



Art's-Way Manufacturing Co., Inc.

CATTLE MAXX

Model 6520 Grinder Mixer

Illustrated Parts List

585970

Issued 03-2012



*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 ABOUT 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 6520 CattleMaxx 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 6520 CattleMaxx 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 6520 CattleMaxx Grinder Mixer.

Even if you are an experienced operator of this or similar equipment, we ask that you **read this manual before operating the 6520 CattleMaxx 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 6520 CattleMaxx Grinder Mixer may affect the performance, function, and safety of its operation. Therefore, no modifications 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 6520 CattleMaxx 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 6520 CattleMaxx 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 6520 CattleMaxx Grinder Mixer only. Any mention of other machinery in this manual other than the 6520 CattleMaxx 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 6520 CattleMaxx Grinder Mixer.

PARTS & SERVICE

As the purchaser of your new 6520 CattleMaxx 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 6520 CattleMaxx 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.: _____

6520 CattleMaxx Grinder Mixer Serial Number Location

The placard containing the serial and model number is located on the front left-hand side of the 6520 CattleMaxx Grinder Mixer. Enter the serial and model number of your 6520 CattleMaxx Grinder Mixer within



Figure 1 - Serial Number Placard.



Figure 2 - Serial Number Placard Location.

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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 3.) 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 6520 CattleMaxx 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 Grinder Mixer are detailed in the 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. Electrocution 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 CATALOG

- The figure item corresponds to the number shown in the 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 Qty column is per grinder/mixer 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.

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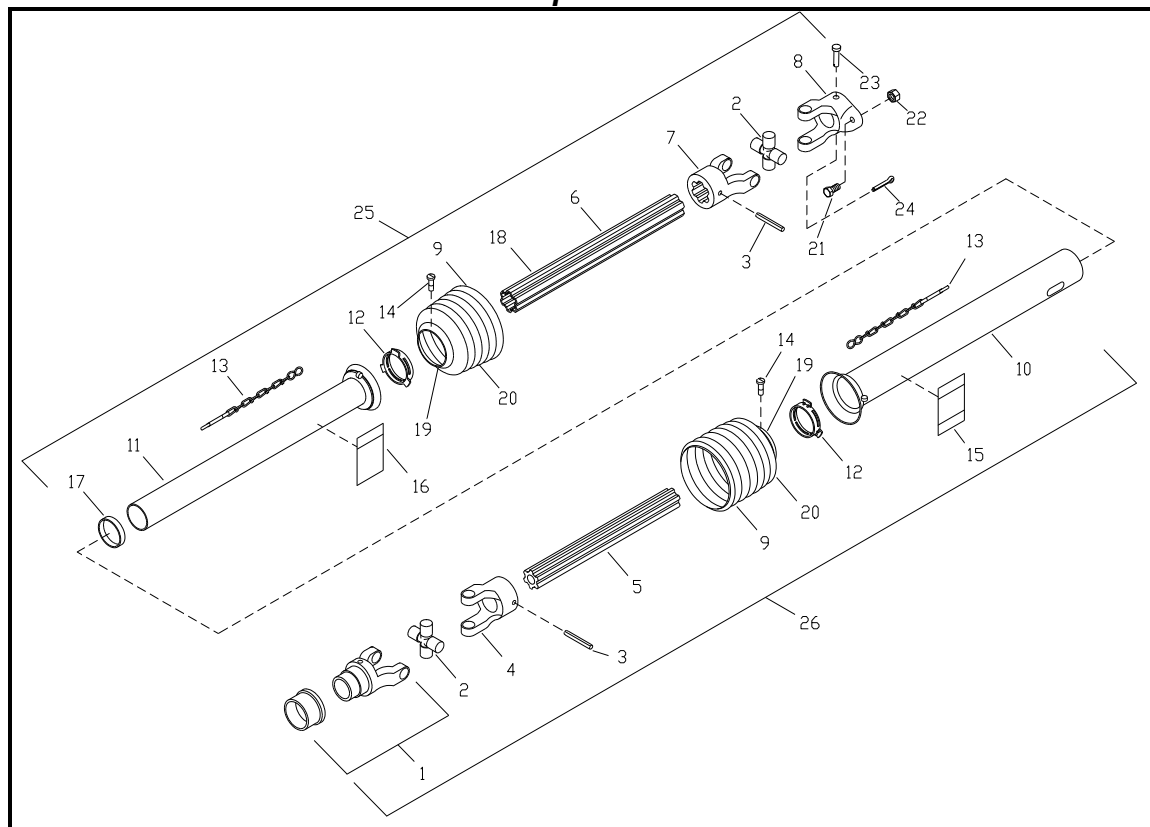
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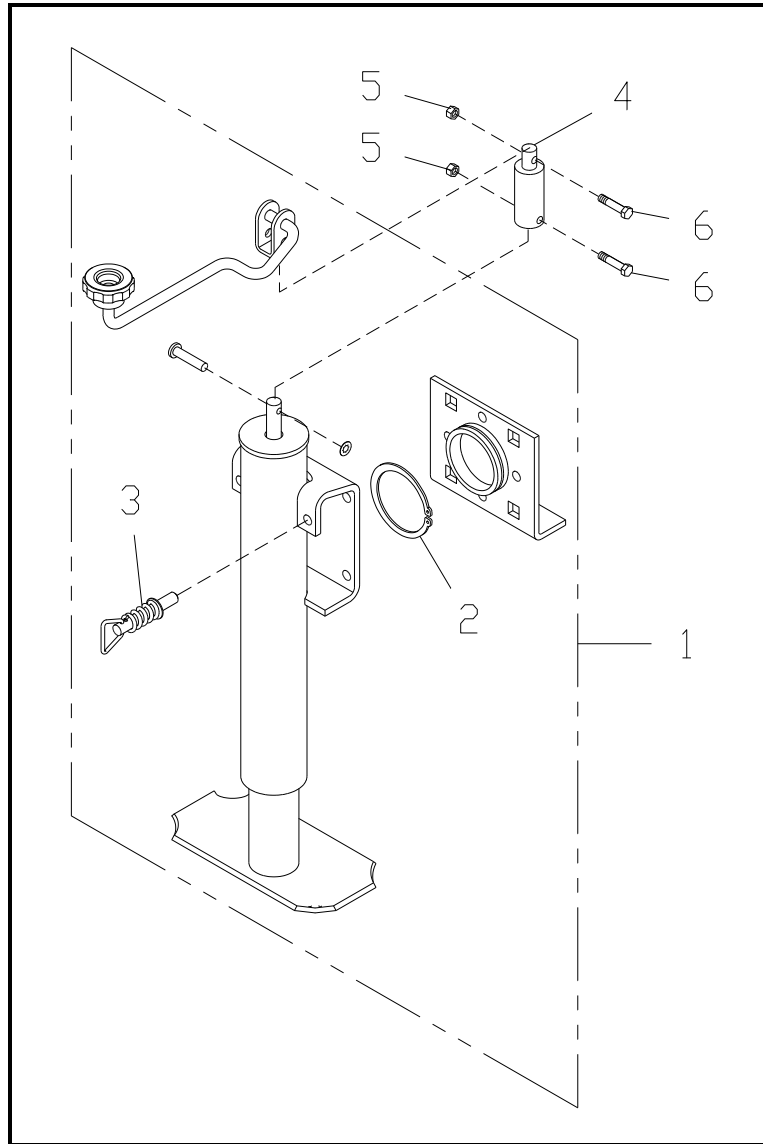
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IMPLEMENT DRIVELINE ASSEMBLY 540 RPM**1-3/8" 6 Spline – 380690**

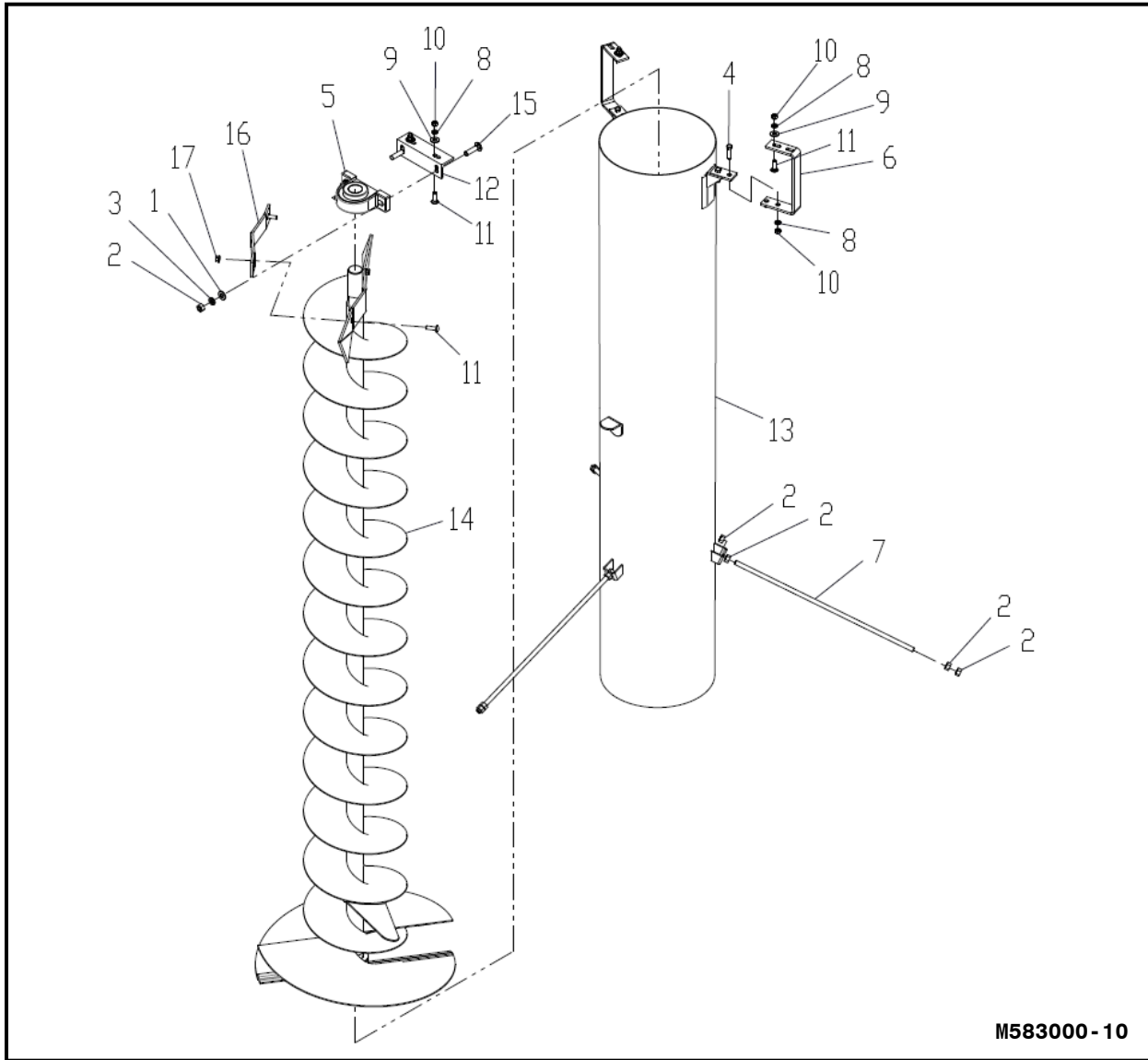
Item	Part Number	Qty.	Description
1	340130	1	Yoke, 1-3/8 – 6 SPL AS
2	182230	2	Kit, Cross & Bearing
3	196740	2	Pin, Spring 10 x 90
4	196730	1	Yoke, Inboard
5	355700	1	Shaft, Inner Profile
6	355710	1	Tube, Outer Profile
7	196770	1	Yoke, Inboard
8	379840	1	Yoke, 1-5/8" R8, 3/8 K-Way
9	340140	1	Shield, Cone 7 Rib
10	383190	1	Tube, Outer Shield
11	355730	1	Tube, Inner Shield
12	182900	2	Ring, SC 24 Bearing
13	182890	2	Chain, Safety
14	345980	2	Screw, Shield (In Item 9)
15	340170	1	Decal, Danger Rotating Drive Line
16	340180	1	Decal
17	340190	1	Support Bearing
18	196890	1	Zerk, 3/16 Drive Grease (In Item 6)
19	349250	2	Reinforced Collar
20	340210	1	Kit, Slide Collar
21	029930	1	Bolt, HHCS 3/8-16 x 2-1/4 Gr5 Zn
22	E552044	1	Nut, Lock 3/8-16 Zn
23	036480	1	Pin, Clevis
24	020700	1	Pin, Cotter
25	383180	1	PTO, Implement Half 1-5/8"
26	383170	1	PTO, Tractor Half 1-3/8" 6-Spline

JACK ASSEMBLY 151 DS COMPLETE - 040440

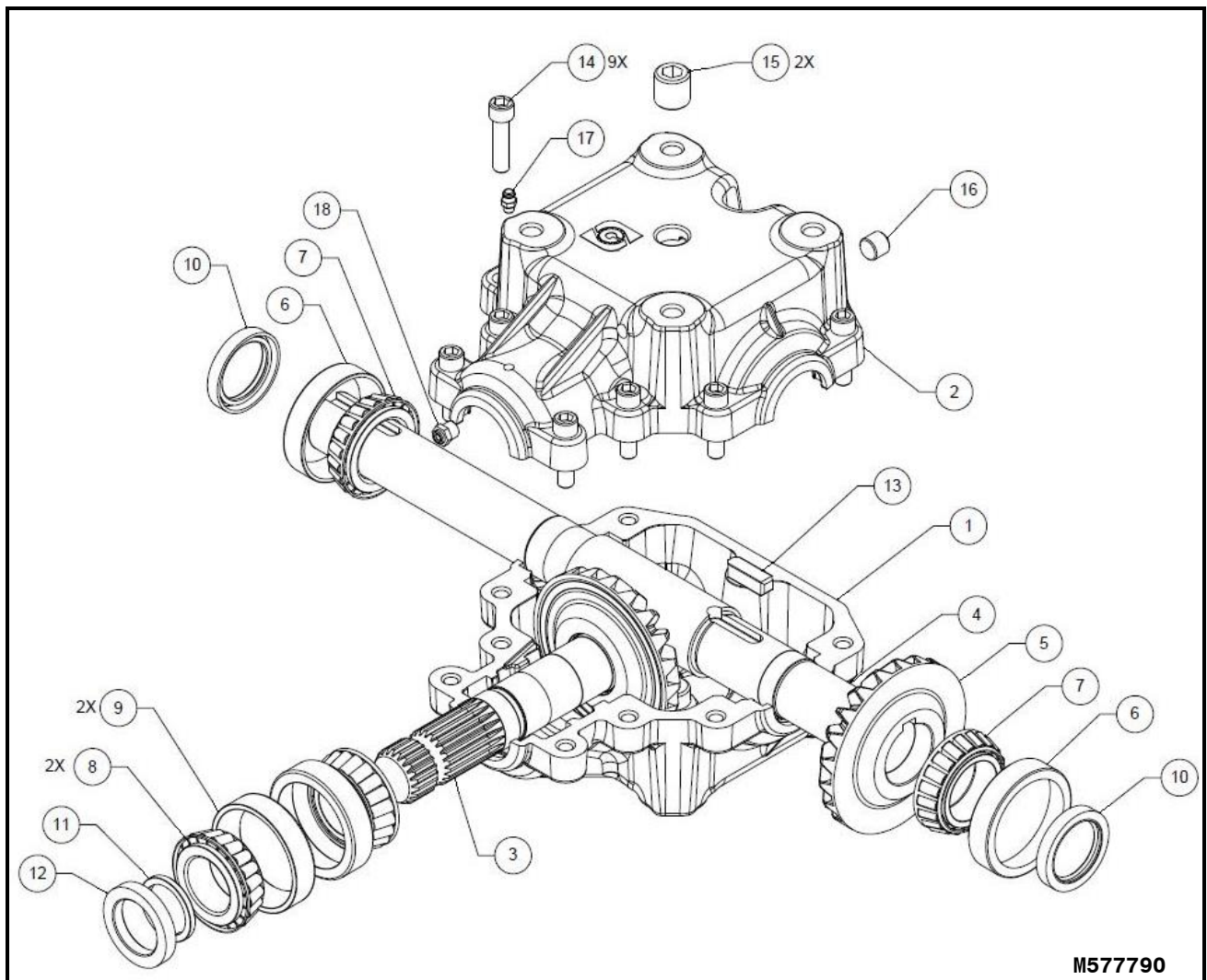
Item	Part Number	Qty.	Description
1	040440	1	Jack Assy, Complete
2	040290	1	Ring, Retaining, 5100-250
3	151650	1	Plunger Assembly
4	389180	1	Shaft, Crank
5	042370	2	Nut, Lock 1/4-20 hex
6	047000	2	Bolt, HHCS 1/4-20 x 1-1/2

TANK ASSEMBLY 6520 GRINDER MIXER

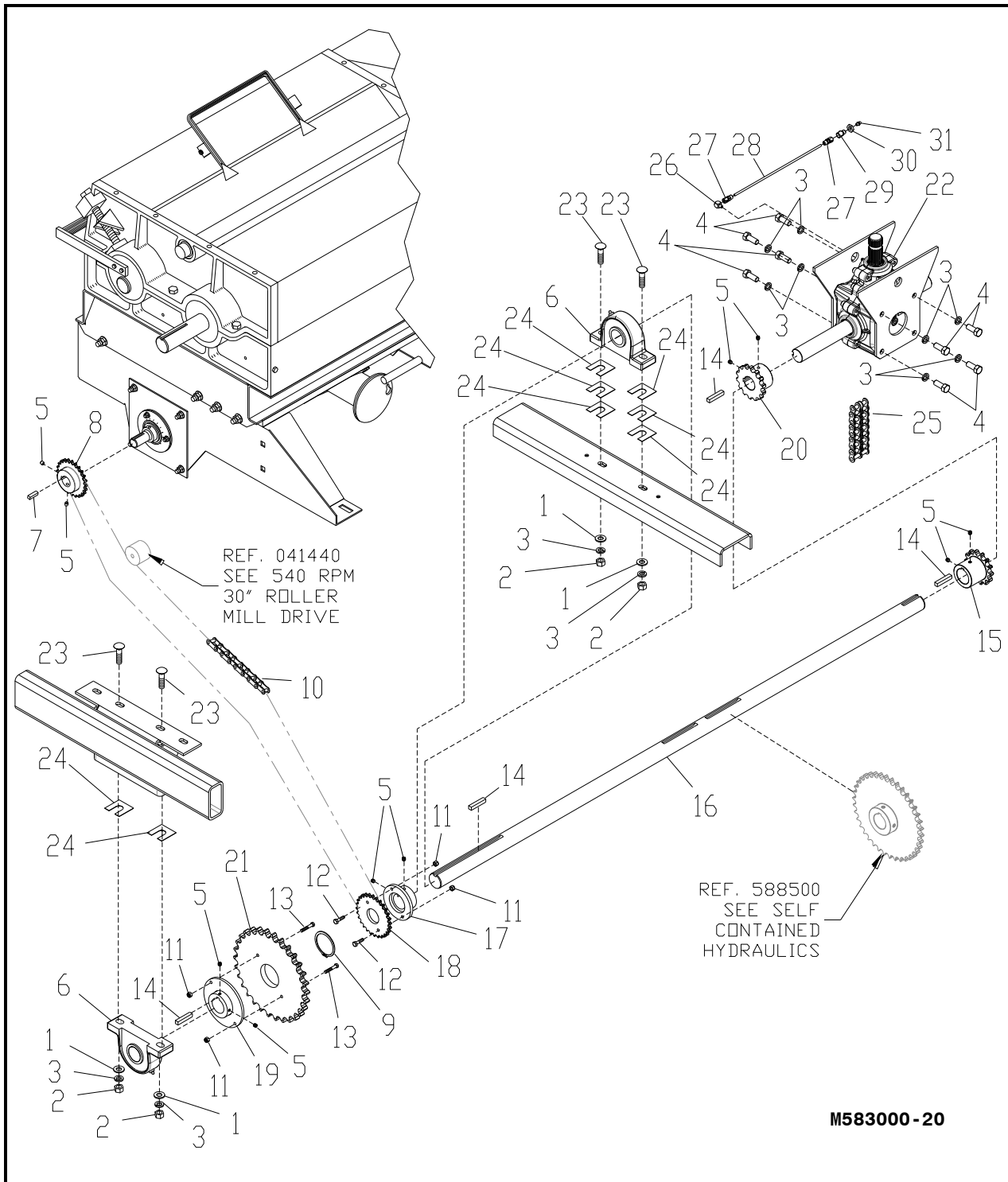
Item	Part Number	Qty.	Description
1	005370	10	Washer, Lock 1/2 ZN
2	009790	8	Nut, Wing 5/16-18 Type A ZN
3	009800	2	Bolt, HHCS 5/16-18 x 2-1/2
4	012020	3	Rubber, Window
5	012050	3	Glass, 4.5 x 12.0
6	012260	20	Bolt, HHCS 3/8-16 x 1 GR5 ZN
7	013080	2	Spring, Comp
8	014770	1	Bolt, HHCS 1/2-13 x 1-1/2 GR5 ZN
9	020180	5	Nut, Lock 3/8-16 GR5 ZN Hex FLG
10	021180	22	Washer, Lock 3/8 ZN
11	021210	1	Pin, Cotter 3/32 x 1
12	022920	15	Washer, Flat 5/16 STD
13	022930	2	Bracket, Lid
14	023620	2	Washer, Lock 5/16 ZN
15	023630	2	Nut, Hex 5/16-18 GR5 ZN
16	035661	1	Lid & Hinge
17	036090	2	Door, Cleanout
18	037540	1	Nut, Lock 1/2-13 GR5 ZN Nylon
19	156970	1	Pin, 5/16 Dia.
20	164020	1	Seal, Tank Lid
21	170530	2	Bolt, CRG 3/8-16 x 1 SSN GR5 ZN
22	363990	1	Cover WLDT
23	365180	1	Bracket, Long
24	379470	1	Holder, PTO
25	449190	1	Tube, Manual Holder
26	455160	1	Clamp, Hose
27	458080	1	Bracket, Tube
28	529170	1	Ladder WLDT
29	575940	6	Clip, Mix Tank
30	583630	2	Channel, Cover Side
31	584800	1	Frame Assy, 6520 GM
32	J03H1558	1	Bolt, Crg 3/8-16 x 1-1/2
33	020190	6	Nut, Lock 5/16-18 GR5 ZN Hex FLG
34	012140	6	Bolt, HHCS 5/16-18 X 3/4 GR5 ZN
35	025670	6	Nut, Hex 5/16-18-D-N

MIXING AUGER ASSEMBLY 6520 GRINDER MIXER

Item	Part Number	Qty.	Description
1	005200	2	Washer, Flat 1/2 Std
2	005360	14	Nut, Hex 1/2-13 GR5, ZN
3	005370	2	Washer, Lock 1/2
4	011370	4	Bolt, HHCS 3/8-16 x 1-1/2
5	013960	1	Bearing, PB 1-5/8 CI HSG W/LC
6	018680	2	Support, Main
7	021020	3	Rod, Mix Auger
8	021180	8	Washer, Lock 3/8 ZN
9	021190	4	Washer, Flat 3/8 STD 7/16 x 1 x 5/64 ZN+
10	027260	8	Nut, Hex 3/8-16 GR5 ZN
11	035180	6	Bolt, CRG 3/8-16 x 1-1/4 SSN Gr5 ZN
12	516090	1	Hanger, Bearing
13	516100	1	Tube, Mixing Auger 165 BU
14	577740	1	Auger WLDT, Superior GB 165 Bu Mixing
15	991200	2	Bolt, CRG 1/2-13 x 2 Gr5 ZN
16	035651	1	Paddle, Mixing
17	020180	2	Nut, Lock 3/8-16 Gr5 ZN Hex FLG

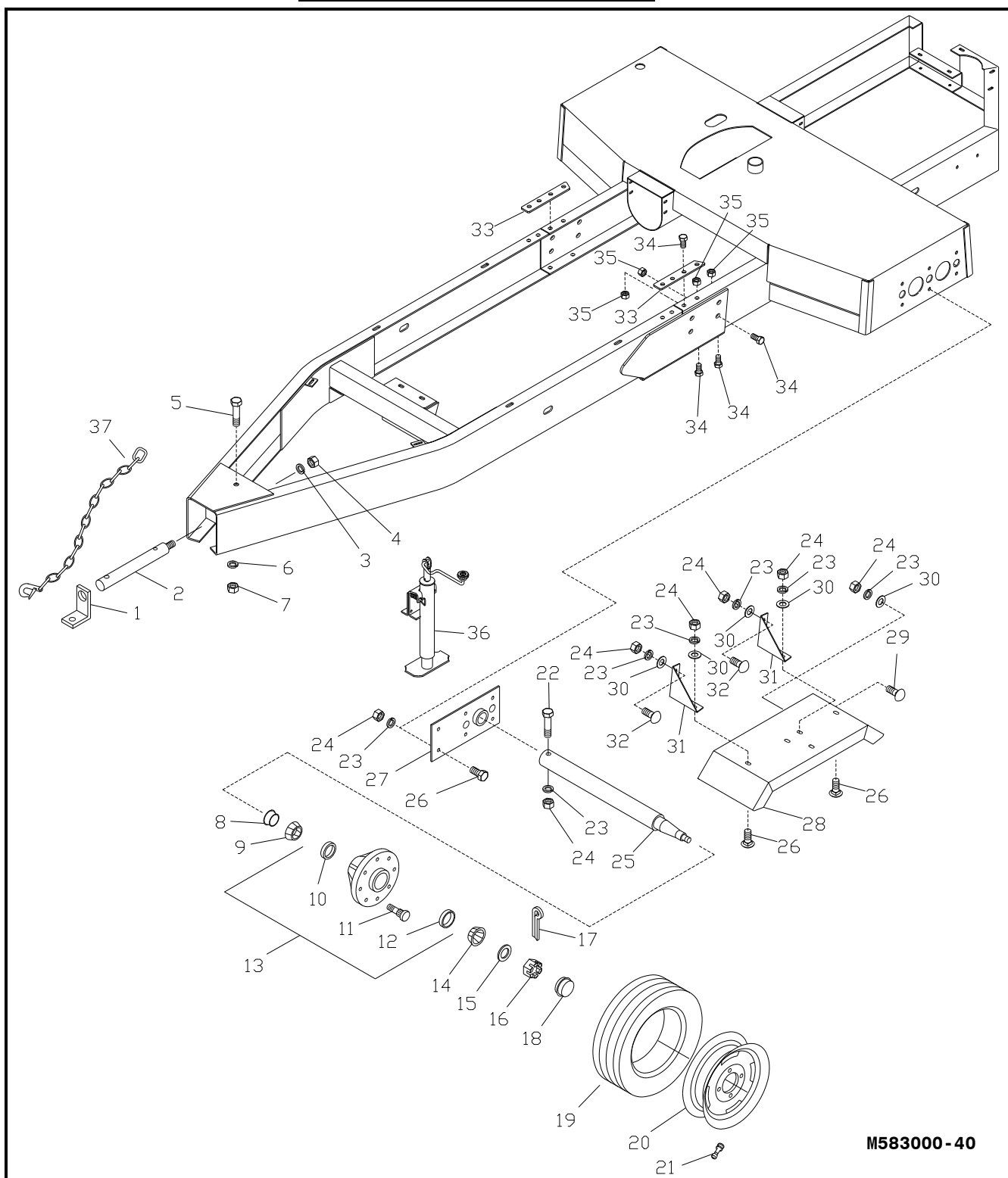
GEARBOX ASSEMBLY, 6520 GRINDER MIXER - 577790

Item	Part Number	Qty.	Description
1	586180	1	Gearbox, R500-003M-A0536 Housing 1/2
2	586190	1	Gearbox, R500-004M-B0559 Housing 1/2
3	586200	1	Gearbox, R500-8B00-K0280 Shaft & Gear
4	586210	1	Gearbox, R500-1120-K0265 Cross Shaft
5	586220	1	Gear, 1:1 1.50 Key 51121
6	MP905502	2	Bearing Cup - 2.71700D #13620
7	MP904026	2	Bearing Cone - 1.5000ID #13687
8	MP901102	2	Bearing Cone - 1.3750ID #14137A
9	MP901713	2	Bearing Cup - 2.71800D #14276
10	586160	2	514846 SEAL, 1.500-2.00 .313
11	U50200005	1	Ring, Retaining
12	U51400006	1	Seal, Shaft TC - 1.375 x 2.00 x .313
13	586170	1	400201 Key Sq, 3/8 x 1.20
14	MP906310	9	Screw - 3/8 x 1-1/2 SK THD
15	MP903096	2	Plug - Pipe 1/2-14 NPT SCHD
16	MP901169	1	Plug - Drain 1/4 NPT
17	I21987	1	Zerk, 1/4-28 Taper Drive Thread Straight
18	247820	1	Pressure Relief 2003PR
19	963130	1 GA.	Oil, 80/90 W GL-1 Straight Gear Oil

DRIVE & GEARBOX ASSEMBLY, LOWER

DRIVE & GEARBOX ASSEMBLY, LOWER

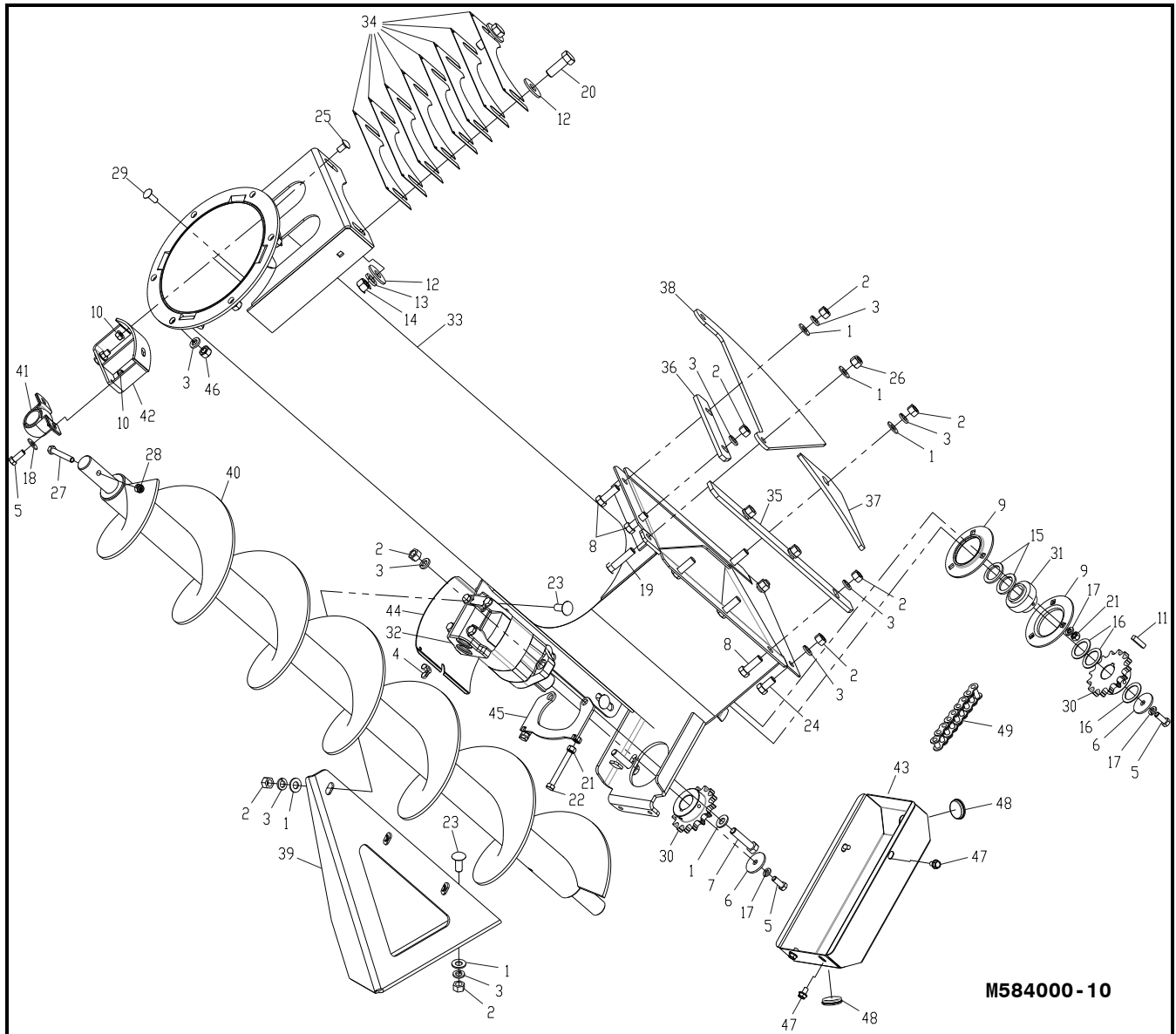
Item	Part Number	Qty.	Description
1	005200	6	Washer, Flat 1/2 STD
2	005360	6	Nut, Hex 1/2-13
3	005370	14	Washer, Lock 1/2 ZN
4	010730	8	Bolt, HHCS 1/2-13 x 1-1/4 GR5 ZN
5	010990	8	Screw, HSSS 5/16-18 x 5/16 KNRD CpPt BLO
6	013960	2	Bearing, PB 1-5/8 W/LC
7	020760	1	Key, Parallel
8	021860	1	Sprocket, 40B24
9	040290	1	Ring, Retaining
10	214150	1	Chain, Roller RC2040 x 33-Pitches
11	042370	4	Nylon Insert Locknut, 1/4-20 UNC
12	042960	2	Bolt, HHCS 1/4-20 x 1
13	047000	2	Bolt, HHCS 1/4-20 x 1-1/2 GR5 ZN
14	021530	4	Key, SQ. 3/8 x 2
15	461150	1	Sprocket, 60B14 Coupler
16	461870	1	Shaft, Mixer Drive
17	461880	1	Sprocket, 40A28
18	461890	1	Hub Wldt, Shear 1.625 Bore w/3/8 Keyway
19	469750	1	Hub Wldt, Shear 1.625 Bore w/3/8 Keyway
20	529110	1	Sprocket, 60B14 1.44 ID, .38KW & SS
21	529200	1	Sprocket, D60A36
22	577790	1	Gearbox, Superior
23	991200	4	Bolt, CRG 1/2-13 x 2 x 2-N
24	I486454R1	AR	Shim, .030 Blade
25	163770	1	Chain, Coupler RC60-2 x 14-Pitches
26	585890	1	Adapter, 90 Deg.
27	MP16.21123	2	Connector, Male 3/16
28	MP16.21125	1	Tubing – Copper, Refrig. 3/16 OD
29	244280	1	Connector, Bulkhead
30	244290	1	Nut, Lock 1/8-NPSM
31	049180	1	Fitting, 1/4-28 STR ZN

SPINDLE, HITCH, & HUB ASSEMBLY

See Page 50 for Weighbar Parts.

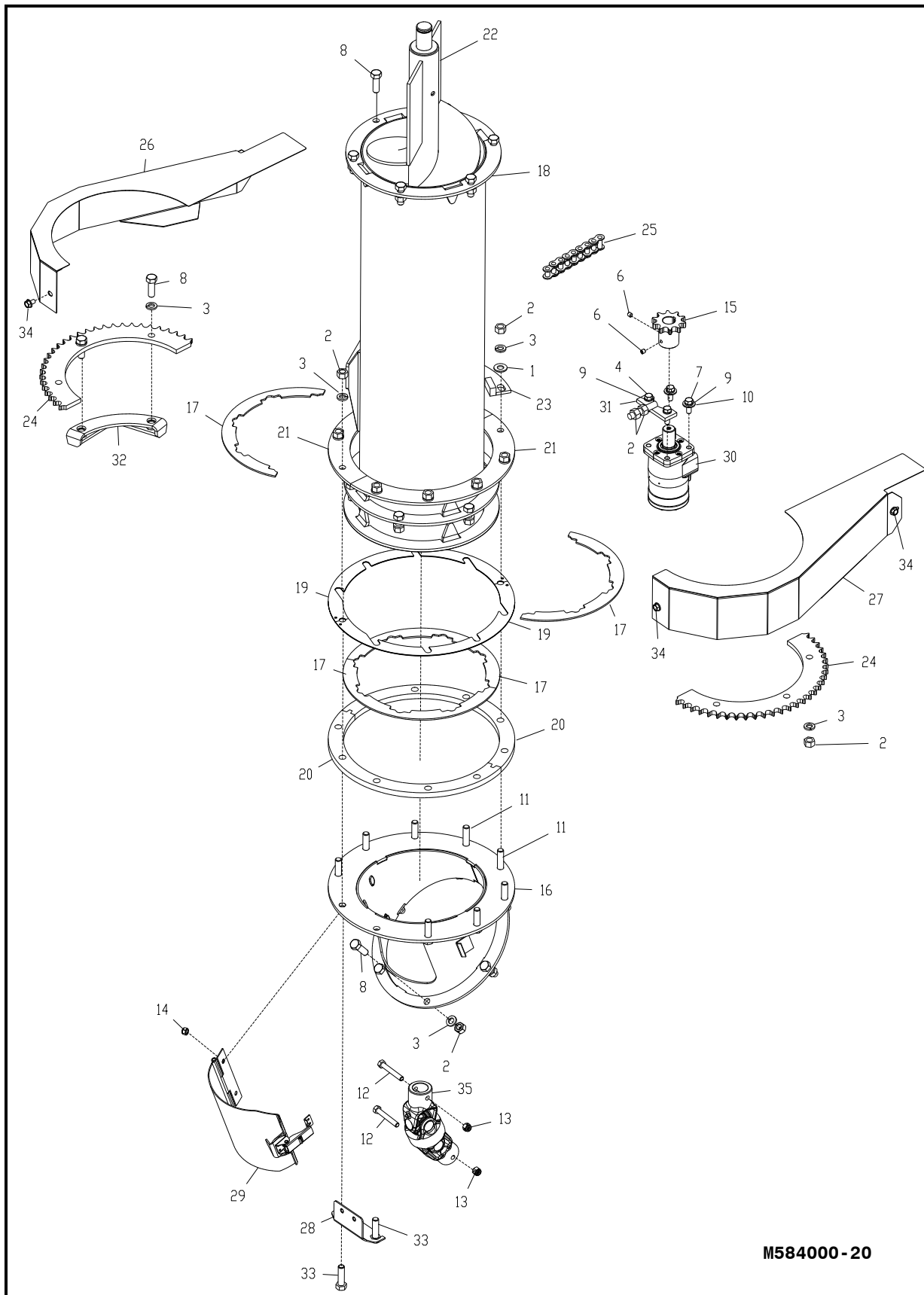
SPINDLE, HITCH, & HUB ASSEMBLY

Item	Part Number	Qty.	Description
1	036740	1	Clevis, 1-7/8 Hitch
2	124780	1	Bar, Hitch (See Page 50 for Weighbars)
3	003350	1	Washer, Lock 1"
4	147310	1	Nut, Hex 1"
5	990960	1	Bolt, HHCS 3/4 x 4.50 GR5 ZN
6	036800	1	Washer, Lock 3/4
7	036750	1	Nut, Hex 3/4
8	121130	2	Seal, 2.12 x 3.06 x .50
9	042310	2	Cone, Brg. 1.78 ID
10	042320	2	Cup, Bearing
11	042440	16	Bolt, Wheel 9/16-18 x 7/8 x 1-1/8
12	018860	2	Cup, Bearing
13	042330	2	Hub Assembly
14	012630	2	Cone, Bearing 1.25
15	020720	2	Washer, Flat .81 x 1.75 x .179
16	020710	2	Nut, Slotted Hex 3/4
17	026630	2	Pin, Cotter 5/32 x 1-1/2
18	035420	2	Cap, Hub 2.50"
19	050230	2	Tire, 13.5 x 16.1
20	042264	2	Wheel, 11 x 16.1 8-Bolt Gold
21	164420	2	Valve Stem, W/Core & Cap
22	030420	2	Bolt, HHCS 1/2 x 4-1/2 GR5 ZN
23	005370	26	Washer, Lock 1/2
24	005360	26	Nut, Hex 1/2
25	042270	2	Spindle, 2.12x31.31(See Page 50 for Weighbars)
26	010730	24	Bolt, HHCS 1/2 x 1-1/4 GR5 ZN
27	363940	2	Bracket, Mounting
28	584070	2	Fender
29	005390	4	Bolt, CRG. 1/2 x 1.0 GR5 ZN
30	005200	8	Washer, Flat .56 x 1.38 x .109
31	159160	4	Support, Fender
32	030470	4	Bolt, CRG. 1/2 x 1-1/4 GR5 ZN
33	555390	2	Strap, Top
34	990610	18	Bolt, HHCS 5/8-11 x 1-1/2
35	I19508R1	20	Nut, Lock 5/8-11
36	040440	1	Jack Assembly (See page 15)
37	1765302	1	Chain, Safety 5/16 x 5'

DISCHARGE ASSEMBLY, LOWER

DISCHARGE ASSEMBLY, LOWER

Item	Part Number	Qty.	Description
1	005200	11	Washer, Flat 1/2 STD
2	005360	15	Nut, Hex 1/2-13
3	005370	21	Washer, lock 1/2 ZN
4	009790	2	Nut, Wing 5/16-18 Type A ZN
5	012260	4	Bolt, HHCS 3/8-16 x 1.00 GR5 ZN
6	012270	2	Washer, Flat
7	013790	2	Bolt, HHCS 1/2-13 x 2-1/4 GR5 ZN
8	014770	6	Bolt, HHCS 1/2-13 x 1-1/2 GR5 ZN
9	019150	2	Flangette, 1-1/8 Bearing.
10	020180	4	Nut, Lock 3/8-16 GR5 ZN Hex Flange
11	020220	1	Key, Square 5/16 x 1-1/4
12	020430	4	Washer, Flat 5/8 STD
13	020440	2	Washer, Lock 5/8
14	020450	2	Nut, Hex 5/8-11
15	020880	2	Washer, Flat 1-1/4 x 1-3/4 x 10Ga.
16	020910	3	Washer, Flat 1-1/4 x 1-3/4 x 1/16
17	021180	5	Washer, Lock 3/8 ZN
18	021190	2	Washer, Flat 3/8 STD 7/16 x 1 x 5/64 ZN
19	023950	1	Bolt, HHCS 1/2-13 x 2 GR5 ZN
20	025100	1	Bolt, HHCS 5/8-11 x 1-3/4
21	027260	5	Nut, Hex 3/8-16 GR5 ZN
22	029930	2	Bolt, HHCS 3/8-16 x 2-1/4
23	030470	5	Bolt, Crg 1/2-13 x 1-1/4 SSN GR5 ZN
24	031080	2	Bolt, HHCS 1/2-13 x 1 GR5 ZN
25	032840	2	Bolt, Crg 3/8-16 x 3/4 SSN GR5 ZN
26	037540	1	Nut, Lock 1/2-13 GR5 ZN Nylon
27	037630	1	Bolt, HHCS 3/8-16 x 2-1/2
28	073630	1	Nut, Lock 3/8-16
29	170530	3	Bolt, Crg 3/8-16 x 1 SSN GR5 ZN
30	260070	2	Sprocket, 60B15
31	461780	1	Bearing Assembly
32	576240	1	Motor, Hyd 9.6 CID (See Page 46)
33	582200	1	Tube Wldt, Diagonal
34	582650	AR	Shim, .030 Discharge
35	582760	1	Spacer, RH Gate
36	582770	1	Spacer, Upper Gate
37	582780	1	Spacer, Lower Gate
38	582790	1	Blade, Gate 10"
39	582810	1	Bracket, Lower
40	582880	1	Auger WLDT, Diagonal
41	583020	1	Bearing, 1.25 Split
42	583030	1	Bracket Wldt
43	583130	1	Shield, Discharge
44	584050	1	Door, Cleanout 10"
45	584860	1	Bracket Wldt, Motor
46	I102637	6	Nut, Hex PL 1/2-13
47	JN71292	4	Screw, Flg 5/16-18 x 1/2 GR5 ZN Hex
48	SD205165	2	Plug, 1-3/8 x .35
49	583640	1	Chain, Roller RC60 x 79 Pitch

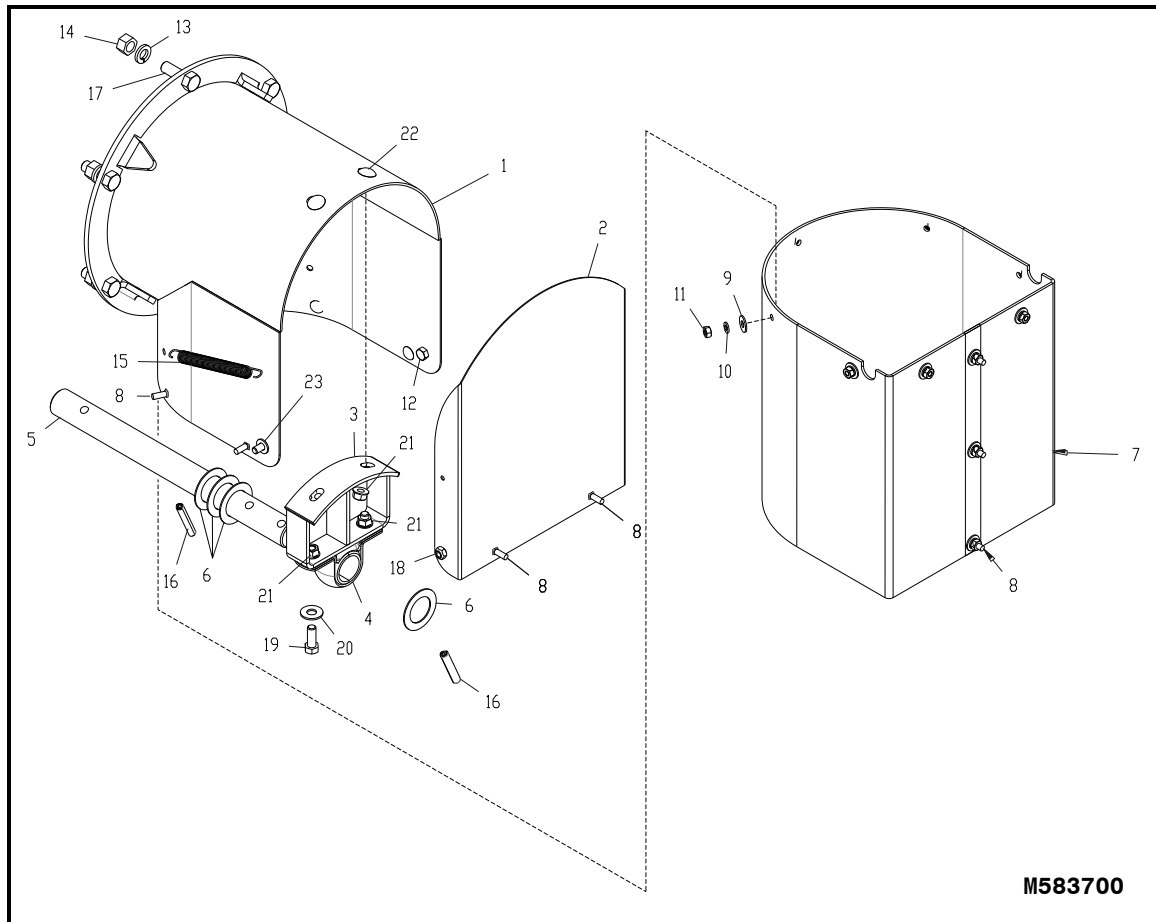
DISCHARGE ASSEMBLY, MIDDLE**M584000-20**

DISCHARGE ASSEMBLY, MIDDLE

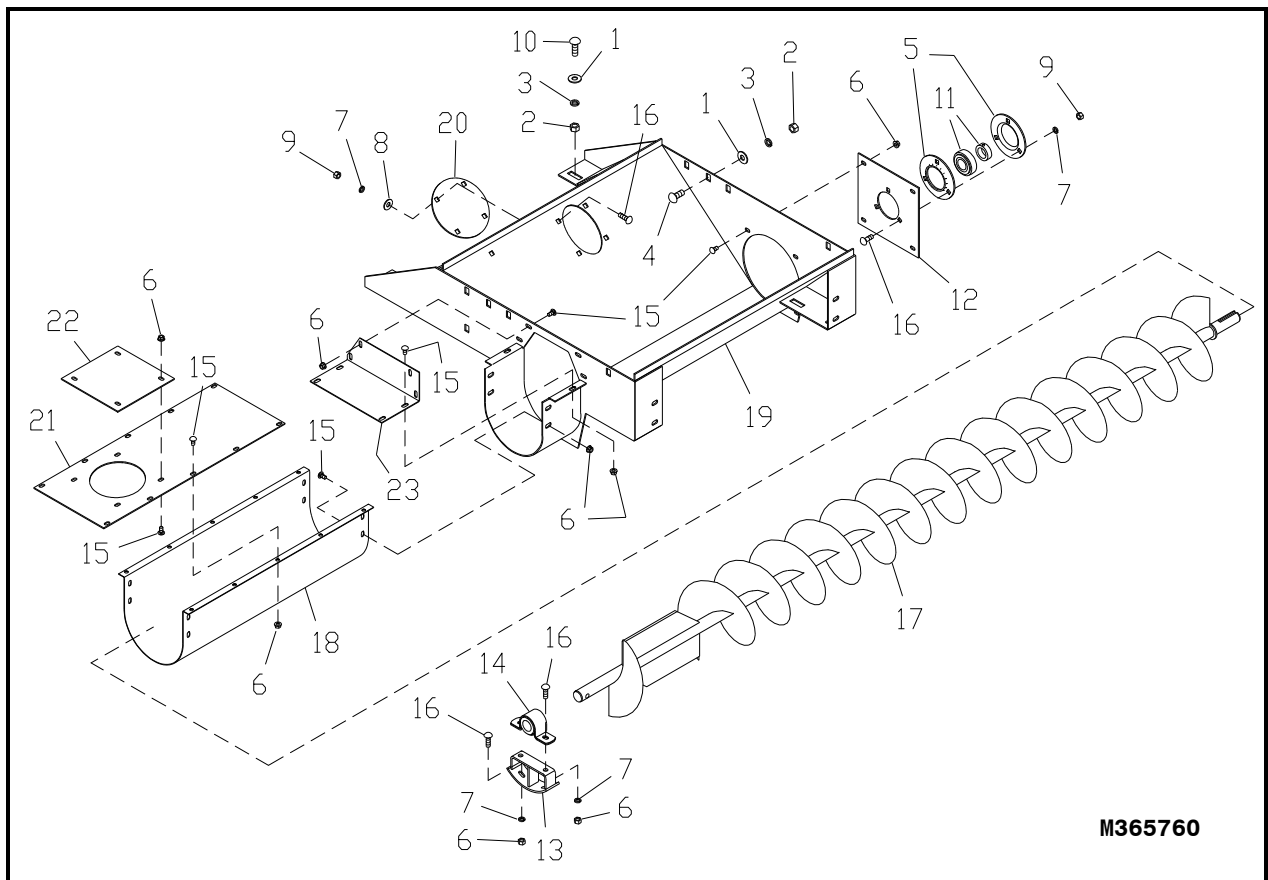
Item	Part Number	Qty.	Description
1	005200	2	Washer, Flat 1/2 STD ZN
2	005360	28	Nut, Hex 1/2-13
3	005370	28	Washer, Lock 1/2 ZN
4	006690	2	Bolt, HHCS 3/8-16 x 1-1/4 GR5 ZN
5	010730	4	Bolt, HHCS 1/2-13 x 1-1/4 GR5 ZN
6	010990	2	Screw, HSSS 5/16-18 x 5/16
7	012260	2	Bolt, HHCS 3/8-16 x 1 GR5 ZN
8	014770	11	Bolt, HHCS 1/2-13 x 1-1/2 GR5 ZN
9	021180	4	Washer, Lock 3/8 ZN
10	021190	2	Washer, Flat 3/8 STD ZN
11	023950	2	Bolt, HHCS 1/2-13 x 2 GR5 ZN
12	037630	2	Bolt, HHCS 3/8-16 x 2-1/2 Gr5 Zn
13	073630	2	Nut, Lock 3/8-16
14	181570	2	Nylon Insert Locknut, 5/16-18
15	458500	1	Sprocket, 60B10 1" Dia.
16	582300	1	Transition Wldt, 10" Discharge
17	582320	4	Washer, Half UHMW
18	582600	1	Tube Wldt, Vertical
19	582670	4	Ring, Half, Shim
20	582680	2	Ring, Half, Spacer
21	582690	2	Ring, Half, Clamping
22	582900	1	Auger Wldt, Vertical
23	583210	1	Stop Wldt, Lower
24	583620	2	Sprocket, Half 60A58
25	583640	1	Chain, Roller RC60 x 36 Pitch +1 Conn
26	584450	1	Shield Wldt, LH Discharge Pivot
27	584460	1	Shield Wldt, RH Discharge Pivot
28	584500	1	Bracket Wldt, Shield
29	584930	1	Door Wldt, Transition
30	586440	1	Motor, Hyd. 20 CI Displ. -10 SAE O-Ring (See Page 46)
31	586800	1	Tensioner Wldt, Hyd. Motor
32	587010	1	Stop Wldt, Upper Discharge Pivot
33	1770500	8	Bolt, 1/2-13 x 1-3/4 GR5 ZN
34	JN71292	4	Screw, Flg 5/16-18 x 1/2 GR5 ZN Hex
35	SD200294	1	U-Joint, CV 1-1/4 Bore 6 RW 50°

DISCHARGE ASSEMBLY, UPPER

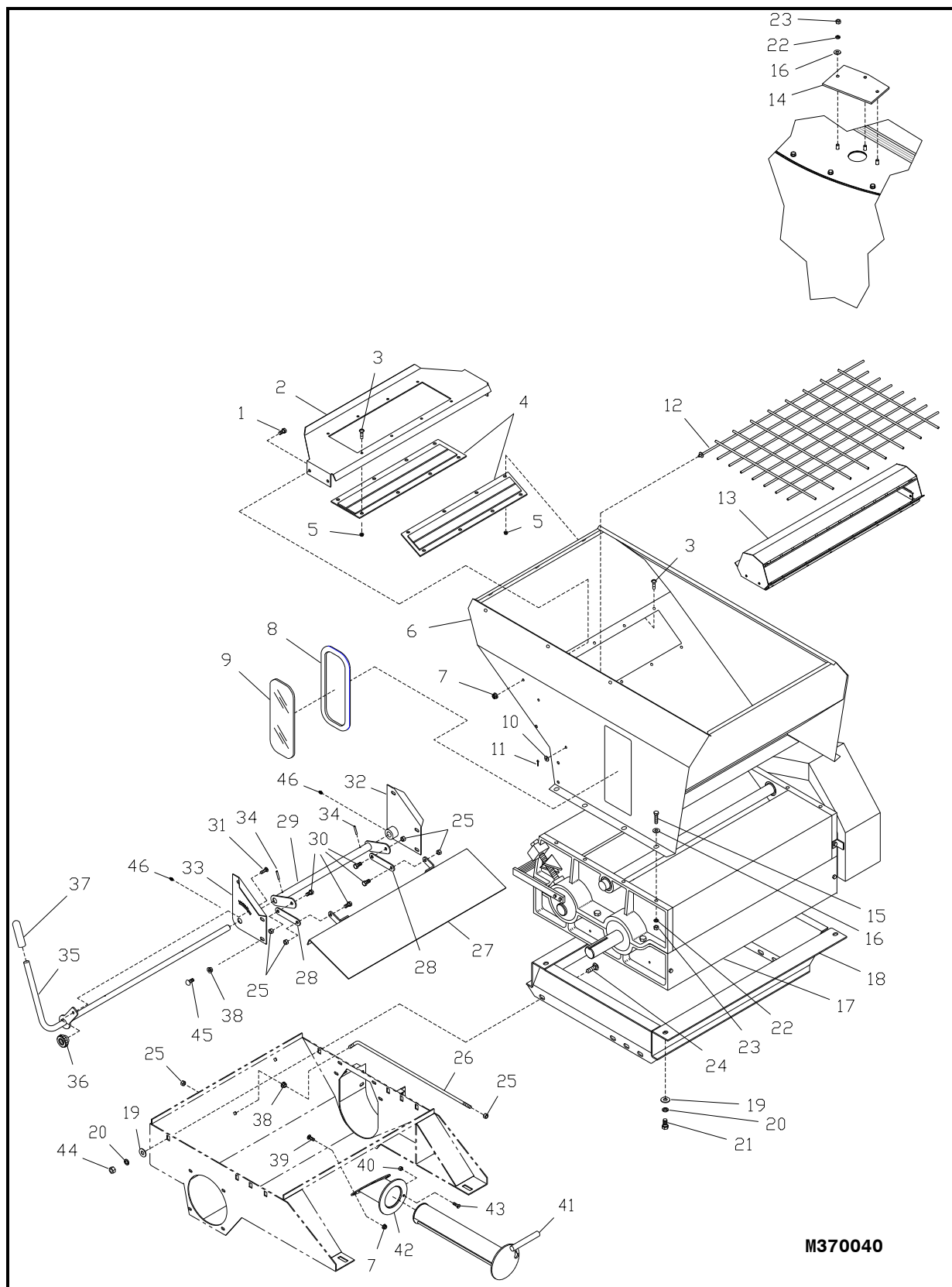
Item	Part Number	Qty.	Description
1	005200	2	Washer, Flat 1/2 STD
2	005360	24	Nut, Hex 1/2-13
3	005370	24	Washer, lock 1/2 ZN
4	005390	1	Bolt, Crg 1/2-13 x 1 SSN GR5 ZN
5	009790	4	Nut, Wing 5/16-18 Type A ZN
6	012260	2	Bolt, HHCS 3/8-16 x 1.00 GR5 ZN
7	012270	2	Washer, Flat
8	013790	2	Bolt, HHCS 1/2-13 x 2-1/4 GR5 ZN
9	014770	11	Bolt, HHCS 1/2-13 x 1-1/2 GR5 ZN
10	019150	4	Flangette, 1-1/8 Bearing
11	020220	1	Key, Square 5/16 x 1-1/4
12	020430	4	Washer, Flat 5/8 STD
13	020440	4	Washer, Lock 5/8
14	020450	4	Nut, Hex 5/8-11
15	020880	2	Washer, Flat 1-1/4 x 1-3/4 x 10 Ga.
16	020910	3	Washer, Flat 1-1/4 x 1-3/4 x 1/16
17	021180	12	Washer, Lock 3/8 ZN
18	023950	10	Bolt, HHCS 1/2-13 x 2 GR5 ZN
19	027260	12	Nut, Hex 3/8-16 GR5 ZN
20	029930	2	Bolt, HHCS 3/8-16 x 2-1/4 Zn Gr5
21	035200	1	Ring, Snap
22	073630	1	Nut, Lock 3/8-16
23	170530	6	Bolt, Crg 3/8-16 x 1 SSN GR5 ZN
24	260070	2	Sprocket, 60B15
25	461780	2	Bearing Assembly
26	576240	1	Motor, Hyd 9.6 CID (See Page 46)
27	582320	4	Washer, Half UHMW
28	582490	1	Elbow WLDT, Head
29	582500	1	Elbow WLDT
30	582670	4	Ring, Half, Shim
31	582680	2	Ring, Half, Spacer
32	582690	2	Ring, Half, Clamping
33	582700	1	Tube WLDT, Discharge
34	582800	1	Cylinder, Hyd 3 x 16
35	582830	1	Bar WLDT, Upper
36	582920	1	Auger WLDT, Discharge
37	583130	1	Shield, Discharge
38	583140	1	Upper Pivot
39	583340	1	Ring, Ext 1.25 HD Snap
40	583700	1	Hood Assy, 10" (See Next Page)
41	584020	1	Saddle WLDT, 10"
-	585810	-	Cushion, Rubber (Qty. 2 in 584020)
-	962040	-	Adhesive, 5 oz. Tube Rubber (in 584020)
42	584050	2	Door, Cleanout 10"
43	584860	1	Bracket WLDT, Motor
44	990820	1	Bolt, HHCS 3/8-16 x 3 GR5 ZN
45	JN71292	4	Screw, Flg 5/16-18 x 1/2 GR5 ZN Hex
46	SD205165	2	Plug, 1-3/8 x .35
47	I49581203	1	Washer, Flat
48	287880	4	Bolt, Crg 5/8-11 x 2 SSN Gr5 Zn
49	583640	1	Chain, Roller RC60 x 79 Pitch +1 Conn

10" HOOD ASSEMBLY - 583700

Item	Part Number	Qty.	Description
1	583710	1	Hood Wldt, 10"
2	583740	1	Door, 10" Hood
3	583030	1	Bracket Wldt, Bearing
4	583020	1	Bearing, 1-1/4 Split Wood
5	583690	1	Shaft, Coupler
6	I608700R1	4	Washer, Flat 1.28 x 2.00 x .054
7	583750	1	Flap, rubber Spout
8	E096029	10	Bolt, Crg 1/4-20 x 3/4 Gr5 Zn
9	023260	10	Washer, Flat 1/4 Std
10	029440	10	Washer, Lock 1/4 SAE
11	027660	10	Nut, Hex 1/4-20 Gr5 Zn
12	006880	2	Bolt, HHCS 5/16-18 x 5/8 Gr5 Zn
13	005370	6	Washer, Lock 1/2 Zn
14	005360	6	Nut, Hex 1/2-13 Zn
15	100750	2	Spring, Extension
16	I43812432	2	Pin, .375 x 2 Slit Spring Hvy Zn
17	014770	5	Bolt, HHCS 1/2-13 x 1-1/2 Gr5 Zn
18	025670	2	Nut, Lock 5/16-18 Hex Flg Zn
19	012260	2	Bolt, HHCS 3/8-16 x 1 Gr5 Zn
20	021190	2	Washer, Flat 3/8 Std
21	020180	4	Nut, Lock 3/8-16 Hex Flg Gr5 Zn
22	032840	2	Bolt, Crg 3/8-16 x 3/4 SSN Gr5 Zn
23	022920	2	Washer, Flat 5/16 Std

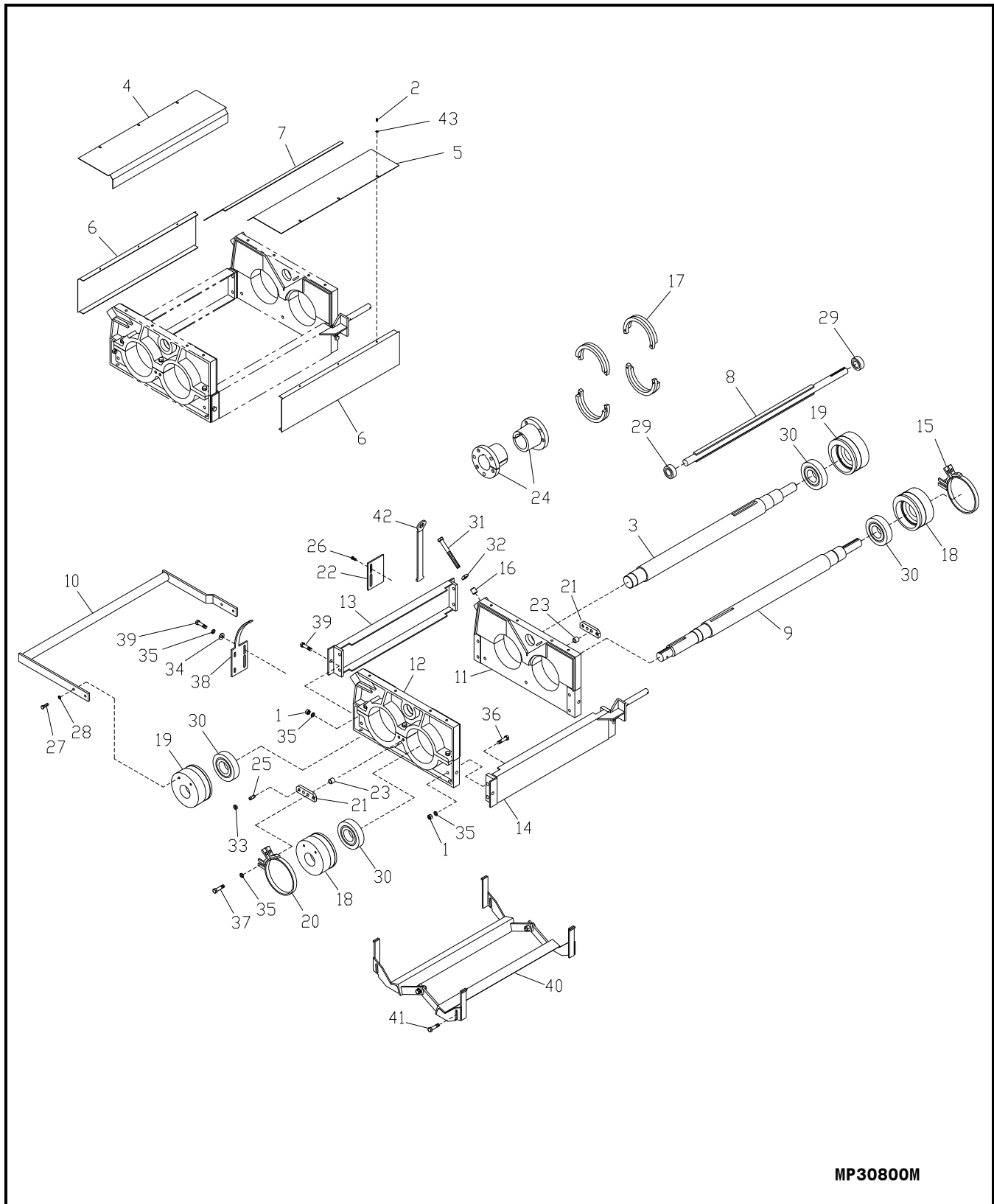
MILL TO MIXER AUGER ASSEMBLY - 365760

Item	Part Number	Qty.	Description
1	005200	14	Washer, Flat 1/2 STD
2	005360	14	Nut, Hex 1/2-13
3	005370	14	Washer, Lock 1/2 ZN
4	005390	10	Bolt, Crg 1/2-13 x 1 SSN GR5 ZN
5	019150	2	Flangette, 1-1/8 Bearing
6	020190	28	Nut, Lock 5/16-18 GR5 ZN Hex FLG
7	021180	11	Washer, Lock 3/8 ZN
8	021190	4	Washer, Flat 3/8 STD ZN
9	027260	11	Nut, Hex 3/8-16 GR5 ZN
10	030470	4	Bolt, Crg 1/2-13 x 1-1/4 SSN GR5 ZN
11	108850	1	Bearing, 1.12 Sod Spring Lock
12	128040	1	Plate, Hole Cover
13	165020	1	Bracket WLDT, Bearing Holder
14	165030	1	Bearing, 1.12 Split Wood PB
15	169340	28	Bolt, CRG 5/16-18 x 1/2 SSN GR2
16	170530	11	Bolt, CRG 3/8-16 x 1 SSN GR5
17	363750	1	Auger Wldt, Mill To Mixer
18	364250	1	Trough, Lower Pan To Tank
19	365330	1	Pan Wldt, Lower
20	365390	1	Cover, Lower Pan
21	365880	1	Cap, Trough
22	365900	1	Plate, Cap
23	365950	1	Cap, Angle
24	961990	1.5	Caulking, Tube Magic Seal Clear

30 INCH ROLLERMILL ASSEMBLY WITH OFFSET HOPPER

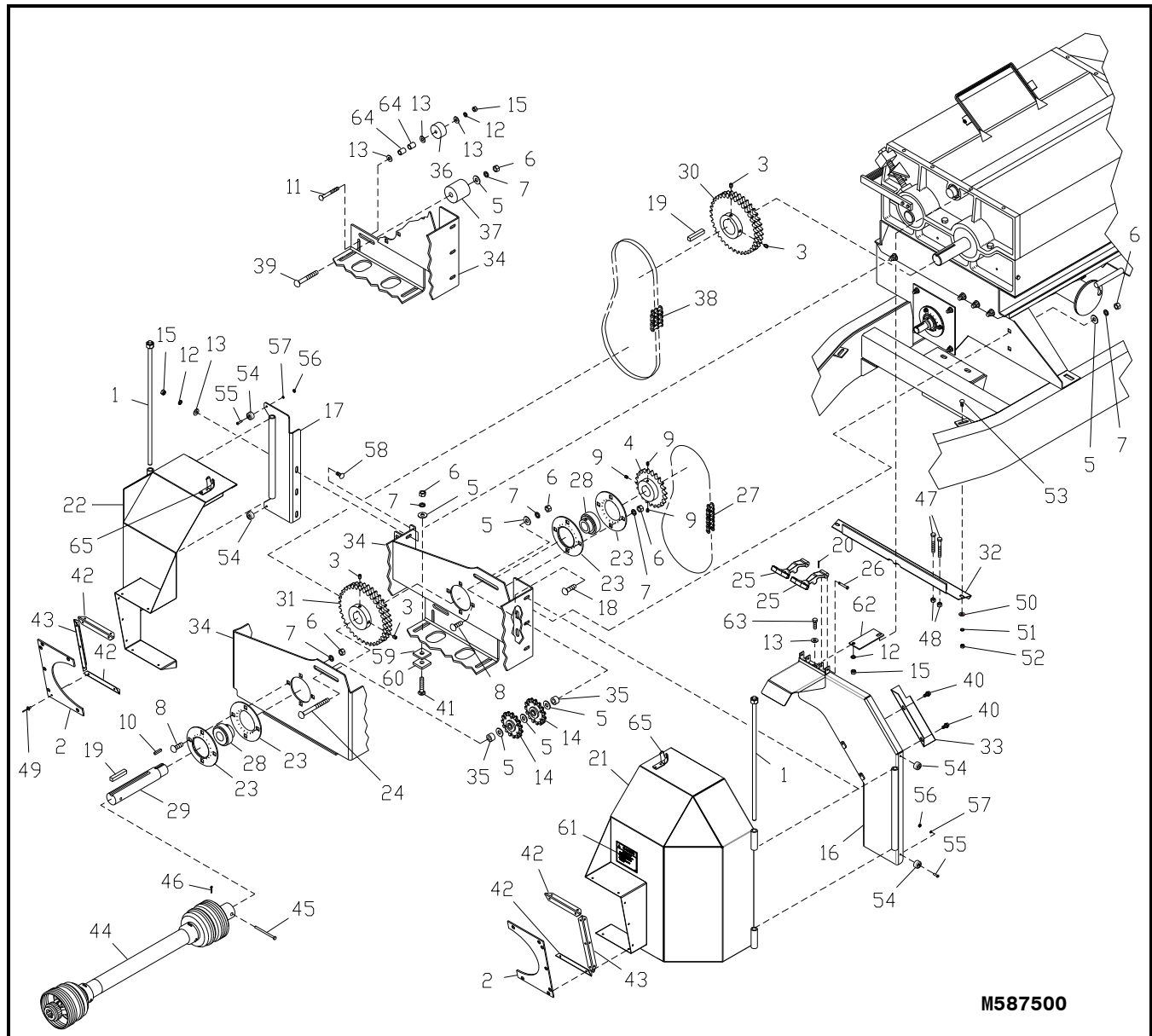
30 INCH ROLLERMILL ASSEMBLY WITH OFFSET HOPPER

Item	Part Number	Qty.	Description
1	012140	4	Bolt, HHCS 5/16-18 x $\frac{3}{4}$ Gr5 Zn
2	423280	1	Panel, 30" Upper Mtg
3	035230	16	Bolt, Truss HD 1/4-20 x 3/4
4	009740	2	Magnet, #4
5	023270	16	Nut, Lock 1/4-20 Hex Flg
6	375080	1	Hopper Wldt, 30" Offset
7	020190	4	Nut, Lock 5/16-18 GR5 ZN Hex FLG
8	012020	1	Rubber, Window
9	012050	1	Glass, 4.5 x 12.0
10	023260	1	Washer, Flat 1/4 Std
11	023090	1	Pin, Cotter 3/32 x 3/4
12	375130	1	Grate Wldt, Trash
13	375220	1	Magnet Assy, 30" Offset
14	380040	1	Cover, Air
15	006690	8	Bolt, HHCS 3/8-16 1-1/4
16	021190	8	Washer, Flat 3/8 STD ZN
17	P30800M	1	30" Roller Mill
18	371170	1	Base Wldt
19	005200	12	Washer, Flat 1/2 STD
20	005370	12	Washer, Lock 1/2 ZN
21	031080	4	Bolt, HHCS 1/2-13 x 1 Gr5 Zn
22	021180	10	Washer, Lock 3/8 ZN
23	027260	10	Nut, Hex 3/8-16 GR5 ZN
24	030470	8	Bolt, Crg 1/2-13 x 1-1/4 Gr5 Zn
25	E552044	5	Nut, Lock 3/8-16 Hex Top Lock Zn
26	376870	1	Rod, 3/8 x 23.0
27	386220	1	Gate Wldt, 30"
28	386240	2	Link, Lower
29	386260	1	Tube Wldt, Link
30	022420	4	Bolt, HHCS 3/8-16 x 3/4 Gr5 Zn
31	035520	1	Bolt, Crg 5/16-18 x 1-1/4 Gr5 Zn
32	386170	1	Hanger Wldt, Rear
33	386160	1	Hanger Wldt, Front
34	012560	2	Pin, Expansion 3/16 x 1
35	386180	1	Lever Wldt, Lift
36	386130	1	Knob, Fluted 5/16-18
37	150940	1	Grip, Round Handle
38	020180	7	Nut, Lock 3/8-16 Hex Flg Zn
39	012410	1	Bolt, Crg 5/16-18 x 3/4 SSN Gr5 Zn
40	023630	4	Nut, Hex 5/16-18 Zn
41	376630	1	Trough, Sample
42	376830	1	Tube Wldt
43	144510	1	Screw, RHMS 5/16-18 x 3/4 Zn
44	005360	8	Nut, Hex 1/2-13
45	032840	6	Bolt, Crg 3/8-16 x 3/4 Gr5 Zn
46	049180	2	Fitting, $\frac{1}{4}$ -28 Taper Thread Straight

30 INCH ROLLERMILL BASIC – P30800M**MP30800M**

30 INCH ROLLERMILL BASIC – P30800M

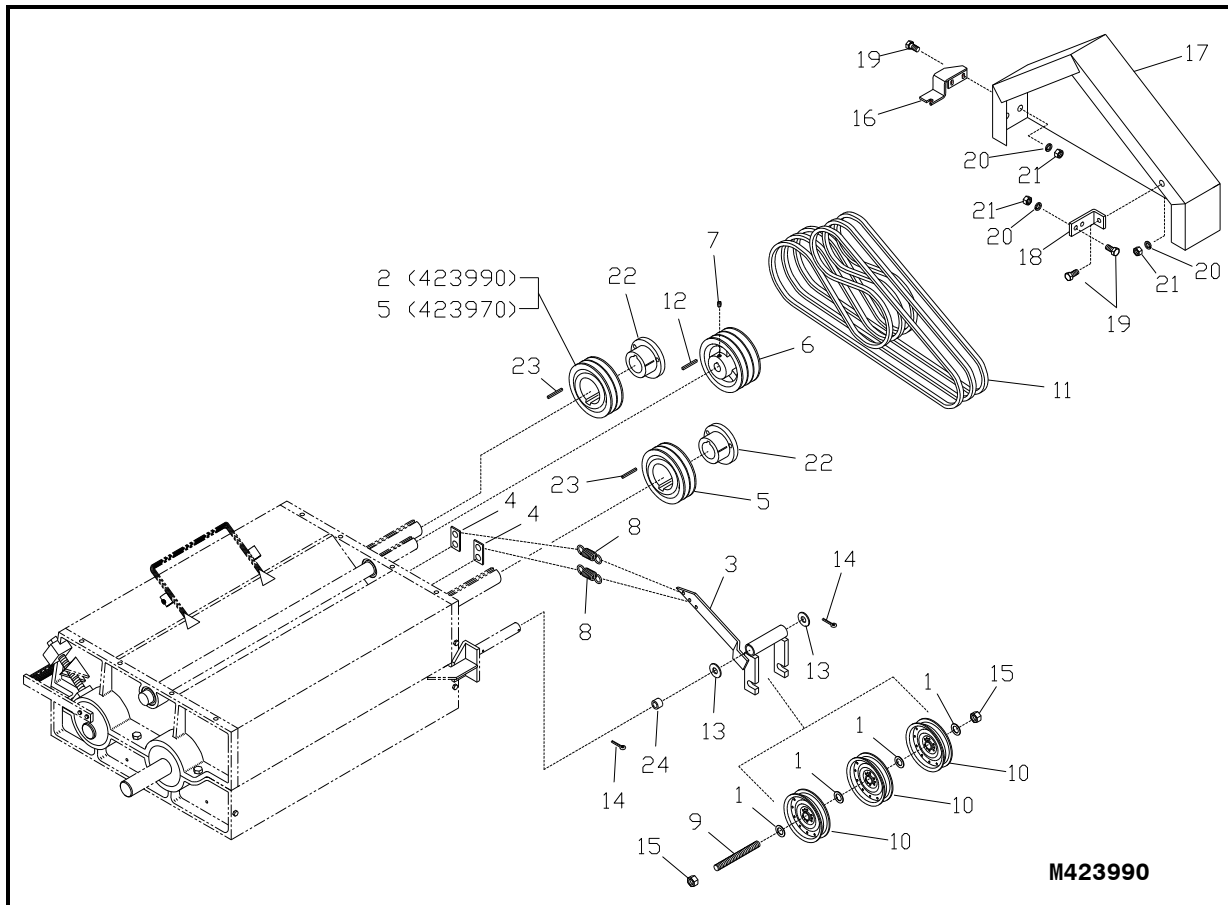
Item	Part Number	Qty.	Description
1	005360	12	Nut, Hex 1/2-13
2	P98341	22	Screw, SPHMS #10-24 x 1/2
3	403250	1	Shaft, Roll Eccentric 30"
4	P30813	1	Cover, Top Front Casting
5	P30814	1	Cover, Rear Top
6	P30815	2	Cover, Front & Rear Casting
7	P30816	1	Plate, Feed Control
8	P30820	1	Shaft Wldt, Agitator
9	423940	1	Shaft, 30" PTO Drive
10	P30835	1	Handle Wldt, Eccentric Adjusting
11	P36810	1	Side Assy, LH
12	P36811	1	Side Assy, RH
13	400080	1	Channel Wldt, RH
14	400100	1	Channel Wldt, LH
15	386470	1	Brake Wldt, Adjustable RH
16	P36182	2	Plug, Clamp Screw Brass
17	P36196	4	Weight Wldt, Roll
18	P36824	2	Housing, Drive Side Eccentric
19	P36825	2	Housing, Eccentric
20	P36835	1	Brake Wldt, Adjustable LH
21	P36838	2	Plate, Roll Adjuster
22	P36852	1	Stop, Corn Roll
23	P74358	4	Bushing, Support Swivel
24	P97946	4	Bushing, R2 x 3 Split Taper
25	P98307	4	Screw, Dog Point SS 1/2 -13 x 1
26	P98346	2	Screw, HH Self Tap 5/16 x 5/8
27	012260	4	Bolt, HHCS 3/8-16 x 1 Gr5 Zn
28	021180	4	Washer, Lock 3/8 ZN
29	P99036	2	Bearing, 1-1/4 Agitator
30	P99050	4	Bearing, Shaft 6313-2RS
31	P99420	2	Bolt, HHCS 7/8-9 x 6-1/2 Gr5 Zn
32	P99530	2	Nut, Square 7/8-9 Heavy
33	114380	4	Nut, Jam 1/2-13 Gr5 Zn
34	005200	4	Washer, Flat 1/2 STD
35	005370	18	Washer, lock 1/2 ZN
36	1770500	8	Bolt, HHCS 1/2-13 x 1-3/4 Gr5 Zn
37	013790	4	Bolt, HHCS 1/2-13 x 2-1/4 Gr5 Zn
38	388150	1	Stop, Eccentric Roll Gauge
39	014770	8	Bolt, HHCS 1/2-13 x 1-1/2 Gr5 Zn
40	P30940	1	Scraper, 30" Roll
41	991200	4	Bolt, HHCS 1/2-13 x 2 Gr5 Zn
42	416860	4	Wrench, Roller Mill
43	W144750056	6	Washer, Flat #10 SAE

540 RPM 30 INCH ROLLER MILL DRIVE ASSEMBLY

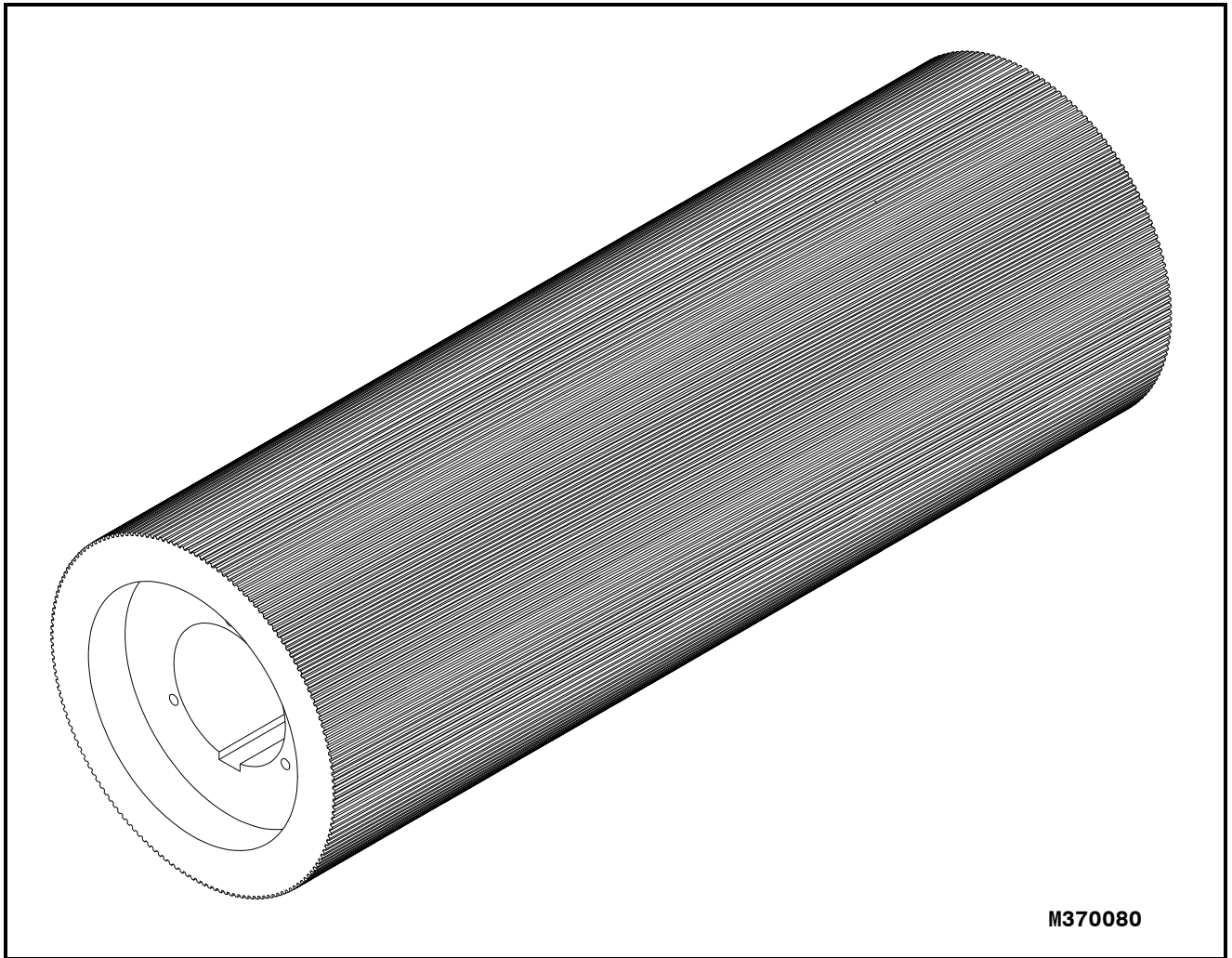
Item	Part Number	Qty.	Description
1	518711	2	Pin Wldt, Front Door White
2	581930	2	Guard, Rubber PTO
3	I125843	4	Screw, HSSS 3/8-16 x 3/8 Gr8
4	471840	1	Sprocket, 80B20 40mm Bore 1/4 Keyway
5	005200	20	Washer, Flat 1/2 STD
6	005360	16	Nut, Hex 1/2-13
7	005370	16	Washer, Lock 1/2 ZN
8	005390	8	Bolt, Crg 1/2-13 x 1 SSN GR5 ZN
9	010990	3	Screw, HSSS 5/16-18 x 5/16 Knurled Point BLO
10	011530	1	Key, Square 1/4 x 1-1/4
11	991190	1	Bolt, Crg 3/8-16 x 3-1/2 Gr2 Zn
12	021180	8	Washer, Lock 3/8 ZN
13	021190	12	Washer, Flat 3/8 STD ZN
14	021840	2	Sprocket, Idler 60A15 w/Bearing
15	027260	8	Nut, Hex 3/8-16 GR5 ZN

540 RPM 30 INCH ROLLER MILL DRIVE ASSEMBLY

Item	Part Number	Qty.	Description
16	587360	1	Mount Wldt, LH Shield 30" RM
17	587380	1	Mount Wldt, LH Shield 30" RM
18	030470	2	Bolt, Crg 1/2-13 x 1-1/4 SSN GR5 ZN
19	042040	2	Key, Square 1/2 x 2-3/4
20	116820	2	Pin, Cotter 1/16 x 3/4
21	587400	1	Shield Wldt, LH Side 30" RM
22	587440	1	Shield Wldt, RH Side 30" RM
23	121950	4	Flangette, Bearing 1-5/8, 1-3/4 4-Bolt
24	V061806	1	Bolt, Crg 1/2-13 x 5-1/2 GR5 Zn
25	E504003	2	Latch, Rubber
26	215800	2	Pin, Clevis 1/4 x 1-5/8 Zn
27	577390	1	Chain, RC80-46 Pitches
28	288130	2	Bearing, 1-3/4 x 85mm SOD w/Collar
29	386400	1	Shaft, Stub
30	386420	1	Sprocket Wldt, D60B36 1-3/4 Bore
31	386440	1	Sprocket Wldt, D60B36 2-1/4 Bore
32	587490	1	Stop, Lower Shield
33	587720	1	Shield, Filler 30" RM
34	587330	1	Mount Wldt, Main Drive
35	387180	2	Spacer, .562 x .62 x 1.0
36	387190	1	Block, Wood Idler Short
37	387200	1	Block, Wood Idler Long
38	387210	1	Chain, RC60-2 x 64 Pitches
39	J03H1596	1	Bolt, CRG 1/2-13 x 3 Gr5 Zn
40	JN71292	2	Bolt, HHCS 5/16-18 x 1/2 Flg Gr5, ZN
41	991200	2	Bolt, CRG 1/2-13 x 2 Gr5 Zn
42	584430	4	Angle, Backing Eyebrow Short
43	584440	2	Angle, Backing Eyebrow Long
44	380690	1	PTO Assy, 1-3/8 6B x 1-3/4 SBC
45	036480	1	Pin, Clevis 5/16 x 3 Zn
46	020700	1	Pin, Cotter 5/32 x 1 Chisel Point
47	407760	2	Bolt, HHCS M10-1.5 x 60mm Gr8.8 Zn
48	402630	2	Nut, Hex Lock M10-1.5 Zn
49	1070819	28	Rivet, Blind 3/16 x .450
50	022920	2	Washer, Flat 5/16 STD
51	023620	2	Washer, Lock 5/16 Zn
52	023630	2	Nut, Hex 5/16-18 Zn
53	254060	2	Bolt, CRG 5/16-18 x 1 SSN GR5 ZN
54	212510	4	Bumper, Rubber
55	991120	4	Screw, RHMS #10-24 x 3/4 GR2 Slotted ZN
56	120590	4	Nut, Hex #10-24 GR2 Zn
57	120600	4	Washer, Lock #10 Zn
58	035180	6	Bolt, CRG 5/16-18 x 1 SSN GR5 ZN
59	035780	2	Washer, Square 1/4 x 1-3/4 Plain
60	035790	2	Washer, Square 3/8 x 1-3/4 Plain
61	384030	1	Decal, Danger 565 RPM Speed
62	588560	1	Strap, Mount Support Front Shield
63	006690	1	Bolt, HHCS 3/8-16 x 1-1/4 Gr5 Zn
64	144740	2	Spacer, .675 x .493 x .875
65	E104310	RF	Bracket, Hook Rubber Hold (in 587400 & 587440)

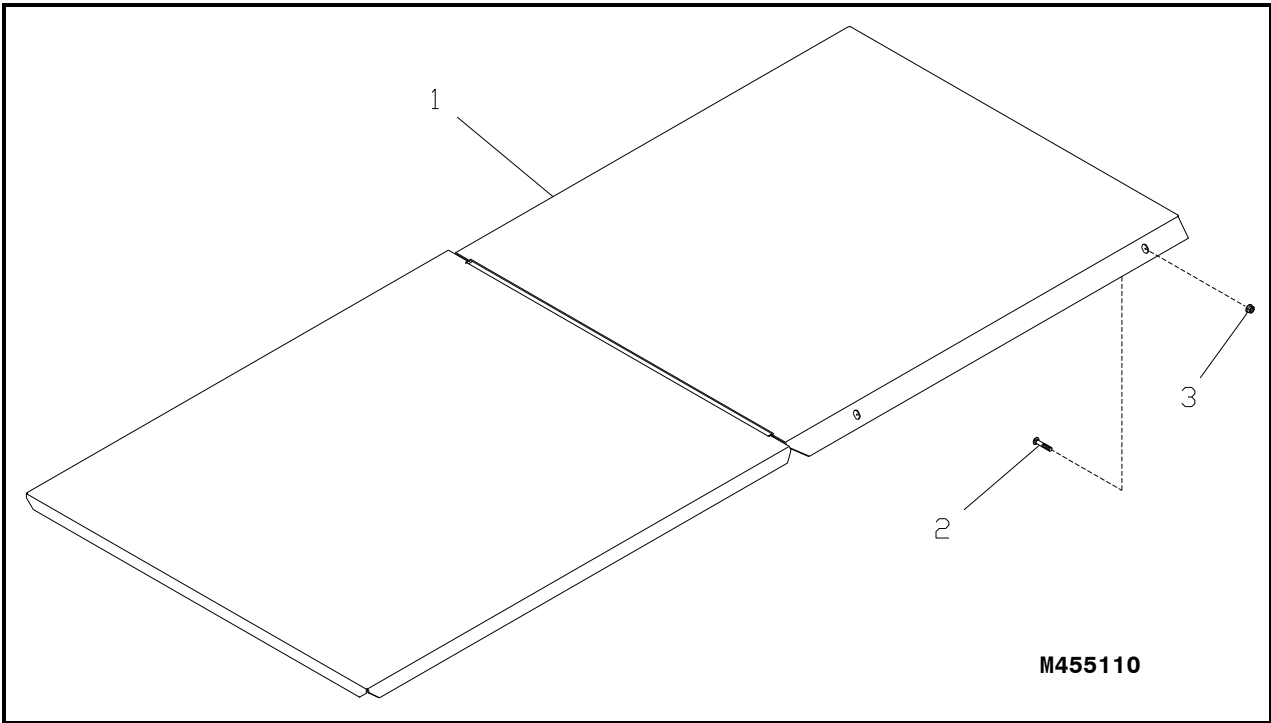
30 INCH ROLLER MILL BELT DRIVE

Item	Part Number	423970 (1:1) Qty.	423990 (1:1.12) Qty.	Description
1	E126120	4	4	Bushing, Mach..75 x 1.25 x 18 Ga.
2	423950	-	1	Pulley, Roll Speed Differential
3	P30953	1	1	Bracket Wldt, Belt Tightener
4	P30957	2	2	Bracket, Spring
5	423960	2	1	Pullet, Roll Drive
6	P30882	1	1	Pulley, Agitator
7	P98298	1	1	Screw. AHSS 3/8-16 x 1/2
8	P98379	2	2	Spring, Belt, Tightener 1 x 6
9	P36153	1	1	Shaft, Tightener Full Thread 5/8-11
10	P99025	3	3	Pulley, Idler .634 Bore 4.37 O.D.
11	P99712	3	3	Belt, Roll Drive BB-81
12	014630	1	1	Key, Square 1/4 X 2
13	020430	9	12	Washer, Flat 5/8 Std
14	124340	1	1	Pin, Cotter 3/16 x 1-1/2
15	020450	2	2	Nut, Hex 5/8-11 Gr2 Zn
16	388080	1	1	Mount Wldt, Shield
17	P36731	1	1	Guard Wldt, Belt
18	P36735	1	1	Bracket, Rear
19	012140	5	5	Bolt, HHCS 5/16-18 x 3/4 Gr5 Zn
20	023620	5	5	Washer, Lock 5/16 Zn
21	023630	5	5	Nut, Hex 5/16-18 Zn
22	E126080	2	2	Bushing, Split Taper Q1 2 x 1/4 x 1/2
23	401320	2	2	Key, Square 1/2 x 2-1/2
24	395260	1	-	Spacer, Idler

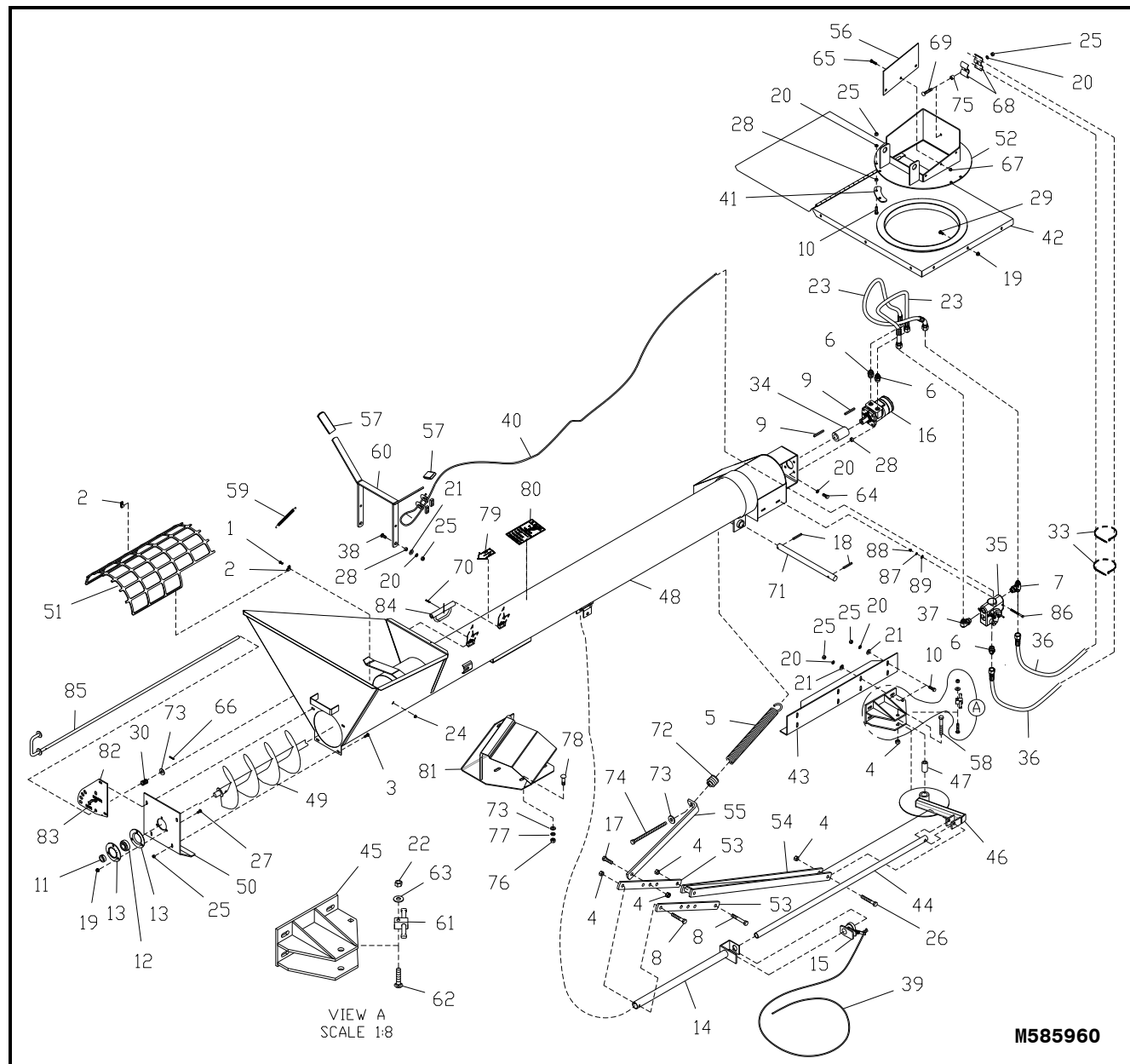
NEW OR REGROOVED 30 INCH ROLLS**M370080**

	Part Number New	Part Number Regrooved	Description
	370080	370081	Roll Assy, 5-Groove Flat (Shown)
	396800	396801	Roll Assy, 5-Groove Sharp
	370090	370091	Roll Assy, 7-Groove Flat
	396840	396841	Roll Assy, 7-Groove Sharp
	370100	370101	Roll Assy, 10-Groove Flat
	390400	390401	Roll Assy, 10-Groove Sharp
	389080	389081	Roll Assy, 12-Groove Sharp

COVER ASSEMBLY FOR 30 INCH OFFSET HOPPER W/O AUGER FEEDER – 455110

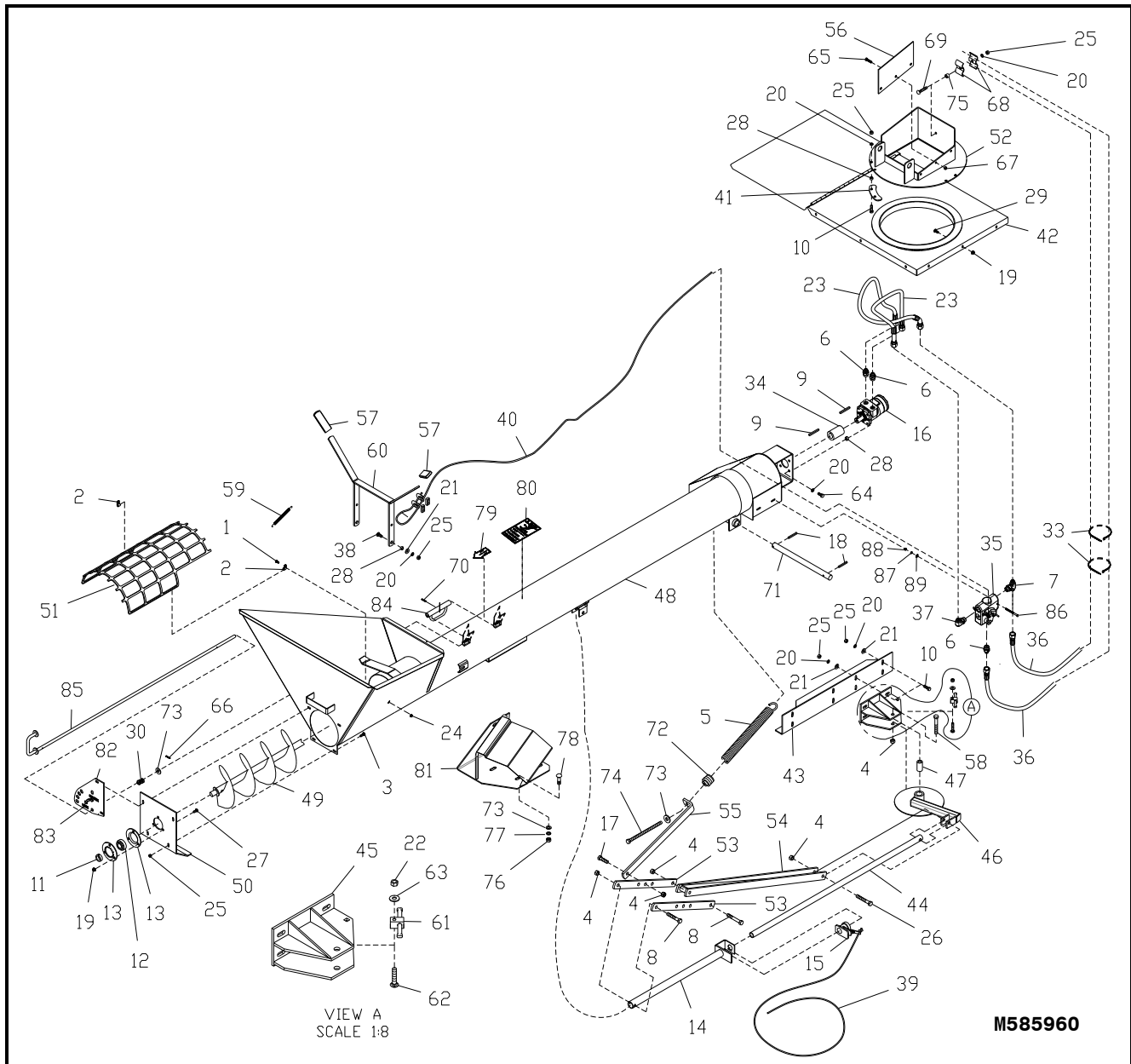


Item	Part Number	Qty.	Description
1	455060	1	Cover Wldt, w/o Auger Feeder 30" RM
2	035290	4	Nut, Hex 1/2-13
3	020190	4	Washer, Lock 1/2 ZN

HYDRAULIC AUGER FEEDER ASSEMBLY – 585960

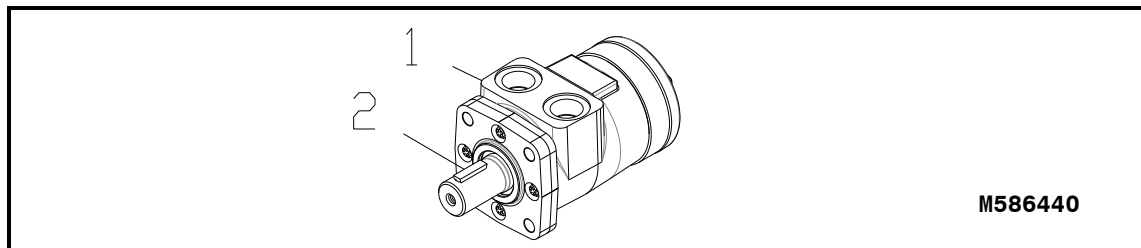
HYDRAULIC AUGER FEEDER ASSEMBLY - 585960

Item	Part Number	Qty.	Description
1	E096029	2	Bolt, CRG 1/4-20 x 3/4 ZN
2	E180006	3	Clip, Wire
3	012410	4	Bolt, HHCS 5/16-18 x 3/4 GR5 ZN
4	I9413967	6	Nut, Lock 1/2-13 Hex Gr5 Cad
5	113470	1	Spring, 2" Dia. x 14" long
6	MP3202101	3	Adapter, Straight
7	585150	1	Adapter, Tee-8 MJIC
8	038560	2	Bolt, HHCS 1/2-13 x 4 GR5 ZN
9	011530	2	Key, Square 1/4 -1-1/4
10	012260	15	Bolt, HHCS 3/8-16 x 1 GR5 ZN
11	012300	1	Collar, Lock 1.0
12	012310	1	Bearing, Adapter 1 SOD
13	012330	2	Flangette, Brg 7/8 x 1.0, 3-Bolt Round
14	014130	1	Support, Pipe Jack Top
15	014140	1	Clamp, Drag Feed Only
16	585120	1	Motor, Hyd. 12 CU. IN. (See Page 46)
17	014770	1	Bolt, HHCS 1/2-13 x 1-1/2 GR5 ZN
18	018920	2	Pin, Roll 1/4 x 1-3/4 Zn
19	020190	16	Nut, Lock 5/16-18 Hex Flg Gr5 Zn
20	021180	20	Washer, Lock 3/8 ZN
21	021190	12	Washer, Flat 3/8 STD 7/16 x 1 x 5/64 ZN
22	023060	1	Nut, Lock 3/8-16 2-Way
23	585180	2	Hose Assy, Hyd. 1/2-20", -8FJIC 45 Deg. -8FJIC
24	023270	2	Nut, Lock 1/4-20 Hex Flg Gr5 Zn
25	027260	5	Nut, Hex 3/8-16 GR5 ZN
26	031580	1	Bolt, HHCS 1/2-13 x 2-3/4 GR5 ZN
27	254060	3	Bolt, CRG 5/15-18 x 1 SSN GR5 ZN
28	033460	6	Spacer, .38 ID x .56 OD x .312
29	035290	9	Bolt, CRG 5/15-18 x 5/8 Gr2 ZN
30	129310	1	Spring, Comp
31	114370	1	Pin, Cotter 1/4 x 2 ZN
32	129260	2	Cable, Clip 1/8 Cable
33	149670	6	Tie, Nylon Cable
34	160140	1	Collar, Shaft Roll Feed
35	585130	1	Valve Assy, Hyd. (See Page 46)
36	585190	2	Hose Assy, Hyd. 1/2-120", -8FJIC -8FJIC
37	MP32.03794	1	Adapter, 90 Deg. Elbow
38	170530	10	Bolt, CRG 3/8-16 x 1 SSN GR5 ZN
39	211490	1	Rope, Polypropylene 102" Long
40	214020	1	Rope, Wire Assy 124" Mech AF
41	349470	3	Plate, Clamp
42	377850	1	Cover Wldt, Hopper 30"
43	388110	1	Mount Wldt, Support
44	371060	1	Pipe, Lower
45	587590	1	Support wldt, Lower AF 30" RM
46	587610	1	Pivot Wldt, Lower AF 30" RM
47	371130	1	Bushing, 1.0 OD x .561 ID x 1.9
48	587520	1	Housing Wldt, AF
49	371260	1	Auger Wldt, Grain
50	371320	1	Panel, Hopper Bearing
51	560720	1	Grate, Guard Auger Feeder
52	372910	1	Cap Wldt, Hopper
53	372970	2	Strap, Spring Adjustment
54	577080	1	Support Wldt, Auger Feeder
55	372990	1	Strap, Spring Extension
56	373000	1	Flap, Rubber Grain

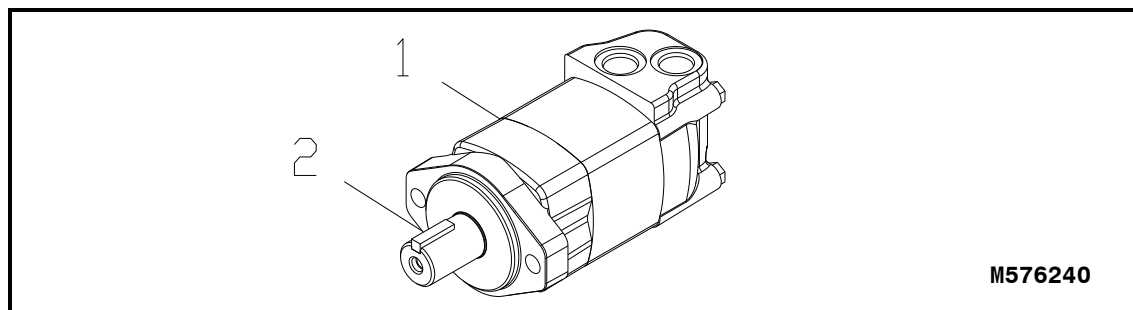
HYDRAULIC AUGER FEEDER ASSEMBLY- 585960 CONTINUED

HYDRAULIC AUGER FEEDER ASSEMBLY- 585960 CONTINUED

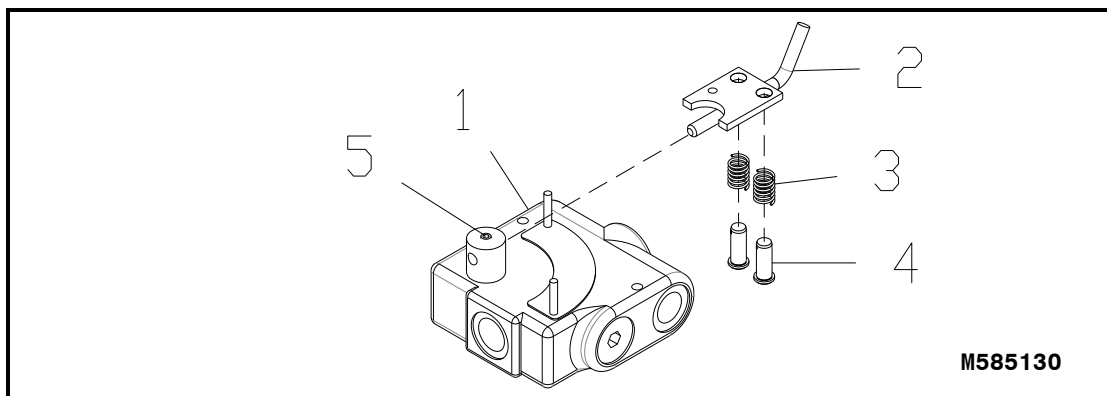
Item	Part Number	Qty.	Description
57	021560	2	Grip Clutch Handle
58	990840	1	Bolt, HHCS 1/2-13 x 3 Gr5 Zn
59	100750	1	Spring, Extension
60	587650	1	Handle WLDT, AF Shut-Off
61	160560	1	Handle Assy, Brake
62	E096042	1	Bolt, Crg 3/8-16 x 1-3/4 Gr2 Zn
63	012270	1	Washer, Flat 13/32 x 1-3/4 x 9/64 Plain
64	022420	4	Bolt, HHCS 3/8-16 x 3/4 Gr5 Zn
65	005900	3	Bolt, HHCS 5/16-18 x 1 GR5 ZN
66	012560	1	Pin, Roll 3/16 x 1
67	025670	3	Nut, Lock 5/16-18 Hex Zn
68	413050	2	Clamp, Hose Short
69	J03H1558	1	Bolt, Crg 3/8-16 x 1-1/2 SSN Gr5
70	C01-0103-F	1	Pin, Roll 3/16 x 3/4
71	373010	1	Rod, Auger Pivot
72	113490	1	Nut, Spring Retaining
73	005200	4	Washer, Flat 1/2 STD
74	384270	1	Bolt, HHCS 1/2-13 x 7 Full Thread
75	P98458	1	Spacer, Split Pipe
76	005360	2	Nut, Hex 1/2-13
77	005370	2	Washer, Lock 1/2 ZN
78	030470	2	Bolt, Crg 1/2-13 1-1/4 Gr5 Zn
79	158520	1	Decal, A-W Stop Auger Feeder
80	383990	1	Decal, Danger Auger Feeder Hazard
81	587670	1	Mount Wldt, AF 30" RM
82	587580	1	Plate, End AF Hold Down 30" RM
83	586320	1	Decal, AF Latch 'Lock'-'Unlock'
84	583410	1	Latch WLDT, AF
85	583490	1	Rod WLDT, AF
86	031560	2	HHCS, 1/4-20 x 2-1/2
87	029440	2	Washer, Lock 1/4 SAE Med
88	027660	2	Nut, Hex 1/4-20-D-N
89	023260	2	Washer, Flat 1/2 Std

AUGER FEEDER & SWING HYDRAULIC MOTOR KITS - 585440**M586440**

Item	Part Number	Qty.	Description
1	586440	-	Motor, Hyd. 20 CI Displacement SAE-10 O-Ring (Swing)
1	585120	-	Motor, Hyd. 12 CI Displacement SAE-10 O-Ring (Auger Feeders)
2	006180	-	Key, Woodruff 1/4 x 1 #15 (808)
3	1780808	-	Seal Kit, Eaton 'H'-Series Motor #60023 (Not Shown)
3	243040	-	Seal Kit, Ross TRW 'MG'-Series Motor #SK000090 (Not Shown)

DISCHARGE HYDRAULIC MOTOR KIT - 576240**M576240**

Item	Part Number	Qty.	Description
1	576240	-	Motor, Hyd. 20 CI Displacement SAE-10 O-Ring
2	020220	-	Key, Square 5/16 x 1-1/4
3	G214101	-	Seal Kit, Eaton '2000'-Series Motor #61258-000 (Not Shown)

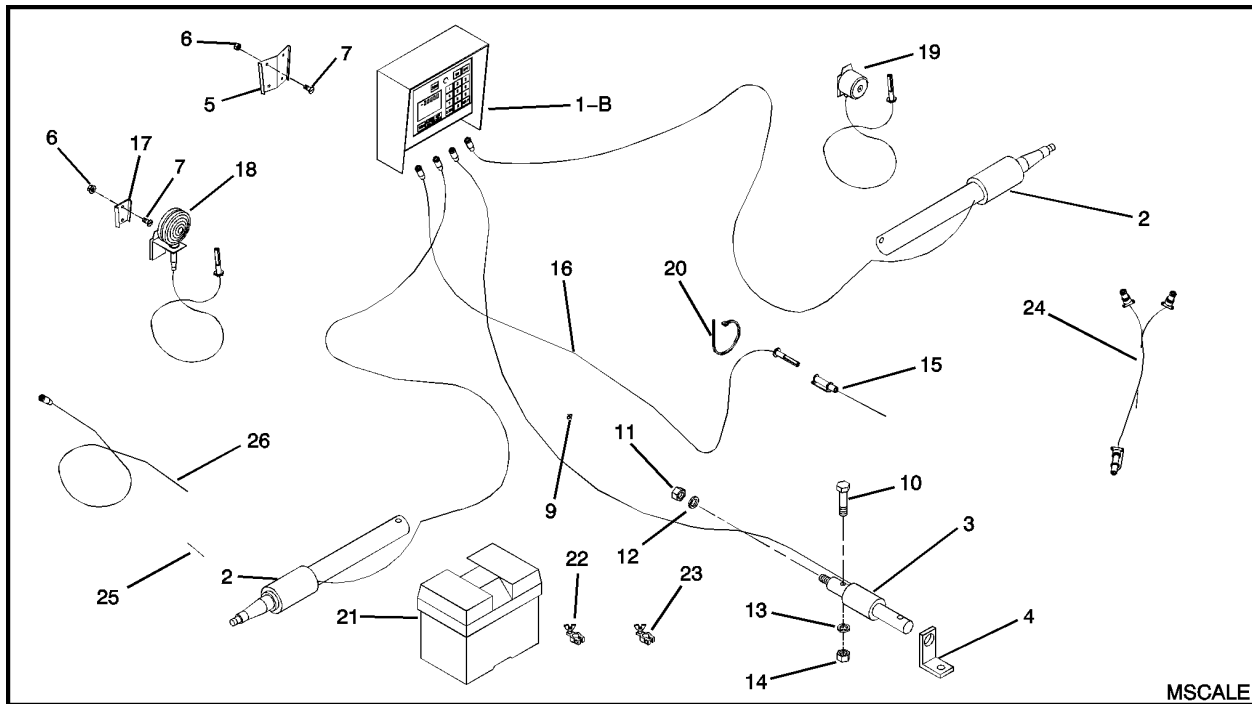
AUGER FEEDER & ROLL FEED FLOW CONTROL VALVE ASSEMBLY - 585130**M585130**

Item	Part Number	Qty.	Description
1	585140	1	Valve, Flow Control W/O Handle
2	012172	2	Pin, Clevis 3/8 x 1
3	042390	2	Spring, Compression 0.415 x 0.50 x 1.045 ZN
4	161500	1	Lever WLDT, Hyd. Control
5	E672451	1	Screw, SHSS 1/4-20 x 1/4

NOTES

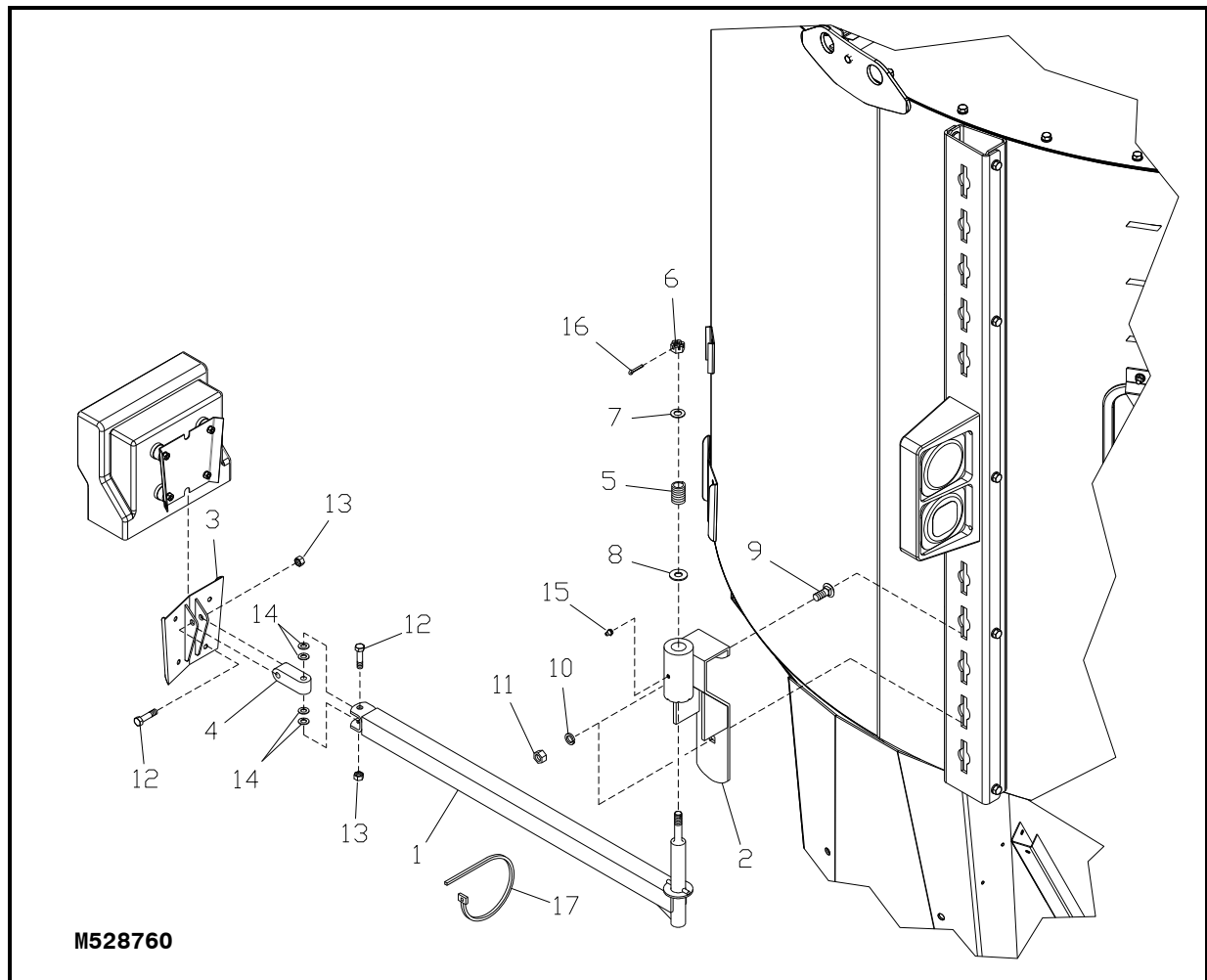
FOLDING DISCHARGE AUGER EXTENSION 3' & 6'

Item	Part Number	585800 3' Qty.	584310 6' Qty.	Description
1	586140	1	-	Auger Wldt, 3' (Shown)
	584600	-	1	Auger Wldt, 6'
2	584410	1	-	Tube Wldt, 3' (Shown)
	583300	-	1	Tube Wldt, 6'
3	583840	1	1	Clamp Wldt, Discharge Outer
4	583880	1	1	Clamp Wldt, Discharge Inner
5	583890	1	1	Clamp Wldt, Extension Inner
6	583990	1	1	Clamp Wldt, Extension Outer
7	583930	1	1	Clamp Wldt, w/Strap
8	583960	1	1	Clamp Wldt, w/Pin
9	584960	2	2	Band, Clamping 2-Hole
10	586850	1	1	Hinge Wldt, Adjustable Extension
11	584630	1	1	Pin Wldt, Pilot
12	587240	2	2	Anchor Wldt, Pin
13	587220	1	1	T-Bar Wldt, Latch
14	586880	AR	AR	Shim, Extension Hinge
15	127830	1	1	Handle Wldt
16	144640	1	1	Pin, Pivot
17	143710	1	1	Pin, Snapper
18	143700	1	1	Chain, 8" Long
19	144650	1	1	Decal, Important Auger Engagement
20	034360	2	2	Pin, Cotter, 1/8 x 1 Zn
21	035830	1	1	Pin, Bridge 3/16 x 1-1/2 Internal Hair ZN
22	127890	1	1	Nut, Lock 1/2-13 Hex Zn
23	005360	1	1	Nut, Hex 1/2-13 Zn
24	035180	4	4	Bolt, CRG 3/8-16 x 1-1/4 SSN Gr5 Zn
25	021190	4	4	Washer, Flat 3/8 Standard Zn
26	021180	4	4	Washer, Lock 3/8 Zn
27	027280	4	4	Nut, Hex 3/8-16 Zn
28	990820	1	1	Bolt, HHCS 3/8-16 x 3 GR5 ZN
29	073630	1	1	Nut, Lock 3/8-16
30	025760	20	20	Bolt, HHCS 5/16-18 x 1-1/2 GR5 ZN
31	020190	20	20	Nut, Lock 5/16-18 GR5 ZN Hex FLG
32	012410	2	2	Bolt, CRG 5/16-18 x 3/4 SSN ZN
33	025670	2	2	Nut, Hex 5/16-18
34	218300	1	1	Bolt, HHMS #10-24 x 1/2 ZN
35	W144750056	1	1	Washer, Flat #10 SAE
36	124300	1	1	Nut, Lock #10-24 Hex

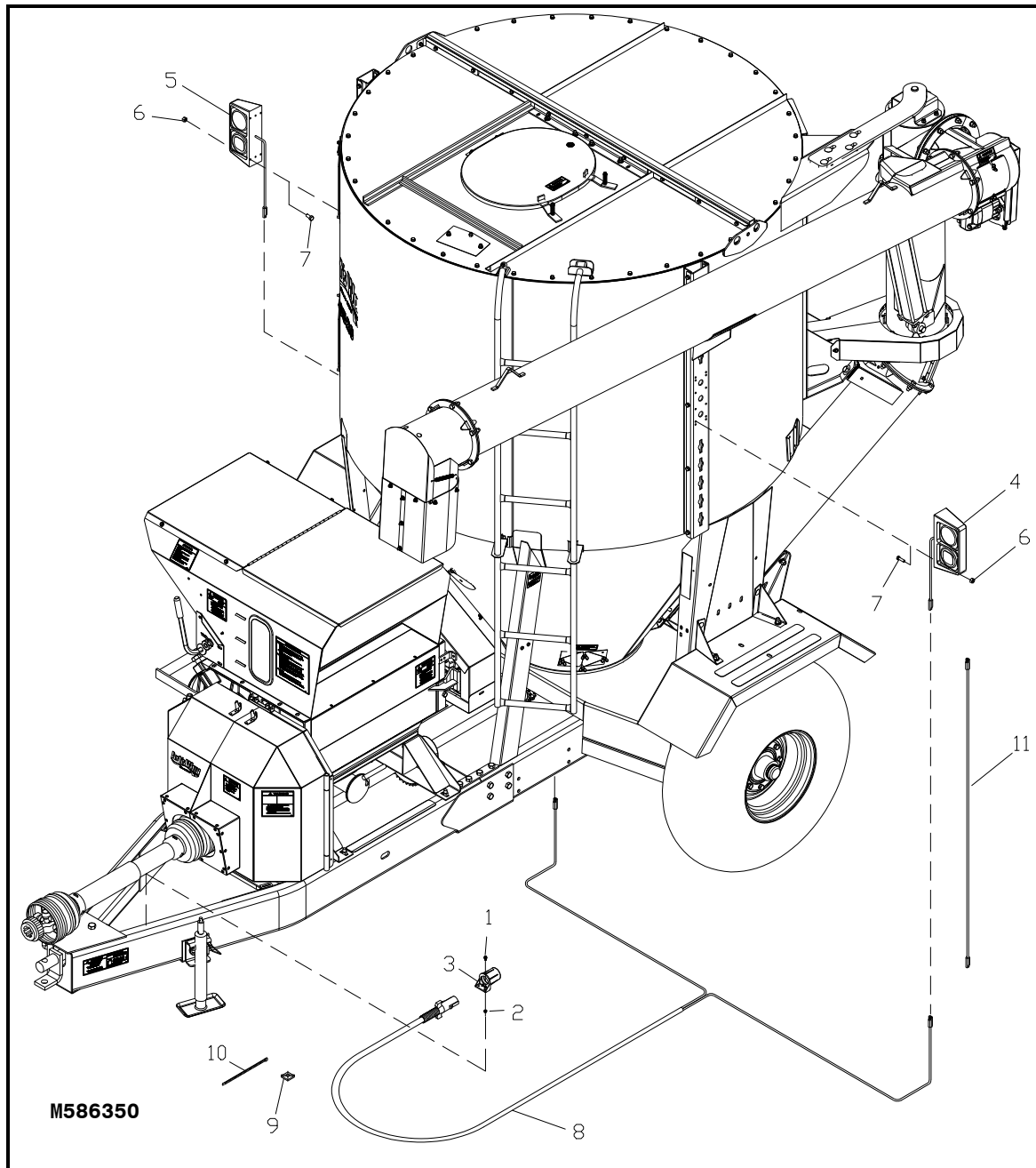
ELECTRONIC SCALE ASSEMBLY

MSCALE

Item	Part Number	Qty.	Description
1-A	556670	1	Indicator, Model 640 -3 Connector/5 Pin Plug
1-B	556680		Indicator, Model 640XL -3 Connector/5 Pin Plug
1-C	5173101		Indicator, Model 1040 -3 Connector/5 Pin Plug
1-D	5173201		Indicator, Model 1040XL -3 Connector/5 Pin Plug
2	040611	2	Spindle, Weigh Bar 5-Pin
3	219870	1	Hitch, Weigh Bar 5-Pin
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	1	Bolt, HHCS 3/4"-10 x 4-1/2"
11	147310	1	Nut, Hex 1"-8 Grade 2
12	003350	1	Washer, Lock 1" Split
13	036800	1	Washer, Lock 3/4" Split
14	036750	1	Nut, Hex 3/4"-10 Grade 2
15	036780	1	Connector, Power Cord (Female)
16	147060	1	Cord, 23' Digital Power
17	039261	-	Bracket
18	111900	-	Light, Warning Digital
19	111880	-	Horn, Digital Warning
20	149670	-	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, Weigh Bar Cord
26	253210	-	Pigtail, 5-Pin With B-Connector With 1' Cord
26	253211	-	Pigtail, 5-Pin With B-Connector With 10' Cord
26	253212	-	Pigtail, 5-Pin With B-Connector With 20' Cord

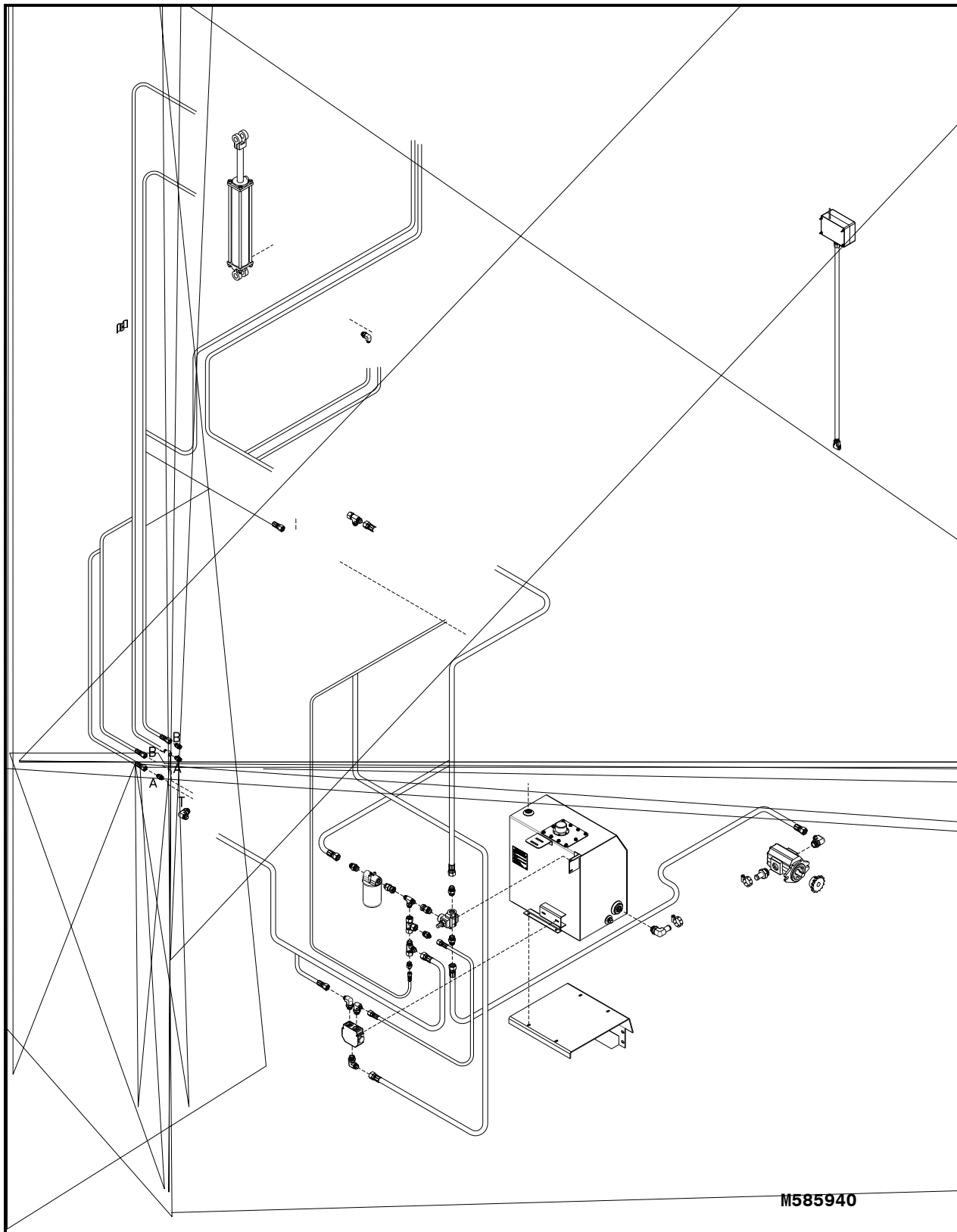
SCALE ARM ASSEMBLY - 528760

Item	Part Number	Qty.	Description
1	529560	1	Arm WLDT, Scale Pivot
2	529600	1	Bracket WLDT, Scale Pivot Mount
3	529630	1	Bracket, WLDT Scale Mtg
4	400800	1	Block, Pivot
5	342890	1	Spring, Compression 1 x 1.75
6	215160	1	Nut, Hex Slotted 1/2-20
7	I120396	1	Washer, Flat 1/2 SAE
8	005200	1	Washer, Flat 1/2 Std ZN
9	E096046	2	Bolt, CRG 1/2-13 x 1-1/2
10	005370	2	Washer, Lock 1/2
11	005360	2	Nut, Hex 1/2-13
12	037790	2	Bolt, HHCS 3/8-16 x 2 GR5
13	023060	2	Nut, Lock 3/8 Hex 2-Way
14	I120394	4	Washer, Flat 3/8 SAE
15	115590	1	Fitting, 1/4-28 Straight Self-tapping
16	020700	1	Pin, Cotter 5/32 x 1
17	149670	6	Tie, Nylon Cable 3/16 x 11

HIGHWAY LIGHTS 6520 CATTLEMAXX - 586350

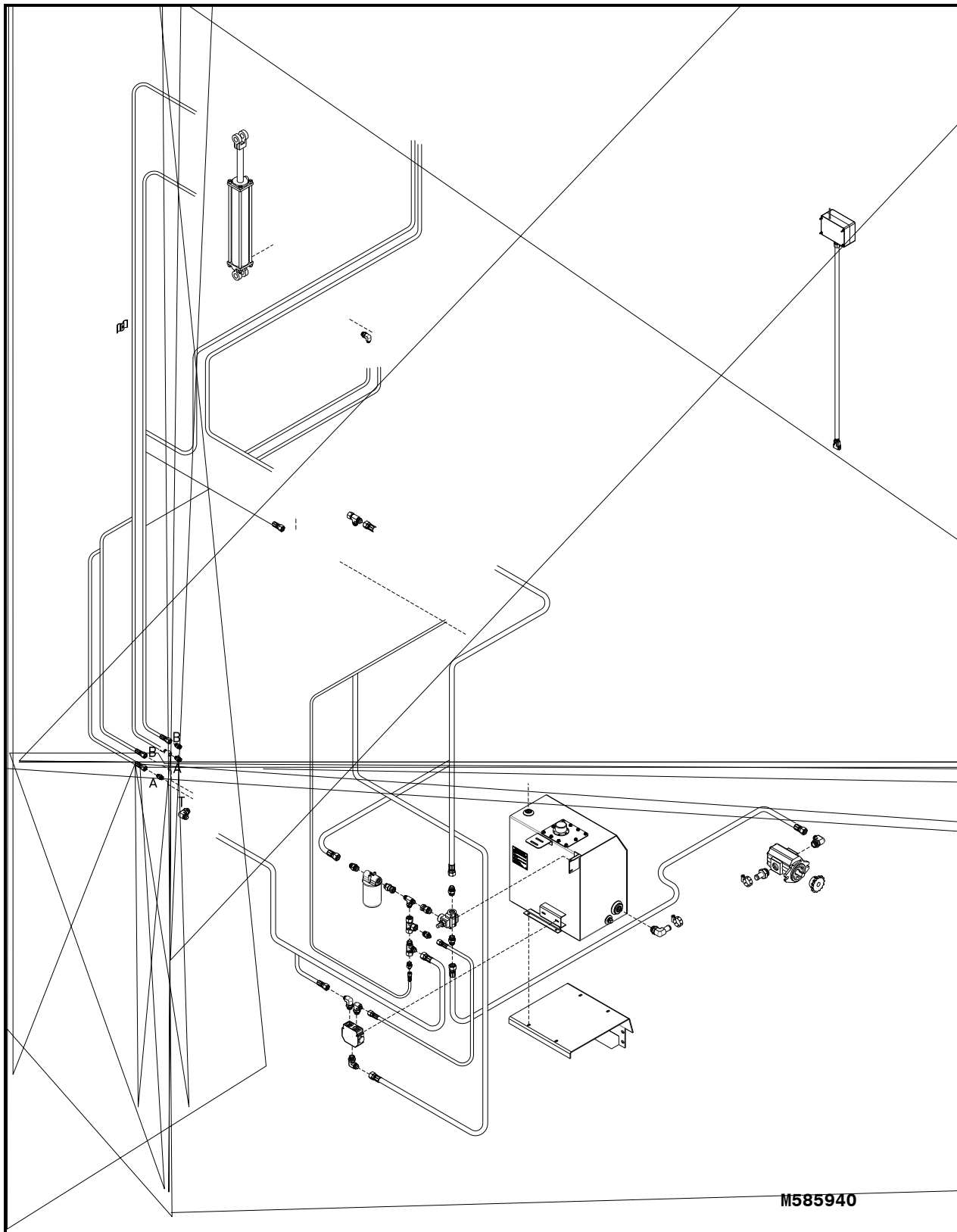
Item	Part Number	Qty.	Description
1	J37H3	2	Screw, HWHMS 1/4-20 x 5/8
2	027660	2	Nut, Hex 1/4-20
3	JPT1296	1	Bracket, Plug Storing
4	MP16.10742	1	Light, Dual Lamp, Amber/Red - LH
5	MP16.10743	1	Light, Dual Lamp, Amber/Red - RH
6	MP904092	8	Lock Nut, 1/4-20
7	MP907171	8	Bolt, Hex 1/4 x 1-1/4
8	586360	1	Harness, Wishbone 336" 6520 GM
9	MP16.20395	2	Cable Clamp to fit 5/16 Bolt
10	MP902607	4	Cable Ties 6" or 8"
11	586340	-	Harness, 5' Extension 3-Pin Ag

NOTES

HYDRAULICS SELF CONTAINED - 585940

HYDRAULICS SELF CONTAINED - 585940

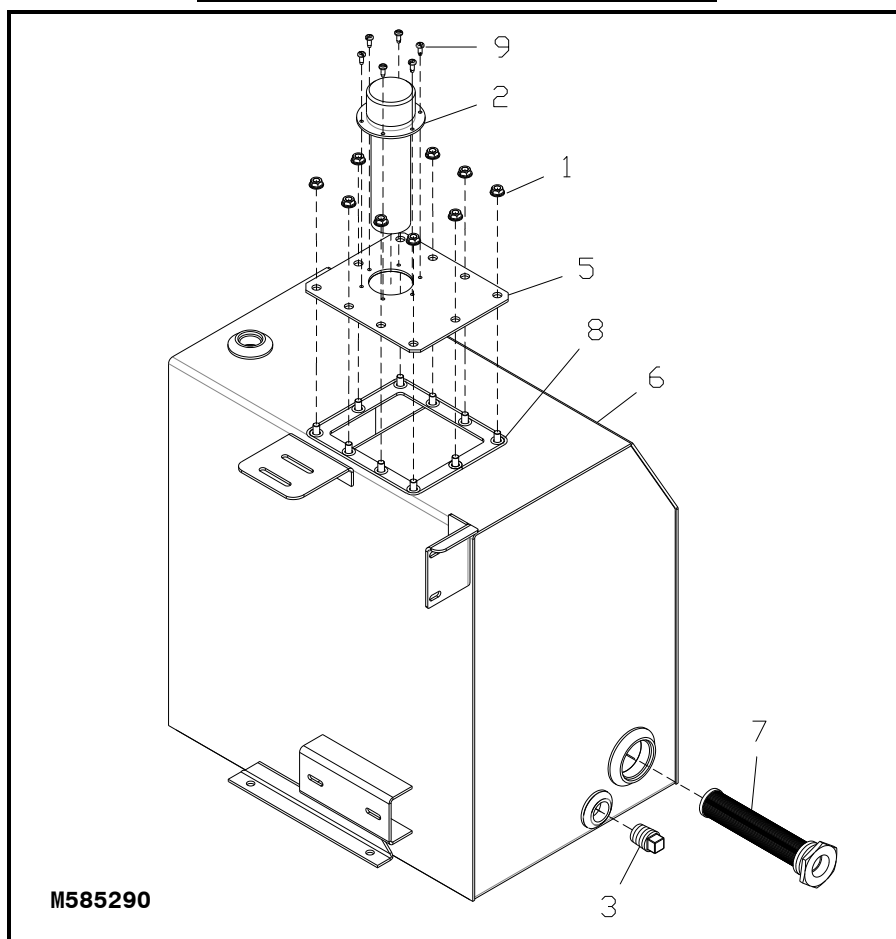
Item	Part Number	Qty.	Description
1	005200	12	Washer, Flat 1/2 Std Zn
2	005360	8	Nut, Hex 1/2-13 Gr5 Zn
3	005370	8	Washer, Lock 1/2 Zn
4	005900	4	Bolt, HHCS 5/16-18 x 1 Gr5 Zn
5	006670	1	Key, Square 3/8 x 1-1/2
6	006690	4	Bolt, HHCS 3/8-16 x 1-1/4 Gr5 Zn
7	007080	1	Bolt, HHCS 1/2-13 x 2-1/2 Gr5 Zn
8	020430	2	Washer, Flat 5/8 Std Zn
9	021180	10	Washer, Lock 3/8 Zn
10	021190	7	Washer, Flat 3/8 Std Zn
11	023260	8	Washer, Flat 1/4 Std Zn
12	023620	5	Washer, Lock 5/16 Zn
13	023630	5	Nut, Hex 5/16-18 Gr5 ZN
14	027260	3	Nut, Hex 3/8-16 Gr5 ZN
15	027660	6	Nut, Hex 1/4-20 Gr5 ZN
16	029440	8	Washer, Lock 1/4 Zn
17	029450	2	Bolt, HHCS 1/4-20 x 1/2 Gr5 Zn
18	031560	4	Bolt, HHCS 1/4-20 x 2-1/2 Gr5 Zn
19	034360	1	Pin, Cotter 1/8 x 1 Zn
20	035180	3	Bolt, CRG 3/8-16 x 1-1/4 Gr5 ZN
21	037540	1	Nut, Lock 1/2-13 Nylon Hex Gr5 Zn
22	041450	2	Bolt, Crg 3/8-16 x 2 Gr5 Zn
23	588510	1	Chain, Roller RC60H x 54 Pitch
24	165990	.5	Lubricant, Industrial
25	166000	24 Gal.	Oil, Hydraulic
26	166110	2	Clamp, Hose 20H
27	208550	1	Actuator, Electromech Linear
28	218660	2	Screw, HSSS 3/8-16 x 3/8 BLO
29	588500	1	Sprocket, 60B38 1-5/8 Bore 3/8 Keyway
30	271180	1	Sprocket, 60B14 7/8
31	274380	1	Pump, Hyd 3.90ci CC Rotation
	589650	-	Seal Kit, Hyd Pump Prince (for 274380)(not Shown)
32	389300	1	Decal, Important Avoid Destruction/Pump
33	413050	10	Clamp, Hose
34	506540	2	Elbow, 90 Deg. 1-5/16ORB x 1-1/16JIC Male
35	530210	2	Adapter, 90° SAE -16 MJIC x -16 MORB
36	530340	1	Valve, Check SAE -10 FORB Inline
37	551510P	3	Adapter, 90° SAE-12 MJIC x -12 MORB
38	584530	1	Mount Wldt, Actuator
39	584690	2	Seal, Slinger 1-1/4
40	585160	1	Adapter, 90° Elbow -8 MJIC x -12 MORB
41	585170	1	Fitting, Hyd SAE -12 MJIC x -12 MJIC Union Tee
42	585200	1	Valve Assy, Hyd 2-Bank (See page 59)
43	585210	1	Valve Assy, 12-VDC Solenoid (See page 59)
44	585220	1	Valve, Flow Divider SAE-12 FORB Ports
45	585230	1	Valve, Relief 2500 PSI SAE -12 FORB
46	585280	1	Mount Wldt, Reservoir GM Hyd 6520
47	585290	1	Tank Assy, Hyd. Reservoir 23 Gal. (See Page 58)
48	585310	1	Fitting, Hyd SAE-20 MORB x -20 Beaded
49	585400	1	Adapter, 90° Elbow SAE-20 Beaded x -16 MORB
50	585410	1	Adapter, 90° Elbow SAE-10 MJIC x -12 MORB
51	585470	2	Fitting, Hyd SAE -12 MORB x -12 MJIC
52	585480	1	Fitting, Hyd Tee SAE-12 FJIC Union
53	585490	2	Fitting, Hyd Tee SAE-12 MJIC x -12 FJIC Run
54	585500	2	Fitting, Hyd SAE -12 MJIC x -10 MJIC Union
55	585510	2	Fitting, Hyd SAE -10 FJIC x -10 FJIC Union

HYDRAULICS SELF CONTAINED- 585940 CONTINUED

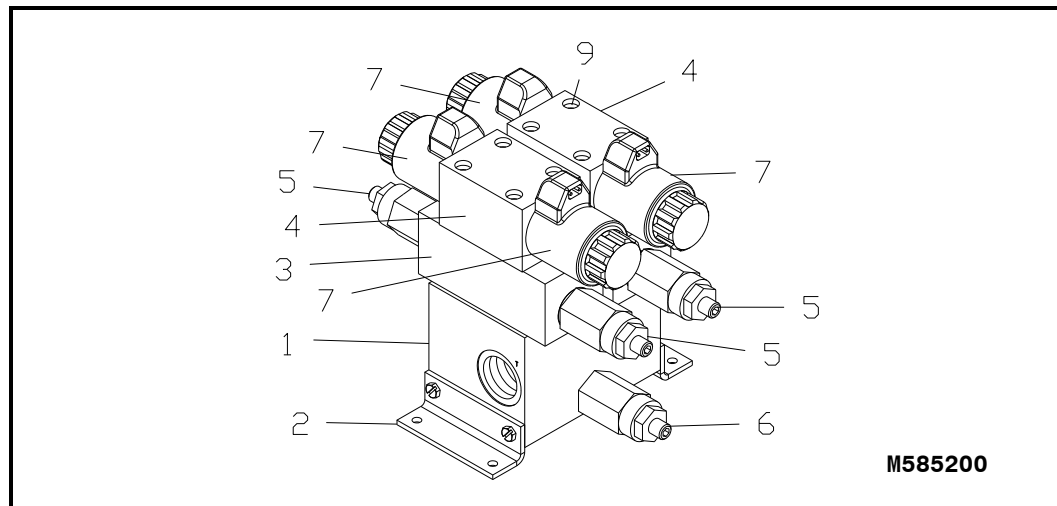
HYDRAULICS SELF CONTAINED- 585940 CONTINUED

Item	Part Number	Qty.	Description
56	585520	1	Fitting, Hyd SAE -12 MJIC x -8 MJIC Union
57	585530	1	Fitting, Hyd SAE -12 MJIC x -6 MJIC Union
58	585610	1	Fitting, Hyd SAE -16 MORB x-12 MJIC
59	585710	1	Control Box, Complete (See page 60)
60	586550	1	Mount Wldt, Hyd Pump 540 RPM
61	586580	1	Hinge Wldt, Hyd Pump 540 RPM
62	586600	1	Bolt Wldt, 1/2-13 x 9-1/4 Full Thread
63	586780	1	Bolt Wldt, 1/2-13 x 9-1/8
64	587170	1	Bracket Wldt, Control Box
65	587300	1	Shield Wldt, Ctr Drive 540 RPM
66	576240	2	Motor, Hyd 9.6 CID 1.25 Shaft 5/16 KW (See Page 46)
67	586440	1	Motor, Hyd 20 CID (See Page 46)
68	589490	4	Bumper, Rubber
69	E096046	8	Bolt, CRG 1/2-13 x 1-1/2 GR5 ZN
70	E672006	2	Bolt, HHCS 1/4-20 x 2 Gr5 Zn
71	HT52-27-1212	2	Adapter, 90° Hyd SAE-12 MJIC x -12 FJIC Swivel
72	HT53-46-1216	1	Connector, Hyd SAE -12 MJIC x -16 MORB
73	I2185062	3	Adapter, Str M7/8 JIC-M7/8 ORB
74	J03H1558	1	Bolt, CRG 3/8-16 x 1-1/2 SSN GR5 ZN
75	J14H605	8	Nut, Hex #8-32 Gr2 Zn
76	MP07.17946	1	Elbow, 90° SAE -8 MORB x -6 MJIC
77	MP09.74127	3	Connector, Hyd SAE -12 MORB x-12 MJIC
78	MP09.74129	2	Tee, Branch SAE -10MORB x -10 MJIC x -10 MJIC
79	MP09.74155	4	Connector, SAE -8 MORB x -8 MJIC
80	MP17.00391	1	Filter, Hydraulic w/Housing
-	MP17.00392	-	Filter, Element Replacement (in MP17.00391)
81	MP32.03794	2	Elbow, 90° SAE -10 MORB x -8 MJIC
82	MP907670	2	Elbow, 90° SAE -10 MORB x -10 MJIC
83	R61564	2	Screw, HSSS 5/16-18 x 1/2 BLO Knurled
84	JN10212	2	Screw, Flg 5/16-18 x 3/4 Hex Zn
85	I117176	1	Fitting, Grease 45° 1/4-28
86	585390	1	Hose Assy, Hyd 1/2 x 30" (non-Auger Feeder Units)
87	585360	2	Hose Assy, Hyd 3/4 x 30" SAE -8 FJIC x -8 FJIC
88	585380	1	Hose Assy, Hyd 3/4 x 20" SAE -12 FJIC x -12 FJIC
89	585540	1	Hose Assy, Hyd 5/8 x 44" SAE -12 FJIC x -12 FJIC
90	585550	1	Hose Assy, Hyd 1/2 x 149" SAE -10 FJIC x -10 FJIC
91	585560	1	Hose Assy, Hyd 1/2 x 170" SAE -8 FJIC x -8 FJIC
92	585570	2	Hose Assy, Hyd 1/2 x 96" SAE -8 FJIC x -8 FJIC
93	585580	1	Hose Assy, Hyd 5/8 x 149" SAE -10 FJIC x -10 FJIC
94	585590	1	Hose Assy, Hyd 5/8 x 245" SAE -10 FJIC x -10 FJIC
95	585600	1	Hose Assy, Hyd 5/8 x 96" SAE -10 FJIC x -10 FJIC
96	585640	1	Hose Assy, Hyd 3/4 x 40" SAE -12 FJIC x -12 FJIC
97	585650	1	Hose Assy, Hyd 3/4 x 60" SAE -12 FJIC x -12 FJIC
98	585660	1	Hose Assy, Hyd 3/8 x 24" SAE -6 FJIC x -6 FJIC
99	585690	1	Hose Assy, Hyd 3/4 x 72" SAE -12 FJIC x -12 FJIC
100	585700	1	Hose Hyd, 1-1/4 x 30" 100R4-20
101	582800	1	Cylinder, Hyd 3x16 Double Acting
-	355350P	-	Seal Kit, Cross Cyl. (for 582800) (Not Shown)

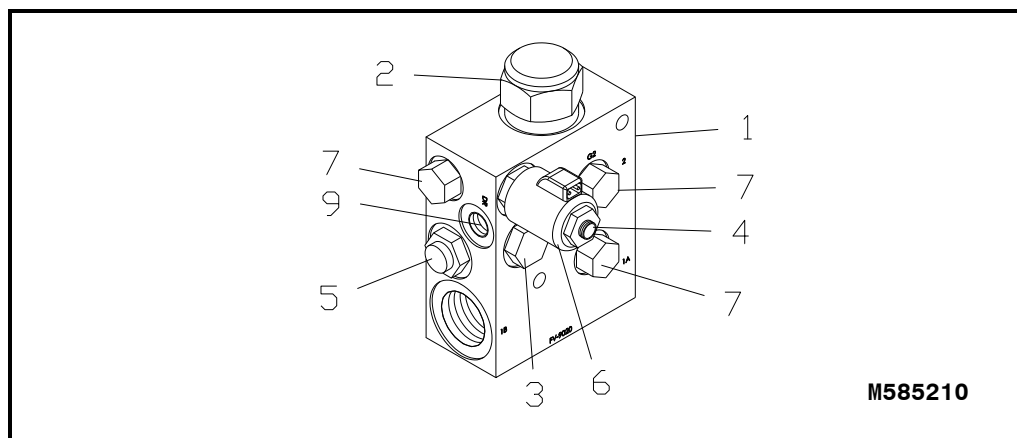
***Note See page 66 for Hydraulic Schematic.**

RESERVOIR TANK ASSEMBLY - 585290

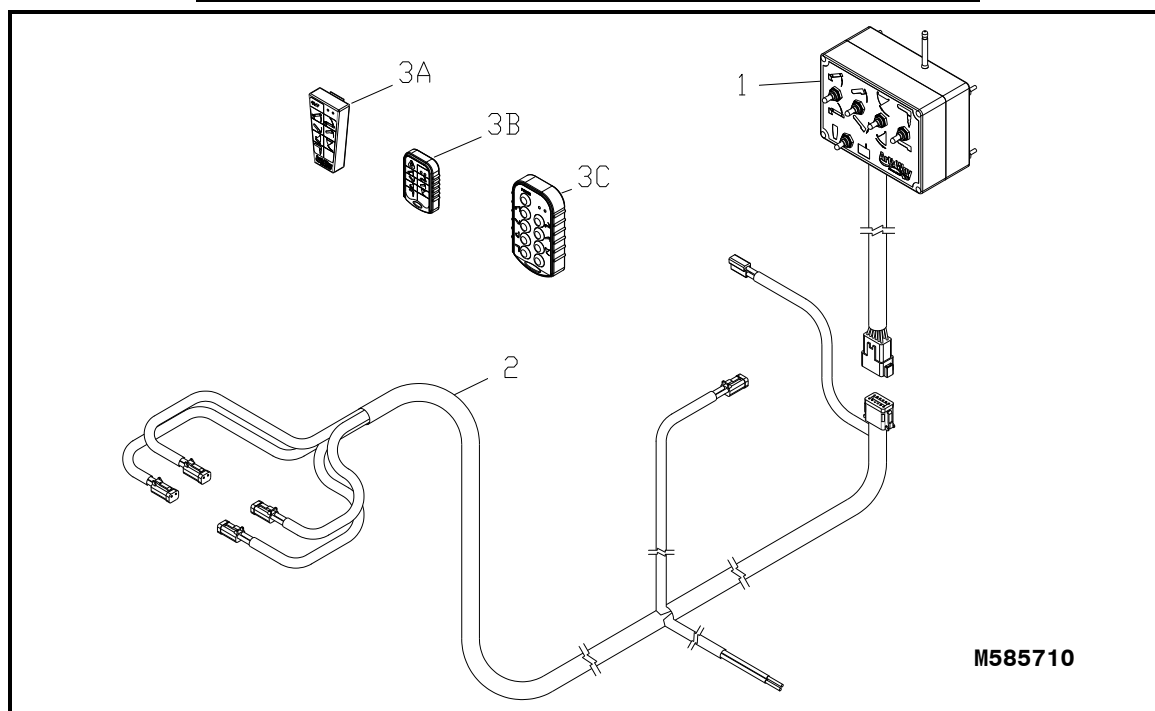
Item	Part Number	Qty.	Description
1	020190	10	Nut, Lock 5/16-18 Hex Flg
2	165880	1	Filler, Breather Filter
3	165960	1	Plug, Magnetic
4	165990	23 gal	Lubricant, Industrial
5	166400	1	Cover, Hydraulic Tank
6	585260	1	Tank Wldt, Hydraulic
7	585450	1	Strainer, Tank Mount
8	961960	-	Permatex, 13 oz. Tube Ultra-Blue
9	P98341	6	Screw, PHTS #10-24 x 1/2 Type 23

HYDRAULIC 2- BANK VALVE ASSEMBLY - 585200

Item	Part Number	Torque	Qty.	Description
1	587730	-	1	Manifold, D03 2-Station Series
2	587740	13 ft.lbs.	1	Feet assembly, Mounting
3	587750	-	2	Body, Sandwich
4	587760	-	2	Spool, D03 Directional Valve Tandem 12-VDC
5	587770	38 ft.lbs.	4	Valve, Flow Control Pressure Compensated
6	587780	37 ft.lbs.	1	Valve, Relief Direct Acting Poppet Type
7	587790	-	4	Coil, Hytos w/Deustch Connector
8	587800	-	-	Seal Kit, Valve Bank 585200 (Not Shown)
9	-	47 in.lbs.	8	Screw, SHCS #10-24 x 3-1/2

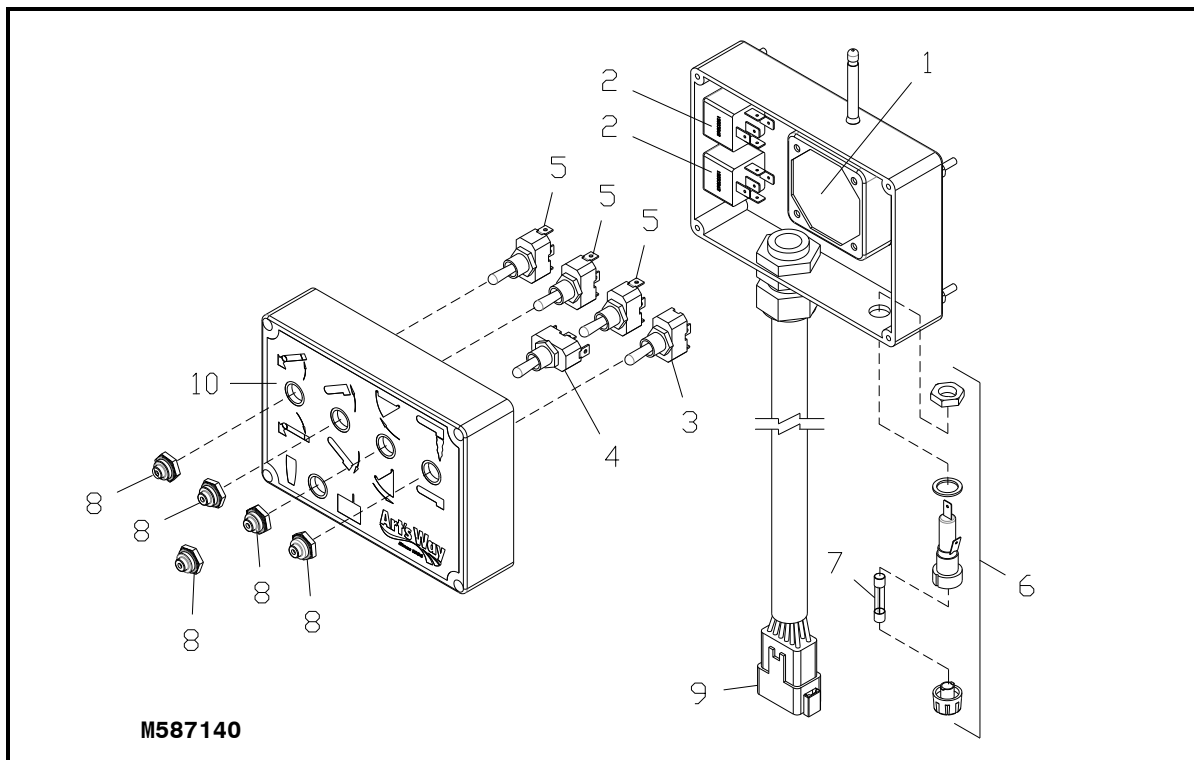
HYDRAULIC MANIFOLD VALVE ASSEMBLY - 585210

Item	Part Number	Torque	Qty.	Description
1	589680	-	1	Manifold, Body Aluminum
2	589690	90 ft.lbs.	1	Valve, Relief Style Logic Element 80 PSI
3	589700	25 ft.lbs.	1	Plug, Cavity
4	589710	30 ft.lbs.	1	Valve, Solenoid 2-Pos. 2-Way Normally Open
5	589720	30 ft.lbs.	1	Valve, Flow Control Pressure Compensated
6	589730	-	-	Coil, P-Series w/Deustch Conn.12VDC(in 589710)
7	MP19.872674	225 in.lbs.	3	Plug, External Hex SAE -6 ORB
8	589740	54 in.lbs.	2	Plug, Internal SAE -2 ORB
9	589750	-	1	Plug, Internal 1/16 NPTF Dry Seal
10	589760	-	-	Seal Kit, Manifold Valve 585210 (Not Shown)

CONTROL BOX, COMPLETE SYSTEM W/OVERRIDE - 585710

Item	Part Number	Qty.	Description
1	587140	1	Control Box, w/Override & 4' Wire Harness
2	587150	1	Harness, Wire Valve & Actuator
3A	584670	1*	Transmitter, Mini RF 8-Button w/Label(Battery Operated)
	585370	-	Label, Mini-Transmitter 8-Button
3B	588480	1*	Transmitter, Micro RF 8-Button w/Label (Rechargeable)
	588490	-	Label, Micro-Transmitter 8-Button
3C	589660	1*	Transmitter, Macro RF 8-Button w/Label (Rechargeable)
	589670	-	Label, Macro-Transmitter 8-Button

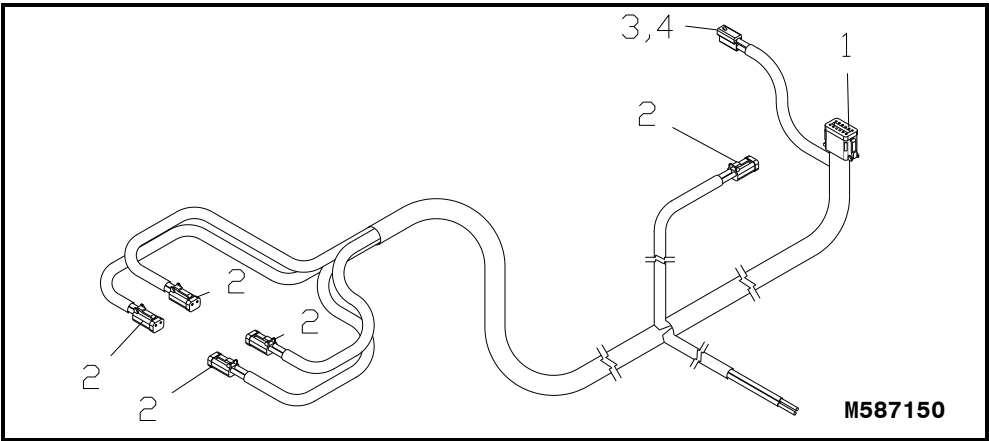
***Note: One style of Transmitter is supplied with each system.**

CONTROL BOX W/OVERRIDE & 4' WIRE HARNESS - 587140

Item	Part Number	Qty.	Description
1	587160	1	Receiver, RF 8-Output Kar-Tech
2	589950	2	Relay, 12V SPDT 40/20 Amp 5-Terminal #75413
3	589960	1	Switch, Toggle On-Off SPDT #44252
4	589970	1	Switch, Toggle On-On SPDT #44252
5	589980	3	Switch, Toggle Momentary (On)-Off-(On) SPDT #44252
6	589990	1	Holder, Fuse 1/4" Push-on Terminals
7	590410	1	Fuse, Glass AGC 30Amp #46130
8	212470	5	Seal, Toggle Switch
9	590430	1	Connector Kit, Deutsch DT04-12P (page 63)
10	588470	-	Label, Control Box Complete 6520 GM

***Note See page 67 for Electrical Schematic.**

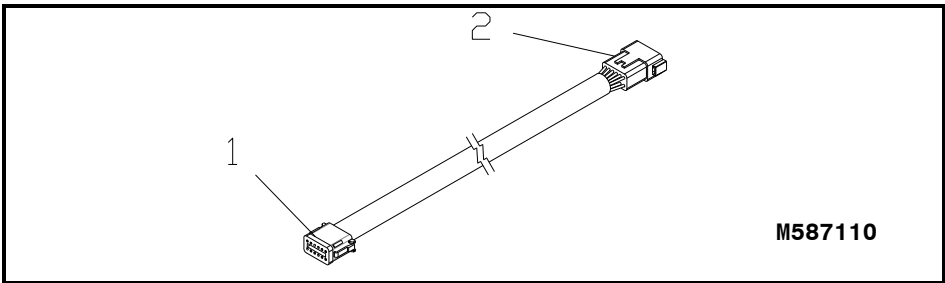
HARNESS, WIRE VALVE & ACTUATOR - 587150



Item	Part Number	Qty.	Description
1	590420	1	Connector Kit, Deutsch DT06-12S w/Terminals (page 63)
2	590440	5	Connector Kit, Deutsch DT06-2S w/Terminals (page 63)
3	E376001	1	Insulator, Connector Male Packard
4	E192016	2	Terminal, Female 14-16 Ga.

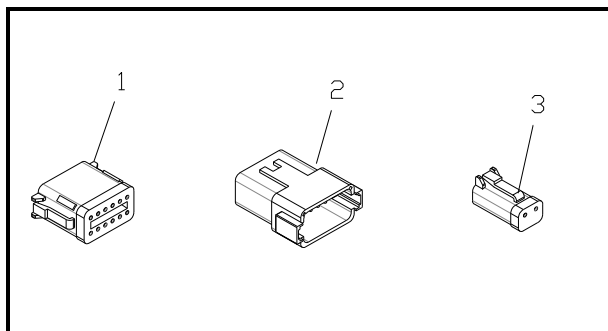
***Note See page 67 for Electrical Schematic.**

HARNESS, WIRE 20 FT. EXTENSION- 587110

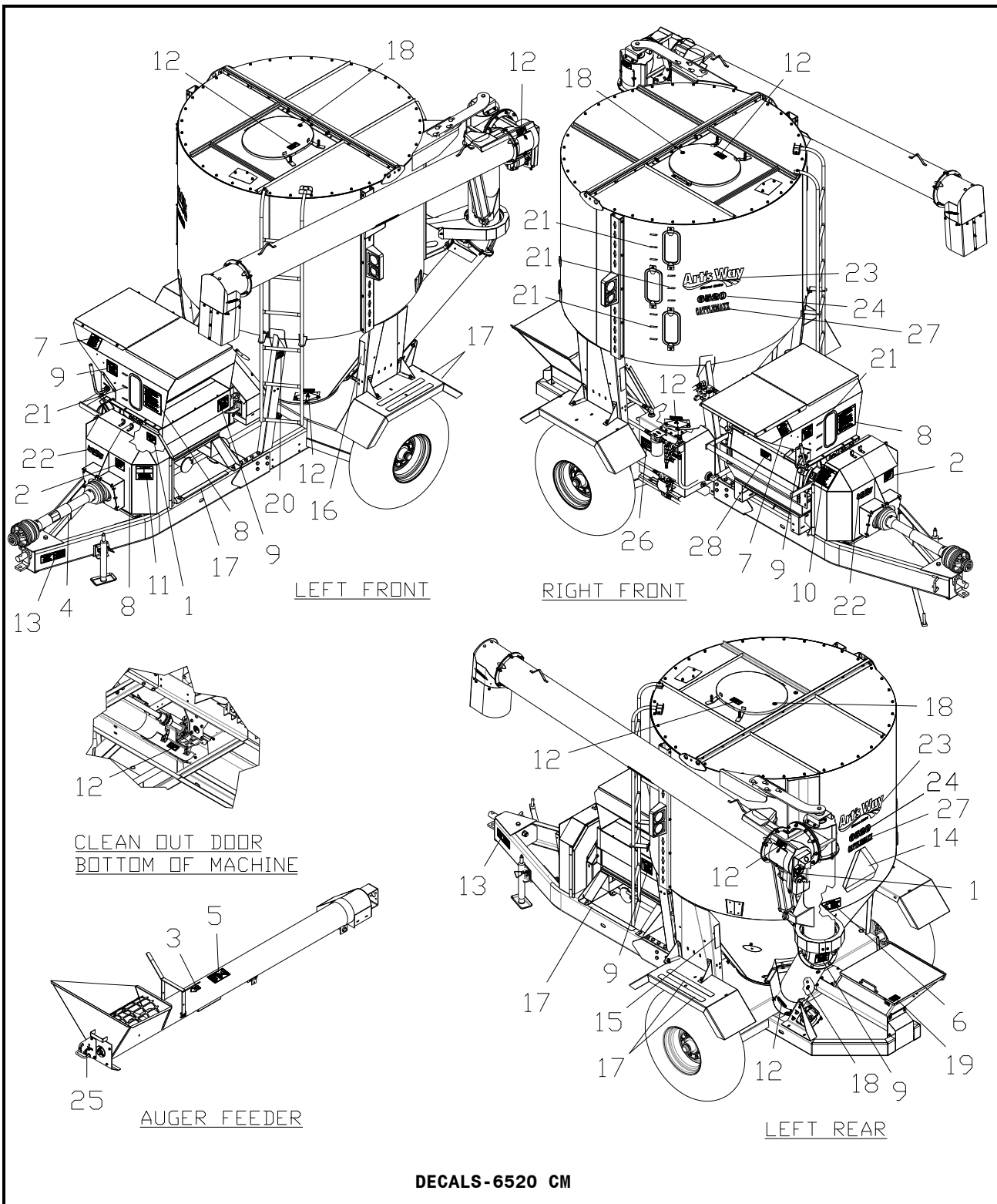


Item	Part Number	Qty.	Description
1	590420	1	Connector Kit, Deutsch DT06-12S w/Terminals (page 63)
2	590430	1	Connector Kit, Deutsch DT04-12P w/Terminals (page 63)

Note: 20 ft. Wire Harness Extension can be used with 585710, Control Box w/Override to allow operation from tractor . See page 68 for Electrical Schematic.

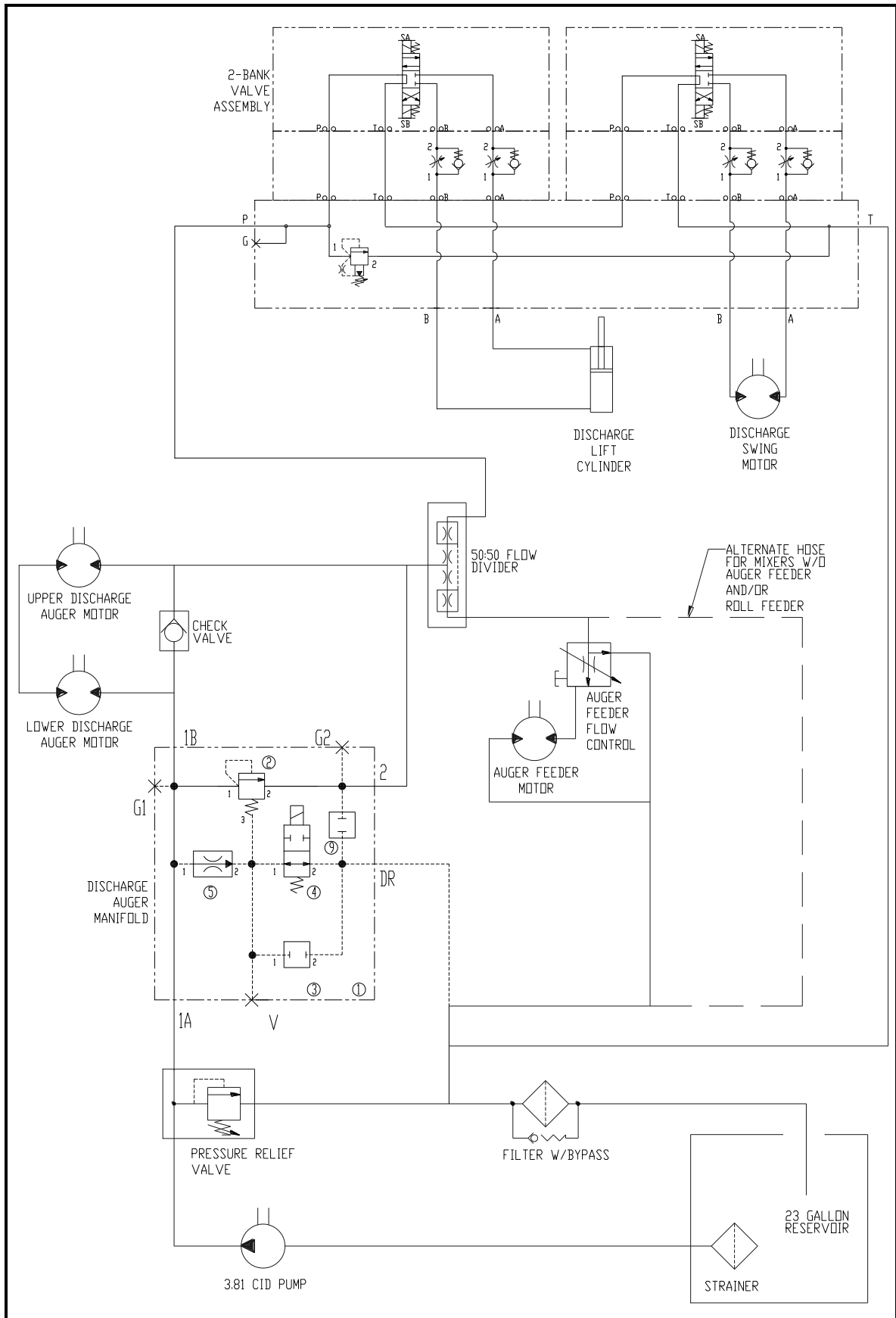
DEUTSCH CONNECTORS KITS

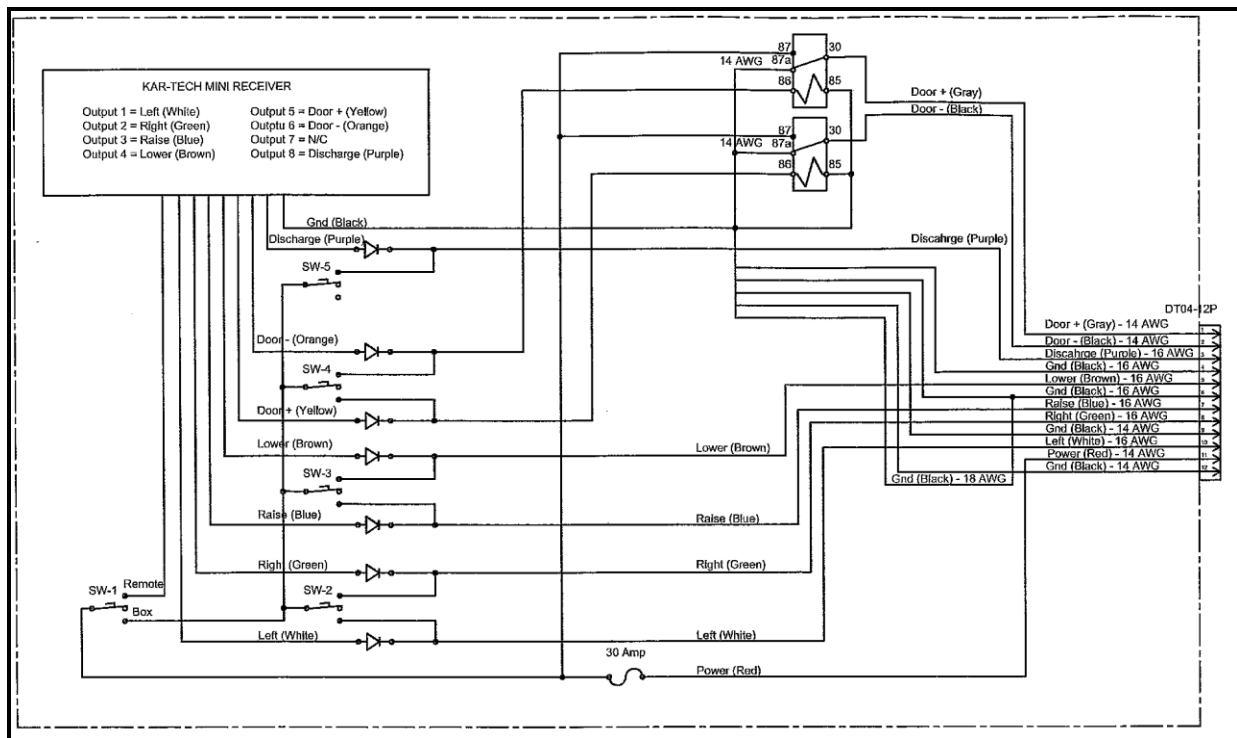
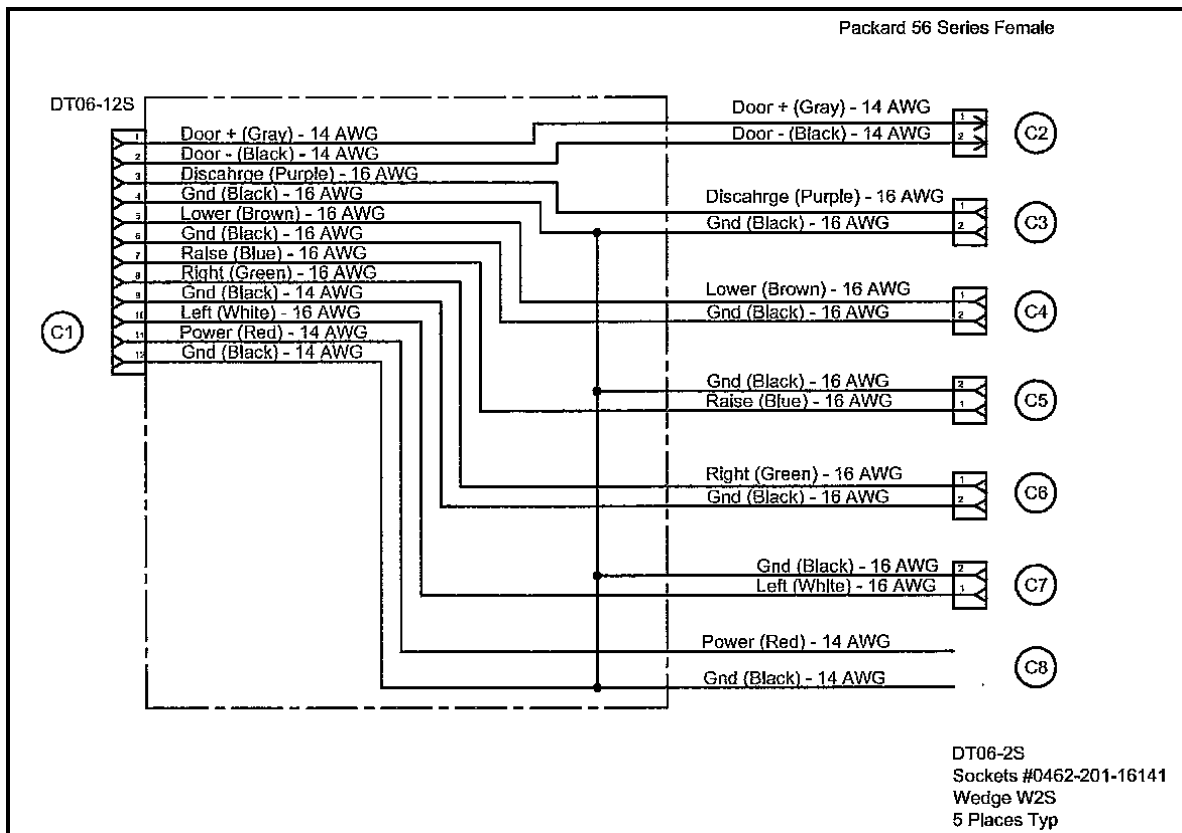
Item	Part Number	Qty.	Description
1	590420	RF	Connector Kit, Deutsch DT06-12S w/Terminals
-	590470	1	Connector, Deutsch DT06-12S
-	590520	1	Wedge, Lock W-12S
-	590580	10	Terminal, Socket 0462-202-16141
2	590430	RF	Connector Kit, Deutsch DT04-12P w/Terminals
-	590480	1	Connector, Deutsch DT04-12P
-	590530	1	Wedge, Lock W-12P
-	590570	10	Terminal, Pin 0460-202-16141
3	590440	RF	Connector Kit, Deutsch DT06-2S w/Terminals
-	590490	1	Connector, Deutsch DT06-2S
-	590540	1	Wedge, Lock W-2S
-	590580	2	Terminal, Socket 0462-202-16141

PAIN T & DECALS

PAINT & DECALS

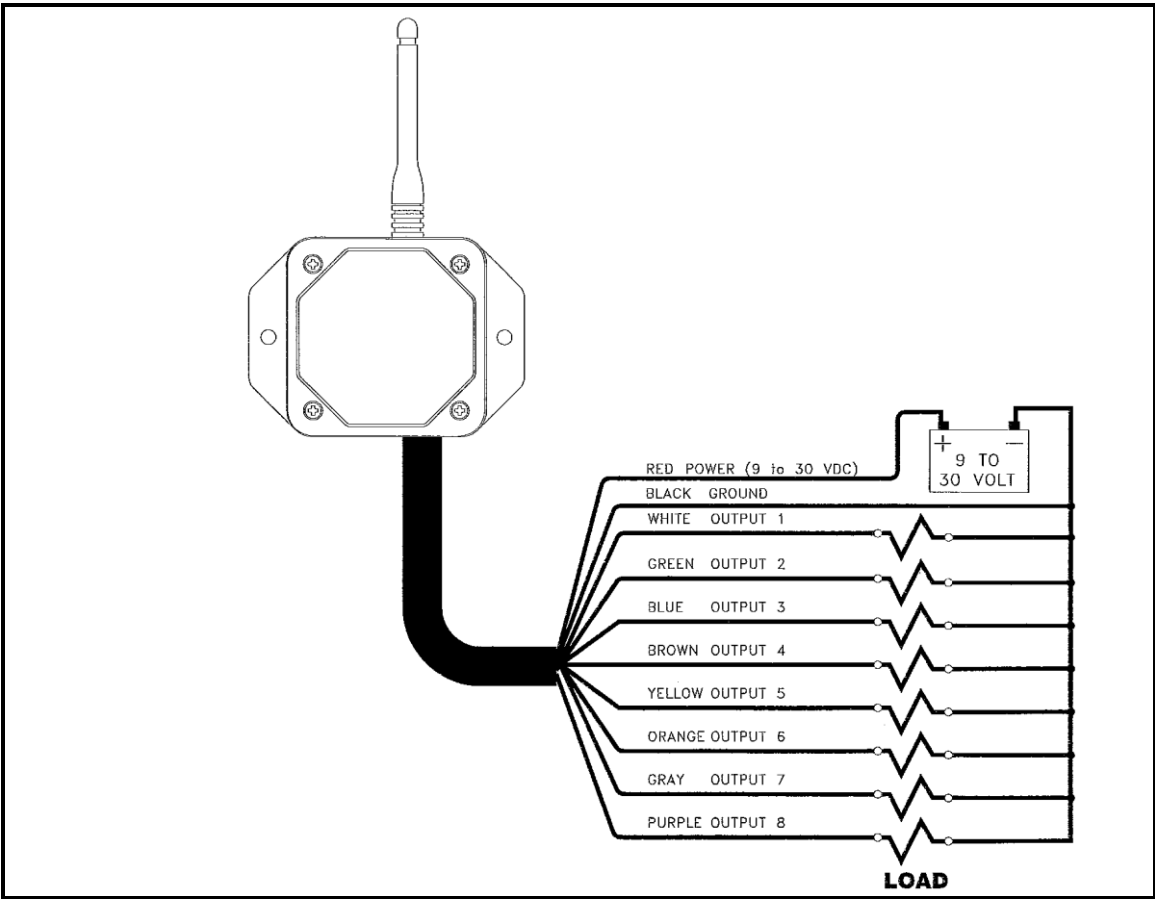
Item	Part Number	Qty.	Description
1	467430	3	Decal, Danger Shield Missing
2	384020	1	Decal, Danger 1000 RPM PTO
3	158520	1	Decal, Auger Feeder Stop
4	268860	1	Decal, Danger Rotating Drive Line
5	383990	1	Decal, Danger Auger Feeder
6	384000	1	Decal, Danger Electrocution Hazard
7	383320	1	Decal, Attention Remove Foreign Material
8	417250	1	Decal, Roller Mill Operation
9	467450	2	Decal, Moving Part Hazard
10	368040	1	Decal, Caution Safety Instructions
11	346310	1	Decal, Warning High Pressure Fluid Hazard
12	377280	7	Decal, Caution Do Not Open
13	383970	1	Decal, Caution Hitch Instructions
14	E224038	1	Decal, Caution SMV
15	476450	2	Reflector, Red
16	476460	1	Reflector, Yellow
17	117720	3	Tape, Anti-Skid
18	146670	5	Decal, Grease Symbol
19	212350	1	Decal, Supplement Instructions
20	355500	1	Tag, Serial No. Finished
	204510	4	Nail, 1/4" Grip
21	529400	4	Decal, Tank Window Dash
22	582420	1	Decal, Art's Way logo 7.0" Black/Silver
23	582430	2	Decal, Art's-Way Logo 20.1 Cream/Silver
24	584950	2	Decal, 6520 Grinder Mixer
25	586320	1	Decal, Decal, AF Latch 'Lock-'Unlock'
26	389300	1	Decal, Important Avoid Destruction/Pump
27	529390	2	Decal, CattleMaxx
28	P99846	1	Decal, Adjusting Feed Flow
-	043121P	-	Paint, Art's-Way Green – 16 oz. Spray Can
-	153090P	-	Paint, Off-White – 16 oz. Spray Can

6520 SELF-CONTAINED HYDRAULIC SCHEMATIC

6520 SELF-CONTAINED ELECTRICAL SCHEMATIC**CONTROL BOX WITH 4 FT. WIRING HARNESS P/N 587140****WIRING HARNESS P/N 587150**

6520 SELF-CONTAINED ELECTRICAL SCHEMATIC

RECEIVER RF 8-OUTPUT P/N 587160



HARNESS, EXTENSION 20 FT. (OPTION) P/N 587160

DT06-12S			DT04-12P		
1	Door + (Gray) - 14 AWG		1	Door + (Gray) - 14 AWG	
2	Door - (Black) - 14 AWG		2	Door - (Black) - 14 AWG	
3	Discharge (Purple) - 16 AWG		3	Discharge (Purple) - 16 AWG	
4	Gnd (Black) - 16 AWG		4	Gnd (Black) - 16 AWG	
5	Lower (Brown) - 16 AWG		5	Lower (Brown) - 16 AWG	
6	Gnd (Black) - 16 AWG		6	Gnd (Black) - 16 AWG	
7	Raise (Blue) - 16 AWG		7	Raise (Blue) - 16 AWG	
8	Right (Green) - 16 AWG		8	Right (Green) - 16 AWG	
9	Gnd (Black) - 14 AWG		9	Gnd (Black) - 14 AWG	
10	Left (White) - 16 AWG		10	Left (White) - 16 AWG	
11	Power (Red) - 14 AWG		11	Power (Red) - 14 AWG	
12	Gnd (Black) - 14 AWG		12	Gnd (Black) - 14 AWG	



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Always give the Machine Name, Model, and Serial Number so your local dealer can provide the correct manuals for your machine.

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