



Art's-Way Manufacturing Co., Inc.

Model 5105
Grinder/Mixer

Illustrated Parts List
560490

Issued 05-2007



This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death.

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.

WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

1. READ THE OPERATOR'S MANUAL.
2. READ ALL SAFETY DECALS ON THE MACHINE.
3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE AND CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Art's-Way Manufacturing Co., Inc. dealer or Art's-Way Manufacturing Co., Inc. for additional operator's manuals, illustrated parts catalogs, and service manuals.

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 have many years of efficient and reliable service.

Many people have worked on the design, production, and delivery of this Grinder/Mixer. The information in this manual is based on the knowledge, study, and experience through years of specializing in the manufacturing of farm machinery. This manual is designed to provide you with important information regarding safety, maintenance, and machine operation so you can and will get the best possible performance from your Grinder/Mixer.

Even if you are an experienced operator of this or similar equipment, we ask that you read this manual before operating 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 product 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 and/or add improvements to our products without obligation for the equipment previously sold.

Modifications to this Grinder/Mixer may affect the performance, function, and safety of its operation. Therefore, no modification are to be made without the written permission of Art's-Way Manufacturing Co., Inc. Any modification made without the written permission of Art's-Way Mfg. Co. 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(s) throughout this manual.

ART'S-WAY MANUFACTURING CO., INC. STATEMENT OF PRODUCT LIABILITY

Art's-Way Manufacturing Co., Inc. recognizes its responsibility to provide customers with a safe and efficient product. Art's-Way Manufacturing Co., attempts to design and manufacture its products in accordance with all accepted engineering practices effective at the 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 nor will Art's-Way Manufacturing Co., be liable for any such act. In addition, Art's-Way Manufacturing Co., assumes no liability for any altered product or any modified product by users or anyone other than an authorized dealer.

IMPORTANT WARRANTY INFORMATION

The warranty for this Grinder/Mixer appears on page 4 of this manual. In order to establish proper warranty registration, the Warranty Registration must be completed and returned to the factory. Failure to comply with this requirement may result in reduced warranty allowances.

LIMITATIONS OF THIS MANUAL

This manual contains operating instructions for your 5105 Grinder/Mixer only. Any mention of other machinery in this manual other than the 5105 Grinder/Mixer is for reference only. This manual does not replace nor is it to be used for any machinery that may be attached to or used in conjunction with the 5105 Grinder/Mixer.

PARTS & SERVICE

As the purchaser of your new 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.: _____

5105 Grinder Mixer Serial Number Location

The placard containing the serial and model number is located on the front left-hand side of the 5105 grinder mixer. Enter the serial and model number of your 5105 grinder mixer within the space provided.



Figure 1 –Serial and Model Placard Location



Figure 2 – Serial Model Number Placard

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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 (original) 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 that upon manufacture were defective in material or workmanship.
- All parts and repairs under this warranty shall be supplied at Art's-Way Manufacturing Co., Inc. or an authorized Art's-Way Manufacturing Co., Inc. dealer, 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 other manufacturers.
- 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/or 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 alternation or repair by other than an authorized Art's-Way Manufacturing Co., Inc. dealer which affects the product materially and adversely, shall void the 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.
- 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 that vary from state to state.

SAFETY FIRST

“A careful operator is the best insurance against an accident”

(National Safety Council)

Most accidents can be prevented if the operator:

- Fully understands how the machine functions
- Can anticipate situations which may produce problems
- Can make necessary corrections before problems develop



Figure 3 - Universal Safety Alert Symbol

**THIS SYMBOL MEANS
ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!**

The American Society of Agricultural Engineers has adopted the Universal Safety Alert Symbol as a way to identify areas of potential danger if the equipment is not operated correctly. (See Figure 4.) Please be alert whenever you see this symbol in the manuals or on your grinder/mixer.

Art's-Way Manufacturing Co., Inc. strives to make our equipment as safe as possible. The Art's-Way 5105 Grinder/Mixer conforms to applicable safety standards at the time of manufacturing. A safety conscious equipment operator makes an effective accident-prevention program complete.

Safety features and instructions for the harvester are detailed in the Safety Guidelines section of this Operator's Manual. It is the responsibility of the owner to ensure that all operators read and understand the manual before they are allowed to operate the grinder/mixer. (Occupational Safety and Health Administration (OSHA) regulations 1928.57.)

NOTICES OF DANGER, WARNING, AND CAUTION

Signal Words: Note the use of signal words **DANGER**, **WARNING**, and **CAUTION** on the grinder/mixer and in this manual. The appropriate signal word for each has been selected using the following guidelines:



DANGER: IMMEDIATE AND SPECIFIC HAZARD WHICH *WILL* RESULT IN SEVERE PERSONAL INJURY OR DEATH IF PROPER PRECAUTIONS ARE NOT TAKEN.



WARNING: SPECIFIC HAZARD OR UNSAFE PRACTICE *COULD* RESULT IN SEVERE PERSONAL INJURY OR DEATH IF PROPER PRECAUTIONS ARE NOT TAKEN.



CAUTION: A REMINDER OF GOOD SAFETY PRACTICES. PERSONAL INJURY *COULD* RESULT IF PROPER PROCEDURES ARE NOT FOLLOWED.



SAFETY GUIDELINES



Remember:

“The Best Operator is a Safe Operator”



CAUTION: READ AND UNDERSTAND THE OPERATOR'S MANUAL AND ALL THE SAFETY DECALS BEFORE OPERATING THE GRINDER MIXER. REVIEW ALL SAFETY INSTRUCTIONS WITH ALL OPERATORS ANNUALLY.

BEFORE OPERATING

- Do not wear loose fitting clothing as it may catch in moving parts.
- Make sure to install and/or secure all guards, doors and shields, including the tractor power take-off (PTO) master shield, before starting or operating the Grinder Mixer.
- Be sure that the correct implement driveline parts are used and that they are properly secured.
- Install the safety chain when attaching the Grinder Mixer to the tractor.
- Clear the area of bystanders, especially children, when making repairs, adjustments or performing maintenance on the Grinder Mixer.
- Do not allow riders.
- Put all tractor and machine controls in “neutral” and disengage the PTO before starting. Follow the starting instructions according to your tractor Manual.
- Operate the Grinder Mixer only while seated on the tractor seat.
- Make sure the unit is adequately supported with safety blocks or safety stands when changing tires or performing maintenance.



CAUTION: KEEP WELL CLEAR OF MOVING PARTS. BE SURE TO SHUT OFF THE TRACTOR AND SET THE PARKING BRAKE. REMOVE THE TRACTOR KEY WHILE MAKING ANY ADJUSTMENTS. WAIT FOR ALL MOVEMENT TO STOP BEFORE APPROACHING THE MACHINE.

DURING OPERATION

- Keep hands, feet, hair, and clothing away from moving parts.

- Keep all guards, doors and shields in place and in good working condition.
- Keep all bystanders, especially children, away from the grinder mixer while in operation.
- Do not allow riders while the grinder mixer is in operation.
- Do not attempt to unclog, clean, or adjust the grinder mixer while it is running.
- Stay away from overhead power lines. Electrocutation can occur even without direct contact.
- Keep all hydraulic lines, fittings, and couplers tight and free of leaks. (Refer to - Hydraulic Safety.)
- Use caution when ascending or descending on the grinder mixer. Wet shoes or boots are slippery.

MAINTENANCE SAFETY

- Follow all operating, maintenance and safety instructions found in this Manual.
- Before servicing, adjusting, repairing or unclogging the machine, always make sure the tractor engine is stopped, the parking brake is set, and all the moving parts have stopped.
- Use sufficient tools, jacks, and hoists that have the capacity for the job.
- Use support blocks or safety stands when changing tires or performing maintenance.
- Follow good shop practices of keeping the service area clean and dry and use adequate light for the job at hand.
- Before applying pressure to the hydraulic system, make sure all lines, fittings and couplers are tightly secured and in good condition.
- Make sure all guards, doors and shields are in place and properly secured when performing maintenance.

HYDRAULIC SAFETY

- Make sure components in the hydraulic system are kept clean and in good working condition.
- Relieve pressure from the hydraulic system before servicing or disconnecting from the tractor.
- Keep all hydraulic lines, fittings, and couplers tightly secured and free of leaks.
- Replace any worn, cut, abraded, flattened or crimped hoses.

- Do not make any temporary repairs to the hydraulic lines, fittings or hoses using tape, clamps, or cement. The hydraulic system operates under extremely high pressure and temporary repairs may fail suddenly and create a hazardous and or dangerous situation.
- Wear proper hand and eye protection when searching for a high-pressure hydraulic leak. Use a piece of wood or cardboard as a backstop instead of hands to identify and isolate a leak. If injured by a concentrated high-pressure stream of hydraulic fluid, seek medical attention immediately. Serious infection or toxic reaction can develop if hydraulic fluid penetrates the surface of the skin.
- Before applying pressure to the system, make sure all components are tight and that the hydraulic lines, hoses, and couplings are not damaged.

TRANSPORTATION SAFETY

- Make sure the grinder mixer complies with all local regulations regarding the transportation of equipment on public roads and highways.
- Make sure the Slow Moving Vehicle (SMV) emblem and all lights and reflectors required by local highway and transportation authorities are properly in place, clean, and clearly visible to traffic.
- Do not allow riders on any machinery during transport.
- Make sure the grinder mixer is securely attached to the tractor and install a safety chain to the grinder mixer.
- Make sure the tractor brake pedals are latched together.
- Do not exceed 20 mph (32 km/h) when transporting the grinder mixer. Always reduce speed on rough roads and surfaces, or when going down inclines.
- Use caution when turning and always use the turn signals on the tractor to indicate your turning intentions to the other traffic.
- The weight of the trailed machine should NEVER exceed the weight of the towing vehicle.
- Check all clearances carefully whenever the machine is towed.
- Lower the elevator into the transport position before transporting the grinder/mixer on the highway.
- Stay away from overhead obstructions and power lines during transport. Electrocutation can occur even without direct contact.

STORAGE SAFETY

- Store the grinder mixer in an area away from human activity.
- Do not permit children to play on or around the stored machine at any time.
- Make sure that the grinder mixer is stored in an area with a firm and level base to prevent the machine from tipping or sinking into the ground.
- Block the wheels to prevent the machine from rolling.

TIRE SAFETY

- Have only a qualified tire dealer or tire repair service perform tire repairs.
- Do not attempt to install a tire on a wheel or rim unless you have the proper equipment and experience to do the job.
- Follow proper procedures when installing a tire on a wheel or rim to prevent an explosion that could result in serious injury.
- Do not substitute tires with a lesser road rating and/or capacity for the original equipment tires.



CAUTION: FAILURE TO FOLLOW PROPER PROCEDURES WHEN INSTALLING A TIRE ON A WHEEL OR RIM CAN PRODUCE AN EXPLOSION THAT MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT ATTEMPT TO INSTALL A TIRE UNLESS YOU HAVE THE PROPER EQUIPMENT AND EXPERIENCE TO PERFORM THE JOB. REPLACEMENT, REPAIR, AND/OR MAINTENANCE SHOULD BE DONE BY A QUALIFIED TIRE DEALER OR QUALIFIED REPAIR SERVICE.

ASSEMBLY SAFETY

- Use adequate manpower to perform assembly procedures safely.
- Assemble the grinder mixer in an area with sufficient space to maneuver the largest components and allow easy access to all sides of the machine.
- Use only forklifts, lift cranes, jacks and tools with sufficient capacity for the loads.
- Do not allow spectators, especially children, in the working area.

Remember:

“The Best Operator is a Safe Operator”

ILLUSTRATED PARTS LIST

- The figure item corresponds to the number shown in the illustration. Figure items having a dash “-“ next to the number indicates that the figure item is not displayed on the corresponding illustration.
- Numbers listed in the part number column are the numbers under which the parts are manufactured and by which the parts are identified by the manufacturer.
- Requirement shown in the Units Per Assy column is per Harvester or assembly. Items that have no specified quantity are designated by the letters “AR” (as required). “RF” listed in the Units Per Assy column indicates that the item is listed as a reference and the requirement is listed in another figure of the IPC.

The relationship of component parts of an installation or assembly may be determined by the degree of indenture in the nomenclature column. The next higher assembly can be found by referring to the first indentation above and to the left. The following example shows the format of this indented system:

<pre> 1 2 3 4 * * * * DETAIL PART OR ASSEMBLY * DETAIL PART BREAKDOWN OR ASSEMBLY BREAKDOWN * * ADDITIONAL BREAKDOWN OF DETAIL PART OR ASSEMBLY * * * ADDITIONAL BREAKDOWN OF DETAIL PART OR ASSEMBLY </pre>

ALPHANUMERIC INDEX

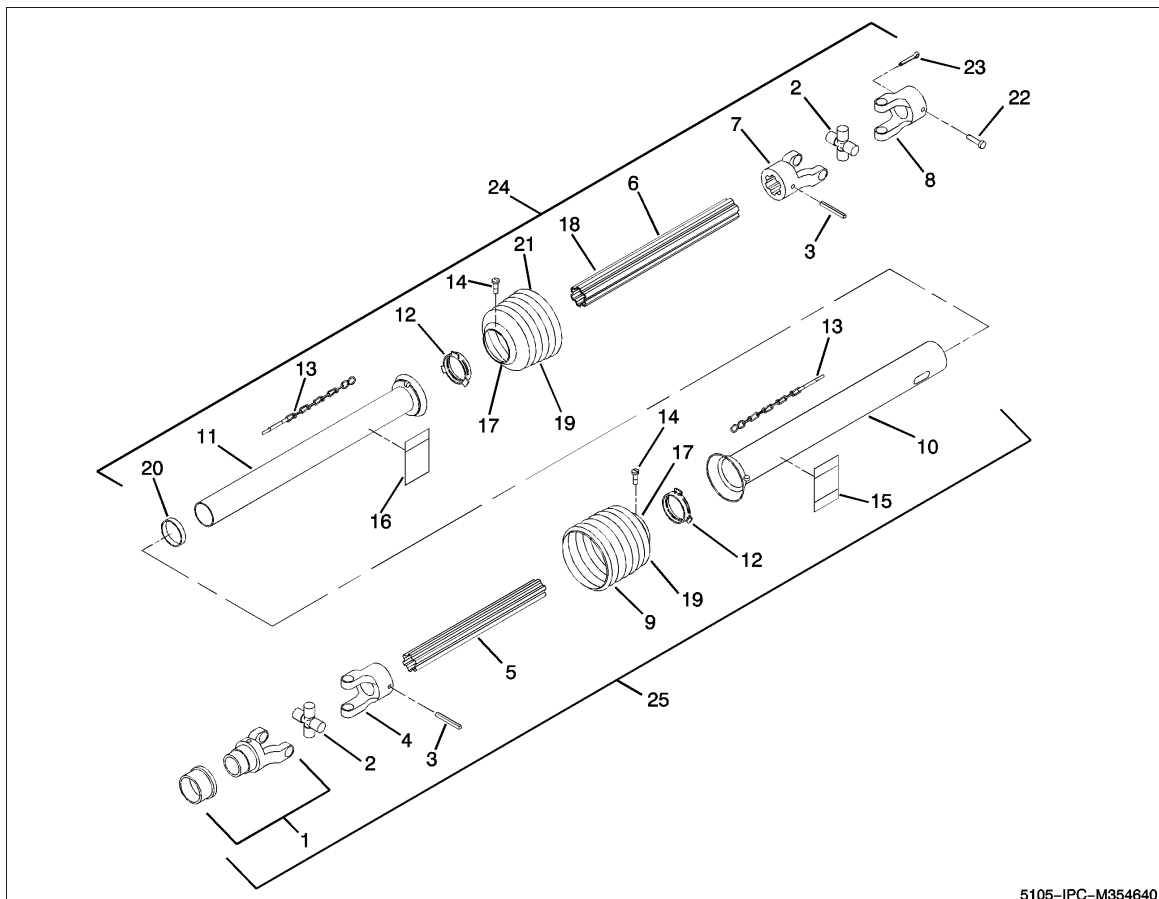
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469750.....	19	529200.....	19	560640.....	15
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470960.....	22	529230.....	41	E192016.....	65
470970.....	22	529240.....	41	E276028.....	45
471690.....	22	529260.....	41, 43	E292002.....	64
472450.....	67	529270.....	43	E376001.....	65
472460.....	67	529300.....	43	JAT55441.....	59
473840.....	22	529320.....	43	W154550016.....	64
486680.....	64	529400.....	67		

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IMPLEMENT DRIVELINE ASSEMBLY 540 RPM

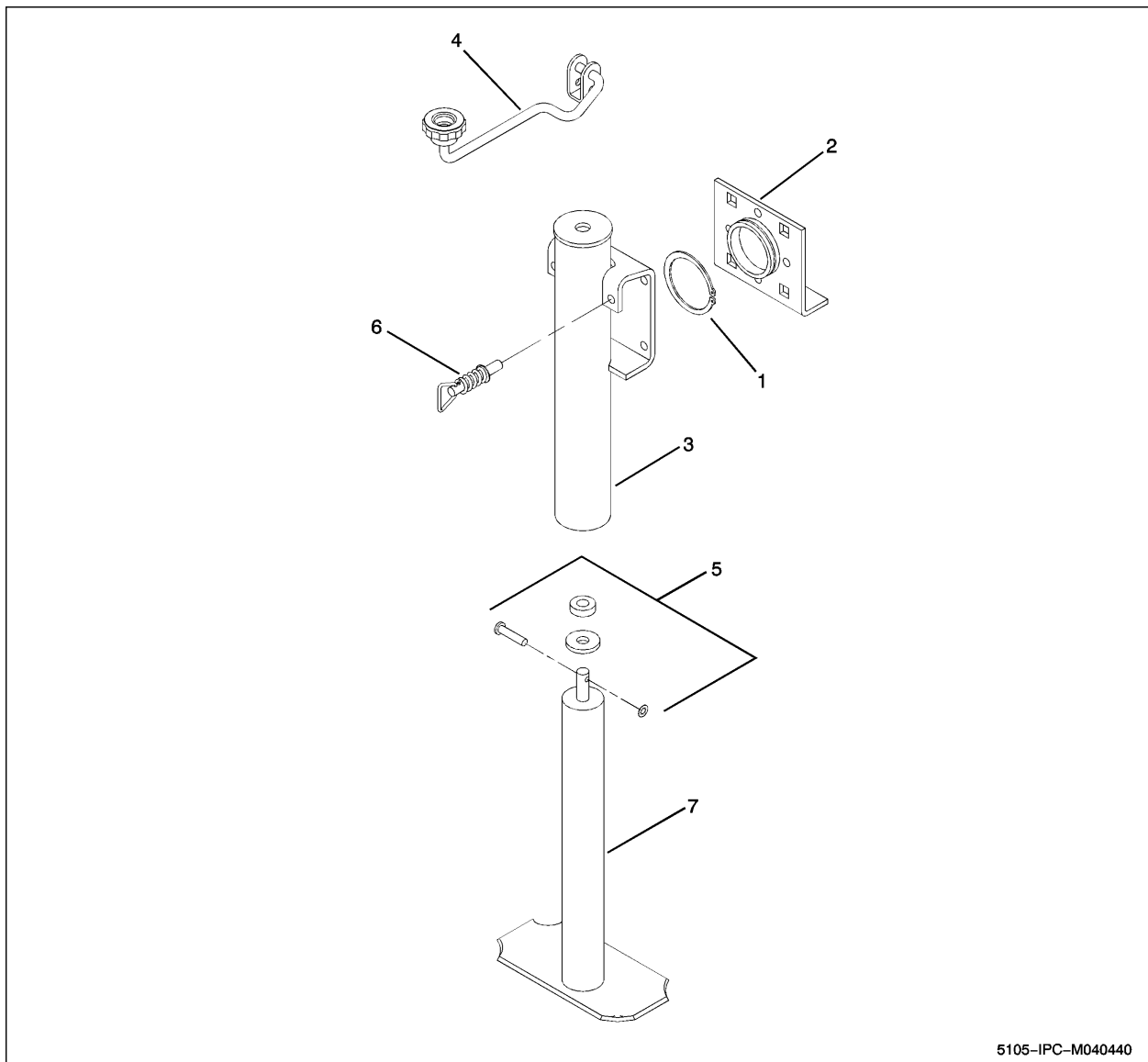


5105-IPC-M354640

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	354640	IMPLEMENT DRIVELINE ASSEMBLY 540 RPM	RF
1	340130	YOKE, 1-3/8 – 6 SPL AS	1
2	182230	KIT, CROSS AND BEARING	2
3	196740	PIN, SPRING 10 X 90	2
4	196730	YOKE, INBOARD	1
5	355660	SHAFT, INNER PROFILE	1
6	355670	TUBE, OUTER PROFILE	1
7	196770	YOKE, INBOARD	1
8	349230	YOKE, 1-5/8 R8, 3/8 KEYWAY	1
9	340140	SHIELD, CONE 7 RIB	1
10	355680	TUBE, OUTER SHIELD	1
11	355690	TUBE, INNER SHIELD	1
12	182900	RING, SC 24 BEARING	2
13	182890	CHAIN, SAFETY	2
14	345980	SCREW, SHIELD (PART OF FIG ITEM #9)	2
15	340170	DECAL, DANGER ROTATING DRIVE LINE	1
16	340180	DECAL	1
17	349250	REINFORCED COLLAR	2
18	196890	ZERK, 3/16 DRIVE GREASE (PART OF FIG ITEM #6)	1
19	340120	KIT, SLIDE COLLAR	1
20	340190	SUPPORT BEARING	1
21	387770	SHIELD CONE 5 RIB	1
22	036480	PIN, CLEVIS	1
23	020700	PIN, COTTER	1

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JACK ASSEMBLY

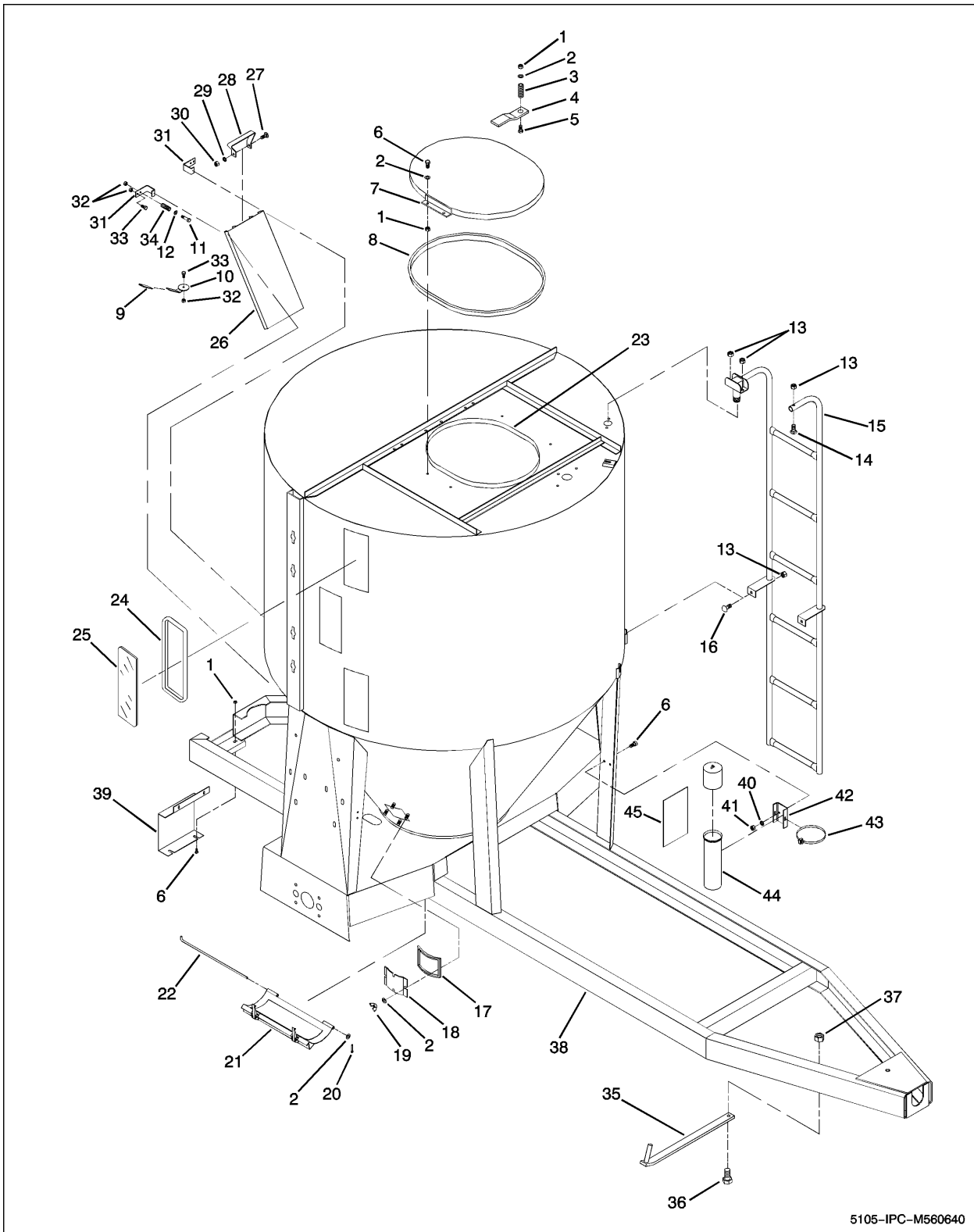


5105-IPC-M040440

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	040440	JACK STAND	RF
1	040290	RING, RETAINING, 5100-250	1
2	040300	BRACKET, SWIVEL	1
3	040370	TUBE AND BRACKET ASSEMBLY	1
4	151630	KIT, CRANK HANDLE ASSEMBLY	1
5	151640	KIT, THRUST WASHER ASSEMBLY	1
6	151650	PLUNGER ASSEMBLY	1
7	151670	TUBE ASSEMBLY, 14 INCH INNER	1

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TANK ASSEMBLY



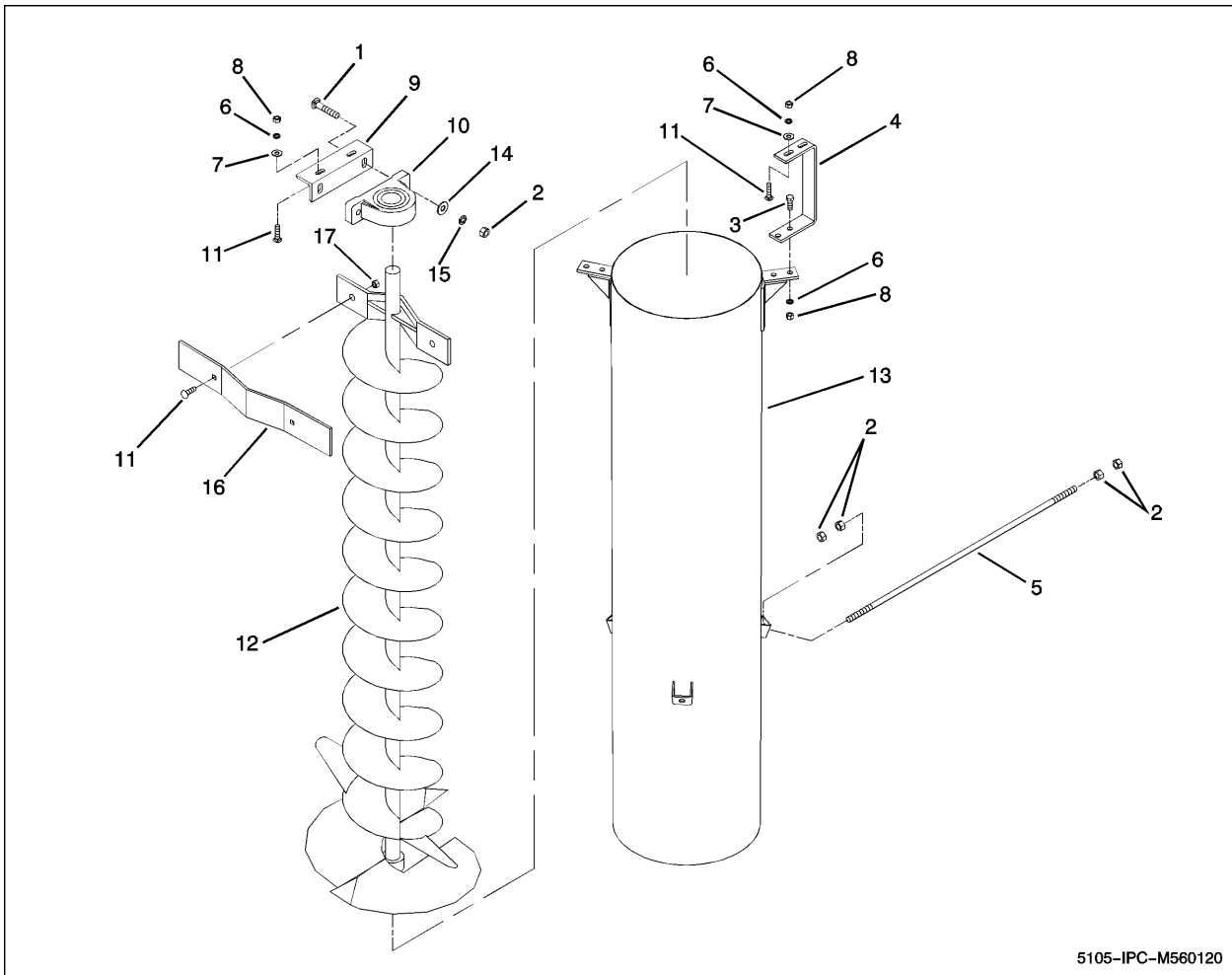
5105-IPC-M560640

TANK ASSEMBLY

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560640	TANK ASSEMBLY	RF
1	025670	NUT, 5/16 LOCK	4
2	022920	WASHER, 5/16 FLAT	13
3	013080	SPRING, COMPRESSION	2
4	022930	BRACKET, LID LOCKING	2
5	009800	BOLT, HHCS 5/16 X 2-1/2	2
6	012140	BOLT, HHCS 5/16 X 3/4	2
7	035661	LID AND HINGE WELDMENT	1
8	164020	SEAL, TANK LID	1
9	050150	GRIP, RED HANDLE	1
10	204690	ECCENTRIC WELD	1
11	E672368	BOLT, HHCS 1/4 X 2-1/4	2
12	023260	WASHER, 1/4 FLAT	2
13	020180	NUT, 3/8 LOCK	5
14	J03H1558	BOLT, CRG. 3/8 X 1-1/2	1
15	365670	LADDER WELD ASSEMBLY	1
16	213900	BOLT, CRG. 3/8 X 1	1
17	185910	STRIP, SEALING	2
18	036090	DOOR, CLEAN OUT	2
19	009790	NUT, WING 5/16	8
20	021210	PIN, COTTER 3/32 X 1	1
21	363990	COVER WLDT., TROUGH	1
22	156970	PIN, HINGE	1
23	962040	RUBBER ADHESIVE 5 OZ.	AR
24	012020	RUBBER, WINDOW FRAME	3
25	012050	WINDOW, GLASS	3
26	204670	DOOR, UNLOADING SLIDE	1
27	012410	BOLT, CRG. 5/16 X 3/4	2
28	204680	HANDLE, DOOR	1
29	023620	WASHER, LOCK 5/16	2
30	023630	NUT, 5/16 HEX	2
31	216020	HOLDER, SLIDING DOOR	2
32	042370	NUT, 1/4 LOCK	5
33	012051	BOLT, HHCS 1/4 X 3/4	3
34	011130	SPRING, SLIDE HOLDER ASSY	2
35	379470	HOLDER, PTO	1
36	014770	BOLT, HHCS 1/2-13 X 1-1/2	1
37	037540	NUT, LOCK 1/2-13 GR5 ZN NYLON	1
38	560010	FRAME AND TANK WLDT., 105 BU PORTABLE	1
39	365190	BRACKET, SHORT	1
40	023620	WASHER, LOCK 5/16 INCH	1
41	023630	NUT, HEX 5/16 INCH – 18	2
42	458080	BRACKET, TUBE MOUNT	1
43	455160	CLAMP, HOSE	1
44	449190	TUBE, MANUAL HOLDER	1
45	560490	MANUAL, IPL 5105 GM	1
-45A	560500	MANUAL, OPERATORS 5105 GM	1

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MIXING AUGER ASSEMBLY



5105-IPC-M560120

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560120	MIXING AUGER ASSEMBLY	RF
1	991200	BOLT, CRG 1/2-13 X 2 GR5, ZN	2
2	005360	NUT, HEX 1/2-13 GR5, ZN	14
3	011370	BOLT, HHCS 3/8-16 X 1-1/2 GR5	4
4	018680	SUPPORT, MAIN AUGER TUBE	2
5	021020	ROD, MIX AUGER TUBE	3
6	021180	WASHER, LOCK 3/8 INCH	10
7	021190	WASHER, FLAT 0.438 X 1.0 X 0.083	6
8	027260	NUT, HEX 3/8-16 GR5, ZN	10
9	516090	HANGER, BEARING	1
10	013960	BEARING, PB 1-5/8 CI HSG W/ LC	1
11	035180	BOLT, CRG 3/8-16 X 1-1/4 GR5	8
12	363970	AUGER WLDT., MIXING 105 BU.	1
13	363880	TUBE, MIXING AUGER 105 BU.	1
14	005200	WASHER, FLAT 1/2 STD.	2
15	005370	WASHER, LOCK 1/2	2
16	126660	PADDLE, MIXING AUGER	1
17	020180	NUT, LOCK 3/8-16 HEX FLG	2

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GEARBOX ASSEMBLY, MIXER

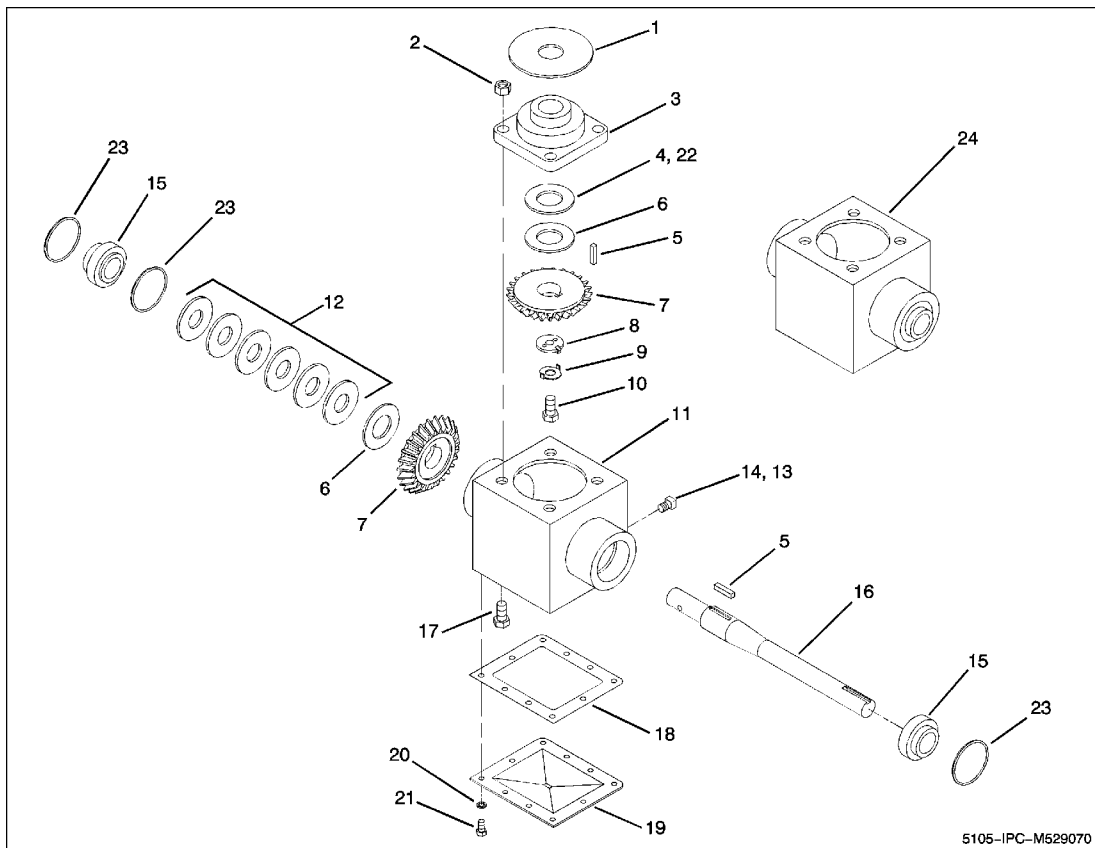
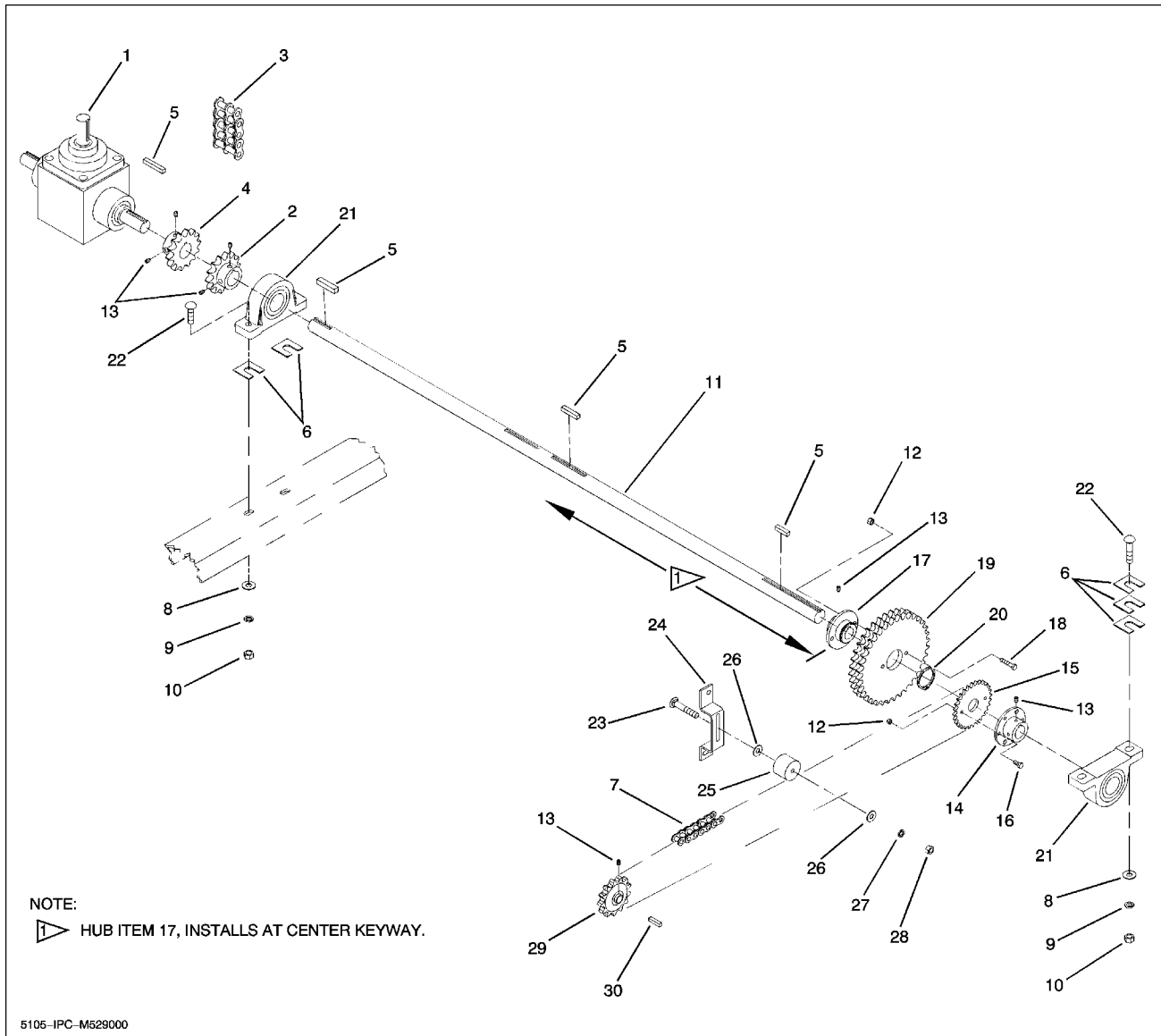


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529070	GEARBOX ASSEMBLY, MIXER	RF
1	010570	PLATE, BEARING PROTECTOR	1
2	037540	NUT, LOCK 1/2 G5 ZN	4
3	020270	BEARING, FLANGE 1-5/8 INCH	1
4	020290	WASHER, FLAT 1.65 X 2.12 X 0.134	1
5	020220	KEY, SQ. 5/16 X 1.25	2
6	020300	WASHER, FLAT 1.65 X 2.12 X 0.048	2
7	020280	GEAR, BEVEL 1-5/8	2
8	020310	WASHER, SPECIAL LOCK	1
9	010720	WASHER, BOLT LOCK	1
10	010730	BOLT, HHCS 1/2 X 1.25	1
11	020330	GEARBOX, MACHINED, A-33	1
12	529050	WASHER, 1.44 X 2.25 X 0.048	6
13	1120123	PIN, COTTER 1/8 X 1-1/4	1
14	020341	PLUG, PIPE 3/4	1
15	529090	BEARING, BALL, 1-7/16 CYL	2
16	529100	SHAFT, GEARBOX 1.44 X 18.0	1
17	013790	BOLT, HHCS 1/2 X 2.25 G5 ZN	4
18	010740	GASKET, GEARBOX	1
19	010750	COVER, GEARBOX	1
20	023620	WASHER, LOCK 5/16 ZN	10
21	012140	BOLT, HHCS 5/16 X 0.75 G5 ZN	10
22	126940	WASHER, FLAT 1-21/32 X 2.0 X 9/64	1
23	020350	RING, RETAINING INTERNAL	3
24	529080	GEARBOX, W/ BEARINGS	1
25	961960	PERMATEX ULTRA BLUE	AR
26	963130	90W GEAR OIL SAE	AR

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DRIVE AND GEARBOX ASSEMBLY, LOWER

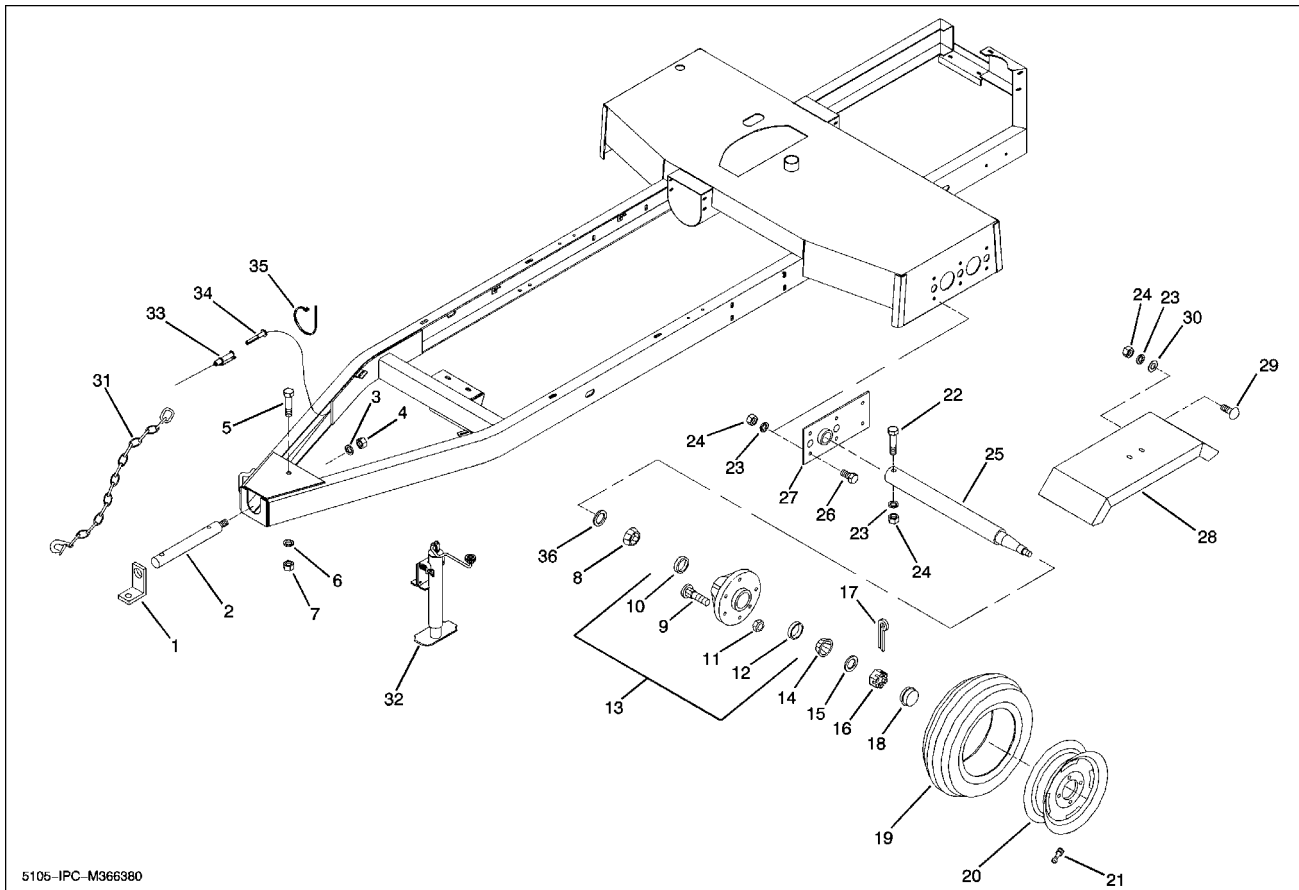


DRIVE AND GEARBOX ASSEMBLY, LOWER

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529000	DRIVE AND GEARBOX ASSEMBLY, LOWER	RF
1	529070	GEARBOX ASSY, 5105/5165 GM	1
2	461150	SPROCKET, 60B14 COUPLER	1
3	163770	CHAIN ASSY, 60-2 14P INC CONN	1
4	529110	SPROCKET, 60B14 1.44 I.D.	1
5	021530	KEY, SQ. 3/8 X 2	4
6	1486454R1	SHIM, 0.030 INCH BLADE	8
7	214150	CHAIN, ROLLER 2040 X 33P	1
8	005200	WASHER, FLAT 0.562 X 1.38 X 0.109 ZN	4
9	005370	WASHER, LOCK 1/2 INCH ZN	4
10	005360	NUT, HEX 1/2-13 GR5, ZN	4
11	461870	SHAFT, MIXER DRIVE	1
12	042370	NUT, HEX LOCK 1/4-20 GA, CZ	4
13	010990	SCREW, AHSS 5/16-18 X 0.31 PL	8
14	461890	HUB WLDT., SHEAR 1.625 BORE	1
15	461880	PLATE, SPRKT. 40A28 1-5/8 ID	1
16	042960	BOLT, HHCS 1/4-20 X 1.0 GR5	2
17	469750	HUB WLDT., SHEAR 1.625 I.D.	1
18	047000	BOLT, HHCS 1/4-20 X 1-1/2 GR5	2
19	529200	SPROCKET, D60A36 DOUBLE	1
20	040290	RING, RETAINING	1
21	013960	BEARING, 1-5/8 PB, CI HSG W/ LC	2
22	991200	BOLT, CRG 1/2-13 X 2.0 GR5	4
23	117550	BOLT, CRG 3/8-16 X 2-1/4 GR5	1
24	365890	BRACKET, MILL TO MIXER IDLER	1
25	041440	TIGHTENER, CHAIN	1
26	021190	WASHER, FLAT 0.438 X 1.0 X 0.083	2
27	021180	WASHER, LOCK 3/8 INCH	1
28	027260	NUT, HEX 3/8-16 GR5	1
29	021860	SPROCKET, 40B24 1.12 BORE	1
30	020760	KEY, PAR, 5/16 SQ. X 1.125	1

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SPINDLE, HITCH, AND HUB ASSEMBLY (STANDARD – 366380 AND SCALE – 366400)



5105-IPC-M366380

SPINDLE, HITCH, AND HUB ASSEMBLY (STANDARD – 366380 AND SCALE – 366400)

FIG ITEM	PART NUMBER	NOMENCLATURE	366400 UNITS PER ASSY	366380 UNITS PER ASSY
	366400 366380	SPI NDLE, HI TCH, AND HUB ASSEMBLY - STANDARD SPI NDLE, HI TCH, AND HUB ASSEMBLY - SCALE	RF	RF
1	036740	CLEVIS, 1-7/8 HI TCH	1	1
2	124780	BAR, HI TCH (WI THOUT SCALE)		1
2	219870	HI TCH, 1.88-2 1/8 INCH CAL-5 PIN	1	
3	003350	WASHER, LOCK 1 INCH	1	1
4	147310	NUT, HEX 1 INCH	1	1
5	990960	BOLT, HHCS 3/4 X 4.50 G5 ZN	1	1
6	036800	WASHER, LOCK 3/4	1	1
7	036750	NUT, HEX 3/4	1	1
8	016520	CONE, BRG. 1.38	2	2
9	020470	BOLT, STUD 1/2-20 X 1/50	12	12
10	018850	CUP, BRG.	1	1
11	020730	NUT, LUG 1/2-20 UNF.	12	12
12	018860	CUP, BEARING	2	2
13	016530	HUB ASSEMBLY 6-BOLT	2	2
14	012630	CONE, BRG. 1.25	2	2
15	020720	WASHER, FLAT 0.81 X 1.75 X 0.179	2	2
16	020710	NUT, SLOTTED HEX 3/4	2	2
17	026630	PIN, COTTER 5/32 X 1.50	2	2
18	035420	CAP, HUB 2.50 INCH	2	2
19	148640	TIRE, TUBELESS 10 X 15 8 PLY	2	2
20	018716	WHEEL, 8 X 15 6-BOLT GOLD	2	2
21	164420	VALVE STEM, W/ CORE AND CAP	2	2
22	030420	BOLT, HHCS 1/2 X 4.50 G5 ZN	2	2
23	005370	WASHER, LOCK 1/2	14	14
24	005360	NUT, HEX 1/2	14	14
25	042270	SPI NDLE, 2.12 X 31.31		2
25	040581	SPI NDLE, WEI GHTBAR	2	
26	010730	BOLT, HHCS 1/2 X 1.25 G5 ZN	12	12
27	363910	BRACKET, MOUNTING 105 BU.	2	2
28	366250	FENDER, 105 BU.	2	2
29	005390	BOLT, CRG. 1/2 X 1.0 G5 ZN	4	4
30	005200	WASHER, FLAT 0.56 X 1.38 X 0.109	4	4
31	1765302	CHAIN, SAFETY 5 FT	1	1
32	040440	JACK ASSY. 151 DS COMPLETE	1	1
33	036780	CONNECTOR, POWER CORD	1	
34	147060	CORD, 23 INCH DIGI TAL POWER	1	
35	149670	TIE, NYLON CABLE	14	

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SUPPLEMENT HOPPER

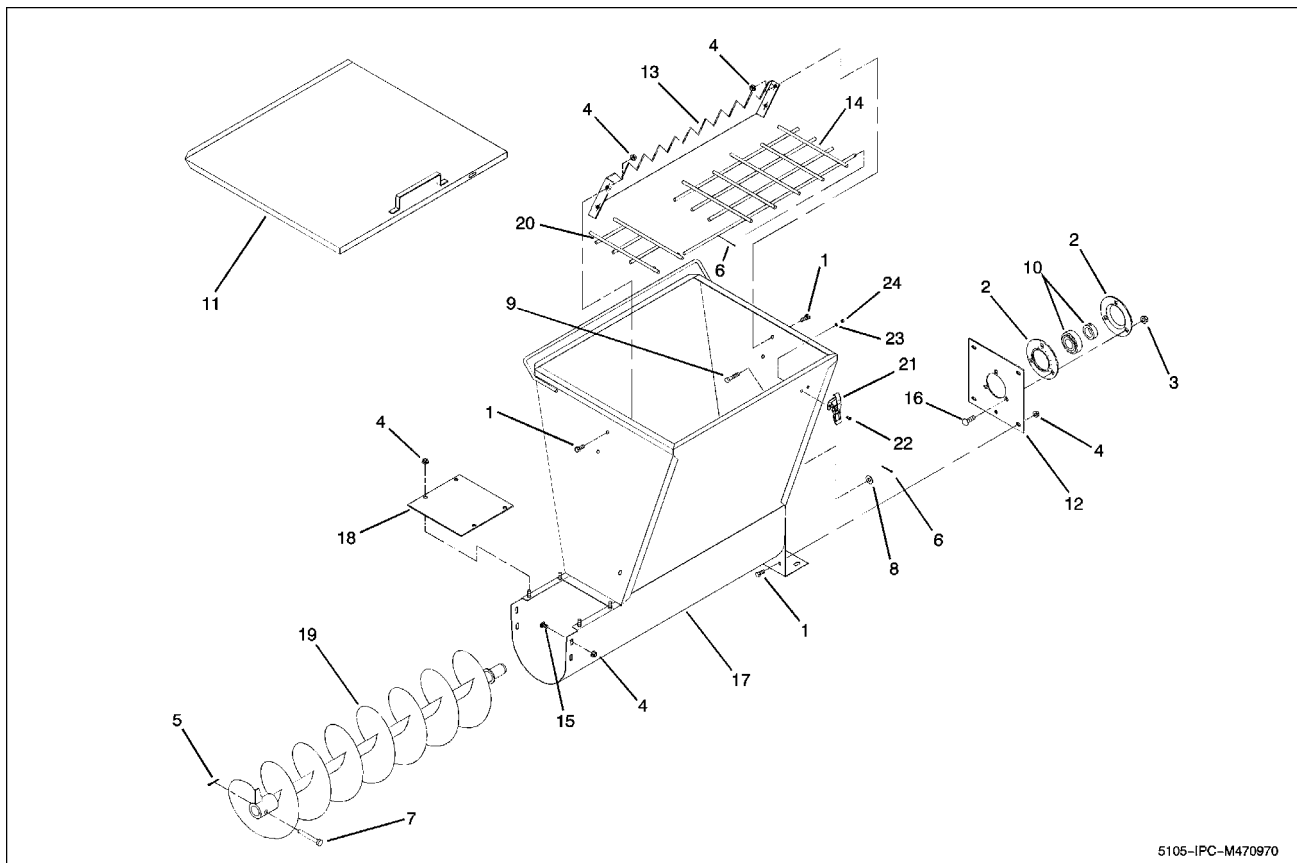


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	470970	SUPPLEMENT HOPPER	RF
1	006880	BOLT, HHCS 5/16-18 X 0.62 GR5 ZN	6
2	019150	FLANGETTE, BRG 1.12 3 BOLT RD	2
3	020180	NUT, LOCK 3/8-16 HEX FLG GR5	3
4	020190	NUT, LOCK 5/16-18 HEX FLG G5	16
5	020700	PIN, COTTER 5/32 X 1.0 CHI SEL	1
6	021210	PIN, COTTER 3/32 X 1.0 ZN	2
7	021430	PIN, CLEVIS 3/8 X 2.25 GR5 ZN	1
8	022920	WASHER, FLAT 0.375 X 0.875 X 0.083 ZN	1
9	025760	BOLT, HHCS 5/16-18 X 1.5 GR5 ZN	2
10	108850	BEARING, 1.12 SOD SPRING LOCK	1
11	126540	LID WLDT., SUPPLEMENT HOPPER	1
12	128040	PLATE, HOLE COVER	1
13	470950	CUTTER, SACK	1
14	560700	GRATE, SUPPLEMENT HOPPER	1
15	169340	BOLT, CRG 5/16-18 X 0.50 SSN GR2	4
16	170530	BOLT, CRG 3/8-16 X 1.0 SSN GR5	3
17	470960	HOPPER WLDT., SUPPLEMENT	1
18	365140	COVER, SUPPLEMENT HOPPER	1
19	365150	AUGER WLDT., CONCENTRAT TANK	1
20	560710	GRATE, ANGLED HOPPER	1
21	1669184R1	CLAMP, SHIELD LATCH	1
22	1159920	SCREW, PHMS 10-24 X 1/2	2
23	120600	WASHER, LOCK #10	2
24	120590	NUT, HEX 10-24	2

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HOPPER AND DRIVE ASSEMBLY, DISCHARGE

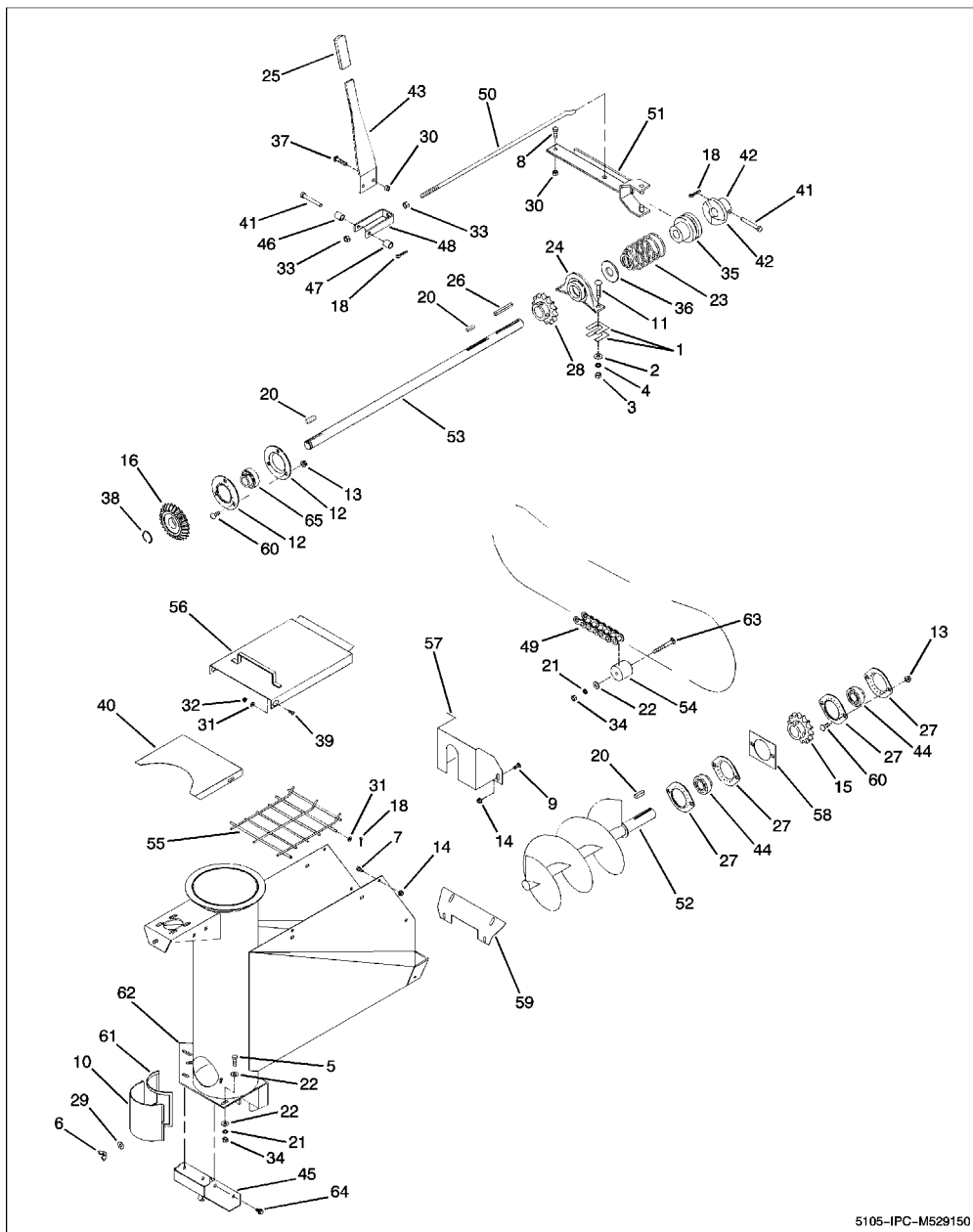


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529150	HOPPER AND DRIVE ASSEMBLY, DISCHARGE	RF
1	1486454R1	SHIM, 0.030 BLADE	4
2	005200	WASHER, FLAT 0.562 X 1.38 X 0.109 ZN	2
3	005360	NUT, HEX 1/2-13 GR5, ZN	2
4	005370	WASHER, LOCK 1/2 INCH ZN	2
5	006690	BOLT, HHCS 3/8-16 X 1.25 GR5, ZN	3
6	009790	NUT, WING 5/16-18	2
7	012140	BOLT, HHCS 5/16-18 X 0.75 GR5, ZN	4
8	012260	BOLT, HHCS 3/8-16 X 1.0 GR5, ZN	1

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HOPPER AND DRIVE ASSEMBLY, DISCHARGE (CONT.)

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529150	HOPPER AND DRIVE ASSEMBLY, DISCHARGE (CONT.)	RF
9	012410	BOLT, CRG, 5/16-18 X 0.75 GR5, ZN	4
10	012520	DOOR, CLEANOUT	1
11	991200	BOLT, CRG 1/2-13 X 2 GR5, ZN	2
12	019150	FLANGE, 1.12 BRG 3 BOLT RND	2
13	020180	NUT, LOCK 3/8-16 FLNG HX GR5	7
14	020190	NUT, 5/16-18 HX FLNG LK, GR5, ZN	4
15	020240	SPROCKET, 40B28, 1.12 BORE	1
16	461790	GEAR, BEVEL, 14T, 1.25 BORE	1
17	020650	WASHER, FLAT 1.14 X 1.62 X 0.134 PLN	4
18	020700	PIN, COTTER 5/32 X 1.0 CHSL PNT	6
19	020750	WASHER 1.14 X 1.62 X 0.105 PLN	4
20	020760	KEY, PAR, 5/16 SQ. X 1.12	3
21	021180	WASHER, LOCK 3/8 1NCH	4
22	021190	WASHER, FLAT 0.438 X 1.0 X 0.083	7
23	528710	SPRING, CLUTCH HOLDING	1
24	529120	BEARING, 1.25 PB, STL HSG W/ LC	1
25	021560	GRIP, CLUTCH HANDLE	1
26	021570	KEY, PAR, 5/16 SQ. X 3.62	1
27	021610	BEARING, 1.12 FLG, 2 BOLT	4
28	529140	SPROCKET, 40B24, 1.25 BORE	1
29	022920	WASHER, FLAT 0.38 X 0.88 X 0.083	2
30	023060	NUT, LOCK 3/8-16 DSTHD	2
31	023260	WASHER, FLAT 0.312 X 0.75 X 16 GA. ZN	6
32	023270	NUT, LOCK 1/4 INCH HEX FLNG	2
33	023770	NUT, HEX 7/16-14 GR2, ZN	2
34	027260	NUT, HEX 3/8-16 GR5, ZN	4
35	528690	CLUTCH, A-66 CASTING 1-1/4	1
36	149581203	WASHER, 1.28 X 2.00 X 0.105 PLN	2
37	035180	BOLT, CRG 3/8-16 X 1.25 GR5	1
38	025710	RING, 1.25 SNAP	1
39	035230	SCREW, 1/4-20 X 0.75 TR HD, G2, ZN	2
40	040820	FEED DEFLECTOR	1
41	041540	PIN, CLEVIS 3/8 X 2.38 ZN	2
42	528700	CLUTCH, A-67 CASTING 1-1/4	1
43	105210	HANDLE, CLUTCH	1
44	108850	BEARING, 1.12 SOD SPRING LOCK	2
45	529460	SHIELD, LOWER GEARS	1
46	144730	SPACER, 1/2 INCH LONG	1
47	144740	SPACER, 7/8 INCH LONG	1
48	151450	FORK, DISCHARGE CLUTCH	1
49	157860	CHAIN ASSEMBLY, RC40 X 61P	1
50	158200	ROD, CLUTCH, 500	1
51	158210	ARM WELDMENT, CLUTCH	1
52	158230	AUGER WELDMENT, PUSH	1
53	529130	SHAFT, BACK AUGER DRIVE 1-1/4	1
54	041440	TIGHTENER, CHAIN	1
55	560570	GRATE, DISCHARGE	1
56	158280	COVER WELDMENT, BACK HOPPER	1
57	162140	SHIELD, PUSH AUGER	1
58	167090	SPACER, BEARING	1
59	167100	GASKET, FILLER	1
60	170530	BOLT, CRG 3.8-16 X 1.0 GR5, ZN	7
61	185900	STRIP, SEAL, DISCHARGE C.O.	1
62	529440	DISCHARGE WELD., FIRST SECT.	1
63	117550	BOLT, CRG 3/8-16 X 2.25 GR2, ZN	1
64	JN71292	BOLT, HXHD 5/16-18 X 1/2 FLG GR5 ZN	4
65	461780	BEARING, 1.25 SOD SPRING LOCK	1

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MECHANICAL SWIVEL, DISK DRIVE

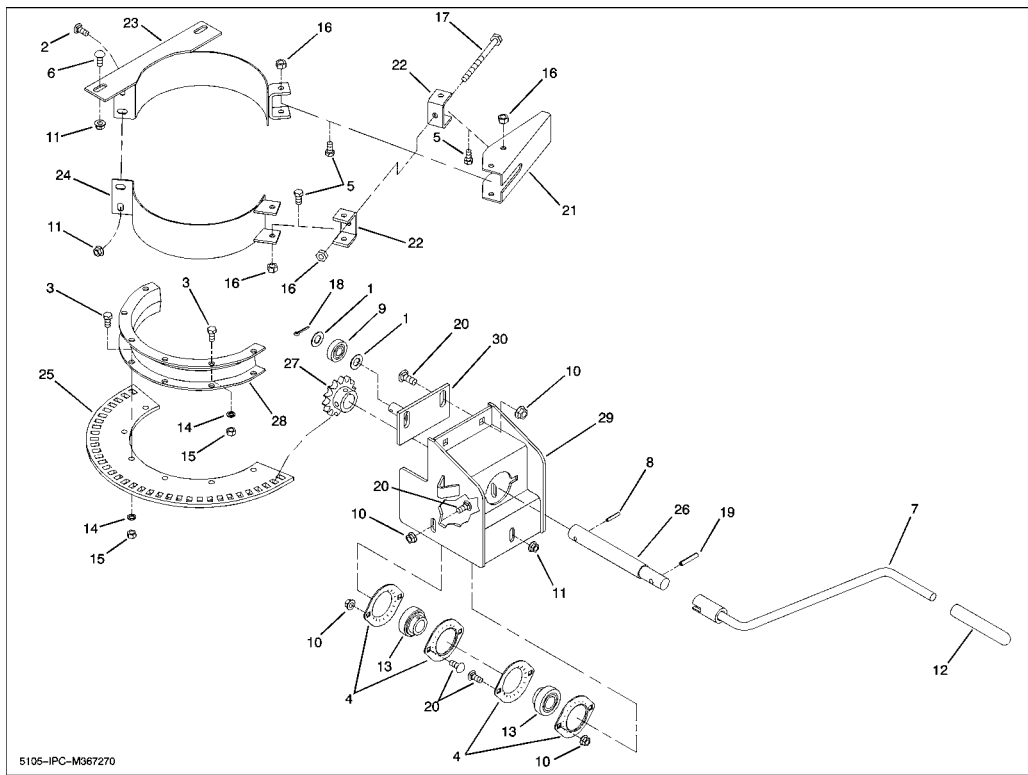


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	367270	MECHANICAL SWIVEL, DISK DRIVE	RF
1	I 120396	WASHER, FLAT 0.531 X 1.06 X 0.074 ZN	2
2	I 14994R1	BOLT, CRG 5/16-18 X 1.0 NK, GR2	2
3	005900	BOLT, HHCS 5.16-18 X 1.0 GR5, ZN	12
4	008580	FLANGETTE, BEARING 2 BOLT 0.75	4
5	012140	BOLT, HHCS 5/16-18 X 0.75 GR5, ZN	6
6	012410	BOLT, CRG 5/16-18 X 0.75 GR5, ZN	2
7	012500	CRANK ASSEMBLY, BACK AUGER	1
8	012560	PIN, EXPANSION 3/16 X 1.0	1
9	013750	BEARING, 1/2 INCH BALL, SPECIAL	1
10	020180	NUT, HEX FLNG LOCK 3/8-16	8
11	020190	NUT, HEX FLNG LOCK 5/16-18	5
12	020640	GRIP, PLASTIC	1
13	021680	BEARING, 3/4 INCH ADAPTER, S. O. D.	2
14	023620	WASHER, LOCK, 5/16 INCH ZN	12
15	023630	NUT, HEX 5/16-18 GR5, ZN	12
16	025670	NUT, LOCK 5/16-18 HEX DSTHD	7
17	028200	BOLT, HHCS 5/16-18 X 4.5 GR5, ZN	1
18	034360	PIN, COTTER 1/8 X 1.0	1
19	169220	PIN, SPRING 1/4 X 1.38 SLOTTED	1
20	170530	BOLT, CRG 3/8-16 X 1.0 GR5, ZN	8
21	206490	HANDLE, BRAKE	1
22	206500	YOKE, BRAKE	2
23	206510	BAND WELDMENT, HANDLE HALF	1
24	206520	BAND WELDMENT, PLAIN HALF	1
25	217670	DISK, HALF SWIVEL DRIVE	1
26	217740	SHAFT, SWIVEL DRIVE	1
27	217750	SPROCKET, 50B8, 3/4 INCH BORE	1
28	367320	RING HALF WELD., DISK DRIVE	1
29	367360	BRACKET WELD., MECH. SWING	1
30	367400	ROD, IDLER WELDMENT	1

- = Not Illustrated

SWIVEL ASSEMBLY, HYDRAULIC

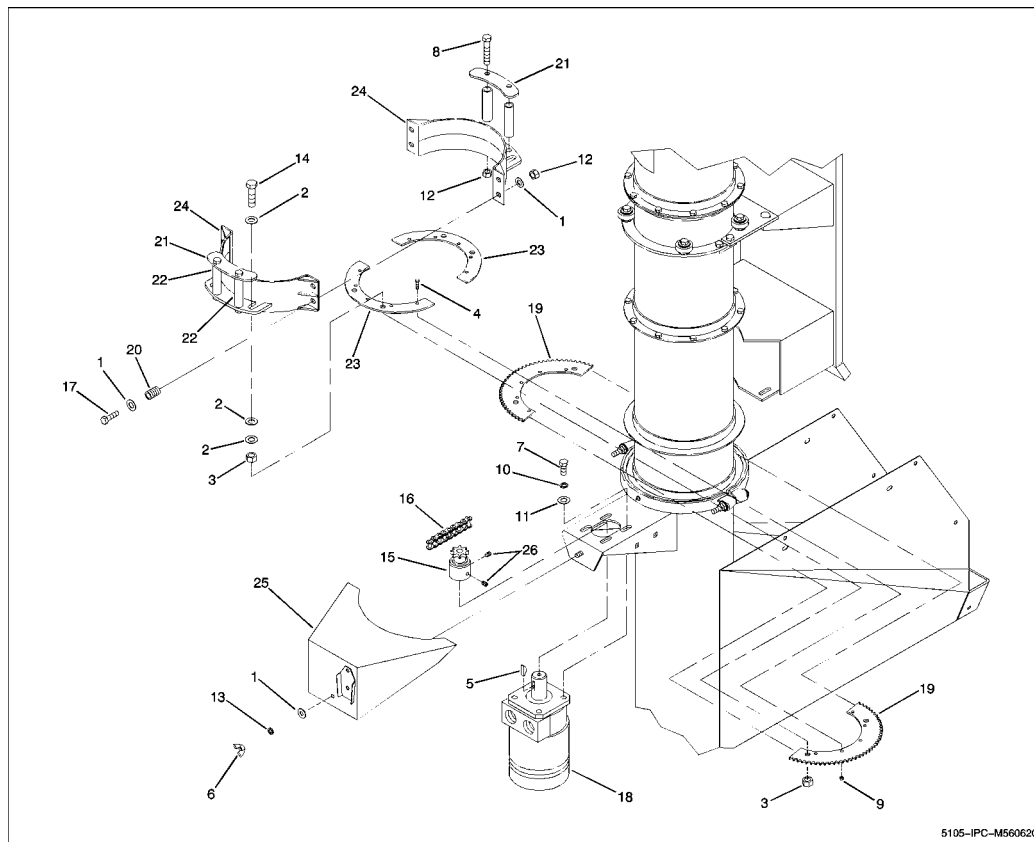
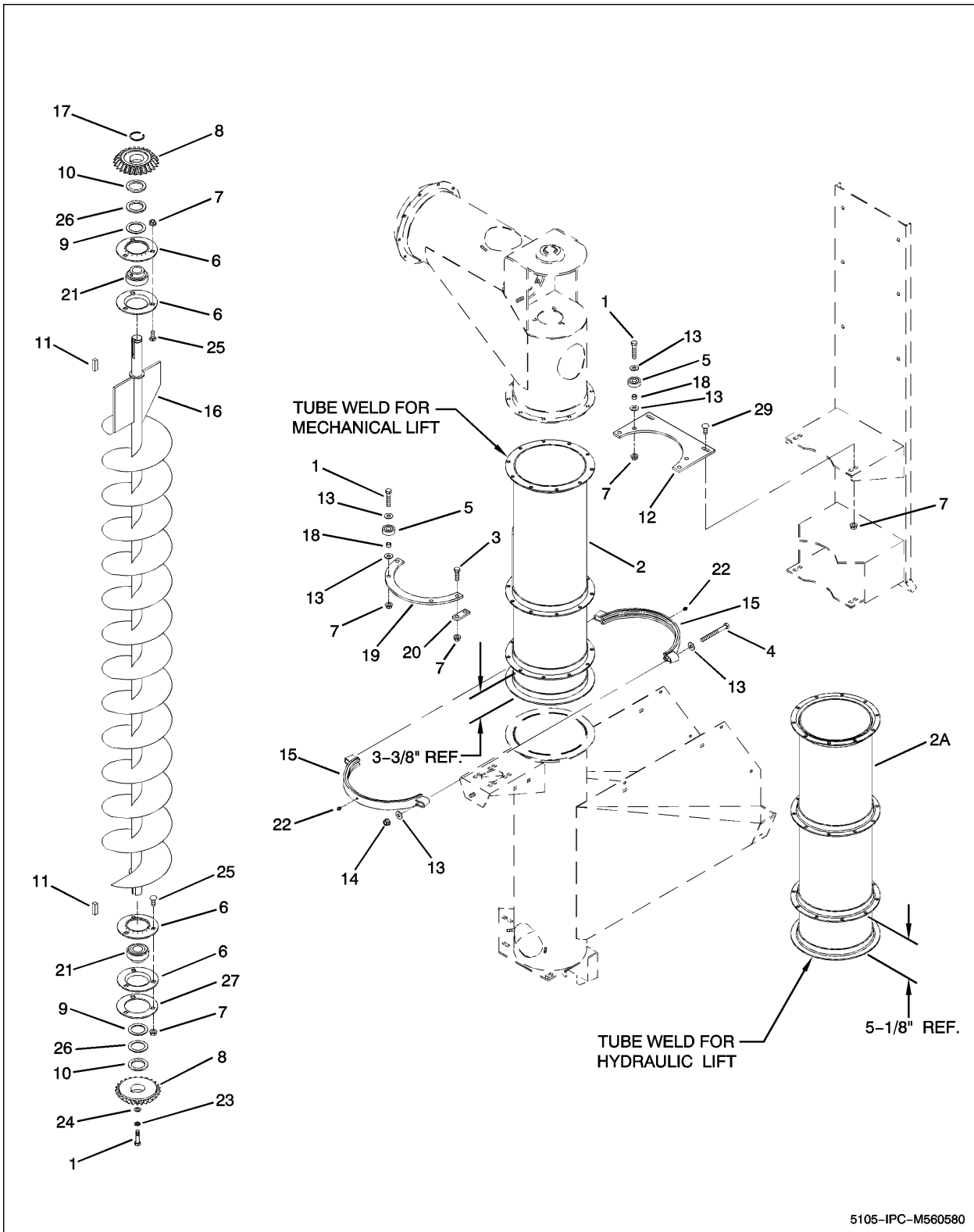


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560620	SWIVEL ASSEMBLY, HYDRAULIC	RF
1	1120394	WASHER, FLAT 3/8 SAE	8
2	1120396	WASHER, FLAT 1/2 SAE	12
3	005360	NUT, HEX 1/2-13	8
4	005900	BOLT, HHCS 5/16-18 X 1	10
5	006180	KEY, WOODRUFF 1/4 X 1	1
6	009790	NUT, WING 5/16-18	1
7	012260	BOLT, HHCS 3/8-16 X 1	4
8	990870	BOLT, HHCS 3/8-16 X 3-1/2	4
9	020190	NUT, HEX FLG LOCK 5/16-18	10
10	021180	WASHER, LOCK 3/8	4
11	021190	WASHER, FLAT 3/8 STD	5
12	023060	NUT, LOCK 3/8-16 DISTHRD	8
13	023620	WASHER, LOCK 5/16	1
14	023950	BOLT, HHCS 1/2-12 X 2	4
15	458500	SPROCKET ASSY, 60B10	1
16	366540	CHAIN, RC60 60P	1
17	037790	BOLT, HHCS 3/8-16 X 2	4
18	111090	MOTOR, HYD 20 CU IN DISP.	1
19	458490	SPROCKET, HALF 60A54	2
20	258540	SPRING, COMP. 0.40 X 0.75 X 0.78	4
21	349470	PLATE, CLAMP	2
22	528640	SPACER, 0.675 OD X 0.493 ID X 2.59	4
23	387220	PLATE, SPROCKET BOLT HALF	2
24	528610	BAND ASSY, WIDE HALF SLIP	2
25	364040	SHIELD ASSY, SWIVEL MOTOR	1
26	010990	SCREW, SET 5/16-18 X 5/16	2

- = Not Illustrated

29 INCH MECHANICAL VERTICAL OR HYDRAULIC DISCHARGE ASSEMBLY

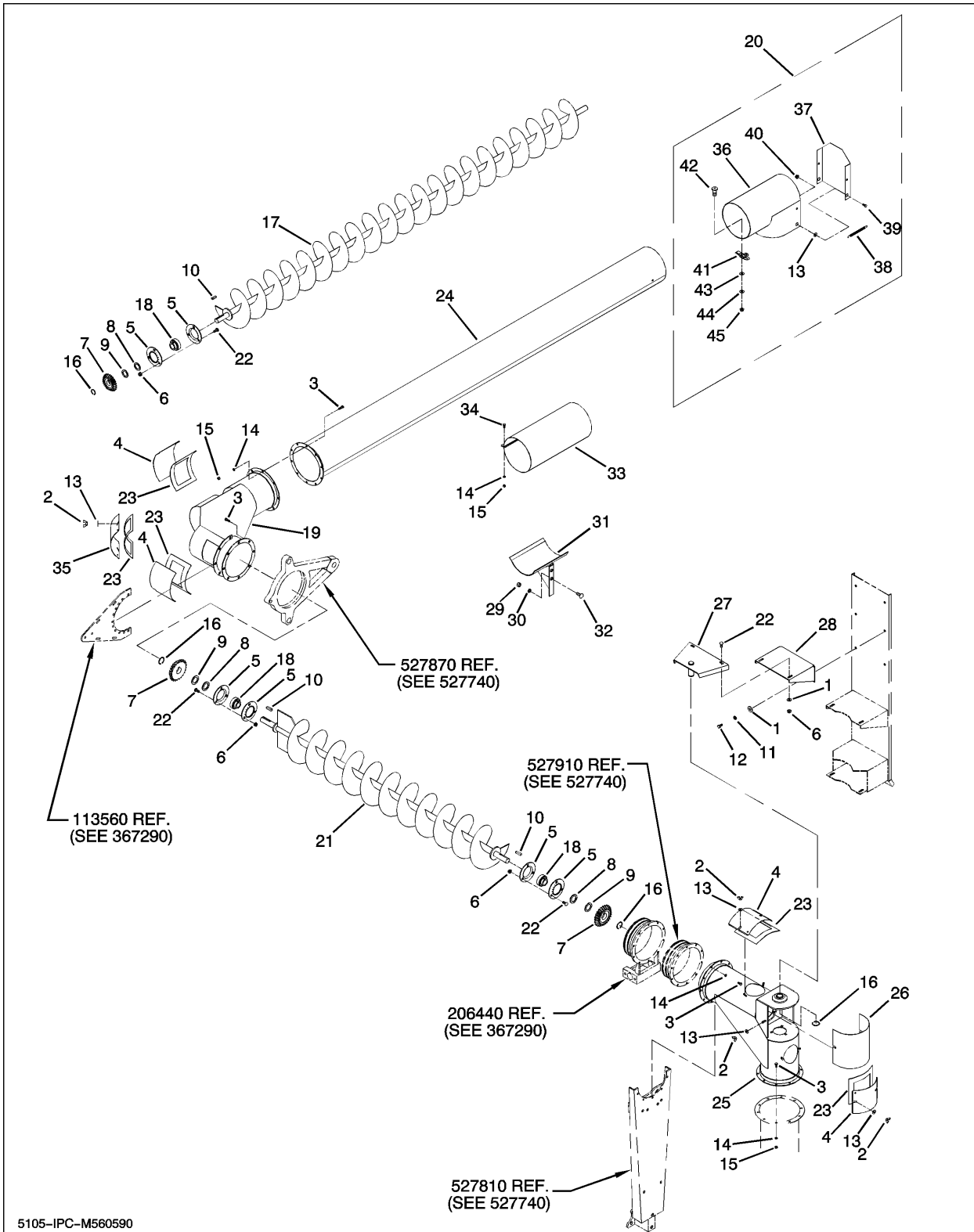


29 INCH MECHANICAL VERTICAL OR HYDRAULIC DISCHARGE ASSEMBLY

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560580	MECHANICAL VERTICAL OR HYDRAULIC DISCHARGE ASSEMBLY	RF
1	011370	BOLT, HHCS 3/8-16 X 1.5 GR5 ZN	5
2	366890	TUBE WLDT., 29 INCH VERTICAL MECHNICAL LIFT	1
-2A	560160	TUBE WLDT., 29 INCH VERTICAL HYDRAULIC LIFT	1
3	012260	BOLT, HHCS 3/8-16 X 1.0 GR5 ZN	4
4	990820	BOLT, HHCS 3/8-16 X 3.0 GR5 ZN	2
5	013750	BEARING, BALL 1/2 INCH SPECIAL	4
6	019150	FLANGETTE, BRG 1.12-3 BOLT RND	4
7	020180	NUT, LOCK 3/8-16 HEX FLG GR5	16
8	461790	GEAR, BEVEL 14T 1.25 INCH BORE	2
9	020910	WASHER, FLAT 1.25 X 1.85 X 0.062 ZN	2
10	020880	WASHER, FLAT 1.25 X 1.75 X 0.141 ZN	2
11	020760	KEY, SQ. 5/16 X 1.12 LG	2
12	367180	BRACKET, SWIVEL RING	2
13	021190	WASHER, FLAT 0.438 X 1.0 X 0.083 ZN	12
14	023060	NUT, LOCK 3/8-16 FIN. HEX GRA	2
15	188340	CLAMP WLDT., HEAVY SWIVEL	2
16	554540	AUGER WLDT., VERT DISCHARGE 29 INCHES	1
17	025710	RING, 1.25 SNAP	1
18	038380	SPACER, 3/8 X 1/2 X 5/16 LONG	4
19	046060	RING, SWIVEL	1
20	046130	BRACKET, SWIVEL RING ATTACH	2
21	461780	BEARING, 1.25 SOD	2
22	115590	ZERK, 1/4-28 TAPER DR THREAD	2
23	021180	WASHER, LOCK 3/8	1
24	012270	WASHER, FLAT 13/32 X 1.75 X 9/64	1
25	170530	BOLT, CRG 3/8-16 X 1 SSN	8
26	020920	WASHER, FLAT 1-1/4 X 3/64	2
27	529710	RING, FLANGETTE REINFORCING	1

- = Not Illustrated

INNER ELBOW ASSEMBLY, DISCHARGE

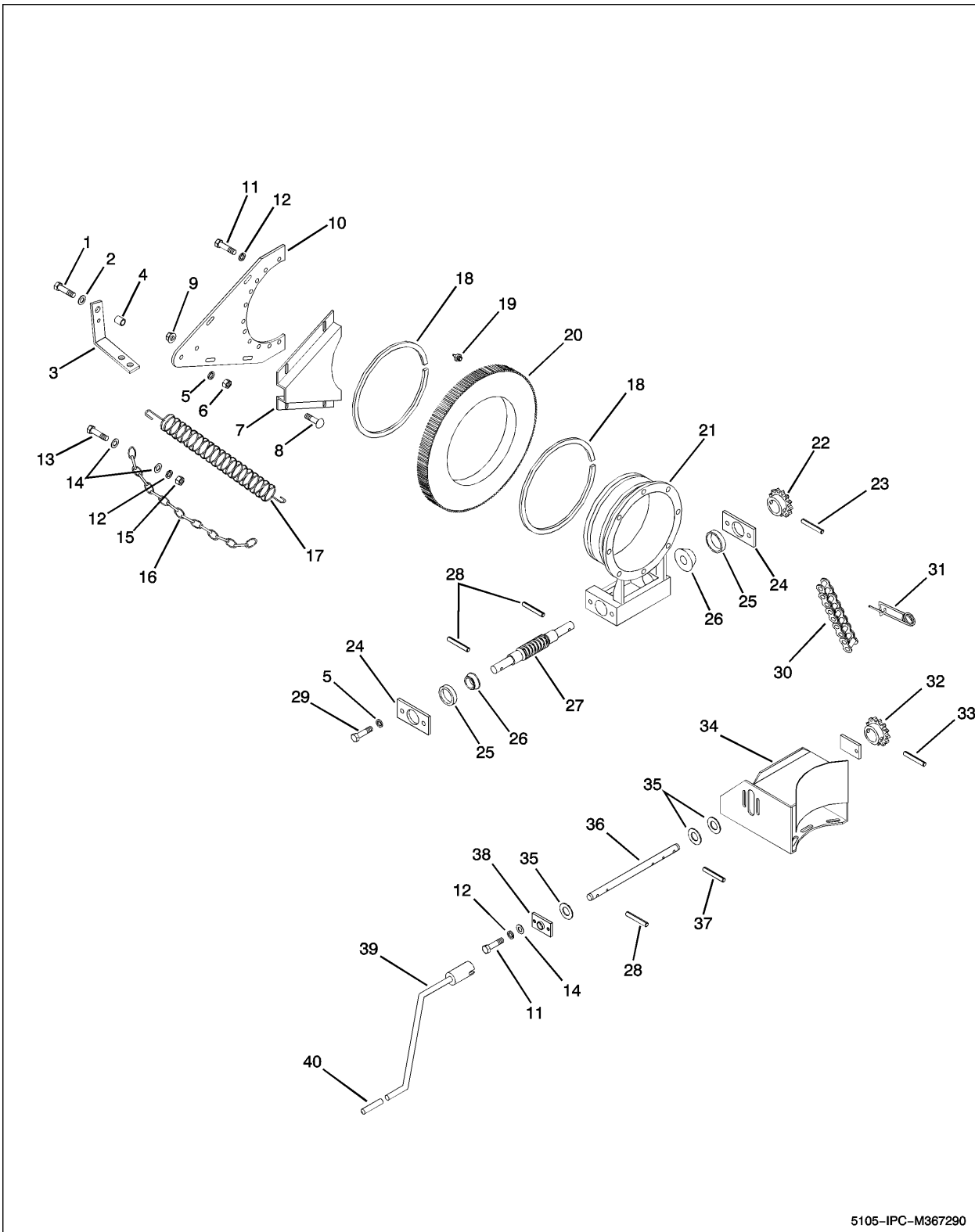


INNER ELBOW ASSEMBLY, DISCHARGE

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560590	INNER ELBOW ASSEMBLY, DISCHARGE	RF
1	I120374	WASHER, FLAT 0.406 X 0.812 X 0.051	4
2	009790	NUT, WING 5/16-18	12
3	012140	BOLT, HHCS 5/16-18 X 0.75 GR5 ZN	20
4	012520	DOOR, CLEANOUT	4
5	019150	FLANGE, 1-1/8 BRG 3-BOLT RND	6
6	020180	NUT, HEX FLG LK 3/8-16	11
7	461790	GEAR, BEVEL, 14T, 1-1/4 BORE	3
8	020910	WASHER, FLAT 1.25 X 1.75 X 0.134	6
9	020880	WASHER, FLAT 1.25 X 1.75 X 0.06	3
10	020760	KEY, PAR, 5/16 SQ. X 1.12	3
11	021180	WASHER, LOCK 3/8 INCH	2
12	022420	BOLT, HHCS 3/8-16 X 0.75 GR5 ZN	2
13	022920	WASHER, FLAT 0.38 X 0.88 X 0.083	12
14	023620	WASHER, LOCK 5/16 ZN	23
15	023630	NUT, HEX 5/16-18 GR5, ZN	23
16	025710	RING, 1.25 SNAP	3
17	528670	AUGER WELDMENT (TILTED RH FLIGHT 7 INCH X 118.5)	1
18	461780	BEARING, 1.25 SOD SPRING LOCK	3
19	132871	ELBOW ASSEMBLY, LIGHT	1
20	152100	HOOD ASSY, DISCHARGE AUGER	1
21	554470	AUGER WELDMENT (TILTED RH FLIGHT 7 INCH X 34.88)	1
22	170530	BOLT, CRG 3/8-16 X 1.0 GR5 ZN	11
23	185900	STRIP, SEAL, DISCHARGE C.O.	4
24	205990	TUBE WELDMENT, 8 X 103 X 16 GA.	1
25	366820	ELBOW WELDMENT, 105 INNER	1
26	366830	COVER, GEAR	1
27	366860	ANCHOR WELDMENT, BEARING	1
28	379240	BRACKET, 105 BOLT ON EXT.	1
29	005360	NUT, HEX 1/2-13 GR5 ZN	1
30	005370	WASHER, LOCK 1/2 INCH	1
31	043480	HOLDER WELDMENT, UNLOADING	1
32	005390	BOLT, CRG 1/2-13 X 1.0 SSN GR5 ZN	1
33	461230	WRAP, DISCHARGE	1
34	030030	BOLT, HHCS 5/16-18 X 1-1/4	3
35	040870	SHIELD, BEVEL GEAR	1
36	035200	RIM, 1.12 SNAP	1
37	152110	HOOD, WELDMENT	1
38	152170	DOOR, DISCHARGE HOOD	1
39	100750	SPRING	1
40	006880	BOLT, HHCS 5/16 X 5/8	2
41	025670	NUT, HEX 5/16-18 LOCK	2
42	I669184R1	CLAMP	2
43	I159920	SCREW, PHMS #10-24 X 1/2	4
44	W144750056	WASHER, #10 FLAT	4
45	120600	WASHER, #10 LOCK	4
46	120590	NUT, #10-24 HEX	4

- = Not Illustrated

MECHANICAL RING AND WORM GEAR ASSEMBLY



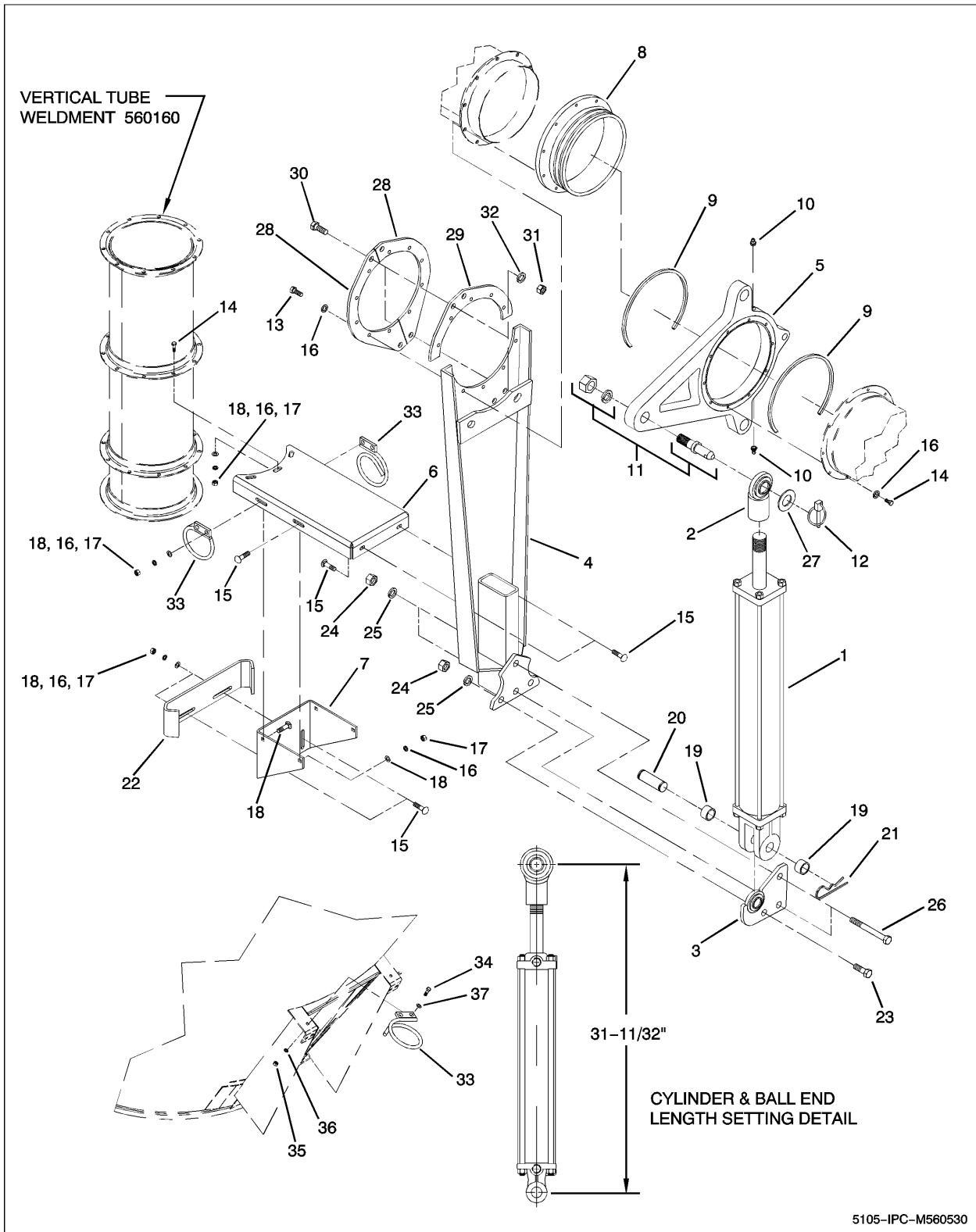
5105-IPC-M367290

MECHANICAL RING AND WORM GEAR ASSEMBLY

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	367290	MECHANICAL RING AND WORM GEAR ASSEMBLY	RF
1	012260	BOLT, HHCS 3/8-16 X 1 INCH	1
2	021190	WASHER, FLAT 3/8 INCH	1
3	213310	BRACKET, LIFT ASSIST SPRING	1
4	033460	SPACER, 0.375 X 0.281	1
5	021180	WASHER, LOCK 3/8	5
6	027260	NUT, HEX 3/8-16	1
7	214140	CHANNEL, LEVER BRACE	1
8	254060	BOLT, CRG 5/16-18 X 1 INCH	4
9	020190	NUT, HEX FLANGE LOCK 5/16-18 X 1 INCH	4
10	113560	LEVER, LIFT	1
11	012140	BOLT, HHCS 5/16-18 X 3/4 INCH	9
12	023620	WASHER, LOCK 5/16	11
13	005900	BOLT, HHCS 5/16-18 X 1 INCH	2
14	022920	WASHER, FLAT 5/16	7
15	023630	NUT, HEX 5/16-18	2
16	213430	CHAIN, 2/O SAFETY	1
17	145590	SPRING, EXTENSION	1
18	104360	RING, RETAINING	2
19	115590	ZERK, 1/4-28	2
20	126230	GEAR, RING W/ 10 HOLES	1
21	206440	RING AND WORM HOLDER	1
22	206390	SPROCKET, 40B18 3/4 INCH BORE	1
23	013600	PIN, EXPANSION 1/4 INCH X 2 INCH	1
24	204670	PLATE, HOLDER	2
25	252720	CUP, BEARING	2
26	1758902	CONE, BEARING 3/4 INCH BORE	2
27	206430	WORM AND SHAFT	1
28	012550	PIN, EXPANSION 1/4 INCH X 1-1/4 INCH	3
29	011370	BOLT, HHCS 3/8-16 X 1-1/2 INCH	4
30	213530	CHAIN, ROLLER #40 X 144 PITCHES	1
31	140820	PIN, SAFETY 1/8 X 4-3/8 INCH	1
32	113520	SPROCKET, 40B9 5/8 INCH BORE	1
33	991100	PIN, EXPANSION 3/16 INCH X 1-1/4 INCH	1
34	371760	BRACKET, WLDT, LIFT ASSIST – PM20	1
35	035190	WASHER, FLAT 21/32 INCH	3
36	213340	SHAFT, LIFT ASSIST CRANK	1
37	012560	PIN, EXPANSION 3/16 X 1 INCH	1
38	114060	PLATE ASSY, ADJUSTMENT	2
39	012500	CRANK WLDT.	1
40	020640	GRIP, PLASTIC	1

- = Not Illustrated

HYDRAULIC DISCHARGE LIFT ASSEMBLY

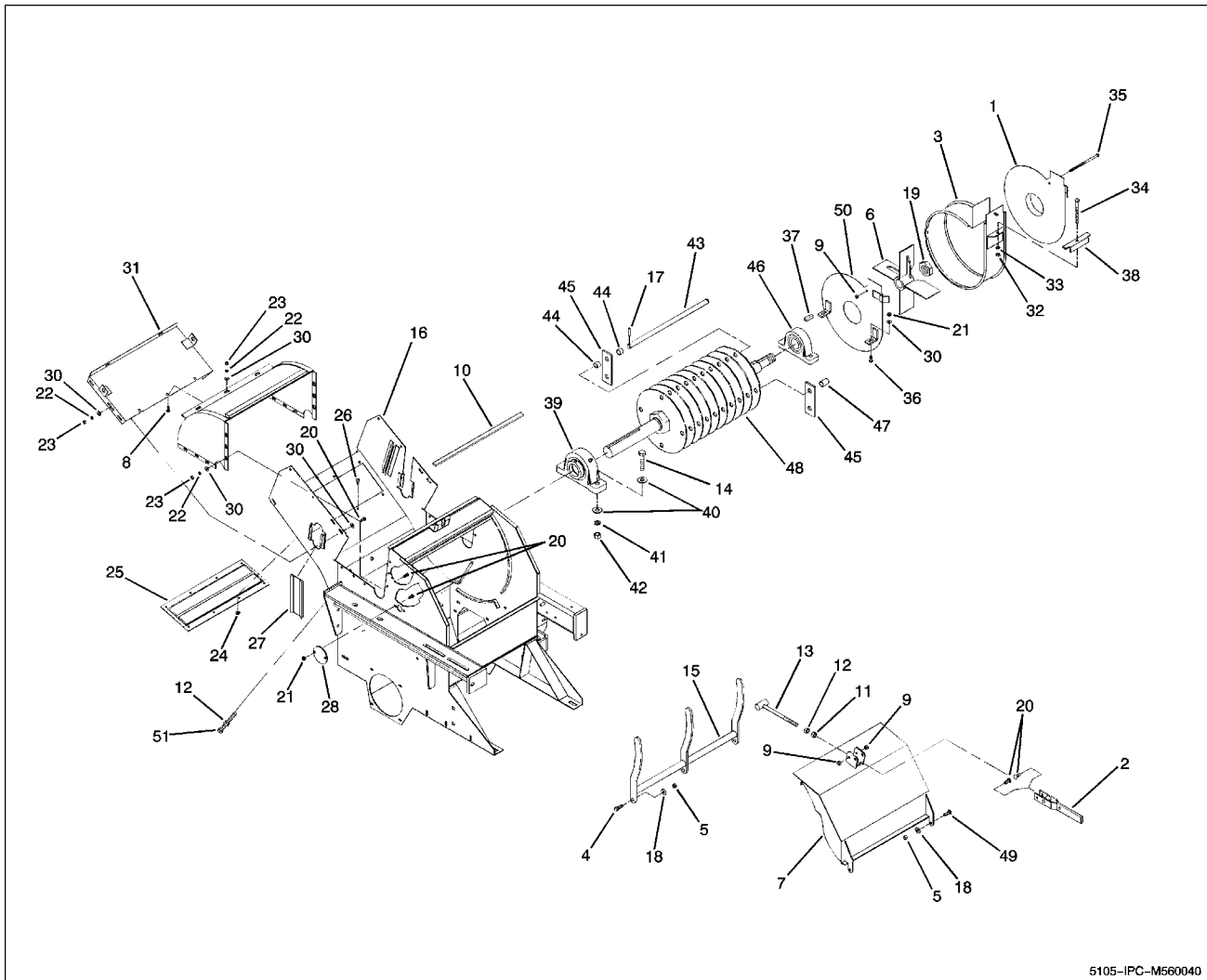


HYDRAULIC DISCHARGE LIFT ASSEMBLY

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560530	HYDRAULIC DISCHARGE LIFT ASSEMBLY	RF
1	527750 355350 531440	CYL, HYD 3 X 16 CLEVIS, 1-1/4 SEAL KIT, CROSS (1-1/4 DIA. ROD) (IC4629C) SEAL KIT, PRINCE (1-3/8 DIA. ROD) (PMCK-BF-0520)	1
2	527760	END WLDT., BALL 1.015 ID	1
3	527780	MOUNT WLDT, LOWER CYL	1
4	527810	ARM WLDT, VERT. CYL MNT	1
5	527870	LEVER, CYL LIFT	1
6	560170	CHANNEL, BRACE HYD LIFT	1
7	560180	BRACKET, BRACE SWING STOP	2
8	527910	HOLDER, HYD. LIFT DISCHARGE	1
9	104360	RING, RETAINING	2
10	115590	FITTING, 1/4-28 STR	2
11	1472790R2	STUD, NUT, AND LOCK WASHER	1
12	V240437	PIN, LYNCH	1
13	025760	BOLT, HHCS 5/16-18 X 1-1/2	10
14	012140	BOLT, HHCS 5/16-19 X 3/4	13
15	1111267	BOLT, CRG 5/16-18 X 1-1/4	8
16	023620	WASHER, LOCK 5/16	31
17	023630	NUT, HEX 5/16-18	11
18	022920	WASHER, FLAT 5/16 STD.	11
19	11337411C1	BUSHING, 1.25 OD X 1.00 ID X 0.75	2
20	143951648	PIN, CLEVIS 1 X 3 ZN	1
21	035830	PIN, BRIDGE 3/16 INCH INTERNAL	1
22	371930	STOP, SWING	1
23	990620	BOLT, HHCS 5/8-11 X 2	1
24	1124589	NUT, HEX 5/8-11	3
25	020440	WASHER, LOCK 5/8	3
26	201660	BOLT, HHCS 5/8-11 X 6	2
27	149611119	WASHER, FLAT 1-1/8 X 2-1/4 X 0.134	1
28	534730	PLATE, SUPPORT CYL ARM	2
29	534740	PLATE, SPACER CYL ARM	1
30	010730	BOLT, HHCS 1/2-13 X 1-1/4	4
31	005360	NUT, HEX 1/2-13	4
32	005370	WASHER, LOCK 1/2	4
33	212610	HOLDER WLDT, RING HOSE	3
34	042960	BOLT, HHCS 1/4-20 X 1	1
35	027660	NUT, HEX 1/4-20	1
36	029440	WASHER, LOCK 1/4	1
36	023260	WASHER, FLAT 1/4 STD	1

- = Not Illustrated

20 INCH HAMMER MILL ASSEMBLY



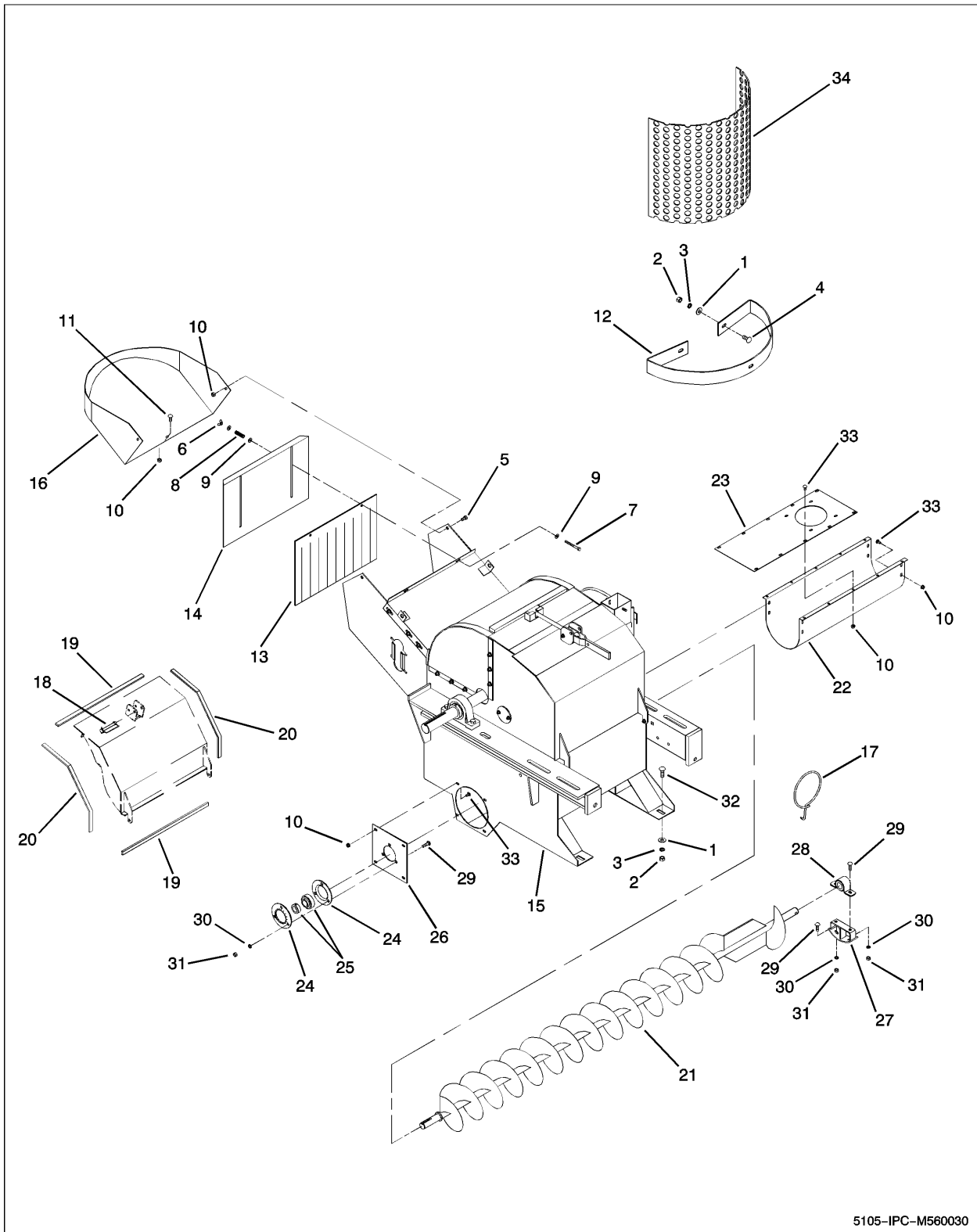
5105-IPC-M560040

20 INCH HAMMER MILL ASSEMBLY

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560040	20 INCH HAMMER MILL ASSEMBLY	RF
1	170990	SIDE PLATE WELDMENT, REAR	1
2	151920	HANDLE LOCKING WLD. SUB ASSY	1
3	171000	WRAPPER WELD, FAN HOUSING	1
4	012260	BOLT, HHCS 3/8-16 X 1.0 GR5 ZN	2
5	023060	NUT, LCK DISTHRD 3/8-16	4
6	013520	FAN, A37 BLOWER, MACHINE DWG	1
7	362670	DOOR WLDT, 20 INCH HAMMERMILL	1
8	012410	BOLT, CRG 5/16-18 X 3/4 GR5, ZN	5
9	025670	NUT, HX LK DISTHRD 5/16-18	3
10	145470	STRIP, LOWER SEALING	1
11	127890	NUT, LCK DISTHRD, 1/2-13 GR5, ZN	1
12	005360	NUT, HEX 1/2-13 GR5, ZN	4
13	127860	T-BAR WELD. ASSEMBLY	1
14	023110	BOLT, HHCS 5/8-11 X 2.50 GR5, ZN	4
15	362720	SUPPORT WELDMENT, 20 INCH SCREEN	1
16	553800	HOUSING WLDT., 20 INCH HAMMERMILL	1
17	012550	PIN, EXPANSION 1/4 X 1.25	8
18	021190	WASHER, FLAT 0.438 X 1.0 X 0.083	4
19	013530	NUT, HEX JAM 1.5-12 ZN	1
20	012140	BOLT, HHCS 5/16-18 X 0.75 GR5, ZN	22
21	020190	NUT, HX FLG LK 5/16-18	4
22	023620	WASHER, LOCK 5/16 INCH ZN	18
23	023630	NUT, HEX 5/16-18 GR5, ZN	18
24	023270	NUT, HX FLG LK 1/4 INCH	8
25	009740	MAGNET, #4	1
26	035230	SCREW, THRD 1/4-20 X 0.75 GR2, ZN	8
27	013360	SLIDE ASSEMBLY	2
28	012920	PLATE	1
29	362760	HOOD WELDMENT, 20 INCH	1
30	022920	WASHER, FLAT 0.38 X 0.88 X 0.083	24
31	009820	COVER, THROAT WELDMENT	1
32	027260	NUT, HEX 3/8-16 GR5, ZN	1
33	021180	WASHER, LOCK 3/8 INCH	1
34	990870	BOLT, HHCS 3/8-16 X 3.50 GR5, ZN	1
35	012820	BOLT, HHCS 5/16-18 X 5.0 GR5, ZN	1
36	1111267	BOLT, CRG 5/16-18 X 1.25 GR5, ZN	2
37	013510	KEY, PAR, 3/8 SQ X 1.25	1
38	170970	CLAMP, PULL DOWN	1
39	013950	BEARING, 2.0 PB, DBLROW, CI HSG, W/ LC	1
40	127920	WASHER, FLAT 0.656 X 1.38 X 0.179 TK	8
41	020440	WASHER, LOCK 5/8 INCH REG ZN	4
42	020450	NUT, HEX 5/8-11 GR2, ZN	4
43	013470	PIN, HAMMERMILL UNIT	4
44	013480	SPACER, SPLIT PIPE	36
45	013501	HAMMER, SINGLE	36
46	013420	BEARING, 2.0 PB, CI HSG, W/ LC	1
47	013490	SPACER, SPLIT PIPE	18
48	020570	ROTOR, HAMMERMILL	1
49	170530	BOLT, CRG 3/8-16 X 1.0 GR5, ZN	1
50	170980	SIDE PLATE WELDMENT, FRONT	1
51	034650	BOLT, HHCS 1/2-13 X 3.5 GR5, ZN	3
52	398230	SEALANT, CLEAR 10 OZ. TUBE	1

- = Not Illustrated

20 INCH THROAT AND AUGER ASSEMBLY

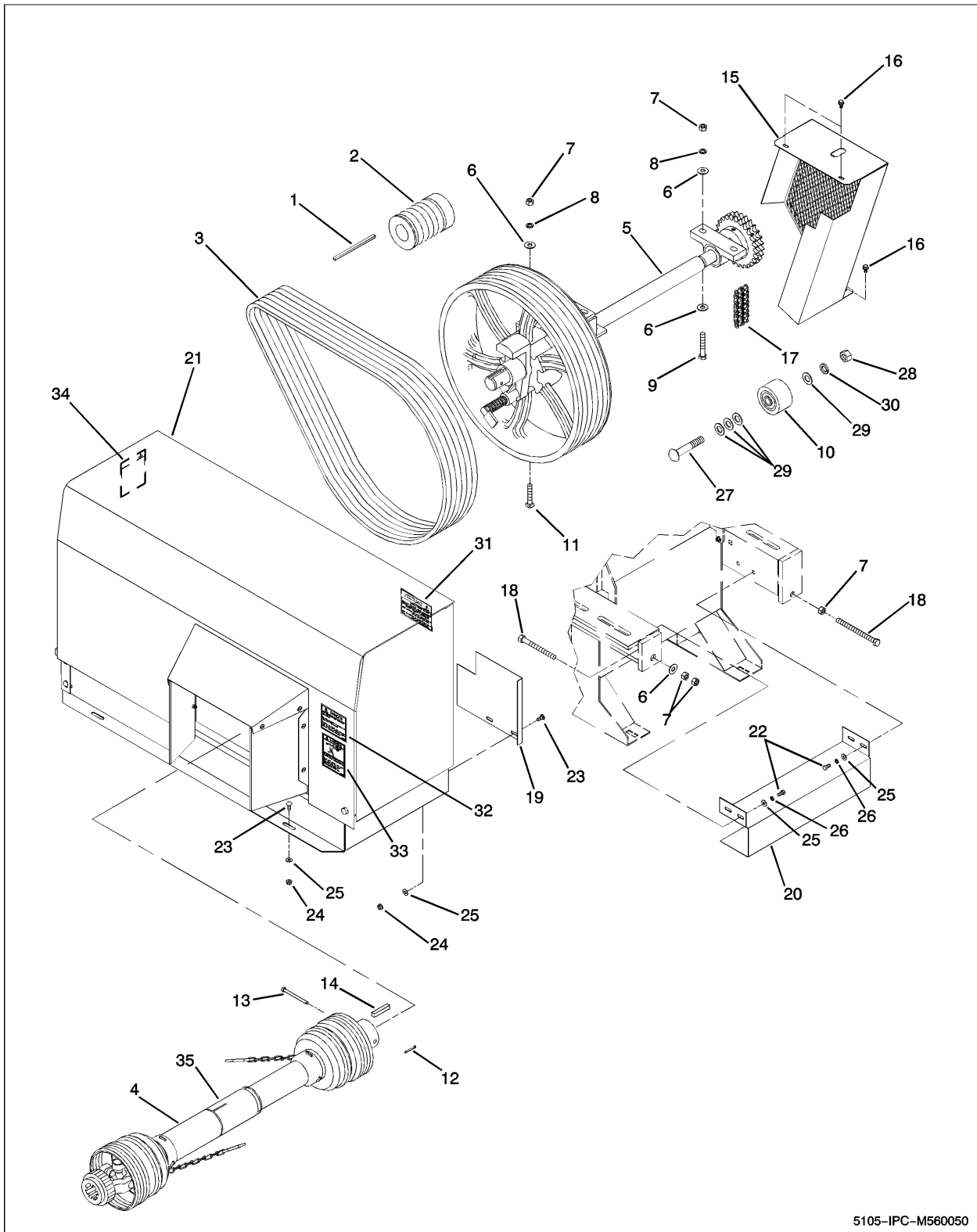


20 INCH THROAT AND AUGER ASSEMBLY

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560030	20 INCH THROAT AND AUGER ASSEMBLY	RF
1	005200	WASHER, FLAT 0.562 X 1.38 X 0.109 ZN	6
2	005360	NUT, HEX 1/2-13 GR5 ZN	6
3	005370	WASHER, LOCK 1/2 INCH ZN	6
4	005390	BOLT, CRG 1/2-13 X 1.0 SSN GR5	2
5	006880	BOLT, HHCS 5/16-18 X 0.62 GR5 ZN	2
6	009790	NUT, WING 5/16-18 TYPE A ZN	2
7	009800	BOLT, HHCS 5/16-18 X 2.5 GR5 ZN	2
8	013080	SPRING, COMP. 12 GA. X 0.62 X 1.88	2
9	022920	WASHER, FLAT 0.38 X 0.88 X 0.083 ZN	8
10	020190	NUT, HEX FLG LK 5/16-18	29
11	035290	BOLT, CRG 5/16-18 X 0.62 SSN GR2	1
12	037880	RACK	1
13	158970	FLAP, THROAT	1
14	158980	PLATE, LARGE FEED GRATE	1
15	560040	HAMMERMILL ASSY, 20 INCH ONE PIECE	1
16	366630	BASKET WLDT, 20 INCH	1
17	013120	HOOK, SCREEN	1
18	143710	PIN, SNAPPER 0.38 X 2.5 ZN	2
19	157670	SEALING STRIP, 500	2
20	213900	STRIP, SEALING 0.25 X 0.62 X 20.0	2
21	196140	AUGER WLDT, MILL TO MIXER	1
22	364250	TROUGH, LOWER PAN TO TANK	1
23	365880	CAP, TROUGH	1
24	019150	FLANGE, 1.12 BRG 3-BOLT ROUND	2
25	108850	BEARING, 1.12 SOD SPRING LOCK	1
26	128040	PLATE, HOLE COVER	1
27	165020	BRACKET WLDT, BEARING HOLDER	1
28	165030	BEARING, 1.12 SPLIT WOOD PB	1
29	170530	BOLT, CRG 3/8-16 X 1.0 SSN GR5	7
30	021180	WASHER, LOCK 3/8 INCH	7
31	027260	NUT, HEX 3/8-16 GR5 ZN	7
32	030470	BOLT, CRG 1/2-13 X 1.25 SSN GR5	4
33	169340	BOLT, CRG 5/16-18 X 0.50 SSN GR2	26
-34A	004820	SCREEN, 20 INCH HAMMERMILL – 1/8 INCH	
-34B	004830	SCREEN, 20 INCH HAMMERMILL – 5/32 INCH	
-34C	004840	SCREEN, 20 INCH HAMMERMILL – 3/16 INCH	
-34D	004850	SCREEN, 20 INCH HAMMERMILL – 1/4 INCH	
-34E	004860	SCREEN, 20 INCH HAMMERMILL – 5/16 INCH	
-34F	004870	SCREEN, 20 INCH HAMMERMILL – 3/8 INCH	
-34G	004890	SCREEN, 20 INCH HAMMERMILL – 1/2 INCH	
-34H	004900	SCREEN, 20 INCH HAMMERMILL – 5/8 INCH	
-34I	004910	SCREEN, 20 INCH HAMMERMILL – 3/4 INCH	
34J	004930	SCREEN, 20 INCH HAMMERMILL – 1.0 INCH	
-34K	004940	SCREEN, 20 INCH HAMMERMILL – 1-1/4 INCHES	
-34L	004950	SCREEN, 20 INCH HAMMERMILL – 1-1/2 INCHES	
-34M	004960	SCREEN, 20 INCH HAMMERMILL – 2.0 INCHES	

- = Not Illustrated

20 INCH HAMMER MILL DRIVE ASSEMBLY (540 RPM)



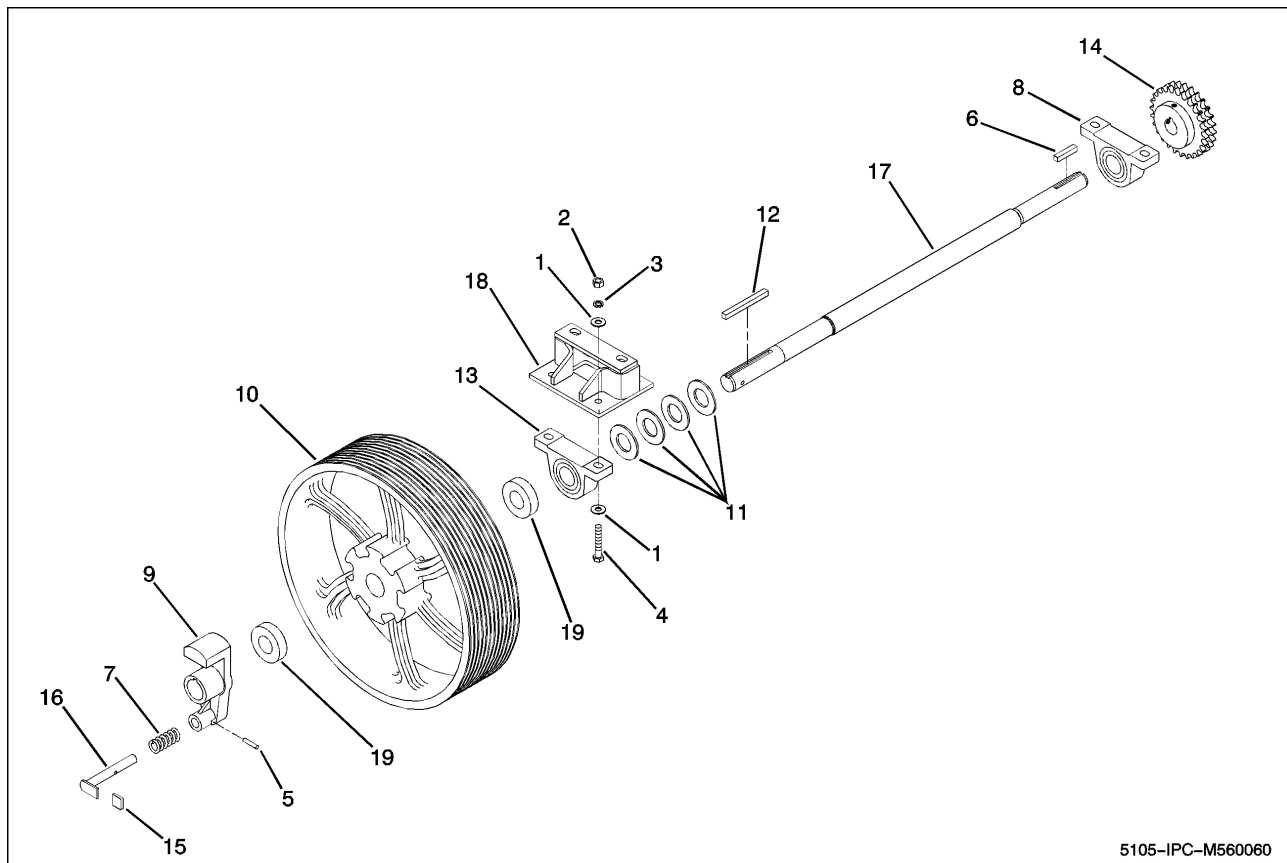
5105-IPC-M560050

20 INCH HAMMER MILL DRIVE ASSEMBLY (540 RPM)

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560050	20 INCH HAMMER MILL DRIVE ASSEMBLY (540 RPM)	RF
1	110390	KEY, STANDARD TAPERED	1
2	165500	PULLEY, 12 GROOVE	1
3	172600	BELT, 2/3V850 SET OF 6	1
4	354640	PTO ASSY, 540 1-3/8 -6B	1
5	560060	JACKSHAFT ASSY, 540 20 INCH MILL	1
6	005200	WASHER, FLAT 0.562 X 1.38 X 0.109 ZN	10
7	005360	NUT, HEX 1/2-13 GR5, ZN	12
8	005370	WASHER, LOCK 1/2 INCH ZN	6
9	007080	BOLT, HHCS 1/2-13 X 2.50 GR5, ZN	2
10	529230	IDLER, ROLLER 3.5 OD X 2.12 W X 0.75 BORE	1
11	E096046	BOLT, CRG. 1/2-13 X 1.5 GR5, ZN	4
12	034360	PIN, COTTER 1/8 X 1.0	1
13	036480	PIN, 5/16 X 3.0 CLEVIS ZN	1
14	021530	KEY, SQ 3/8 X 2	1
15	528960	SHIELD WLDT, CENTER DRIVE	1
16	JN10212	SCREW, FLG 5/16-18 X 3/4 GR5 ZN	3
17	529240	CHAIN, ROLLER RC60-2 X 76 PITCH	1
	163780	CHAIN, CONNECTING LINK 60-2	
18	013800	BOLT, HHCS 1/2-13 X 5.0 GR5, ZN	2
19	365270	SHIELD, BACK	1
20	365810	SHIELD, JACKSHAFT 20 INCH MILL	1
21	529260	SHIELD ASSEMBLY, MAIN	1
22	012140	BOLT, HHCS 5/16-18 X 0.75 GR5, ZN	4
23	012410	BOLT, CRG 5/16-18 X 0.75 GR5, ZN	4
24	020190	NUT, HX FLG LK 5/16-18 GR5, ZN	4
25	022920	WASHER, FLAT 0.38 X 0.88 X 0.083	8
26	023620	WASHER, LOCK 5/16 INCH ZN	4
27	218120	BOLT, CRG 3/4-10 X 4 GR5, ZN	1
28	036750	NUT, HEX 3/4-10 ZN	1
29	1131017	WASHER, FLAT 3/4 SAE	4
30	036800	WASHER, LOCK 3/4 INCH ZN	1
31	467450	DECAL, WARNING MOVING PARTS HAZARD	1
32	384030	DECAL, DANGER 565 RPM	1
33	368350	DECAL, WARNING FLYWHEEL DR.	1
34	368040	DECAL, CAUTION SAFETY INST.	1
35	268860	DECAL, DANGER ROTATING DRIVE LINE	1

- = Not Illustrated

20 INCH HAMMER MILL JACKSHAFT ASSEMBLY (540 RPM)

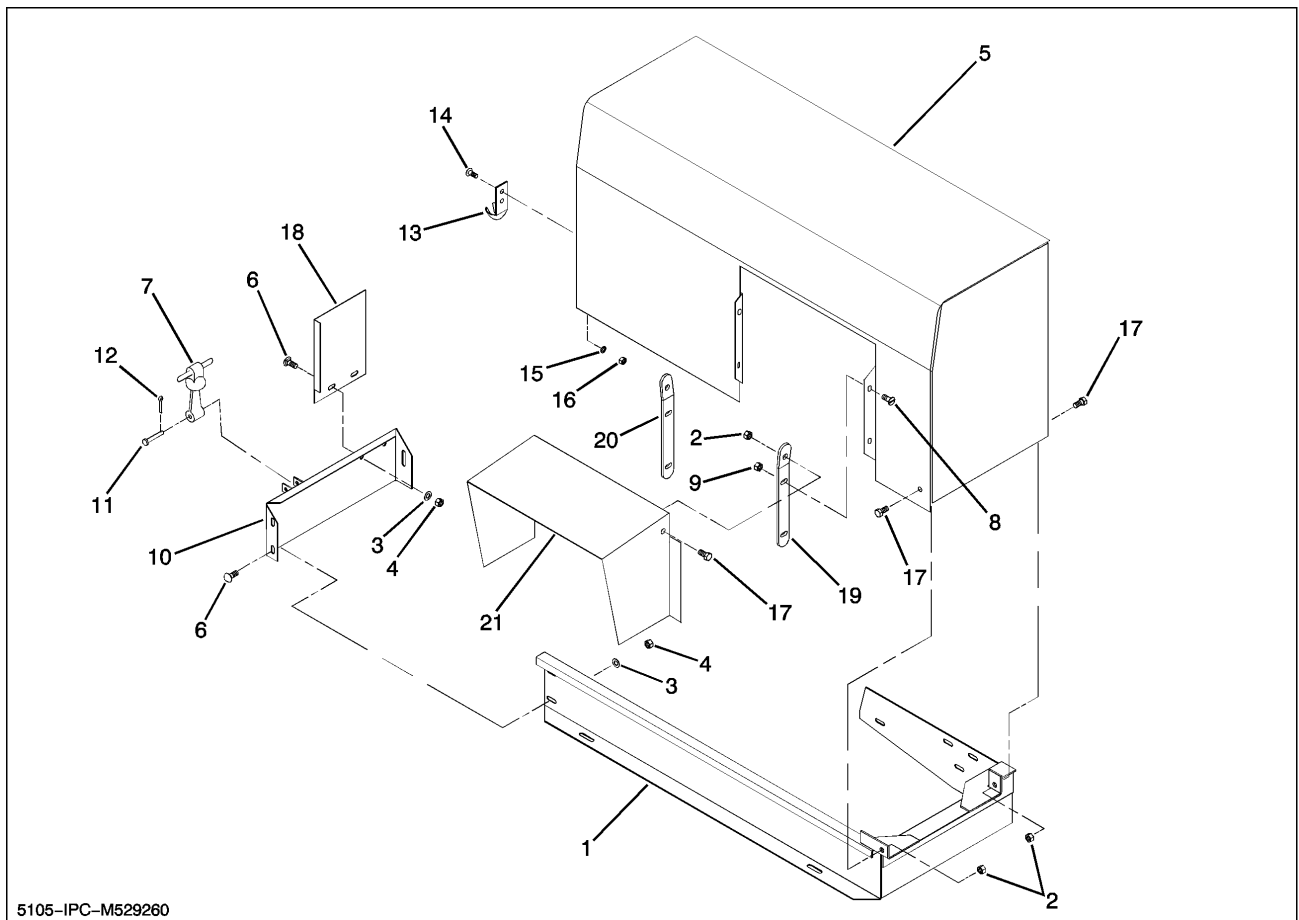


5105-IPC-M560060

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560060	20 INCH HAMMER MILL JACKSHAFT ASSEMBLY (540 RPM)	RF
1	005200	WASHER, FLAT 0.562 X 1.38 X 0.109 ZN	4
2	005360	NUT, HEX 1/2-13 GR5, ZN	2
3	005370	WASHER, LOCK 1/2 INCH ZN	2
4	007080	BOLT, HHCS 1/2-13 X 2.50 GR5, ZN	2
5	012550	PIN, EXPANSION 0.25 X 1.25	1
6	021530	KEY, PAR, 0.38 INCH SQ. X 2.0	1
7	013580	SPRING, COMPRESSION DR. CLUTCH	1
8	013670	BEARING, 1.44 PB, CI HSG W/ LC	1
9	013860	CLUTCH, A46 CASTING 1-5/8	1
10	016750	PULLEY, 22.6 12 GROOVE, BAL W/ BRG	1
11	126940	WASHER, FLAT 1.65 X 2.0 X 0.134	4
12	151280	KEY, PAR, 0.38 INCH SQ. X 5.0	1
13	165480	BEARING, 1.62 SOD W/ LC DBL ROW	1
14	529210	SPROCKET, D60B26	1
15	204430	GRIP, HANDLE, RED 0.12 X 1.0 X 1.0	1
16	241570	PIN ASSY, LOCKING	1
17	560070	JACKSHAFT, 20 INCH HM 5105	1
18	470410	SUPPORT, BEARING	1
19	013930	BEARING, 1.62 BORE	2

- = Not Illustrated

MAIN SHIELD ASSEMBLY

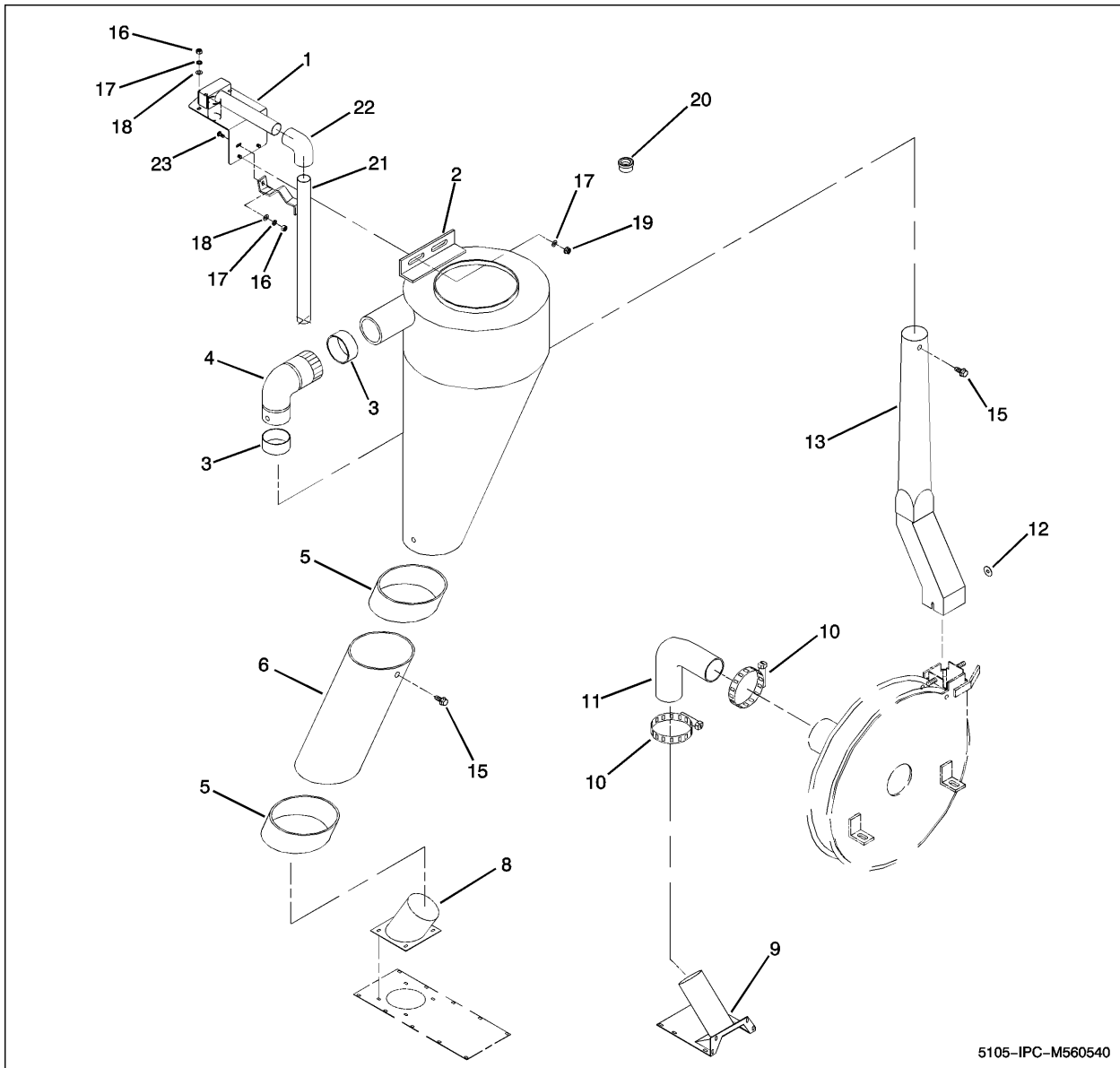


5105-IPC-M529260

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529260	MAIN SHIELD ASSEMBLY	RF
1	529270	BASE WLDT., MAIN SHIELD	1
2	023060	NUT, LOCK 3/8-16	4
3	022920	WASHER, FLAT 5/16	8
4	020190	NUT, LOCK 5/16-18	8
5	365800	SHIELD WLDT., MAIN	1
6	012410	BOLT, CRG. 5/16-18 X 3/4	8
7	205650	HOOK, RUBBER	1
8	021240	SCREW, TR HD 1/4-20 X 1/2	4
9	023270	NUT, LOCK 1/4-20	4
10	529300	BASE WLDT., RIGHT	1
11	215800	PIN, CLEVIS 1/4 X 1-5/8	1
12	116820	PIN, COTTER 1/16 X 3/4	1
13	E104310	BRACKET, HOOK	1
14	376930	SCREW, RD HD #10 X 3/8	2
15	120600	WASHER, LOCK #10	2
16	J14H631	NUT, HEX #10-32	2
17	012260	BOLT, HHCS 3/8-16 X 1	4
18	529320	FILLER, SHIELD	1
19	387050	STRAP, LEFT	1
20	387060	STRAP, RIGHT	1
21	387040	EYEBROW	1

- = Not Illustrated

AIR SYSTEM



AIR SYSTEM

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560540	AIR SYSTEM	RF
1	529010	BRACKET WLDT, CYCLONE	1
2	366150	COLLECTOR ASSY, DUST	1
3	185880	BAND, 4 INCH RUBBER	2
4	188390	ELBOW, 4 INCH 90 DEGREE CORRUGATED	1
5	254160	BAND, 6 INCH RUBBER	2
6	165870	COUPLER, PIPE	1
8	366160	COVER WELDMENT	1
9	560130	ANGLE WELDMENT	1
10	205920	CLAMP, HOSE	2
11	205910	ELBOW, FAN INLET	1
12	169990	WASHER, FLAT 11/32 X 1/8 X 0.06	2
13	366090	PIPE ASSEMBLY, VERTICAL	1
15	205940	SCREW	9
16	027260	NUT, HEX 3/8-16	4
17	021180	WASHER, LOCK 3/8	4
18	021190	WASHER, FLAT 3/8	6
19	020180	NUT, LOCK 3/8-16	2
20	E276028	CAP, PIPE	1
21	529030	TUBE AND BRACKET WELD	1
22	128500	ELBOW, 90 DEGREE HOSE 2 INCH	1
23	170530	BOLT, CRG 3/8 X 1.0	1

- = Not Illustrated

HYDRAULIC AUGER FEEDER ASSEMBLY

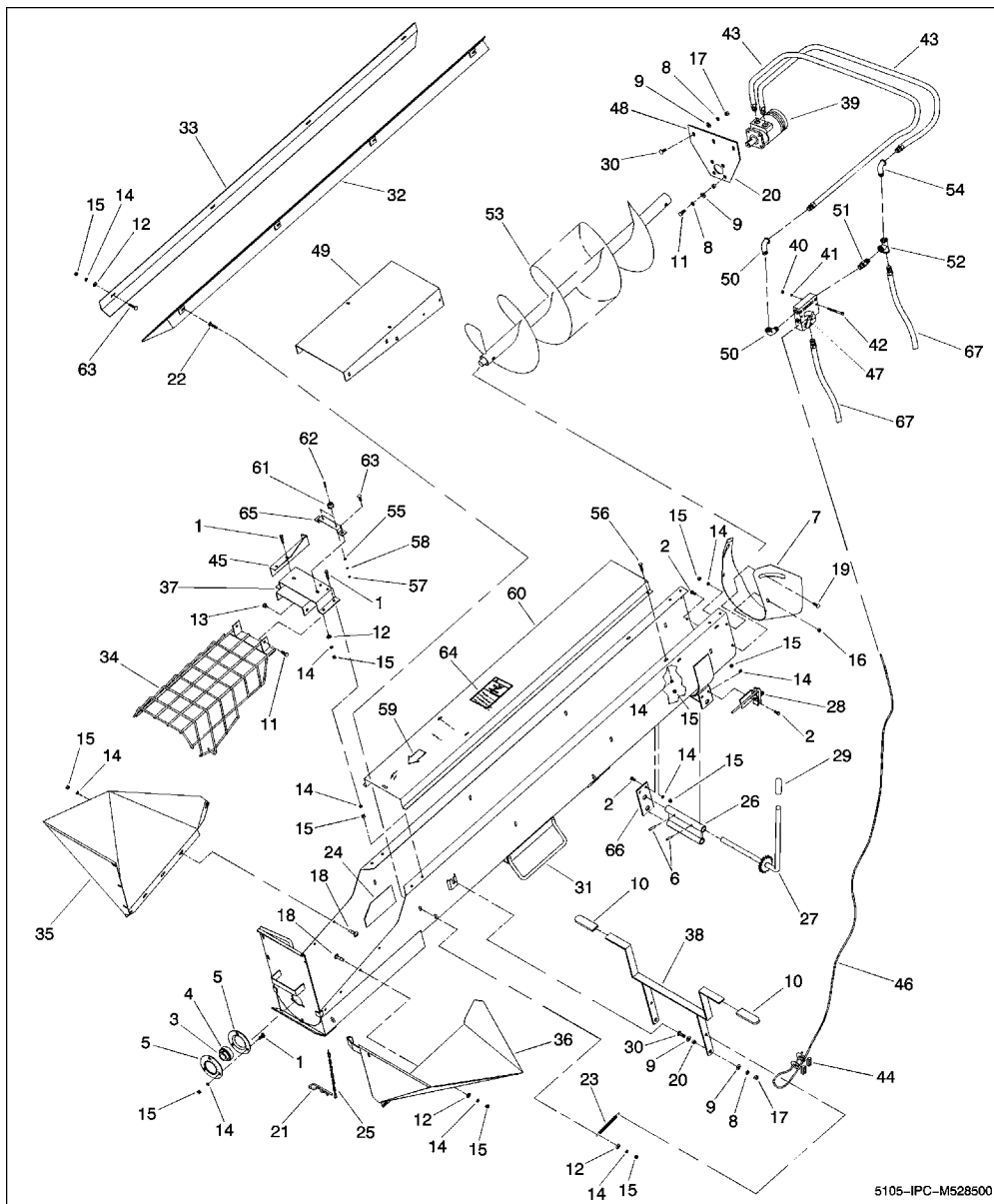


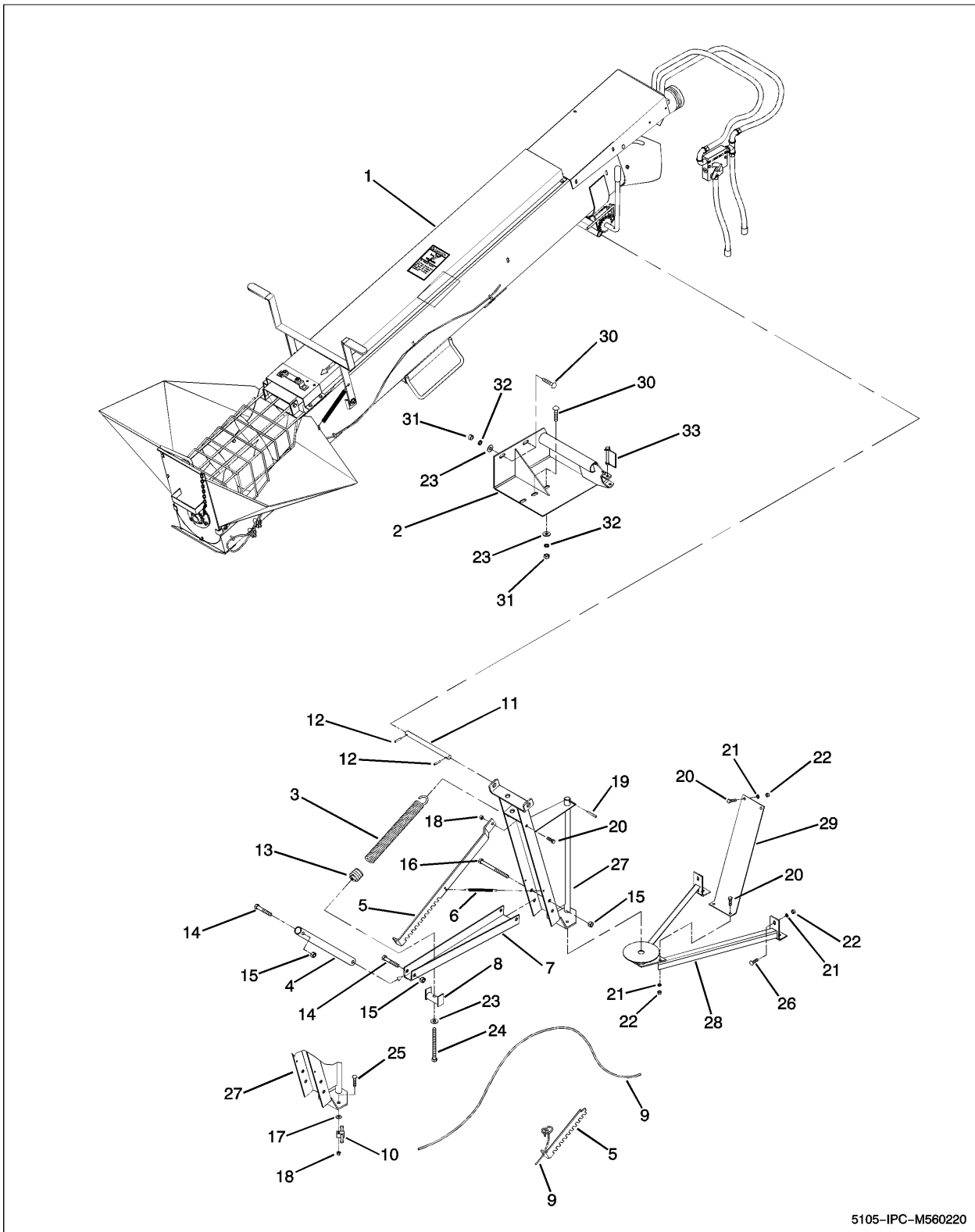
FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	528500	HYDRAULIC AUGER FEEDER ASSEMBLY	RF
1	005900	BOLT, HHCS 5/16-18 X 1 GR5	7
2	012140	BOLT, HHCS 5/16-18 X 3/4	20
3	012300	COLLAR, LOCK 1.0 ECC	1
4	012310	BEARING, ADAPTER 1.00 SOD	1
5	012330	FLANGETTE, BRG 1.0 3-HOLE	2
6	012550	PIN, EXPANSION 1/4 X 1.25	2
7	015060	HOUSING, DOWN SPOUT AUGER	1
8	021180	WASHER LOCK 3/8	9
9	021190	WASHER, FLAT 3/8 STD	11
10	021560	GRIP, CLUTCH HANDLE	2
11	022420	BOLT, HHCS 3/8-16 X 3/4	6
12	022920	WASHER, FLAT 5/16 STD	30

HYDRAULIC AUGER FEEDER ASSEMBLY (CONT.)

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	528500	HYDRAULIC AUGER FEEDER ASSEMBLY (CONT.)	RF
13	023060	NUT, LOCK 3/8-16 HEX	2
14	023620	WASHER, LOCK 5/16	42
15	023630	NUT, HEX 5/16-18	48
16	025670	NUT, LOCK 5/16-18	2
17	027260	NUT, HEX 3/8-16	5
18	028230	SCREW, THMS 5/16-18 X 3/4	5
19	033320	BOLT, STEP 5/16-18 X 3/4	2
20	033460	SPACER, 0.375 X 0.281	6
21	035830	PIN, BRIDGE 3/16 INTERNAL	1
22	049290	BOLT, CRG 5/16-18 X 1-1/4	4
23	100750	SPRING, EXT. 0.438 X 5.75	1
24	123900	SEAL, DRAG FEEDER RUBBER	1
25	143700	CHAIN, ROLLER #16 SINGLE	1
26	150810	BRACKET WLDT, EXTENSION	1
27	150820	LEVER AND RATCHET WLDT	1
28	150840	STOP AND HOLDER ASSY	1
29	150940	GRIP, ROUND HANDLE	1
30	170530	BOLT, CRG 3/8-16 X 1 SSN	5
31	528540	HOUSING WLDT, AUGER FEED	1
32	206770	ANGLE WLDT, RH A/F	1
33	206780	ANGLE, LEFT SIDE DRAG	1
34	560670	GRATE, AUGER FEEDER	1
35	210810	HOPPER WLDT, STATI ONARY	1
36	210830	HOPPER WLDT, FOLDING A/F	1
37	560660	BRACKET, A/F GRATE	1
38	528510	HANDLE WLDT, A/F CLUTCH	1
39	014280	MOTOR, HYD 12CI DI SPLACE	1
40	027660	NUT, HEX 1/4-20	2
41	029440	WASHER, LOCK 1/4 SAE	2
42	031560	BOLT, HHCS 1/4-20 X 2-1/2	2
43	041740	HOSE, HYD 1/2 X 16 100R2	2
44	129260	CLIP, 1/8 INCH MALLEABLE WIRE	1
45	152310	BRACKET, LEVER STOP HYD	1
46	159830	CABLE, 1/8 OD X (7 x 9) x 80 OAL	1
47	161510	VALVE ASSY, HYD FLOW CONT.	1
48	164620	PLATE, HYD. MOTOR MOUNT	1
49	164630	PLATE, WLDT, HYD., A/F TOP	1
50	166230	ELBOW, HYD. STL. 1/2NPTF 90 DEGREE	2
51	166250	FITTING, HYD. NIPPLE 1/2NPT	1
52	166290	ADAPTER, TEE 1/2NPTF	1
53	206760	AUGER WLDT, 10 INCH LH HYD.	1
54	270620	ADAPTER, 1/2-14 45 DEGREE ELBOW	1
55	W144750056	WASHER FLAT 7/32 SAE	2
56	006880	BOLT, HHCS 5/16-18 X 5/8	2
57	120590	NUT, HEX 10-24	2
58	120600	WASHER, LOCK #10	2
59	148260	DECAL, FEEDER DRIVE STOP	1
60	206790	COVER WLDT., HYD. A/F UPPER	1
61	212510	BUMPER, RUBBER	2
62	991120	SCREW, RHMS 10-24 X 3/4	2
63	254060	BOLT, CRG 5/16-18 X 1 SSN	7
64	383990	DECAL, DANGER A/F HAZARD	1
65	529650	STRAP, RUBBER BUMPER MTG	1
66	529660	PLATE, TRANSPORT LOCKING	1
67	164560	HOSE, HYD. 1/2 X 120 100R2	2

- = Not Illustrated

AUGER FEEDER SUPPORT SYSTEM



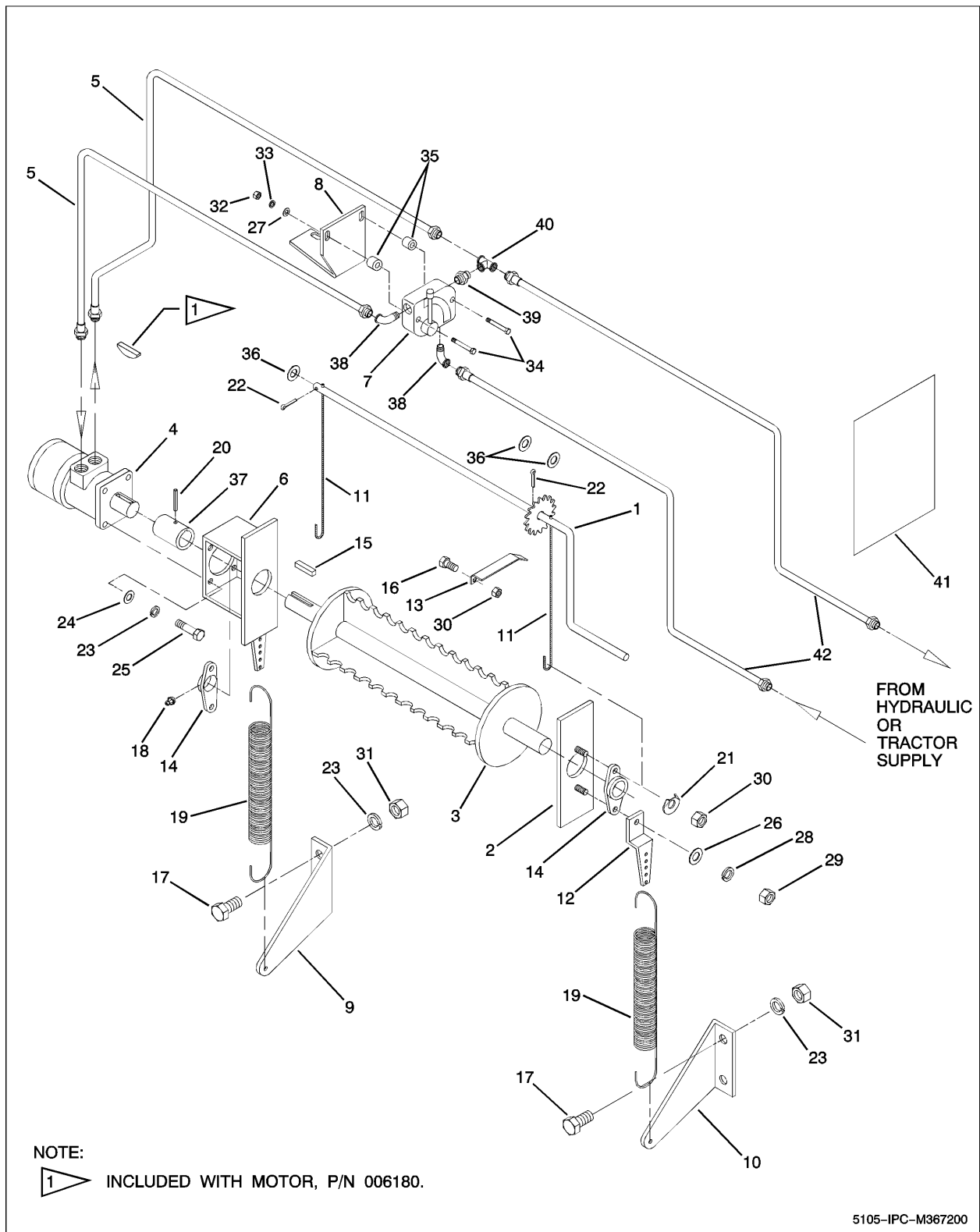
5105-IPC-M560220

AUGER FEEDER SUPPORT SYSTEM

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	560220	AUGER FEEDER SUPPORT SYSTEM	RF
1	528500	AUGER FEEDER ASSY	1
2	560260	MOUNT WLDT., A/F 20 INCH HAMMER MILL	1
3	113470	SPRING, 2 INCH X 14 INCHES	1
4	131960	LINK, SPRING ASSIST VERTICAL	1
5	152880	BAR, RATCHET	1
6	100750	SPRING, EXTENSION	1
7	152870	CHANNEL, RATCHET LEVER MTG.	1
8	161540	PIN WLDT., PIVOT	1
9	211490	ROPE, POLUPROPOLENE 102 INCHES LONG	1
10	160560	HANDLE ASSEMBLY, BRAKE	1
11	015120	PIN, DRAG	1
12	026630	PIN, COTTER 5/32 X 1.5 ZN	2
13	113490	NUT, SPRING RETAINING	1
14	007080	BOLT, HHCS 1/2-13 X 2.5 GR5 ZN	2
15	127890	NUT, LOCK 1/2-13 FIN HEX GRA	3
16	160350	BOLT, HHCS 1/2-13 X 5.0 GR5 ZN	1
17	012270	WASHER, FLAT 0.406 X 1.75 X 0.134 PL	1
18	023060	NUT, LOCK 3/8-16 FIN HEX GRA	2
19	013600	PIN, EXPANSION 1/4 INCH DIA. X 2.0	1
20	012260	BOLT, HHCS 3/8-16 X 1.0 GR5 ZN	5
21	021180	WASHER, LOCK 3/8 INCH	10
22	027260	NUT, HEX 3/8-16 GR5 ZN	10
23	005200	WASHER, FLAT 0.562 X 1.38 X 0.109	4
24	013800	BOLT, HHCS 1/2-13 X 5.0 GR5 ZN	1
25	012420	BOLT, CRG 3/8-16 X 1.5 SQ NK	1
26	032840	BOLT, CRG 1/2-13 X 1.25 SSN GR5	6
27	206730	SWIVEL WLDT., A/F SWIVEL	1
28	560230	SUPPORT WLDT., 20 INCH LOWER	1
29	377840	STRAP, REIN. MILL TO SWIVEL	1
30	E096046	BOLT, CRG 1/2-13 X 1-1/2	3
31	005360	NUT, HEX 1/2-13	3
32	005370	WASHER, LOCK 1/2	3
33	143710	PIN, SNAPPER 3/8 X 2-1/2	1

- = Not Illustrated

20 INCH HYDRAULIC ROLL FEEDER (WITHOUT AUGER FEEDER)

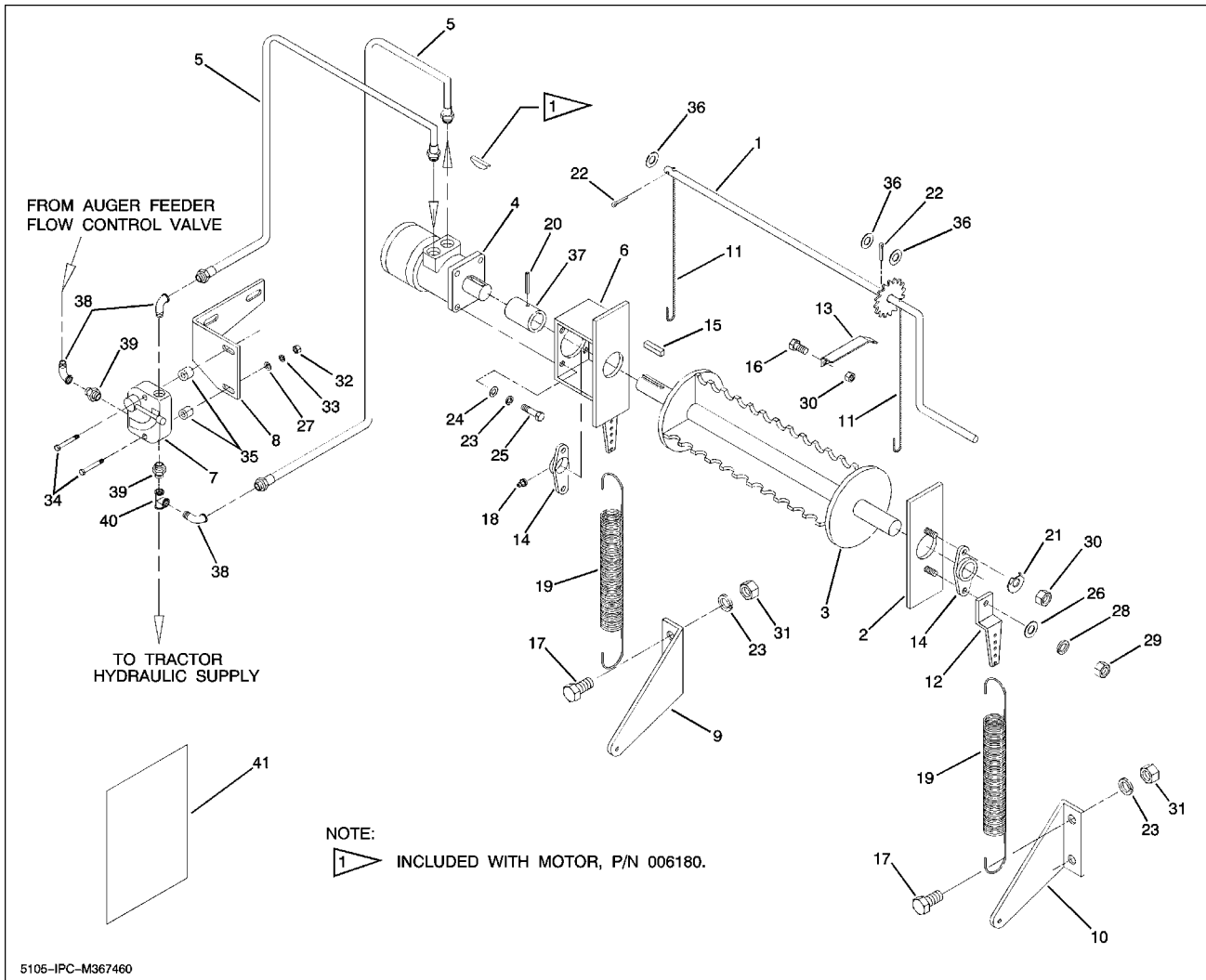


20 INCH HYDRAULIC ROLL FEEDER (WITHOUT AUGER FEEDER)

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	367200	20 INCH HYDRAULIC ROLL FEEDER (WITHOUT AUGER FEEDER)	RF
1	007960	CRANK ASSY	1
2	013330	PLATE, SLIDING ROLL	1
3	013340	ROTOR WELD ASSY, R. F.	1
4	014280	MOTOR, HYD. 12 CU. IN.	1
5	046640	HOSE ASSY, HYD. 1/2 NPT	2
6	160130	MOTOR MOUNT WELD.	1
7	161510	VALVE ASSY, HYD. FLOW	1
8	213000	BRACKET, FLOW CONTROL	1
9	366920	BRACKET, LEFT LOWER	1
10	366930	BRACKET, RIGHT LOWER	1
11	007880	CABLE, ROLL FEED ADJUST.	2
12	007900	BRACKET, UPPER SPRING	1
13	007930	LOCK, ROLL FEED RATCHET	1
14	011200	BEARING, ROLL FEED	2
15	011530	KEY, PAR. 1/4 SQ. X 1-1/4	1
16	012140	BOLT, HHCS 5/16-18 X 3/4	1
17	012260	BOLT, HHCS 3/8-16 X 1	4
18	013170	ZERK, 1/8 NPT SH. GREASE	2
19	017200	SPRING, ROLL FEED	2
20	018920	PIN, ROLL 1/4 X 1-3/4	1
21	019050	WASHER, SPECIAL LOCK	2
22	020700	PIN, COTTER 5/32 X 1	2
23	021180	WASHER, LOCK 3/8 INCH	8
24	021190	WASHER, FLAT 3/8 STD.	8
25	022420	BOLT, HHCS 3/8-16 X 3/4	4
26	022920	WASHER, FLAT 5/16 STD.	4
27	023260	WASHER, FLAT 1/4 STD.	2
28	023620	WASHER, LOCK 5/16 INCH	4
29	023630	NUT, HEX 5/16-18	4
30	025670	NUT, HEX LOCK 5/16-18	3
31	027260	NUT, HEX 3/8-16	4
32	027660	NUT, HEX 1/4-20	2
33	029440	WASHER, LOCK 1/4 INCH	2
34	031560	BOLT, HHCS 1/4-20 X 2-1/2	2
35	033460	SPACER, 0.375 ID X 0.28 LG	2
36	035210	WASHER, FLAT 5/8 SAE	4
37	160140	COLLAR, SHAFT COUPLER	1
38	166230	ELBOW, HYD. STL. 1/2 INCH NPTF	3
39	166250	FITTING, HYD. NIPPLE	2
40	166290	ADAPTER, TEE	1
41	367230	INSTRUCTIONS, HYD. R. F.	1
42	164560	HOSE ASSY, 1/2 X 120 NPT	2

- = Not Illustrated

20 INCH HYDRAULIC ROLL FEEDER (WITH AUGER FEEDER)

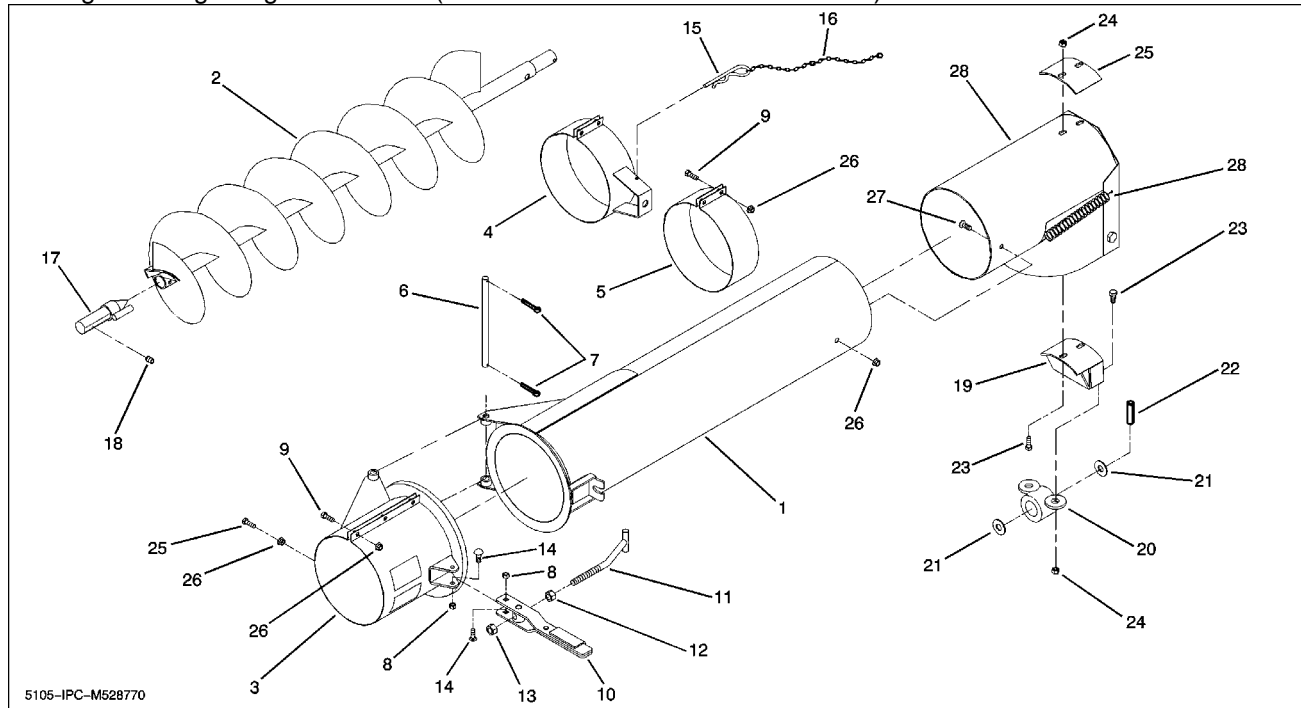


20 INCH HYDRAULIC ROLL FEEDER (WITH AUGER FEEDER)

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	367460	20 INCH HYDRAULIC ROLL FEEDER (WITH AUGER FEEDER)	RF
1	007960	CRANK ASSY	1
2	013330	PLATE, SLIDING ROLL	1
3	013340	ROTOR WELD ASSY. R. F.	1
4	014280	MOTOR, HYD. 12 CU. IN.	1
5	023170	HOSE ASSY, HYD. 1/2 NPT	2
6	160130	MOTOR MOUNT WELD	1
7	161510	VALVE ASSY, HYD. FLOW	1
8	212660	BRACKET, FLOW CONTROL	1
9	366920	BRACKET, LEFT LOWER	1
10	366930	BRACKET, RIGHT LOWER	1
11	007880	CABLE, ROLL FEED ADJUST.	2
12	007900	BRACKET, UPPER SPRING	1
13	007930	LOCK, ROLL FEED RATCHET	1
14	011200	BEARING, ROLL FEED	2
15	011530	KEY, PAR. 1/4 SQ. X 1-1/4	1
16	012140	BOLT, HHCS 5/16-18 X 3/4	1
17	012260	BOLT, HHCS 3/8-16 X 1	4
18	013170	ZERK, 1/8 NPT SH. GREASE	2
19	017200	SPRING, ROLL FEED	2
20	018920	PIN, ROLL 1/4 X 1-3/4	1
21	019050	WASHER, SPECIAL LOCK	2
22	020700	PIN, COTTER 5/32 X 1	2
23	021180	WASHER, LOCK 3/8 INCH	8
24	021190	WASHER, FLAT 3/8 STD.	8
25	022420	BOLT, HHCS 3/8-16 X 3/4	4
26	022920	WASHER, FLAT 5/16 STD.	4
27	023260	WASHER, FLAT 1/4 STD.	2
28	023620	WASHER, LOCK 5/16 INCH	4
29	023630	NUT, HEX 5/16-18	4
30	025670	NUT, HEX LOCK 5/16-18	3
31	027260	NUT, HEX 3/8-16	4
32	027660	NUT, HEX 1/4-20	2
33	029440	WASHER, LOCK 1/4 INCH	2
34	031560	BOLT, HHCS 1/4-20 X 2-1/2	2
35	033460	SPACER, 0.375 ID X 0.28 LG	2
36	035210	WASHER, FLAT 5/8 SAE	4
37	160140	COLLAR, SHAFT COUPLER	1
38	166230	ELBOW, HYD. STL. 1/2 INCH NPTF	3
39	166250	FITTING, HYD. NIPPLE	2
40	166290	ADAPTER, TEE	1
41	367230	INSTRUCTIONS, HYD. R. F.	1

- = Not Illustrated

Folding Discharge Auger Extension (3 Inch - 528770 and 6 Inch - 528780)

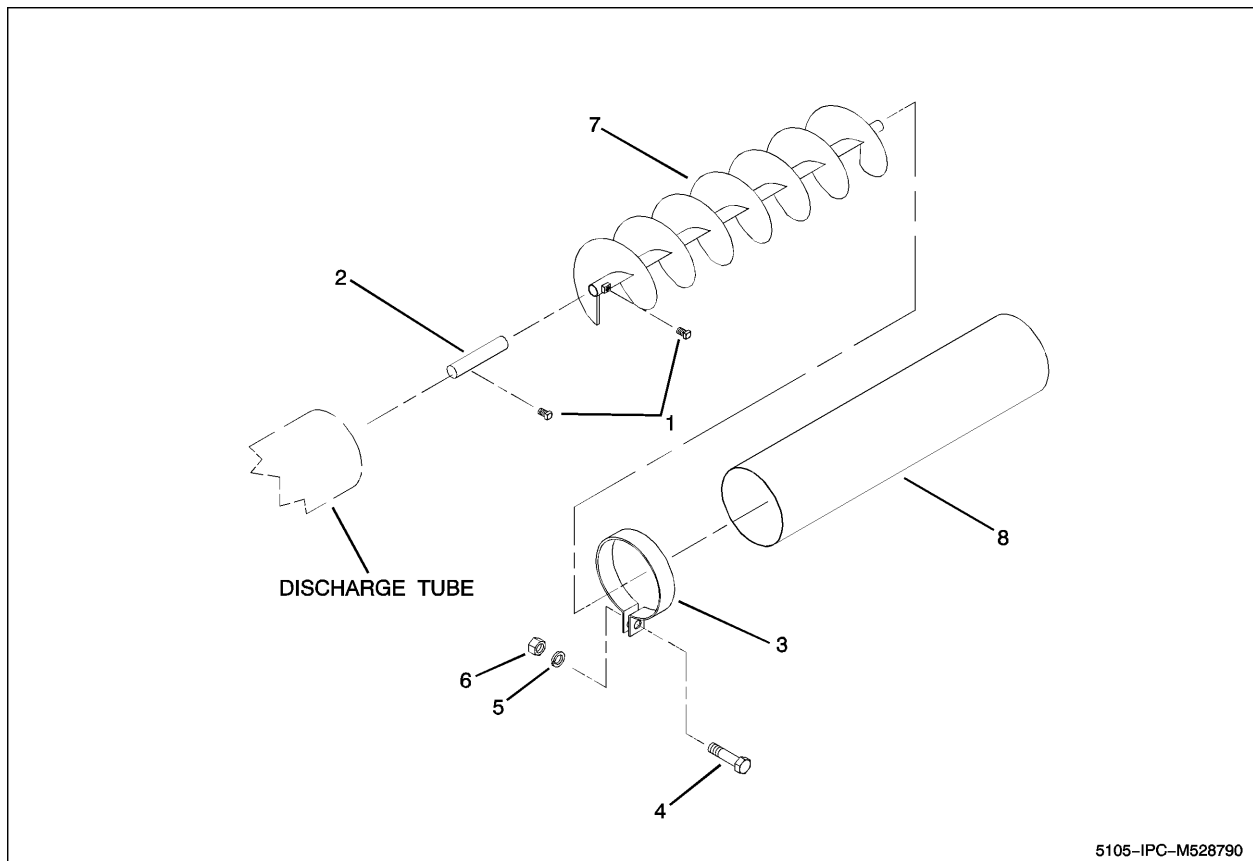


5105-IPC-M528770

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	528770	FOLDING DISCHARGE AUGER EXTENSION	RF
1	152150	3 FOOT EXTENSION TUBE	1
	152160	6 FOOT EXTENSION TUBE	1
2	528880	AUGER WLDT, TILTED 3 FOOT EXTENSION	1
	528900	AUGER WLDT, TILTED 6 FOOT EXTENSION	1
3	134250	PIVOT WELD, CLAMP-ON	1
	144650	DECAL, AUGER ENGAGEMENT	2
4	134240	CLAMP BAND WITH STRAP	1
5	134290	CLAMP BAND WITH PIN	1
6	144640	PIVOT PIN	1
7	034360	COTTER PIN, 1/8 DIA. X 1.0	2
8	025670	NUT, HEX LOCK, 5/16 NC	2
9	030030	BOLT, HEX HD, 5/16 NC X 1-1/4	7
10	127830	LOCKING HANDLE AND PIVOT ASSY	1
11	144270	T-BAR HANDLE	1
12	005360	NUT, HEX, 1/2 NC	1
13	127890	NUT, HEX LOCK, 1/2 NC	1
14	012410	BOLT, CARRIAGE, 5/16 NC X 3/4	2
15	035830	HAIRPIN, COTTER, 3/16 DIA. X 3	1
16	143700	CHAIN, 8 INCHES LONG	1
17	171160	PIVOT DRIVE WELD	1
18	008780	SET SCREW, SQ. HD., 7/16 NC X 3/4	1
19	134320	HANGER WELD, BEARING	1
20	134310	BEARING, PILLOW BLOCK, WOOD 1-1/8	1
21	020650	WASHER, FLAT 1-1/8 ID	4
22	013600	PIN, ROLL 1/4 DIA. X 2	1
23	022420	BOLT, HEX HD., 3/8 NC X 3/4	4
24	020180	NUT, FLANGE LOCK, 3/8 NC	4
25	152200	PLATE, BEARING MOUNT	1
26	020190	NUT, FLANGE LOCK, 5/16 NC	11
27	028230	MACHINE SCREW, TRUSS HD., 5/16 NC X 3/4	4
28	152100	HOOD ASSEMBLY, DISCHARGE AUGER	1
	528770	3 FOOT FOLDING DISCHARGE AUGER (ITEM 28 NOT INCLUDED)	
	528780	6 FOOT FOLDING DISCHARGE AUGER (ITEM 28 NOT INCLUDED)	

- = Not Illustrated

BOLT-ON DISCHARGE AUGER EXTENSION (3 FOOT - 528790 AND 6 FOOT - 528800)



5105-IPC-M528790

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	528790	BOLT-ON DISCHARGE AUGER EXTENSION	RF
1	008780	SET SCREW, 7/16 X 3/4 SQ. HD.	
2	041130	SHAFT, 1.1 X 8	1
3	041140	BAND, CLAMPING	1
4	006690	BOLT, 3/8 X 1-1/4 HHCS	
5	021180	WASHER, 3/8 LOCK	
6	027260	NUT, 3/8 HEX	
7A	528920	AUGER, 3 FOOT EXTENSION	
7B	528940	AUGER, 6 FOOT EXTENSION	
8A	041040	TUBE, 3 FOOT EXT.	
8B	041070	TUBE, 6 FOOT EXT.	
	528790	KIT, 3 FOOT BOLT-ON EXTENSION, TILTED FLIGHTING	
	528800	KIT, 6 FOOT BOLT-ON EXTENSION, TILTED FLIGHTING	

- = Not Illustrated

HYDRAULIC PLUMBING (LIFT AND SWING WITH HYDRAULIC AUGER FEEDER)

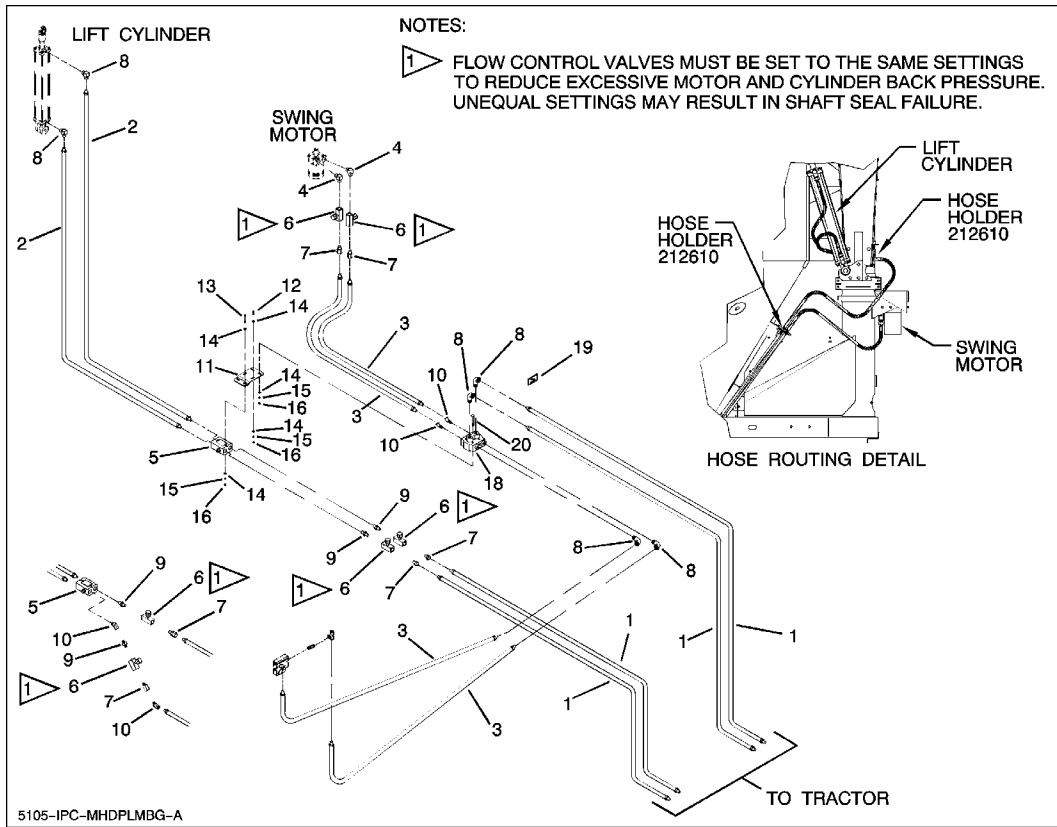


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
		HYDRAULIC PLUMBING	RF
1	014250	HOSE, HYDRAULIC 100R2 1/2 INCH X 144 INCHES SAE	4
2	385790	HOSE, HYDRAULIC 100R2 1/2 INCH X 180 INCHES SAE	2
3	164560	HOSE, HYDRAULIC 100R2 1/2 INCH X 120 INCHES SAE	4
4	274460	ELBOW, MALE 1/2 INCH X 3/8 INCH X 90 DEGREES NPTF	2
5	163280	VALVE, DUAL RELIEF 800 PSI	1
6	212490	VALVE, FLOW CONTROL (REFER TO NOTE)	4
7	502570	BUSHING, REDUCER 1/2 INCH X 3/8 INCH	4
8	166230	ELBOW, STREET 1/2 INCH X 90 DEGREES NPTF	6
9	212480	ADAPTER, 1/2 NPT-3/8 NPT	2
10	270620	ADAPTER, 1/2-14 45 DEGREE STEEL STREET ELBOW	4
11	528390	BRACKET, HYD VALVES	1
12	005900	BOLT, HHCS 5/16-18 X 1 INCH	
13	009800	BOLT, HHCS 5/16-18 X 2-1/2	
14	022920	WASHER, FLAT 5/16 STD	
15	023620	WASHER, LOCK 5/16	
16	023630	NUT, HEX 5/16-18	
17	149670	TIE, 3/16 X 11 CABLE	
18	163290 248060 277270	VALVE, DOUBLE SELECTOR VALVE KIT, HANDLE VALVE KIT, SEAL	1
19	159460	DECAL, VALVE DIRECTION	1
20	160230	BOLT, HHCS 5/16-18 X 3	
	NOTE :	BOTH VALVES SHOULD BE SET TO THE SAME FLOW. UNEQUAL SETTINGS WILL CAUSE EXCESSIVE MOTOR AND CYLINDER BACK PRESSURE AND SHAFT SEAL FAILURE	

- = Not Illustrated

HYDRAULIC PLUMBING (LIFT AND SWING WITHOUT HYDRAULIC AUGER FEEDER)

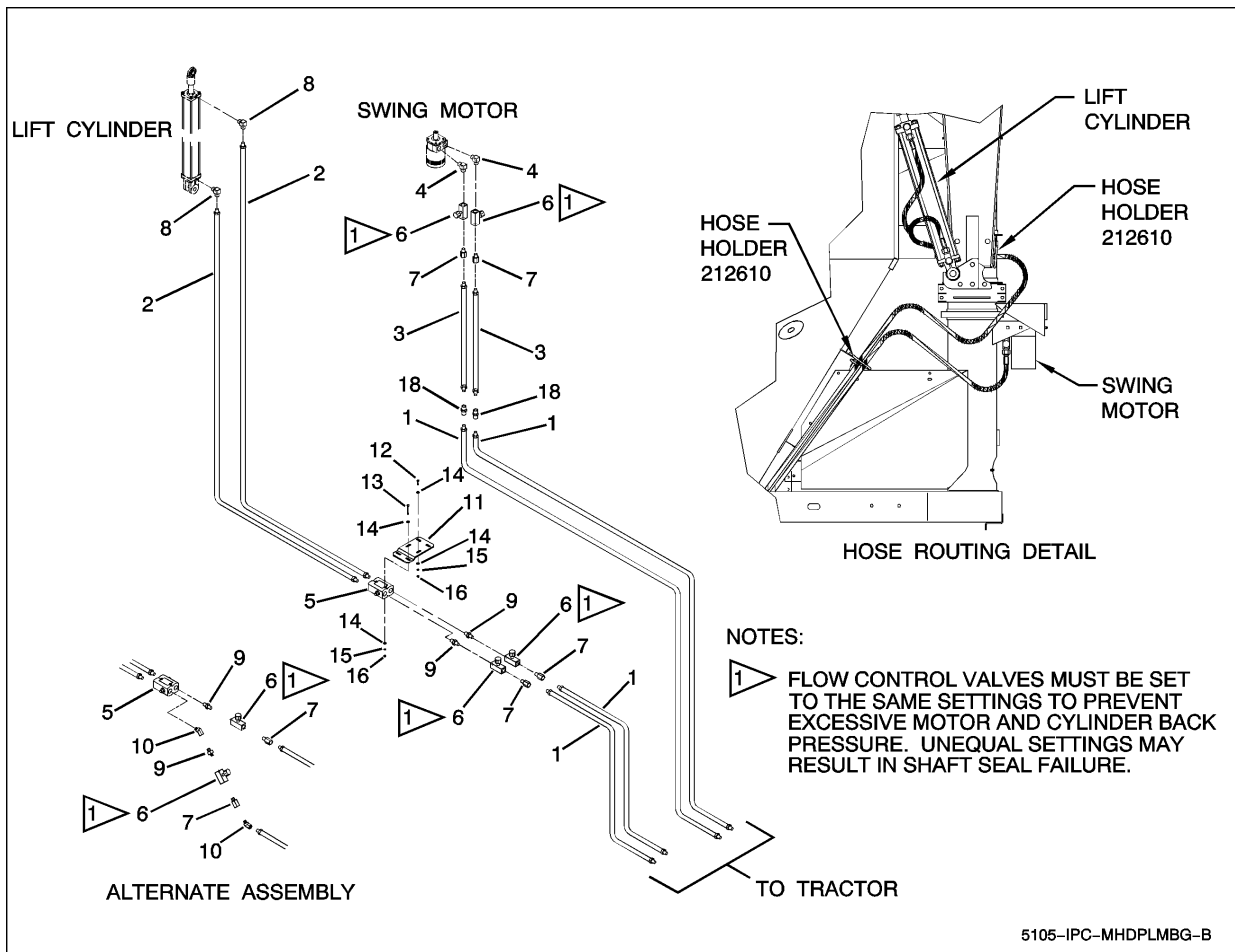
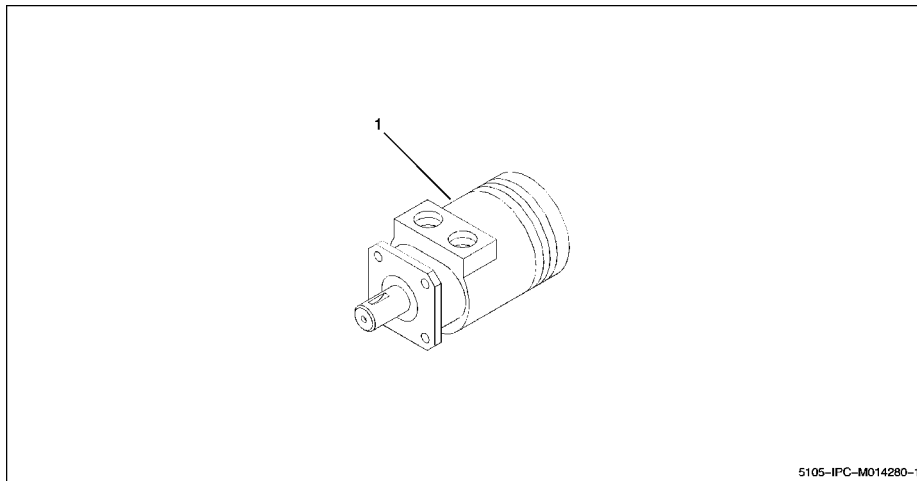


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
		HYDRAULIC PLUMBING	RF
1	014250	HOSE, HYDRAULIC 100R2 1/2 INCH X 144 INCHES SAE	4
2	385790	HOSE, HYDRAULIC 100R2 1/2 INCH X 180 INCHES SAE	2
3	164560	HOSE, HYDRAULIC 100R2 1/2 INCH X 120 INCHES SAE	2
4	274460	ELBOW, STREET 1/2 INCH X 3/8 INCH X 90 DEGREE NPTF	3
5	163280	VALVE, DUAL RELIEF 800 PSI	1
6	212490	VALVE, FLOW CONTROL (REFER TO NOTE)	4
7	502570	BUSHING, REDUCER 1/2 INCH X 3/8 INCH	4
8	166230	ELBOW, STREET 1/2 INCH X 90 DEGREES NPTF	2
9	212480	ADAPTER, 1/2 NPT-3/8 NPT	2
10	270620	ADAPTER, 1/2-14 NPT STR 45 DEGREES	2
11	528390	BRACKET, HYD VALVES 5165	1
12	005900	BOLT, HHCS 5/16-18 X 1	2
13	009800	BOLT, HHCS 5/16-18 X 2-1/2	2
14	022920	WASHER, FLAT 5/16 STD	8
15	023620	WASHER, LOCK 5/16	4
16	023630	NUT, HEX 5/16-18	4
17	149670	TIE, 3/16 X 11 CABLE	10
18	133460	ADAPTER, COUPLER FM 1/2-14 NPTF	2
	NOTE :	BOTH VALVES SHOULD BE SET TO THE SAME FLOW. UNEQUAL SETTINGS WILL CAUSE EXCESSIVE MOTOR AND CYLINDER BACK PRESSURE AND SHAFT SEAL FAILURE.	

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HYDRAULIC MOTOR KITS

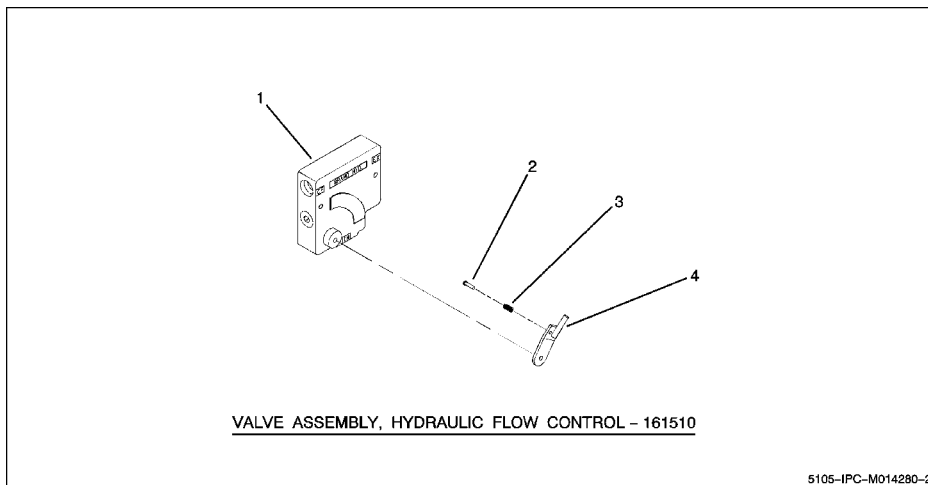


5105-IPC-M014280-1

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	014280	HYDRAULIC MOTOR KITS	RF
1	014280	MOTOR, HYDRAULIC (LIFT AND AUGER FEEDER)	
1	111090	MOTOR, HYDRAULIC (SWING)	
	243040	SEAL SKIT, ROSS TRW (014280 AND 111090) SERIES MG #SK000090	

- = Not Illustrated

VALVE ASSEMBLY, HYDRAULIC FLOW CONTROL



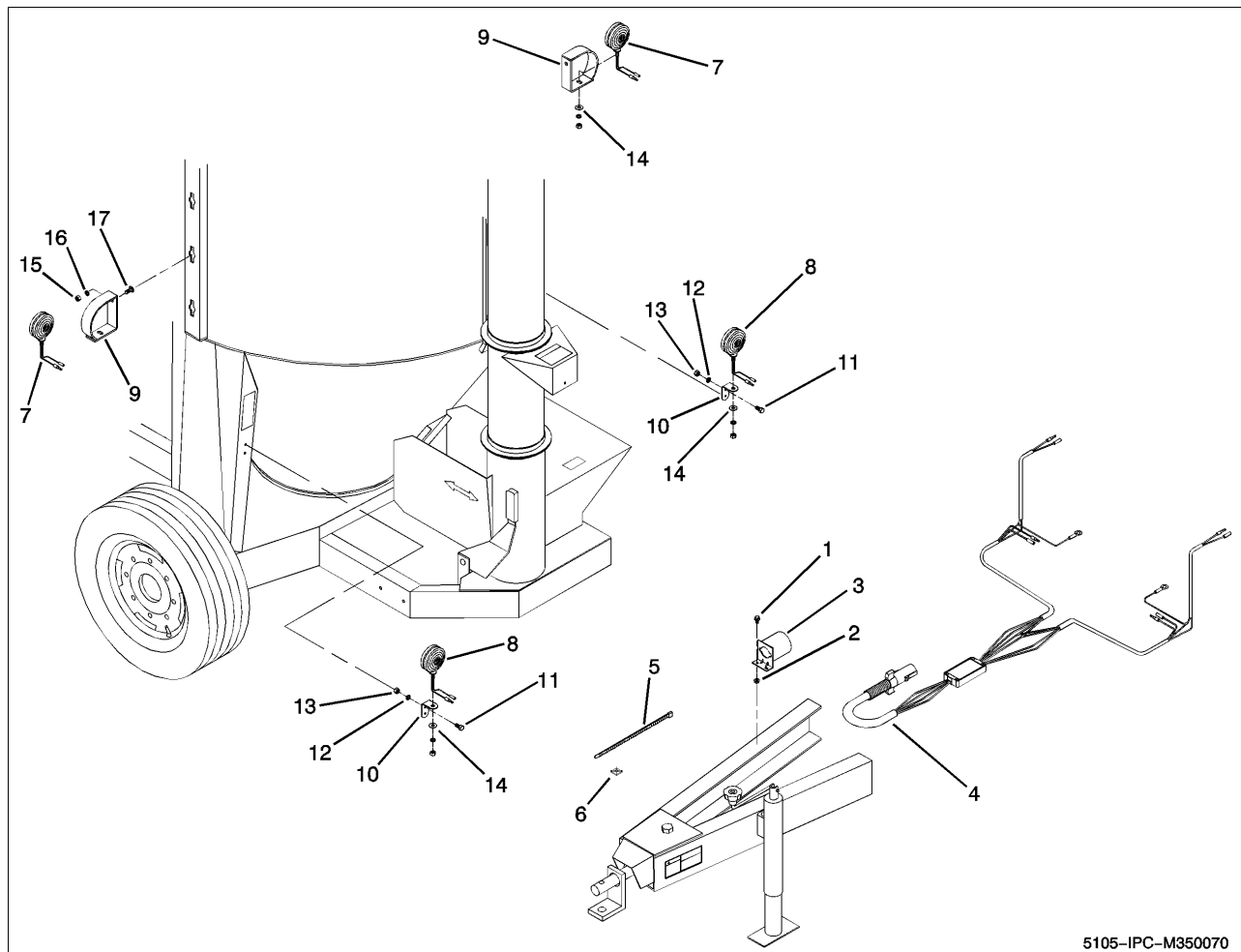
VALVE ASSEMBLY, HYDRAULIC FLOW CONTROL - 161510

5105-IPC-M014280-2

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	161510	VALVE ASSEMBLY, HYDRAULIC FLOW CONTROL	RF
1	006301	VALVE, FLOW CONTROL W/O HANDLE	1
2	012172	PIN, CLEVIS 3/8 X 1	2
3	042390	SPRING, 0.415 X 0.5 X 1.045 ZN	2
4	161500	LEVER WELDMENT, HYD. CONTROL	1

- = Not Illustrated

HIGHWAY LIGHT KIT

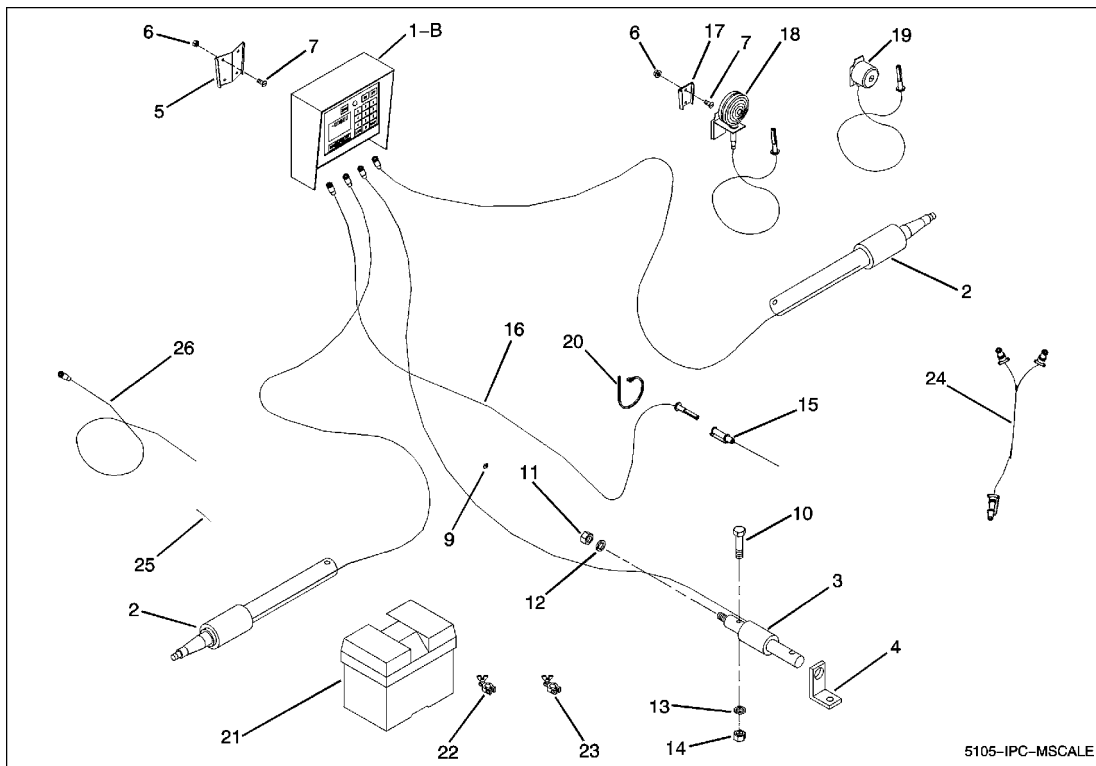


5105-IPC-M350070

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	350070	HIGHWAY LIGHT KIT	RF
1	J37H3	SCREW, HWHMS 1/4-20 X 5/8	2
2	027660	NUT, HEX 1/4-20	2
3	JPT1296	BRACKET, PLUG STORING	1
4	486710	HARNESS ASSEMBLY	1
5	149670	TIE, NYLON CABLE	10
6	JAT55441	MOUNT, CABLE TIE	8
7	350150	LIGHT ASSEMBLY, AMBER	2
8	350160	LIGHT ASSEMBLY, TAIL	2
9	350090	BRACKET WLDT., LIGHT MTG.	2
10	350100	BRACKET, TAIL LIGHT	2
11	006690	BOLT, HHCS 3/8-16 X 1-1/4	4
12	021180	WASHER, LOCK 3/8	4
13	027260	NUT, HEX 3/8-16	4
14	P99549	WASHER, FLAT 7/16 SAE	4
15	005360	NUT, HEX 1/2-13	2
16	005370	WASHER, LOCK 1/2	2
17	030470	BOLT, CRG. 1/2-13 X 1-1/4	2

- = Not Illustrated

ELECTRONIC SCALE ASSEMBLY



5105-IPC-MSCALE

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
		ELECTRONIC SCALE ASSEMBLY	RF
-1A	556670	INDICATOR, MODEL 640 - 3-WEIGHBAR/5-PIN PLUG	1
-1B	556680	INDICATOR, MODEL 640XL - 3-WEIGHBAR /5-PIN PLUG	1
-1C	5173101	INDICATOR, MODEL 1040 - 3-WEIGHBAR /5-PIN PLUG	1
-1D	556690	INDICATOR, MODEL 640M - 3-WEIGHBAR /5-PIN PLUG	1
2	040611	SPINDLE, WEIGH BAR 5 PIN	2
3	219870	HITCH, WEIGH BAR 5 PIN	1
4	036740	CLEVIS, HITCH 1-7/8 INCH	1
5	036670	BRACKET, INDICATOR	1
6	023270	NUT, LOCK 1/4 INCH - 20 HEX FLANGE	
7	021240	SCREW, TRUSS HEAD 1/4-20 X 1/2	
8	219880	PLUG, 5 PIN PLUG (FOR 4 CONNECTOR INDICATORS ONLY)	1
9	036890	CLIP, SPRING	3
10	990960	BOLT, HHCS 3/4-10 X 4-1/2	
11	147310	NUT, HEX 1-8 GRADE 2	
12	003350	WASHER, LOCK 1 INCH SPLIT	
13	036800	WASHER, LOCK 3/4 INCH SPLIT	
14	036750	NUT, HEX 3/4-10 GRADE 2	
15	036780	CONNECTOR, POWER CORD (FEMALE)	
16	147060	CORD, 23 INCH DIGITAL POWER	
17	039261	BRACKET	
18	111900	LIGHT, WARNING DIGITAL	
19	111880	HORN, DIGITAL WARNING	
20	149670	TIE, NYLON CABLE 3/16 INCH X 11 INCHES	
21	039690	BOX, BATTERY	
22	135440	CLAMP, POSITIVE BATTERY	
23	135450	CLAMP, NEGATIVE BATTERY	
24	199090	ADAPTER, DUAL	
25	1727206	SPLICE KIT, WEIGH BAR CORD	
26	253210	PIGTAIL, 5 PIN WITH B CONNECTOR WITH 1 FOOT CORD	
26	253211	PIGTAIL, 5 PIN WITH B CONNECTOR WITH 10 FOOT CORD	
30	253212	PIGTAIL, 5 PIN WITH B CONNECTOR WITH 20 FOOT CORD	

- = Not Illustrated

SCALE ARM ASSEMBLY

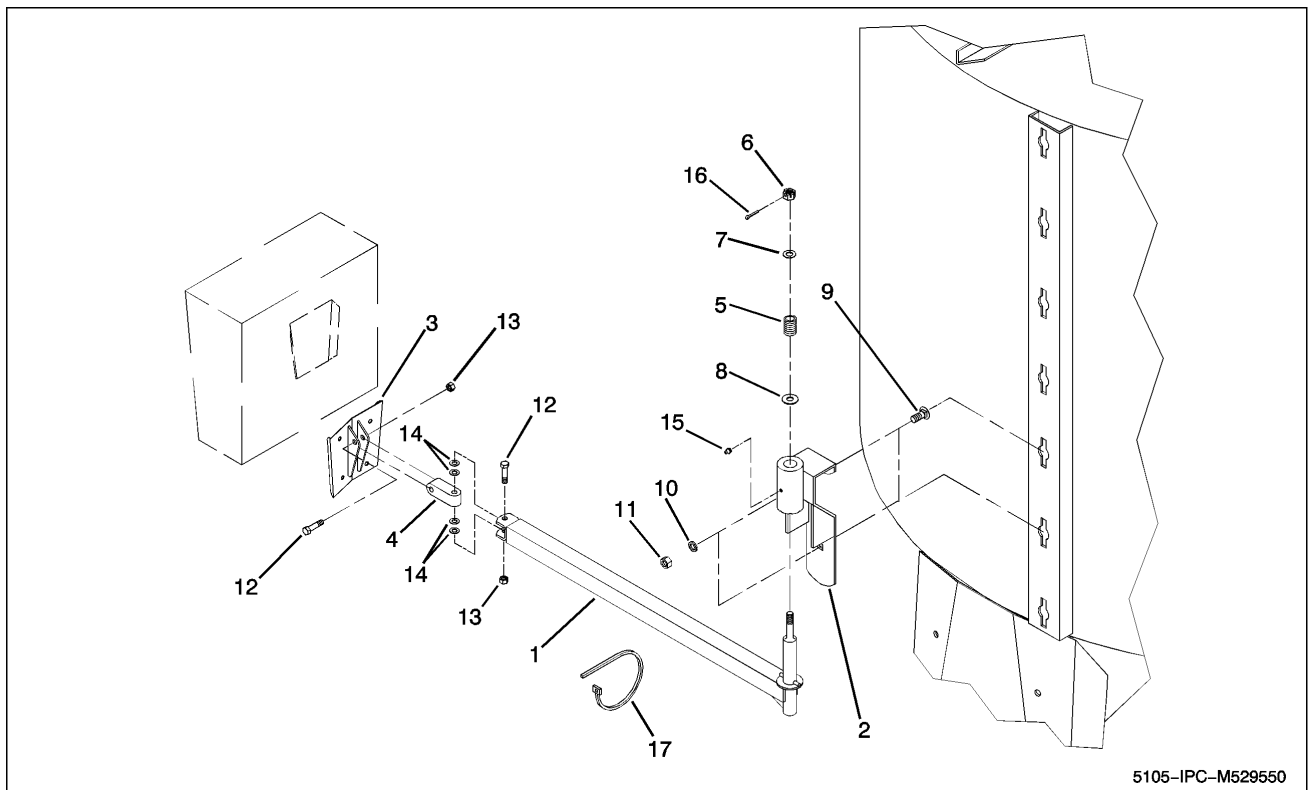
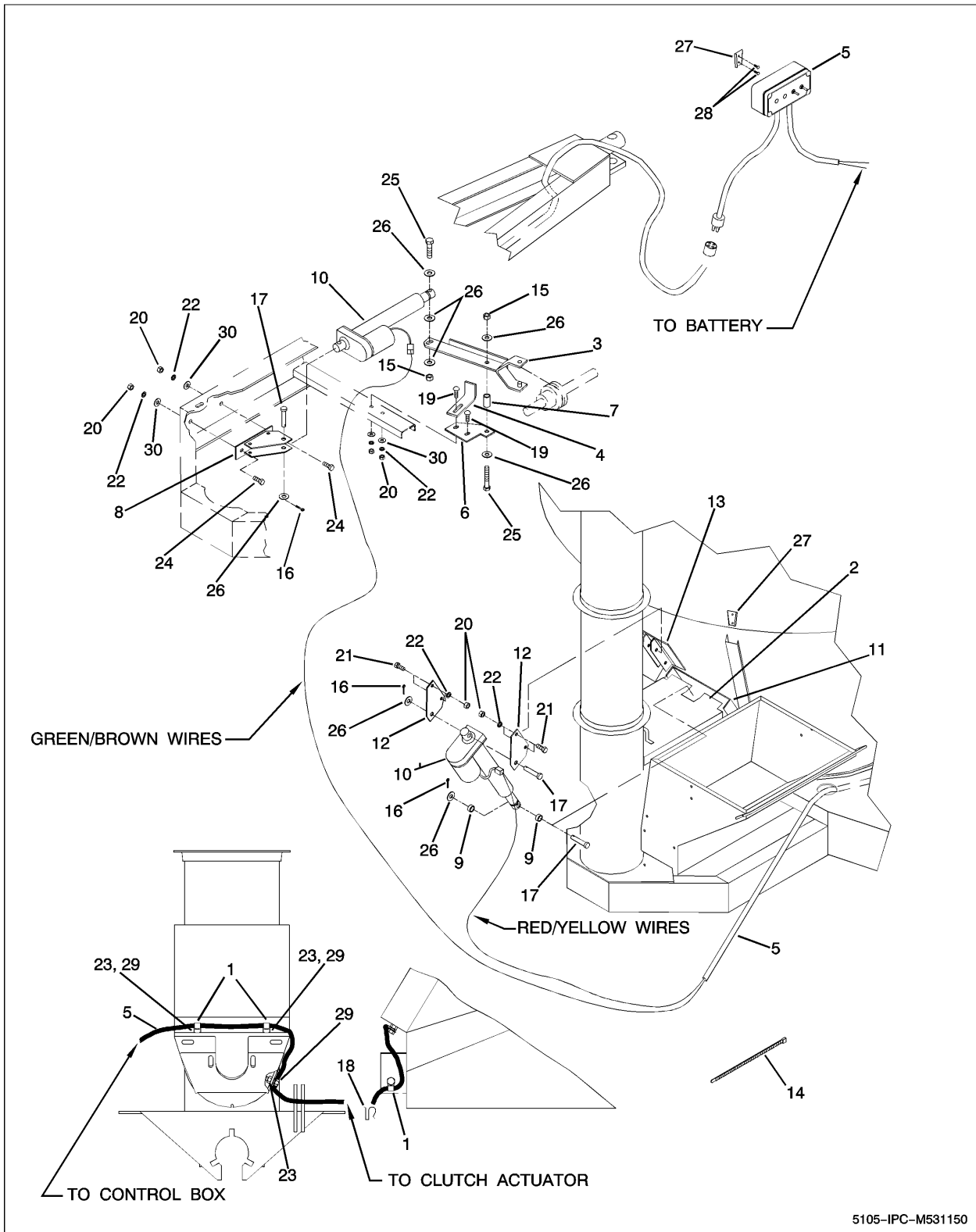


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529550	SCALE ARM ASSEMBLY	RF
1	529560	ARM WLDT, SCALE PIVOT	1
2	529600	BRACKET, WLDT., SCALE PIVOT MNT	1
3	529630	BRACKET, WLDT., SCALE MTG.	1
4	400800	BLOCK, PIVOT	1
5	342890	SPRING, COMPRESSION 1 X 1.75	1
6	215160	NUT, HEX SLOTTED 1/2-20	1
7	1120396	WASHER, FLAT, 1/2 SAE	1
8	005200	WASHER, FLAT 1/2 STD ZN	1
9	E096046	BOLT, CRG 1/2-13 X 1-1/2	2
10	005370	WASHER, LOCK 1/2	2
11	005360	NUT, HEX 1/2-13	2
12	037790	BOLT, HHCS 3/8-16 X 2 GR5	2
13	023060	NUT, LOCK 3/8 HEX 2-WAY	2
14	1120394	WASHER, FLAT 3/8 SAE	4
15	115590	ZERK, 1/4-28 TAPER DRIVE	1
16	020700	PIN, COTTER 5/32 X 1	1
17	149670	TIE, NYLON CABLE 3/16 X 11	6

- = Not Illustrated

ELECTRIC ACTUATOR PACKAGE FOR NON-SELF CONTAINED HYDRAULIC MIXER

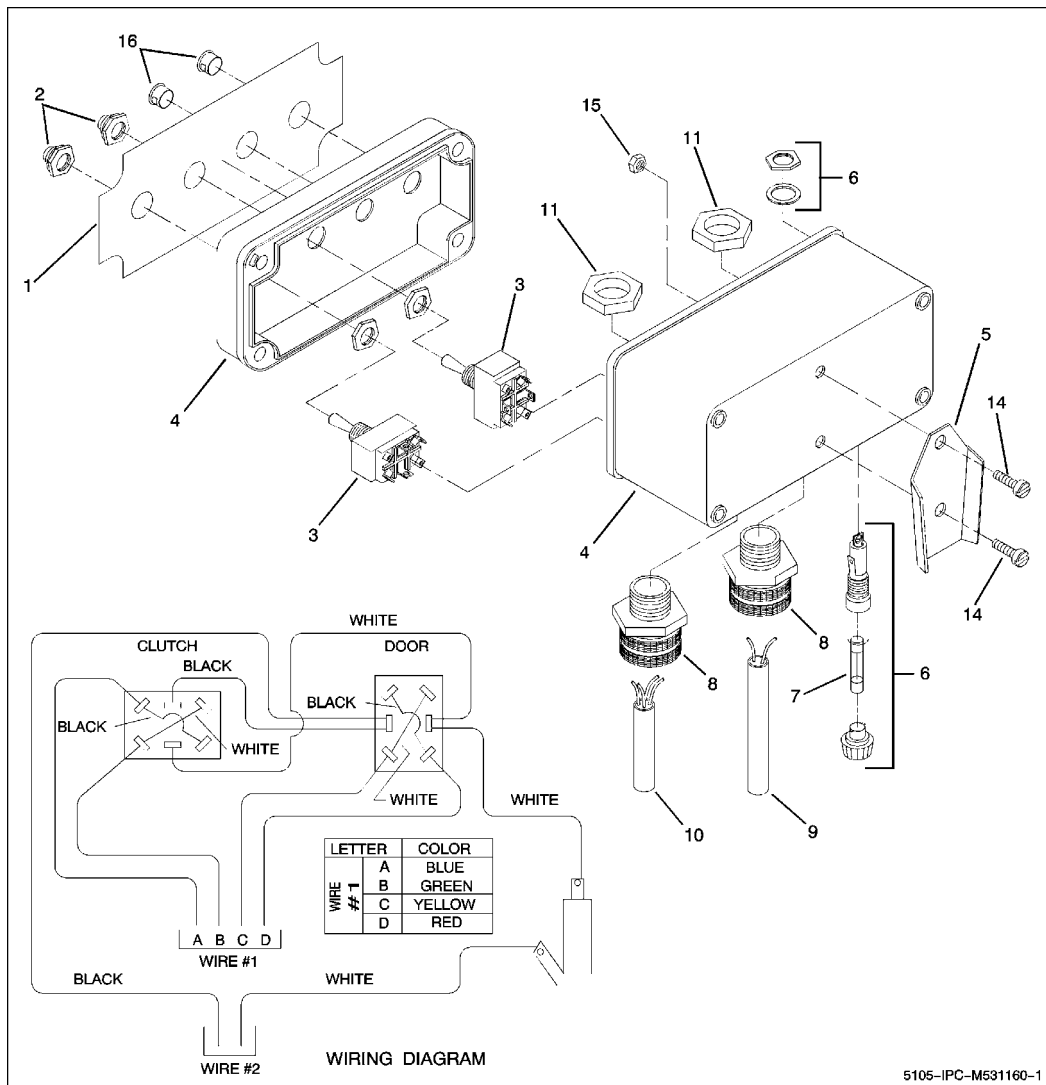


ELECTRIC ACTUATOR PACKAGE FOR NON-SELF CONTAINED HYDRAULIC MIXER

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	531150	ELECTRIC ACTUATOR PACKAGE FOR NON-SELF CONTAINED HYDRAULIC MIXER	RF
1	E180006	CLAMP, 0.32 GA, 3/8 INCH	3
2	274560	COVER WLDT., BACK HPPR	1
3	274260	CLUTCH ARM ASSEMBLY	1
4	274250	STOP, CLUTCH ACTUATOR	1
5	531160	REMOTE CONTROL	1
6	271270	PLATE, CLUTCH MOUNTING	1
7	271260	SPACER, CLUTCH ARM	1
8	271210	BRACKET, CLUTCH ACT MOUNT	1
9	208560	BUSHING, DISCHARGE DOOR	2
10	208550	ACTUATOR, ELECTROME CH	2
11	208530	DOOR WLDT., DISCHARGE	1
12	208520	PLATE	2
13	208490	BRACKET WLDT, ANCHOR	1
14	149670	TIE, NYLON CABLE	10
15	127890	NUT, 1/2-13 HX LCK, DISTHD	2
16	124350	PIN, COTTER 1/8 X 1-1/2	3
17	1030718	PIN, 1/2 X 2-1/2 CLEVIS	3
18	036890	CLIP, SPRING	1
19	035180	BOLT, CRG 3/8-16 X 1-1/4 SSN	2
20	027260	NUT, HEX 3/8	8
21	022420	BOLT, HHCS 3/8-16 X 3/4	4
22	021180	WASHER, LOCK 3/8	8
23	020190	NUT, LOCK 5/16-18 HX FLG	3
24	170530	BOLT, CRG 3/8-16 X 1	2
25	007080	BOLT, HHCS 1/2-13 X 2-1/2	2
26	005200	WASHER, FLAT 0.56 X 1.38 X 0.109	8
27	039261	BRACKET, MOUNTING	2
28	R66468	SCREW, HWHTS 1/4-14 X 1	2
29	JN10212	SCREW, 5/16-18 X 3/4 HX FLG	3
30	I120394	WASHER, FLAT 0.406 X 0.81 X 0.051	4

- = Not Illustrated

CONTROL BOX AND WIRE HARNESS ASSEMBLIES



5105-IPC-M531160-1

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	531160	CONTROL BOX AND WIRE HARNESS ASSEMBLIES	RF
1	274090	DECAL, FACE PLATE	1
2	212470	SWI TCH SEAL	2
3	209590	SWI TCH, TOGGLE MOMENTARY DPDT	2
4	274080	ENCLOSURE, REMOTE SELF CONT. GM	1
5	346690	MTG BRACKET	1
6	W154550016	FUSE HOLDER	1
7	E292002	FUSE	1
8	346750	CONN. CORD 0.25 TO 0.31	2
9	486680	WI RE, 14/2 GPT /300V NEO B/W	6
10	531170	CORD, CONTROL REMOTE BOX	1
11	209210	LOCKNUT, 1/2 CONDUIT	2
12	962680	WI RE, 16 GA. WHI TE	1
13	962690	WI RE, 16 GA. BLA CK	1
14	021240	SCREW, 1/4-20 X 1/2 TH HD	2
15	023270	NUT, LOCK 1/4 INCH HEX. FLG.	2
16	343340	PLUG, DOME PLASTIC	2

- = Not Illustrated

CONTROL BOX AND WIRE HARNESS ASSEMBLIES

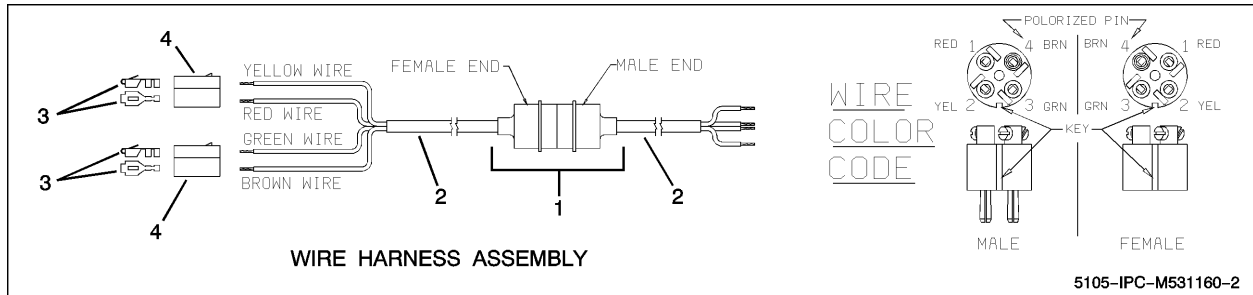
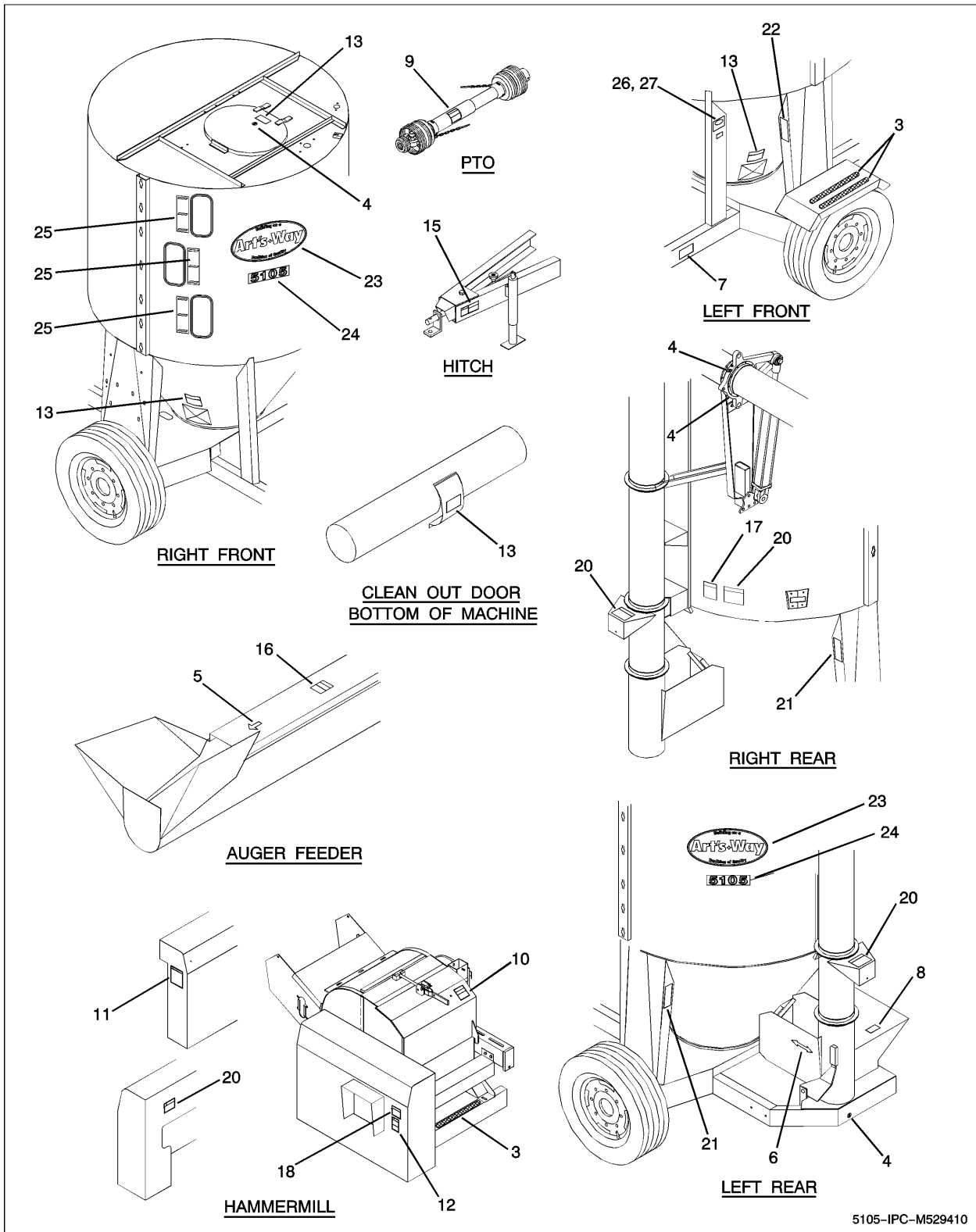


FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	531160	CONTROL BOX AND WIRE HARNESS ASSEMBLIES	RF
1	447490	CONNECTOR, 4-WAY	1
2	961800	WIRE, 16/4 TRAILER W/ SAE	30 FT
3	E192016	TERMINAL, MALE 14/16 GA.	4
4	E376001	INSULATOR, CONNECTOR MALE	2

- = Not Illustrated

PAINT AND DECALS



PAINT AND DECALS

FIG ITEM	PART NUMBER	NOMENCLATURE	UNITS PER ASSY
	529410	PAINT AND DECALS	RF
3	117720	TAPE, ANTI-SKID	3
4	146670	DECAL, GREASE SYMBOL	4
5	158520	DECAL, AUGER FEEDER STOP	1
6	158530	DECAL, START-STOP AUGER	1
7	159460	DECAL, VALVE DIRECTION	1
8	212350	DECAL, SUPPLEMENT INSTRUCTIONS	1
9	268860	DECAL, DANGER ROTATING DRIVE LINE	1
10	363000	DECAL, DANGER ROTATING MECHANISM	1
11	368040	DECAL, CAUTION SAFETY INSTRUCTIONS	1
12	368350	DECAL, WARNING MOVING FLYWHEEL HAZARD	1
13	377280	DECAL, CAUTION DO NOT OPEN	4
14	383320	DECAL, ATTENTION FOREIGN MATERIAL	1
15	383970	DECAL, CAUTION HITCH INSTRUCTIONS	1
16	383990	DECAL, DANGER AUGER FEEDER	1
17	384000	DECAL, DANGER ELECTROCUTION HAZARD	1
18	384030	DECAL, DANGER 565 RPM PTO	1
19	417250	DECAL, ROLLERMILL OPERATION	1
20	467450	DECAL, MOVING PART HAZARD	3
21	472450	REFLECTOR, RED	2
22	472460	REFLECTOR, AMBER	1
23	519480	DECAL, ARTSWAY LOGO 11.5 X 20 INCH	2
24	560210	DECAL, 5105 GRINDER MIXER	2
25	529400	DECAL, TANK WINDOW DASH	3
26	355500	TAG, SERIAL NO. FINISHED	1
27	204510	NAIL, 1/4 INCH GRIP	4

- = Not Illustrated

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CPS DYNAMICS, LLC

PO Box 9007
Wichita, KS 67205
316-519-0366
www.cpsdynamics.com



Art's-Way Manufacturing Co., Inc.
Hwy 9 West – PO Box 288
Armstrong, IA. 50515 U.S.A