride to ensure you many years of efficient, reliable service.

Many people have worked on the design, production, and delivery of this grinder mixer. The information in this Manual and in the Operators Manual is based on the knowledge, study and experience of these people through years of manufacturing specialized farming machinery. The Operators Manual is designed to provide you with important information regarding safety, maintenance and machine operation so you can get the best possible performance from your Art's-Way grinder mixer.

Even if you are an experienced operator of this or similar equipment, we ask you to ***read the Operators Manual before running this grinder mixer.*** The way you operate, adjust and maintain this unit will have much to do with its successful performance. Any further questions you may have about this piece of Art's-Way equipment should be directed to your local Art's-Way dealer or to Art's-Way Manufacturing Co., Inc., Armstrong, Iowa 50514. (712) 864-3131.

Specifications And Design Are Subject To Change Without Notice

Art's-Way Manufacturing Co., Inc. is continually making product improvements. In doing so, we reserve the right to make changes or add improvements to our products without obligation for equipment previously sold.

Because modifications to this grinder mixer may effect the performance, function and safety of its operation, no modifications are to be made without the written permission of Art's-Way Manufacturing Co., Inc. Any modifications made without the written permission of Art's-Way Manufacturing Co., Inc shall void the warranty of this product.

In the interest of continued safe operation of this grinder mixer, pay particular attention to the safety alert symbol throughout the Operators Manual.

Art's-Way Manufacturing Co., Inc. Statement Of Product Liability

Art's-Way Manufacturing Co., Inc. recognizes its responsibility to provide its customers with a safe and efficient product. Art's-Way attempts to design and manufacture its products in accordance with accepted engineering practices in effect at date of design. This statement should not be interpreted to mean that our products will protect against the user's own carelessness or failure to follow common safety practices, as set forth in the Operators Manual, nor will Art's-Way be liable for any such act. In addition, Art's-Way assumes no liability for product altered or modified in any way by users or anyone other than an authorized dealer.

Important Warranty Information

The warranty for this grinder mixer appears on page iv of this manual. In order to establish a proper warranty, the Warranty Registration and Dealer Pre-Delivery Checklist must be completed and returned to the factory. Failure to comply with this requirement will result in reduced warranty allowances.

Limitations Of This Manual

The Operators Manual contains operating instructions for your grinder mixer only. It does not replace the manual(s) for any machine that it may be attached to or used with.

PARTS AND SERVICE

As the new purchaser of your grinder mixer, it is very important to consider the following factors:

- A. Original Quality**
- B. Availability of Service Parts**
- C. Availability of Adequate Service Facilities**

Art's-Way Manufacturing Co., Inc. has an excellent dealership network ready to answer any questions you may have about your grinder mixer. Parts for your machine may be ordered through our dealers. When placing a parts order, please have the *model* and *serial number* ready. This will allow the dealer to fill your order as quickly as possible.

For your convenience, we have provided this space for you to record your model number, serial number and the date of purchase, as well as your dealer's name and address.

Owner's Name: _____

Owner's Address: _____

Purchase Date: _____

Dealership Name: _____

Dealership Address: _____

Dealership Phone No.: _____



SERIAL NO.	
MODEL NO.	
Manufactured By Art's-Way Manufacturing Co., Inc. Armstrong, IA	

Machine Serial Number Location

(The serial number is located behind ladder left hand side.)

Enter the serial number and model number of your grinder mixer in the space provided above.

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LIMITED WARRANTY

Art's-Way Manufacturing Co., Inc. warrants the products it sells to be free from defects in material and workmanship for a period of one (1) year after the date of delivery to the first purchaser, subject to the following conditions:

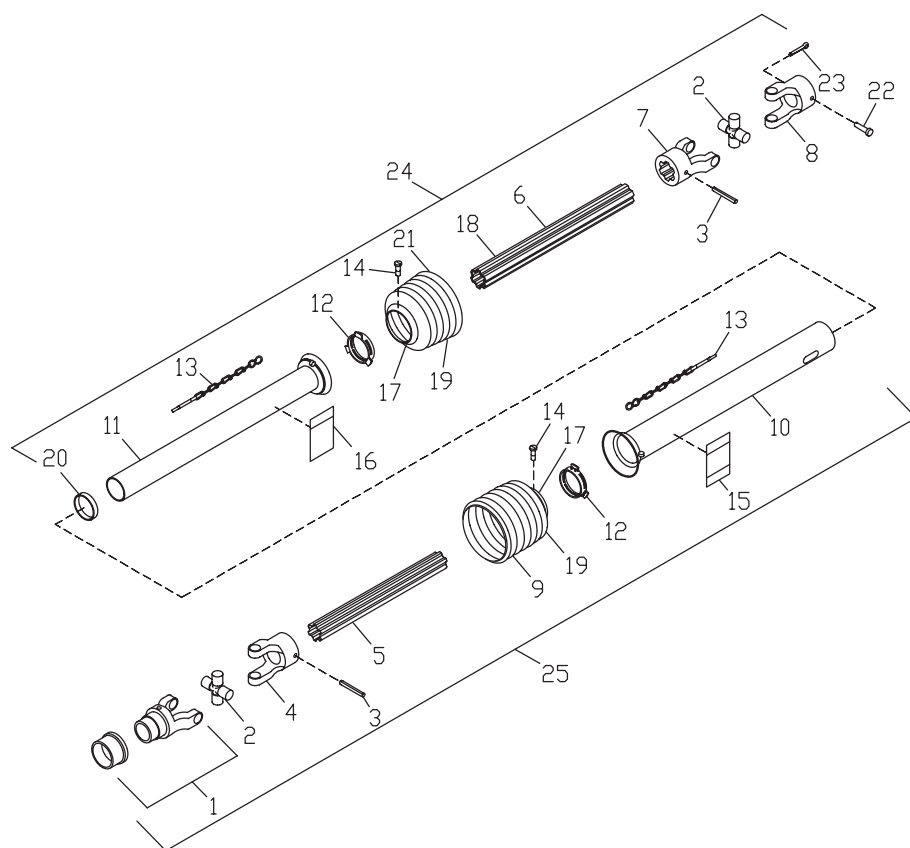
- **Art's-Way Manufacturing Co., Inc.** obligation and liability under this warranty is to repair or replace (at the company's option) any parts which upon manufacture were defective in material or workmanship.
- All parts and repairs under this warranty shall be supplied at an authorized **Art's-Way Manufacturing Co., Inc.** dealer or at the factory, at the option of **Art's-Way Manufacturing Co., Inc.**
- **Art's-Way Manufacturing Co., Inc.** warranty does not extend to parts and elements not manufactured by **Art's-Way Manufacturing Co., Inc.** and which carry the warranty of the other manufacturer.
- Transportation or shipping to an authorized dealer for necessary repairs is at the expense of the purchaser.
- **Art's-Way Manufacturing Co., Inc.** makes no other warranty expressed or implied and makes no warranty of merchantability or fitness for any particular purpose beyond that expressly stated in this warranty. **Art's-Way Manufacturing Co., Inc.** liability is limited to the terms set forth in this warranty and does not include any liability for direct, indirect, incidental or consequential damages or expenses of delay and the Company's liability is limited to repair or replacement of defective parts as set forth herein.
- Any improper use, and maintenance, including operation after discovery of defective or worn parts, operation beyond the rated capacity, substitution of parts not approved by **Art's-Way Manufacturing Co., Inc.** or any alteration or repair by other than authorized **Art's-Way Manufacturing Co., Inc.** dealer which affects the product materially and adversely, shall void this warranty.
- No dealer, employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by an officer of **Art's-Way Manufacturing Co., Inc.** at its home office.
- Some states do not allow limitations on how long an implied warranty lasts or exclusions of, or limitations on relief such as incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you the specific legal rights and you may have other rights which vary from state to state.

NOTES

NOTES

IMPLEMENT DRIVELINE ASSEMBLY 540 RPM

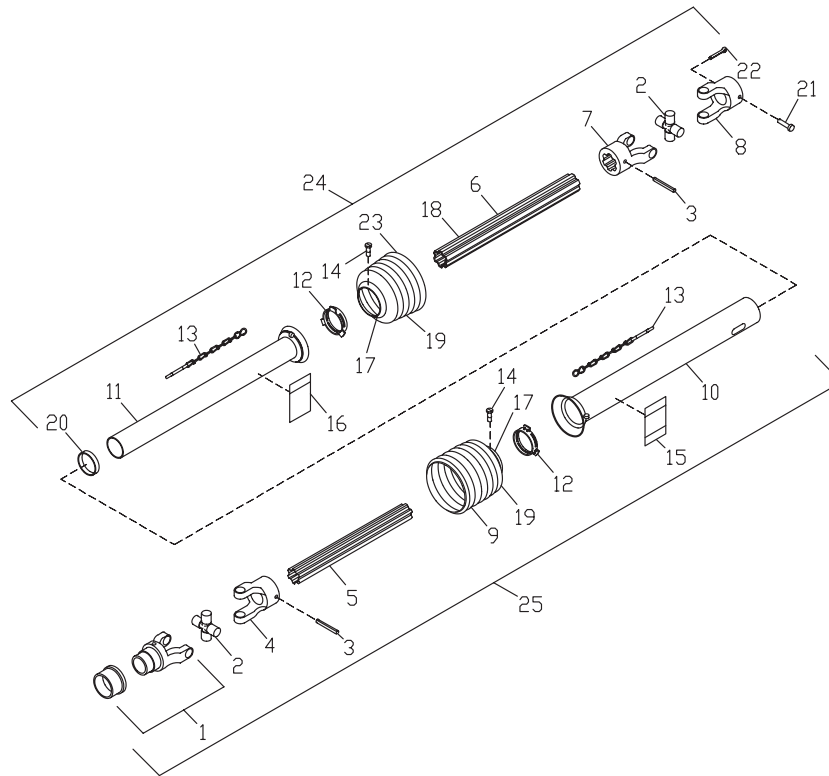
1-3/8" 6 SPLINE, FOR USE WITH PM25 & PM35 - 354640



Item	Part Number	Qty.	Description
1	340130	1	Yoke, 1-3/8" 6 Spline
2	182230	2	Kit, Cross and Bearing
3	196740	2	Pin, Spring 10mm x 90mm
4	196730	1	Yoke, Inboard
5	355660	1	Profile, Inner
6	355670	1	Profile, Outer
7	196770	1	Yoke, Inboard
8	349230	1	Yoke, 1-5/8" RB, 3/8" Keyway
9	340140	1	Shield, Cone 7 Rib
10	355680	1	Shield, Outer Tube Oval
11	355690	1	Shield, Inner Tube Round
12	182900	2	Ring, Bearing
13	182890	2	Chain, Safety
14	345980	2	Screw Shield (in item 9)
15	286680	1	Decal, Danger Rotating Drive Line
16	340180	1	Decal, Danger Shield Missing
17	349250	2	Reinforced Collar
18	196890	1	Zerk, 3/16" Drive Grease (in item 6)
19	340120	-	Kit, Slide Collar
20	340190	1	Support Bearing
21	387770	1	Shield, Cone 5 Rib
22	036480	1	Pin, Clevis 5/16" x 3"
23	020770	1	Pin, Cotter 5/32" x 1"
24	354650	-	Implement Driveline - Implement Half
25	354660	-	Implement Driveline - Tractor Half

IMPLEMENT DRIVELINE ASSEMBLY 1000 RPM

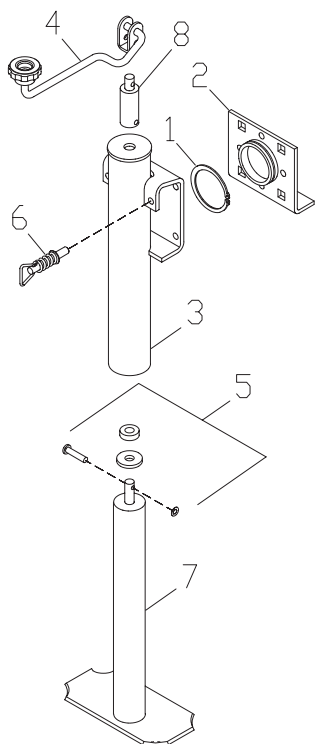
1-3/8" 21 SPLINE & 1-3/4" 20 SPLINE, FOR USE WITH PM35 - 354670



Item	Part Number	Qty.	Description
1	340100	1	Yoke, 1-3/4" 20 Spline
1	354180	1	Yoke, 1-3/8" 21 Spline
2	182230	2	Kit, Cross and Bearing
3	196740	2	Pin, Spring 10mm x 90mm
4	196730	1	Yoke, Inboard
5	355660	1	Shaft, Inner Profile
6	355670	1	Tube, Outer Profile
7	196770	1	Yoke, Inboard
8	349230	1	Yoke, 1-5/8" RB, 3/8" Keyway
9	340140	1	Shield, Cone 7 Rib
10	355680	1	Tube, Outer Shield
11	355690	1	Tube, Inner Shield
12	182900	2	Ring, Bearing
13	182890	2	Chain, Safety
14	345980	2	Screw, Shield (in item 9)
15	286680	1	Decal, Danger Rotating Drive Line
16	340180	1	Decal, Danger Shield Missing
17	349250	2	Reinforced Collar
18	196890	1	Zerk, 3/16" Drive Grease (in item 6)
19	340210	-	Kit, Collar 1-3/8"-6
20	340190	1	Support Bearing
21	036480	1	Pin, Clevis 5/16" x 3"
22	020700	1	Pin, Cotter 5/32" x 1"
23	387770	1	Shield, Cone 5 Rib
24	354650	-	Implement Driveline - Implement Half
25	354680	-	Implement Driveline - Tractor Half 1-3/8" 21 Spline
25	449200	-	Implement Driveline - Tractor Half 1-3/4" 20 Spline

JACK ASSEMBLY, COMPLETE - 040440

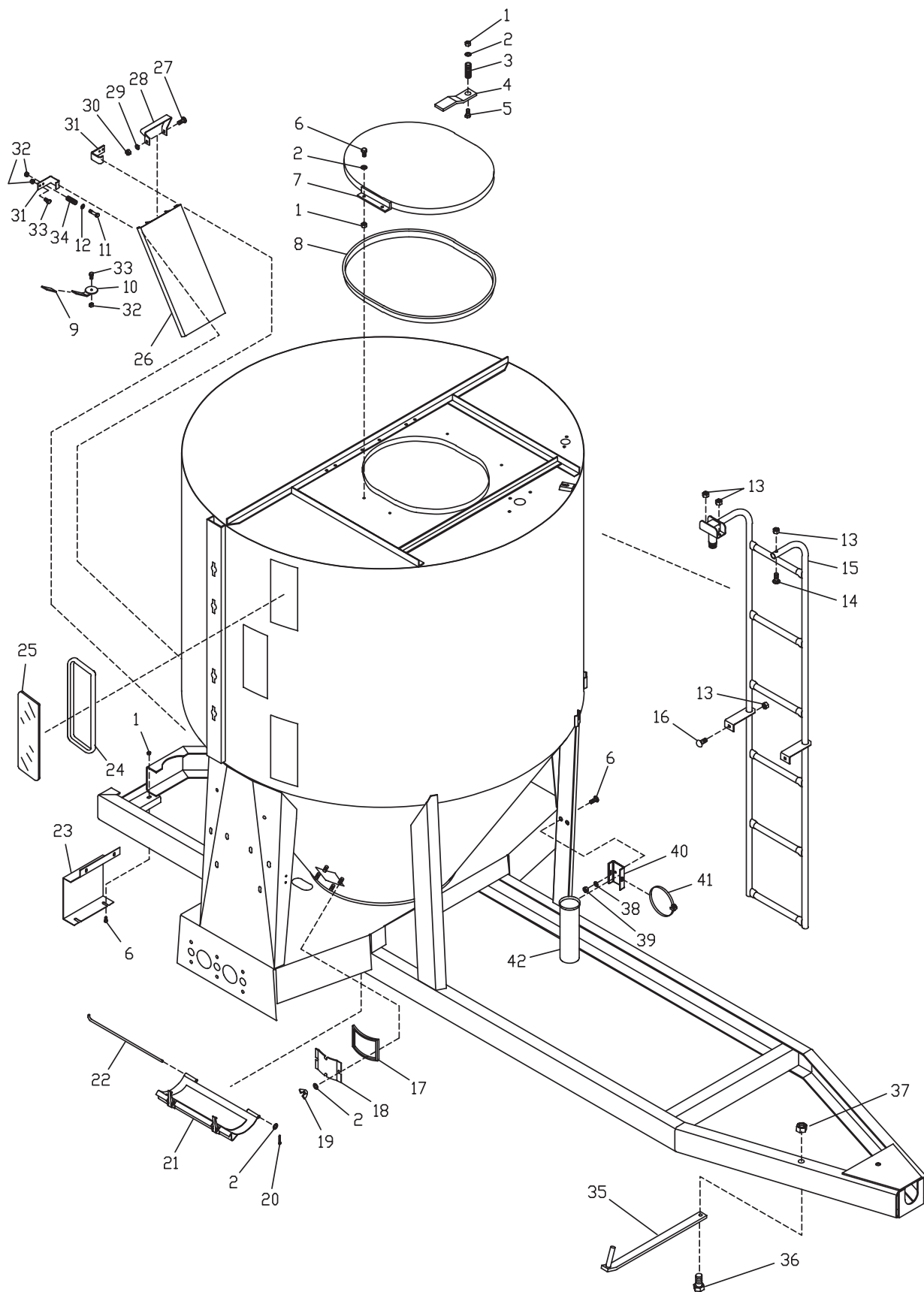
ATTACHES TO TANK ASSEMBLY PAGE 4



Item	Part Number	PM25 Qty.	PM35 Qty.	Description
1	040290	1	1	Ring, Retaining
2	040300	1	1	Bracket, Swivel
3	040370	1	1	Tube and Bracket Assembly
4	151630	1	1	Kit, Crank Handle Assembly
5	151640	1	1	Kit, Thrust Washer Assembly
6	151650	1	1	Plunger, Pin Assembly
7	151670	1	1	Tube Assembly, 14" Inner
8	389180	-	1	Shaft, Extension

TANK ASSEMBLY - 365780

SHOWS ASSEMBLY FOR PM25 & PM35



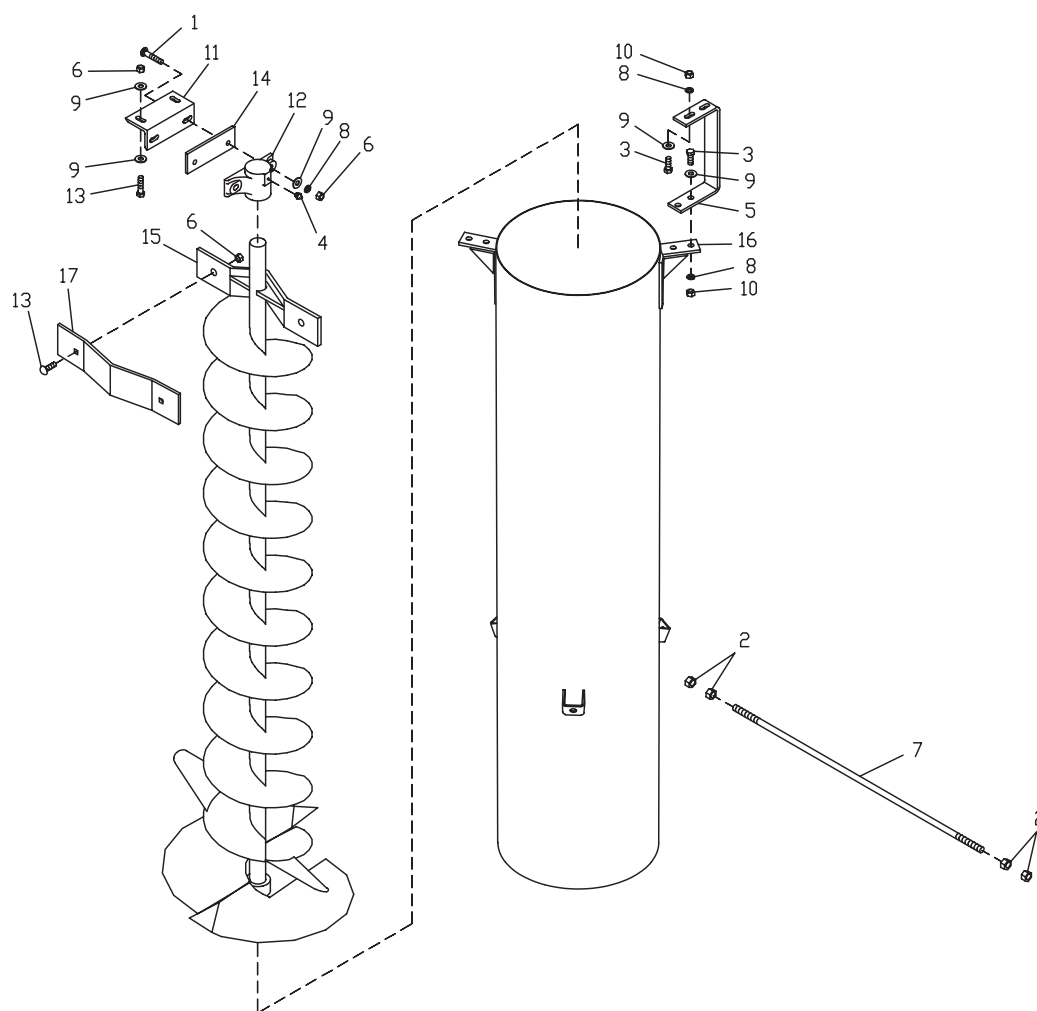
TANK ASSEMBLY - 365780

SHOWS ASSEMBLY FOR PM25 & PM35

Item	Part Number	Qty.	Description
1	025670	6	Nut, Lock 5/16"-18 Hex Disthread
2	022920	13	Washer, Flat 5/16" Flat
3	013080	2	Spring, Compression
4	022930	2	Bracket, Lid Locking
5	009800	2	Bolt, HHCS 5/16"-18 x 2-1/2"
6	012140	6	Bolt, HHCS 5/16"-18 x 3/4"
7	035661	1	Weldment, Lid and Hinge with Decal
8	164020	1	Seal, Tank Lid
9	050150	1	Grip, Red Handle
10	204690	1	Weldment, Eccentric
11	E672368	2	Bolt, HHCS 1/4" x 2-1/4"
12	023260	2	Washer, Flat 1/4"
13	020180	5	Nut, Lock 3/8"-16 Hex Flange
14	J03H1558	1	Bolt, Carriage 3/8"-16 x 1-1/2"
15	365670	1	Weldment, Ladder Assembly
16	170530	1	Bolt, Carriage 3/8"-16 x 1"
17	185910	2	Strip, Seal Tank CO
18	036090	2	Door, Clean Out
19	009790	8	Nut, Wing 5/16"-18 Type A
20	021210	1	Pin, Cotter 3/32" x 1"
21	363990	1	Weldment, Trough Cover
22	156970	1	Pin, Hinge 5/16" x 18-1/2"
23	365190	1	Bracket, Short PM25
23	315180	1	Bracket, Long PM35
24	012020	3	Rubber, Window Frame
25	012050	3	Window, Glass 4-1/2" x 12"
26	204670	1	Door, Unloading Slide
27	012410	2	Bolt, Carriage 5/16"-18 x 3/4"
28	204680	1	Handle, Door
29	023620	2	Washer, Lock 5/16"
30	023630	2	Nut, Hex 5/16"-18
31	216020	2	Holder, Sliding Door
32	042370	5	Nut, Lock 1/4"-20 Hex Grade 2
33	012051	3	Bolt, HHCS 1/4"-20 x 3/4"
34	011130	2	Assembly, Slide Holder Spring
35	379470	1	Holder, PTO
36	014770	1	Bolt, HHCS 1/2"-13 x 1-1/2"
37	037540	1	Nut, Lock 1/2"-13
38	023620	2	Washer, 5/16" Lock
39	023630	2	Nut, Hex 5/16"-18
40	458080	1	Bracket, Tube Mount
41	455160	1	Clamp, Hose
42	449190	1	Tube, Manual Holder

MIXING AUGER ASSEMBLY

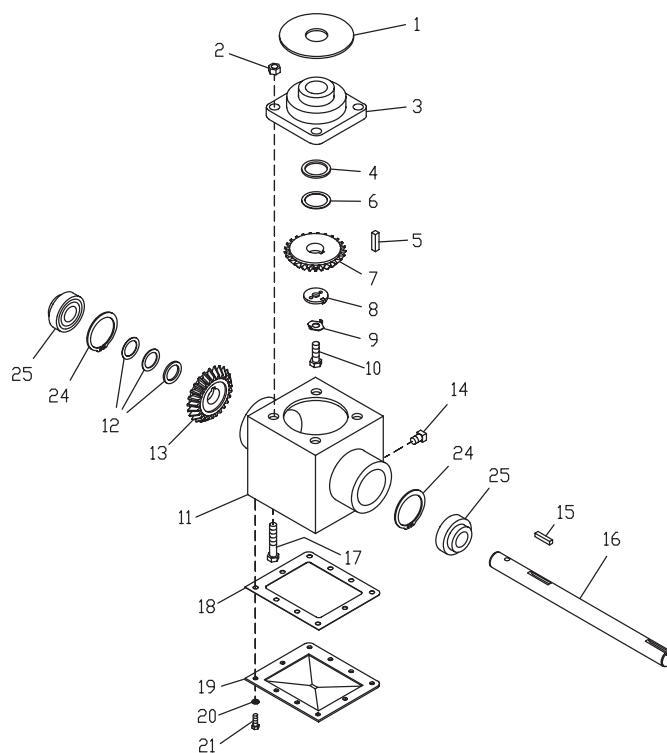
SHOWS ASSEMBLY FOR PM25 - 365790 & PM35 - 365750



Item	Part Number	PM25	PM35	Description
		Qty.	Qty.	
1	J03H1558	2	2	Bolt, Carriage 3/8"-16 x 1-1/2"
2	005360	12	12	Nut, Hex 1/2"-13
3	011370	4	4	Bolt, HHCS 3/8"-16 x 2-1/2"
4	013170	1	1	Zerk, 1/8" NPT Short Grease
5	018680	2	2	Support, Main Auger Tube
6	020180	2	2	Nut, Lock 3/8"-16 Hex Flange
7	021020	3	3	Rod, Mix Auger Tube
8	021180	8	8	Washer, Lock 3/8" Spring Type
9	021190	10	10	Washer, Flat 7/16" x 1" x 5/64"
10	027260	8	8	Nut, Hex 3/8"-16
11	033230	1	1	Hanger, Bearing
12	035120	1	1	Bearing, A-78 Cast
13	035180	2	5	Bolt, Carriage 3/8"-16 x 1-1/4"
14	151130	1	1	Shim
15	363970	1	-	Weldment, Mixing Auger 105 Bushel
15	156920	-	1	Weldment, Mixing Auger 150 Bushel
16	363880	1	-	Tube, Mixing Auger 105 Bushel
16	363890	-	1	Tube, Mixing Auger 150 Bushel
17	126660	-	1	Paddle, Mixing Auger

GEARBOX ASSEMBLY, MIXER - 365860

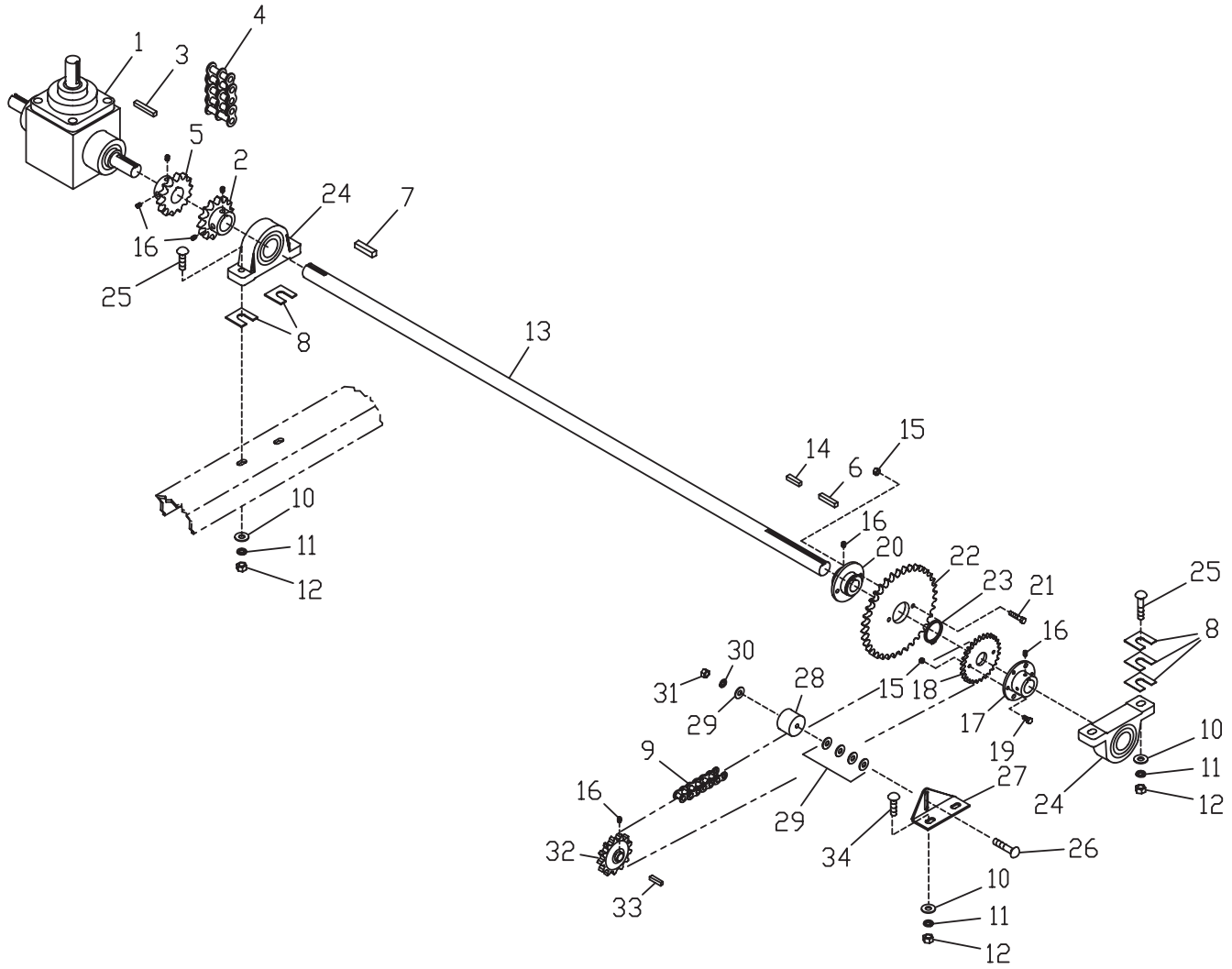
SHOWS ASSEMBLY FOR PM25 & PM35



Item	Part Number	Qty.	Description
1	010570	1	Plate, Bearing Protector
2	037540	4	Nut, Lock 1/2"-13
3	020270	1	Bearing, Flange 1-5/8"
4	020290	1	Washer, Flat 1-1/8" x 2-1/8" x 9/64"
5	020220	1	Key, Square 5/16" x 1-1/4"
6	020300	1	Washer, Flat 1-5/8" x 2-1/8" x 3/64"
7	020280	1	Gear, Bevel 1-5/8"
8	020310	1	Washer, Special Lock
9	010720	1	Washer, Locking 17/32" x 1-1/4" x 16 Gauge 2N+
10	010730	1	Bolt, HHCS 1/2"-13 x 1-1/4"
11	131190	1	Gearbox, with Bearings
12	020880	1	Washer, Flat 1-1/4" x 1-3/4" x 9/64"
12	020910	1	Washer, Flat 1-1/4" x 1-3/4" x 1/16"
12	020930	2	Washer, Flat 1-1/4" x 1-3/4" x 9/64" x 1/32"
13	020320	1	Gear, Bevel 1-1/4"
14	020340	1	Plug, Pipe 3/4"
15	021630	1	Key, Square 5/16" x 1-1/2"
16	163810	1	Shaft, Gearbox 1-1/4" x 18"
17	013790	4	Bolt, HHCS 1/2"-13 x 2-1/4"
18	010740	1	Gasket, Gearbox
19	010750	1	Cover, Gearbox
20	023620	10	Washer, Lock 5/16"
21	012140	10	Bolt, HHCS 5/16"-18 x 3/4"
22	961960	.2 oz.	Permatex, Ultra Blue 13 oz.
23	-	.33 gal	Oil, 90w Gear SAE
24	020350	3	Ring, Retaining Int N5008-283
25	112550	2	Assembly, Bearing 1-1/4" Adapter COD

DRIVE & GEARBOX ASSEMBLY, LOWER - 470990

SHOWS ASSEMBLY FOR PM25 & PM35



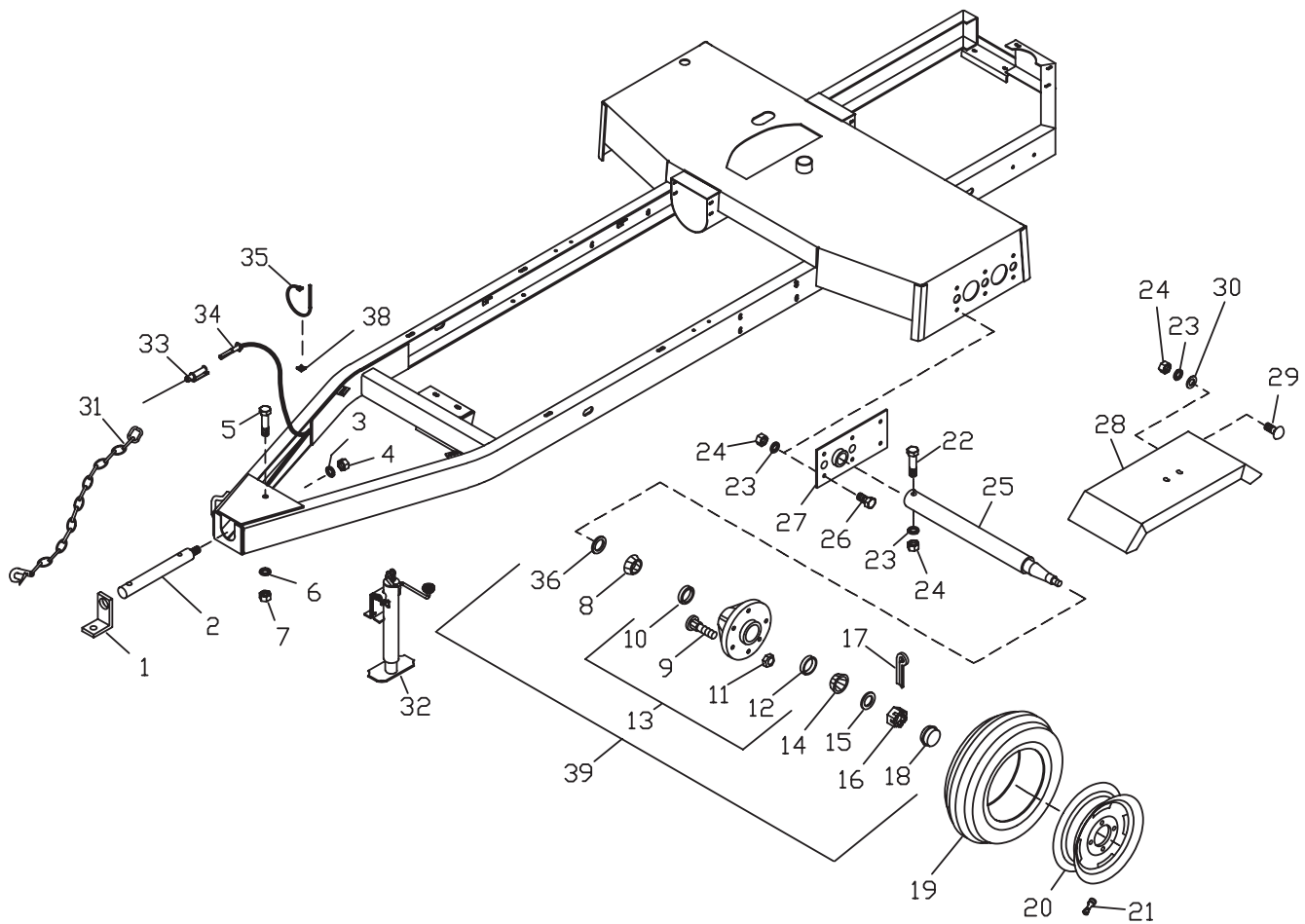
DRIVE & GEARBOX ASSEMBLY, LOWER - 470990

SHOWS ASSEMBLY FOR PM25 & PM35

Item	Part Number	Qty.	Description
1	365860	1	Assembly, Mixer Gearbox
2	461150	1	Sprocket, 60B14 Coupler
3	020400	1	Key, Square 5/16" x 2"
4	163770	1	Assembly, Chain 60-2 14 Pitches Includes Connector
5	163790	1	Sprocket, 60B14 1-1/4" ID
6	021530	1	Key, Square 3/8" x 2"
7	030380	1	Key, Square 3/8" x 3"
8	I486454R1	8	Shim, Blade .030"
9	214150	1	Chain, Roller 2040 x 33 Pitches
10	005200	6	Washer, Flat 9/16" x 1-3/8" x 7/64"
11	005370	6	Washer, Lock 1/2"
12	005360	6	Nut, Hex 1/2"-13
13	461870	1	Shaft, Mixer Drive
14	039950	1	Key, Square 3/8" x 3/4"
15	042370	2	Nut, Lock 1/4"-20 Hex Grade 2
16	010990	8	Screw, Set AHSS 5/16"-18 x 5/16" BLO
17	461890	1	Weldment, Shear Hub 1-5/8" Bore
18	461880	1	Plate, Sprocket 40A28 1-5/8" ID
19	042960	2	Bolt, HHCS 1/4"-20 x 1"
20	469750	1	Weldment, Shear Hub 1-5/8" ID
21	047000	2	Bolt, HHCS 1/4"-20 x 1-1/2"
22	469730	1	Sprocket, Plate 80A30
23	040290	1	Ring, Extension Retaining
24	013960	1	Bearing, Pillow Block 1-5/8" with Lock Collar
25	991200	4	Bolt, Carriage 1/2"-13 x 2"
26	035540	1	Bolt, Carriage 3/8"-16 x 2-3/4"
27	463690	1	Bracket, Mill to Mixer Idler
28	041440	1	Tightener, Chain (Wood Block Idler 500)
29	021190	1	Washer, Flat 7/16" x 1" x 5/64"
30	021180	1	Washer, Lock 3/8" Spring Type
31	027260	5	Nut, Hex 3/8"-16
32	021860	1	Sprocket, 40B24 1-1/8" Bore
33	020760	1	Key, Square 5/16" x 2"
34	V061805	2	Bolt, Carriage 1/2"-13 x 1-1/4"

SPINDLE, HITCH & HUB ASSEMBLY

FOR USE ON PM25 SCALE - 366400 & PM25 STANDARD - 366380



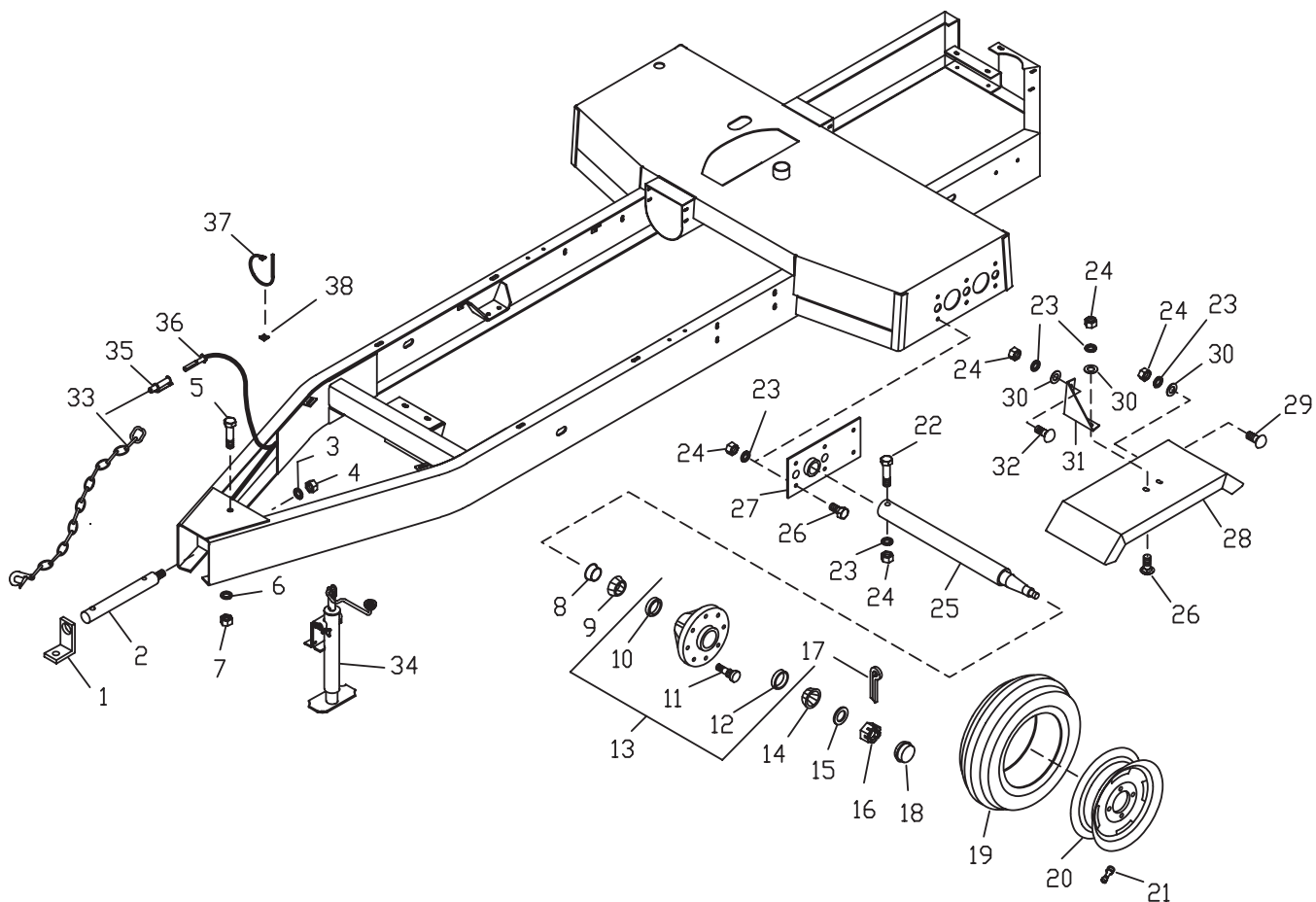
SPINDLE, HITCH & HUB ASSEMBLY

FOR USE ON PM25 SCALE - 366400 & PM25 STANDARD - 366380

Item	Part Number	366400	366380	Description
		Qty.	Qty.	
1	036740	1	1	Clevis, Hitch 1-7/8"
2	124780	-	1	Bar, Hitch (without scale)
2	219870	1	-	Hitch, Weigh Bar 5-Pin - 105 Bushel and 150 Bushel
3	003350	1	1	Washer, Lock 1" Split
4	147310	1	1	Nut, Hex 1"-8 Grade 2
5	990960	1	1	Bolt, HHCS 3/4"-10 x 4-1/2"
6	036800	1	1	Washer, Lock 3/4" Spring Type
7	036750	1	1	Nut, Hex 3/4"-10 Grade 2
8	016520	2	2	Cone, Bearing 1-3/8"
8	044370	2	2	Cone, Bearing 1-3/8" Inner
9	020470	12	12	Bolt, Stud 1/2"-20 x 1-1/2"
10	018850	1	1	Cup, Bearing
11	020730	12	12	Nut, Lug 1/2"-20
12	018860	2	2	Cup, Bearing
13	396100	2	2	Assembly, Hub 6 Bolt
14	012630	2	2	Cone, Bearing 1-1/4"
15	020720	2	2	Washer, Flat 13/16" x 1-3/4" x 11/64"
16	020710	2	2	Nut, Hex 3/4"-16 Slotted
17	026630	2	2	Pin, Cotter 5/32" x 1-1/2"
18	035420	2	2	Cap, Hub 2-1/2"
19	148640	2	2	Tire, Tubeless 10.00 x 15 8 Ply
20	018717	2	2	Wheel, 15 x 8 6-Bolt Red
21	164420	2	2	Valve, Stem with Core and Cap
22	030420	2	2	Bolt, HHCS 1/2"-13 x 4-1/4"
23	005370	14	14	Washer, Lock 1/2"
24	005360	14	14	Nut, Hex 1/2"-13
25	040581	2	-	Spindle, Weigh Bar 5-Pin - 105 Bushel Only
25	042270	-	2	Spindle, 2-1/8" x 31-5/16"
26	010730	12	12	Bolt, HHCS 1/2"-13 x 1-1/4"
27	363910	2	2	Bracket, Mounting 105 Bushel
28	366250	2	2	Weldment, Fender 105 Bushel
29	005390	4	4	Bolt, Carriage 1/2"-13 x 1"
30	005200	4	4	Washer, Flat 9/16" x 1-3/8" x 7/64"
31	1765302	1	1	Chain, Safety 5/16" x 60"
32	040440	1	1	Assembly, Completed Jack (See page 3)
33	036780	1	-	Connector, Power Cord (Female)
34	147060	1	-	Cord, 23' Digital Power
35	149670	14	-	Tie, Nylon Cable 3/16" x 11"
36	396050	2	2	Seal
37	036890	3	-	Clip, Spring
38	379579	4	-	Mount, 4-Way Cable
39	167450	-	-	Kit, Hub, 6 Bolt with Bearing Seal

SPINDLE, HITCH & HUB ASSEMBLY

FOR USE ON PM35 SCALE - 366410 & PM35 STANDARD - 366390



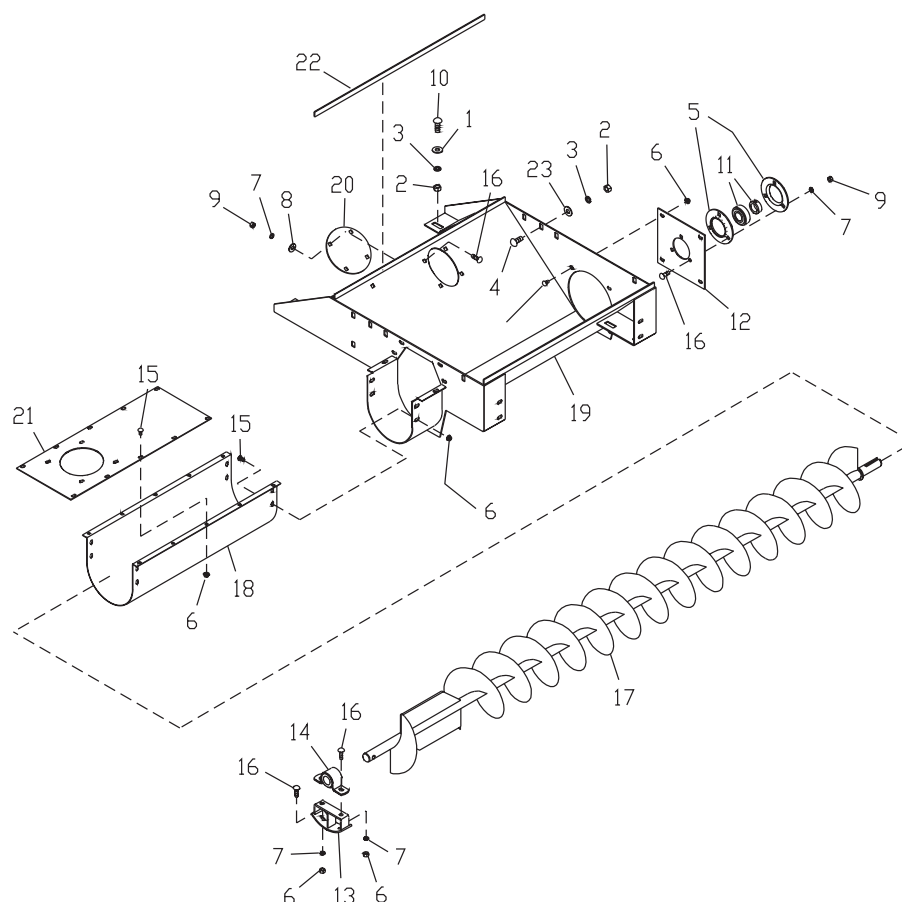
SPINDLE, HITCH & HUB ASSEMBLY

FOR USE ON PM35 SCALE - 366410 & PM35 STANDARD - 366390

Item	Part Number	366410	366390	Description
		Qty.	Qty.	
1	036740	1	1	Clevis, Hitch 1-7/8"
2	124780	-	1	Bar, Hitch (without Scale)
2	219870	1	-	Hitch, Weigh Bar 5-Pin (105 Bushel and 150 Bushel, with Scale)
3	003350	1	1	Washer, Lock 1" Split
4	147310	1	1	Nut, Hex 1"-8 Grade 2
5	990960	1	1	Bolt, HHCS 3/4"-10 x 4-1/2"
6	036800	1	1	Washer, Lock 3/4" Spring Type
7	036750	1	1	Nut, Hex 3/4"-10 Grade 2
8	121130	2	2	Seal, 2-1/8" x 3-1/16" x 1/2"
9	042310	2	2	Cone, Bearing 1-7/8" ID
10	042320	1	1	Cup, Bearing
11	042440	16	16	Bolt, HHCS 9/16"-18 x 1-1/8"
12	018860	2	2	Cup, Bearing
13	042330	2	2	Assembly, Hub
14	012630	2	2	Cone, Bearing 1-1/4"
15	020720	2	2	Washer, Flat 13/16" x 1-3/4" x 11/64"
16	020710	2	2	Nut, Hex 3/4"-16 Slotted
17	026630	2	2	Pin, Cotter 5/32" x 1-1/2"
18	035420	2	2	Cap, Hub 2-1/2"
19	050230	2	2	Tire, Tubeless 13.5 x 16.1
20	042264	2	2	Wheel, W11C x 16.1 8-Bolt Red
21	164420	2	2	Valve, Stem with Core and Cap
22	030420	2	2	Bolt, HHCS 1/2"-13 x 4-1/2"
23	005370	26	26	Washer, Lock 1/2"
24	005360	26	26	Nut, Hex 1/2"-13
25	042270	-	2	Spindle, 2-1/8" x 31-5/16" (without Scale)
25	040611	2	-	Spindle, Weigh Bar 5-Pin - 150 Bushel Only (with Scale)
26	010730	16	16	Bolt, HHCS 1/2"-13 x 1-1/4"
27	363940	2	2	Bracket, Mounting 150 Bushel
28	159140	2	2	Weldment, Fender 150 Bushel
29	005390	4	4	Bolt, Carriage 1/2"-13 x 1"
30	005200	12	12	Washer, Flat 9/16" x 1-3/8" x 7/64"
31	159160	4	4	Support, Fender
32	030470	4	4	Bolt, Carriage 1/2"-13 x 1-1/4"
33	1765302	1	1	Chain, Safety 5'
34	040440	1	1	Assembly, Completed Jack (See page 3)
35	036780	1	-	Connector, Power Cord
36	147060	1	-	Cord, 23' Digital Power
37	149670	14	-	Tie, Nylon Cable
38	379570	4	-	Mount, 4-Way Cable

MILL TO MIXER AUGER ASSEMBLY - 365760

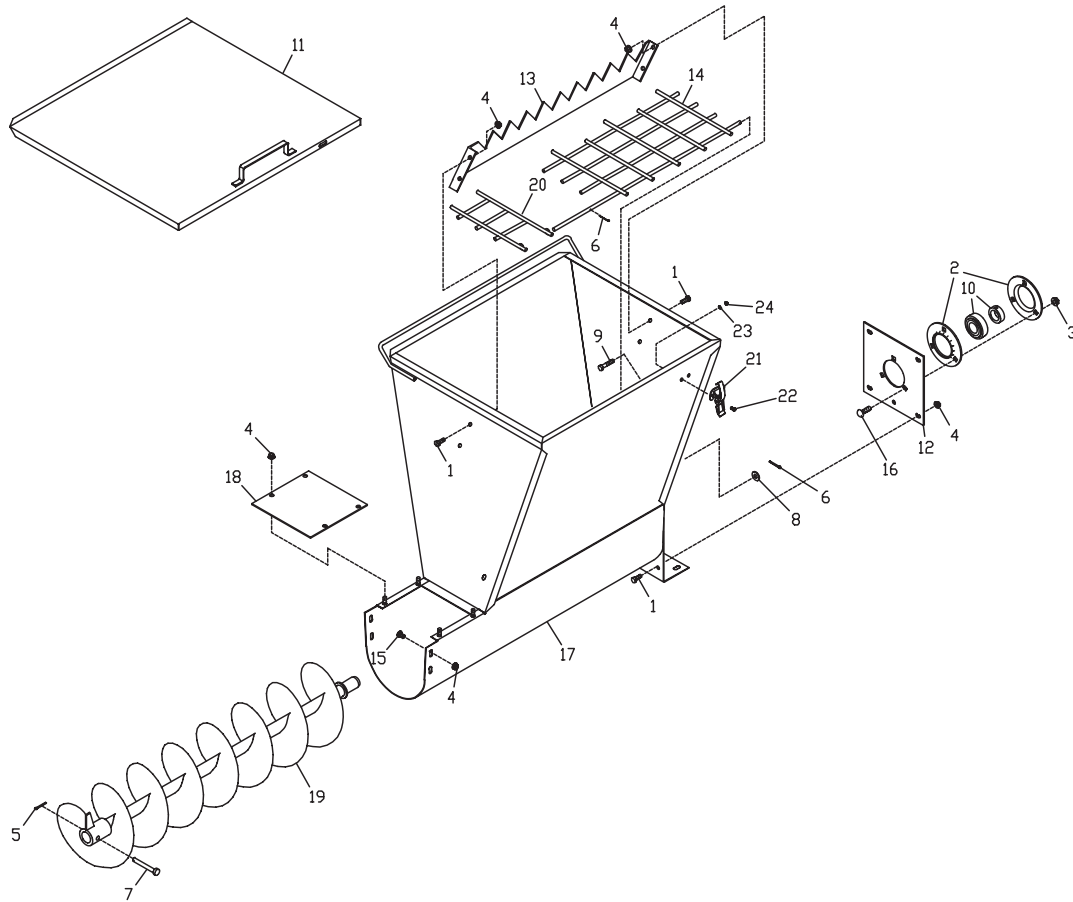
SHOWS ASSEMBLY FOR PM25 & PM35



Item	Part Number	Qty.	Description
1	005200	14	Washer, Flat 9/16" x 1-3/8" x 7/64"
2	005360	14	Nut, Hex 1/2"-13
3	005370	14	Washer, Lock 1/2"
4	005390	10	Bolt, Carriage 1/2"-13 x 1"
5	019150	2	Bearing, Flangette 1-1/8" 3 Bolt Round
6	020190	16	Nut, Lock 5/16"-18 Hex Flange
7	021180	11	Washer, Lock 3/8" Spring Type
8	021190	4	Washer, Flat 7/16" x 1" x 5/64"
9	027260	11	Nut, Hex 3/8"-16
10	030470	4	Bolt, Carriage 1/2"-13 x 1-1/4"
11	108850	1	Bearing SOD 1-1/8" Spring Lock
12	128040	1	Plate, Hole Cover
13	165020	1	Weldment, Bearing Holder Bracket
14	165030	1	Bearing, Pillow Block 1-1/8" Split Wood
15	169340	16	Bolt, Carriage 5/16"-18 x 1/2"
16	170530	11	Bolt, Carriage 3/8"-16 x 1"
17	363750	1	Weldment, Auger Mill to Mixer
18	364250	1	Trough, Lower Pan to Tank
19	365330	1	Weldment, Pan Lower
20	365390	1	Cover, Lower Pan
21	365880	1	Cap, Trough
22	157670	1	Strip, Seal
23	I120396	8	Washer, Flat 1/2"
24	961990	1.5 oz.	Caulk, Tube

SUPPLEMENT HOPPER - 470970

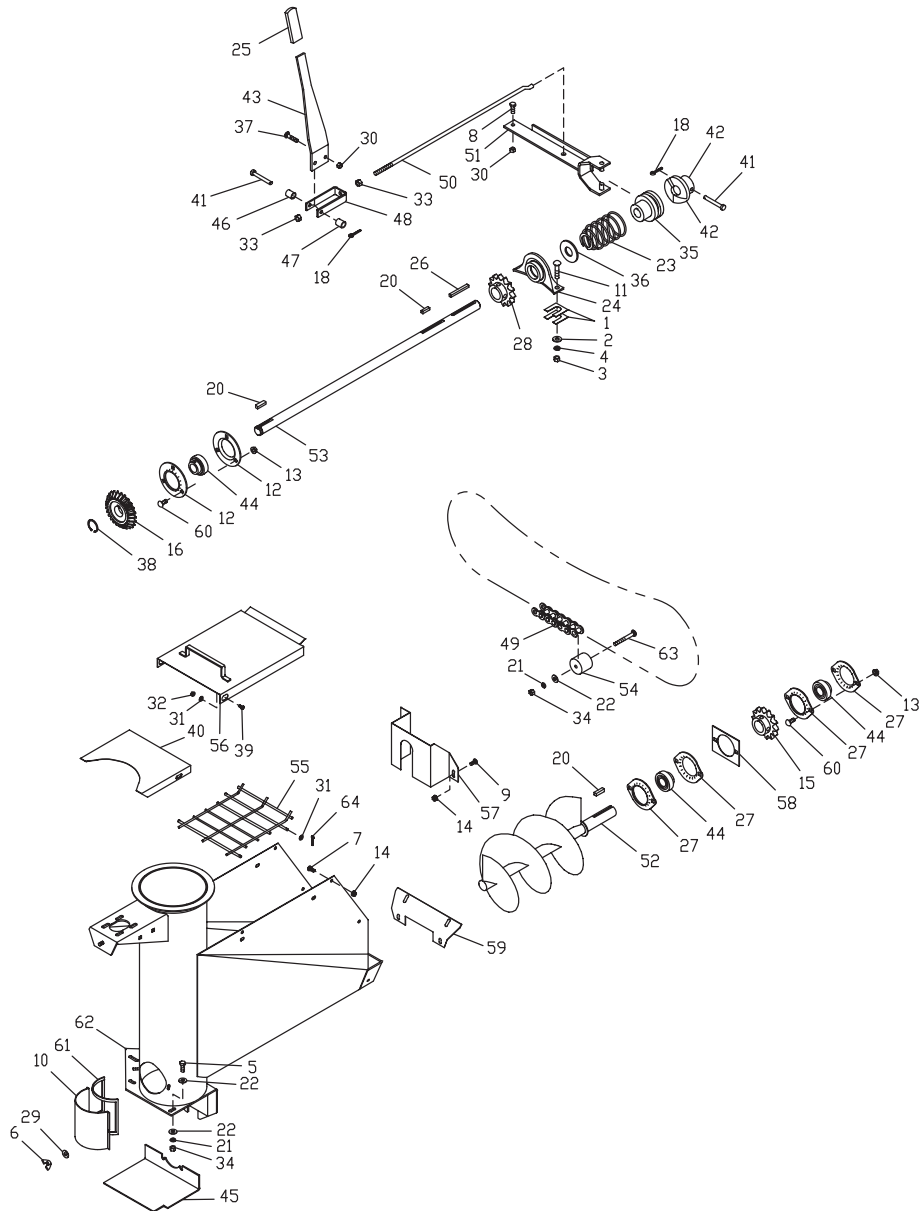
SHOWS ASSEMBLY FOR PM25 & PM35



Item	Part Number	Qty.	Description
1	006880	6	Bolt, HHCS 5/16"-18 x 5/8"
2	019150	2	Bearing, Flangette 1-1/8" 3 Bolt Round
3	020180	3	Nut, Lock 3/8"-16 Hex Flange
4	020190	16	Nut, Lock 5/16"-18 Hex Flange
5	020700	1	Pin, Cotter 5/32" x 1" Chisel Point
6	021210	2	Pin, Cotter 3/32" x 1"
7	021430	1	Pin, Clevis 3/8" x 2-1/4"
8	022920	1	Washer, Flat 3/8" x 7/8" x 5/64"
9	025760	2	Bolt, HHCS 5/16"-18 x 1-1/2"
10	108850	1	Bearing, SOD 1-1/8" Spring Lock
11	126540	1	Lid Weldment, Supplement Hopper
12	128040	1	Plate, Hole Cover
13	470950	1	Cutter, Sack
14	471690	1	Weldment, Grate
15	169340	4	Bolt, Carriage 5/16"-18 x 1/2" Grade 2
16	170530	3	Bolt, Carriage 3/8"-16 x 1"
17	470960	1	Hopper Weldment, Supplement
18	365140	1	Cover, Supplement Hopper
19	365150	1	Auger Weldment, Concentrate Tank
20	473840	1	Grate Weldment, Angled Hopper
21	I669184R1	1	Clamp, Shield Latch
22	I159920	2	Screw, PHMS 10-24 x 1/2"
23	120600	2	Washer, Lock #10
24	120590	2	Nut, Hex 10-24

HOPPER & DRIVE ASSEMBLY, DISCHARGE - 366690

SHOWS ASSEMBLY FOR PM25 & PM35



Item	Part Number	Qty.	Description
1	I486454R1	4	Shim, Blade .030"
2	005200	2	Washer, Flat 9/16" x 1-3/8" x 7/64"
3	005360	2	Nut, Hex 1/2"-13
4	005370	2	Washer, Lock 1/2"
5	006690	3	Bolt, HHCS 3/8"-16 x 1-1/4"
6	009790	2	Nut, Wing 5/16"-18 Type A
7	012140	4	Bolt, HHCS 5/16"-18 x 3/4"
8	012260	1	Bolt, HHCS 3/8"-16 x 1"
9	012410	4	Bolt, Carriage 5/16"-18 x 3/4"
10	012520	1	Door, Cleanout
11	018110	2	Bolt, Carriage 1/2"-13 x 1-1/2" Grade 2
12	019150	2	Bearing, Flangette 1-1/8" 3 Bolt Round
13	020180	8	Nut, Lock 3/8"-16 Hex Flange
14	020190	4	Nut, Lock 5/16"-18 Hex Flange

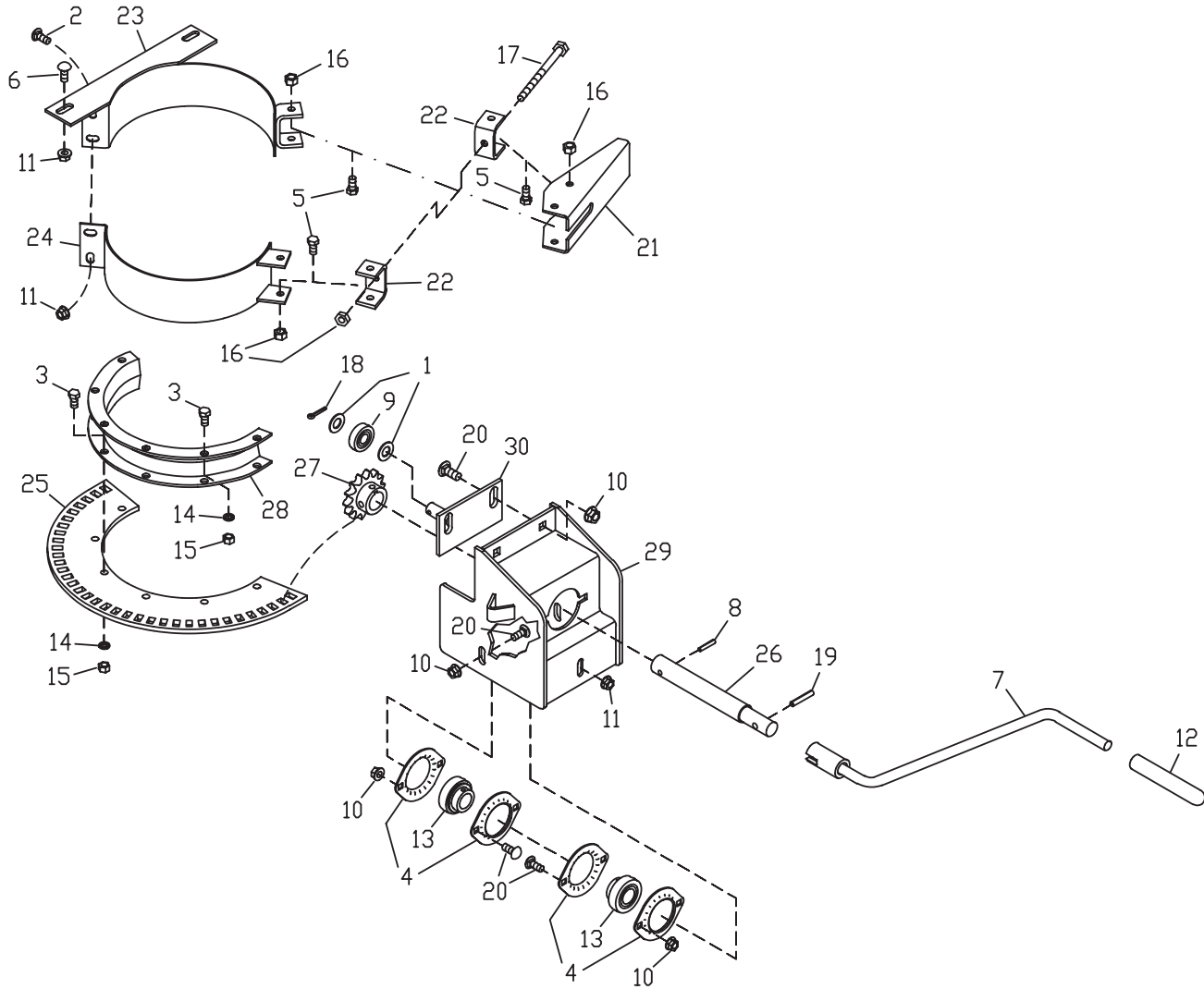
HOPPER & DRIVE ASSEMBLY, DISCHARGE - 366690

SHOWS ASSEMBLY FOR PM25 & PM35

Item	Part Number	Qty.	Description
15	020240	1	Sprocket, 40B28 1-1/8" Bore
16	020580	1	Gear, Bevel 14 T 1-1/8" Bore
17	020650	4	Washer, Flat 1-9/64" x 1-5/8" x 9/64"
18	020700	2	Pin, Cotter 5/32" x 1" Chisel Point
19	020750	4	Washer, Flat 1-9/64" x 1-5/8" x 7/64"
20	020760	3	Key, Square 5/16" x 2"
21	021180	4	Washer, Lock 3/8" Spring Type
22	021190	7	Washer, Flat 7/16" x 1" x 5/64"
23	021270	1	Spring, Clutch Holding
24	021540	1	Bearing, PB 1-1/8" with Lock Collar
25	021560	1	Grip, Clutch Handle 1/4" x 1-1/4" Red
26	021570	1	Key, Square 5/16" x 3-5/8"
27	021610	4	Bearing, Flangette 1-1/8" 2 Bolt
28	021860	1	Sprocket, 40B24 1-1/8" Bore
29	022920	2	Washer, Flat 3/8" x 7/8" x 5/64"
30	023060	2	Nut, Lock 3/8"-16 Hex Disthreaded Grade 2
31	023260	6	Washer, Flat 5/16" x 3/4" x 16 Gauge
32	023270	2	Nut, Lock 1/4"-20 Hex Flange
33	023770	2	Nut, Hex 7/16"-14 Grade 2
34	027260	4	Nut, Hex 3/8"-16
35	032660	1	Clutch, A-66 Casting
36	034260	2	Washer, Flat 1-1/64" x 2-1/8" x 9/64" Plain
37	035180	1	Bolt, Carriage 3/8"-16 x 1-1/4"
38	035200	1	Ring, Snap 1-1/8"
39	035230	2	Screw, THMS 1/4"-20 x 3/4" Grade 2
40	040820	1	Deflector, Feed
41	041540	2	Pin, Clevis 3/8" x 2-3/8"
42	041550	1	Clutch, A-67 Casting
43	105210	1	Handle, Clutch
44	108850	3	Bearing SOD 1-1/8" Spring Lock
45	121820	1	Shield, Lower Gears
46	144730	1	Spacer 1/2" Long
47	144740	1	Spacer 7/8" Long
48	151450	1	Fork, Discharge Clutch
49	157860	1	Assembly, Chain RC40 x 61P
50	158200	1	Rod, Clutch 500
51	158210	1	Weldment, Clutch Arm
52	158230	1	Weldment, Push Auger
53	158240	1	Shaft, Back Auger Drive
54	041440	1	Tightener, Chain (Wood Block Idler 500)
55	158270	1	Weldment, Discharge Grate
56	158280	1	Weldment, Back Hopper Cover
57	162140	1	Shield, Push Auger
58	167090	1	Spacer, Bearing
59	167100	1	Gasket, Filler
60	170530	7	Bolt, Carriage 3/8"-16 x 1"
61	185900	1	Strip, Seal Discharge CO
62	365300	1	Weldment, First Section Discharge
63	117550	1	Bolt, Carriage 3/8"-16 x 2-1/4" Grade 2
64	021210	4	Pin, Cotter 3/32"

SWIVEL ASSEMBLY, MECHANICAL - 367270

SHOWS ASSEMBLY FOR PM25 & PM35



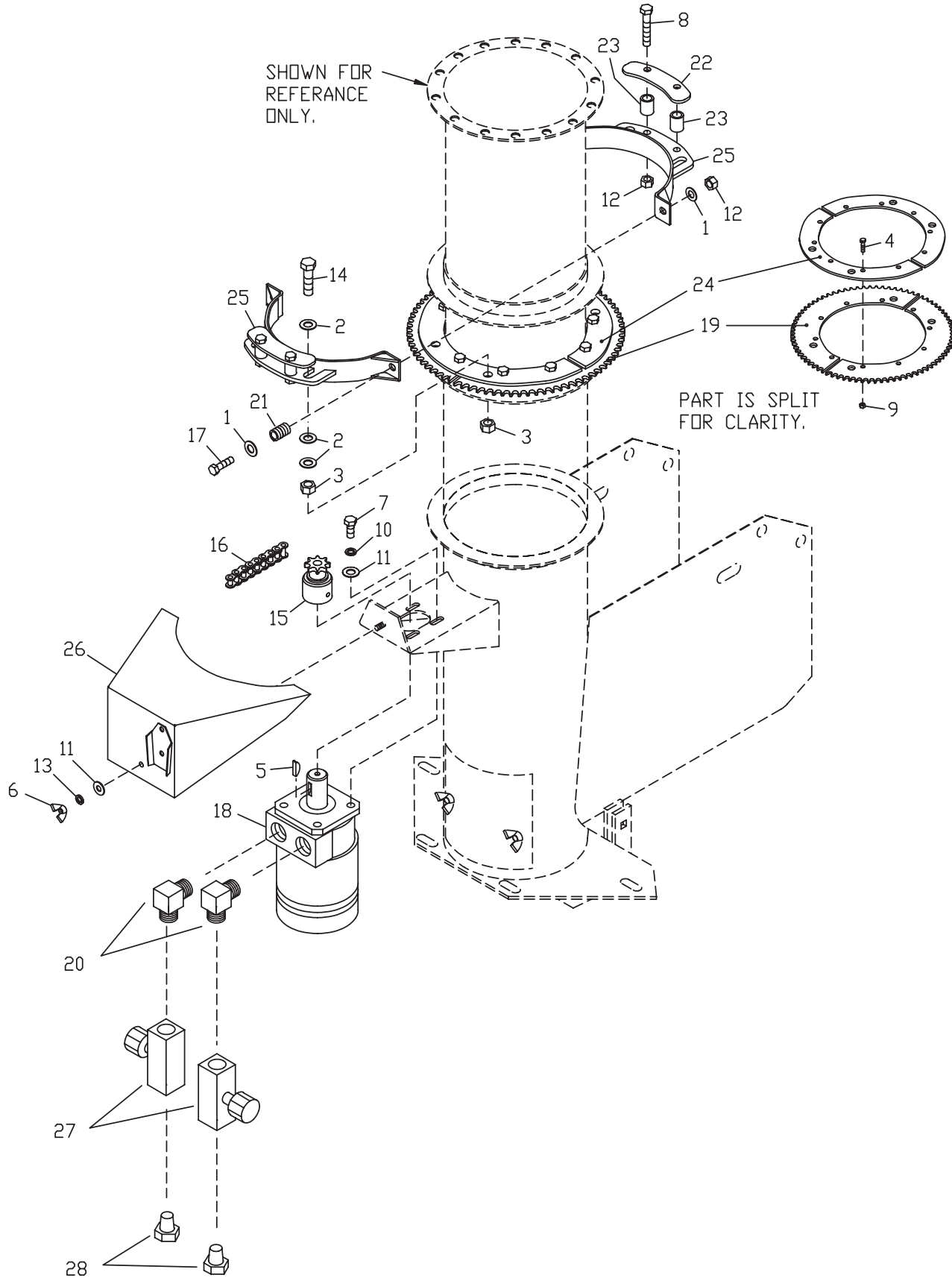
SWIVEL ASSEMBLY, MECHANICAL - 367270

SHOWS ASSEMBLY FOR PM25 & PM35

Item	Part Number	Qty.	Description
1	I120396	2	Washer, Flat 17/32" x 1-1/16" x 1/16"
2	I14994R1	2	Bolt, Carriage 5/16"-18 x 1" Square Neck Grade 2
3	005900	12	Bolt, HHCS 5/16"-18 x 1"
4	008580	4	Bearing, Flangette 3/4" 2 Bolt
5	012140	6	Bolt, HHCS 5/16"-18 x 3/4"
6	012410	4	Bolt, Carriage 5/16"-18 x 3/4"
7	012500	1	Weldment, Crank
8	012560	1	Pin, Expansion 3/16" x 1"
9	013750	1	Bearing, Ball 1/2" Special
10	020180	8	Nut, Lock 3/8"-16 Hex Flange
11	020190	5	Nut, Lock 5/16"-18 Hex Flange
12	020640	1	Grip, Plastic
13	021680	2	Bearing, SOD 3/4"
14	023620	19	Washer, Lock 5/16"
15	023630	19	Nut, Hex 5/16"-18
16	025670	7	Nut, Lock 5/16"-18 Hex Disthread
17	028200	1	Bolt, HHCS 5/16"-18 x 4-1/2"
18	034360	1	Pin, Cotter 1/8" x 1"
19	169220	1	Pin, Spring 1/4" x 1-3/8" Slotted
20	170530	8	Bolt, Carriage 3/8"-16 x 1"
21	206490	1	Handle, Brake
22	206500	2	Yoke, Brake
23	206510	1	Weldment, Handle Half Band
24	206520	1	Weldment, Plain Half Band
25	217670	1	Disk, Half Swivel Drive
26	217740	1	Shaft, Swivel Drive
27	217750	1	Sprocket, 50B8 3/4" Bore
28	367320	1	Weldment, Disk Drive Ring Half
29	367360	1	Weldment, Mechanical Swing Bracket
30	367400	1	Weldment, Idler Rod
31	022920	6	Washer, Flat 3/8" x 7/8" x 5/64"
32	116350	2	Spacer, Door
33	991180	2	Bolt, Carriage 5/16"-18 x 3" Grade 2

SWIVEL ASSEMBLY, HYDRAULIC - 367260

SHOWS ASSEMBLY FOR PM25 & PM35



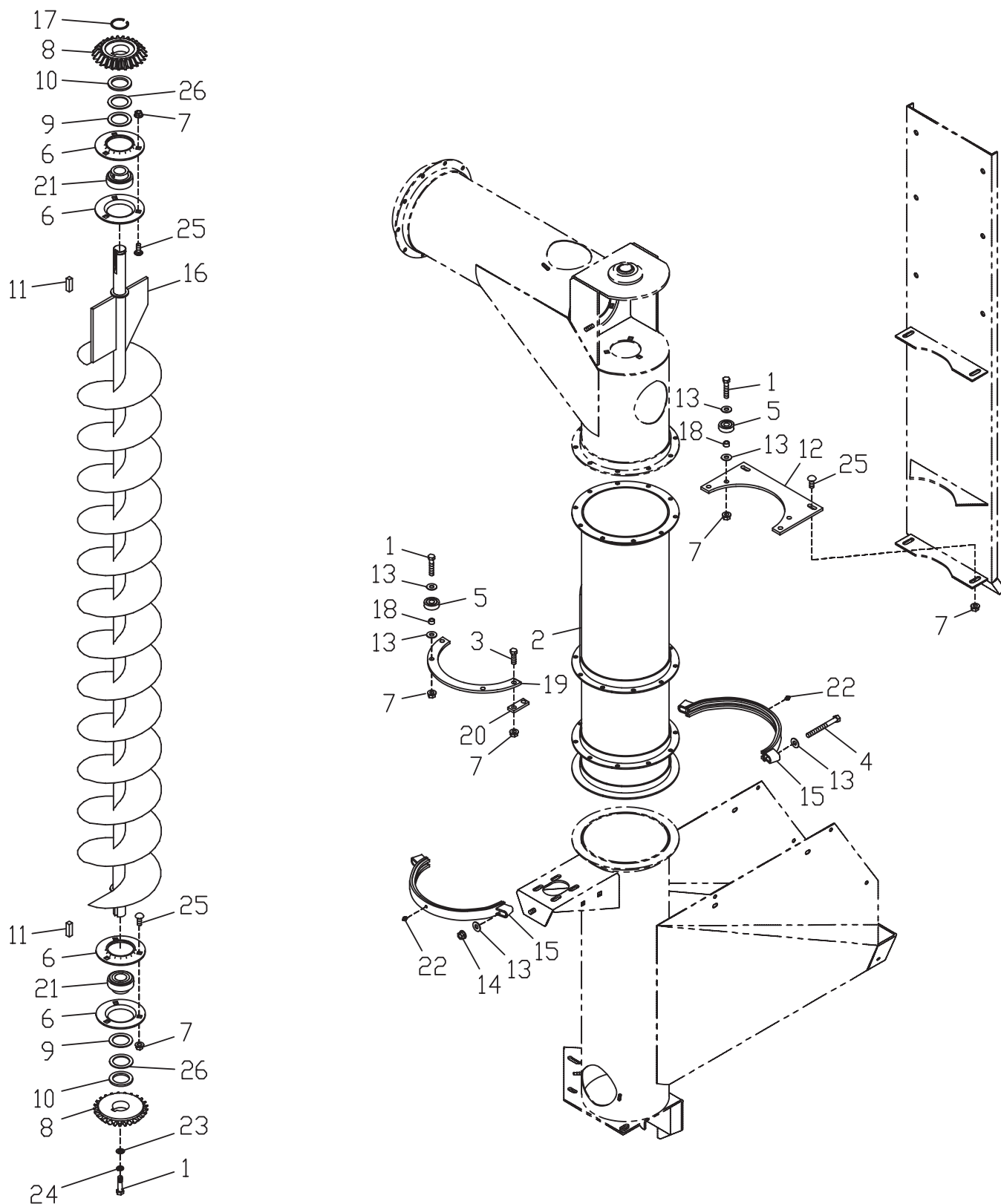
SWIVEL ASSEMBLY, HYDRAULIC - 367260

SHOWS ASSEMBLY FOR PM25 & PM35

Item	Part Number	Qty.	Description
1	I120394	4	Washer, Flat 13/32" x 13/16" x 3/64"
2	I120396	12	Washer, Flat 17/32" x 1-1/16" x 1/16"
3	005360	8	Nut, Hex 1/2"-13
4	005900	10	Bolt, HHCS 5/16"-18 x 1"
5	006180	1	Key, Woodruff 1/4" x 1" Plain
6	009790	1	Nut, Wing 5/16"-18 Type A
7	012260	4	Bolt, HHCS 3/8"-16 x 1"
8	018150	4	Bolt, HHCS 3/8"-16 x 1-3/4"
9	020190	10	Nut, Lock 5/16"-18 Hex Flange
10	021180	4	Washer, Lock 3/8" Spring Type
11	021190	4	Washer, Flat 7/16" x 1" x 5/64"
12	023060	6	Nut, Lock 3/8"-16 Hex Disthreaded Grade 2
13	023620	1	Washer, Lock 5/16"
14	023950	4	Bolt, HHCS 1/2"-13 x 2"
15	458500	1	Sprocket, Assembly, 60B10
16	366540	1	Chain, #60 Roller 60 Pitches with Connector
17	037790	2	Bolt, HHCS 3/8"-16 x 2"
18	111090	1	Motor, Hydraulic 20 cu. in. Displacement
19	458490	2	Sprocket, Split 60A54
20	274460	2	Elbow, 1/2" x 3/8" 90°
21	258540	2	Spring, Compression 1/32" x 3/4" x 7/8" Long
22	349470	2	Plate, Clamp
23	349480	4	Spacer, 43/64" OD x 31/64" ID x 7/8" Long
24	349490	1	Plate, Sprocket Bolt
25	349500	2	Assembly, Half Band
26	364040	1	Assembly, Swivel Motor Shield
27*	212490	2	Valve, Flow Control
28	502570	2	Bushing, Adapter 3/8" NPT x 1/2" NPTF

***NOTE:** Both valves should be set to the same flow. Unequal settings will cause excessive motor back pressure and shaft seal failure.

29" VERTICAL - 471160



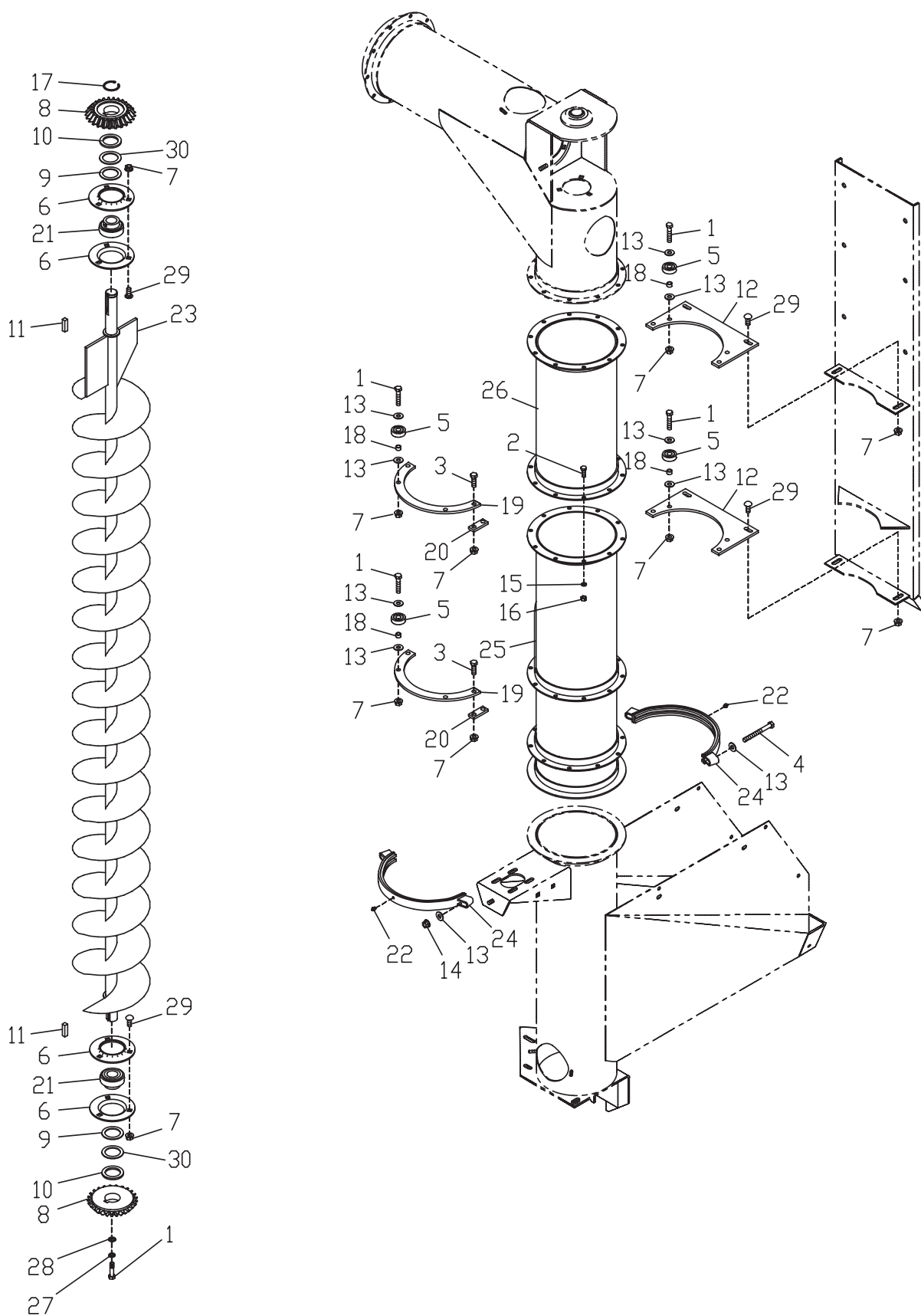
DISCHARGE ASSEMBLY, VERTICAL

29" VERTICAL - 471160

Item	Part Number	Qty.	Description
1	011370	5	Bolt, HHCS 3/8"-16 x 1-1/2"
2	366890	1	Tube Weldment, 29" Vertical
3	012260	4	Bolt, HHCS 3/8"-16 x 1"
4	990820	2	Bolt, HHCS 3/8"-16 x 3"
5	013750	4	Bearing, Ball 1/2" Special
6	019150	4	Bearing, Flangette 1-1/8" 3 Bolt Round
7	020180	16	Nut, Lock 3/8"-16 Hex Flange
8	461790	2	Gear, Bevel 14 Teeth 1-1/8" Bore
9	020910	2	Washer, Flat 1-1/4" x 1-3/4" x 1/16"
10	020880	2	Washer, Flat 1-1/4" x 1-3/4" x 9/64"
11	020760	2	Key, Square 5/16" x 1-1/8"
12	367180	1	Bracket, Swivel Ring
13	021190	12	Washer, Flat 7/16" x 1" x 5/64"
14	023060	2	Nut, Lock 3/8"-16 Hex Disthreaded Grade 2
15	188340	2	Clamp Weldment. Heavy Swivel
16	469990	1	Angle Weldment. Vertical Discharge 29"
17	025710	1	Ring, Snap 1-1/4"
18	038380	4	Spacer, 3/8" x 1/2" x 5/16"
19	046060	1	Ring, Swivel
20	046130	2	Bracket, Swivel Ring Attachment
21	461780	2	Bearing, SOD 1-1/8" Spring Lock
22	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight
23	012270	1	Washer, Flat 13/32" x 1-3/4" x 9/64"
24	021180	1	Washer, Lock 3/8" x 11/16 x 3/32
25	170530	8	Bolt, Carriage 3/8"-16 x 1"
26	020920	2	Washer, Flat 1-1/4" x 3/64"

DISCHARGE ASSEMBLY, VERTICAL

45" VERTICAL - 461770

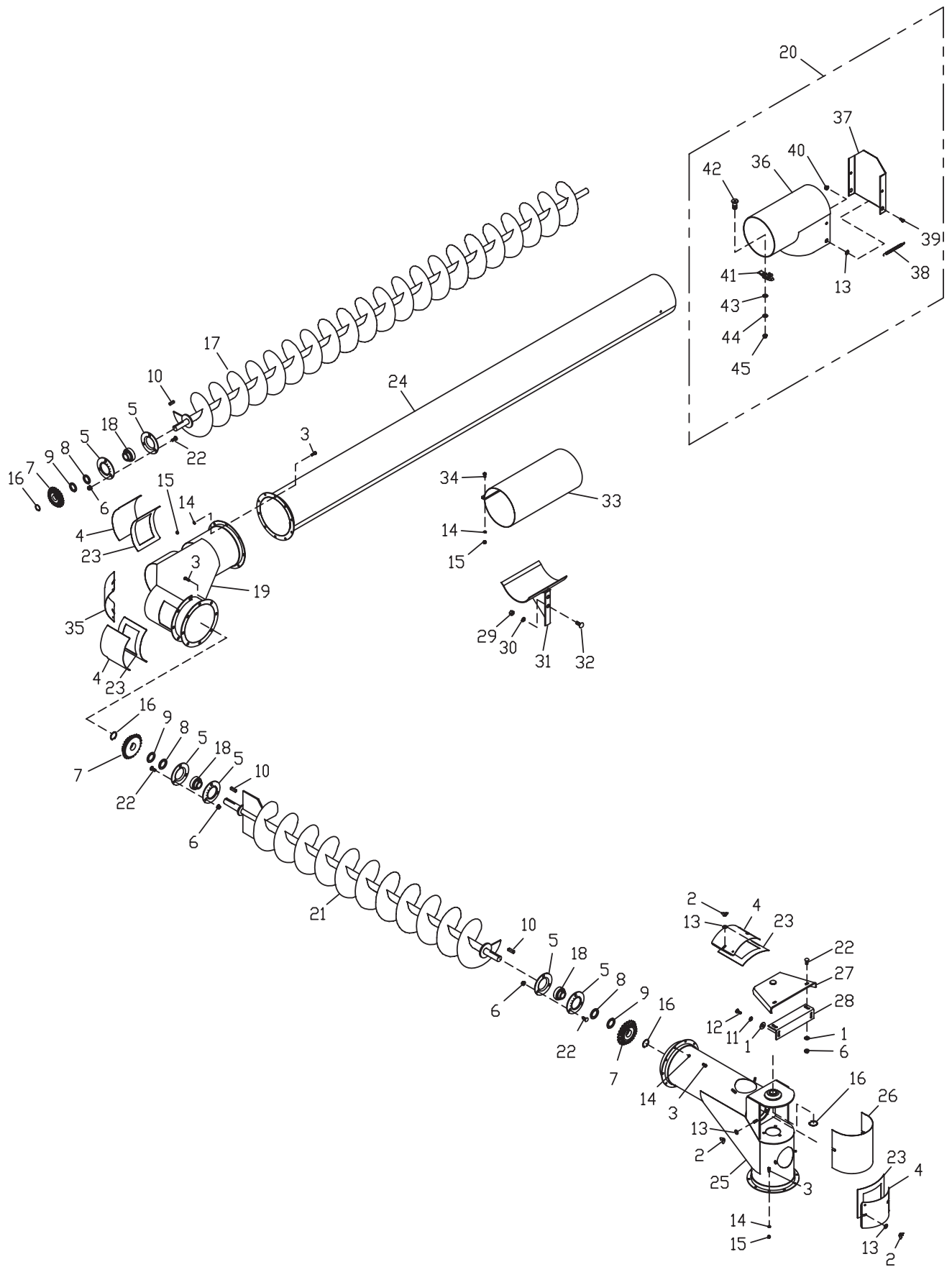


DISCHARGE ASSEMBLY, VERTICAL

45" VERTICAL - 461770

Item	Part Number	Qty.	Description
1	011370	9	Bolt, HHCS 3/8"-16 x 1-1/2"
2	012140	10	Bolt, HHCS 5/16"-18 x 3/4"
3	012260	8	Bolt, HHCS 3/8"-16 x 1"
4	990820	2	Bolt, HHCS 3/8"-16 x 3"
5	013750	8	Bearing, Ball 1/2" Special
6	019150	4	Bearing, Flangette 1-1/8" 3 Bolt Round
7	020180	26	Nut, Lock 3/8"-16 Hex Flange
8	461790	2	Gear, Bevel 14 Teeth 1-1/8" Bore
9	020910	2	Washer, Flat 1-1/4" x 1-3/4" x 9/64"
10	020880	2	Washer, Flat 1-1/4" x 1-3/4" x 1/16"
11	020760	2	Key, Square 5/16" x 1-1/8"
12	367180	2	Bracket, Swivel Ring
13	021190	20	Washer, Flat 7/16" x 1" x 5/64"
14	023060	2	Nut, Lock 3/8"-16 Hex Disthreaded Grade 2
15	023620	10	Washer, Lock 5/16"
16	023630	10	Nut, Hex 5/16"-18
17	025710	1	Ring, Snap 1-1/4"
18	038380	8	Spacer, 3/8" x 1/2" x 5/16"
19	046060	2	Ring, Swivel
20	046130	4	Bracket, Swivel Ring Attachment
21	461780	2	Bearing, SOD 1-1/8" Spring Lock
22	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight
23	461740	1	Auger Weldment, Vertical Discharge
24	188340	2	Clamp Weldment, Heavy Swivel
25	366890	1	Tube Weldment, 29" Vertical
26	366910	1	Tube Weldment, 16" Vertical
27	021180	1	Washer, Lock 3/8"
28	012270	1	Washer, Flat 13/32" x 1-3/4" x 9/64" Plain
29	170530	10	Bolt, Carriage 3/8"-16 x 1"
30	020920	2	Washer, Flat 1-1/4" x 3/64"

INNER ELBOW ASSEMBLY, DISCHARGE - 367150

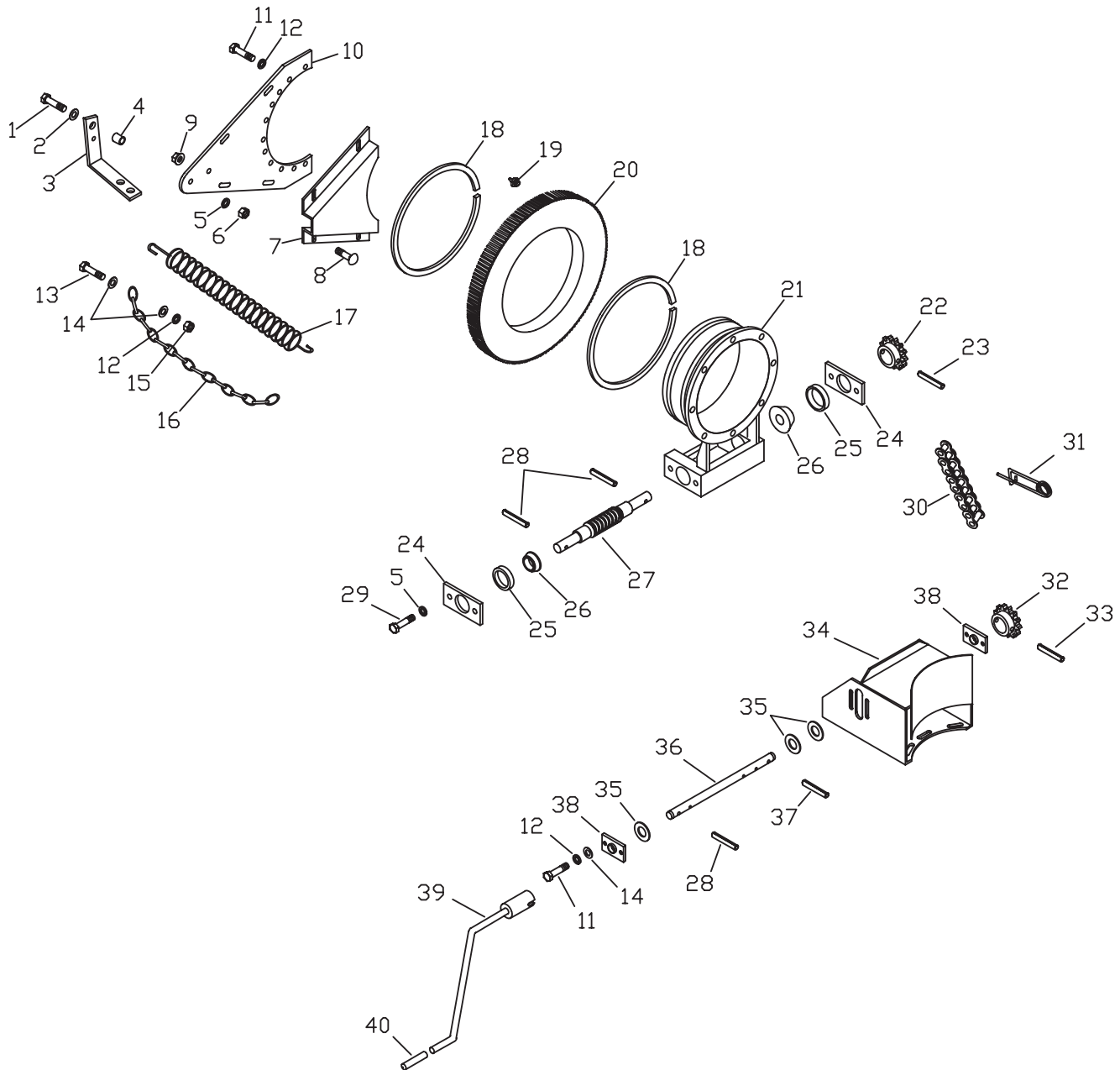


INNER ELBOW ASSEMBLY, DISCHARGE - 367150

Item	Part Number	PM25	PM35	Description
		Qty.	Qty.	
1	I120374	4	4	Washer, Flat 13/32" x 13/16" x 3/64"
2	009790	2	2	Nut, Wing 5/16"-18 Type A
3	012140	22	22	Bolt, HHCS 5/16"-18 x 3/4"
4	012520	4	4	Door, Clean-Out
5	019150	6	6	Bearing, Flangette 1-1/8" 3 Bolt Round
6	020180	8	8	Nut, Lock 3/8"-16 Hex Flange
7	020580	2	2	Gear, Bevel 14 T 1-1/8" Bore
8	020650	4	4	Washer, Flat 1-9/64" x 1-5/8" x 9/64"
9	020750	3	3	Washer, Flat 1-9/64" x 1-5/8" x 7/64"
10	020760	1	1	Key, Square 5/16" x 2"
11	021180	2	2	Washer, Lock 3/8" Spring Type
12	022420	2	2	Bolt, HHCS 3/8"-16 x 3/4"
13	022920	14	14	Washer, Flat 3/8" x 7/8" x 5/64"
14	023620	23	23	Washer, Lock 5/16"
15	023630	13	13	Nut, Hex 5/16"-18
16	035200	4	4	Ring, Snap 1-1/8"
17	040960	1	1	Weldment, Auger 118-1/2"
18	108850	3	3	Bearing, SOD 1-1/8" Spring Lock
19	132871	1	1	Elbow Assembly, Light
20	152100	1	1	Hood Assembly, Discharge
21	040850	1	-	Auger Weldment, Cross 105 Bushel
21	158560	-	1	Auger Weldment, Cross 150 Bushel
22	170530	8	8	Bolt, Carriage 3/8"-16 x 1"
23	185900	4	4	Strip, Seal Discharge CO
24	205990	1	1	Tube Weldment, 8" x 103" x 16 Gauge
25	366820	1	-	Elbow Weldment, 105 Bushel Inner
25	366810	-	1	Elbow Weldment, 150 Bushel Inner
26	366830	1	1	Cover, Gear
27	366860	1	1	Anchor Weldment, Bearing
28	379240	1	-	Bracket, 105 Bushel Bolt-On Extension
28	379250	-	1	Bracket, 105 Bushel Bolt-On Extension
29	005360	1	1	Nut, Hex 1/2"-13
30	005370	1	1	Washer, Lock 1/2"
31	043480	1	1	Holder Weldment, Unloading Auger
32	005390	1	1	Bolt, Carriage 1/2"-13 x 1"
33	461230	1	1	Wrap, Discharge
34	030030	3	3	Bolt, HHCS 5/16"-18 x 1-1/4"
35	040870	1	1	Shield, Bevel Gear
36	152110	1	1	Hood Weldment
37	152170	1	1	Door, Discharge Hood
38	100750	1	1	Spring
39	006880	2	2	Bolt, HHCS 5/16" x 5/8"
40	025670	2	2	Nut, Hex 5/16"-18 Lock
41	I669184R1	2	2	Clamp
42	I159920	4	4	Screw, PHMS #10-24 x 1/2"
43	W144750056	4	4	Washer, Flat #10
44	120600	4	4	Washer, Lock #10
45	120590	4	4	Nut, Hex #10-24

MECHANICAL RING & WORM ASSEMBLY - 367290

SHOWS ASSEMBLY FOR PM25



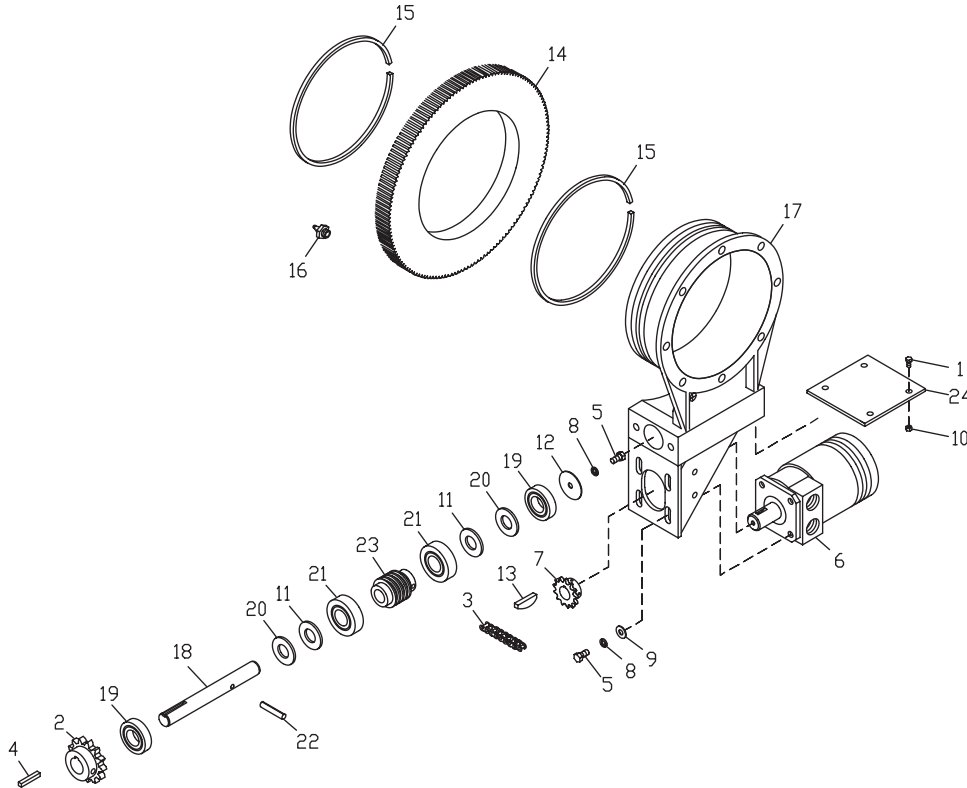
MECHANICAL RING & WORM ASSEMBLY - 367290

SHOWS ASSEMBLY FOR PM25

Item	Part Number	Qty.	Description
1	012260	1	Bolt, HHCS 3/8"-16 x 1"
2	021190	1	Washer, Flat 7/16" x 1" x 5/64"
3	213310	1	Bracket, Lift Assist Spring
4	033460	1	Spacer, 3/8" ID x 9/32" Long
5	021180	5	Washer, Lock 3/8" Spring Type
6	027260	1	Nut, Hex 3/8"-16
7	214140	1	Channel, Lever Brace
8	254060	4	Bolt, Carriage 5/16"-18 x 1"
9	020190	4	Nut, Lock 5/16"-18 Hex Flange
10	113560	1	Lever, Lift
11	012140	10	Bolt, HHCS 5/16"-18 x 3/4"
12	023620	11	Washer, Lock 5/16"
13	005900	2	Bolt, HHCS 5/16"-18 x 1"
14	022920	7	Washer, Flat 3/8" x 7/8" x 5/64"
15	023630	2	Nut, Hex 5/16"-18
16	213430	1	Chain, 2/0 Safety
17	145590	1	Spring, Extension
18	104360	2	Ring, Retaining
19	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight
20	126230	1	Gear, Ring with 10 Holes
21	206440	1	Holder, Ring and Worm
22	206390	1	Sprocket, 40B18 3/4" Bore
23	013600	1	Pin, Expansion 1/4" x 2"
24	204670	2	Plate, Holder
25	252720	2	Cup, Bearing
26	1758209	2	Cone, Bearing 3/4" Bore
27	206430	1	Worm and Shaft
28	012550	3	Pin, Expansion 1/4" x 1-1/4"
29	011370	4	Bolt, HHCS 3/8"-16 x 1-1/2"
30	213530	1	Chain, Roller #40 x 144 Pitches
31	140820	1	Pin, Safety 1/8" x 4-3/8"
32	113520	1	Sprocket, 40B9 5/8" Bore
33	991100	1	Pin, Expansion 3/16" x 1-1/4"
34	371760	1	Weldment, Lift Assist Bracket - 105 Bushel
34	371770	1	Weldment, Lift Assist Bracket - 150 Bushel
35	035190	3	Washer, Flat 21/32"
36	213340	1	Shaft, Lift Assist Crank
37	012560	1	Pin, Expansion 3/16" x 1"
38	114060	2	Assembly, Adjustment Plate
39	012500	1	Weldment, Crank
40	020640	1	Grip, Plastic

HYDRAULIC RING & WORM ASSEMBLY - 133310

SHOWS ASSEMBLY FOR PM25 & PM35

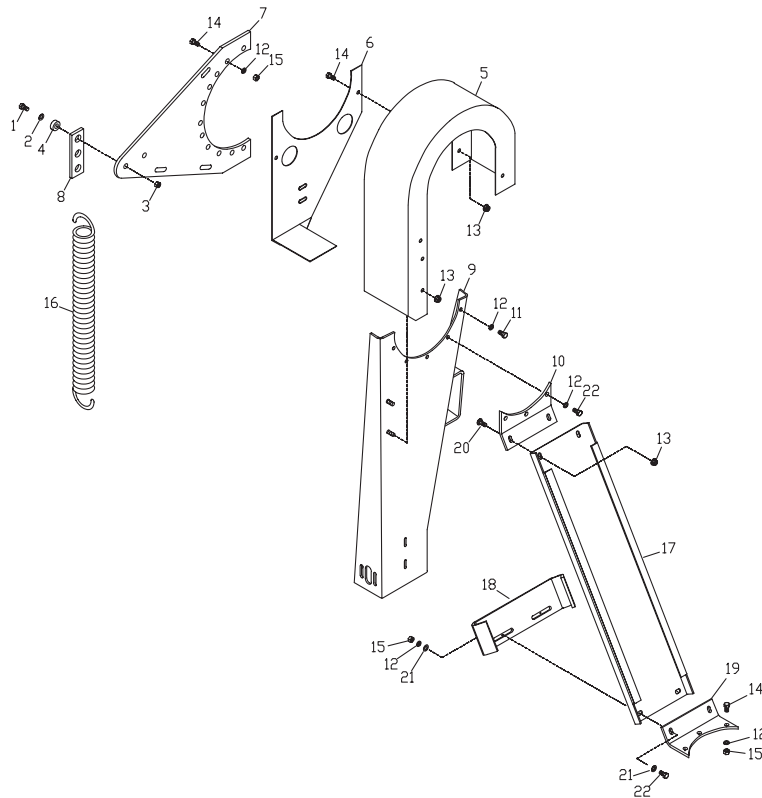


Item	Part Number	Qty.	Description
1	012051	4	Bolt, HHCS 1/4"-20 x 3/4"
2	006630	1	Sprocket, 40B18
3	006850	1	Chain, #40 Roller 30P Includes Connector
4	011500	1	Key, Square 1/4" x 1-1/2"
5	012260	4	Bolt, HHCS 3/8"-16 x 1"
6	014280	1	Motor, Hydraulic 12 cu in Displacement
7	014940	1	Sprocket, 40B13 1" ID
8	021180	4	Washer, Lock 3/8" Spring Type
9	021190	4	Washer, Flat 7/16" x 1" x 5/64"
10	023270	4	Nut, Lock 1/4"-20 Hex Flange
11	003370	2	Washer, Flat 1-1/32" x 1-1/2" x 3/64"
12	012270	1	Washer, Flat 13/32" x 1-3/4" x 9/64" Plain
13	006180	1	Key, Woodruff 1/4" x 1" Plain
14	145450	1	Gear, Ring
15	104360	1	Ring, Retaining
16	115590	2	Zerk, 1/4"-28 Taper Self-Tapping Straight
17	133850	1	Weldment, Ring and Worm Hydraulic Holder
18	1802909	1	Shaft, Worm Hydraulic
19	169730	2	Bearing, Ball 1"
20	042180	2	Washer, Flat 1-1/64" x 2-1/4" x 3/16"
21	183301	2	Bearing, Thrust 1" ID
22	1802801	1	Pin, Spring 5/16" x 1-3/4" Coiled
23	1803204	1	Gear, Worm 1" ID H/T
24	113070	1	Plate, Oil

For complete Hydraulic Ring and Worm Gear Assembly (Less motor, Chain and Sprockets) order - 18034090P

HYDRAULIC LIFT ASSIST & SHIELDS - 367280

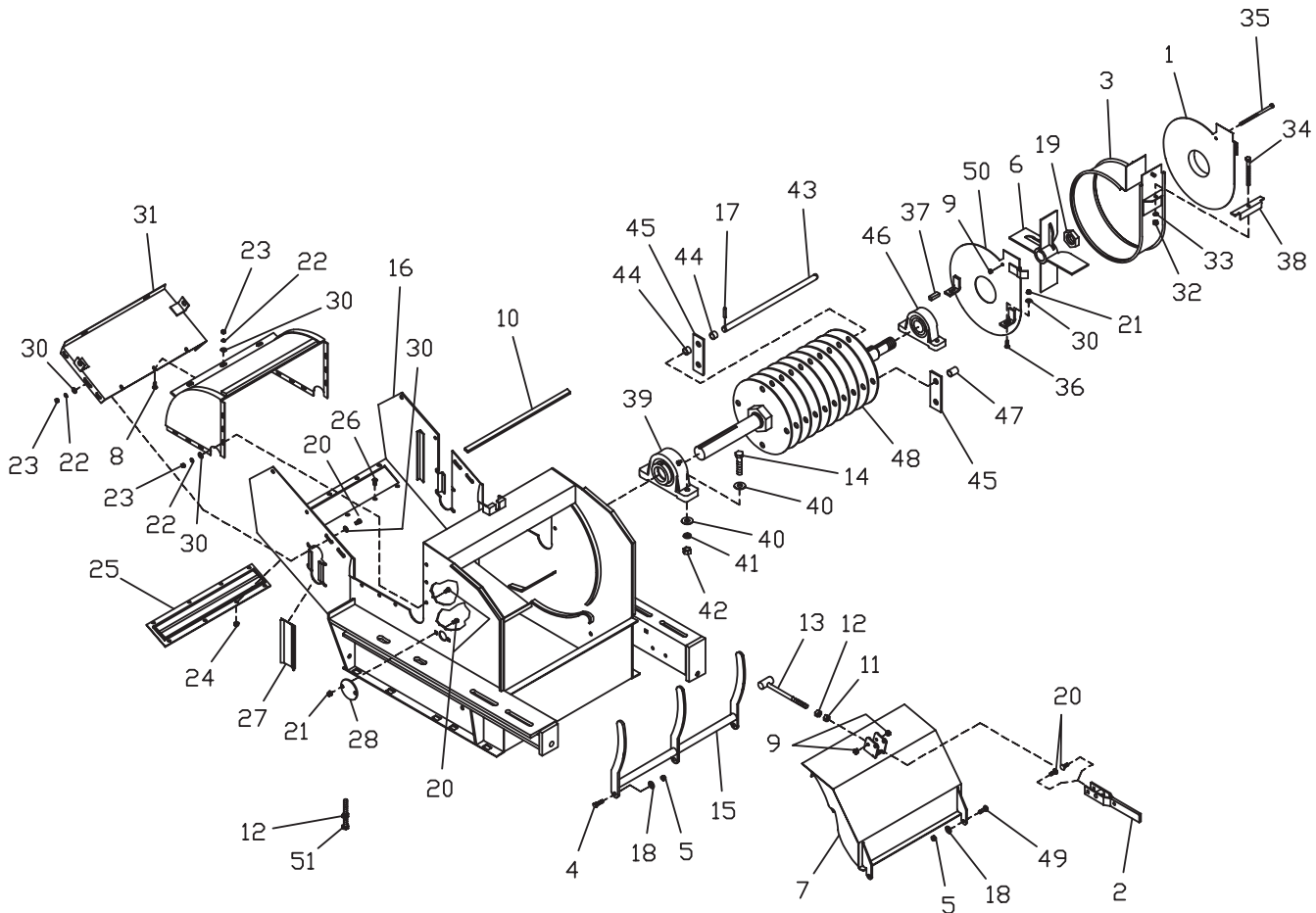
SHOWS ASSEMBLY FOR PM25 & PM35



Item	Part Number	Qty.	Description
1	012260	1	Bolt, HHCS 3/8"-16 x 1"
2	021190	1	Washer, Flat 7/16" x 1" x 5/64"
3	023060	1	Nut, Lock 3/8"-16 Hex Disthreaded Grade 2
4	033460	1	Spacer, 3/8" ID x 9/32" Long
5	043221	1	Weldment, Shield Ring and Worm without Decal
6	043230	1	Weldment, Lower Shield
7	113560	1	Lever, Lift
8	145580	1	Bracket, Spring Holding
9	147530	1	Assembly, Vertical Arm
10	248150	1	Bracket, Top Brace - 29"
10	371890	1	Bracket, Top Brace - 45"
11	005900	2	Bolt, HHCS 5/16"-18 x 1"
12	023620	14	Washer, Lock 5/16"
13	020190	4	Nut, Lock 5/16"-18 Hex Flange
14	012140	10	Bolt, HHCS 5/16"-18 x 3/4"
15	023630	10	Nut, Hex 5/16"-18
16	145590	1	Spring, Extension
17	371910	1	Channel, Brace - 29" Discharge
17	371920	1	Channel, Brace - 45" Discharge
18	371930	1	Stop, Swing
19	248140	1	Bracket, Brace Bottom - 29" Discharge
19	371900	1	Bracket, Brace Bottom - 45" Discharge
20	012410	2	Bolt, Carriage 5/16"-18 x 3/4"
21	022920	4	Washer, Flat 3/8" x 7/8" x 5/64"
22	030030	5	Bolt, HHCS 5/16"-18 x 1-1/4"

20" HAMMER MILL ASSEMBLY - 362380

SHOWS ASSEMBLY FOR PM25



Item	Part Number	Qty.	Description
1	170990	1	Plate Weldment, Rear Side
2	151920	1	Locking Weldment, Handle
3	171000	1	Wrapper Weldment, Fan Housing
4	012260	2	Bolt, HHCS 3/8" - 16 x 1.0"
5	023060	4	Nut, Lock 3/8" - 16 Disthread
6	013520	1	Fan, A37 Blower
7	362670	1	Door Weldment, 20" Hammer mill
8	012410	5	Bolt, Carriage 5/16" - 18 x 3/4"
9	025670	3	Nut, Lock 5/16" - 18 Hex Dis threaded

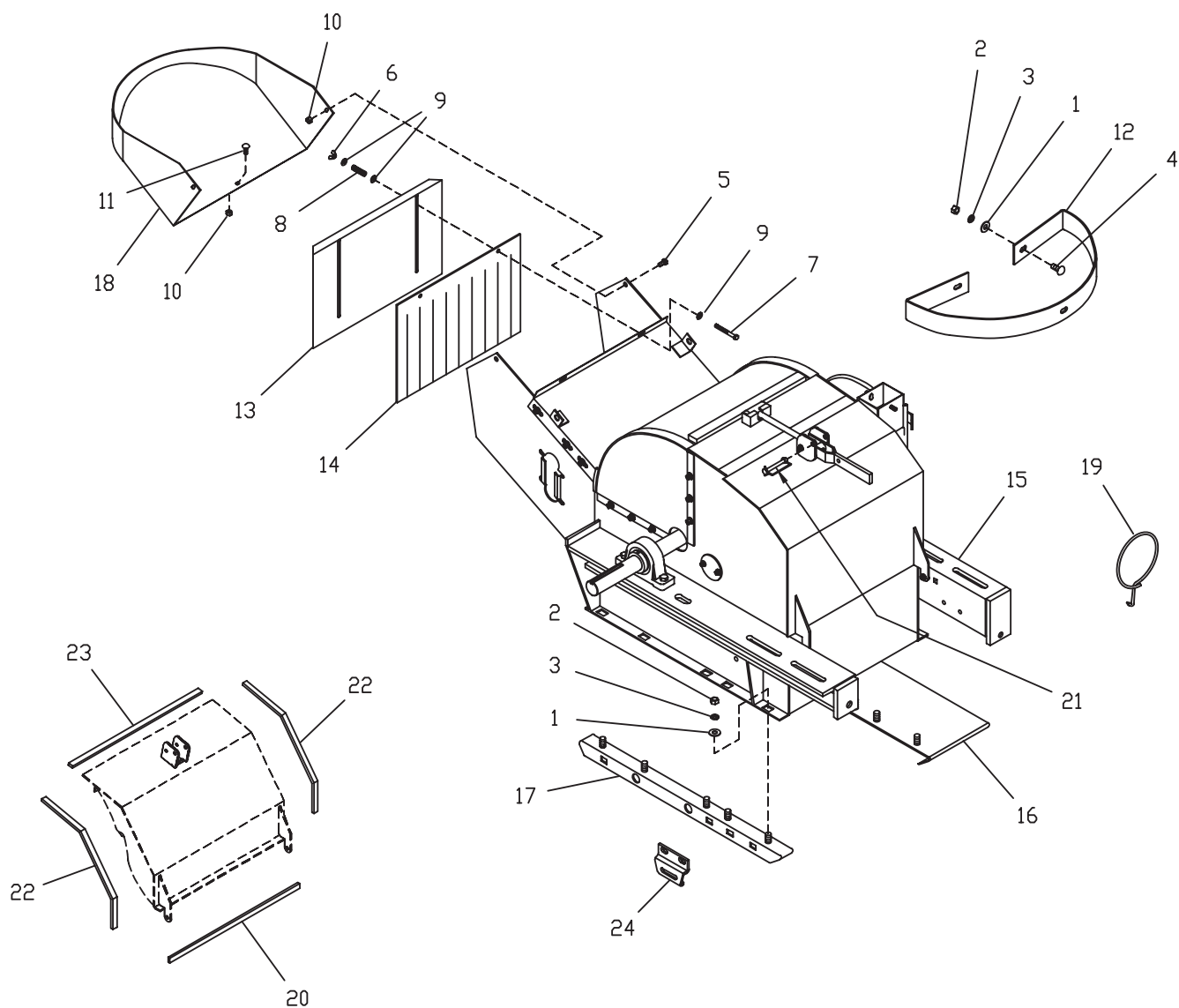
20" HAMMER MILL ASSEMBLY - 362380

SHOWS ASSEMBLY FOR PM25

Item	Part Number	Qty.	Description
10	145470	1	Strip, Lower Seal
11	127890	1	Nut, Lock 1/2" - 13 Disthrd
12	005360	4	Nut, Hex 1/2" - 13
13	127860	1	T-Bar Weldment
14	023110	4	Bolt, HHCS 5/8" - 11 x 2.50"
15	326720	1	Support Weldment, 20" Screen
16	362580	1	Housing Weldment, 20" Hammer mill
17	012550	8	Pin, Expansion 1/4" x 1.25"
18	021190	4	Washer, Flat 7/16" x 1.0" x 5/64"
19	013530	1	Nut, Jam 1-1/2" - 12 Hex
20	012140	22	Bolt, HHCS 5/6" - 18 x 3/4"
21	020190	4	Nut, Lock 5/16" - 18 Hex Flange
22	023620	18	Washer, Lock 5/16"
23	023630	19	Nut, Hex 5/15" - 18
24	023270	8	Nut, Lock 1/4" - 20 Hex Flange
25	009740	1	Magnet, #4
26	035230	8	Screw, THMS 1/4" - 20 x 3/4"
27	013360	2	Slide Weldment
28	012920	1	Plate
29	362760	1	Hood Weldment, 20" Hammer mill
30	022920	24	Washer, Flat 3/8" x 7/8" x 5/64"
31	009820	1	Cover, Throat Weldment
32	027260	1	Nut, Hex 3/8" - 16
33	021180	1	Washer, Lock 3/8"
34	990870	1	Bolt, HHCS 3/8" - 16 x 3-1/2"
35	012820	1	Bolt, HHCS 5/16" - 18x 5.0"
36	1111267	2	Bolt, Carriage 5/16" - 18 x 1-1/4"
37	013510	1	Key, Square 3/8"x 1-1/4"
38	170970	1	Clamp, Pull Down
39	013950	1	Bearing, PB 2.0 Double Row with Lock Collar
40	127920	8	Washer, Flat 21/32" x 1-3/8" x 11/64"
41	020440	4	Washer, Lock 5/8" Regular
42	020450	4	Nut, Hex 5/8" - 11
43	013470	4	Pin, Hammer mill 3/4" x 18-3/16"
44	013480	36	Spacer, Pipe 39/64 / 41/64 Long Split
45	013501	36	Hammer, Single
46	013420	1	Bearing, PB 2.0" with Lock Collar
47	013490	18	Spacer, Pipe 1-15/64/1-17/64 Long Split
48	020570	1	Rotor Assembly, 20" Hammer mill
49	170530	1	Bolt, Carriage 3/8" - 16 x 1.0"
50	170980	1	Plate, Weldment, Front Side
51	034650	3	Bolt, HHCS 1/2" - 13 x 3-1/2"
52	398230	-	Sealant, Clear 10 oz. Tube

20" THROAT ASSEMBLY - 363170

SHOWS ASSEMBLY FOR PM25



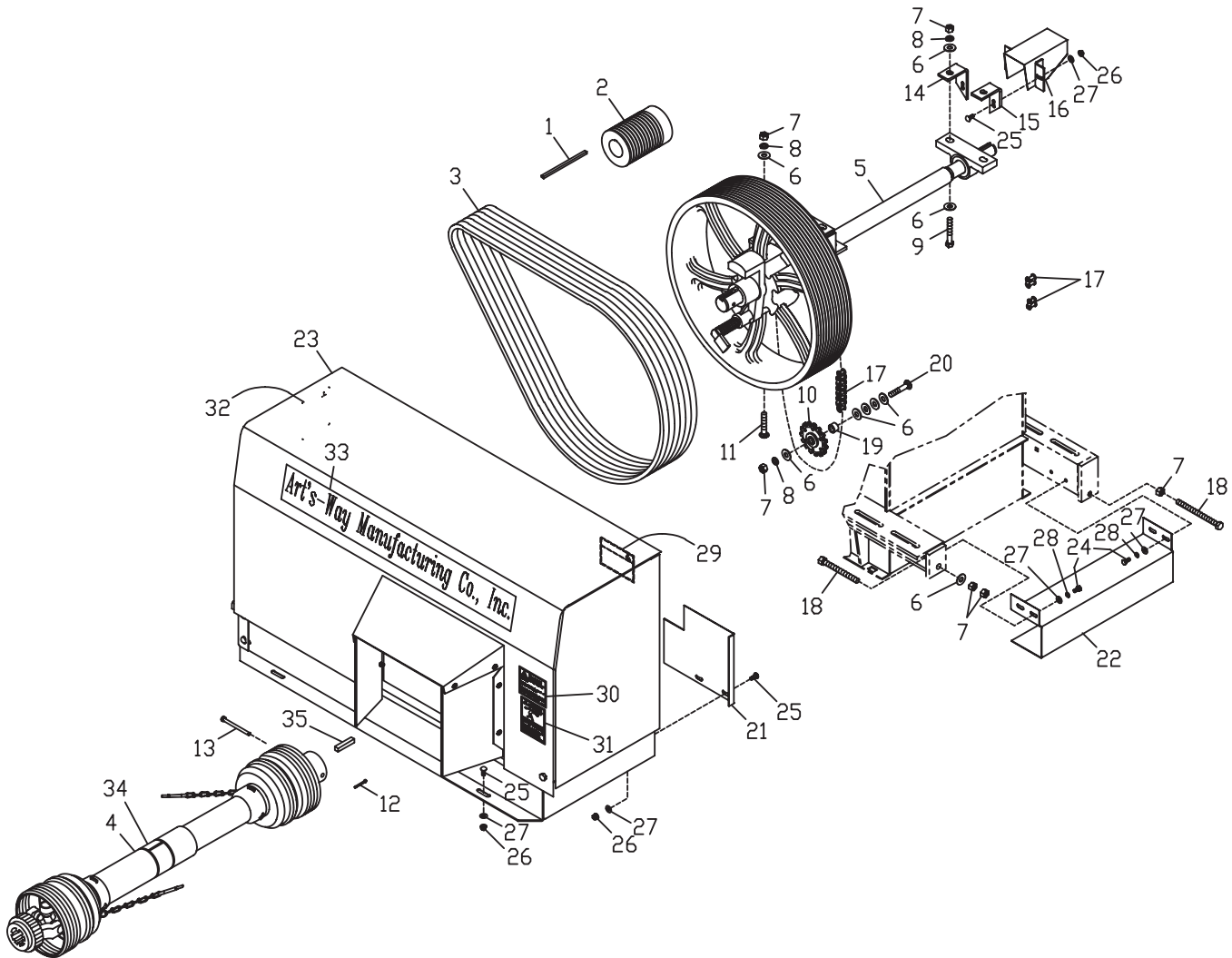
20" THROAT ASSEMBLY - 363170

SHOWS ASSEMBLY FOR PM25

Item	Part Number	Qty.	Description
1	005200	12	Washer, Flat 9/16" x 1-3/8" x 7/64"
2	005360	12	Nut, Hex 1/2" - 13
3	005370	12	Washer, Lock 1/2"
4	005390	2	Bolt, Carriage 1/2" - 13 x 1.0"
5	006880	2	Bolt, HHCS 5/16" - 18 x 5/8"
6	009790	2	Nut, Wing 5/16" - 18 Type A
7	009800	2	Bolt, HHCS 5/16" - 18 x 2-1/2"
8	013080	2	Spring, Compression 12 Ga. X 5/8" x 1-7/8
9	022920	6	Washer, Flat 3/8" x 7/8" x 5/64"
10	020190	3	Nut, Lock 5/26" - 18 Hex Flange
11	035290	1	Bolt, Carriage 5/16" - 18 x 5/8"
12	037880	1	Rack
13	205310	1	Plate, Feed Gate Large
14	205320	1	Flap Throat
15	362380	1	Hammer mill Assembly, 20"
16	362800	1	Angle Weldment, 20" Rear
17	362840	1	Angle Weldment, Front
18	366630	1	Basket Weldment, 20"
19	013120	1	Hook,Screen
20	145460	1	Strip, Sealing
21	143710	1	Pin, Snapper 3/8" x 2-1/2"
22	213900	2	Striper, Sealing 1/4" x 5/8" x 20.0"
23	145470	1	Striper, Lower Sealing
24	362570	1	Bracket, Idler

540 RPM DRIVE - 20" HAMMER MILL DRIVE ASSEMBLY

SHOWS ASSEMBLY PM25 - 470610



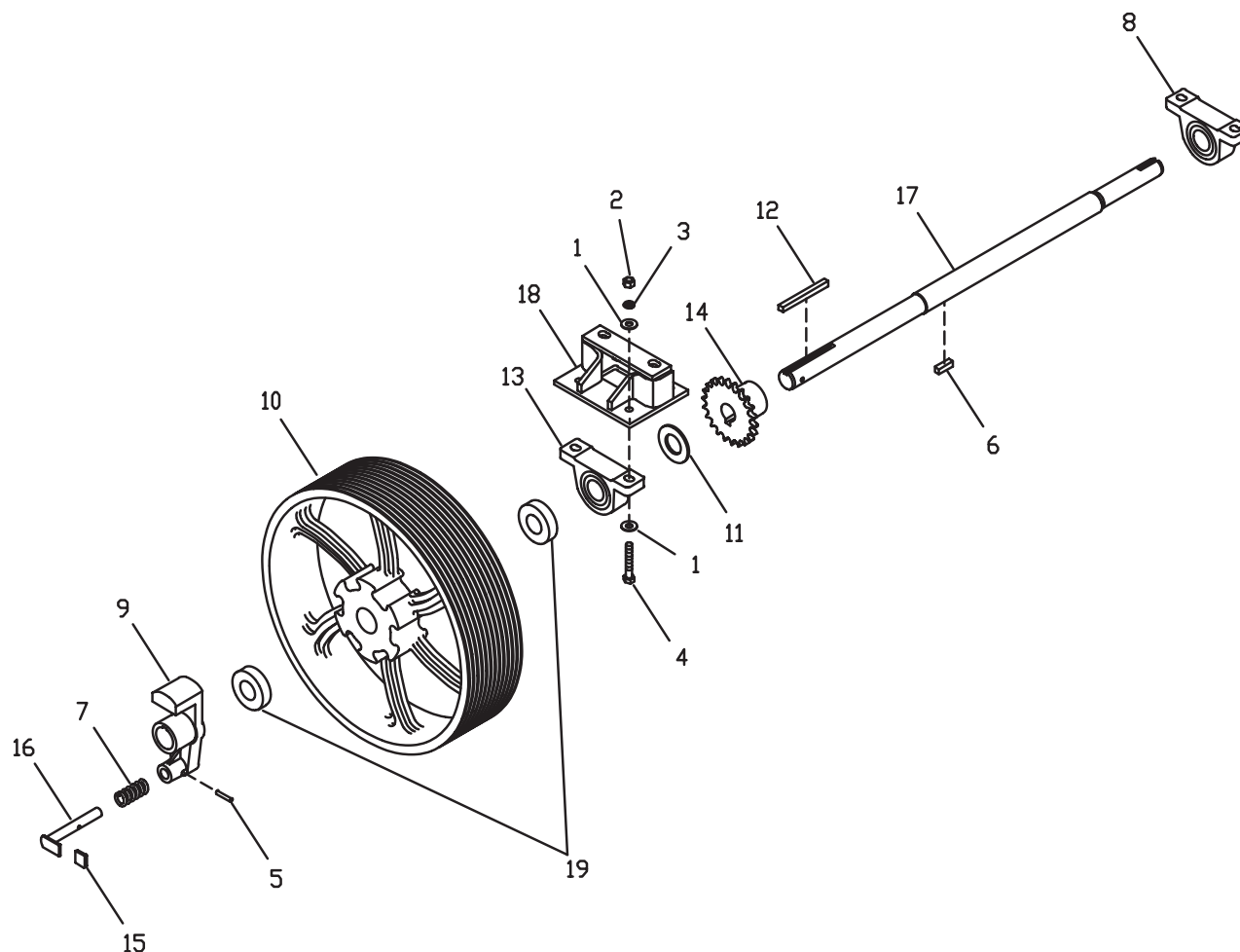
540 RPM DRIVE - 20" HAMMER MILL DRIVE ASSEMBLY

SHOWS ASSEMBLY PM25 - 470610

Item	Part Number	Qty.	Description
1	110390	1	Key, Standard Tapered
2	165500	1	Pulley, 12 Groove
3	172600	1	Belt, 2/3V850 Set of 6
4	354640	1	Implement Driveline Assembly, 540 1-3/8" 6B (See Page 1)
5	470590	1	Jackshaft Assembly, 540 20" Hammer mill (See Page 38)
6	005200	15	Washer, Flat 9/16" x 1-3/8" x 7/64"
7	005360	13	Nut, Hex 1/2"-13
8	005370	7	Washer, Locker 1/2"
9	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
10	E366007	1	Sprocket, Idler 80 - 12 Teeth
11	E096046	4	Bolt, Carriage 1/2"-13 x 1-1/2"
12	034360	1	Pin, Cotter 1/8" x 1"
13	036480	1	Pin, Clevis 5/16" x 3"
14	165600	1	Shield Bracket, Jackshaft Right Hand
15	165610	1	Shield Bracket, Jackshaft Left Hand
16	165660	1	Shield Weldment, Jackshaft Extension
17	470740	1	Chain Assembly, #80 58 Pitches
-	050920	-	Link, Connector #80
-	051690	-	Link, Offset #80
18	013800	2	Bolt, HHCS 1/2"-13 x 5"
19	397690	1	Spacer, 3/4" x 33/64" x 15/32"
20	J03H1593	1	Bolt, Carriage 1/2"-13 x 2-1/2"
21	365270	1	Shield, Back
22	365810	1	Shield, Jackshaft 20" Hammer Mill
23	365850	1	Shield Assembly, Main
24	012140	4	Bolt, HHCS 5/16"-18 x 3/4"
25	012410	8	Bolt, Carriage 5/16"-18 x 3/4"
26	020190	8	Nut, Hex 5/16"-18 Flange Lock
27	022920	12	Washer, Flat 3/8" x 7/8" 5/64"
28	023620	4	Washer, Lock 5/16"
29	467450	1	Decal, Warning Moving Part Hazard
30	384030	1	Decal, Danger 565 RPM
31	368350	1	Decal, Warning Flywheel Drive
32	368040	1	Decal, Caution Safety Instructions
33	361300	1	Decal, Art's-Way Manufacturing Co., Inc. 33"
34	268860	-	Decal, Danger Rotating Driveline
35	021530	1	Key, Square 3/8" x 2"

JACKSHAFT ASSEMBLY, 540 RPM

20" HAMMER MILL FOR USE WITH PM25 - 470590

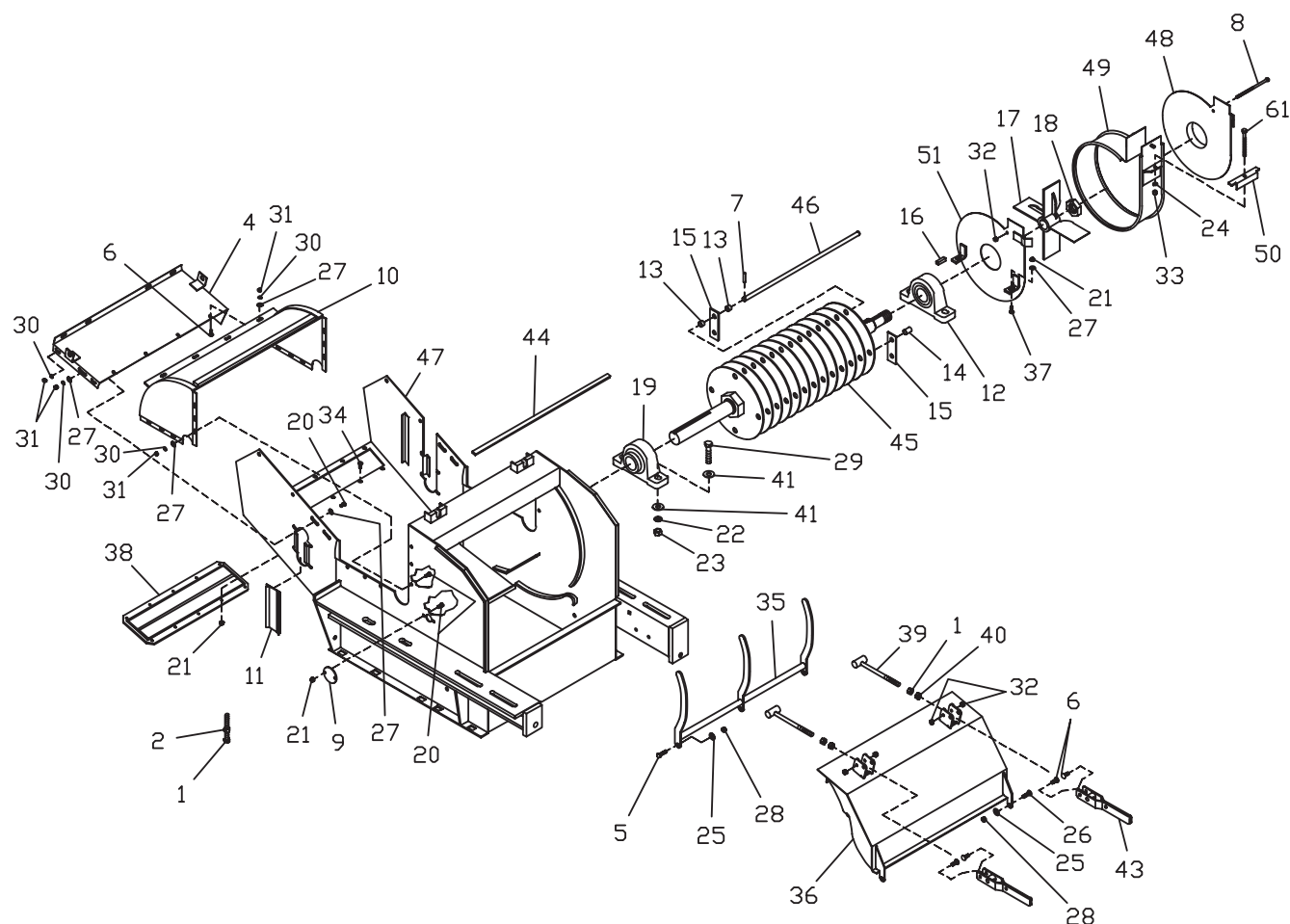


Item	Part Number	Qty.	Description
1	005200	4	Washer, Flat 1/2"
2	005360	2	Nut, Hex 1/2"-13
3	005370	2	Washer, Lock 1/2"
4	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
5	012550	1	Pin, Expansion 1/4" x 1-1/4"
6	013510	1	Key, Square 3/8" x 1-1/4"
7	013580	1	Spring, Compression Drive Clutch
8	013670	1	Bearing, Pillow Block 1-7/16" Housing with Lock Collar
9	013860	1	Clutch, 1-5/8"
10	016750	1	Pulley, 22-39/64" 12 Groove with Bearing
11	041460	1	Washer, Flat 1-5/8" x 2" x 6/64"
12	151280	1	Key, Square 3/8" x 5"
13	165480	1	Bearing, 1-5/8" with Lock Collar
14	470460	1	Sprocket, 80B20
15	204430	1	Grip, Handle Red 1/8" x 1" x 1"
16	241570	1	Pin Assembly, Locking
17	364240	1	Jackshaft, 20" Hammer Mill
18	470410	1	Support, Bearing
19	013930	2	Bearing, 1-5/8" Bore

NOTES

26" HAMMER MILL ASSEMBLY - 362370

SHOWS ASSEMBLY FOR PM35



Item	Part Number	Qty.	Description
1	005360	4	Nut, Hex 1/2"-13
2	034650	4	Bolt, Threaded 1/2"-13 x 3-1/2" Full
3	990870	1	Bolt, HHCS 3/8"-16 x 3-1/2"
4	362770	1	Cover Weldment, 26" Throat
5	012260	2	Bolt, HHCS 3/8"-16 x 1.0"
6	012410	8	Bolt, Carriage 5/16" x 3/4"
7	012550	8	Pin, Expansion 1/3" x 1-1/4"
8	012820	1	Bolt, HHCS 5/6"-18 x 5"
9	012920	1	Plate
10	362730	1	Hood Weldment, 26"
11	013360	2	Slide Weldment

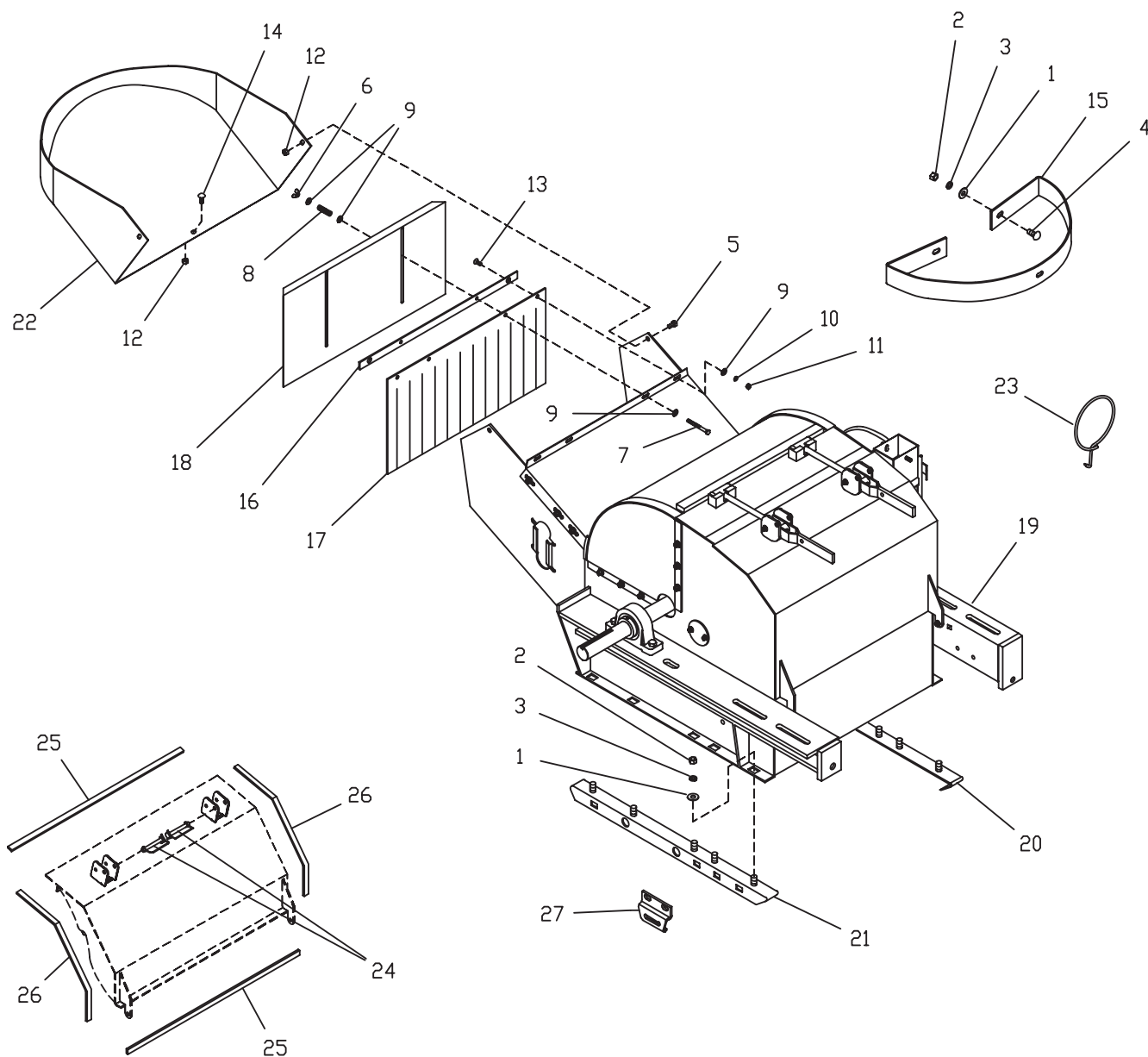
26" HAMMER MILL ASSEMBLY - 362370

SHOWS ASSEMBLY FOR PM35

Item	Part Number	Qty.	Description
12	013420	1	Bearing, Pillow Block 2" with Lock Collar
13	013480	48	Spacer, Split Pipe
14	013490	24	Spacer, Split Pipe
15	013501	48	Hammer, Single
-	169370	1	Hammers, Set of 48
16	013510	1	Key, Square 3/8" x 1-1/4"
17	013520	1	Fan, A37 Blower Machine
18	013530	1	Nut, Jam 1-1/2"-12 Hex Plain
19	013950	1	Bearing, Pillow Block 2" Double Row with Lock Collar
20	012140	20	Bolt, HHCS 5/16"-18 x 3/4"
21	020190	14	Nut, Lock 5/16"-18 Hex Flange
22	020440	4	Washer, Lock 5/8" Regular
23	020450	4	Nut, Hex 5/8"-11
24	021180	1	Washer, Lock 3/8"
25	021190	4	Washer, Flat 7/16" x 1" x 5/64"
26	170530	1	Bolt, Carriage 3/8"-16 x 1"
27	022920	26	Washer, Flat 3/8" x 7/8" x 5/64"
28	023060	4	Nut, Lock 3/8"-16 Disthreaded
29	023110	4	Bolt, HHCS 5/8" x 2-1/2"
30	023620	22	Washer, Lock 5/16"
31	023630	22	Nut, Hex 5/16"-18
32	025670	5	Nut, Lock 5/16"-18 Hex Disthreaded
33	027260	1	Nut, Hex 3/8"-16
34	028230	10	Screw, Threaded 5/16"-18 x 3/4" Grade 2
35	362690	1	Support Weldment, 26" Screen
36	362610	1	Door Weldment, 26" Hammer Mill
37	1111267	2	Bolt, Carriage 5/16"-18 x 1-1/4"
38	113270	1	Magnet, #4 24 Mill
39	127960	2	Bar-T Weldment
40	127890	2	Nut, Lock 1/2"-13 Disthreaded
41	127920	8	Washer, Flat 21/32" x 1-3/8" x 3/16" PLN
42	398230	1	Sealant, Clear 10 oz. Tube
43	151920	2	Handle, Locking Weldment Sub Assembly
44	157670	1	Sealing Strip, 500
45	157830	1	Shaft Assembly, Rotor
46	157840	4	Pin, Hammer Mill 3/4" x 23-1/2"
47	362390	1	Housing Weldment, 26" Hammer Mill
48	170999	1	Plate Weldment, Rear Side
49	171000	1	Wrapper Weldment, Fan Housing
50	170970	1	Clamp, Pull Down
51	170980	1	Plate Weldment, Front Side

26" THROAT ASSEMBLY - 363180

SHOWS ASSEMBLY FOR PM35



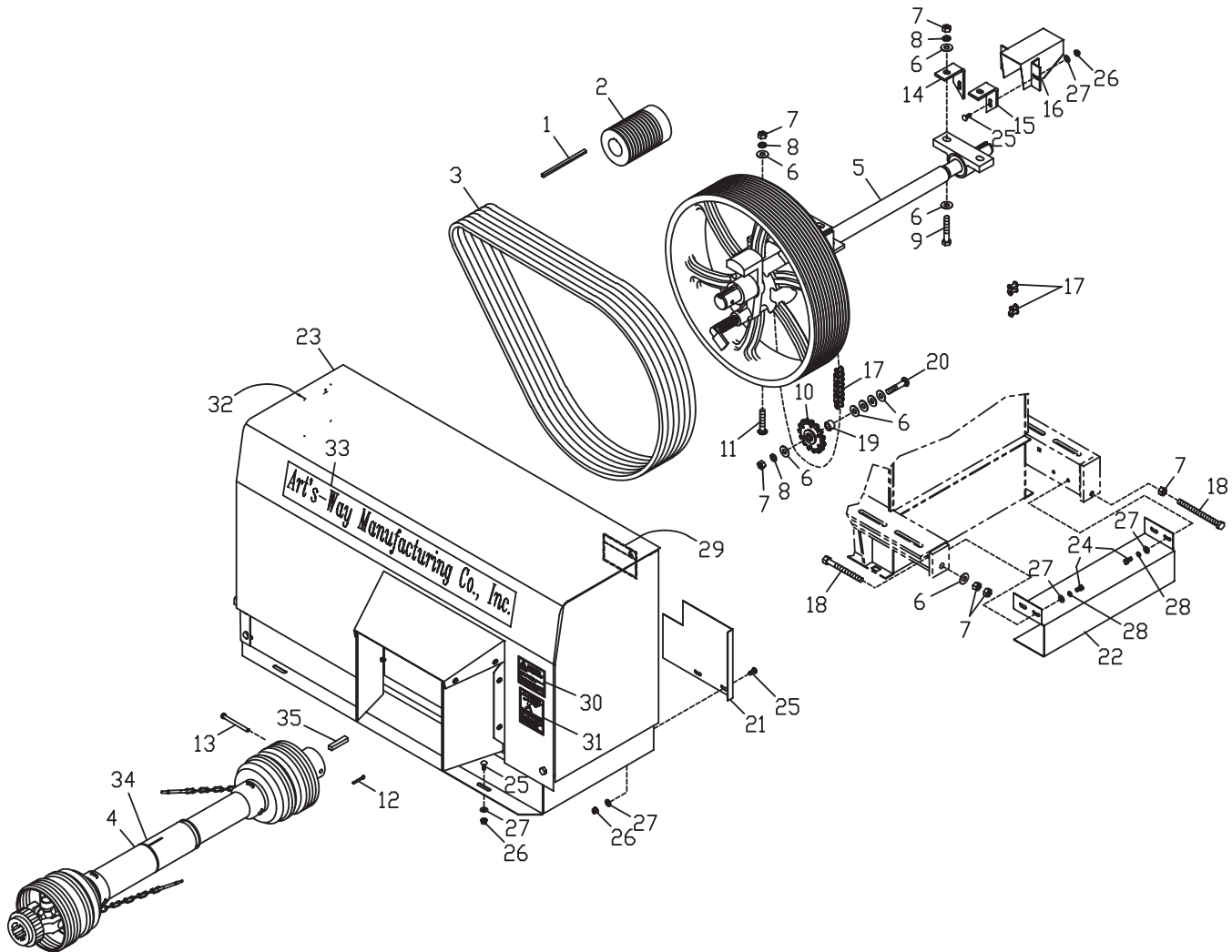
26" THROAT ASSEMBLY - 363180

SHOWS ASSEMBLY FOR PM35

Item	Part Number	Qty.	Description
1	005200	12	Washer, Flat 9/16" x 1-3/8 x 7/64"
2	005360	12	Nut, Hex 1/2"-13
3	005370	12	Washer, Lock 1/2"
4	005390	2	Bolt, Carriage 1/2"-13 x 1"
5	006880	2	Bolt, HHCS 5/16"-18 x 5/8"
6	009790	2	Nut, Wing 5/16"-18 Type A
7	009800	2	Bolt, HHCS 5/16"-18 x 2-1/2"
8	013080	2	Spring, Compression 12 Gauge x 5/8" x 1-7/8"
9	022920	8	Washer, Flat 3/8" x 7/8" x 5/64"
10	023620	2	Washer, Lock 5/16"
11	023630	2	Nut, Hex 5/16"-18
12	020190	3	Nut, Lock 5/16"-18 Hex Flange
13	033080	2	Screw, FHMS 5/16"-18 x 1"
14	035290	1	Bolt, Carriage 5/16"-18 x 5/8"
15	037880	1	Rack
16	158960	1	Strap, Throat
17	158970	1	Flap, Throat
18	158980	1	Plate, Large Feed Grate
19	362370	1	Hammer Mill Assembly
20	362820	1	Angle Weldment, 26" Rear
21	362840	1	Angle Weldment, 26" Front
22	366590	1	Basket Weldment, 26"
23	013120	1	Hook, Screen
24	143710	2	Pin, Snapper 3/8" x 2-1/2"
25	157670	2	Sealing, Strip 500
26	213900	2	Strip, Sealing 1/4" x 5/8" x 20"
27	362570	1	Bracket, Idler

540 RPM DRIVE - 26" HAMMER MILL DRIVE ASSEMBLY

SHOWS ASSEMBLY PM35 - 470630



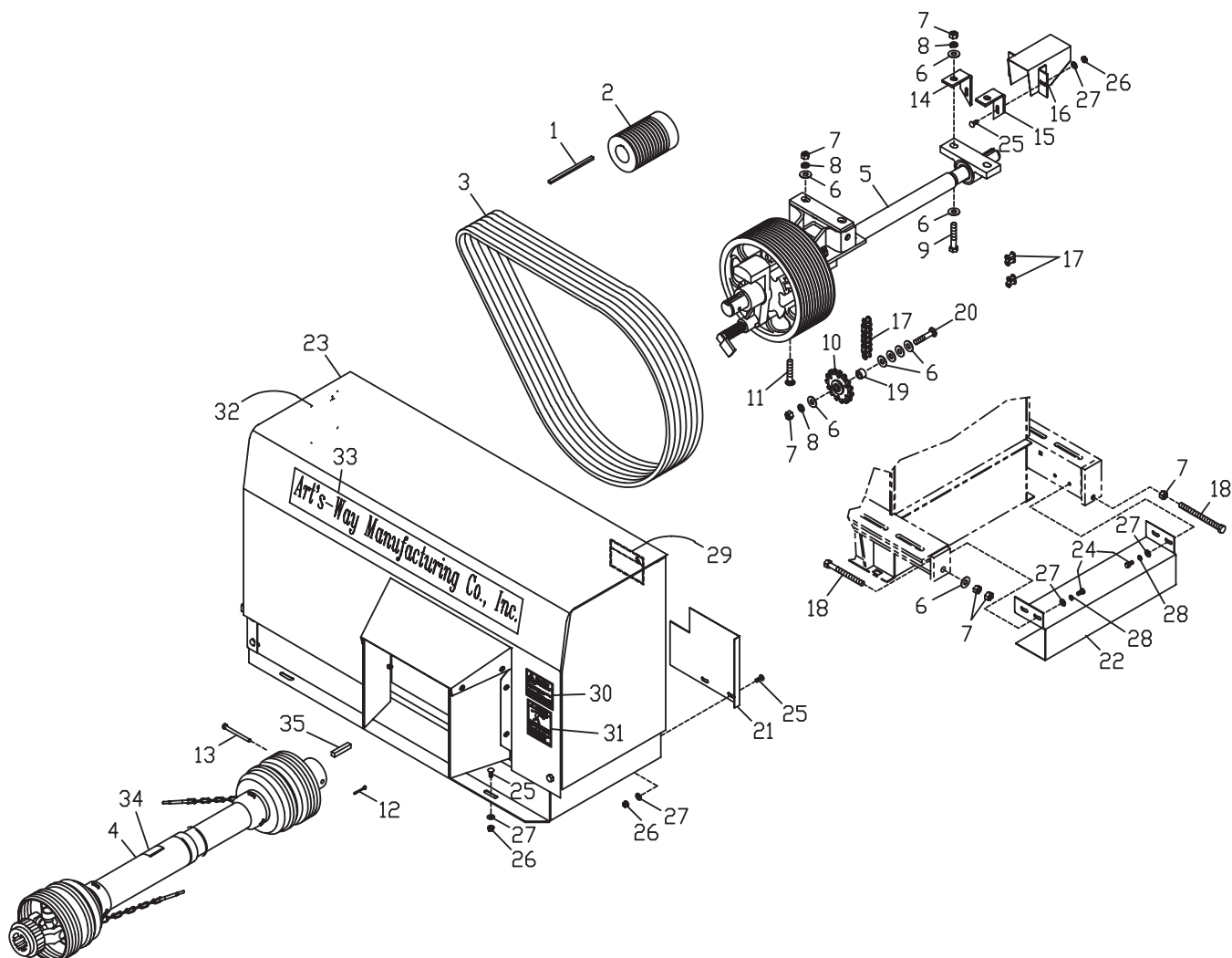
540 RPM DRIVE - 26" HAMMER MILL DRIVE ASSEMBLY

SHOWS ASSEMBLY PM35 - 470630

Item	Part Number	Qty.	Description
1	110390	1	Key, Standard Tapered
2	165500	1	Pulley, 12 Groove
3	172600	1	Belt, 2/3V850 Set of 6
4	354640	1	Implement Driveline Assembly, 540 1-3/8" 6B (See Page 1)
5	470600	1	Jackshaft Assembly, 540 26" Hammer mill (See Page 49)
6	005200	15	Washer, Flat 9/16" x 1-3/8" x 7/64"
7	005360	13	Nut, Hex 1/2"-13
8	005370	7	Washer, Locker 1/2"
9	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
10	E366007	1	Sprocket, Idler 80 - 12 Teeth
11	E096046	4	Bolt, Carriage 1/2"-13 x 1-1/2"
12	034360	1	Pin, Cotter 1/8" x 1"
13	036480	1	Pin, Clevis 5/16" x 3"
14	165600	1	Shield Bracket, Jackshaft Right Hand
15	165610	1	Shield Bracket, Jackshaft Left Hand
16	165660	1	Shield Weldment, Jackshaft Extension
17	470740	1	Chain Assembly, #80 58 Pitches
-	050920	-	Link, Connector #80
-	051690	-	Link, Offset #80
18	013800	2	Bolt, HHCS 1/2"-13 x 5"
19	397690	1	Spacer, 3/4" x 33/64" x 15/32"
20	J03H1593	1	Bolt, Carriage 1/2"-13 x 2-1/2"
21	365270	1	Shield, Back
22	365820	1	Shield, Jackshaft 26" Hammer Mill
23	365850	1	Shield Assembly, Main
24	012140	4	Bolt, HHCS 5/16"-18 x 3/4"
25	012410	8	Bolt, Carriage 5/16"-18 x 3/4"
26	020190	8	Nut, Hex 5/16"-18 Flange Lock
27	022920	12	Washer, Flat 3/8" x 7/8" 5/64"
28	023620	4	Washer, Lock 5/16"
29	467450	1	Decal, Warning Moving Part Hazard
30	384030	1	Decal, Danger 565 RPM
31	368350	1	Decal, Warning Flywheel Drive
32	368040	1	Decal, Caution Safety Instructions
33	361300	1	Decal, Art's-Way Manufacturing Co., Inc. 33"
34	268860	-	Decal, Danger Rotating Driveline
35	021530	1	Key, Square 3/8" x 2"

1000 RPM DRIVE - 26" HAMMER MILL DRIVE ASSEMBLY

SHOWS ASSEMBLY PM35 - 470640



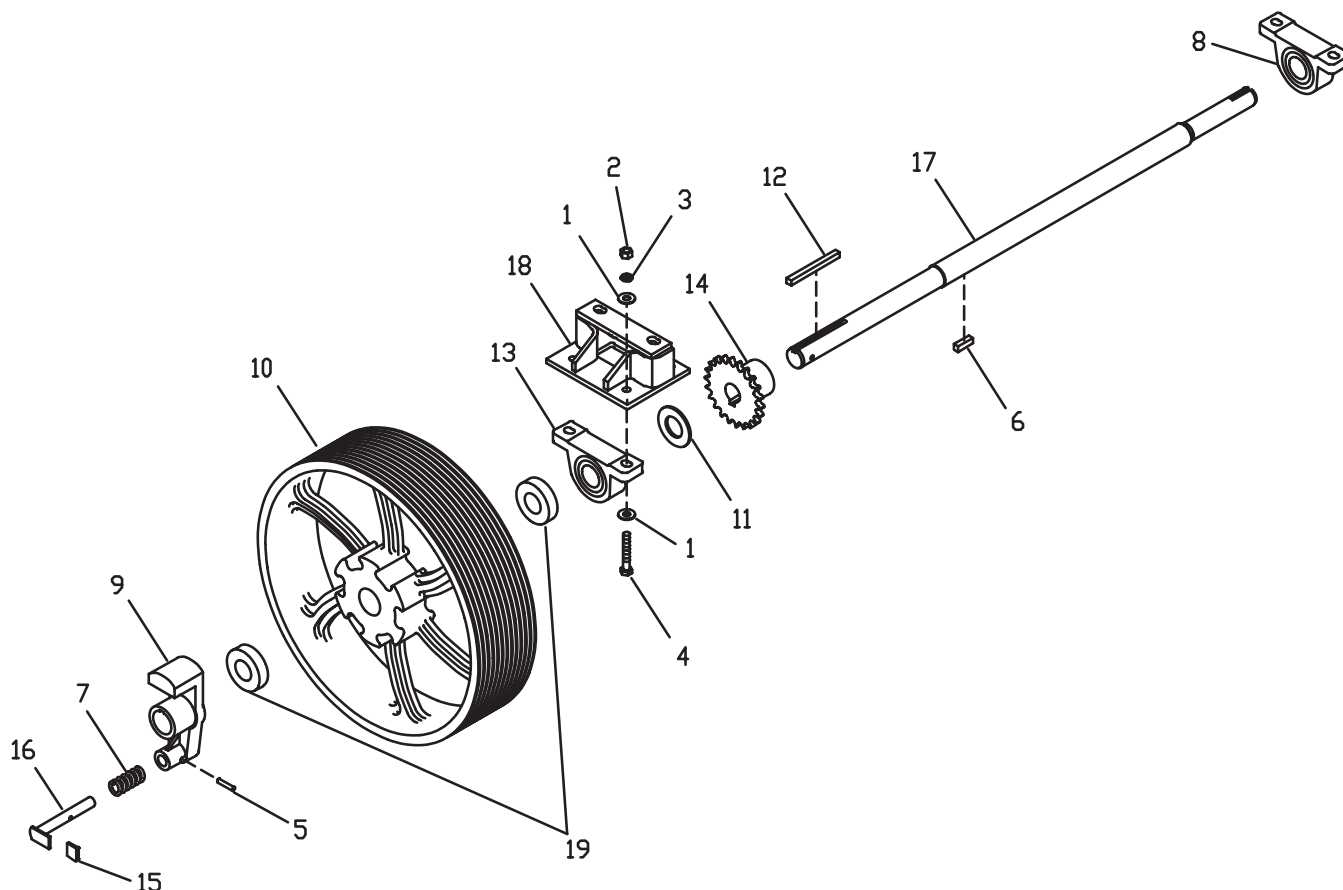
1000 RPM DRIVE - 26" HAMMER MILL DRIVE ASSEMBLY

SHOWS ASSEMBLY PM35 - 470640

Item	Part Number	Qty.	Description
1	110390	1	Key, Standard Tapered
2	165500	1	Pulley, 12 Groove
3	159070	1	Belt, 2/3V670 Set of 6
4	354670	1	Implement Driveline Assembly, 1000 1-3/8" 20/21 Spline (See Page 2)
5	470560	1	Jackshaft Assembly, 1000 26" Hammer Mill (See Page 48)
6	005200	15	Washer, Flat 9/16" x 1-3/8" x 7/64"
7	005360	13	Nut, Hex 1/2"-13
8	005370	7	Washer, Lock 1/2"
9	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
10	E366007	1	Sprocket, Idler 80-12 Teeth
11	E096046	4	Bolt, Carriage 1/2"-13 x 1-1/2"
12	034360	1	Pin, Cotter 1/8" x 1"
13	036480	1	Pin, 5/16" x 3"
14	165600	1	Bracket Shield, Jackshaft Right Hand
15	165610	1	Bracket Shield, Jackshaft Left Hand
16	165660	1	Shield Weldment, Jackshaft Extension
17	470570	1	Chain Assembly, #80 55 Pitches
-	050920	-	Link, Connector #80
-	051690	-	Link, Offset #80
18	013800	2	Bolt, HHCS 1/2"-13 x 5"
19	397690	1	Spacer, 3/4" x 33/64" x 15/32"
20	J03H1593	1	Bolt, Carriage 1/2"-13 x 2-1/2"
21	365270	1	Shield, Back
22	365820	1	Shield, Jackshaft 26" Hammer Mill
23	365850	1	Shield Assembly, Main
24	012140	4	Bolt, HHCS 5/16"-18 x 3/4"
25	012410	8	Bolt, Carriage 5/16"-18 x 3/4"
26	020190	8	Nut, Hex 5/16"-18 Flange Lock
27	022920	12	Washer, Flat 3/8" x 7/8" x 5/64"
28	023620	4	Washer, Lock 5/16"
29	467450	1	Decal, Warning Moving Parts Hazard
30	384020	1	Decal, Danger 1050 RPM
31	368350	1	Decal, Warning Flywheel Drive
32	368040	1	Decal, Caution Safety Instructions
33	361300	1	Decal, Art's-Way Manufacturing Co., Inc. 33"
34	268860	-	Decal, Danger Rotating Driveline
35	021530	1	Key, Square 3/8" x 2"

JACKSHAFT ASSEMBLY, 540 RPM

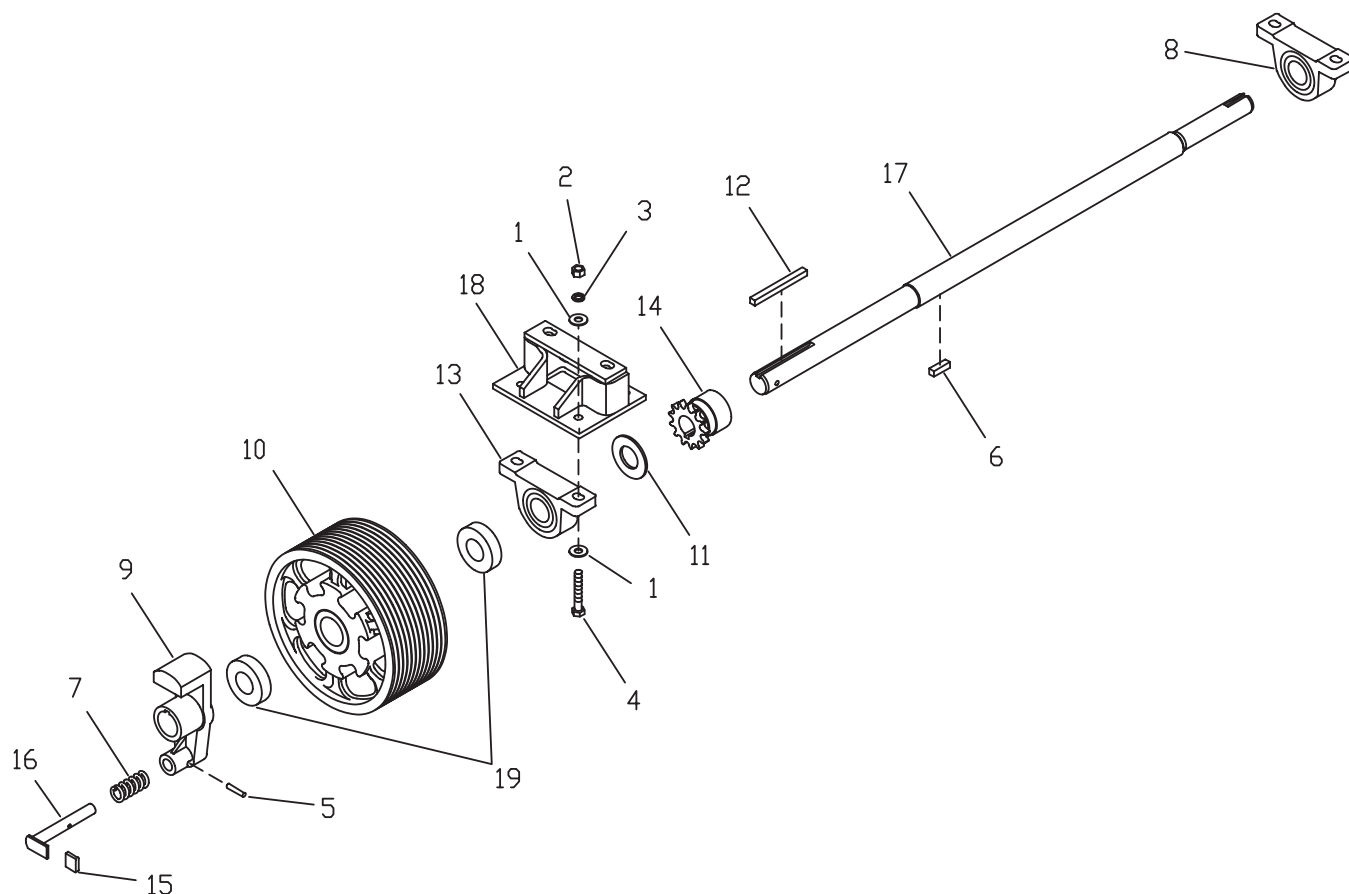
26" HAMMER MILL FOR USE WITH PM35 - 470600



Item	Part Number	Qty.	Description
1	005200	4	Washer, Flat 1/2"
2	005360	2	Nut, Hex 1/2"-13
3	005370	2	Washer, Lock 1/2"
4	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
5	012550	1	Pin, Expansion 1/4" x 1-1/4"
6	013510	1	Key, Square 3/8" x 1-1/4"
7	013580	1	Spring, Compression Drive Clutch
8	013670	1	Bearing, Pillow Block 1-7/16" Housing with Lock Collar
9	013860	1	Clutch, 1-5/8"
10	016750	1	Pulley, 22-39/64" 12 Groove with Bearing
11	041460	1	Washer, Flat 1-5/8" x 2" x 6/64"
12	151280	1	Key, Square 3/8" x 5"
13	165480	1	Bearing, 1-5/8" with Lock Collar
14	470460	1	Sprocket, 80B20
15	204430	1	Grip, Handle Red 1/8" x 1" x 1"
16	241570	1	Pin Assembly, Locking
17	274570	1	Jackshaft, 26" Hammer Mill
18	470410	1	Support, Bearing
19	013930	2	Bearing, 1-5/8" Bore

JACKSHAFT ASSEMBLY, 1000 RPM

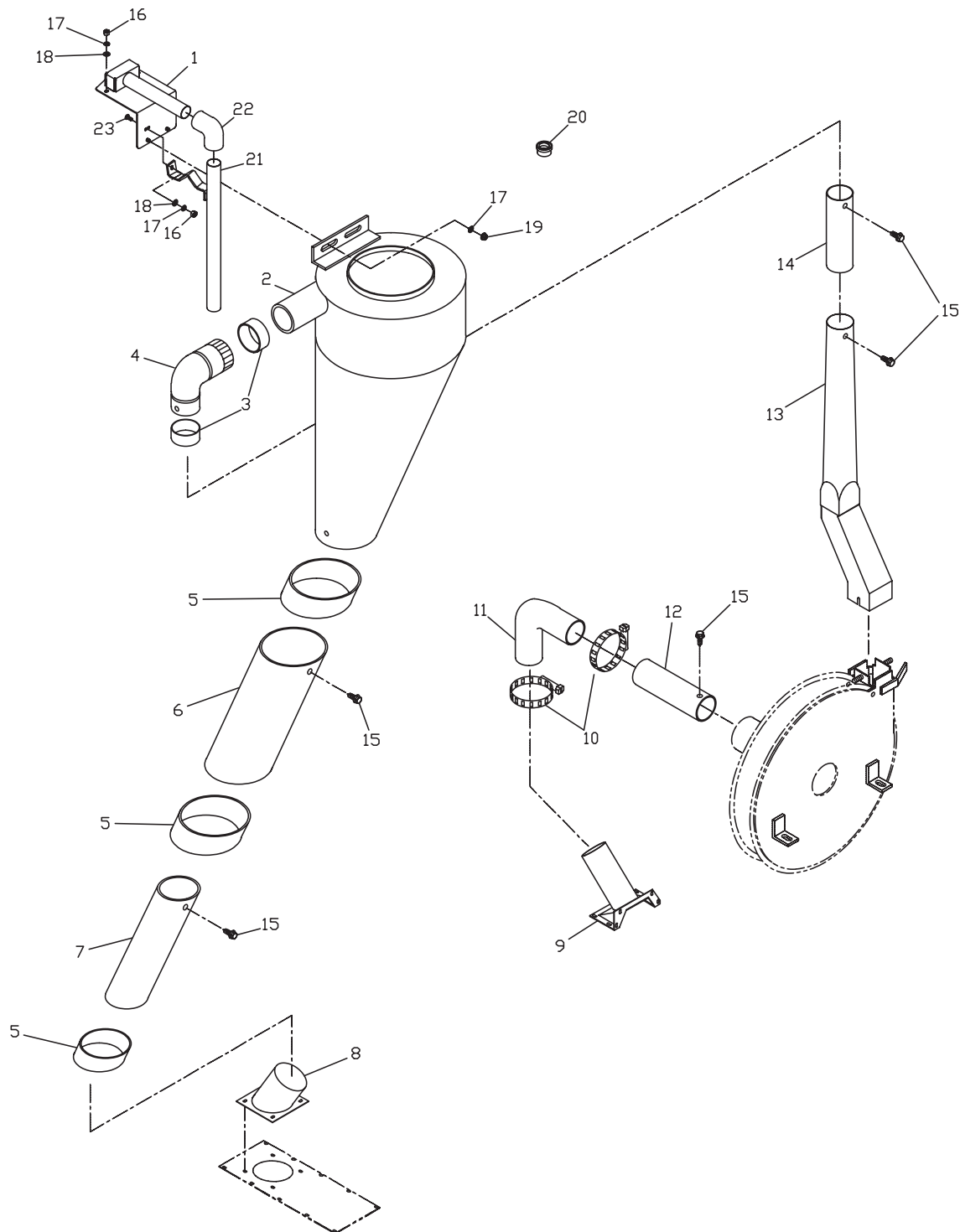
26" HAMMER MILL FOR USE WITH PM35 - 470560



Item	Part Number	Qty.	Description
1	005200	4	Washer, Flat 1/2"
2	005360	2	Nut, Hex 1/2"-13
3	005370	2	Washer, Lock 1/2"
4	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
5	012550	1	Pin, Expansion 1/4" x 1-1/4"
6	013510	1	Key, Square 3/8" x 1-1/4"
7	013580	1	Spring, Compression Drive Clutch
8	013670	1	Bearing, Pillow Block 1-7/16" Housing with Lock Collar
9	013860	1	Clutch, 1-5/8"
10	013870	1	Pulley, 12-19/64" 12 Groove with Bearing
11	126940	2	Washer, Flat 1-5/8" x 2" x 9/64"
12	151280	1	Key, Square 3/8" x 5"
13	165480	1	Bearing, 1-5/8" with Lock Collar
14	470440	1	Sprocket, 80B11
15	204430	1	Grip, Handle Red 1/8" x 1" x 1"
16	241570	1	Pin Assembly, Locking
17	274570	1	Jackshaft, 26" Hammer Mill
18	470410	1	Support, Bearing
19	013930	2	Bearing, 1-5/8" Bore

AIR SYSTEM, OFFSET 6" - 471020

FOR USE WITH PM25 & PM35



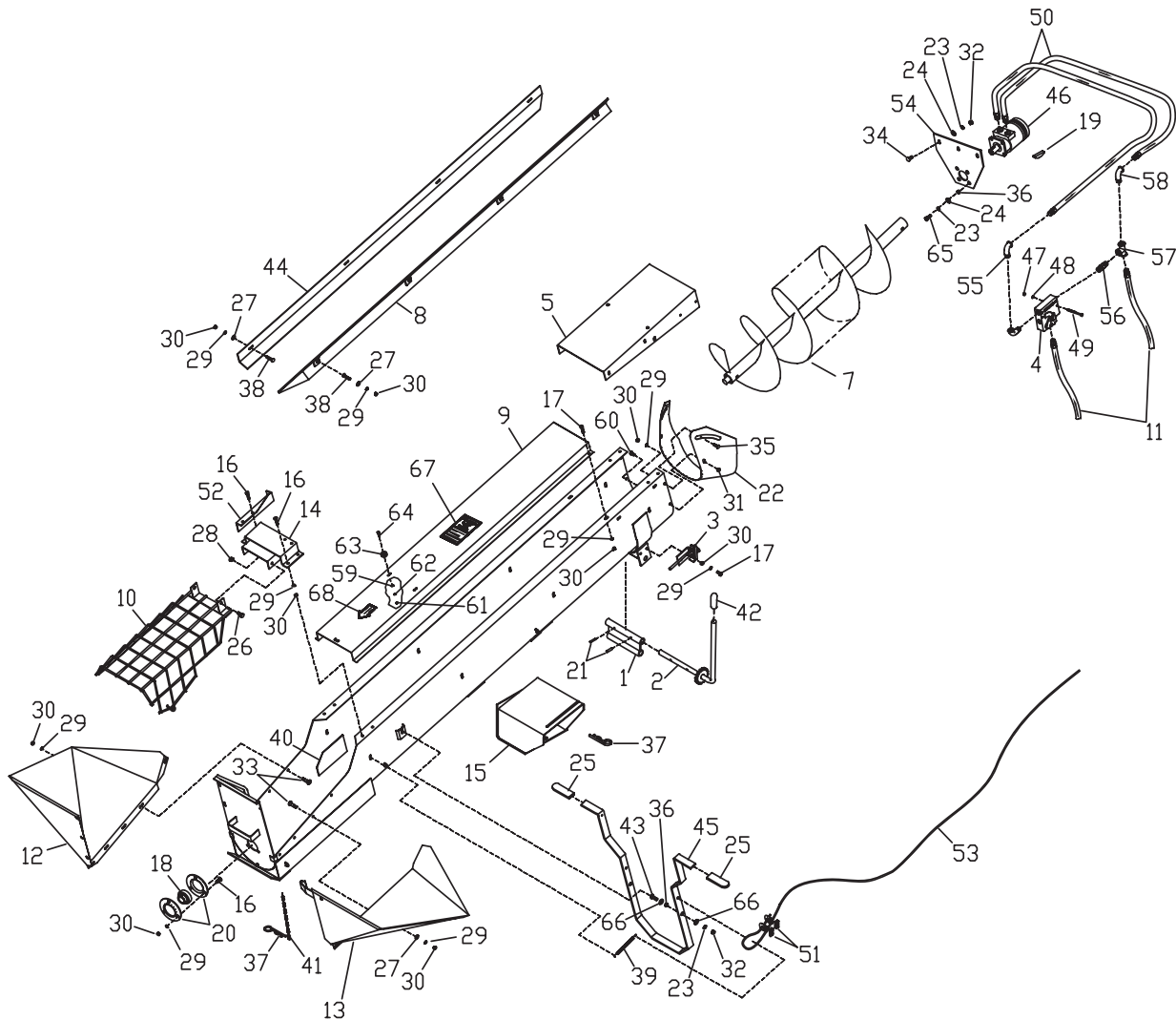
AIR SYSTEM, OFFSET 6" - 471020

FOR USE WITH PM25 & PM35

Item	Part Number	Qty.	Description
1	471040	1	Weldment Bracket, Tank
2	366150	1	Collector Assembly, Dust
3	185880	3	Band, 4" Rubber
4	188390	1	Elbow, 4" 90° Corrugated
5	254160	3	Band, 6" Rubber
6	165870	1	Coupler, Pipe
7	165440	1	Extension, Pipe Coupler
8	366160	1	Cover Weldment
9	366180	1	Angle Weldment
10	205920	2	Clamp, Hose
11	205910	1	Elbow, Fan Inlet
12	366130	1	Tube, Air (Model PM25 Only)
13	366090	1	Pipe Assembly, Vertical
14	366140	1	Tube, Extension
15	205940	15	Screw
16	027260	4	Nut, Hex 3/8"-16
17	021180	4	Washer, Lock 3/8"
18	021190	6	Washer, Flat 3/8"
19	020180	2	Nut, Lock 3/8"-16
20	E276028	1	Cap, Pipe
21	471090	1	Tube and Bracket Weldment
22	128500	1	Elbow, 90° Hose 2"
23	170530	1	Bolt, Carriage 3/8" x 1"

HYDRAULIC AUGER FEEDER ASSEMBLY - 367030

FOR USE WITH PM25 & PM35



Item	Part Number	Qty.	Description
1	150810	1	Bracket Weldment, Extension
2	150820	1	Lever and Ratchet Weldment
3	150840	1	Stop and Holder Assembly
4	161510	1	Valve Assembly, Hydraulic Flow Control (see page 69)
5	164630	1	Plate Weldment, Hydraulic Auger Feeder Top
6	206750	1	Housing Weldment, Auger Feeder
7	206760	1	Auger Weldment, 10" Left Hand Hydraulic Drag
8	206770	1	Angle Weldment, Right Hand Auger Feeder
9	206790	1	Cover Weldment, Hydraulic Auger Feeder Upper
10	210440	1	Grate Weldment, Auger Feeder
11	007350	2	Hose, Hydraulic 1/2" x 200"
12	210830	1	Hopper Weldment, Stationary Auger Feeder
13	210810	1	Hopper Weldment, Folding Auger Feeder
14	210850	1	Channel Weldment, Auger Feeder Grate Mounting
15	378940	1	Mount Weldment, Drag
16	005900	6	Bolt, HHCS 5/16"-18 x 1"
17	012140	18	Bolt, HHCS 5/16"-18 x 3/4"
18	1794302	1	Bearing Assembly, 1" Adapter SOD

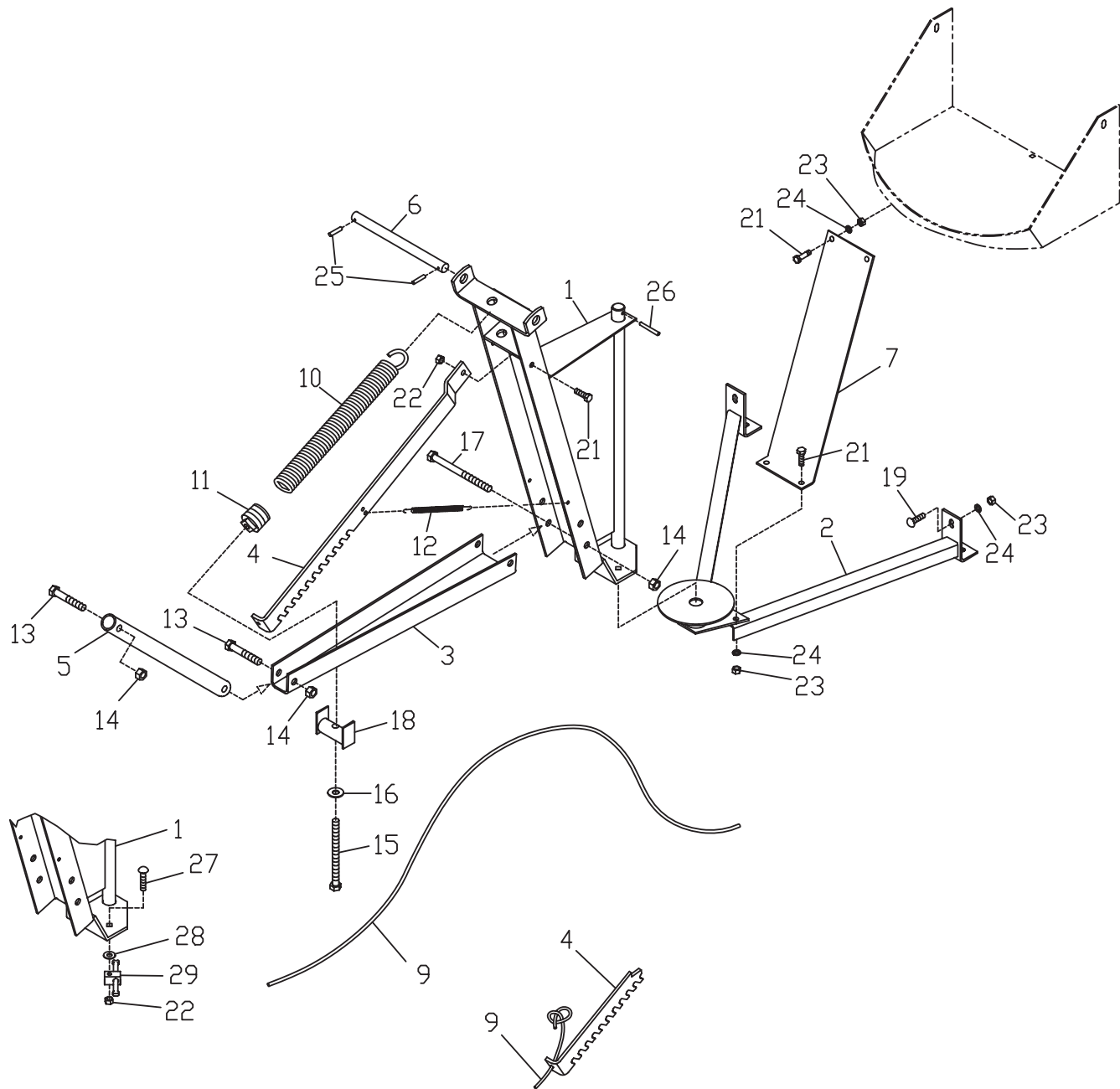
HYDRAULIC AUGER FEEDER ASSEMBLY - 367030

FOR USE WITH PM25 & PM35

Item	Part Number	Qty.	Description
19	006180	1	Key, Woodruff 1/4" x 1" (Included in Motor, Item 46)
20	012330	2	Flangette, Bearing 1" 3-Bolt Round
21	012550	2	Pin, Expansion 1/4" x 1-1/4"
22	015060	1	Housing, Down Spout Auger
23	021180	19	Washer, Lock 3/8"
24	021190	17	Washer, Flat 7/16" x 1" x 5/64"
25	021560	2	Grip, Clutch Handle Red
26	022420	2	Bolt, HHCS 3/8"-16 x 3/4"
27	022920	28	Washer, Flat 3/8" x 7/8" x 5/64"
28	023060	3	Nut, Lock 3/8"-16 Hex
29	023620	38	Washer, Lock 5/16"
30	023630	44	Nut, Hex 5/16"-18
31	025670	2	Nut, Lock 5/16"-18 Hex
32	027260	15	Nut, Hex 3/8"-16
33	028230	9	Screw, Machine 5/16" x 3/4"
34	032970	3	Bolt, Carriage 5/16"-18 x 1" Grade 2
35	033320	2	Bolt, Step 5/16"-18 x 3/4" Grade 2
36	033460	6	Spacer, 3/8" x 9/32"
37	035830	2	Pin, Cotter 3/16" x 3"
38	049290	4	Bolt, Carriage 5/16"-18 x 1-1/4" Grade 2
39	100750	2	Spring, Extension 7/16" x 5-3/4"
40	123900	1	Seal, Drag Feeder Rubber
41	143700	1	Chain, #16 Single Jack
42	150940	1	Grip, Round Handle
43	170530	5	Bolt, Carriage 3/8"-16 x 1"
44	206780	1	Angle, Left Side Drag
45	210860	1	Handle, Auger Feeder Clutch
46	014280	1	Motor, Hydraulic 12 cu. in. Displacement
47	027660	2	Nut, Hex 1/4"-20
48	029440	2	Washer, Lock 1/4"
49	031560	2	Bolt, HHCS 1/4"-20 x 2-1/2"
50	041740	2	Hose, Hydraulic 1/2" x 16" 100R2
51	129260	1	Clip, 1/8" Malleable Wire Roping
52	152310	1	Bracket, Lever Stop Hydraulic Connector
53	159830	1	Cable, 1/8" OD x 80"
54	164620	1	Plate, Hydraulic Motor Mount
55	166230	2	Elbow, Hydraulic Straight 1/2" NPTF x 90°
56	166250	2	Fitting, Hydraulic Nipple 1/2" NPT
57	166290	1	Adapter, Tee
58	270620	1	Adapter, Steel Elbow 1/2"-15 x 45°
59	W144750056	2	Washer, Flat #10
60	006880	2	Bolt, HHCS 5/16"-18 x 5/8"
61	120590	2	Nut, Hex #10-24 Grade 2
62	120600	2	Washer, Lock #10
63	212510	2	Bumper, Rubber
64	991120	2	Screw, RHMS #10-24 x 3/4" Grade 2
65	012260	4	Bolt, HHCS 3/8"-16 x 1"
66	012270	4	Washer, Flat 13/32" x 1-3/4" x 9/64"
67	383990	1	Decal, Danger Auger Feeder Grate
68	158520	1	Decal, Auger Feeder Stop

SPRING SUPPORT ASSEMBLY - 3670201

FOR USE WITH PM25



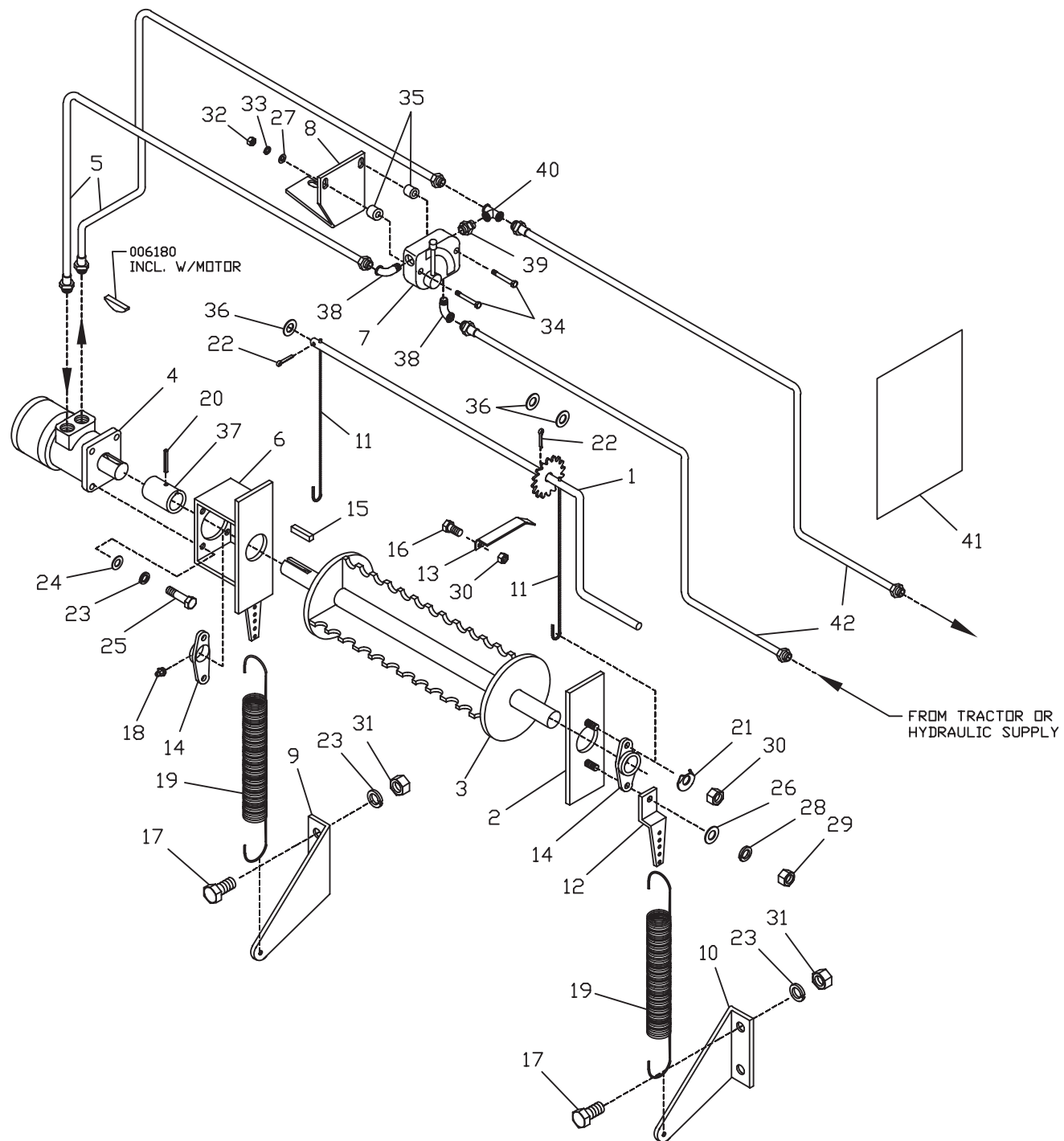
SPRING SUPPORT ASSEMBLY - 3670201

FOR USE WITH PM25

Item	Part Number	Qty.	Description
1	206730	1	Swivel Weldment, Drag Support
2	366560	1	Support Weldment, Bottom
3	152870	1	Channel, Ratchet Lower Mounting
4	152880	1	Bar, Ratchet
5	131960	1	Link, Spring Assist Vertical
6	015120	1	Pin, Drag 3/4" x 10"
7	377840	1	Strap, Reinforcement
8	-	-	-
9	211490	1	Rope, Polypropylene 102"
10	113470	1	Spring, 2" x 14"
11	113490	1	Nut, Spring Retaining 1/2"-13
12	100750	1	Spring, Extension 7/16" x 5-3/4"
13	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
14	127890	3	Nut, Lock 1/2"-13 Hex
15	013800	1	Bolt, HHCS 1/2"-13 x 5" Special
16	005200	1	Washer, Flat 1/2"
17	160350	1	Bolt, HHCS 1/2"-13 x 5"
18	161540	1	Pin Weldment, Pivot
19	032840	6	Bolt, Carriage 3/8"-16 x 3/4"
20	-	-	-
21	012260	5	Bolt, HHCS 3/8"-16 x 1"
22	023060	2	Nut, Lock 3/8"-16
23	027260	10	Nut, Hex 3/8"-16
24	021180	10	Washer, Lock 3/8"
25	026630	2	Pin, Cotter 5/32" x 1-1/2"
26	013600	1	Pin, Roll 1/4" x 2"
27	012420	1	Bolt, Carriage 3/8"-16 x 1-1/2" Grade 2
28	012270	1	Washer, Flat 3/8" x 1-3/4"
29	160560	1	Handle Assembly, Brake

20" HYDRAULIC ROLL FEEDER - 367200

WITHOUT AUGER FEEDER, FOR USE WITH PM25



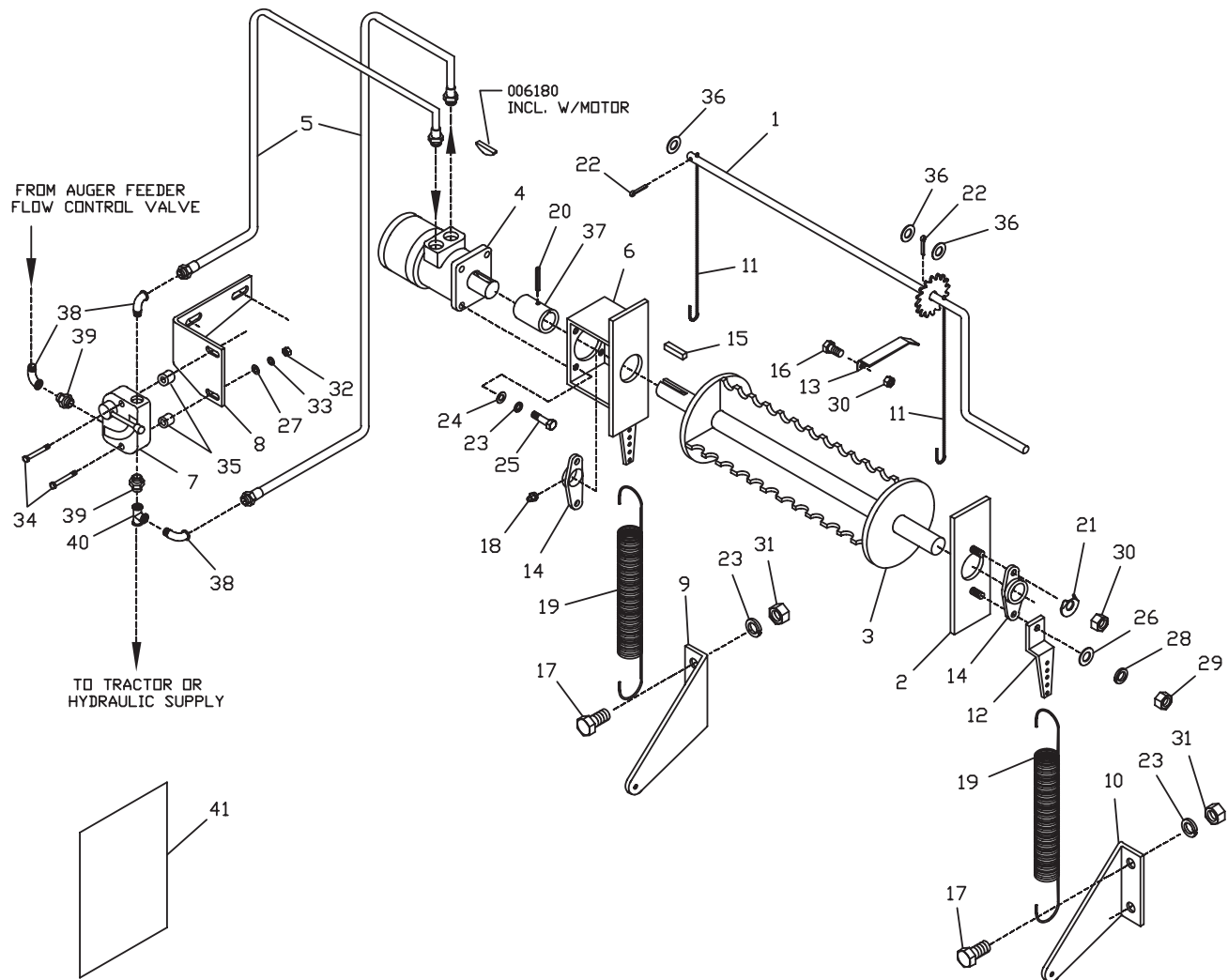
20" HYDRAULIC ROLL FEEDER - 367200

WITHOUT AUGER FEEDER, FOR USE WITH PM25

Item	Part Number	Qty.	Description
1	007960	1	Crank Weldment
2	013330	1	Plate Weldment, Sliding Roll
3	013340	1	Rotor Weldment, Mill Throat
4	014280	1	Motor, Hydraulic 12 Cu. In. Displacement
5	046640	2	Hose, Hydraulic 1/2" x 30" Male Swivel (2)
6	160130	1	Mount Weldment, Roll Feed Motor
7	161510	1	Valve Assembly, Hydraulic Flow Control
8	213000	1	Bracket, Flow Control without Auger Feeder
9	366920	1	Bracket, Left Lower
10	366930	1	Bracket, Right Lower
11	007880	2	Cable, Roll Feed Adjustment 1/8" OD x 7" x 19" x 12"
12	007900	1	Bracket, Upper Spring
13	007930	1	Lock, Roll Feed Ratchet
14	011200	2	Bearing, Roll Feed
15	011530	1	Key, Square 1/4" x 1-1/4"
16	012140	1	Bolt, HHCS 5/16"-18 x 3/4"
17	012260	4	Bolt, HHCS 3/8"-16 x 1"
18	013170	2	Zerk, 1/8"-27 NPT Short Grease
19	017200	2	Spring, Roll Feed Only
20	018920	1	Pin, Roll 1/4" x 1-3/4" Tension
21	019050	2	Washer, Lock 5/16" x 1" x 17 Gauge Special
22	020700	2	Pin, Cotter 5/32" x 1"
23	021180	8	Washer, Lock 3/8"
24	021190	8	Washer, Flat 3/8"
25	022420	4	Bolt, HHCS 3/8"-16 x 3/4"
26	022920	4	Washer, Flat 5/16"
27	023260	2	Washer, Flat 1/4"
28	023620	4	Washer, Lock 5/16"
29	023630	4	Nut, Hex 5/16"-18
30	025670	3	Nut, Hex 5/16"-18 2-way Lock
31	027260	4	Nut, Hex 3/8"-16
32	027660	2	Nut, Hex 1/4"-20
33	029440	2	Washer, Lock 1/4"
34	031560	2	Bolt, HHCS 1/4"-20 x 2-1/2"
35	033460	2	Spacer, 3/8" x 9/32"
36	035210	4	Washer, Flat 5/8"
37	160140	1	Collar, Shaft Roll Feed
38	166230	3	Elbow, Hydraulic 1/2" NPTF x 90°
39	166250	2	Fitting, Hydraulic Nipple 1/2 NPT Hex
40	166290	1	Adapter, Tee
41	367230	1	Instructions, Install Roll Feed
42	164560	2	Hose, Hydraulic 1/2" x 120"

20" HYDRAULIC ROLL FEEDER - 367460

WITH AUGER FEEDER, FOR USE WITH PM25



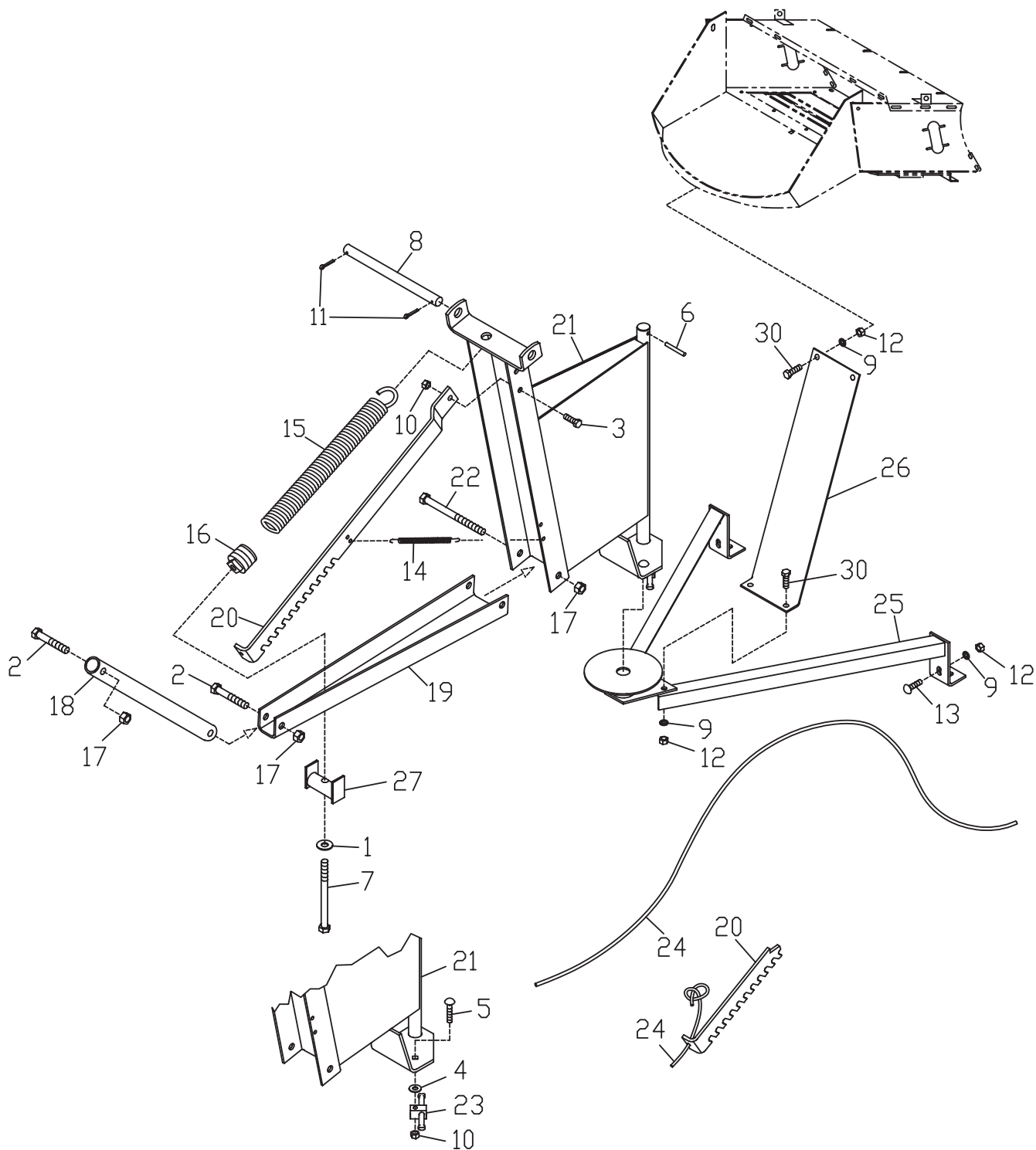
20" HYDRAULIC ROLL FEEDER - 367460

WITH AUGER FEEDER, FOR USE WITH PM25

Item	Part Number	Qty.	Description
1	007960	1	Crank Weldment
2	013330	1	Plate Weldment, Sliding Roll
3	013340	1	Rotor Weldment Mill Throat
4	014280	1	Motor, Hydraulic 12 Cu. In Displacement
5	023170	2	Hose, Hydraulic 1/2" x 55"
6	160130	1	Mount Weldment, Roll Feed Motor
7	161510	1	Valve Assembly, Hydraulic Flow Control
8	212660	1	Bracket, Selector Valve with Auger Feeder
9	366920	1	Bracket, Left Lower
10	366930	1	Bracket, Right Lower
11	007880	2	Cable, 1/8" x 7" x 12"
12	007900	1	Bracket, Upper Spring
13	007930	1	Lock, Roll Feed Ratchet
14	011200	2	Bearing, Roll Feed
15	011530	1	Key, Square 1/4" x 1-1/4"
16	012140	1	Bolt, HHCS 5/16"-18 x 3/4"
17	012260	4	Bolt, HHCS 3/8"-16 x 1"
18	013170	2	Zerk, 1/8" -27 NPT Short Grease
19	017200	2	Spring, Roll Feed Only
20	018920	1	Pin, Roll 1/4" x 1-3/4" Tension
21	019050	2	Washer, Lock 5/16" x 1" x 17 Gauge Special
22	020700	2	Pin, Cotter 5/32" x 1"
23	021180	8	Washer, Lock 3/8"
24	021190	8	Washer, Flat 3/8"
25	022420	4	Bolt, HHCS 3/8"-16 x 3/4"
26	022920	4	Washer, Flat 5/16"
27	023260	2	Washer, Flat 1/4"
28	023620	4	Washer, Lock 5/16"
29	023630	4	Nut, Hex 5/16"-18
30	025670	3	Nut, Lock 5/16"-18 2-way Hex
31	027260	4	Nut, Hex 3/8"-16
32	027660	2	Nut, Hex 1/4"-20
33	029440	2	Washer, Lock 1/4"
34	031560	2	Bolt, HHCS 1/4"-20 x 2-1/2"
35	033460	2	Spacer, 3/8" x 9/32"
36	035210	4	Washer, Flat 5/8"
37	160140	1	Collar, Shaft Roll Feed
38	166230	3	Elbow, Hydraulic 1/2" NPTF x 90°
39	166250	2	Fitting, Hydraulic Nipple 1/2" NPT Hex
40	166290	1	Adapter, Tee
41	367230	1	Instructions, Install Roll Feed

SPRING SUPPORT ASSEMBLY - 3670301

FOR USE WITH PM35



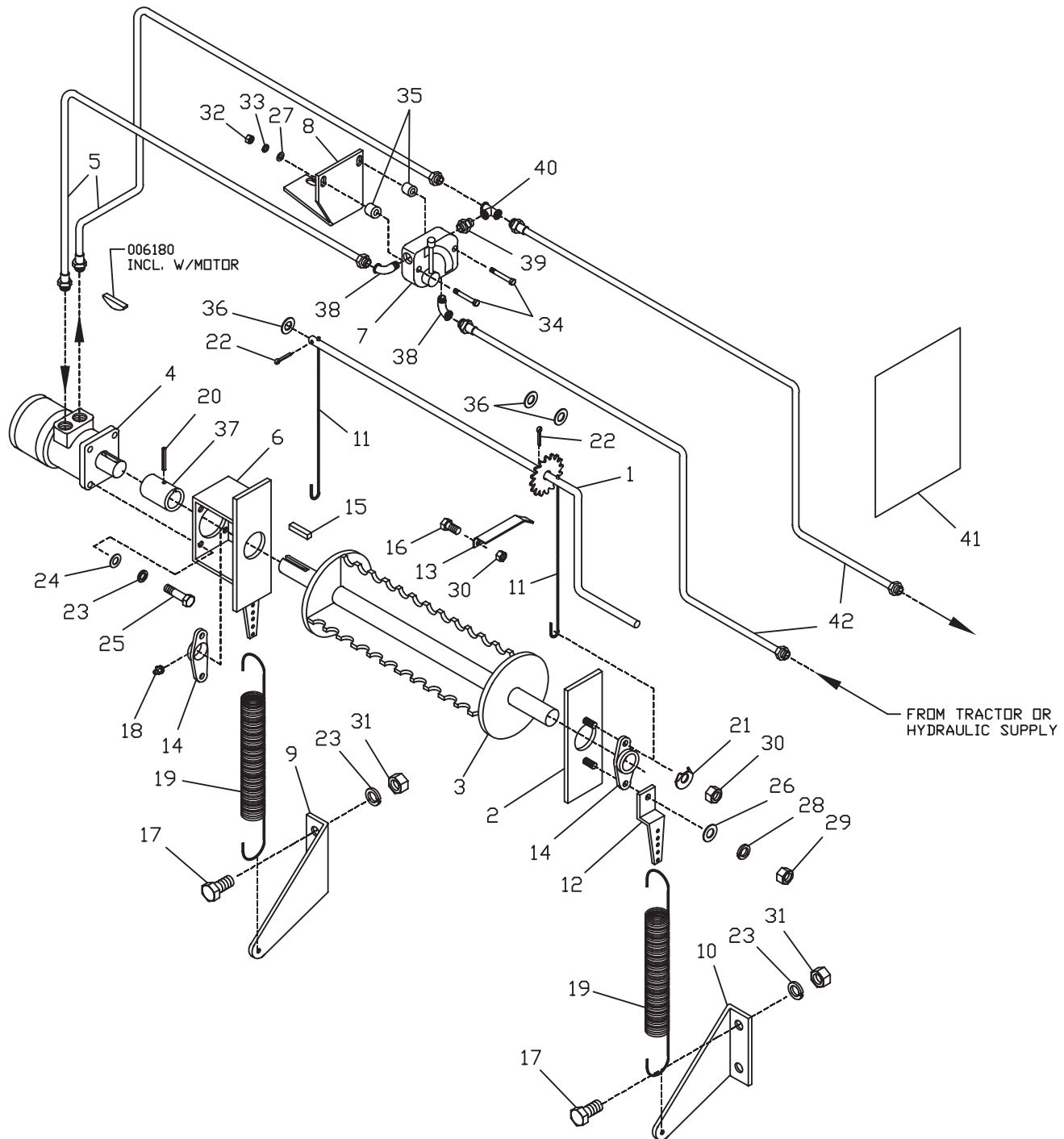
SPRING SUPPORT ASSEMBLY - 3670301

FOR USE WITH PM35

Item	Part Number	Qty.	Description
1	005200	1	Washer, Flat 9/16" x 1-3/8" x 7/64"
2	007080	2	Bolt, HHCS 1/2"-13 x 2-1/2"
3	012260	5	Bolt, HHCS 3/8"-16 x 1"
4	012270	1	Washer, Flat 13/32" x 1-3/4" x 9/64"
5	012420	1	Bolt, Carriage 3/8"-16 x 1-1/2"
6	013600	1	Pin, Expansion 1/4" x 2
7	013800	1	Bolt, HHCS 1/2"-13 x 5"
8	015120	1	Pin, Drag
9	021180	10	Washer, Lock 3/8"
10	023060	2	Nut, Lock 3/8"-16 Hex
11	026630	2	Pin, Cotter 5/32" x 1-1/2"
12	027260	10	Nut, Hex 3/8"-16
13	032840	6	Bolt, Carriage 3/8"-16 x 3/4"
14	100750	1	Spring, Extension
15	113470	1	Spring, 2" x 14"
16	113490	1	Nut, Spring Retaining
17	127890	3	Nut, Lock 1/2"-13 Hex
18	131960	1	Link, Spring Assist Vertical
19	152870	1	Channel, Ratchet Lever Mounting
20	152880	1	Bar, Ratchet
21	159810	1	Support Weldment, Auger Feeder Swivel
22	160350	1	Bolt, HHCS 1/2"-13 x 5"
23	160560	1	Handle Assembly, Brake
24	211490	1	Rope, Polypropylene 102"
25	366470	1	Support Weldment, 26" Lower
26	379430	1	Strap, Reinforcement Mill To Swivel Support
27	161540	1	Pin Weldment, Pivot

26" HYDRAULIC ROLL FEEDER - 367210

WITHOUT AUGER FEEDER, FOR USE WITH PM35



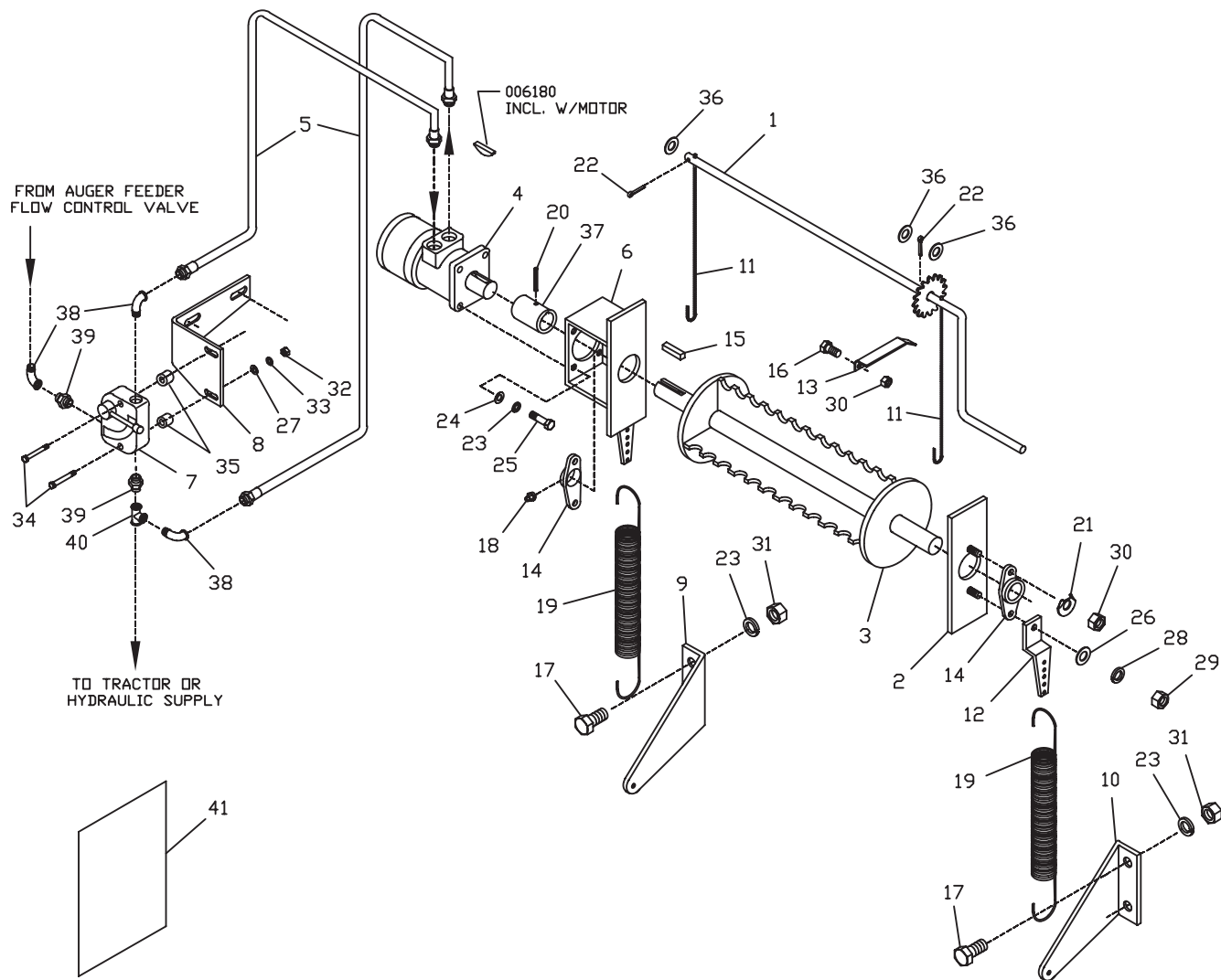
26" HYDRAULIC ROLL FEEDER - 367210

WITHOUT AUGER FEEDER, FOR USE WITH PM35

Item	Part Number	Qty.	Description
1	160120	1	Crank Weldment, Roll Feed
2	103330	1	Plate Weldment, Sliding Roll
3	160110	1	Rotor Weldment, Roll Feed
4	014280	1	Motor, Hydraulic 12 Cu. In. Displacement
5	046640	2	Hose, Hydraulic 1/2" NPT x 30" Male Swivel
6	160130	1	Mount Weldment, Roll Feed Motor
7	161510	1	Valve Assembly, Hydraulic Flow Control
8	213000	1	Bracket, Flow Control without Auger Feeder
9	366920	1	Bracket, Left Lower
10	366930	1	Bracket, Right Lower
11	007880	2	Cable, 1/8" x 7" x 19" x 12"
12	007900	1	Bracket, Upper Spring
13	007930	1	Lock, Roll Feed Ratchet
14	011200	2	Bearing, Roll Feed
15	011530	1	Key, Square 1/4" x 1-1/4"
16	012140	1	Bolt, HHCS 5/16"-18 x 3/4"
17	012260	4	Bolt, HHCS 3/8"-16 x 1"
18	013170	2	Zerk, 1/8"-27 NPT Short Grease
19	017200	2	Spring, Roll Feed Only
20	018920	1	Pin, Roll 1/4" x 1-3/4" Tension
21	019050	2	Washer, Lock 5/16" Special
22	020700	2	Pin, Cotter 5/32" x 1" Chisel Point
23	021180	8	Washer, Lock 3/8"
24	021190	8	Washer, Flat 3/8"
25	022420	4	Bolt, HHCS 3/8"-3/4"
26	022920	4	Washer, Flat 5/16"
27	023260	2	Washer, Flat 1/4"
28	023620	4	Washer, Lock 5/16"
29	023630	4	Nut, Hex 5/16"-18
30	025670	3	Nut, Lock 5/16"-18 Hex
31	027260	4	Nut, Hex 3/8"-16
32	027660	2	Nut, Hex 1/4"-20
33	029440	2	Washer, Lock 1/4"
34	031560	2	Bolt, HHCS 1/4"-20 x 2-1/2"
35	033460	2	Spacer, 3/8" x 9/32"
36	035210	4	Washer, Flat 5/8"
37	160140	1	Collar, Shaft Roll Feed
38	166230	3	Elbow, Hydraulic 1/2" NPTF x 90°
39	166250	2	Fitting, Hydraulic Nipple 1/2" NTPF Hex
40	166290	1	Adapter, Tee
41	367230	1	Instructions, Install Roll Feed
42	164560	2	Hose, Hydraulic 1/2" x 120"

26" HYDRAULIC ROLL FEEDER - 367190

WITH AUGER FEEDER, FOR USE WITH PM35



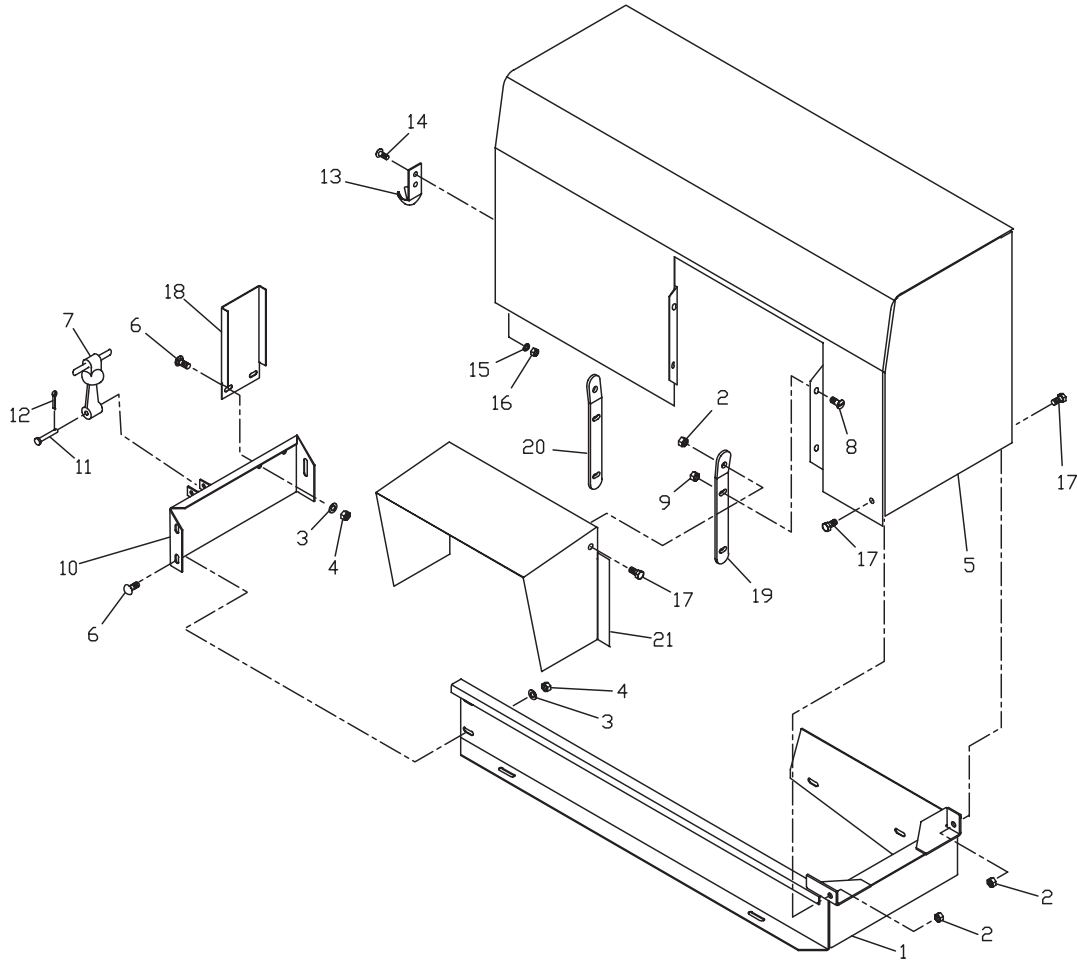
26" HYDRAULIC ROLL FEEDER - 367190

WITH AUGER FEEDER, FOR USE WITH PM35

Item	Part Number	Qty.	Description
1	160120	1	Crank Weldment, Roll Feed
2	103330	1	Plate Weldment, Sliding Roll
3	160110	1	Rotor Weldment, Roll Feed
4	014280	1	Motor, Hydraulic 12 Cu. In. Displacement
5	046640	2	Hose, Hydraulic 1/2" NPT x 30" Male Swivel
6	160130	1	Mount Weldment, Roll Feed Motor
7	161510	1	Valve Assembly, Hydraulic Flow Control
8	213000	1	Bracket, Flow Control without Auger Feeder
9	366920	1	Bracket, Left Lower
10	366930	1	Bracket, Right Lower
11	007880	2	Cable, 1/8" x 7" x 19" x 12"
12	007900	1	Bracket, Upper Spring
13	007930	1	Lock, Roll Feed Ratchet
14	011200	2	Bearing, Roll Feed
15	011530	1	Key, Square 1/4" x 1-1/4"
16	012140	1	Bolt, HHCS 5/16"-18 x 3/4"
17	012260	4	Bolt, HHCS 3/8"-16 x 1"
18	013170	2	Zerk, 1/8"-27 NPT Short Grease
19	017200	2	Spring, Roll Feed Only
20	018920	1	Pin, Roll 1/4" x 1-3/4" Tension
21	019050	2	Washer, Lock 5/16" Special
22	020700	2	Pin, Cotter 5/32" x 1" Chisel Point
23	021180	8	Washer, Lock 3/8"
24	021190	8	Washer, Flat 3/8"
25	022420	4	Bolt, HHCS 3/8"-3/4"
26	022920	4	Washer, Flat 5/16"
27	023260	2	Washer, Flat 1/4"
28	023620	4	Washer, Lock 5/16"
29	023630	4	Nut, Hex 5/16"-18
30	025670	3	Nut, Lock 5/16"-18 Hex
31	027260	4	Nut, Hex 3/8"-16
32	027660	2	Nut, Hex 1/4"-20
33	029440	2	Washer, Lock 1/4"
34	031560	2	Bolt, HHCS 1/4"-20 x 2-1/2"
35	033460	2	Spacer, 3/8" x 9/32"
36	035210	4	Washer, Flat 5/8"
37	160140	1	Collar, Shaft Roll Feed
38	166230	3	Elbow, Hydraulic 1/2" NPTF x 90°
39	166250	2	Fitting, Hydraulic Nipple 1/2" NTPF Hex
40	166290	1	Adapter, Tee
41	367230	1	Instructions, Install Roll Feed
42	164560	2	Hose, Hydraulic 1/2" x 120"

MAIN SHIELD ASSEMBLY - 365850

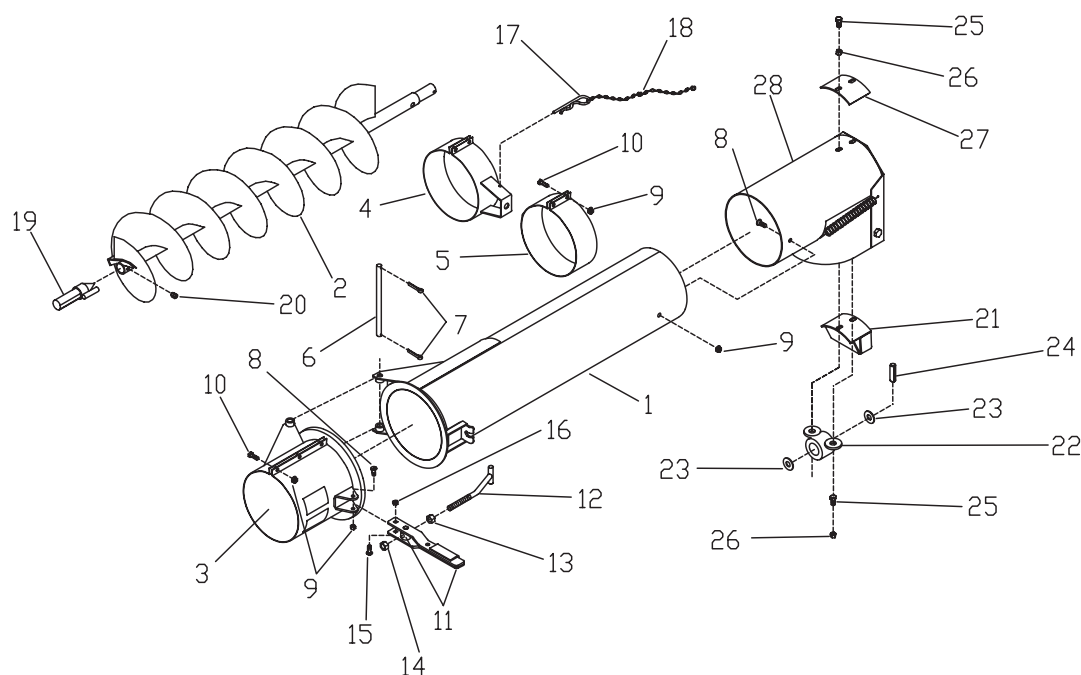
FOR USE WITH PM25 & PM35



Item	Part Number	Qty.	Description
1	247920	1	Base Weldment, Main Shield
2	023060	4	Nut, Lock 3/8"-16
3	022920	4	Washer, Flat 5/16"
4	020190	4	Nut, Lock 5/16"-18
5	365800	1	Shield Weldment, Main
6	012410	4	Bolt, Carriage 5/16"-18 x 3/4"
7	205650	1	Hook, Rubber
8	021240	4	Screw, TR HD 1/4"-20 x 1/2"
9	023270	4	Nut, Lock 1/4"-10
10	247910	1	Base Weldment, Right
11	215800	1	Pin, Clevis 1/4" x 1-5/8"
12	116820	1	Pin, Cotter 1/16" x 3/4"
13	E104310	1	Bracket, Hook
14	991120	2	Screw, RD HD #10 x 3/4"
15	120600	2	Washer, Lock #10
16	120590	2	Nut, Hex #10
17	012260	4	Bolt, HHCS 3/8"-16 x 1"
18	365280	1	Filler, Shield
19	387050	1	Strap, Left
20	387060	1	Strap, Right
21	387040	1	Eyebrow

FOLDING DISCHARGE AUGER EXTENSIONS 3' & 6'

SHOWS ASSEMBLY FOR PM25 & PM35, 3' - 134040, 6' - 134050

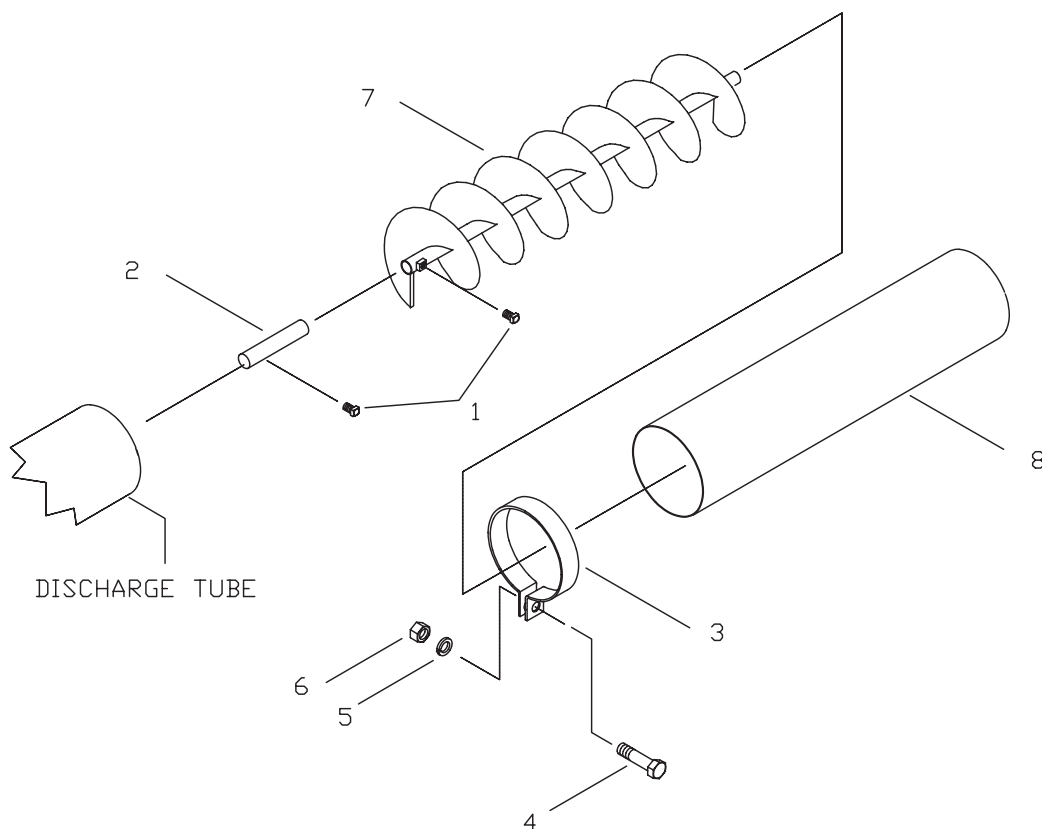


		3' - 134040		6' - 134050		Description
Item	Part Number	Qty.		Qty.		
1	152150	1	-	-	1	Tube, 3' Extension
1	152160	-	1	-	1	Tube, 6' Extension
2	171090	1	-	-	1	Auger, 3' Extension
2	171130	-	1	-	1	Auger, 6' Extension
3	162110	1	1	1	1	Pivot, Clamp-on with Decal
3	144650	2	2	2	2	Decal, Auger Engagement
4	134240	1	1	1	1	Clamp, Band with Strap
5	134290	1	1	1	1	Clamp, Band with Pin
6	144640	1	1	1	1	Pin, Pivot 1/2" x 8-1/2"
7	034360	2	2	2	2	Pin, Cotter 1/8" x 1"
8	028230	2	2	2	2	Screw, Slot 5/16" x 3/4"
9	020190	11	11	11	11	Nut, Lock 5/16"-18 Hex Flange
10	030030	7	7	7	7	Bolt, HHCS 5/16"-18 x 3/4"
11	127830	1	1	1	1	Handle, Locking with Pivot
12	144270	1	1	1	1	Handle, T-Bar
13	005360	1	1	1	1	Nut, Hex 1/2"-13
14	127890	1	1	1	1	Nut, Lock 1/2"
15	012410	2	2	2	2	Bolt, Carriage 5/16"-18 x 3/4"
16	025670	1	1	1	1	Nut, Lock 5/16"-18 Hex 2-Way
17	035670	1	1	1	1	Pin, Hair 3/16" x 3"
18	143700	1	1	1	1	Chain, 8" Long
19	171160	1	1	1	1	Shaft, Pivot Drive
20	008780	1	1	1	1	Screw, Set 7/16"-14 x 3/4" Square Head
21	134320	1	1	1	1	Hanger Weldment, Bearing
22	134310	1	1	1	1	Bearing, Wood Pillow Block 1-1/8"
23	020650	4	4	4	4	Washer, Flat 1-1/8"
24	013600	1	1	1	1	Pin, Expansion 1/4" x 2"
25	022420	4	4	4	4	Bolt, HHCS 3/8"-16 x 3/4"
26	020180	2	2	2	2	Nut, Lock 3/8"-16 Hex Flange
27	152200	1	1	1	1	Plate, Bearing Mounting
28	152100	1	1	1	1	Assembly, Discharge Hood (Not Included in Extension Kit)

BOLT-ON DISCHARGE AUGER EXTENSIONS 3', 4', 5' & 6'

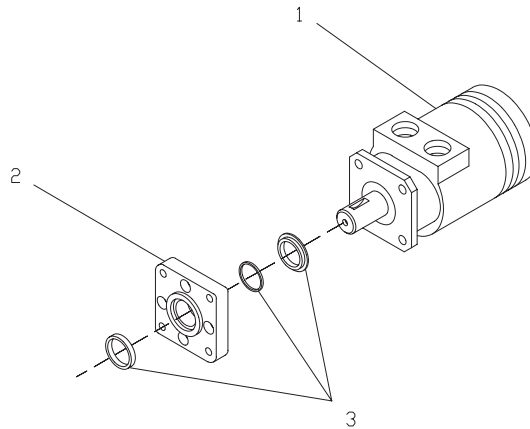
SHOWS ASSEMBLY FOR PM25 & PM35,

3' - 147480, 4' - 147490, 5' - 147500, 6' - 147510



Item	Part Number	Qty.	Description
1	008780	2	Screw, Set 7/16"-14 x 3/4" Square Head
2	041130	1	Shaft, 1-1/8" dia. x 8"
3	041140	1	Band, 8" Dia.
4	013370	1	Bolt, HHCS 3/8"-16 x 1-1/2"
5	021180	1	Washer, Lock 3/8" Spring Type
6	027260	1	Nut, Hex 3/8"-16
7	041090	1	Auger, 3' Bolt-on Extension 7" Dia.
7	041100	1	Auger, 4' Bolt-on Extension 7" Dia.
7	041110	1	Auger, 5' Bolt-on Extension 7" Dia.
7	041120	1	Auger, 6' Bolt-on Extension 7" Dia.
8	041040	1	Tube, 3' Bolt-on Extension 8" Dia.
8	041050	1	Tube, 4' Bolt-on Extension 8" Dia.
8	041060	1	Tube, 5' Bolt-on Extension 8" Dia.
8	041070	1	Tube, 6' Bolt-on Extension 8" Dia.

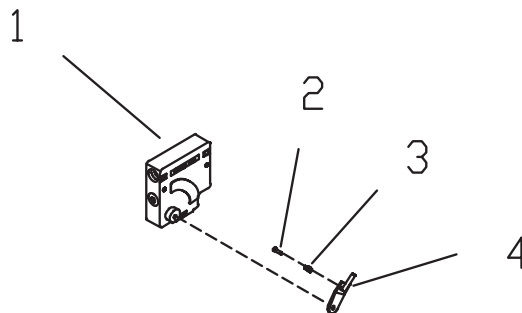
HYDRAULIC MOTOR KITS



Item	Part Number	Qty.	Description
1	014280	1	Motor, Hydraulic 12 cu. in. Displacement
1	110980	1	Motor, Hydraulic (Swing)
2	-	1	Kit, Flange (014280 and 111090)
3	1780700	1	Kit, Seal Ross TRW (014080 and 1110900) - Series MAC, #MAC500002*
3	242510	1	Kit, Seal Ross TRW (014280 and 111090) - Series MAG, #MAC500001*
3	243040	1	Kit, Seal Ross TRW (014280 and 111090) - Series MG, #SK000090*

*Notes kind and series of motor used

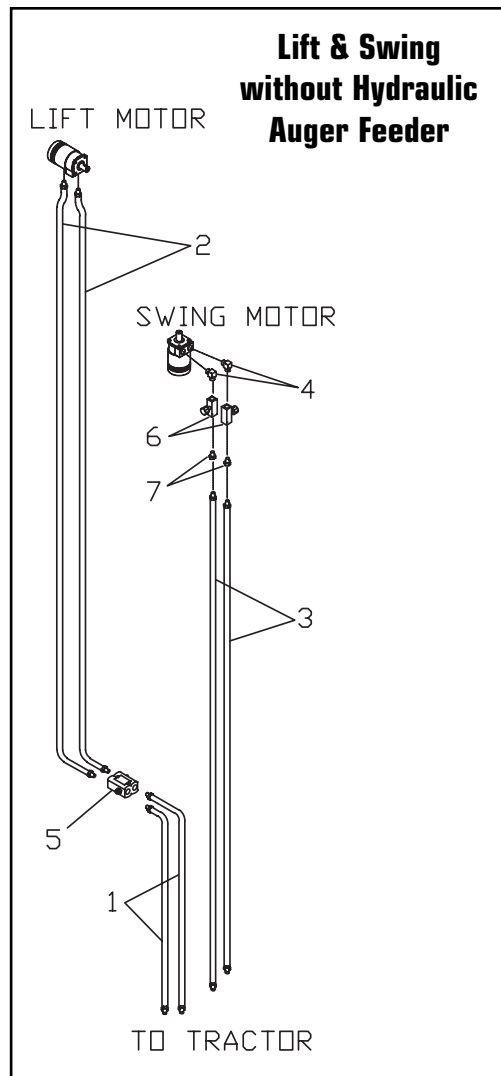
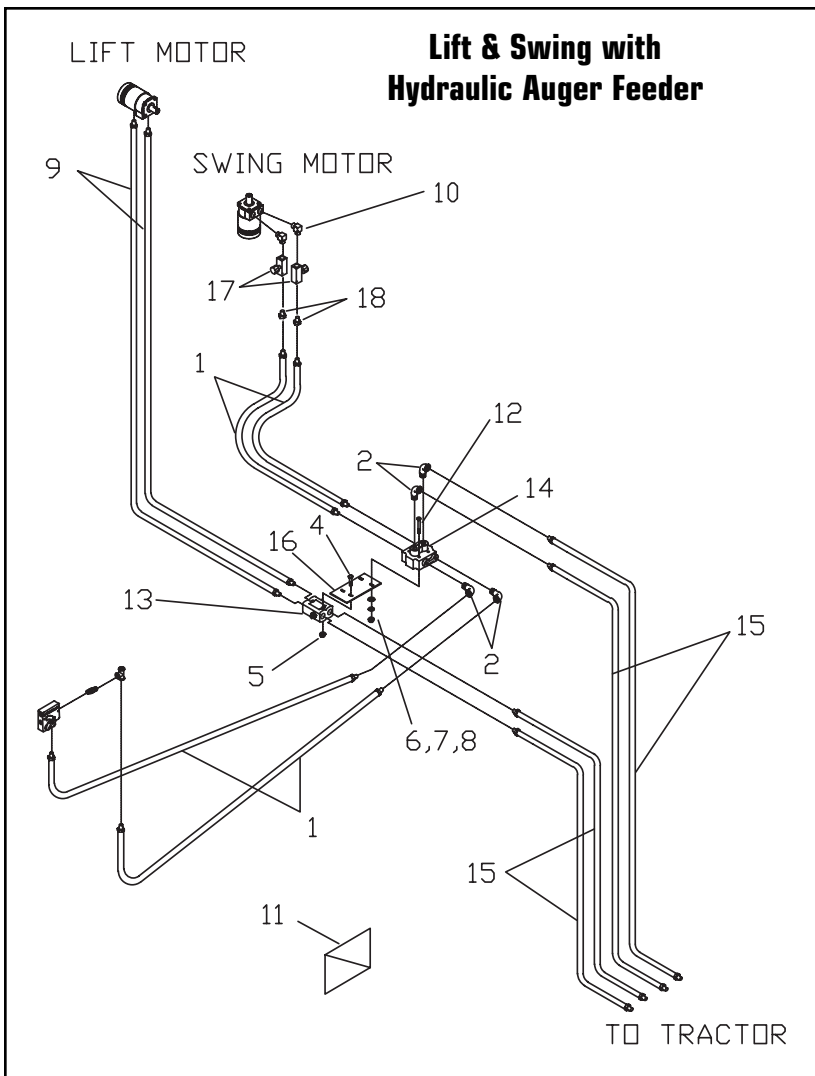
VALVE ASSEMBLY, HYDRAULIC FLOW CONTROL - 161510



Item	Part Number	Qty.	Description
1	006301	1	Valve, Flow Control without Handle
1	012172	1	Pin, Clevis 3/8" x 1"
2	042390	1	Spring, 27/64" x 1/2" x 1-3/64"
3	161500	1	Lever, Weldment, Hydraulic Control

See page 52 Hydraulic Auger Feeder Assembly - 367030, item 4 for usage.

SHOWS ASSEMBLY FOR PM25 & PM35



HYDRAULIC PLUMBING

SHOWS ASSEMBLY FOR PM25 & PM35

Lift and Swing with Hydraulic Auger Feeder

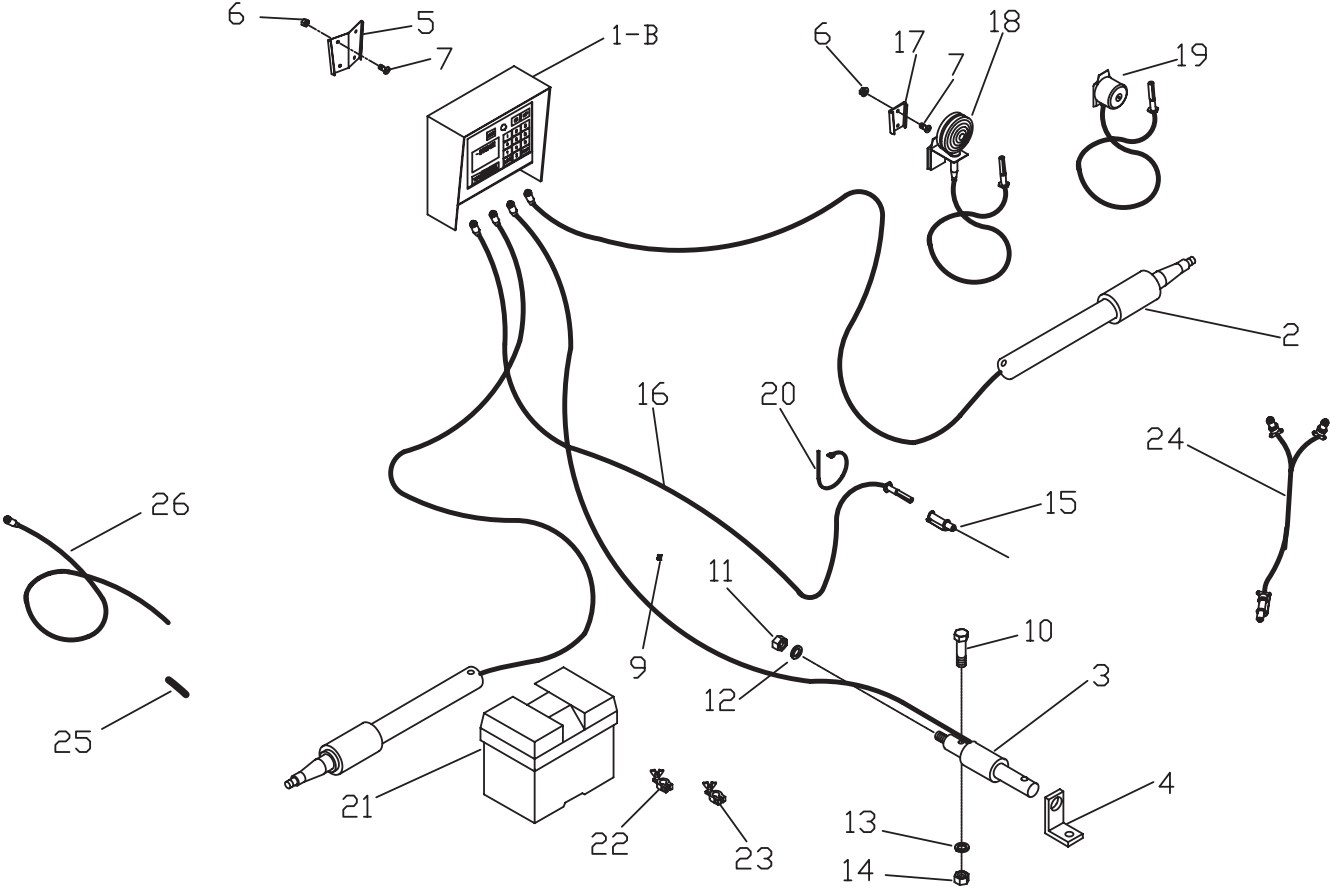
Item	Part Number	Qty.	Description
1	164550	2	Hose, Hydraulic 100R2 1/2" x 120" SAE
2	166230	4	Elbow, Street 1/2" x 90° NPTF
3	-	-	-
4	012260	-	Bolt, HHCS 3/8"-16 x 1"
5	020180	-	Nut, Lock 3/8"-16 Hex Flange
6	022920	-	Washer, Flat 3/8" x 7/8" x 5/64"
7	023620	-	Washer, Lock 5/16"
8	023630	-	Nut, Hex 5/16"-18
9	166150	2	Hose, Hydraulic 100R2 1/2" x 168" SAE
10	274460	2	Elbow, Street 1/2" x 3/8" 90°
11	159460	1	Decal, Valve Direction
12	160230	-	Bolt, HHCS 5/16" x 3"
13	163280	1	Valve, Dual Relief 800 psi
14	163290	1	Valve, Double Selector
-	248060	-	Valve Kit, Handle
-	277270	-	Valve Kit, Seal
15	E356012	4	Hose, Hydraulic 100R2 1/2" x 144" SAE
16	160330	1	Plate, Selector Valve
17*	212490	2	Valve, Flow Control
18	502570	2	Bushing, Reducer 1/2" x 3/8"

Lift and Swing without Hydraulic Auger Feeder

Item	Part Number	Qty.	Description
1	E356012	2	Hose, Hydraulic 100R2 1/2" x 144" SAE
2	166150	2	Hose, Hydraulic 100R2 1/2" x 168" SAE
3	046090	4	Hose, Hydraulic 100R2 1/2" x 240" SAE
4	274460	2	Elbow, Street 1/2" x 3/8" 90°
5	163280	1	Valve, Dual Relief 800 psi
6*	212490	2	Valve, Flow Control
7	502570	2	Bushing, Reducer 1/2" x 3/8"

***NOTE:** Both valves should be set to the same flow. Unequal settings will cause excessive motor back pressure and shaft seal failure.

ELECTRONIC SCALE ASSEMBLY
SHOWS ASSEMBLY FOR PM25 & PM35

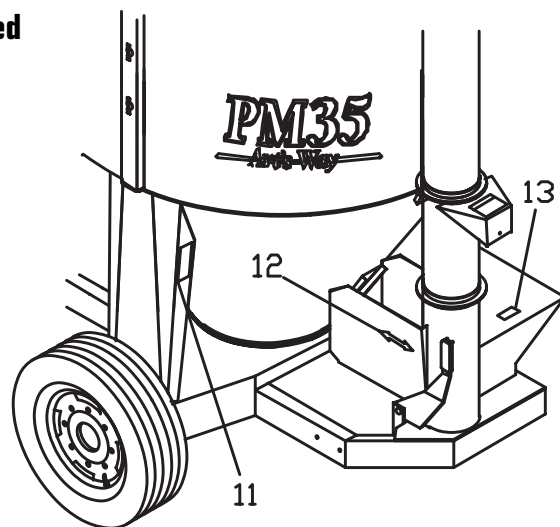
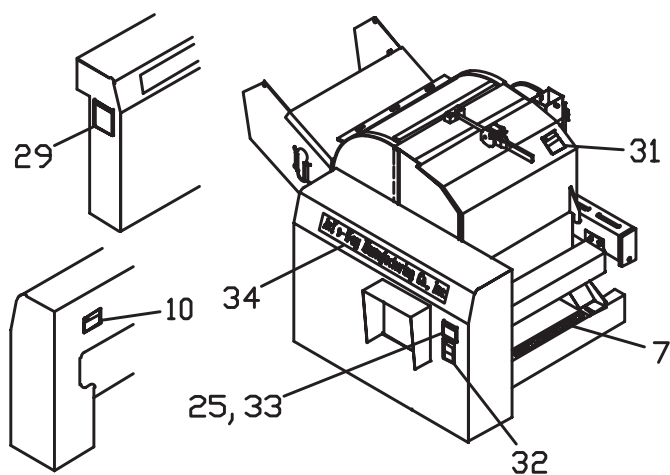
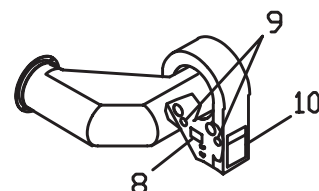
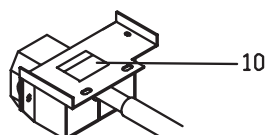
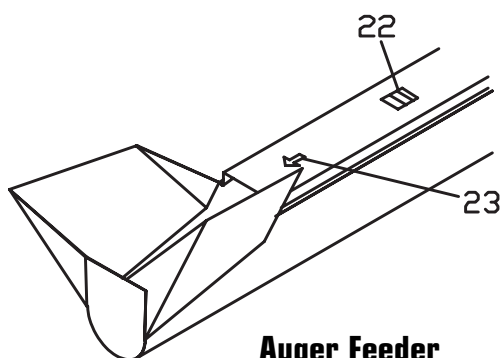
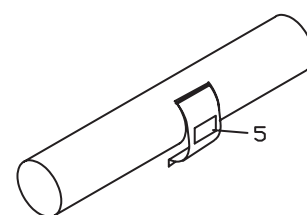
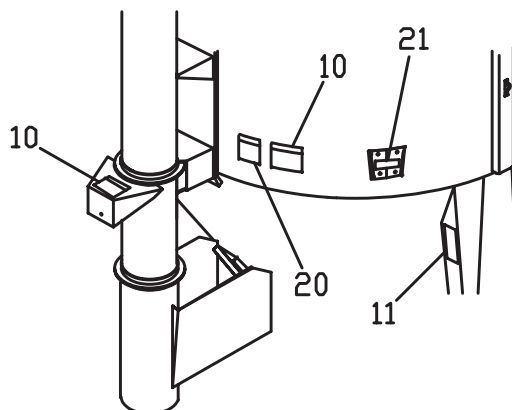
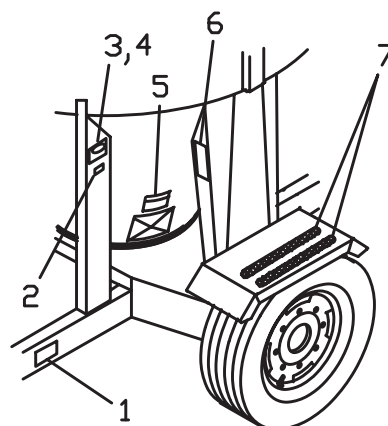
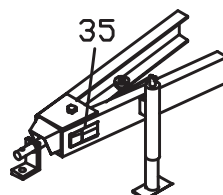
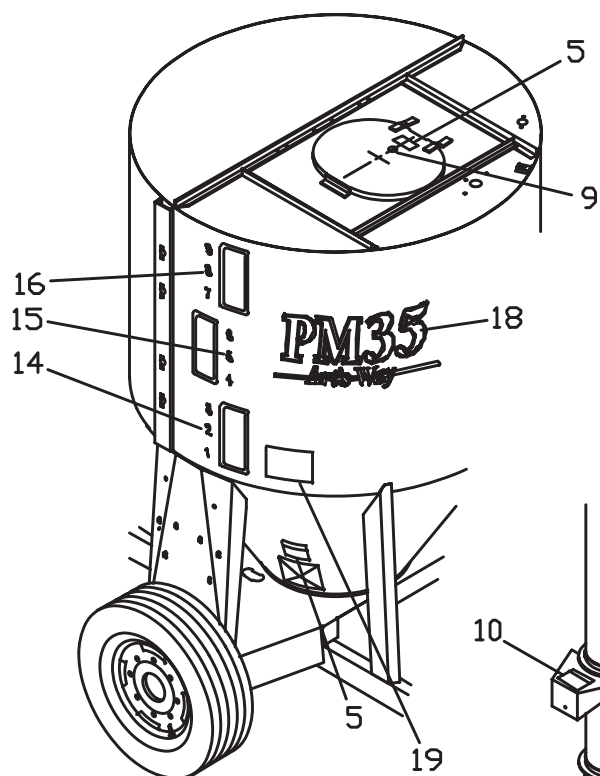


ELECTRONIC SCALE ASSEMBLY

SHOWS ASSEMBLY FOR PM25 & PM35

Item	Part Number	Qty.	Description
1A	4243701	1	Indicator, Model 615 - 3 Connector/5 Pin Plug
1B	4243801	1	Indicator, Model 715 - 3 Connector/5 Pin Plug (Shown)
1C	4243901	1	Indicator, Model 1015 - 3 Connector/5 Pin Plug
2	040581	2	Spindle, Weigh Bar 5-Pin - 105 Bushel Only
2	040611	2	Spindle, Weigh Bar 5-Pin - 150 Bushel Only
3	219870	1	Hitch, Weigh Bar 5-Pin - 105 Bushel and 150 Bushel
4	036740	1	Clevis, Hitch 1-7/8"
5	036670	1	Bracket, Indicator
6	023270	-	Nut, Lock 1/4"-20 Hex Flange
7	021240	-	Screw, Truss Head 1/4"-20 x 1/2"
8	219880	1	Plug, 5-Pin Plug (for Four Connector Indicators Only)
9	036890	3	Clip, Spring
10	990960	-	Bolt, HHCS 3/4"-10 x 4-1/2"
11	147310	-	Nut, Hex 1"-8 Grade 2
12	003350	-	Washer, Lock 1" Split
13	036800	-	Washer, Lock 3/4" Split
14	036750	-	Nut, Hex 3/4"-10 Grade 2
15	036780	-	Connector, Power Cord (Female)
16	147060	-	Cord, 23' Digital Power
17	039261	-	Bracket
18	111900	-	Light, Warning Digital
19	111880	-	Horn, Digital Warning
20	149670	12	Tie, Nylon Cable 3/16" x 11"
21	039690	-	Box, Battery
22	135440	-	Clamp, Positive Battery
23	135450	-	Clamp, Negative Battery
24	199090	-	Adapter, Dual
25	1727206	-	Splice Kit, Weighbar Cord
26	253210	-	Pig Tail, 5 Pin with B Connector with 1' Cord
26	253211	-	Pig Tail, 5 Pin with B Connector with 10' Cord
26	253212	-	Pig Tail, 5 Pin with B Connector with 20' Cord

PAINT & DECALS FOR PM25 & PM35



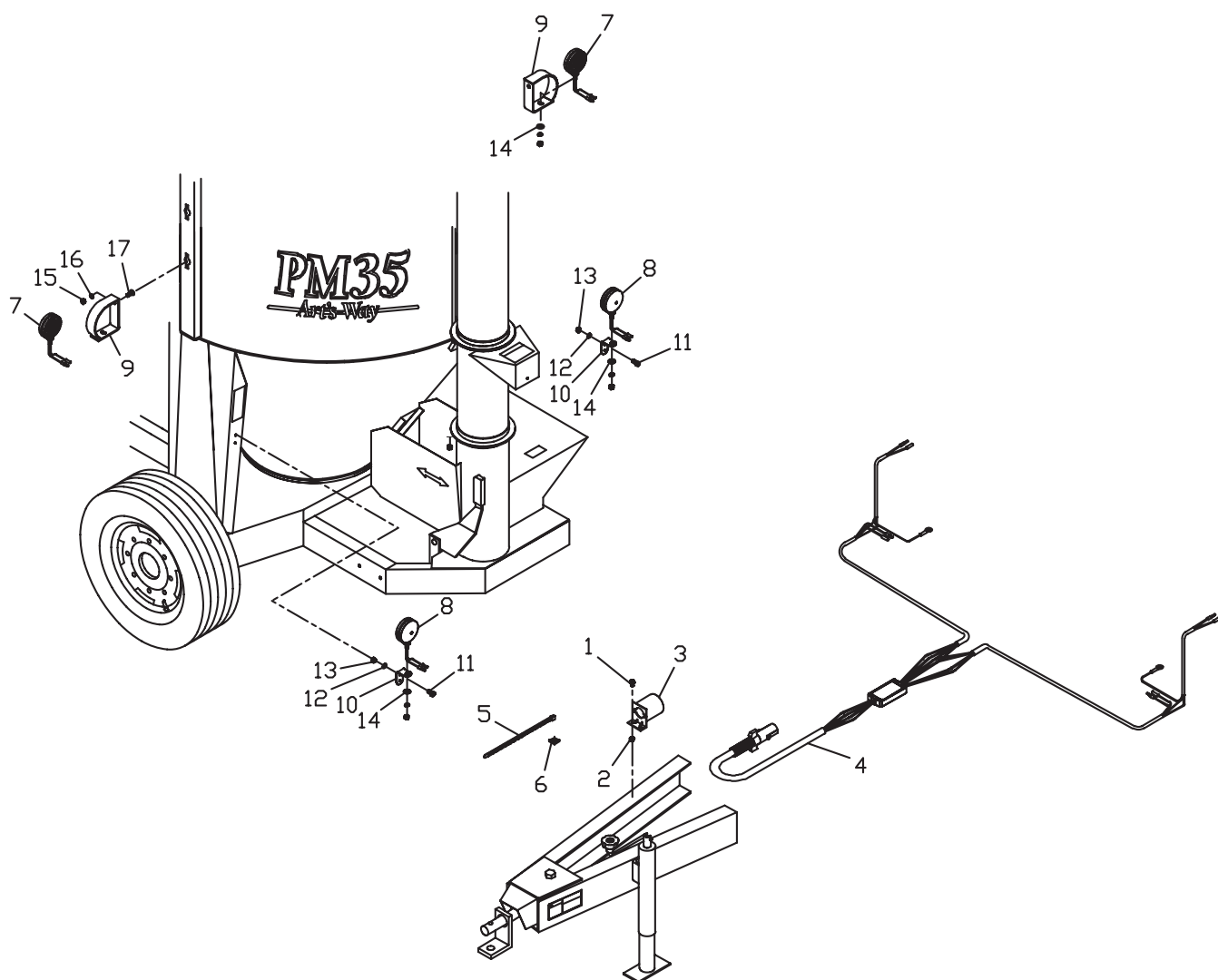
PAINT & DECALS

FOR PM25 & PM35

Item	Part Number	Qty.	Description
1	159460	1	Decal, Valve Direction
2	041601	1	Decal, Patent Numbers
3	-	-	Tag, Serial Number Finished
4	204510	4	Nail, 1/4" Grip
5	377280	4	Decal, Caution Do Not Open
6	227420	1	Reflector, Amber
7	117720	3	Tape, Anti-Skid
8	168620	1	Decal, Hydraulic Ring Gear
9	146670	3	Decal, Grease Symbol
10	467450	3	Decal, Moving Parts Hazard
11	227430	2	Reflector, Red
12	158530	1	Decal, Start-Stop Auger
13	212350	1	Decal, Supplement Instruction
14	361261	1	Decal, Tank 1, 2, 3 Cream
15	361271	1	Decal, Tank 4, 5, 6 Cream
16	361281	1	Decal, Tank 7, 8, 9 Cream
17	-	-	-
18	471470	2	Decal, Model PM25 Cream
18	471460	2	Decal, Model PM35 Cream (Shown)
19	209680	1	Decal, 105 Bushel Weights and Measures
19	212450	1	Decal, 150 Bushel Weights and Measures
20	384000	1	Decal, Danger Electrical Hazard
21	041620	1	Decal, Electric Scale Bracket
22	383990	1	Decal, Danger Auger Feeder
23	158520	1	Decal, Auger Feeder Stop
24	-	-	-
25	384030	1	Decal, Danger 565 rpm PTO
26	361291	1	Decal, Art's-Way Manufacturing Co., Inc. 21" Cream
27	-	-	-
28	383320	1	Decal, Attention Foreign Material
29	368040	1	Decal, Caution Safety Instructions
30	-	-	-
31	363000	1	Decal, Danger Rotating Mechanism
32	368350	1	Decal, Warning Moving Flywheel Hazard
33	384020	1	Decal, Danger 1000 rpm PTO
34	361301	1	Decal, Art's-Way Manufacturing Co., Inc. Cream
35	383970	1	Decal, Caution Hitch Instructions
36	268860	1	Decal, Danger Rotating Drive Line
-	022010	-	Paint, Art's-Way Green - 1 Gallon Can
-	021990	-	Paint, Art's-Way Green - 1 Quart Can
-	043121	-	Paint, Art's-Way Green - 16 oz. Spray Can
-	349720	-	Paint, Art's-Way Red - 1 Gallon Can
-	349700	-	Paint, Art's-Way Red - 16 oz. Spray Can

MIXER HIGHWAY LIGHTS - 350070

FOR USE WITH PM25 & PM35



Item	Part Number	Qty.	Description
1	J37H3	2	Screw, HWHMS 1/4"-20 x 5/8"
2	027660	2	Nut, Hex 1/4"-20
3	JPT1296	1	Bracket, Plug Storing
4	486710	1	Harness Assembly
5	149670	10	Tie, Nylon Cable
6	JAT55441	8	Mount, Cable Tie
7	350150	2	Light Assembly, Amber
8	350160	2	Light Assembly, Tail
9	350090	2	Bracket Weldment, Light Mounting
10	350100	2	Bracket, Tail Light
11	006690	4	Bolt, HHCS 3/8"-16 x 1-1/4"
12	021180	4	Washer, Lock 3/8"
13	027260	4	Nut, Hex 3/8"-16
14	P99549	4	Washer, Flat 7/16"
15	005360	2	Nut, Hex 1/2"-13
16	005370	2	Washer, Lock 1/2"
17	030470	2	Bolt, Carriage 1/2"-13 x 1-1/4"

SELF-CONTAINED HYDRAULICS

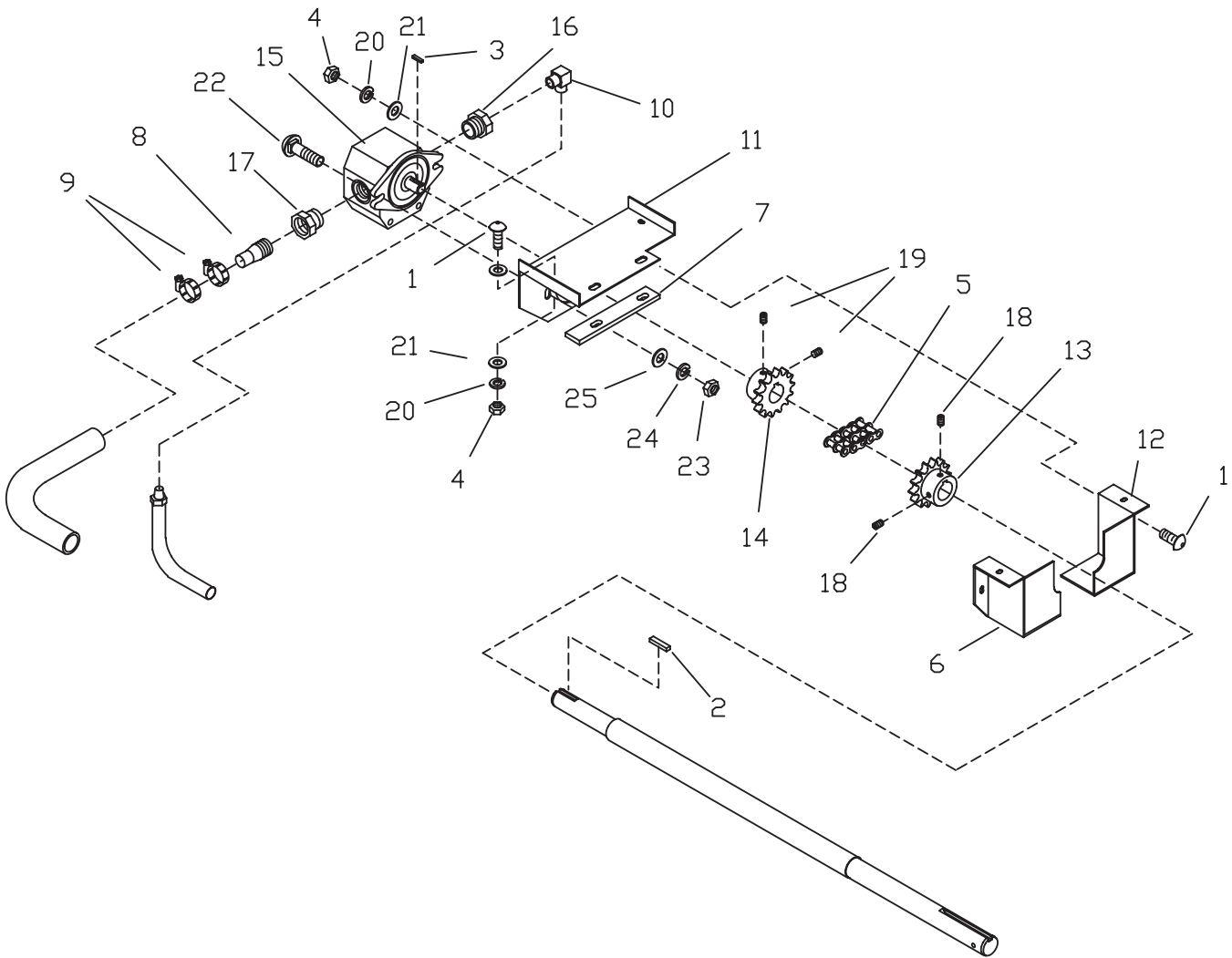
FOR USE WITH PM35

1000 RPM

ILLUSTRATED PARTS LIST

SELF-CONTAINED - HAMMER MILL PUMP DRIVE

1000 RPM, SHOWS ASSEMBLY FOR PM35 - 389350



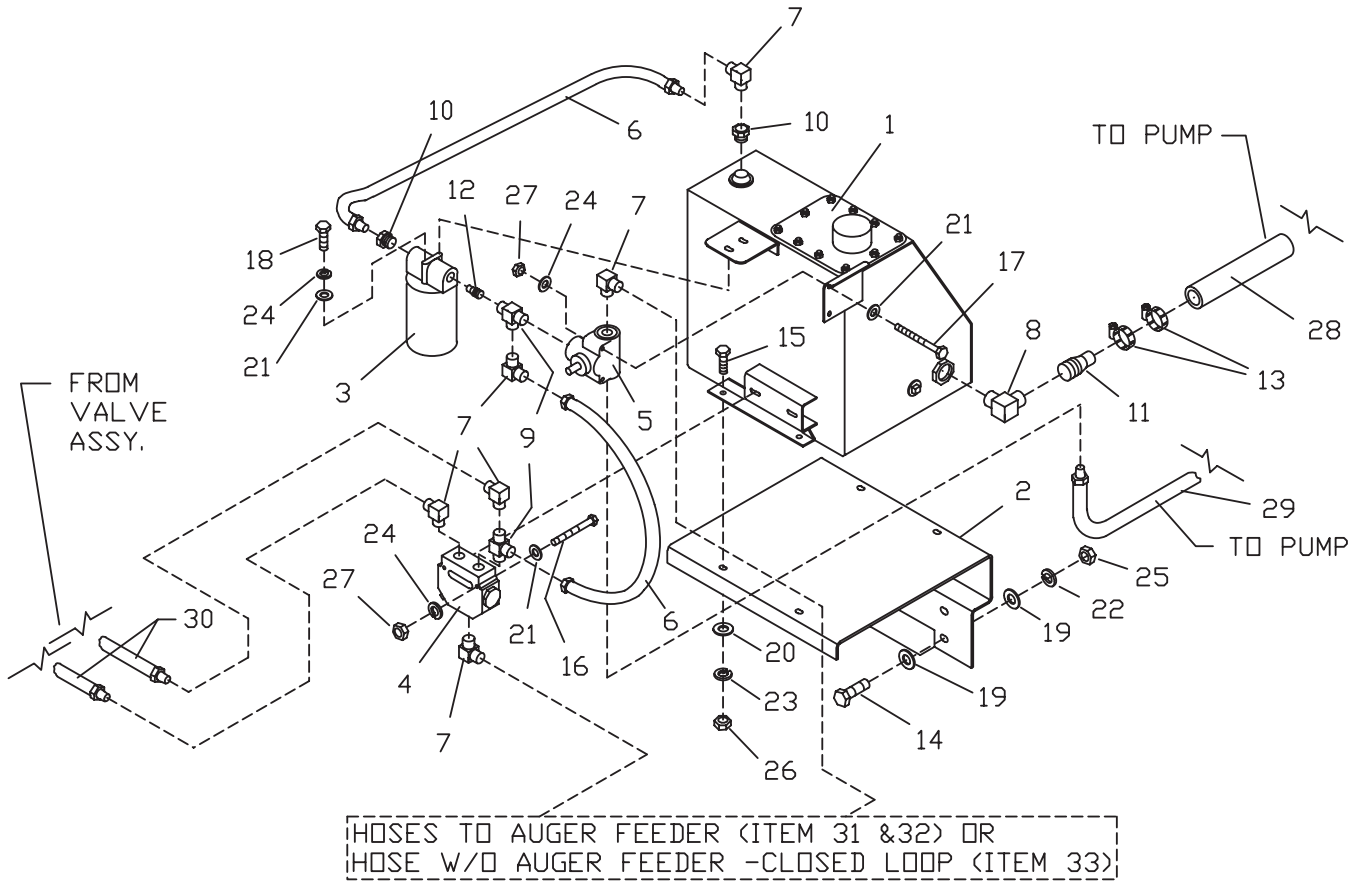
SELF-CONTAINED - HAMMER MILL PUMP DRIVE

1000 RPM, SHOWS ASSEMBLY FOR PM35 - 389350

Item	Part Number	Qty.	Description
1	254060	4	Bolt, Carriage 5/16"-18 x 1"
2	006670	1	Key, Square 3/8" x 1-1/2"
3	011500	1	Key, Square 1/4" x 1-1/2"
4	023630	8	Nut, Hex 5/16"-18
5	163770	1	Coupling, Chain
6	385430	1	Shield, Weldment
7	385470	1	Spacer
8	166100	2	Pipe, Fitting 1 Barbed Nipple
9	166110	4	Clamp, Hose
10	166230	7	Elbow, Street 90° 1/2" NPTF
11	385389	1	Mount, Pump
12	385420	1	Shield, Weldment
13	271170	1	Sprocket, 60B14 x 1-7/16" Coupling
14	271180	1	Sprocket, 60B14 x 7/8" Coupling 1/2"
15	274370	1	Pump, Hydraulic 2 cu. in. 1000 rpm
16	274430	1	Adapter, 1-5/16"
17	274440	1	Adapter, 1-7/8"
18	218660	2	Screw, Set 3/8"-16 x 3/8"
19	R61564	2	Screw, Set 5/16"-18 x 1/2"
20	023620	8	Washer, Lock 5/16"
21	I120393	6	Washer, Flat 11/32" x 11/16" x 1/16"
22	E096046	2	Bolt, Carriage 1/2"-13 x 1-1/2"
23	005360	6	Nut, Hex 1/2"-13
24	005370	6	Washer, Lock 1/2"
25	I120396	10	Washer, Flat 17/32" x 1-1/16" x 5/64"

SELF-CONTAINED - TANK ASSEMBLY

SHOWS ASSEMBLY FOR PM35 - 274760B



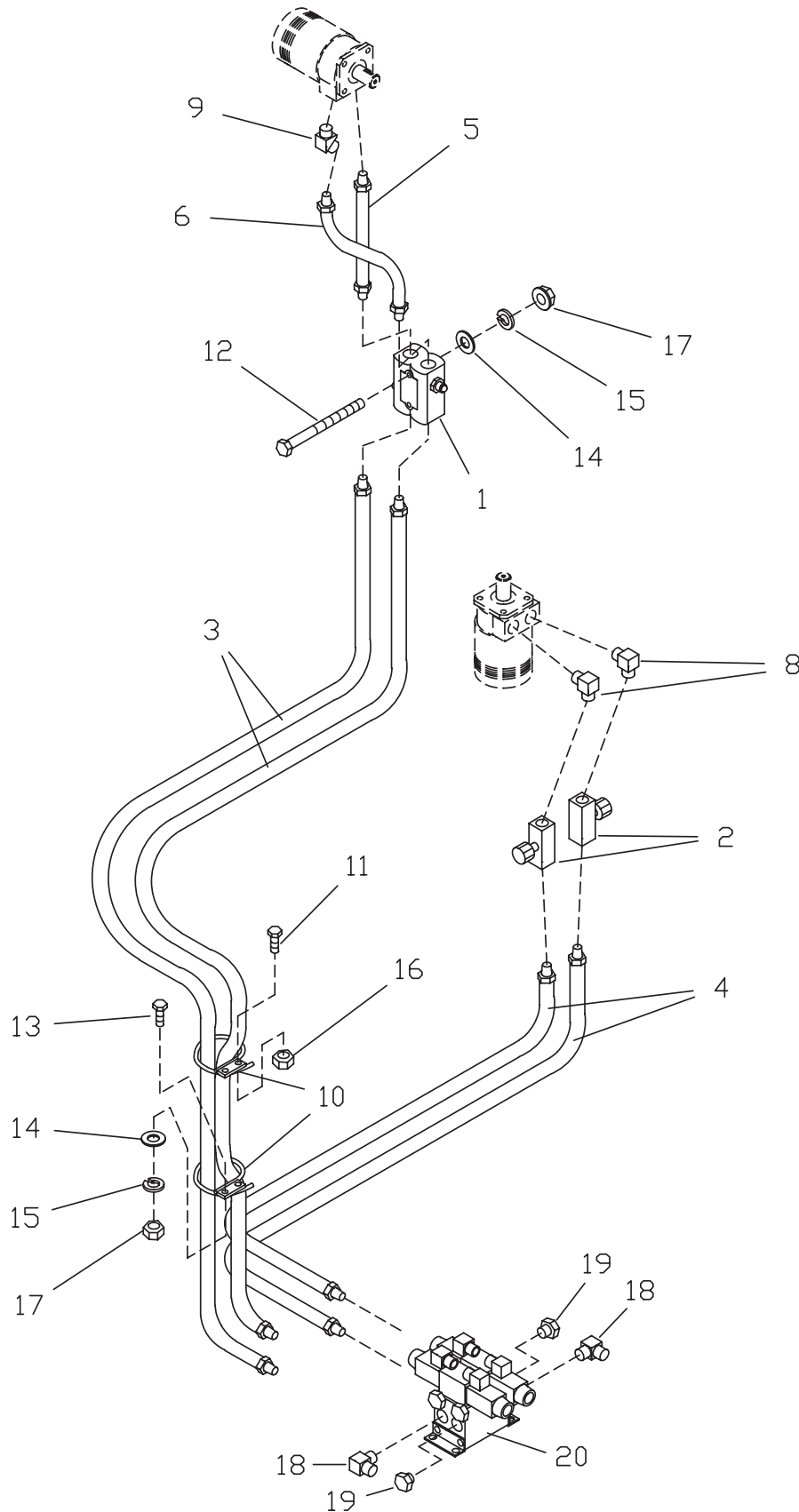
SELF-CONTAINED - TANK ASSEMBLY

SHOWS ASSEMBLY FOR PM35 - 274760

Item	Part Number	Qty.	Description
1	346500	1	Tank, Hydraulic (See page 84)
2	274860	1	Weldment, Reservoir Mount
3	165910	1	Element, Filter
3	165901	1	Housing, Filter Aluminum
4	274400	1	Valve, Flow Divider
5	274390	1	Valve, Relief - RV-4H
6	166140	2	Hose, Hydraulic 100R2 1/2" x 24"
7	166230	7	Elbow, Street 90° x 1/2" NPTF
8	274470	1	Elbow, Street 90° x 1" NPTF
9	274410	2	Tee, Street 1/2" NPTF
10	007420	2	Bushing, Hex Reduced 3/4" to 1/2"
11	166100	2	Pipe, Fitting 1" Barbed Nipple
12	112360	1	Coupling, 1/2" to 3/4" Male
13	166110	4	Clamp, Hose 20H
14	014770	4	Bolt, HHCS 1/2"-13 x 1-1/2"
15	006690	4	Bolt, HHCS 3/8"-16 x 1-1/4"
16	031560	2	Bolt, HHCS 1/4"-20 x 2-1/2"
17	E672006	4	Bolt, HHCS 1/4"-20 x 2"
18	012051	2	Bolt, HHCS 1/4"-20 x 3/4"
19	I120396	10	Washer, Flat 17/32" x 1-1/16" x 5/64"
20	I120394	4	Washer, Flat 13/32" x 13/16 x 3/64"
21	I120392	9	Washer, Flat 17/64" x 5/8"
22	005370	6	Washer, Lock 1/2"
23	021180	4	Washer, Lock 3/8"
24	029440	9	Washer, Lock 1/4"
25	005360	6	Nut, Hex 1/2"-13
26	027260	4	Nut, Hex 3/8"-16
27	027660	7	Nut, Hex 1/4"-20
28	274500	1	Hose, Hydraulic 100R2 1" x 24"
29	005741	1	Hose, Hydraulic 100R2 1/2" x 61"
30	274480	2	Hose, Hydraulic 100R2 1/2" x 42"
31	E356015	1	Hose, Hydraulic 100R2 1/2" x 96"
32	218170	1	Hose, Hydraulic 100R2 1/2" x 72"
33	046640	1	Hose, Hydraulic 100R2 1/2" x 30"

SELF-CONTAINED - SWING & LIFT ASSEMBLY

SHOWS ASSEMBLY FOR PM35 - 274760C



SELF-CONTAINED - SWING & LIFT ASSEMBLY

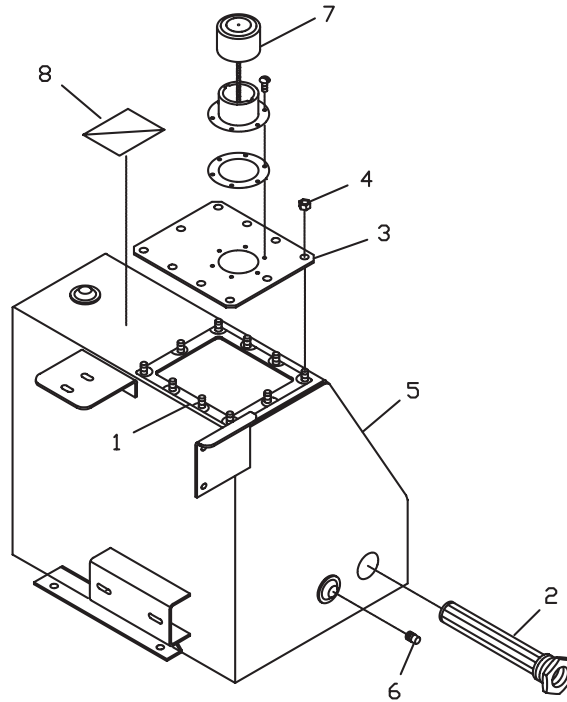
SHOWS ASSEMBLY FOR PM35 - 274760C

Item	Part Number	Qty.	Description
1	163280	1	Valve, Dual Relief Crossing RC21GG
2*	212490	2	Valve, Flow Control
3	164560	2	Hose, Hydraulic 100R2 1/2" x 120"
4	274050	2	Hose, Hydraulic 100R2 3/8" x 72"
5	014000	1	Hose, Hydraulic 100R2 1/2" x 12"
6	347820	1	Hose, Hydraulic 100R2 1/2" x 11"
7	-	-	-
8	274460	2	Elbow, Male 90° 1/2" x 3/8" NPTF
9	270620	1	Adapter, Street Elbow 45° 1/2"-14
10	212610	2	Hose, Holder
11	005900	5	Bolt, HHCS 5/16"-18 x 1"
12	E672006	4	Bolt, HHCS 1/4"-20 x 2"
13	042960	1	Bolt, HHCS 1/4"-20 x 1"
14	I120392	9	Washer, Flat 17/64" x 5/8"
15	029440	9	Washer, Lock 1/4"
16	020190	1	Nut, Hex 5/16"-18 Flange Lock
17	027660	7	Nut, Hex 1/4"-20
18	273210	2	Elbow, 7/8"-14 ORB Male to 1/2"-14 NPTF Female
19	274420	2	Plug, Hex 7/8"-14 ORB
20	274850	1	Valve Assembly, (2) 3-Way 4 Position (See Page 85)

***NOTE:** Both valves should be set to the same flow. Unequal settings will cause excessive motor back pressure and shaft seal failure.

SELF-CONTAINED - RESERVOIR ASSEMBLY

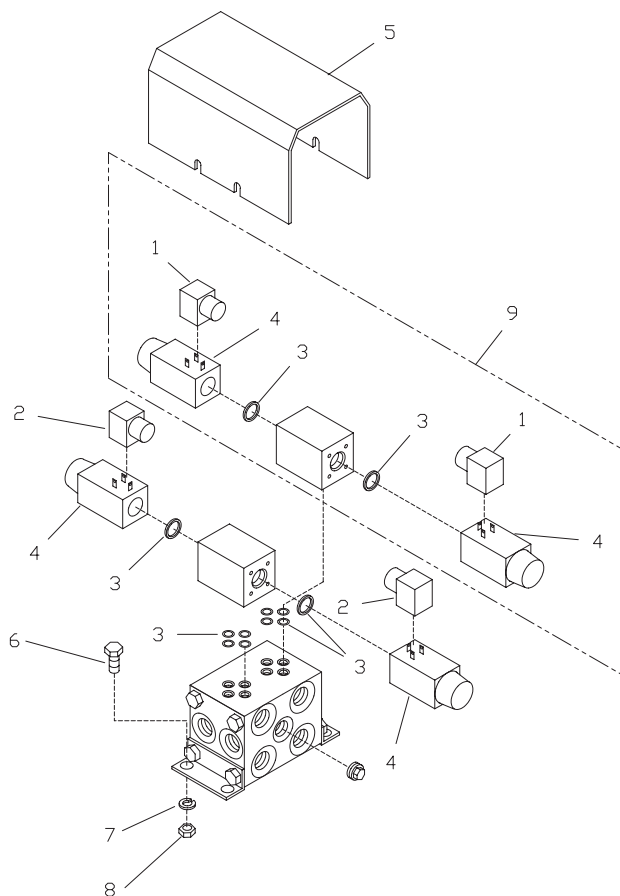
SHOWS ASSEMBLY FOR PM35 - 346500



Item	Part Number	Qty.	Description
1	961960	.1	Permatex, Ultra Blue
2	165880	1	Filter, Filler/Breather
3	166400	1	Cover, Hydraulic Tank
4	020190	10	Nut, Hex 5/16"-18 Flange Lock
5	271230	1	Tank, Hydraulic
6	165960	1	Plug, Magnetic
7	165890	1	Strainer, Tank Mount
8	389300	1	Decal, Important Pump
-	165990	.5	Lubricant, Industrial

SELF-CONTAINED - VALVE ASSEMBLY

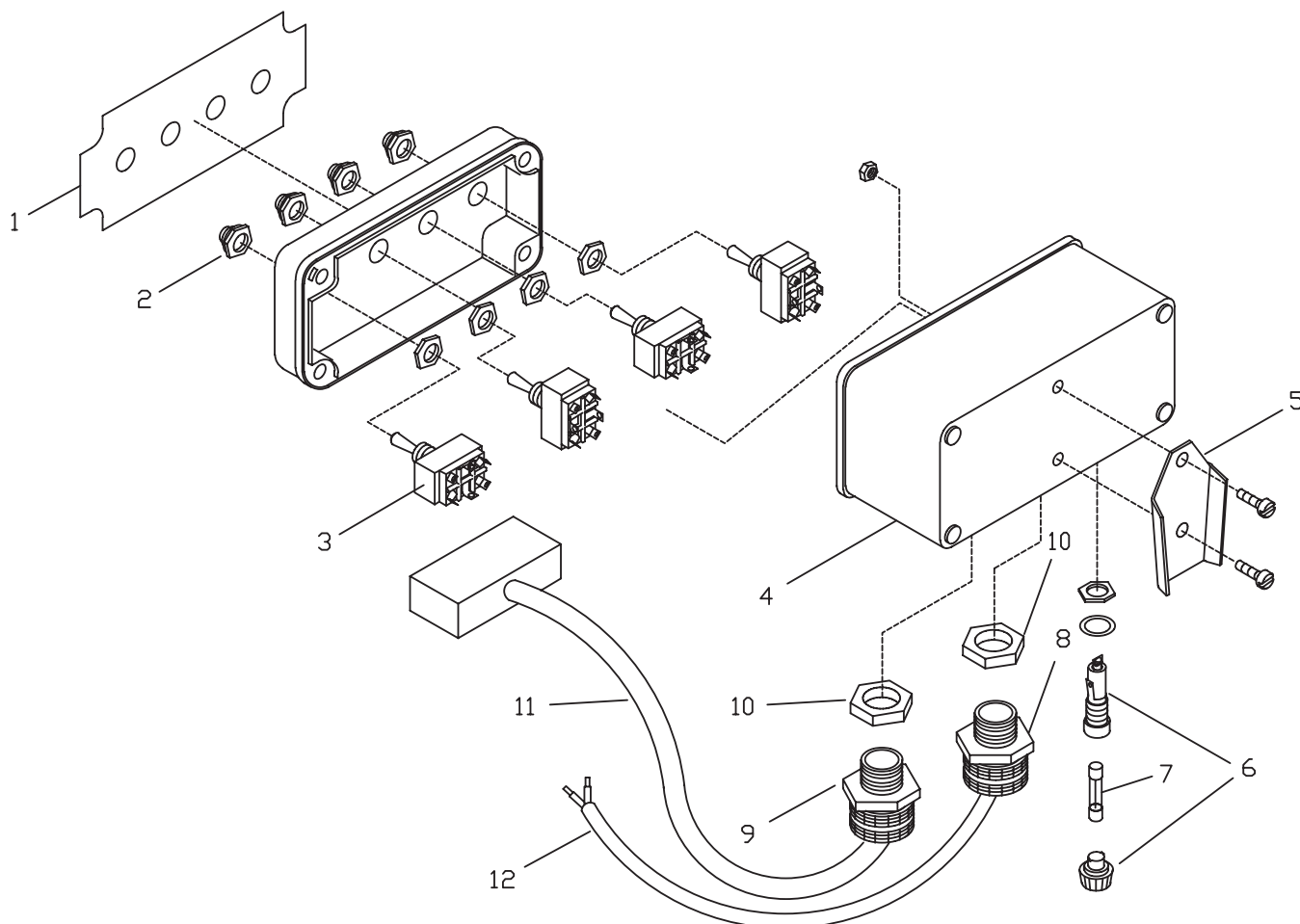
SHOWS ASSEMBLY FOR PM35 - 274760E



Item	Part Number	Qty.	Description
1	346420	1	Connector, Plug-In Red
2	346430	1	Connector, Plug-In Black
3	346440	1	Seal Kit
4	346450	1	Solenoid, Rex Roth 12 Volt DC
5	274360	1	Shield, Valve
6	005900	5	Bolt, HHCS 5/16"-18 x 1"
7	023620	8	Washer, Lock 5/16"
8	023630	8	Nut, 5/16"-18
9	467580	2	Valve, Directional

SELF-CONTAINED - TRACTOR REMOTE BOX

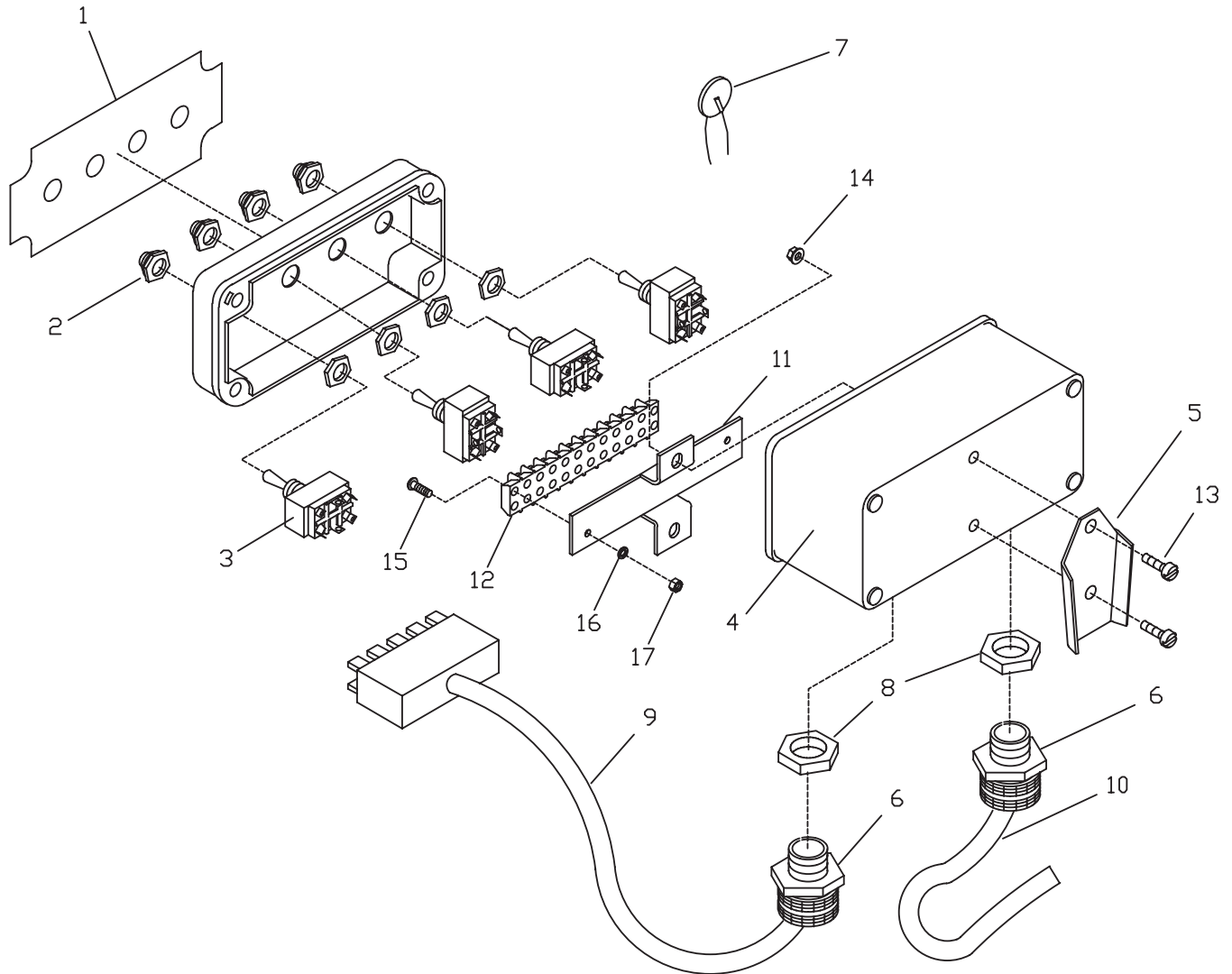
SHOWS ASSEMBLY FOR PM35 - 274030



Item	Part Number	Qty.	Description
1	274090	1	Decal, Face Plate
2	212470	4	Switch, Seal
3	209590	4	Switch, Toggle Momentary DPDT
4	274080	1	Enclosure, Remote Self-Contained Grinder Mixer
5	346690	1	Mounting Bracket, with Fasteners
6	W154550016	1	Fuse Holder
7	E292002	1	Fuse
8	346750	1	Connector Cord, 1/4" - 5/16" (To Battery)
9	274060	1	Connector Cord, 31/64" - 9/16" (To Grinder)
10	346740	2	Locknut, 1/2" Conduit Plastic
11	274070	1	Cord, Control Remote Box
12	209390	6	Wire, 64/2 SJO

SELF-CONTAINED - PM35 REMOTE BOX

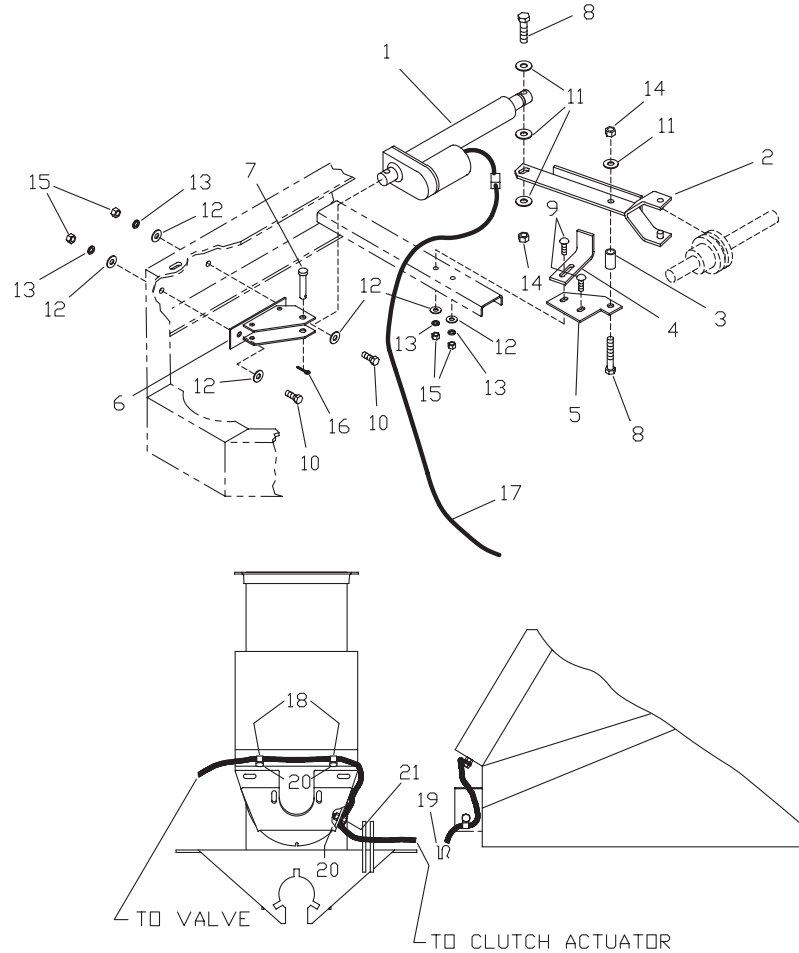
SHOWS ASSEMBLY FOR PM35 - 274040



Item	Part Number	Qty.	Description
1	274090	1	Decal, Face Plate
2	212470	4	Switch, Seal
3	209590	4	Switch, Toggle Momentary DPDT
4	274110	1	Enclosure, Remote Self-Contained Grinder Mixer
5	346690	1	Mounting Bracket, with Fasteners
6	274060	2	Connector Cord, 12" x 31/64" - 9/16"
7	270260	6	Varistor
8	209210	2	Locknut, 1/2" Conduit
9	274120	1	Connector Cord, Control Remote Box
10	274130	1	Cord, Control
11	473100	1	Bracket, Terminal Mount
12	187410	1	Terminal Strip
13	035230	2	Screw, THMS 1/4"-20 x 3/4"
14	023270	2	Nut, Lock 1/4"-20 Hex Flange
15	270230	2	Screw, PHMS 6-32 x 3/4"
16	W156970030	2	Washer, Lock #6
17	209700	2	Nut, Hex 6-32

SELF-CONTAINED - ELECTRIC CLUTCH ASSEMBLY

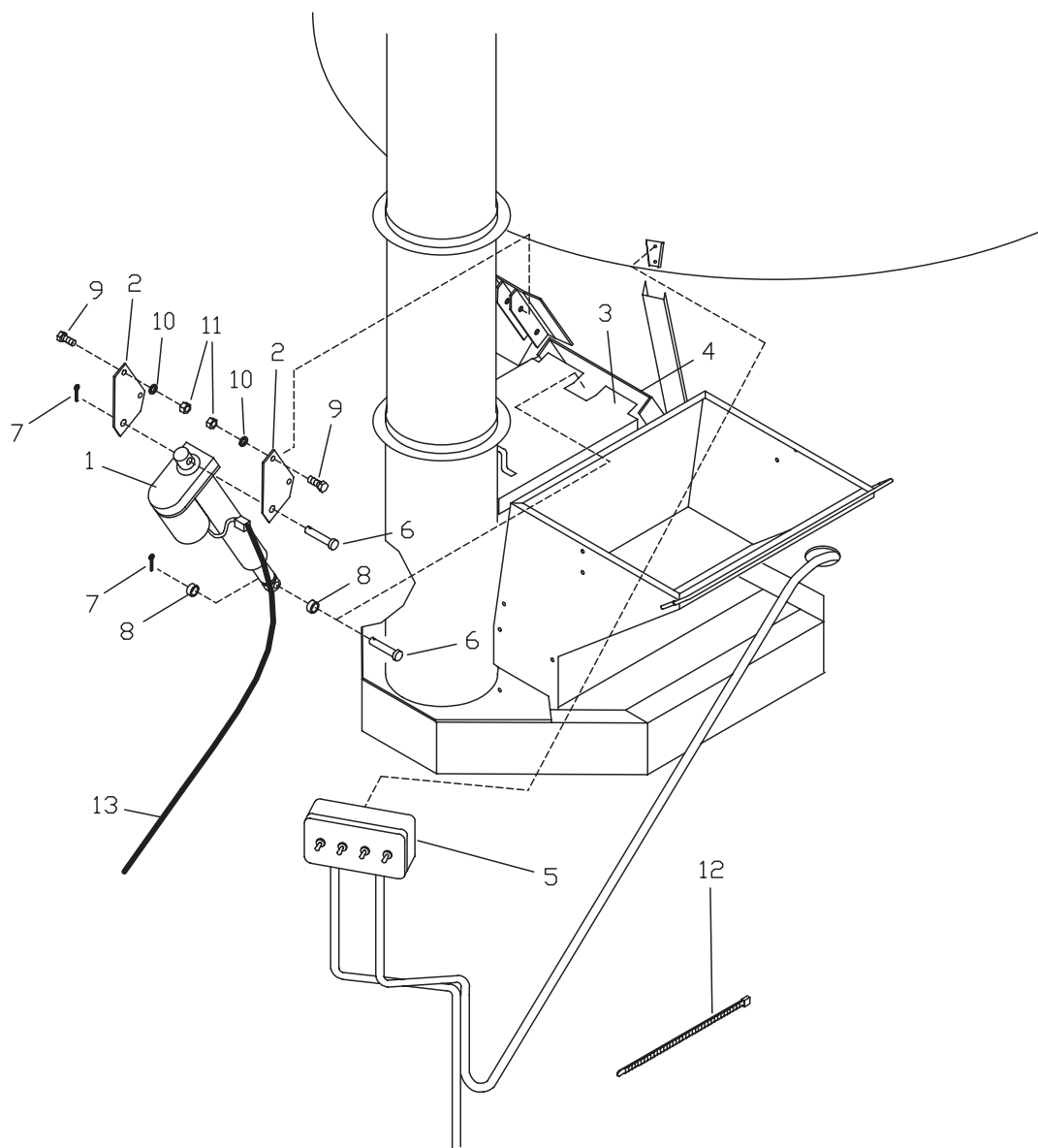
SHOWS ASSEMBLY FOR PM35 - 346850A



Item	Part Number	Qty.	Description
1	208550	1	Actuator, Elechrome CH
2	274260	1	Clutch Arm Assembly
3	271260	1	Spacer, Clutch Actuator
4	274250	1	Stop, Clutch Actuator
5	271270	1	Plate, Clutch Mounting
6	271210	1	Bracket, Clutch Actuator Mounting
7	1030718	1	Pin, Clevis 1/2" x 2-1/2"
8	007080	2	Bolt, HHCS 1/2"-14 x 2-1/2"
9	035180	2	Bolt, Carriage 3/8"-16 x 1-1/4"
10	012260	2	Bolt, HHCS 3/8"-16 x 1"
11	005200	4	Washer, Flat 9/16" x 1-3/8" x 7/64"
12	112394	6	Washer, Flat 13/32" x 13/16" x 3/64"
13	021180	4	Washer, Lock 3/8"
14	127890	2	Nut, Hex 1/2"-13 Lock
15	027260	8	Nut, Hex 3/8"
16	124350	1	Pin, Cotter 1/8" x 1-1/2"
17	345800	1	Wire Assembly, 18/2 SHO 36"
18	277540	3	Clip, Wire - Rework
19	036890	1	Clip, Spring
20	020190	1	Nut, Hex 5/16"-18 Flange Lock
21	JN10212	1	Screw, Hex 5/16"-18 x 3/4" Flange

SELF-CONTAINED - ELECTRIC DISCHARGE DOOR ASSEMBLY

SHOWS ASSEMBLY FOR PM35



Item	Part Number	Qty.	Description
1	208550	1	Actuator, Elechrome CH
2	208520	2	Plate
3	274560	1	Cover Weldment, Back Hopper
4	208530	1	Door Weldment, Discharge
5	274040	1	Control Box
6	1030718	2	Pin, Clevis 1/2" x 2-1/2"
7	124350	2	Pin, Cotter 1/2" x 1-1/2"
8	208560	2	Bushing, Discharge Door
9	022420	4	Bolt, HHCS 3/8"-16 x 3/4"
10	271210	4	Washer, Lock 3/8"
11	027260	4	Nut, Hex 3/8"
12	149670	10	Tie, Nylon Cable
13	345800	1	Wire Assembly, 18/2 SJO 36"

SPECIFICATIONS

Grinder Mixers

Tank and Frame

	PM25	PM35
Capacity of mixing tank:	105 bu. (129 cu. ft.)	150 bu. (187 cu. ft.)
Height (variable with tire size):	106"	119"
Width without auger feeder:	95"	111"
Overall length:	170"	175"
Weight	3,540 lbs.	4,400 lbs.

Discharge Auger

Auger diameter:	7"	7"
Auger tube diameter:	8"	8"
Horizontal operating arc:	324°	316°
Vertical operating arc:	Infinite	Infinite

Auger Feeder

Auger length:	100"	100"
Auger diameter:	10"	10"
Hopper width open:	43"	43"
Height of hopper from ground in down position:	16-1/2"	16-1/2"
Height of hopper from ground in up position:	51"	60"

Mixing Auger

Auger width:	12"	12"
Mixing base:	24"	24"

Supplement Hopper:

Auger diameter	7"	7"
Hopper size:	21" x 24"	21" x 24"
Height from ground:	34"	39"

Hammer mills

Width of mill:	Full 20"	Full 26"
Screen area:	600 sq. in.	780 sq. in.
Operating speed of PTO:	540rpm	540 or 1000 rpm
Operating speed of mill:	2800 - 3000 rpm	2800 - 3000 rpm
Screen sizes available:	1/8", 5/32", 3/16", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2" & 2"	1/8", 5/32", 3/16", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2" & 2"
Type drive:	Six double banded 3V belts for 540 rpm	Six double banded 3V belts for 540 or 1000 rpm

Power required:

40 to 100 hp	80 to 150 hp
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SPECIFICATIONS - SELF-CONTAINED

PUMP (1000 RPM)

Type:	Gear Driven - Positive Displacement
Displacement:	2.00 cu. in. per revolution
Flow (GPM):	8.65 gallons per minute at 1000 RPM
Input hp Required:	11.9 hp at 2000 psi
Pressure:	3000 psi

HYDRAULIC RESERVOIR

Type:	Fabricated pickled and oiled steel
Capacity:	12.5 gallons
Ports:	Suction: 1-1/2" NPT Return: 3/4" NPT Drain 3/4" NPT

FILTERS/STRAINERS/BREATHERS

Tank Mounted Suction Strainer

Flow Capacity:	15 GPM
Style:	Suction Type
Screen Size:	100 Mesh
Thread Size:	1-1/2" NPT Male 1" NPT

Tank Mounted Filler Breather

Breather Filler:	40 Micron
Strainer Basket:	30 Mesh

Return Line Filter

Filtration:	10 Micron
Flow:	20 GPM
Internal Bypass:	Relieves at 15 psi differentiation
Ports:	3/4" NPT

HYDRAULIC MOTORS

Auger Feeder and Lift

Type:	Gear, low speed high torque
Displacement:	12.0 cu. in. per revolution
Flow:	9 gpm maximum
Pressure Rating:	1500 psi continuous, 2000 psi intermittent
Ports:	1/2" NPT

Swing

Type:	Gear, low speed high torque
Displacement:	20.0 cu. in. per revolution
Flow:	12 gpm continuous, 15 gpm maximum
Pressure Rating:	1000 pos continuous, 1400 psi intermittent
Ports:	1/2" NPT

VALVES

Directional Valve Assembly: Consisting of (2) DO3 Solenoid operated 4 way 3-Opportunity valves mounted on a common manifold.

Valves

Type:	DO3 4-way 3 position
Solenoids:	12V Electric
Flow:	System design 4 gpm, maximum 20 gpm
Pressure Drop:	20 psi @ 4 gpm, 150 psi @ 20 gpm
Misc.:	Manual overrides on each solenoid

Manifold

Type:	Series
Material:	Aluminum
Porting:	P & T 7/8"-14 SAE "O" Ring A & B 3.4"-16 SAE "O" Ring Gauge 7/16"-20 SAE "O" Ring

Flow Control

Construction:	Brass
Maximum	
Working Pressure:	2000 psi
Flow (maximum):	8 gpm
Porting:	3/8" NPT

Flow Divider

Flow:	2-14 gpm
Controlled Flow:	Preset at 4 gpm
Pressure:	3000 psi maximum
Ports:	1/2" NPT

System Relief

Relief Setting:	2000 psi
Flow:	30 gpm
Ports:	1/2" NPT

Dual Relief (Lift)

Maximum Pressure	3000 psi
Preset Pressure:	800 psi
Ports:	1/2" NPT

Adjustable Flow Control

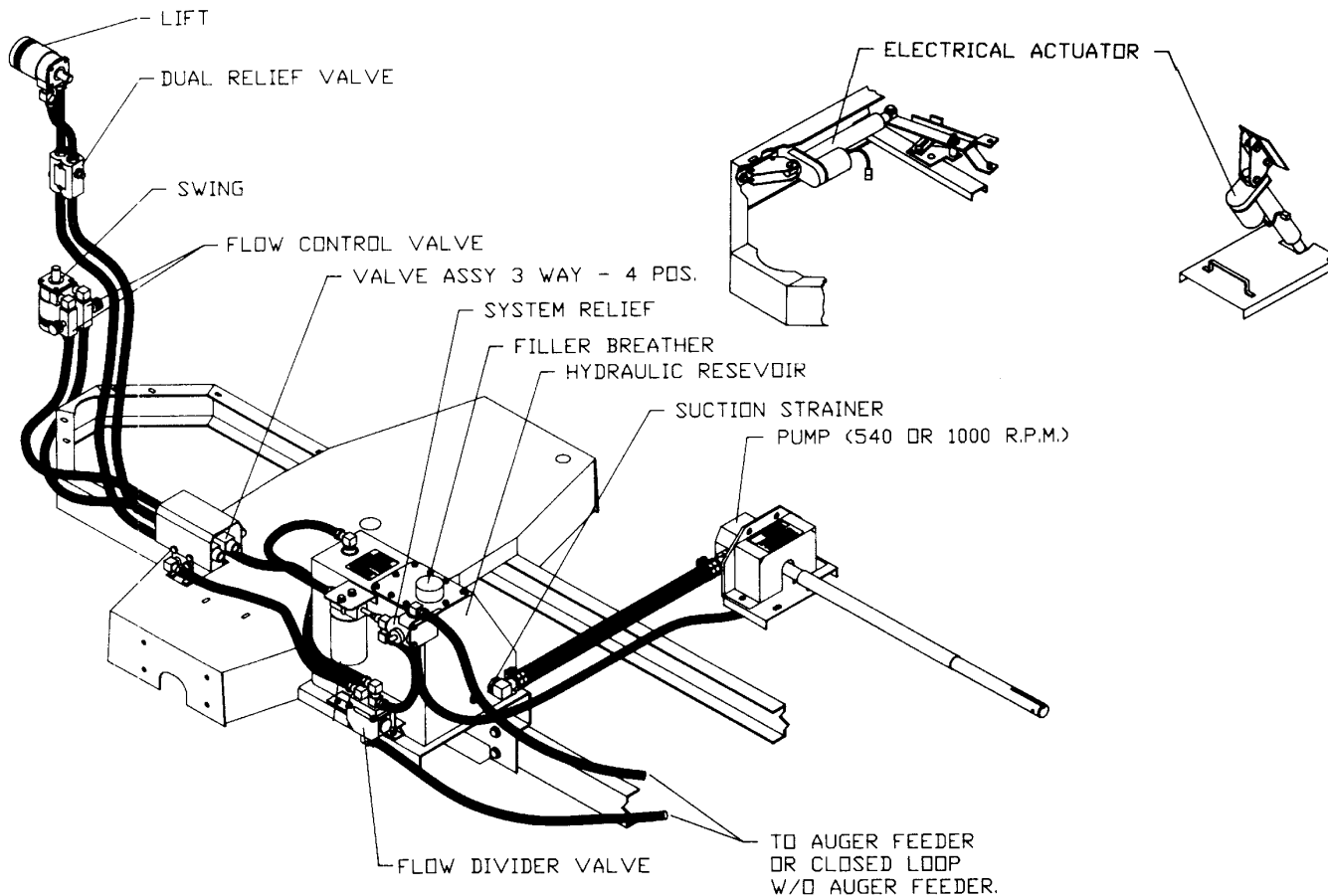
Flow Range:	0-16
Maximum Pressure:	3000 psi
Ports:	1/2" NPT

ELECTRICAL ACTUATORS

Type:	12 Volt DC
Load Rating:	250 lbs.
Stroke:	8"
Overload	
Protection:	Ball detent overload clutch
Drive:	Acme screw thread

SPECIFICATIONS

Self-Contained



Torque specification guide.

SIZE	CLAMP LOAD	PLAIN	PLATED
1/4 - 20(.250)	2,025	8 ft. lbs.	76 in. lbs.
5/16 - 18(.3125)	3,338	17 ft. lbs.	13 ft. lbs.
3/8 - 16(.375)	4,950	31 ft. lbs.	23 ft. lbs.
7/16 - 14(.4375)	6,788	50 ft. lbs.	37 ft. lbs.
1/2 - 13(.500)	9,075	76 ft. lbs.	57 ft. lbs.
9/16 - 12(.5625)	11,625	109 ft. lbs.	82 ft. lbs.
5/8 - 11(.625)	14,400	150 ft. lbs.	112 ft. lbs.
3/4 - 10(.750)	21,300	266 ft. lbs.	200 ft. lbs.
7/8 - 9(.875)	29,475	430 ft. lbs.	322 ft. lbs.
1 - 8(1.00)	38,625	644 ft. lbs.	483 ft. lbs.
1-1/8 - 7(1.125)	42,375	794 ft. lbs.	596 ft. lbs.

SAE bolt identification.

IDENTIFICATION OF SAE BOLT GRADES; HEAD MAKINGS	
Grades 0, 1, and 2 no markings	
Grades 5: 3 radial dashes 120° apart	
Grades 8: 6 radial dashes 60° apart	

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012270	23	23	013330	2	59	013930	19	48	020180	5	71
012270	28	25	013340	3	57	013930	19	49	020180	6	6
012270	28	55	013340	3	59	013950	19	41	020180	6	27
012270	66	53	013360	11	40	013950	39	33	020180	7	23
012330	20	53	013360	27	33	013960	24	9	020180	7	25
012410	6	19	013370	4	68	014000	5	83	020180	10	19
012410	6	40	013420	12	41	014280	1	69	020180	13	5
012410	6	66	013420	46	33	014280	4	57	020180	13	16
012410	8	32	013470	43	33	014280	4	59	020180	19	51
012410	9	16	013480	13	41	014280	4	63	020180	26	67
012410	15	67	013480	44	33	014280	4	65	020190	4	15
012410	20	31	013490	14	41	014280	6	30	020190	4	66
012410	25	37	013490	47	33	014280	46	53	020190	4	84
012410	25	45	013501	15	41	014770	14	81	020190	6	14
012410	25	47	013501	45	33	014770	36	5	020190	9	21
012410	27	5	013510	6	38	014940	7	30	020190	9	29
012420	5	61	013510	6	48	015060	22	53	020190	9	67
012420	27	55	013510	6	49	015120	6	55	020190	10	35
012500	7	19	013510	16	41	015120	8	61	020190	11	19
012500	39	29	013510	37	33	016520	8	11	020190	12	43
012520	4	27	013520	6	32	016750	10	38	020190	13	31
012520	10	16	013520	17	41	016750	10	48	020190	14	16
012550	5	38	013530	18	41	017200	19	57	020190	16	83
012550	5	48	013530	19	33	017200	19	59	020190	20	88
012550	5	49	013580	7	38	017200	19	63	020190	21	33
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012550	17	33	013580	7	49	018110	11	16	020190	26	37
012550	21	53	013600	6	61	018150	8	21	020190	26	45
012550	28	29	013600	23	29	018680	5	6	020190	26	47
012560	8	19	013600	24	67	018717	20	11	020220	5	7
012560	37	29	013600	26	55	018850	10	11	020240	15	17
012630	14	11	013670	8	38	018860	12	11	020270	3	7
012630	14	13	013670	8	48	018860	12	13	020280	7	7
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012820	35	33	013750	5	23	018920	20	59	020300	6	7
012920	9	40	013750	5	25	018920	20	63	020310	8	7
012920	28	33	013750	9	19	018920	20	65	020320	13	7
013080	3	5	013790	17	7	019050	21	57	020340	14	7
013080	8	35	013800	7	61	019050	21	59	020350	24	7
013080	8	43	013800	15	55	019050	21	63	020400	3	9
013120	19	35	013800	18	37	019050	21	65	020440	22	41
013120	23	43	013800	18	45	019150	2	15	020440	41	33
013170	4	6	013800	18	47	019150	5	14	020450	23	41
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020650	23	67	021180	23	81	022420	12	27	023260	31	17
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020700	18	17	021180	24	41	022420	25	59	023270	9	66
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020720	15	13	021190	9	30	022920	9	35	023620	12	31
020730	11	11	021190	11	21	022920	9	43	023620	13	21
020750	9	27	021190	13	23	022920	13	27	023620	14	19
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021180	5	29	021430	7	15	023060	5	32	023630	8	71
021180	5	68	021530	6	9	023060	10	61	023630	8	85
021180	7	14	021530	35	37	023060	12	21	023630	11	43
021180	8	6	021530	35	45	023060	14	23	023630	15	19
021180	8	30	021530	35	47	023060	14	25	023630	15	27
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023630	39	5	027660	47	53	034650	51	33	037880	12	35
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025670	9	32	028230	34	41	035180	37	17	039261	17	73
025670	16	19	029440	15	83	035190	35	29	039690	21	73
025670	16	67	029440	24	81	035200	16	27	039950	14	9
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025670	30	65	029440	33	65	035210	36	63	040370	3	3
025670	31	53	029440	48	53	035210	36	65	040440	32	11
025670	32	41	030030	10	67	035230	13	87	040440	34	13
025670	40	27	030030	22	31	035230	26	33	040581	2	73
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026630	17	11	030470	10	14	035420	18	13	040850	21	27
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027260	9	14	031560	34	59	036090	18	5	041060	8	68
027260	10	6	031560	34	63	036480	13	37	041070	8	68
027260	11	89	031560	34	65	036480	13	45	041090	7	68
027260	12	61	031560	49	53	036480	13	47	041100	7	68
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027260	15	88	032840	13	61	036480	22	1	041120	7	68
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027260	23	55	032970	34	53	036740	1	11	041140	3	68
027260	26	81	033080	13	43	036740	1	13	041440	28	9
027260	31	9	033230	11	6	036740	4	73	041440	54	17
027260	31	57	033320	35	53	036750	7	11	041460	11	38
027260	31	59	033460	4	29	036750	7	13	041460	11	48
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027260	31	65	033460	35	57	036780	15	73	041550	42	17
027260	32	33	033460	35	59	036780	33	11	041601	2	75
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027260	33	41	033460	35	65	036800	6	11	041740	50	53
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042320	10	13	110980	1	69	127890	14	88	149670	12	89
042330	13	13	111090	18	21	127890	17	61	149670	20	73
042370	15	9	111880	19	73	127890	40	41	149670	35	11
042370	32	5	111900	18	73	127920	40	33	149670	37	13
042390	3	69	112360	12	81	127920	41	41	150810	1	52
042440	11	13	112550	25	7	127960	39	41	150820	2	52
042960	13	83	113070	24	30	128040	12	14	150840	3	52
042960	19	9	113270	38	41	128040	12	15	150940	42	53
043121	-	75	113470	10	55	128500	22	51	151130	14	6
043221	5	31	113470	15	61	129260	51	53	151280	12	38
043230	6	31	113490	11	55	131190	11	7	151280	12	48
043480	31	27	113490	16	61	131960	5	55	151280	12	49
044370	8	11	113520	32	29	131960	18	61	151450	48	17
046060	19	23	113560	7	31	132871	19	27	151630	4	3
046060	19	25	113560	10	29	133850	17	30	151640	5	3
046090	3	71	114060	38	29	134240	4	67	151650	6	3
046130	20	23	115590	16	30	134290	5	67	151670	7	3
046130	20	25	115590	19	29	134310	22	67	151920	2	32
046640	5	57	115590	22	23	134320	21	67	151920	43	41
046640	5	63	115590	22	25	135440	22	73	152100	20	27
046640	5	65	116350	32	19	135450	23	73	152100	28	67
046640	33	81	116820	12	66	140820	31	29	152110	36	27
047000	21	9	117550	63	17	143700	18	67	152150	1	67
049290	38	53	117720	7	75	143700	41	53	152160	1	67
050150	9	5	120590	16	66	143710	21	35	152170	37	27
050230	19	13	120590	24	15	143710	24	43	152200	27	67
050920	-	37	120590	45	27	144270	12	67	152310	52	53
050920	-	45	120590	61	53	144640	6	67	152870	3	55
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100750	38	27	123900	40	53	145470	23	35	157670	25	43
100750	39	53	124350	7	89	145580	8	31	157670	44	41
103330	2	63	124350	16	88	145590	16	31	157830	45	41
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104360	18	29	126230	20	29	147060	16	73	158200	50	17
105210	43	17	126540	11	15	147060	34	11	158210	51	17
108850	10	15	126660	17	6	147060	36	13	158230	52	17
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158530	12	75	164020	8	5	166230	38	65	182230	2	2
158560	21	27	164420	21	11	166230	55	53	182890	13	1
158960	16	43	164420	21	13	166250	39	57	182890	13	2
158970	17	43	164550	1	71	166250	39	59	182900	12	1
158980	18	43	164560	3	83	166250	39	63	182900	12	2
159070	3	47	164560	42	57	166250	39	65	183301	21	30
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159460	1	75	164620	54	53	166290	40	59	185900	61	17
159460	11	71	164630	5	52	166290	40	63	185910	17	5
159810	21	61	165020	13	14	166290	40	65	187410	12	87
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160110	3	63	165440	7	51	166400	3	84	188340	24	25
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160120	1	63	165480	13	48	167100	59	17	196730	4	1
160120	1	65	165480	13	49	167450	39	11	196730	4	2
160130	6	57	165500	2	37	168620	8	75	196740	3	1
160130	6	59	165500	2	45	169220	19	19	196740	3	2
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160350	17	55	165660	16	45	170530	22	27	204510	4	75
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161510	7	57	165910	3	81	170530	49	33	205320	14	35
161510	7	59	165960	6	84	170530	60	17	205650	7	66
161510	7	63	165990	-	84	170970	38	33	205910	11	51
161510	7	65	166100	8	79	170970	50	41	205920	10	51
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163280	5	71	166150	9	71	171000	49	41	206490	21	19
163280	13	71	166230	2	71	171090	2	67	206500	22	19
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206770	8	52	218170	32	81	274090	1	86	346430	2	85
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206790	9	52	219870	2	11	274110	4	87	346450	4	85
208520	2	89	219870	2	13	274120	9	87	346500	1	81
208530	4	89	219870	3	73	274130	10	87	346690	5	86
208550	1	88	219880	8	73	274250	4	88	346690	5	87
208550	1	89	227420	6	75	274260	2	88	346740	10	86
208560	8	89	227430	11	75	274360	5	85	346750	8	86
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209390	12	86	241570	16	48	274390	5	81	349230	8	1
209590	3	86	241570	16	49	274400	4	81	349230	8	2
209590	3	87	242510	3	69	274410	9	81	349250	17	1
209680	19	75	243040	3	69	274420	19	83	349250	17	2
209700	17	87	247910	10	66	274430	16	79	349470	22	21
210440	10	52	247920	1	66	274440	17	79	349480	23	21
210810	13	52	248060	-	71	274460	4	71	349490	24	21
210830	12	52	248140	19	31	274460	8	83	349500	25	21
210850	14	52	248150	10	31	274460	10	71	349700	-	75
210860	45	53	252720	25	29	274460	20	21	349720	-	75
211490	9	55	253210	26	73	274470	8	81	350090	9	76
211490	24	61	253211	26	73	274480	30	81	350100	10	76
212350	13	75	253212	26	73	274500	28	81	350150	7	76
212450	19	75	254060	1	79	274560	3	89	350160	8	76
212470	2	86	254060	8	29	274570	17	48	354180	1	2
212470	2	87	254160	5	51	274570	17	49	354640	4	37
212490	2	83	258540	21	21	274850	20	83	354640	4	45
212490	6	71	268860	34	37	274860	2	81	354650	24	1
212490	17	71	268860	34	45	277270	-	71	354650	24	2
212490	27	21	268860	34	47	277540	18	88	354660	25	1
212510	63	53	268860	36	75	286680	15	1	354670	4	47
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212660	8	59	270260	7	87	315180	23	5	355660	5	1
213000	8	57	270620	9	83	326720	15	33	355660	5	2
213000	8	63	270620	58	53	340100	1	2	355670	6	1
213000	8	65	271170	13	79	340120	19	1	355670	6	2
213310	3	29	271180	14	79	340130	1	1	355680	10	1
213340	36	29	271210	6	88	340140	9	1	355680	10	2
213430	16	29	271210	10	89	340140	9	2	355690	11	1
213530	30	29	271230	5	84	340180	16	1	355690	11	2
213900	22	35	271260	3	88	340180	16	2	361261	14	75
213900	26	43	271270	5	88	340190	20	1	361271	15	75
214140	7	29	273210	18	83	340190	20	2	361281	16	75
214150	9	9	274040	5	89	340210	19	2	361291	26	75
215800	11	66	274050	4	83	345800	13	89	361300	33	37
216020	31	5	274060	6	87	345800	17	88	361300	33	45
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Quality Manufacturers of:

- **SupRaMix® - forage vertical tub mixer**
425, 500 or 710 cu. ft. capacity
- **Portable Mixer-Processor**
105 bushel with 20" hammer mill or 150 bushel with 26" hammer mill.
- **GRIXXER - Mixer Processor**
Economical portable 105 bushel Grinder Mixer with a 20" hammer mill — other options available.
- **CATTLEMAXX - Cattle Processing**
105 bushel or 150 bushel with 20" roller mill for cattle applications.
- **Hammer Mills**
26" electrically or PTO driven mills.
- **Roller Mills**
10", 20", 30" or 36" PTO or electrically driven mills.
- **SCALE SYSTEMS**
Electronic weighing equipment — from basic weighing to a computerized system.
Platform Scales
Universal Scales
Small Animal Scales
Mounting Scales
Scale Accessories
Indicators, single ingredient & Batching
- **UFT Grain Drills**
10', 12', 15' or 30' seeding width.
- **UFT High Dump Wagons**
- **Speedy Edible Bean Equipment**
- **Finishing Mowers**
60" or 72" Mid-Mount Mount
72" Rear Mount Mowers.
- **Eversman PreSeeder**
15' to 30' tillage tool that prepares the ideal seed bed, incorporates chemicals and plants in one pass.
- **Eversman Ditchers**
43" to 84" ditch width.
20" to 33" ditch depth.
- **Eversman Land Planes**
16', 20' or 24' blade widths.
- **Sugar Beet Defoliators**
4 to 12 row defoliators with different row spacings. Optional hydraulic or mechanical scalpings.
- **Sugar Beet Harvesters**
4 to 8 row harvesters with different row spacings.
- **MEGA tater**
4-row potato harvester.
- **LOGAN - Potato Equipment**
Potato Harvesters, Potato Planters, Windrowers and Bulk Boxes.
- **Art'-Way/UFT Flail Shredders**
Various cutting widths.
- **Grain Wagons**
350 bushel or 475 bushel center dump.
280 bushel, 320 bushel, 390 bushel or 470 bushel side dump.

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