



MV/MSV V-Box

Service and Parts Manual



Monroe Snow & Ice Control
A Division of Monroe Truck Equipment

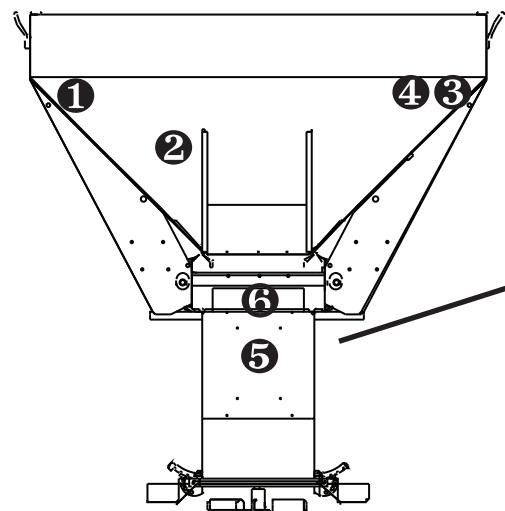
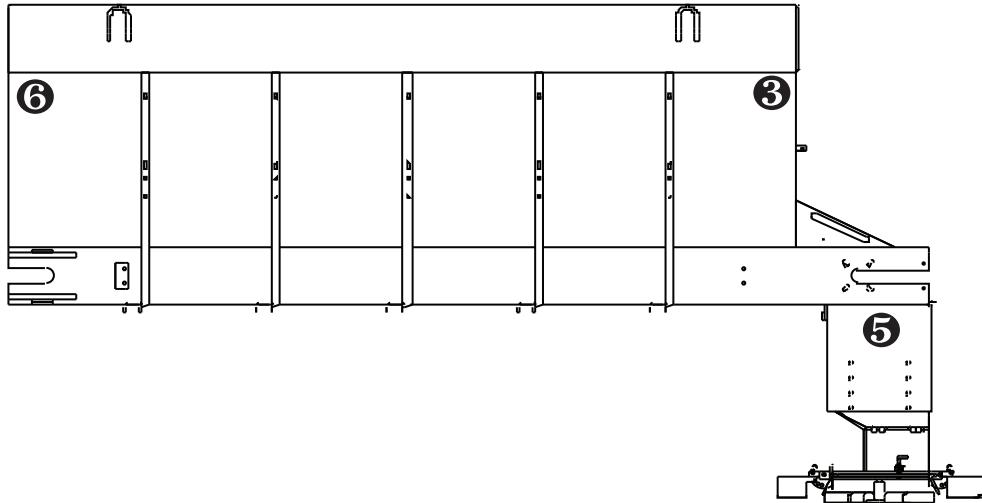
**1051 W. 7th Street
Monroe, WI 53566
Phone: 608-328-8127
Fax: 608-329-8488
Website: www.monroetruck.com**

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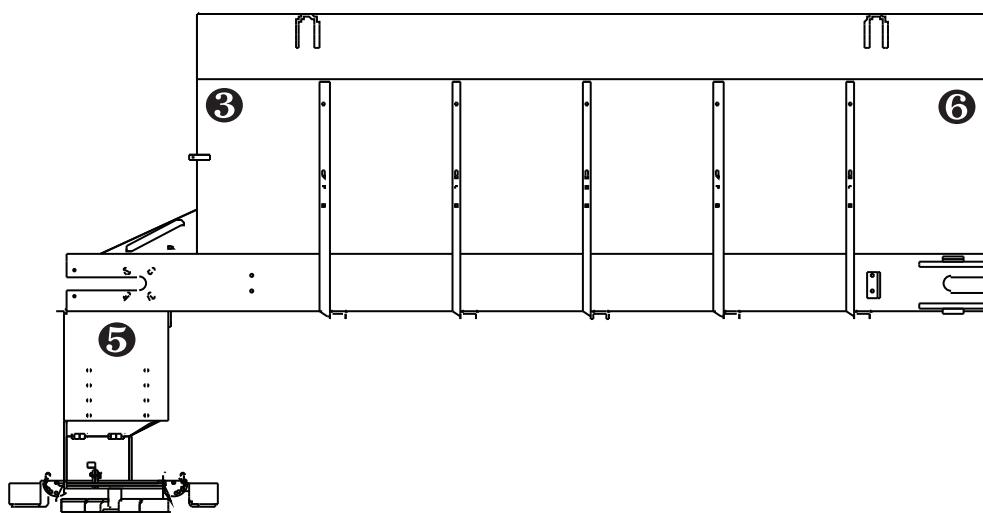
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SAFETY DECAL LOCATIONS



Denotes the location of the parts manual, canister and canister bracket. Reorder with the following part numbers:

05050758 Parts Manual
05052330 Canister
05052331 Canister Bracket



SAFETY DECALS



Should you ever need replacement decals or parts/maintenance manuals, simply contact MTE and we will supply you with them FREE OF CHARGE. See page 162 for safety decal replacement part numbers.

SAFETY DECAL SIGNAL WORDS



DANGER (Red) indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING (Orange) indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION (Yellow) indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



CAUTION (Yellow) used without the safety risk alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

SAFETY INSTRUCTIONS

- Read all installation, safety and maintenance instructions completely before operating this equipment.
- Keep all personnel clear of moving parts while equipment is being operated.
- Do not operate equipment in need of maintenance! Repair immediately!
- While operating this equipment, use common sense, use caution, be alert and be safety-conscious.
- Do not race the engine while unloading.

MAINTENANCE INSTRUCTIONS

CAUTION: Always replace shields and covers when maintenance is complete.

- Allow hydraulic system to warm up before using.
- Maintain a $\frac{3}{4}$ full reservoir using high grade non-foaming oil.
- Avoid getting contaminants in reservoir when filling.
- Replace filter cartridge with new cartridge at least twice a year and more often if necessary.
- Clean quick disconnects before taking apart or connecting.
- Lubricate all fittings on a regular basis. Refer to chart below.
- The grease fittings are located as follows:
Conveyor Bearings 3 fittings
Rear Gate Jack 2 fittings
6:1 Gearbox 4 fittings
- Protect quick disconnects while in use and after taking apart with oily rag or other suitable protection.
- All bearings require periodic greasing and more frequent greasing during periods of greater use.
- Greasing pump shaft u-joints and slip end of pump shaft is recommended with each truck lubricating.
- Gearboxes should be checked for proper lubrication level, and SAE 90 gear type lubricant added if necessary.
- Rinsing down and cleaning spreader after each use, and repainting or oiling after each season, will greatly prolong spreader life.
- Spreader trough or hopper should be kept empty to prevent materials from freezing around conveyor (or roll) in severe cold weather.
- Gearbox vents, when supplied, should be kept open at all times, or damage may result to seals.
- A coating of grease on spreader drag chain take-up bolts is recommended for easier chain adjustment.
- Drive chains and drag chains should be checked for slack after initial start up and frequently thereafter. If the distance between the center line of rear sprocket and the point where chain contacts lower flange on longmember is less than 30" tighten as necessary. The length of the adjuster spring should be 5" when chain is at proper tension. Tighten chain, check length of spring, run unit and re-check and re-tighten again if necessary.

HYDRAULIC TROUBLE SHOOTING CHART

CONDITION 1 Pump cavitation recognized by excessive noise. CAUSE <ul style="list-style-type: none">• Air entering system through suction lines.• Suction line kinked, twisted or too long.• Inadequate size suction line.• Oil too heavy.• Excessive pump speed. Normal pump speed 1200 to 1500 RPM. CORRECTION <ul style="list-style-type: none">• Check line from reservoir for possible leaks.• Install suction line as short and straight as possible.• Increase suction line size.• Drain and replace with a low viscosity non-detergent oil.• Pump capacity is 16 GPM at 1000 RPM. Decrease PTO speed accordingly.	CONDITION 2 Erratic operation of conveyor and/or spinner. CAUSE <ul style="list-style-type: none">• Low oil.• Worn or defective motor.• Dirty, worn or defective flow control valve.• Plugged filter.• Relief valve setting too low.• Pump cavitation.• Air vent on reservoir tank is blocked. CORRECTION <ul style="list-style-type: none">• Fill reservoir to a $\frac{3}{4}$ full level.• Repair or replace motor.*• Clean, repair or replace flow control.*• Replace filter element and clean filter.• Adjust relief valve for 1500 PSI.• Refer to pump section.• Clean or replace vent cap to admit atmospheric pressure to inside of the tank.
CONDITION 3 Slow operation of conveyor and/or spinner. CAUSE <ul style="list-style-type: none">• Worn or defective pump.• Worn or defective motor.• Pump cavitation.• Insufficient pump speed. CORRECTION <ul style="list-style-type: none">• Repair or replace pump.*• Repair or replace motor.*• Refer to pump section.• Pump capacity is 16 GPM at 1000 RPM.	CONDITION 4 Conveyor and/or spinner will not operate. CAUSE <ul style="list-style-type: none">• Quick disconnects are dirty, damaged, or improperly connected.• Hose connections wrong.• Foreign material in valve compensator. CORRECTION <ul style="list-style-type: none">• Clean or replace and properly connect.• Refer to illustration.• Remove compensator and clean.

INSTALLATION INSTRUCTIONS

PERMANENT CHASSIS MOUNT

1. Hardwood wear strips usually 1 x 3 (not furnished) must be fitted to the truck chassis.
2. The V-Box should be positioned on the wooden wear strips so that a distance of approximately 6" should be left between the truck cab and the front of the V-Box. This will help facilitate any future servicing of the conveyor chain.
3. Parts of some side gussets may have to be cut out to clear the truck tires.
4. Hardware kits for permanent mount V-Boxes are used to attach the V-Box to the truck chassis.
5. **DO NOT** weld mounting angles to the truck frame. Doing so can cause fatigue-cracking of the truck frame.

SLIP-IN V-BOXES

1. Remove and store the dump box tailgate.
2. Place the V-Box in the dump body and push as far forward as possible. Longmembers must overhang the rear by approximately 22". If the dump body is not flat, it is suggested that the V-Box be placed on two 1 x 6 hardwood boards. This will help to evenly distribute the weight of the loaded V-Box on all of the cross channels.
3. The spinner assembly is slid into place on the rear of the spreader. The top flanges of the spinner extension box rest on top of the bottom flanges of the spreader main and can be slid into place. Use the 4 bolts to attach the spinner to the v-box.
4. The four optional tie-down bolts are hooked into the holes in the body side gussets (two on each side). The tie-down clips are slipped under the rail of the dump box and the nut and jam nut tightened.

NOTE: If swing-up spinner is used, longmembers must overhang rear of dump body a minimum of approximately 22".

OPERATING INSTRUCTIONS

CAUTION:

- When starting up new equipment, be sure everyone is standing clear, watch for anything that may require shutting system down.
- Be sure lever on valve is moved completely to OFF position before working in or around spreading equipment.

INITIAL START UP:

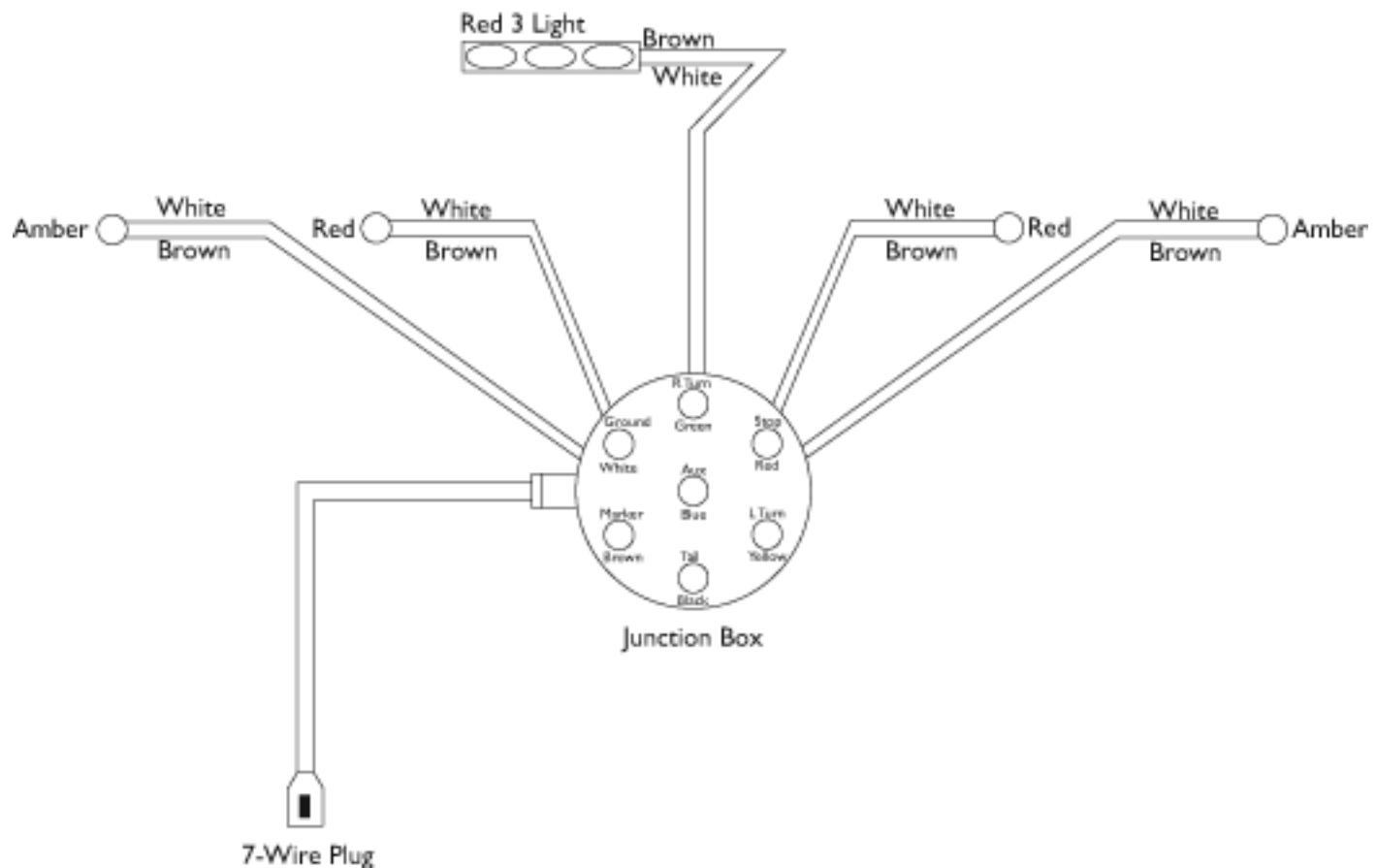
1. Fill reservoir about $\frac{3}{4}$ full with high-grade non-foaming hydraulic oil. KEEP OIL CLEAN!
2. Move valve on-off lever to OFF position.
3. Open conveyor and spinner knobs on valve.
4. Engage PTO and allow hydraulic oil to circulate several minutes to warm up.
5. Move valve on-off lever to ON position.
6. Check entire hydraulic system for leaks.
7. Examine conveyor and spinner to see if they are running in right direction.
8. Fill reservoir to $\frac{3}{4}$ full.
9. Hydraulic system is ready for use.

SPREADER OPERATION:

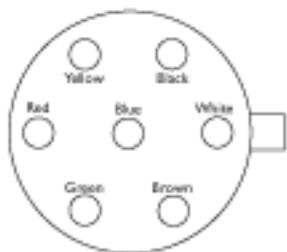
1. Start truck engine and allow hydraulic system to warm up by shutting off spinner and conveyor knobs and moving on-off lever to ON position.
2. Turning the knob marked "spinner" counter-clockwise will increase the spinner speed and width of spread.
3. Turning the knob marked "conveyor" counter-clockwise will increase the conveyor speed and thus the amount of material spread.
4. The gate on the rear of the box will also allow more material to pass to the spinner when opened wider.
5. The spread pattern can be controlled by rotating the entire spinner chute assembly 180° . If the material is dropped on the front of the disc it will be spread behind and to the right of the truck. If material is dropped on the rear of the disc it will be spread behind and to the left of the truck. The baffles inside the assembly will also further control the pattern left to right. Experimenting with the different positions will help to adjust the spread pattern as desired.
6. The control valve may be turned on and off or adjusted while truck is in motion.
7. Spinner and conveyor may be stopped at the same time without changing their valve settings by moving the on-off lever to OFF position.

WIRING SCHEMATIC

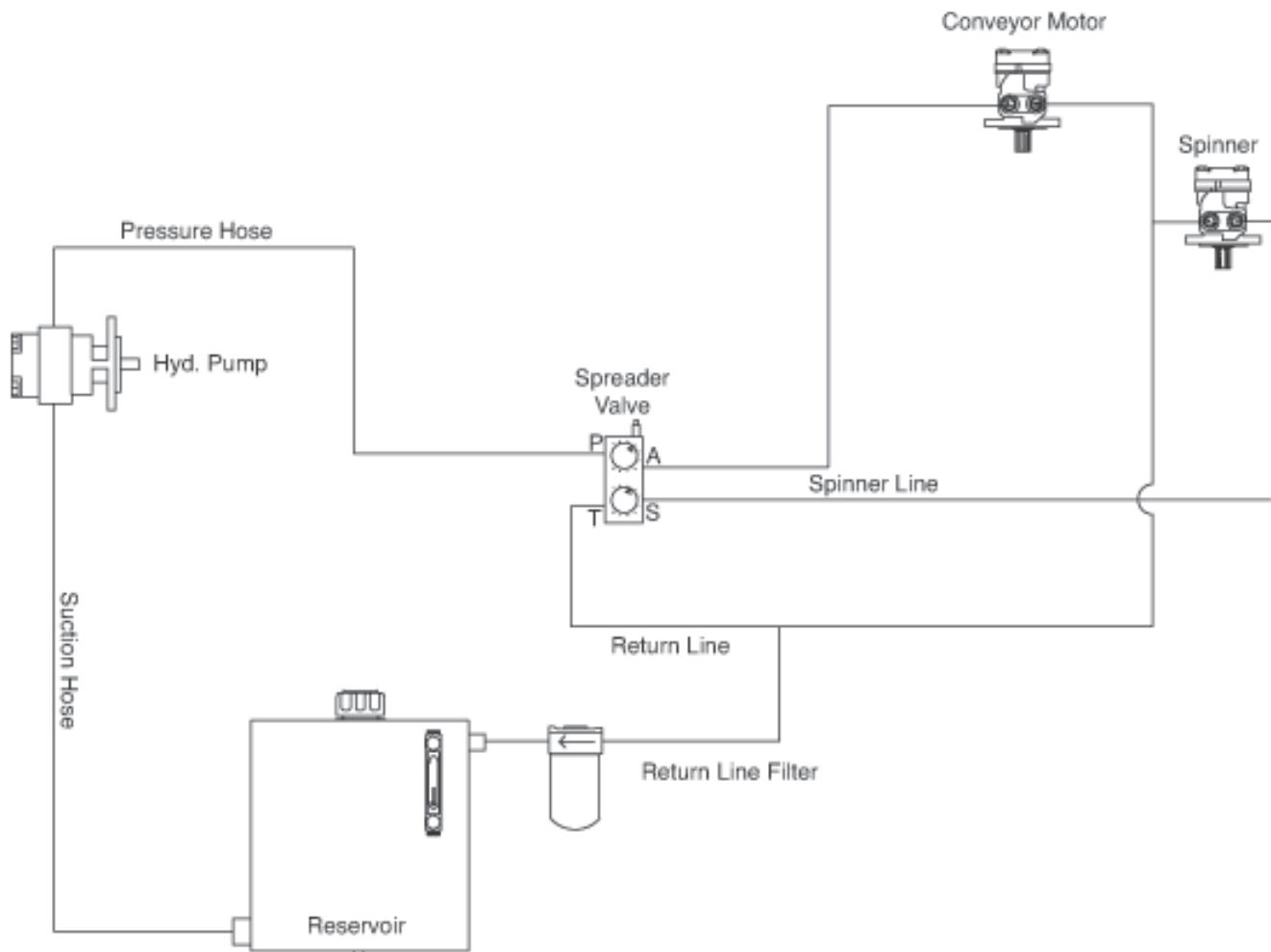
Install the lights and connect the wiring using the diagram below.



Matching View
Cole Hersee Plug



HYDRAULIC SCHEMATICS



V-BOX SPECIFICATIONS

A standard MSV V-Box (Brute Model) includes:

- Replaceable chain covers
- A tip-up chute assembly
- $\frac{3}{8}$ " thick flites on the conveyor chain
- 2" drive and idler shafts and bearings

A standard MV V-box (Performer Model) includes:

- Formed chain covers
- A bolt-on chute assembly
- $\frac{1}{4}$ " thick flites on conveyor chain
- $1\frac{1}{2}$ " drive and idler shafts and bearings

Both models typically have:

- 7 GA longmembers and floors, or troughs
- 10 GA hopper and side gussets

V-BOX INFO / EXPLANATION

MSV 96-84-50 12/10, MS
 ↑ ↑ ↑ ↑ ↑ ↑
 1 2 3 4 5 6 7

1. Model Type - MV or MSV
2. Length of V-Box (inches)
3. Width of V-Box (inches)
4. Height of V-Box (inches)
5. Hopper material thickness (gauge)
6. Longmember material thickness (gauge)
7. Material Type, MS - Mild Steel
 409 SST - 409 Stainless Steel
 304 SST - 304 Stainless Steel

ABBREVIATIONS

FR - Front
RR - Rear
SST - Stainless Steel
MS - Mild Steel
RH - Right Hand
LH - Left Hand
GA - Gauge
ID - Inside Diameter
OD - Outside Diameter
KW - Key way
CRG - Carriage (Bolt)
C&W - Cad & Wax

MOTOR SPECIFICATIONS

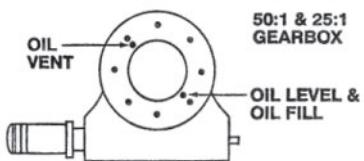
White Motor Specifications

Code	Displacement in ³ /rev (cm ³ /rev)	Max Speed RPM		Max Flow GPM (LPM)		Max Torque lb-in (Nm)			Pressure ΔPSI (ΔBar)			
						Cont.	Inter.	Cont.	Inter.	*Stall	Cont.	Inter.
		Cont.	Inter.	Cont.	Inter.	Cont.	Inter.	Cont.	Inter.	*Stall	Cont.	Inter.
03	3.2 (52)	680	830	10 (38)	12 (45)	1200 (135)	1400 (158)	885 (100)	3000 (207)	3500 (241)	4000 (276)	
04	4.6 (76)	670	950	14 (53)	20 (76)	1700 (191)	1975 (222)	1370 (155)	3000 (207)	3500 (241)	4000 (276)	
05	5.4 (89)	680	840	16 (61)	20 (76)	2000 (225)	2400 (270)	1670 (189)	3000 (207)	3500 (241)	4000 (276)	
06	6.8 (111)	680	850	20 (76)	25 (95)	2650 (298)	3100 (349)	2315 (261)	3000 (207)	3500 (241)	4000 (276)	
08	7.7 (127)	580	740	20 (76)	25 (95)	3000 (338)	3500 (394)	2560 (289)	3000 (207)	3500 (241)	4000 (276)	
10	10.0 (164)	460	580	20 (76)	25 (95)	3975 (448)	4550 (512)	3530 (397)	3000 (207)	3500 (241)	4000 (276)	
12	12.5 (205)	370	460	20 (76)	25 (95)	5050 (569)	5800 (653)	4520 (509)	3000 (207)	3500 (241)	4000 (276)	
14	15.5 (254)	290	370	20 (76)	25 (95)	6250 (704)	7100 (799)	5985 (674)	3000 (207)	3500 (241)	4000 (276)	
18	17.9 (293)	250	320	20 (76)	25 (95)	7200 (811)	8250 (929)	6915 (779)	3000 (207)	3500 (241)	4000 (276)	
24	24.9 (409)	180	230	20 (76)	25 (95)	8400 (946)	9050 (1019)	7850 (887)	2500 (172)	2750 (189)	3000 (207)	

* Stall torque measured at 1 RPM at continuous pressure per SAE J746b.

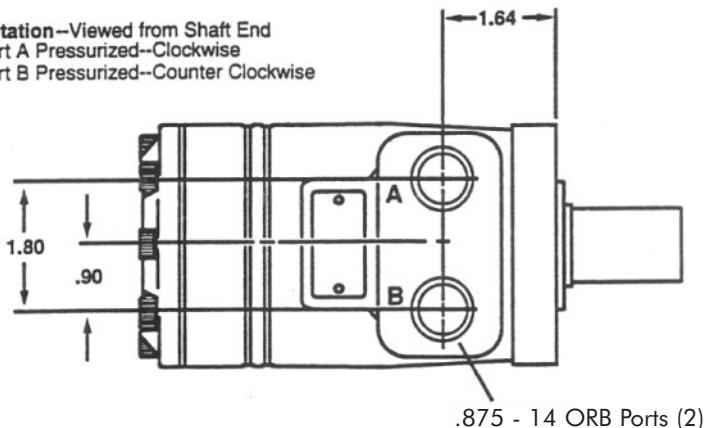
WARNING

THE OIL LEVEL MUST BE CHECKED BEFORE PLACING THE UNIT INTO OPERATION! OIL LEVEL SHOULD BE CHECKED PERIODICALLY THEREAFTER.



Ambient Temperature	Lubricant
-20° to 0° F	SAE 10W/30 or 10W/40 Automotive Oil
0° to 40° F	SAE 80 Gear Oil with Anti-Foaming Agent
40° to 100° F	SAE 90 Gear Oil with Anti-Foaming Agent
100° to 150° F	SAE 140 Gear Oil with Anti-Foaming Agent

Rotation—Viewed from Shaft End
Port A Pressurized—Clockwise
Port B Pressurized—Counter Clockwise



GENERAL INFORMATION

- All references to right or left pertain to the spreader as viewed from the rear of the truck, looking in the direction of travel.
- Delivery of replacement parts is subject to our sales delivery terms.
- Use only **Monroe Truck Equipment** O.E.M. replacement parts. Failure to do so will void warranty.
- Replacement parts in this manual reflect our most common spreader items. If you do not find the part you require, please call your distributor.
- **Monroe Truck Equipment** reserves the right to make revisions or alterations to this parts manual.

TORQUE CHART

SIZE	GRADE 2	GRADE 5	GRADE 8
1/4-20	50 IN-LBS	75 IN-LBS	9 FT-LBS
3/8-16	15 FT-LBS	23 FT-LBS	35 FT-LBS
1/2-13	35 FT-LBS	55 FT-LBS	80 FT-LBS
5/8-11	75 FT-LBS	110 FT-LBS	170 FT-LBS
3/4-10	130 FT-LBS	200 FT-LBS	280 FT-LBS
1-8	190 FT-LBS	480 FT-LBS	680 FT-LBS
1 1/4-7	380 FT-LBS	840 FT-LBS	1,360 FT-LBS

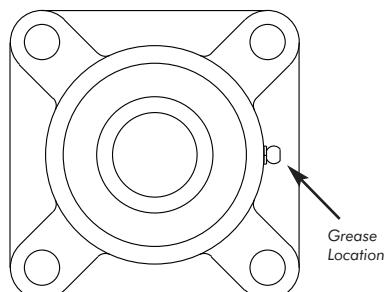
LUBRICATION

LUBRICATION

All bearing units are factory prelubricated and, therefore, do not require supplemental grease before service life begins. Relubrication, when administered correctly, can increase the life of a bearing substantially. We recommend the following general guidelines to maximize your bearing life:

RPM	Temperature	Environmental Condition	Interval
100 500 1,000	32°F-120°F 32°F-150°F 32°F-210°F	Clean Clean Clean	6-12 months 2-6 months 2 wks to 2 months
1,500 Any	Over 210°F 32°F-150°F	Clean Dirty	Daily to weekly Weekly to monthly
Any Any	Over 150°F Any Temp.	Dirty Very Dirty	Daily to 2 wks Daily to weekly
Any	Any Temp.	Extremely Dirty	Daily to weekly

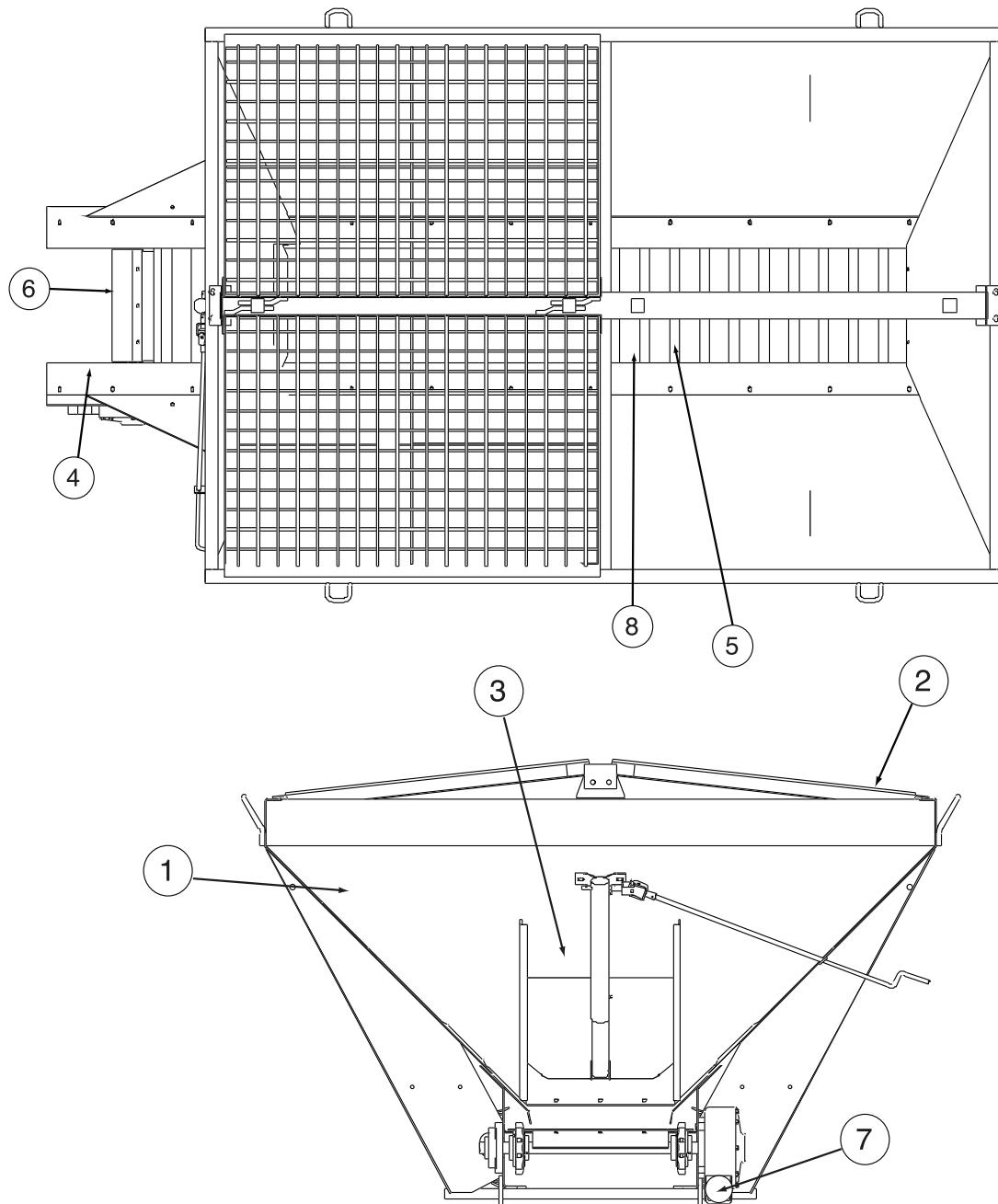
BEARING, 4-BOLT FLANGE



NOTE:

Over lubrication is a major cause of bearing failures. Please relubricate conservatively when unsure of bearing requirements.

When selecting a bearing lubricant, your dealer suggest any lithium-based NLGI #2 grease. For operating temperatures higher than 210°F, please consult your dealer.



MSV SPREADERS

Item	Qty	Part Number	Description
1	1	00035586-A	Hopper Weldment, MSV 96-84-50, 12/10, MS
	1	00035586-B	Hopper Weldment, MSV 96-84-50, 10/7, MS
	1	00036034-A	Hopper Weldment, MSV 96-84-50, 12/10, 304 SST
	1	00036034-B	Hopper Weldment, MSV 96-84-50, 10/7, 304 SST
	1	00035587-A	Hopper Weldment, MSV 96-84-56, 12/10, MS
	1	00035587-B	Hopper Weldment, MSV 96-84-56, 10/7, MS
	1	00036035-A	Hopper Weldment, MSV 96-84-56, 12/10, 304 SST
	1	00036035-B	Hopper Weldment, MSV 96-84-56, 10/7, 304 SST
	1	00035588-A	Hopper Weldment, MSV 96-84-62, 12/10, MS
	1	00035588-B	Hopper Weldment, MSV 96-84-62, 10/7, MS
	1	00036036-A	Hopper Weldment, MSV 96-84-62, 12/10, 304 SST
	1	00036036-B	Hopper Weldment, MSV 96-84-62, 10/7, 304 SST
	1	00035580-A	Hopper Weldment, MSV 108-84-50, 12/10, MS
	1	00035580-B	Hopper Weldment, MSV 108-84-50, 10/7, MS
	1	00036040-A	Hopper Weldment, MSV 108-84-50, 12/10, 304 SST
	1	00036040-B	Hopper Weldment, MSV 108-84-50, 10/7, 304 SST
	1	00035581-A	Hopper Weldment, MSV 108-84-56, 12/10, MS
	1	00035581-B	Hopper Weldment, MSV 108-84-56, 10/7, MS
	1	00036041-A	Hopper Weldment, MSV 108-84-56, 12/10, 304 SST
	1	00036041-B	Hopper Weldment, MSV 108-84-56, 10/7, 304 SST
	1	00035582-A	Hopper Weldment, MSV 108-84-62, 12/10, MS
	1	00035582-B	Hopper Weldment, MSV 108-84-62, 10/7, MS
	1	00036042-A	Hopper Weldment, MSV 108-84-62, 12/10, 304 SST
	1	00036042-B	Hopper Weldment, MSV 108-84-62, 10/7, 304 SST
	1	00033985-A	Hopper Weldment, MSV 120-84-50, 12/10, MS
	1	00033985-B	Hopper Weldment, MSV 120-84-50, 10/7, MS
	1	00036046-A	Hopper Weldment, MSV 120-84-50, 12/10, 304 SST
	1	00036046-B	Hopper Weldment, MSV 120-84-50, 10/7, 304 SST
	1	00035575-A	Hopper Weldment, MSV 120-84-56, 12/10, MS
	1	00035575-B	Hopper Weldment, MSV 120-84-56, 10/7, MS
	1	00036047-A	Hopper Weldment, MSV 120-84-56, 12/10, 304 SST
	1	00036047-B	Hopper Weldment, MSV 120-84-56, 10/7, 304 SST
	1	00035576-A	Hopper Weldment, MSV 120-84-62, 12/10, MS
	1	00035576-B	Hopper Weldment, MSV 120-84-62, 10/7, MS
	1	00036048-A	Hopper Weldment, MSV 120-84-62, 12/10, 304 SST
	1	00036048-B	Hopper Weldment, MSV 120-84-62, 10/7, 304 SST

MSV SPREADERS

Item	Qty	Part Number	Description
1	1	00035578-A	Hopper Weldment, MSV 120-84-68, 12/10, MS
	1	00035578-B	Hopper Weldment, MSV 120-84-68, 10/7, MS
	1	00036050-A	Hopper Weldment, MSV 120-84-68, 12/10, 304 SST
	1	00036050-B	Hopper Weldment, MSV 120-84-68, 10/7, 304 SST
	1	00035592-A	Hopper Weldment, MSV 132-84-50, 12/10, MS
	1	00035592-B	Hopper Weldment, MSV 132-84-50, 10/7, MS
	1	00036052-A	Hopper Weldment, MSV 132-84-50, 12/10, 304 SST
	1	00036052-B	Hopper Weldment, MSV 132-84-50, 10/7, 304 SST
	1	00035593-A	Hopper Weldment, MSV 132-84-56, 12/10, MS
	1	00035593-B	Hopper Weldment, MSV 132-84-56, 10/7, MS
	1	00036053-A	Hopper Weldment, MSV 132-84-56, 12/10, 304 SST
	1	00036053-B	Hopper Weldment, MSV 132-84-56, 10/7, 304 SST
	1	00035594-A	Hopper Weldment, MSV 132-84-62, 12/10, MS
	1	00035594-B	Hopper Weldment, MSV 132-84-62, 10/7, MS
	1	00036054-A	Hopper Weldment, MSV 132-84-62, 12/10, 304 SST
	1	00036054-B	Hopper Weldment, MSV 132-84-62, 10/7, 304 SST
	1	00035598-A	Hopper Weldment, MSV 144-84-50, 12/10, MS
	1	00035598-B	Hopper Weldment, MSV 144-84-50, 10/7, MS
	1	00036058-A	Hopper Weldment, MSV 144-84-50, 12/10, 304 SST
	1	00036058-B	Hopper Weldment, MSV 144-84-50, 10/7, 304 SST
	1	00035599-A	Hopper Weldment, MSV 144-84-56, 12/10, MS
	1	00035599-B	Hopper Weldment, MSV 144-84-56, 10/7, MS
	1	00036059-A	Hopper Weldment, MSV 144-84-56, 12/10, 304 SST
	1	00036059-B	Hopper Weldment, MSV 144-84-56, 10/7, 304 SST
	1	00036000-A	Hopper Weldment, MSV 144-84-62, 12/10, MS
	1	00036000-B	Hopper Weldment, MSV 144-84-62, 10/7, MS
	1	00036060-A	Hopper Weldment, MSV 144-84-62, 12/10, 304 SST
	1	00036060-B	Hopper Weldment, MSV 144-84-62, 10/7, 304 SST
	1	00036002-A	Hopper Weldment, MSV 144-84-68, 12/10, MS
	1	00036002-B	Hopper Weldment, MSV 144-84-68, 10/7, MS
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	1	00036062-B	Hopper Weldment, MSV 144-84-68, 10/7, 304 SST
	1	00036004-A	Hopper Weldment, MSV 120-84-62, 12/10, MS
	1	00036004-B	Hopper Weldment, MSV 120-84-62, 10/7, MS
	1	00036064-A	Hopper Weldment, MSV 120-84-62, 12/10, 304 SST
	1	00036064-B	Hopper Weldment, MSV 120-84-62, 10/7, 304 SST

MSV SPREADERS

Item	Qty	Part Number	Description
	1	00036005-A	Hopper Weldment, MSV 156-84-56, 12/10, MS
	1	00036005-B	Hopper Weldment, MSV 156-84-56, 10/7, MS
	1	00036065-A	Hopper Weldment, MSV 156-84-56, 12/10, 304 SST
	1	00036065-B	Hopper Weldment, MSV 156-84-56, 10/7, 304 SST
	1	00036006-A	Hopper Weldment, MSV 156-84-62, 12/10, MS
	1	00036006-B	Hopper Weldment, MSV 156-84-62, 10/7, MS
	1	00036066-A	Hopper Weldment, MSV 156-84-62, 12/10, 304 SST
	1	00036066-B	Hopper Weldment, MSV 156-84-62, 10/7, 304 SST
	1	00036008-A	Hopper Weldment, MSV 156-84-68, 12/10, MS
	1	00036008-B	Hopper Weldment, MSV 156-84-68, 10/7, MS
	1	00036068-A	Hopper Weldment, MSV 156-84-68, 12/10, 304 SST
	1	00036068-B	Hopper Weldment, MSV 156-84-68, 10/7, 304 SST
	1	00036010-A	Hopper Weldment, MSV 168-84-50, 12/10, MS
	1	00036010-B	Hopper Weldment, MSV 168-84-50, 10/7, MS
	1	00036070-A	Hopper Weldment, MSV 168-84-50, 12/10, 304 SST
	1	00036070-B	Hopper Weldment, MSV 168-84-50, 10/7, 304 SST
	1	00036011-A	Hopper Weldment, MSV 168-84-56, 12/10, MS
	1	00036011-B	Hopper Weldment, MSV 168-84-56, 10/7, MS
	1	00036071-A	Hopper Weldment, MSV 168-84-56, 12/10, 304 SST
	1	00036071-B	Hopper Weldment, MSV 168-84-56, 10/7, 304 SST
	1	00036012-A	Hopper Weldment, MSV 168-84-62, 12/10, MS
	1	00036012-B	Hopper Weldment, MSV 168-84-62, 10/7, MS
	1	00036072-A	Hopper Weldment, MSV 168-84-62, 12/10, 304 SST
	1	00036072-B	Hopper Weldment, MSV 168-84-62, 10/7, 304 SST
	1	00036014-A	Hopper Weldment, MSV 144-84-62, 12/10, MS
	1	00036014-B	Hopper Weldment, MSV 168-84-68, 10/7, MS
	1	00036074-A	Hopper Weldment, MSV 168-84-68, 12/10, 304 SST
	1	00036074-B	Hopper Weldment, MSV 168-84-68, 10/7, 304 SST
	1	00036016-A	Hopper Weldment, MSV 180-84-50, 12/10, MS
	1	00036016-B	Hopper Weldment, MSV 180-84-50, 10/7, MS
	1	00036076-A	Hopper Weldment, MSV 180-84-50, 12/10, 304 SST
	1	00036076-B	Hopper Weldment, MSV 180-84-50, 10/7, 304 SST
	1	00036017-A	Hopper Weldment, MSV 180-84-56, 12/10, MS
	1	00036017-B	Hopper Weldment, MSV 180-84-56, 10/7, MS
	1	00036077-A	Hopper Weldment, MSV 180-84-56, 12/10, 304 SST
	1	00036077-B	Hopper Weldment, MSV 180-84-56, 10/7, 304 SST

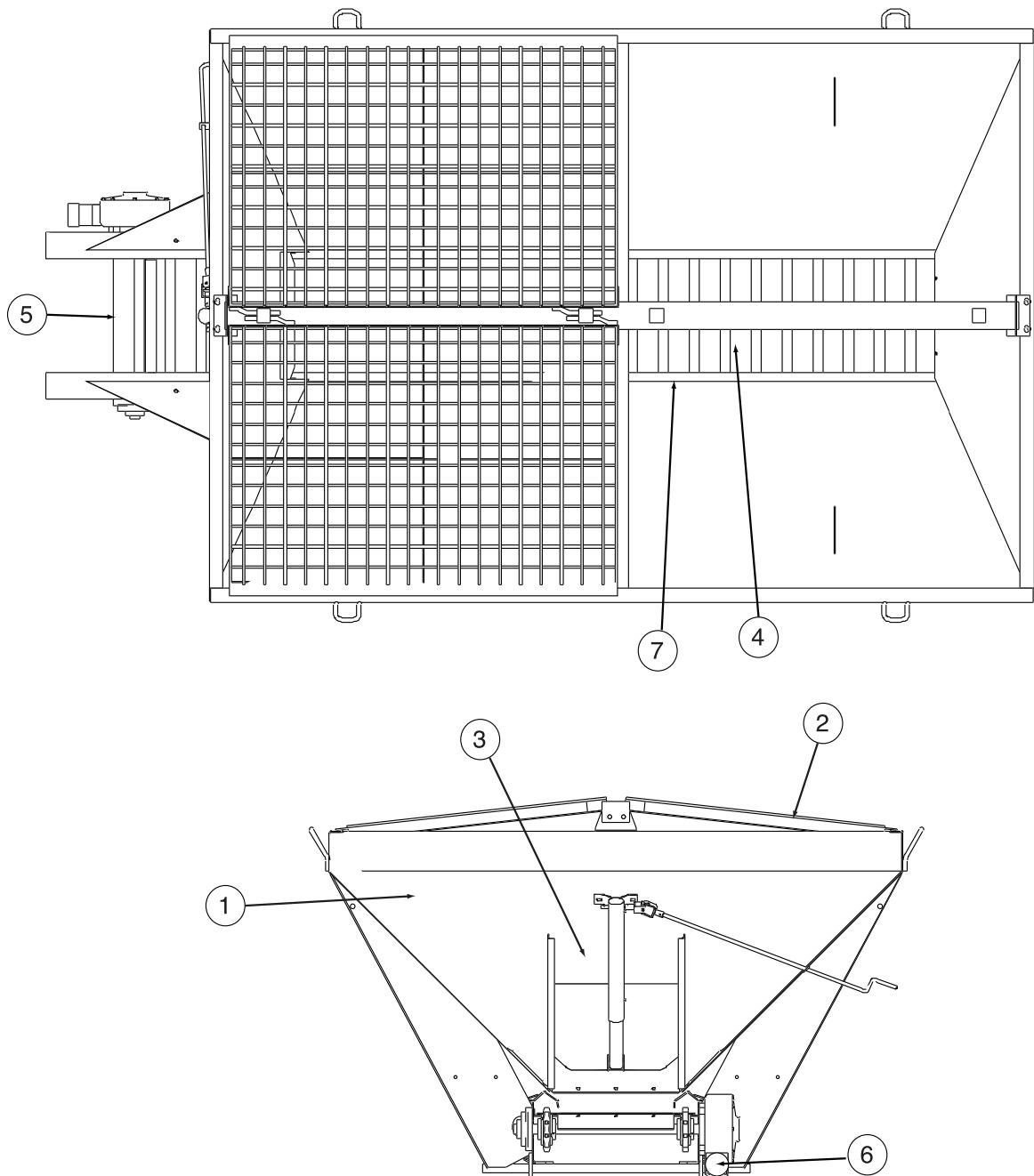
MSV SPREADERS

Item	Qty	Part Number	Description
	1	00036018-A	Hopper Weldment, MSV 180-84-62, 12/10, MS
	1	00036018-B	Hopper Weldment, MSV 180-84-62, 10/7, MS
	1	00036078-A	Hopper Weldment, MSV 180-84-62, 12/10, 304 SST
	1	00036078-B	Hopper Weldment, MSV 180-84-62, 10/7, 304 SST
	1	00036020-A	Hopper Weldment, MSV 180-84-68, 12/10, MS
	1	00036020-B	Hopper Weldment, MSV 180-84-68, 10/7, MS
	1	00036080-A	Hopper Weldment, MSV 180-84-68, 12/10, 304 SST
	1	00036080-B	Hopper Weldment, MSV 180-84-68, 10/7, 304 SST
	1	00036022-A	Hopper Weldment, MSV 192-84-50, 12/10, MS
	1	00036022-B	Hopper Weldment, MSV 192-84-50, 10/7, MS
	1	00036082-A	Hopper Weldment, MSV 192-84-50, 12/10, 304 SST
	1	00036082-B	Hopper Weldment, MSV 192-84-50, 10/7, 304 SST
	1	00036023-A	Hopper Weldment, MSV 192-84-56, 12/10, MS
	1	00036023-B	Hopper Weldment, MSV 192-84-56, 10/7, MS
	1	00036083-A	Hopper Weldment, MSV 192-84-56, 12/10, 304 SST
	1	00036083-B	Hopper Weldment, MSV 192-84-56, 10/7, 304 SST
	1	00036024-A	Hopper Weldment, MSV 192-84-62, 12/10, MS
	1	00036024-B	Hopper Weldment, MSV 192-84-62, 10/7, MS
	1	00036084-A	Hopper Weldment, MSV 192-84-62, 12/10, 304 SST
	1	00036084-B	Hopper Weldment, MSV 192-84-62, 10/7, 304 SST
	1	00036026-A	Hopper Weldment, MSV 192-84-68, 12/10, MS
	1	00036026-B	Hopper Weldment, MSV 192-84-68, 10/7, MS
	1	00036086-A	Hopper Weldment, MSV 192-84-68, 12/10, 304 SST
	1	00036086-B	Hopper Weldment, MSV 192-84-68, 10/7, 304 SST
	1	00036028-A	Hopper Weldment, MSV 204-84-50, 12/10, MS
	1	00036028-B	Hopper Weldment, MSV 204-84-50, 10/7, MS
	1	00036088-A	Hopper Weldment, MSV 204-84-50, 12/10, 304 SST
	1	00036088-B	Hopper Weldment, MSV 204-84-50, 10/7, 304 SST
	1	00036029-A	Hopper Weldment, MSV 204-84-56, 12/10, MS
	1	00036029-B	Hopper Weldment, MSV 204-84-56, 10/7, MS
	1	00036089-A	Hopper Weldment, MSV 204-84-56, 12/10, 304 SST
	1	00036089-B	Hopper Weldment, MSV 204-84-56, 10/7, 304 SST
	1	00036030-A	Hopper Weldment, MSV 204-84-62, 12/10, MS
	1	00036030-B	Hopper Weldment, MSV 204-84-62, 10/7, MS
	1	00036090-A	Hopper Weldment, MSV 204-84-62, 12/10, 304 SST
	1	00036090-B	Hopper Weldment, MSV 204-84-62, 10/7, 304 SST

MSV SPREADERS

Item	Qty	Part Number	Description
1	1	00036032-A	Hopper Weldment, MSV 204-84-68, 12/10, MS
	1	00036032-B	Hopper Weldment, MSV 204-84-68, 10/7, MS
	1	00036092-A	Hopper Weldment, MSV 204-84-68, 12/10, 304 SST
	1	00036092-B	Hopper Weldment, MSV 204-84-68, 10/7, 304 SST
2	1		Top Grate Kits, 8'-17' (See pages 49-58)
3	1		Door Kits, RR (See pages 45-46)
4	1		Chain Cover Kits, 8'-17' (Not Shown, See pages 41-44)
5	1		Floor Kits, 8'-17' (See pages 26-31)
6	1		Drive Kits (See pages 32-36)
7	1		Motor Kit, White (See pages 37-38)
8	1		Chain, Pintle, 9'-17' (See pages 39-40)

MV



MV SPREADERS

Item	Qty	Part Number	Description
	1	00026285-A	Hopper Weldment, MV 96-84-50, 12/10, MS
	1	00026285-B	Hopper Weldment, MV 96-84-50, 10/7, MS
	1	00026292-A	Hopper Weldment, MV 96-84-50, 12/10, 304 SST
	1	00026292-B	Hopper Weldment, MV 96-84-50, 10/7, 304 SST
	1	00026286-A	Hopper Weldment, MV 96-84-56, 12/10, MS
	1	00026286-B	Hopper Weldment, MV 96-84-56, 10/7, MS
	1	00026293-A	Hopper Weldment, MV 96-84-56, 12/10, 304 SST
	1	00026293-B	Hopper Weldment, MV 96-84-56, 10/7, 304 SST
	1	00026287-A	Hopper Weldment, MV 96-84-62, 12/10, MS
	1	00026287-B	Hopper Weldment, MV 96-84-62, 10/7, MS
	1	00026294-A	Hopper Weldment, MV 96-84-62, 12/10, 304 SST
	1	00026294-B	Hopper Weldment, MV 96-84-62, 10/7, 304 SST
	1	00033400-A	
	1	00033400-B	
	1	00033404-A	Hopper Weldment, MV 108-84-50, 12/10, MS
	1	00033404-B	Hopper Weldment, MV 108-84-50, 10/7, MS
	1	00033410-A	Hopper Weldment, MV 108-84-50, 12/10, 304 SST
	1	00033410-B	Hopper Weldment, MV 108-84-50, 10/7, 304 SST
	1	00033405-A	Hopper Weldment, MV 108-84-56, 12/10, MS
	1	00033405-B	Hopper Weldment, MV 108-84-56, 10/7, MS
	1	00033411-A	Hopper Weldment, MV 108-84-56, 12/10, 304 SST
	1	00033411-B	Hopper Weldment, MV 108-84-56, 10/7, 304 SST
	1	00033406-A	Hopper Weldment, MV 108-84-62, 12/10, MS
	1	00033406-B	Hopper Weldment, MV 108-84-62, 10/7, MS
	1	00033412-A	Hopper Weldment, MV 108-84-62, 12/10, 304 SST
	1	00033412-B	Hopper Weldment, MV 108-84-62, 10/7, 304 SST
	1	00033422-A	Hopper Weldment, MV 120-84-50, 12/10, MS
	1	00033422-B	Hopper Weldment, MV 120-84-50, 10/7, MS
	1	00033429-A	Hopper Weldment, MV 120-84-50, 12/10, 304 SST
	1	00033429-B	Hopper Weldment, MV 120-84-50, 10/7, 304 SST
	1	00033423-A	Hopper Weldment, MV 120-84-56, 12/10, MS
	1	00033423-B	Hopper Weldment, MV 120-84-56, 10/7, MS
	1	00033430-A	Hopper Weldment, MV 120-84-56, 12/10, 304 SST
	1	00033430-B	Hopper Weldment, MV 120-84-56, 10/7, 304 SST
	1	00033424-A	Hopper Weldment, MV 120-84-62, 12/10, MS
	1	00033424-B	Hopper Weldment, MV 120-84-62, 10/7, MS
	1	00033431-A	Hopper Weldment, MV 120-84-62, 12/10, 304 SST
	1	00033431-B	Hopper Weldment, MV 120-84-62, 10/7, 304 SST

MV SPREADERS

Item	Qty	Part Number	Description
1	1	00033427-A	Hopper Weldment, MV 120-84-68, 12/10, MS
	1	00033427-B	Hopper Weldment, MV 120-84-68, 10/7, MS
	1	00033433-A	Hopper Weldment, MV 120-84-68, 12/10, 304 SST
	1	00033433-B	Hopper Weldment, MV 120-84-68, 10/7, 304 SST
	1	00033441-A	Hopper Weldment, MV 132-84-50, 12/10, MS
	1	00033441-B	Hopper Weldment, MV 132-84-50, 10/7, MS
	1	00033447-A	Hopper Weldment, MV 132-84-50, 12/10, 304 SST
	1	00033447-B	Hopper Weldment, MV 132-84-50, 10/7, 304 SST
	1	00033442-A	Hopper Weldment, MV 132-84-56, 12/10, MS
	1	00033442-B	Hopper Weldment, MV 132-84-56, 10/7, MS
	1	00033448-A	Hopper Weldment, MV 132-84-56, 12/10, 304 SST
	1	00033448-B	Hopper Weldment, MV 132-84-56, 10/7, 304 SST
	1	00033443-A	Hopper Weldment, MV 132-84-62, 12/10, MS
	1	00033443-B	Hopper Weldment, MV 132-84-62, 10/7, MS
	1	00033449-A	Hopper Weldment, MV 132-84-62, 12/10, 304 SST
	1	00033449-B	Hopper Weldment, MV 132-84-62, 10/7, 304 SST
	1	00033469-A	Hopper Weldment, MV 144-84-50, 12/10, MS
	1	00033469-B	Hopper Weldment, MV 144-84-50, 10/7, MS
	1	00033475-A	Hopper Weldment, MV 144-84-50, 12/10, 304 SST
	1	00033475-B	Hopper Weldment, MV 144-84-50, 10/7, 304 SST
	1	00033470-A	Hopper Weldment, MV 144-84-56, 12/10, MS
	1	00033470-B	Hopper Weldment, MV 144-84-56, 10/7, MS
	1	00033476-A	Hopper Weldment, MV 144-84-56, 12/10, 304 SST
	1	00033476-B	Hopper Weldment, MV 144-84-56, 10/7, 304 SST
	1	00033471-A	Hopper Weldment, MV 144-84-62, 12/10, MS
	1	00033471-B	Hopper Weldment, MV 144-84-62, 10/7, MS
	1	00033477-A	Hopper Weldment, MV 144-84-62, 12/10, 304 SST
	1	00033477-B	Hopper Weldment, MV 144-84-62, 10/7, 304 SST
	1	00033473-A	Hopper Weldment, MV 144-84-68, 12/10, MS
	1	00033473-B	Hopper Weldment, MV 144-84-68, 10/7, MS
	1	00033479-A	Hopper Weldment, MV 144-84-68, 12/10, 304 SST
	1	00033479-B	Hopper Weldment, MV 144-84-68, 10/7, 304 SST
	1	00033487-A	Hopper Weldment, MV 156-84-50, 12/10, MS
	1	00033487-B	Hopper Weldment, MV 156-84-50, 10/7, MS
	1	00033493-A	Hopper Weldment, MV 156-84-50, 12/10, 304 SST
	1	00033493-B	Hopper Weldment, MV 156-84-50, 10/7, 304 SST

MV SPREADERS

Item	Qty	Part Number	Description
	1	00033488-A	Hopper Weldment, MV 156-84-56, 12/10, MS
	1	00033488-B	Hopper Weldment, MV 156-84-56, 10/7, MS
	1	00033494-A	Hopper Weldment, MV 156-84-56, 12/10, 304 SST
	1	00033494-B	Hopper Weldment, MV 156-84-56, 10/7, 304 SST
	1	00033489-A	Hopper Weldment, MV 156-84-62, 12/10, MS
	1	00033489-B	Hopper Weldment, MV 156-84-62, 10/7, MS
	1	00033495-A	Hopper Weldment, MV 156-84-62, 12/10, 304 SST
	1	00033495-B	Hopper Weldment, MV 156-84-62, 10/7, 304 SST
	1	00033491-A	Hopper Weldment, MV 156-84-68, 12/10, MS
	1	00033491-B	Hopper Weldment, MV 156-84-68, 10/7, MS
	1	00033497-A	Hopper Weldment, MV 156-84-68, 12/10, 304 SST
	1	00033497-B	Hopper Weldment, MV 156-84-68, 10/7, 304 SST
	1	00033905-A	Hopper Weldment, MV 168-84-50, 12/10, MS
	1	00033905-B	Hopper Weldment, MV 168-84-50, 10/7, MS
	1	00033911-A	Hopper Weldment, MV 168-84-50, 12/10, 304 SST
	1	00033911-B	Hopper Weldment, MV 168-84-50, 10/7, 304 SST
	1	00033906-A	Hopper Weldment, MV 168-84-56, 12/10, MS
	1	00033906-B	Hopper Weldment, MV 168-84-56, 10/7, MS
	1	00033912-A	Hopper Weldment, MV 168-84-56, 12/10, 304 SST
	1	00033912-B	Hopper Weldment, MV 168-84-56, 10/7, 304 SST
	1	00033907-A	Hopper Weldment, MV 168-84-62, 12/10, MS
	1	00033907-B	Hopper Weldment, MV 168-84-62, 10/7, MS
	1	00033913-A	Hopper Weldment, MV 168-84-62, 12/10, 304 SST
	1	00033913-B	Hopper Weldment, MV 168-84-62, 10/7, 304 SST
	1	00033909-A	Hopper Weldment, MV 168-84-68, 12/10, MS
	1	00033909-B	Hopper Weldment, MV 168-84-68, 10/7, MS
	1	00033915-A	Hopper Weldment, MV 168-84-68, 12/10, 304 SST
	1	00033915-B	Hopper Weldment, MV 168-84-68, 10/7, 304 SST
	1	00033923-A	Hopper Weldment, MV 180-84-50, 12/10, MS
	1	00033923-B	Hopper Weldment, MV 180-84-50, 10/7, MS
	1	00033929-A	Hopper Weldment, MV 180-84-50, 12/10, 304 SST
	1	00033929-B	Hopper Weldment, MV 180-84-50, 10/7, 304 SST
	1	00033924-A	Hopper Weldment, MV 180-84-56, 12/10, MS
	1	00033924-B	Hopper Weldment, MV 180-84-56, 10/7, MS
	1	00033930-A	Hopper Weldment, MV 180-84-56, 12/10, 304 SST
	1	00033930-B	Hopper Weldment, MV 180-84-56, 10/7, 304 SST

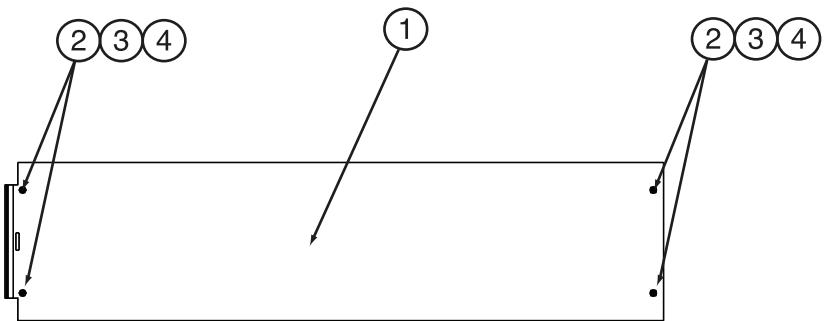
MV SPREADERS

Item	Qty	Part Number	Description
	1	00033925-A	Hopper Weldment, MV 180-84-62, 12/10, MS
	1	00033925-B	Hopper Weldment, MV 180-84-62, 10/7, MS
	1	00033931-A	Hopper Weldment, MV 180-84-62, 12/10, 304 SST
	1	00033931-B	Hopper Weldment, MV 180-84-62, 10/7, 304 SST
	1	00033927-A	Hopper Weldment, MV 180-84-68, 12/10, MS
	1	00033927-B	Hopper Weldment, MV 180-84-68, 10/7, MS
	1	00033933-A	Hopper Weldment, MV 180-84-68, 12/10, 304 SST
	1	00033933-B	Hopper Weldment, MV 180-84-68, 10/7, 304 SST
	1	00033941-A	Hopper Weldment, MV 192-84-50, 12/10, MS
	1	00033941-B	Hopper Weldment, MV 192-84-50, 10/7, MS
	1	00033947-A	Hopper Weldment, MV 192-84-50, 12/10, 304 SST
	1	00033947-B	Hopper Weldment, MV 192-84-50, 10/7, 304 SST
	1	00033942-A	Hopper Weldment, MV 192-84-56, 12/10, MS
	1	00033942-B	Hopper Weldment, MV 192-84-56, 10/7, MS
	1	00033948-A	Hopper Weldment, MV 192-84-56, 12/10, 304 SST
	1	00033948-B	Hopper Weldment, MV 192-84-56, 10/7, 304 SST
	1	00033943-A	Hopper Weldment, MV 192-84-62, 12/10, MS
	1	00033943-B	Hopper Weldment, MV 192-84-62, 10/7, MS
	1	00033949-A	Hopper Weldment, MV 192-84-62, 12/10, 304 SST
	1	00033949-B	Hopper Weldment, MV 192-84-62, 10/7, 304 SST
	1	00033945-A	Hopper Weldment, MV 192-84-68, 12/10, MS
	1	00033945-B	Hopper Weldment, MV 192-84-68, 10/7, MS
	1	00033951-A	Hopper Weldment, MV 192-84-68, 12/10, 304 SST
	1	00033951-B	Hopper Weldment, MV 192-84-68, 10/7, 304 SST
	1	00033959-A	Hopper Weldment, MV 204-84-50, 12/10, MS
	1	00033959-B	Hopper Weldment, MV 204-84-50, 10/7, MS
	1	00033965-A	Hopper Weldment, MV 204-84-50, 12/10, 304 SST
	1	00033965-B	Hopper Weldment, MV 204-84-50, 10/7, 304 SST
	1	00033960-A	Hopper Weldment, MV 204-84-56, 12/10, MS
	1	00033960-B	Hopper Weldment, MV 204-84-56, 10/7, MS
	1	00033966-A	Hopper Weldment, MV 204-84-56, 12/10, 304 SST
	1	00033966-B	Hopper Weldment, MV 204-84-56, 10/7, 304 SST
	1	00033961-A	Hopper Weldment, MV 204-84-62, 12/10, MS
	1	00033961-B	Hopper Weldment, MV 204-84-62, 10/7, MS
	1	00033967-A	Hopper Weldment, MV 204-84-62, 12/10, 304 SST
	1	00033967-B	Hopper Weldment, MV 180-84-56, 10/7, 304 SST

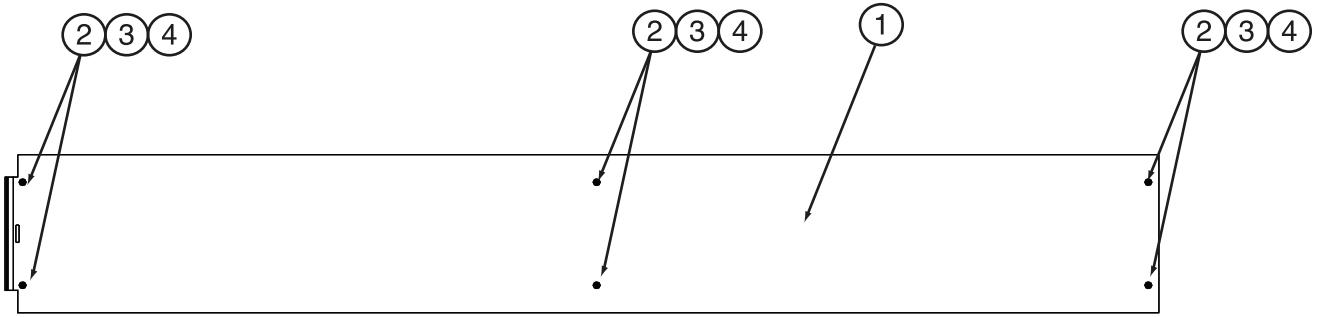
MV SPREADERS

Item	Qty	Part Number	Description
1	1	00033963-A	Hopper Weldment, MV 204-84-68, 12/10, MS
	1	00033963-B	Hopper Weldment, MV 204-84-68, 10/7, MS
	1	00033969-A	Hopper Weldment, MV 204-84-68, 12/10, 304 SST
	1	00033969-B	Hopper Weldment, MV 204-84-68, 10/7, 304 SST
2	1		Top Grate Kits, 8'-17' (See pages 49-58)
3	1		Door Kits, RR (See pages 45-46)
4	1		Floor Kits, 8'-17' (See pages 26-31)
5	1		Drive Kits (See pages 32-36)
6	1		Motor Kit, White (See pages 37-38)
7	1		Chain, Pintle, 9'-17' (See pages 39-40)

FLOOR KITS MV/MSV



7'-13' Floor Kit



14'-17' Floor Kit

00056251 FLOOR KIT, 8', MV/MSV

Item	Qty	Part Number	Description
1	1	00056800-A	Floor Weldment, 8', $\frac{3}{6}$ ", MS
	1	00056800-B	Floor Weldment, 8', $\frac{1}{4}$ ", MS
	1	00056800-C	Floor Weldment, 8', $\frac{3}{6}$ ", 304 SST
	1	00056800-D	Floor Weldment, 8', $\frac{1}{4}$ ", 304 SST
	1	00056800-E	Floor Weldment, 8', $\frac{3}{6}$ ", 409 SST
	1	00056800-F	Floor Weldment, 8', $\frac{1}{4}$ ", 409 SST
	1	00056800-G	Floor Weldment, 8', $\frac{3}{6}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056800-H	Floor Weldment, 8', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056800-I	Floor Weldment, 8', 10 Gauge, MS
	1	00056800-J	Floor Weldment, 8', 10 Gauge, 304 SST
2	4	05016000	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", G5, Flat, Head, Zinc
	4	05016033	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", Flat, Head, SST
3	4	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	4	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	4	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056252 FLOOR KIT, 9', MV/MSV

Item	Qty	Part Number	Description
1	1	00056801-A	Floor Weldment, 9', $\frac{3}{6}$ ", MS
	1	00056801-B	Floor Weldment, 9', $\frac{1}{4}$ ", MS
	1	00056801-C	Floor Weldment, 9', $\frac{3}{6}$ ", 304 SST
	1	00056801-D	Floor Weldment, 9', $\frac{1}{4}$ ", 304 SST
	1	00056801-E	Floor Weldment, 9', $\frac{3}{6}$ ", 409 SST
	1	00056801-F	Floor Weldment, 9', $\frac{1}{4}$ ", 409 SST
	1	00056801-G	Floor Weldment, 9', $\frac{3}{6}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056801-H	Floor Weldment, 9', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056801-I	Floor Weldment, 9', 10 Gauge, MS
	1	00056801-J	Floor Weldment, 9', 10 Gauge, 304 SST
2	4	05016000	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", G5, Flat, Head, Zinc
	4	05016033	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", Flat, Head, SST
3	4	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	4	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	4	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056253 FLOOR KIT, 10', MV/MSV

Item	Qty	Part Number	Description
1	1	00056802-A	Floor Weldment, 10', $\frac{3}{8}$ ", MS
	1	00056802-B	Floor Weldment, 10', $\frac{1}{4}$ ", MS
	1	00056802-C	Floor Weldment, 10', $\frac{3}{8}$ ", 304 SST
	1	00056802-D	Floor Weldment, 10', $\frac{1}{4}$ ", 304 SST
	1	00056802-E	Floor Weldment, 10', $\frac{3}{8}$ ", 409 SST
	1	00056802-F	Floor Weldment, 10', $\frac{1}{4}$ ", 409 SST
	1	00056802-G	Floor Weldment, 10', $\frac{3}{8}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056802-H	Floor Weldment, 10', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056802-I	Floor Weldment, 10', 10 Gauge, MS
	1	00056802-J	Floor Weldment, 10', 10 Gauge, 304 SST
	1	00056802-L	Floor Weldment, 10', $\frac{1}{4}$ " Corten (Use Zinc Hardware)
2	4	05016000	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", G5, Flat, Head, Zinc
	4	05016033	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", Flat, Head, SST
3	4	05020898	Nut, $\frac{3}{16}$ -16, Toplock, C&W, GR C
	4	05020891	Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
4	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	4	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056254 FLOOR KIT, 11', MV/MSV

Item	Qty	Part Number	Description
1	1	00056803-A	Floor Weldment, 11', $\frac{3}{8}$ ", MS
	1	00056803-B	Floor Weldment, 11', $\frac{1}{4}$ ", MS
	1	00056803-C	Floor Weldment, 11', $\frac{3}{8}$ ", 304 SST
	1	00056803-D	Floor Weldment, 11', $\frac{1}{4}$ ", 304 SST
	1	00056803-E	Floor Weldment, 11', $\frac{3}{8}$ ", 409 SST
	1	00056803-F	Floor Weldment, 11', $\frac{1}{4}$ ", 409 SST
	1	00056803-G	Floor Weldment, 11', $\frac{3}{8}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056803-H	Floor Weldment, 11', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056803-I	Floor Weldment, 11', 10 Gauge, MS
	1	00056803-J	Floor Weldment, 11', 10 Gauge, 304 SST
2	4	05016000	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", G5, Flat, Head, Zinc
	4	05016033	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", Flat, Head, SST
3	4	05020898	Nut, $\frac{3}{16}$ -16, Toplock, C&W, GR C
	4	05020891	Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
4	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	4	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056255 FLOOR KIT, 12', MV/MSV

Item	Qty	Part Number	Description
1	1	00056804-A	Floor Weldment, 12', $\frac{3}{6}$ ", MS
	1	00056804-B	Floor Weldment, 12', $\frac{1}{4}$ ", MS
	1	00056804-C	Floor Weldment, 12', $\frac{3}{6}$ ", 304 SST
	1	00056804-D	Floor Weldment, 12', $\frac{1}{4}$ ", 304 SST
	1	00056804-E	Floor Weldment, 12', $\frac{3}{6}$ ", 409 SST
	1	00056804-F	Floor Weldment, 12', $\frac{1}{4}$ ", 409 SST
	1	00056804-G	Floor Weldment, 12', $\frac{3}{6}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056804-H	Floor Weldment, 12', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056804-I	Floor Weldment, 12', 10 Gauge, MS
	1	00056804-J	Floor Weldment, 12', 10 Gauge, 304 SST
	1	00056804-L	Floor Weldment, 12', $\frac{3}{6}$ ", Corten
	2	05016000	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", G5, Flat, Head, Zinc
	4	05016033	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", Flat, Head, SST
3	4	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	4	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	4	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056256 FLOOR KIT, 13', MV/MSV

Item	Qty	Part Number	Description
1	1	00056805-A	Floor Weldment, 13', $\frac{3}{6}$ ", MS
	1	00056805-B	Floor Weldment, 13', $\frac{1}{4}$ ", MS
	1	00056805-C	Floor Weldment, 13', $\frac{3}{6}$ ", 304 SST
	1	00056805-D	Floor Weldment, 13', $\frac{1}{4}$ ", 304 SST
	1	00056805-E	Floor Weldment, 13', $\frac{3}{6}$ ", 409 SST
	1	00056805-F	Floor Weldment, 13', $\frac{1}{4}$ ", 409 SST
	1	00056805-G	Floor Weldment, 13', $\frac{3}{6}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056805-H	Floor Weldment, 13', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056805-I	Floor Weldment, 13', 10 Gauge, MS
	1	00056805-J	Floor Weldment, 13', 10 Gauge, 304 SST
	1	00056805-L	Floor Weldment, 13', $\frac{1}{4}$ ", Corten
	2	05016000	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", G5, Flat, Head, Zinc
	4	05016033	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", Flat, Head, SST
3	4	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	4	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	4	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056257 FLOOR KIT, 14', MV/MSV

Item	Qty	Part Number	Description
1	1	00126118-A	Floor, .188 MS
	1	00126118-B	Floor, .250 MS
	1	00126118-C	Floor, 7ga 304 SST
	1	00126118-D	Floor, .250 304 SST
	1	00056806-E	Floor Weldment, 14', $\frac{3}{8}$ ", 409 SST
	1	00056806-F	Floor Weldment, 14', $\frac{1}{4}$ ", 409 SST
	1	00056806-G	Floor Weldment, 14', $\frac{3}{8}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056806-H	Floor Weldment, 14', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056806-I	Floor Weldment, 14', 10 Gauge, MS
	1	00056806-J	Floor Weldment, 14', 10 Gauge, 304 SST
2	6	05016000	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G5, Flat, Head, Zinc
	6	05016033	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", Flat, Head, SST
3	6	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	6	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	6	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	6	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056258 FLOOR KIT, 15', MV/MSV

Item	Qty	Part Number	Description
1	1	00126118-A	Floor, .188 MS
	1	00126118-B	Floor, .250 MS
	1	00126118-C	Floor, 7ga 304 SST
	1	00126118-D	Floor, .250 304 SST
	1	00056807-E	Floor Weldment, 15', $\frac{3}{8}$ ", 409 SST
	1	00056807-F	Floor Weldment, 15', $\frac{1}{4}$ ", 409 SST
	1	00056807-G	Floor Weldment, 15', $\frac{3}{8}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056807-H	Floor Weldment, 15', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056807-I	Floor Weldment, 15', 10 Gauge, MS
	1	00056807-J	Floor Weldment, 15', 10 Gauge, 304 SST
2	6	05016000	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G5, Flat, Head, Zinc
	6	05016033	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", Flat, Head, SST
3	6	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	6	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	6	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	6	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

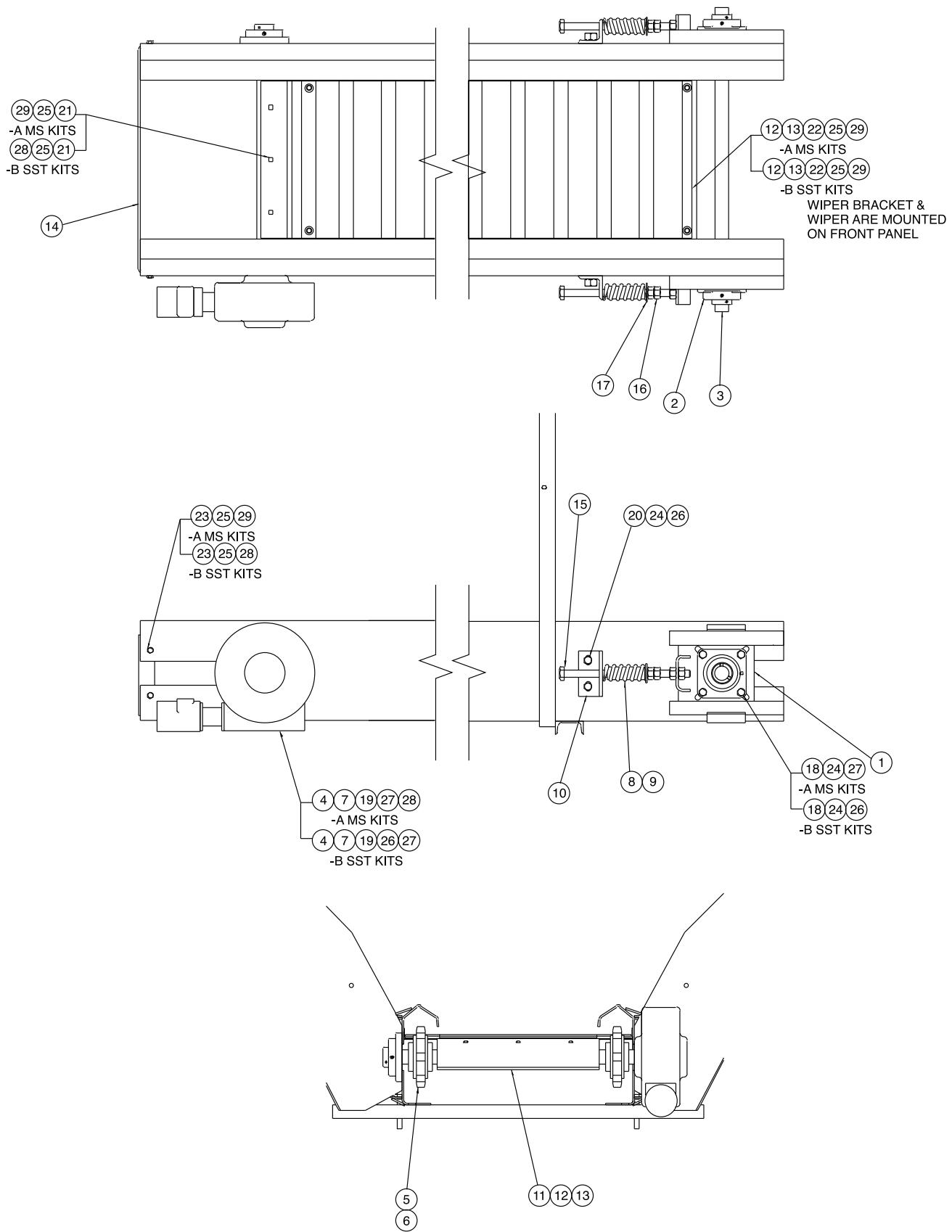
00056259 FLOOR KIT, 16', MV/MSV

Item	Qty	Part Number	Description
1	1	00126118-A	Floor, .188 MS
	1	00126118-B	Floor, .250 MS
	1	00126118-C	Floor, 7ga 304 SST
	1	00126118-D	Floor, .250 304 SST
	1	00056808-E	Floor Weldment, 16', $\frac{3}{16}$ ", 409 SST
	1	00056808-F	Floor Weldment, 16', $\frac{1}{4}$ ", 409 SST
	1	00056808-G	Floor Weldment, 16', $\frac{3}{16}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056808-H	Floor Weldment, 16', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056808-I	Floor Weldment, 16', 10 Gauge, MS
	1	00056808-J	Floor Weldment, 16', 10 Gauge, 304 SST
2	6	05016000	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", G5, Flat, Head, Zinc
	6	05016033	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", Flat, Head, SST
3	6	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	6	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	6	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	6	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00056260 FLOOR KIT, 17', MV/MSV

Item	Qty	Part Number	Description
1	1	00126118-A	Floor, .188 MS
	1	00126118-B	Floor, .250 MS
	1	00126118-C	Floor, 7ga 304 SST
	1	00126118-D	Floor, .250 304 SST
	1	00056809-E	Floor Weldment, 17', $\frac{3}{16}$ ", 409 SST
	1	00056809-F	Floor Weldment, 17', $\frac{1}{4}$ ", 409 SST
	1	00056809-G	Floor Weldment, 17', $\frac{3}{16}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056809-H	Floor Weldment, 17', $\frac{1}{4}$ ", AR (Please specify Zinc or SST Hardware)
	1	00056809-I	Floor Weldment, 17', 10 Gauge, MS
	1	00056809-J	Floor Weldment, 17', 10 Gauge, 304 SST
2	6	05016000	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", G5, Flat, Head, Zinc
	6	05016033	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$ ", Flat, Head, SST
3	6	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	6	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	6	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	6	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

CONVEYOR DRIVE KIT, MV/MSV



00056263 CONVEYOR DRIVE KIT, 25:1, 1½"

Item	Qty	Part Number	Description
1	2	00053172-A	Slider Plate Weldment, Bearing Adjuster, MS
	2	00053172-B	Slider Plate Weldment, Bearing Adjuster, 304 SST
2	3	05030007	Bearing, 1.5" ID, 4-Bolt Flange
3	1	05039000	Shaft, Idler, 1.5" x 32" OAL, .375 KW
4	1	05007326	Shaft, Output, 1.5 x 32.875, .375 Keyway, HD Gearbox, Zinc
5	3	05050052	Key Machinery, $\frac{3}{8}$ " x $2\frac{1}{2}$ "
6	4	05033003	Sprocket
7	1	05007427	Gearbox, 25:1, RH (See page 160-161)
8	2	05050212	Bushing, UHMW $1\frac{3}{16}$ " ID x $1\frac{1}{32}$ " x 4"
9	2	05035071	Spring, Compression $2\frac{1}{16}$ " OD
10	2	00048757-A 00048757-B 00048757-C	Adjuster Angle, Bearing, MS Adjuster Angle, Bearing, 304 SST Adjuster Angle, Bearing, 409 SST
11	1	00053200-A 00053200-B 00053200-C	Cover, Shaft, Rear, MS Cover, Shaft, Rear, 304 SST Cover, Shaft, Rear, 409 SST
12	2	05050056	Wiper, $\frac{5}{16}$ " x 5" x 17"
13	2	00053253-A 00053253-B 00053253-C	Support, Rubber, Flap, MS Support, Rubber, Flap, 304 SST Support, Rubber, Flap, 409 SST
14	1	00028058-A 00028058-B 00028058-C	Plate, Conveyor, Enclosure, MS Plate, Conveyor, Enclosure, 304 SST Plate, Conveyor, Enclosure, 409 SST
15	2	05016043 00035148	Bolt, $\frac{3}{4}$ -10 x $1\frac{1}{2}$ " with $10\frac{3}{4}$ " Thread Bearing Adjuster Bolt Weldment, SST
16	8	05020123 05020803	Nut, $\frac{3}{4}$ -10, G2, Jam, Zinc Nut, $\frac{3}{4}$ -10, Jam, SST
17	2	05021312 05021304	Washer, $\frac{3}{16}$ ", Flat, Zinc Washer, $\frac{3}{16}$ ", Flat, SST
18	12	05010692 05016204	Bolt, $\frac{1}{2}$ - 13 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ - 13 x $1\frac{1}{4}$ ", HHCS, SST
19	8	05010689 05016047	Bolt, $\frac{1}{2}$ -13 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x 1, HHCS, SST
20	4	05010691 05016096	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$, HHCS, G8, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$, HHCS, SST
21	3	05013987 05016746	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G5, CRG, Zinc Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", CRG,SST
22	7	05010644 05016049	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", HHCS, SST
23	4	05010642 05016050	Bolt, $\frac{3}{8}$ -16 x $\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x $\frac{1}{2}$, HHCS, SST
24	16	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
25	10	05020898 05020891	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR, C Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
26	4	05021309 05021391	Washer, $\frac{1}{2}$, Flat, Zinc Washer, $\frac{1}{2}$, Flat, SST
27	16	05021005 05021396	Washer, $\frac{1}{2}$, Flat, SAE, Mil-Carb, Zinc Washer, $\frac{1}{2}$, Flat, SAE, Mil-Carb, SST
28	4	05021367 05021396	Washer, $\frac{1}{2}$ ", Lock, Zinc Washer, $\frac{1}{2}$ ", Lock, SST
29	10	05021307 05021390	Washer, $\frac{3}{16}$ ", Flat, Zinc Washer, $\frac{3}{16}$ ", Flat, SST

00056264 CONVEYOR DRIVE KIT, 25:1, 2"

Item	Qty	Part Number	Description
1	2	00053172-A	Slider Plate Weldment, Bearing Adjuster, MS
	2	00053172-B	Slider Plate Weldment, Bearing Adjuster, 304 SST
2	3	05030006	Bearing, 2 Four Bolt Flange
3	1	05039001	Shaft, Idler, 2" x 32" OAL, $\frac{1}{2}$ " KW
4	1	05007327	Shaft, Output, 2 x 32.875
5	3	05050053	Key Machinery, $\frac{1}{2}$ " x $2\frac{1}{2}$ "
6	4	05033004	Sprocket
7	1	05007427	Gearbox, 25:1, RH (See page 160-161)
8	2	05050212	Bushing, UHMW $1\frac{1}{16}$ " ID x $1\frac{1}{32}$ " x 4"
9	2	05035071	Spring, Compression $2\frac{3}{16}$ " OD
10	2	00048757-A 00048757-B 00048757-C	Adjuster Angle, Bearing, MS Adjuster Angle, Bearing, 304 SST Adjuster Angle, Bearing, 409 SST
11	1	00053200-A 00053200-B 00053200-C	Cover, Shaft, Rear, MS Cover, Shaft, Rear, 304 SST Cover, Shaft, Rear, 409 SST
12	2	05050056	Wiper, $\frac{1}{16}$ " x 5" x 17"
13	2	00053253-A 00053253-B 00053253-C	Support, Rubber, Flap, MS Support, Rubber, Flap, 304 SST Support, Rubber, Flap, 409 SST
14	1	00028058-A 00028058-B 00028058-C	Plate, Conveyor, Enclosure, MS Plate, Conveyor, Enclosure, 304 SST Plate, Conveyor, Enclosure, 409 SST
15	2	05016043 00035148	Bolt, $\frac{3}{16}$ -10 x $14\frac{1}{2}$ " with $10\frac{1}{4}$ " Thread Bearing Adjuster Bolt Weldment, SST
16	8	05020123 05020803	Nut, $\frac{3}{16}$ -10, G2, Jam, Zinc Nut, $\frac{3}{16}$ -10, Jam, SST
17	2	05021312 05021304	Washer, $\frac{1}{16}$ ", Flat, Zinc Washer, $\frac{1}{16}$ ", Flat, SST
18	12	05010692 05016204	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", HHCS, SST
19	8	05010689 05016047	Bolt, $\frac{1}{2}$ -13 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x 1, HHCS, SST
20	4	05010691 05016096	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$, HHCS, G8, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$, HHCS, SST
21	3	05013987 05016746	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", G5, CRG, Zinc Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", CRG,SST
22	7	05010644 05016049	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", HHCS, SST
23	4	05010642 05016050	Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, HHCS, SST
24	16	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
25	10	05020898 05020891	Nut, $\frac{3}{16}$ -16, Toplock, C&W, GR, C Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
26	4	05021309 05021391	Washer, $\frac{1}{16}$, Flat, Zinc Washer, $\frac{1}{16}$, Flat, SST
27	16	05021005 05021396	Washer, $\frac{1}{16}$, Flat, SAE, Mil-Carb, Zinc Washer, $\frac{1}{16}$, Flat, SAE, Mil-Carb, SST
28	4	05021367 05021396	Washer, $\frac{1}{16}$, Lock, Zinc Washer, $\frac{1}{16}$, Lock, SST
29	10	05021307 05021390	Washer, $\frac{1}{16}$, Flat, Zinc Washer, $\frac{1}{16}$, Flat, SST

00056261 CONVEYOR DRIVE KIT, 50:1, 1½"

Item	Qty	Part Number	Description
1	2	00053172-A	Slider Plate Weldment, Bearing Adjuster, MS
	2	00053172-B	Slider Plate Weldment, Bearing Adjuster, 304 SST
2	3	05030007	Bearing, 1.5 Four Bolt Flange
3	1	05039000	Shaft, Ider, 1.5" x 32" OAL, ½" KW
4	1	05007326	Shaft, Output, 1.5 x 32.875
5	3	05050052	Key Machinery, .375" x 2½"
6	4	05033003	Sprocket
7	1	05007438	Gearbox, 50:1, RH (See page 158-159)
8	2	05050212	Bushing, UHMW 1¾" ID x 1⅓" x 4"
9	2	05035071	Spring, Compression 2½" OD
10	2	00048757-A 00048757-B 00048757-C	Adjuster Angle, Bearing, MS Adjuster Angle, Bearing, 304 SST Adjuster Angle, Bearing, 409 SST
11	1	00053200-A 00053200-B 00053200-C	Cover, Shaft, Rear, MS Cover, Shaft, Rear, 304 SST Cover, Shaft, Rear, 409 SST
12	2	05050056	Wiper, ½" x 5" x 17"
13	2	00053253-A 00053253-B 00053253-C	Support, Rubber, Flap, MS Support, Rubber, Flap, 304 SST Support, Rubber, Flap, 409 SST
14	1	00028058-A 00028058-B 00028058-C	Plate, Conveyor, Enclosure, MS Plate, Conveyor, Enclosure, 304 SST Plate, Conveyor, Enclosure, 409 SST
15	2	05016043 00035148	Bolt, ¾-10 x 14½" with 10¾" Thread Bearing Adjuster Bolt Weldment, SST
16	8	05020123 05020803	Nut, ¾-10, G2, Jam, Zinc Nut, ¾-10, Jam, SST
17	2	05021312 05021304	Washer, ¾", Flat, Zinc Washer, ¾", Flat, SST
18	12	05010692 05016204	Bolt, ½- 13 x 1¼", G8, HHCS, Zinc Bolt, ½- 13 x 1¼", HHCS, SST
19	8	05010689 05016047	Bolt, ½-13 x 1, G8, HHCS, Zinc Bolt, ½-13 x 1, HHCS, SST
20	4	05010691 05016096	Bolt, ½-13 x 1½, HHCS, G8, Zinc Bolt, ½-13 x 1½, HHCS, SST
21	3	05013987 05016746	Bolt, ¾-16 x 1¼", G5, CRG, Zinc
22	7	05010644 05016049	Bolt, ¾-16 x 1¼", G8, HHCS, Zinc Bolt, ¾-16 x 1¼", HHCS, SST
23	4	05010642 05016050	Bolt, ¾-16 x ¾, G8, HHCS, Zinc Bolt, ¾-16 x ¾, HHCS, SST
24	16	05020847 05020908	Nut, ½-13, GC, Toplock, C&W Nut, ½-13, Nylon Lock, SST
25	10	05020898 05020891	Nut, ¾-16, Toplock, C&W, GR, C Nut, ¾-16, Nylon Lock, SST
26	4	05021309 05021391	Washer, ½, Flat, Zinc Washer, ½, Flat, SST
27	16	05021005 05021396	Washer, ½, Flat, SAE, Mil-Carb, Zinc Washer, ½, Flat, SAE, Mil-Carb, SST
28	4	05021367 05021396	Washer, ½", Lock, Zinc Washer, ½", Lock, SST
29	10	05021307 05021390	Washer, ¾", Flat, Zinc Washer, ¾", Flat, SST

00056262 CONVEYOR DRIVE KIT, 50:1, 2 SHAFT

Item	Qty	Part Number	Description
1	2	00053172-A	Slider Plate Weldment, Bearing Adjuster, MS
	2	00053172-B	Slider Plate Weldment, Bearing Adjuster, 304 SST
2	3	05030006	Bearing, 2 Four Bolt Flange
3	1	05039001	Shaft, Idler, 2" x 32" OAL, $\frac{1}{2}$ " KW
4	1	05007327	Shaft, Output, 2 x 32.875
5	3	05050053	Key Machinery, $\frac{1}{2}$ " x $2\frac{1}{2}$ "
6	4	05033004	Sprocket
7	1	05007438	Gearbox, 50:1, RH (See page 158-159)
8	2	05050212	Bushing, UHMW $1\frac{1}{16}$ " ID x $1\frac{1}{32}$ " x 4"
9	2	05035071	Spring, Compression $2\frac{3}{16}$ " OD
10	2	00048757-A 00048757-B 00048757-C	Adjuster Angle, Bearing, MS Adjuster Angle, Bearing, 304 SST Adjuster Angle, Bearing, 409 SST
11	1	00053200-A 00053200-B 00053200-C	Cover, Shaft, Rear, MS Cover, Shaft, Rear, 304 SST Cover, Shaft, Rear, 409 SST
12	2	05050056	Wiper, $\frac{1}{16}$ " x 5" x 17"
13	2	00053253-A 00053253-B 00053253-C	Support, Rubber, Flap, MS Support, Rubber, Flap, 304 SST Support, Rubber, Flap, 409 SST
14	1	00028058-A 00028058-B 00028058-C	Plate, Conveyor, Enclosure, MS Plate, Conveyor, Enclosure, 304 SST Plate, Conveyor, Enclosure, 409 SST
15	2	05016043 00035148	Bolt, $\frac{3}{8}$ -10 x $14\frac{1}{2}$ " with $10\frac{1}{4}$ " Thread Bearing Adjuster Bolt Weldment, SST
16	8	05020123 05020803	Nut, $\frac{3}{8}$ -10, G2, Jam, Zinc Nut, $\frac{3}{8}$ -10, Jam, SST
17	2	05021312 05021304	Washer, $\frac{3}{16}$ ", Flat, Zinc Washer, $\frac{3}{16}$ ", Flat, SST
18	12	05010692 05016204	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", HHCS, SST
19	8	05010689 05016047	Bolt, $\frac{1}{2}$ -13 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x 1, HHCS, SST
20	4	05010691 05016096	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$, HHCS, G8, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$, HHCS, SST
21	3	05013987 05016746	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", G5, CRG, Zinc Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", CRG,SST
22	7	05010644 05016049	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$ ", HHCS, SST
23	4	05010642 05016050	Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, HHCS, SST
24	16	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
25	10	05020898 05020891	Nut, $\frac{3}{16}$ -16, Toplock, C&W, GR, C Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
26	4	05021309 05021391	Washer, $\frac{1}{2}$, Flat, Zinc Washer, $\frac{1}{2}$, Flat, SST
27	16	05021005 05021396	Washer, $\frac{1}{2}$, Flat, SAE, Mil-Carb, Zinc Washer, $\frac{1}{2}$, Flat, SAE, Mil-Carb, SST
28	4	05021367 05021396	Washer, $\frac{1}{2}$ ", Lock, Zinc Washer, $\frac{1}{2}$ ", Lock, SST
29	10	05021307 05021390	Washer, $\frac{3}{16}$ ", Flat, Zinc Washer, $\frac{3}{16}$ ", Flat, SST

MOTOR KITS

00056249 MOTOR KIT, WHITE, 6.3 CID

Item	Qty	Part Number	Description
1	1	05006550	Motor, Hydraulic, White, 6.3 CID, 1" Shaft (See pages 144-145)
2	4	05010642	Bolt, $\frac{3}{8}$ -16 x $\frac{7}{8}$ ", G8, HHCS, Zinc
3	4	05021365	Washer, $\frac{3}{8}$ ", Lock, Zinc

00063495 MOTOR KIT, WHITE, 6.3 CID, SPEED SENSOR

Item	Qty	Part Number	Description
1	1	05006687	Motor, Hydraulic, White, 6.3 CID, with Speed Sensor (See pages 146-147)
2	4	05010645	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{2}$ ", G8, HHCS, Zinc
3	4	05021365	Washer, $\frac{3}{8}$ ", Lock, Zinc

00071828 MOTOR KIT, WHITE, 17.9 CID, 6:1 GEARBOX

Item	Qty	Part Number	Description
1	1	05006548	Motor, Hydraulic, White, 17.9 CID (See pages 148-149)
2	2	05010691	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$ ", G8, HHCS, Zinc
3	2	05021367	Washer, $\frac{1}{2}$ ", Lock, Zinc

00071778 MOTOR KIT, WHITE, 17.9 CID, 6:1 GEARBOX, SPEED SENSOR

Item	Qty	Part Number	Description
1	1	05006596	Motor, Hydraulic, White, 17.9 CID, with Speed Sensor (See pages 150-151)
2	2	05010691	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{2}$ ", G8, HHCS, Zinc
3	2	05021367	Washer, $\frac{1}{2}$ ", Lock, Zinc

MOTOR KITS (*Continued*)

00065497 MOTOR KIT, EATON, 5.9 CID

Item	Qty	Part Number	Description
1	1	05006587	Motor, Hydraulic, Eaton, 5.9 CID, 4-Bolt (See pages 156-157)
2	4	05010642	Bolt, $\frac{3}{8}$ -16 x $\frac{7}{8}$ ", G8, HHCS, Zinc
3	4	05021365	Washer, $\frac{3}{8}$ ", Lock, Zinc

00068550 MOTOR KIT, EATON, 5.9 CID, SPEED SENSOR, WEATHERPACK

Item	Qty	Part Number	Description
1	1	05006000	Motor, Hydraulic, Eaton, 5.9 CID, with Speed Sensor (See pages 156-157)
2	4	05010645	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{2}$ ", G8, HHCS, Zinc
3	4	05021365	Washer, $\frac{3}{8}$ ", Lock, Zinc

PINTLE CHAINS

CHAIN BAR EVERY LINK

Call factory for availability.

$\frac{1}{4}$ " X $1\frac{1}{2}$ " CROSS BARS ON $4\frac{1}{2}$ " CENTERS $20\frac{1}{4}$ " CENTER TO CENTER ON SPROCKETS

Item	Qty	Part Number	Description
	1	05036251	Chain, Pintle, 109 Links, 54 Flites, 9' Box
	1	05036252	Chain, Pintle, 120 Links, 60 Flites, 10' Box
	1	05036253	Chain, Pintle, 131 Links, 65 Flites, 11' Box
	1	05036254	Chain, Pintle, 142 Links, 71 Flites, 12' Box
	1	05036255	Chain, Pintle, 152 Links, 76 Flites, 13' Box
	1	05036256	Chain, Pintle, 162 Links, 81 Flites, 14' Box
	1	05036257	Chain, Pintle, 173 Links, 86 Flites, 15' Box
	1	05036258	Chain, Pintle, 184 Links, 92 Flites, 16' Box
	1	05036261	Chain, Pintle, 195 Links, 97 Flites, 17' Box

$\frac{3}{8}$ " X $1\frac{1}{2}$ " CROSS BARS ON $4\frac{1}{2}$ " CENTERS $20\frac{1}{4}$ " CENTER TO CENTER ON SPROCKETS

Item	Qty	Part Number	Description
	1	05036266	Chain, Pintle, 109 Links, 54 Flites, 9' Box
	1	05036267	Chain, Pintle, 120 Links, 60 Flites, 10' Box
	1	05036268	Chain, Pintle, 131 Links, 65 Flites, 11' Box
	1	05036269	Chain, Pintle, 142 Links, 71 Flites, 12' Box
	1	05036270	Chain, Pintle, 152 Links, 76 Flites, 13' Box
	1	05036271	Chain, Pintle, 162 Links, 81 Flites, 14' Box
	1	05036272	Chain, Pintle, 173 Links, 86 Flites, 15' Box
	1	05036273	Chain, Pintle, 184 Links, 92 Flites, 16' Box
	1	05036392	Chain, Pintle, 195 Links, 97 Flites, 17' Box

PINTLE CHAINS (Continued)

ROLLER CHAIN, #2, $\frac{3}{8}$ " X $1\frac{1}{2}$ " CROSS BARS

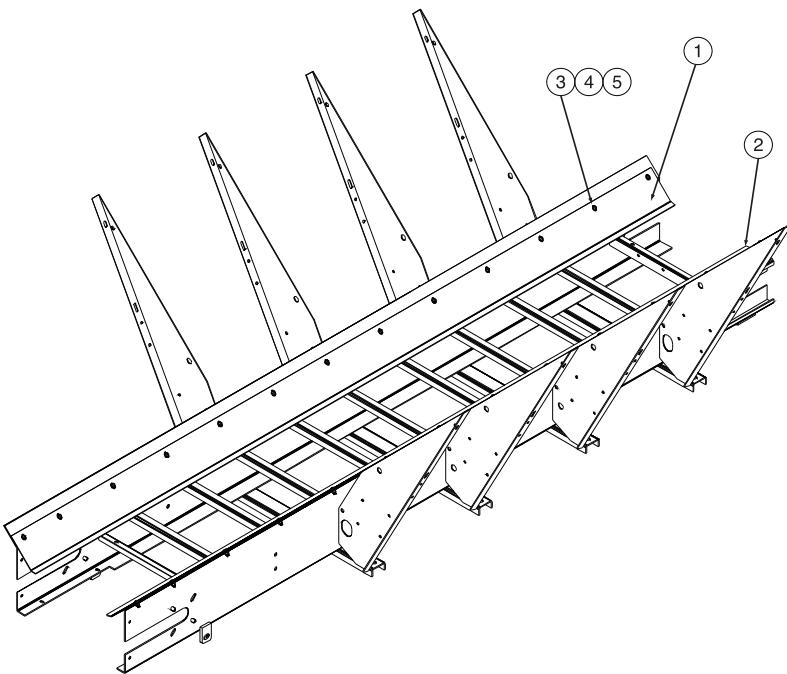
Item	Qty	Part Number	Description
1	1	05036004	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 10' Box
	1	05036005	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 11' Box
	1	05036006	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 12' Box
	1	05036007	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 13' Box
	1	05036008	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 14' Box
	1	05036009	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 15' Box
	1	05036015	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 16' Box
	1	05036099	Chain, Roller, #2, $\frac{3}{8}$ " x $1\frac{1}{2}$ " Flites, 17' Box
2	1	05033005	Sprocket, 8-Tooth, #2 Roller Chain, $1\frac{1}{2}$ " Bore
	1	05033000	Sprocket, 8-Tooth, #2 Roller Chain, 2" Bore

BELT OVER CHAIN, MSV

Call factory for availability.

SEE PAGE 167 FOR CUSTOM CHAIN ORDER FORM.

CHAIN COVER KITS, MSV



00058947 CHAIN COVER KIT, 8'

Item	Qty	Part Number	Description
1	1	00055810-A	Chain Cover, 8', RH, 10 Gauge, MS
	1	00055810-C	Chain Cover, 8', RH, 10 Gauge, 304 SST
2	1	00055810-B	Chain Cover, 8', LH, 10 Gauge, MS
	1	00055810-D	Chain Cover, 8', LH, 10 Gauge, 304 SST
3	22	05013986	Bolt, $\frac{3}{8}$ -16 x 1", G5, CRG, Zinc
	22	05016003	Bolt, $\frac{3}{8}$ -16 x 1", G5, CRG, SST
4	22	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	22	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	22	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	22	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00058948 CHAIN COVER KIT, 9'

Item	Qty	Part Number	Description
1	1	00055820-A	Chain Cover, 9', RH, 10 Gauge, MS
	1	00055820-C	Chain Cover, 9', RH, 10 Gauge, 304 SST
2	1	00055820-B	Chain Cover, 9', LH, 10 Gauge, MS
	1	00055820-D	Chain Cover, 9', LH, 10 Gauge, 304 SST
3	24	05013986	Bolt, $\frac{3}{8}$ -16 x 1", G5, CRG, Zinc
	24	05016003	Bolt, $\frac{3}{8}$ -16 x 1", G5, CRG, SST
4	24	05020898	Nut, $\frac{3}{8}$ -16, Toplock, C&W, GR C
	24	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	24	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	24	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

CHAIN COVER KITS, MSV (Continued)

00058949 CHAIN COVER KIT, 10'

Item	Qty	Part Number	Description
1	1	00055830-A	Chain Cover, 10', RH, 10 Gauge, MS
	1	00055830-C	Chain Cover, 10', RH, 10 Gauge, 304 SST
2	1	00055830-B	Chain Cover, 10', LH, 10 Gauge, MS
	1	00055830-D	Chain Cover, 10', LH, 10 Gauge, 304 SST
3	26	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	26	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	26	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	26	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	26	05021307	Washer, $\frac{3}{16}$ ", Flat, Zinc
	26	05021390	Washer, $\frac{3}{16}$ ", Flat, SST

00058950 CHAIN COVER KIT, 11'

Item	Qty	Part Number	Description
1	1	00055840-A	Chain Cover, 11', RH, 10 Gauge, MS
	1	00055840-C	Chain Cover, 11', RH, 10 Gauge, 304 SST
2	1	00055840-B	Chain Cover, 11', LH, 10 Gauge, MS
	1	00055840-D	Chain Cover, 11', LH, 10 Gauge, 304 SST
3	28	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	28	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	28	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	28	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	28	05021307	Washer, $\frac{3}{16}$ ", Flat, Zinc
	28	05021390	Washer, $\frac{3}{16}$ ", Flat, SST

00058951 CHAIN COVER KIT, 12'

Item	Qty	Part Number	Description
1	1	00055850-A	Chain Cover, 12', RH, 10 Gauge, MS
	1	00055850-C	Chain Cover, 12', RH, 10 Gauge, 304 SST
2	1	00055850-B	Chain Cover, 12', LH, 10 Gauge, MS
	1	00055850-D	Chain Cover, 12', LH, 10 Gauge, 304 SST
3	30	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	30	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	30	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	30	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	30	05021307	Washer, $\frac{3}{16}$ ", Flat, Zinc
	30	05021390	Washer, $\frac{3}{16}$ ", Flat, SST

CHAIN COVER KITS, MSV (Continued)

00058952 CHAIN COVER KIT, 13'

Item	Qty	Part Number	Description
1	1	00055860-A	Chain Cover, 13', RH, 10 Gauge, MS
	1	00055860-C	Chain Cover, 13', RH, 10 Gauge, 304 SST
2	1	00055860-B	Chain Cover, 13', LH, 10 Gauge, MS
	1	00055860-D	Chain Cover, 13', LH, 10 Gauge, 304 SST
3	32	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	32	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	32	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	32	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	32	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	32	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00058953 CHAIN COVER KIT, 14'

Item	Qty	Part Number	Description
1	1	00055870-A	Chain Cover, 14', RH, 10 Gauge, MS
	1	00055870-C	Chain Cover, 14', RH, 10 Gauge, 304 SST
2	1	00055870-B	Chain Cover, 14', LH, 10 Gauge, MS
	1	00055870-D	Chain Cover, 14', LH, 10 Gauge, 304 SST
3	34	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	34	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	34	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	34	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	34	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	34	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

00058954 CHAIN COVER KIT, 15'

Item	Qty	Part Number	Description
1	1	00055880-A	Chain Cover, 15', RH, 10 Gauge, MS
	1	00055880-C	Chain Cover, 15', RH, 10 Gauge, 304 SST
2	1	00055880-B	Chain Cover, 15', LH, 10 Gauge, MS
	1	00055880-D	Chain Cover, 15', LH, 10 Gauge, 304 SST
3	36	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	36	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	36	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	36	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	36	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	36	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

CHAIN COVER KITS, MSV (Continued)

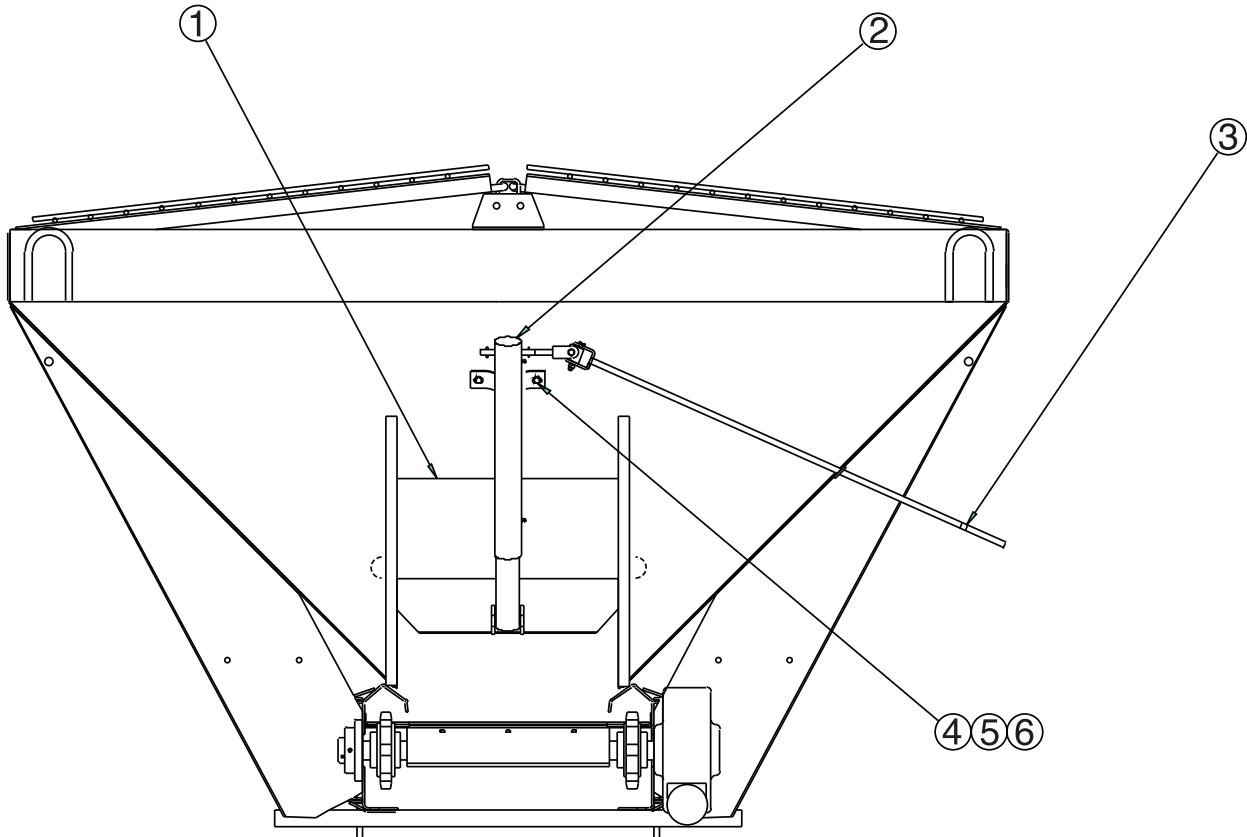
00058955 CHAIN COVER KIT, 16'

Item	Qty	Part Number	Description
1	1	00055890-A	Chain Cover, 16', RH, 10 Gauge, MS
	1	00055890-C	Chain Cover, 16', RH, 10 Gauge, 304 SST
2	1	00055890-B	Chain Cover, 16', LH, 10 Gauge, MS
	1	00055890-D	Chain Cover, 16', LH, 10 Gauge, 304 SST
3	38	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	38	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	38	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	38	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	38	05021307	Washer, $\frac{3}{16}$ ", Flat, Zinc
	38	05021390	Washer, $\frac{3}{16}$ ", Flat, SST

00058956 CHAIN COVER KIT, 17'

Item	Qty	Part Number	Description
1	1	00028046-A	Chain Cover, 17', RH, 10 Gauge, MS
	1	00028046-C	Chain Cover, 17', RH, 10 Gauge, 304 SST
2	1	00028046-B	Chain Cover, 17', LH, 10 Gauge, MS
	1	00028046-D	Chain Cover, 17', LH, 10 Gauge, 304 SST
3	40	05013986	Bolt, $\frac{3}{16}$ x 1", G5, CRG, Zinc
	40	05016003	Bolt, $\frac{3}{16}$ x 1", G5, CRG, SST
4	40	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	40	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
5	40	05021307	Washer, $\frac{3}{16}$ ", Flat, Zinc
	40	05021390	Washer, $\frac{3}{16}$ ", Flat, SST

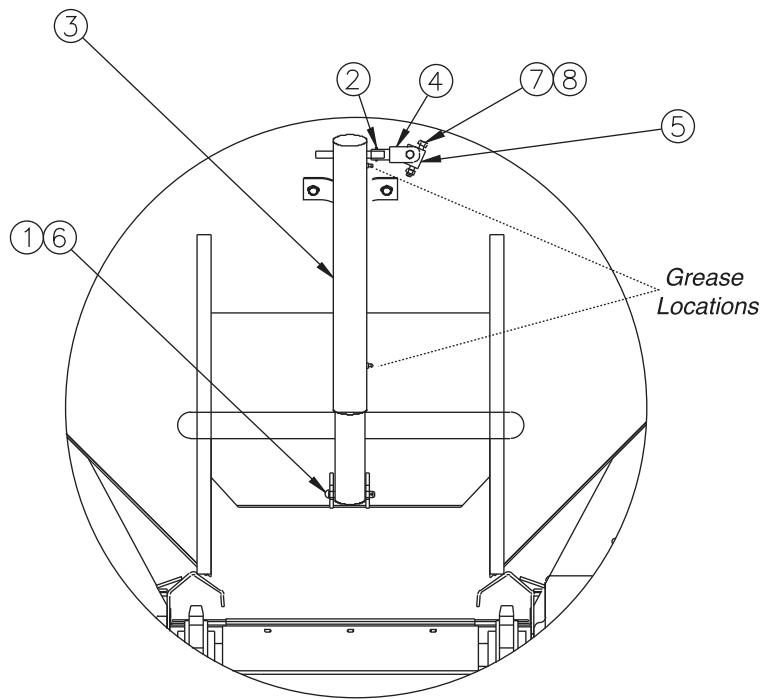
DOOR KIT, MV/MSV



00056250 DOOR KIT, RR

Item	Qty	Part Number	Description
1	1	00053192-A	Door Weldment, Rear, 10 Gauge, MS
	1	00053192-B	Door Weldment, Rear, 10 Gauge, 304 SST
2	1	00012233	Jack Assembly, Door (See page 46)
3	1	00052283	Crank Assembly, Jack, 39", MS
	1	00052285	Crank Assembly, Jack, 39", 304 SST
4	2	05010643	Bolt, $\frac{3}{16}$ x 1", G8, HHCS, Zinc
	2	05016034	Bolt, $\frac{3}{16}$ x 1", G8, HHCS, SST
5	2	05020898	Nut, $\frac{3}{16}$, Toplock, C&W, GR C
	2	05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST
6	2	05021307	Washer, $\frac{3}{16}$ ", Flat, Zinc
	2	05021390	Washer, $\frac{3}{16}$ ", Flat, SST

DOOR KIT, MV/MSV (Continued)



00012233 JACK ASSEMBLY, DOOR

Item	Qty	Part Number	Description
1	1	05022134	Pin, $\frac{3}{16}$ " Dia. x 3" OAL, Clevis, Zinc
2	1	05022072	Pin, $\frac{3}{32}$ " x $\frac{1}{8}$ " Roll, Zinc
3	1	00083703	Jack, Door, New Style, Universal
4	1	05050258	Clevis, Door Jack
5	1	05051455	Universal Joint, UHMW, $1\frac{1}{4}$ " Square
6	1	05022021	Pin, $\frac{1}{8}$ " x 1", Cotter
7	2	05016143	Bolt, $\frac{5}{16}$ -18 x 2 $\frac{1}{4}$ ", G8, HHCS, SST
8	2	05020907	Nut, $\frac{5}{16}$ -18, GC, Toplock, C&W

INVERTED V, MV/MSV

00012442 INVERTED V, 8' - 9'

Item	Qty	Part Number	Description
1	1	00026220-A 00026220-B	Inverted V Weldment, 8' & 9', MS Inverted V Weldment, 8' & 9', 304 SST
2	2	00053221-A 00053221-B	Cross Channel, Inverted V, MS Cross Channel, Inverted V, 304 SST
3	12	05010690 05016045	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", HHCS, SST
4	12	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
5	12	05021309 05021391	Washer, $\frac{1}{2}$ ", Flat, Zinc Washer, $\frac{1}{2}$ ", Flat, SST
<i>Items 3-5, in Zinc, can be ordered as a Bolt Kit, Part Number 00051801</i>			
<i>Items 3-5, in SST, can be ordered as a Bolt Kit, Part Number 00051803</i>			

00012420 INVERTED V, 10' - 11'

Item	Qty	Part Number	Description
1	1	00026221-A 00026221-B	Inverted V Weldment, 10' & 11', MS Inverted V Weldment, 10' & 11', 304 SST
2	2	00053221-A 00053221-B	Cross Channel, Inverted V, MS Cross Channel, Inverted V, 304 SST
3	12	05010690 05016045	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", HHCS, SST
4	12	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
5	12	05021309 05021391	Washer, $\frac{1}{2}$ ", Flat, Zinc Washer, $\frac{1}{2}$ ", Flat, SST
<i>Items 3-5, in Zinc, can be ordered as a Bolt Kit, Part Number 00051801</i>			
<i>Items 3-5, in SST, can be ordered as a Bolt Kit, Part Number 00051803</i>			

00012443 INVERTED V, 12' - 13'

Item	Qty	Part Number	Description
1	1	00026222-A 00026222-B	Inverted V Weldment, 12' & 13', MS Inverted V Weldment, 12' & 13', 304 SST
2	2	00053221-A 00053221-B	Cross Channel, Inverted V, MS Cross Channel, Inverted V, 304 SST
3	12	05010690 05016045	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", HHCS, SST
4	12	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
5	12	05021309 05021391	Washer, $\frac{1}{2}$ ", Flat, Zinc Washer, $\frac{1}{2}$ ", Flat, SST
<i>Items 3-5, in Zinc, can be ordered as a Bolt Kit, Part Number 00051801</i>			
<i>Items 3-5, in SST, can be ordered as a Bolt Kit, Part Number 00051803</i>			

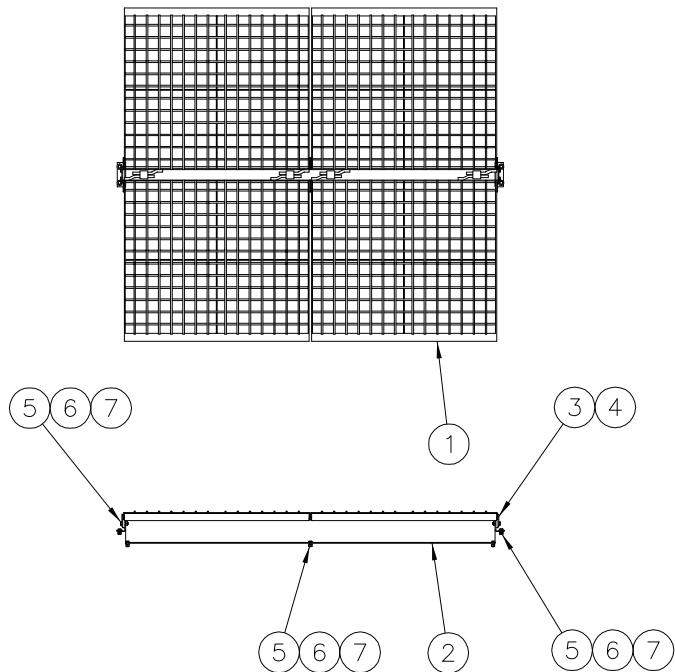
00012444 INVERTED V, 14' - 15'

Item	Qty	Part Number	Description
1	1 1	00026223-A 00026223-B	Inverted V Weldment, 14' & 15', MS Inverted V Weldment, 14' & 15', 304 SST
2	3 3	00053221-A 00053221-B	Cross Channel, Inverted V, MS Cross Channel, Inverted V, 304 SST
3	18 18	05010690 05016045	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", HHCS, SST
4	18 18	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
5	18 18	05021309 05021391	Washer, $\frac{1}{2}$ ", Flat, Zinc Washer, $\frac{1}{2}$ ", Flat, SST
Items 3-5, in Zinc, can be ordered as a Bolt Kit, Part Number 00051802			
Items 3-5, in SST, can be ordered as a Bolt Kit, Part Number 00051804			

00012445 INVERTED V, 14' - 15'

Item	Qty	Part Number	Description
1	1 1	00026224-A 00026224-B	Inverted V Weldment, 16' & 17', MS Inverted V Weldment, 16' & 17', 304 SST
2	3 3	00053221-A 00053221-B	Cross Channel, Inverted V, MS Cross Channel, Inverted V, 304 SST
3	18 18	05010690 05016045	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$ ", HHCS, SST
4	18 18	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
5	18 18	05021309 05021391	Washer, $\frac{1}{2}$ ", Flat, Zinc Washer, $\frac{1}{2}$ ", Flat, SST
Items 3-5, in Zinc, can be ordered as a Bolt Kit, Part Number 00051802			
Items 3-5, in SST, can be ordered as a Bolt Kit, Part Number 00051804			

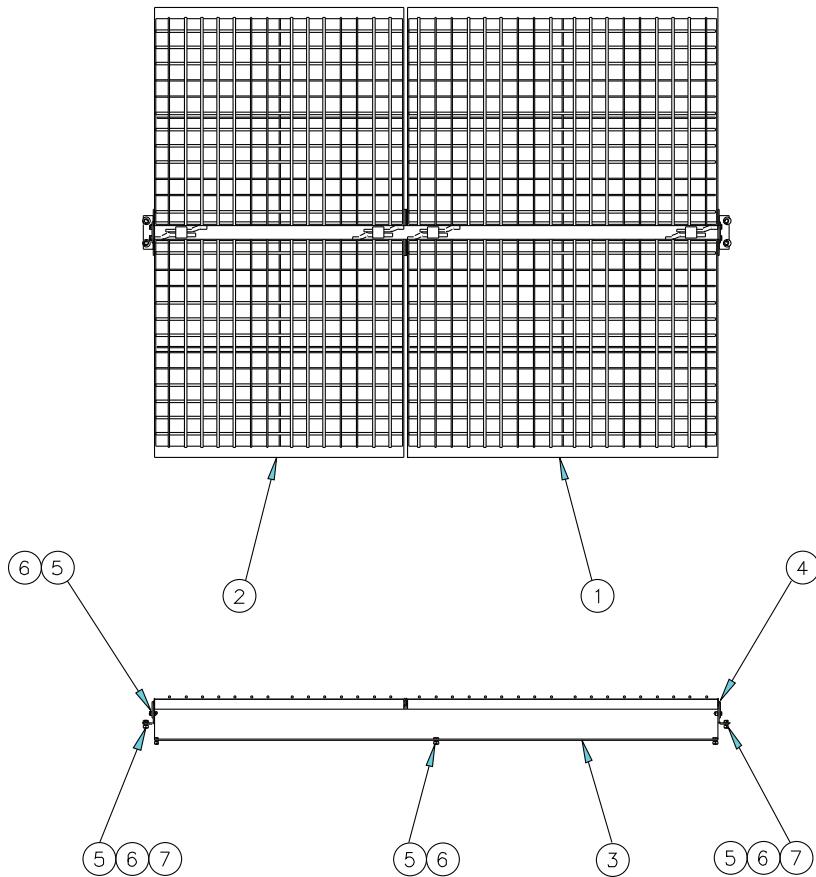
TOP GRATE KITS, MV/MSV



00022465 TOP GRATE KIT, 8'

Item	Qty	Part Number	Description
1	4	00056016	Top Grate Weldment, 4'
2	1	00022467	Top Beam Weldment, 8'
3	2	00053809-A	Stop, Top Beam
4	2	00067449	Spacer, Top Beam Stop
5	10	05010689	Bolt, 1/2-13 x 1", G8, HHCS, Zinc
	10	05016047	Bolt, 1/2-13 x 1", HHCS, SST
6	14	05020847	Nut, 1/2-13, GC, Toplock, C&W
	14	05020908	Nut, 1/2-13, Nylon Lock, SST
7	4	05021309	Washer, 1/2", Flat, Zinc
	4	05031391	Washer, 1/2", Flat, SST
8	4	05010691	Bolt, 1/2-13 x 1 1/2", G8, HHCS, Zinc
	4	05016096	Bolt, 1/2-13 x 1 1/2", HHCS, SST

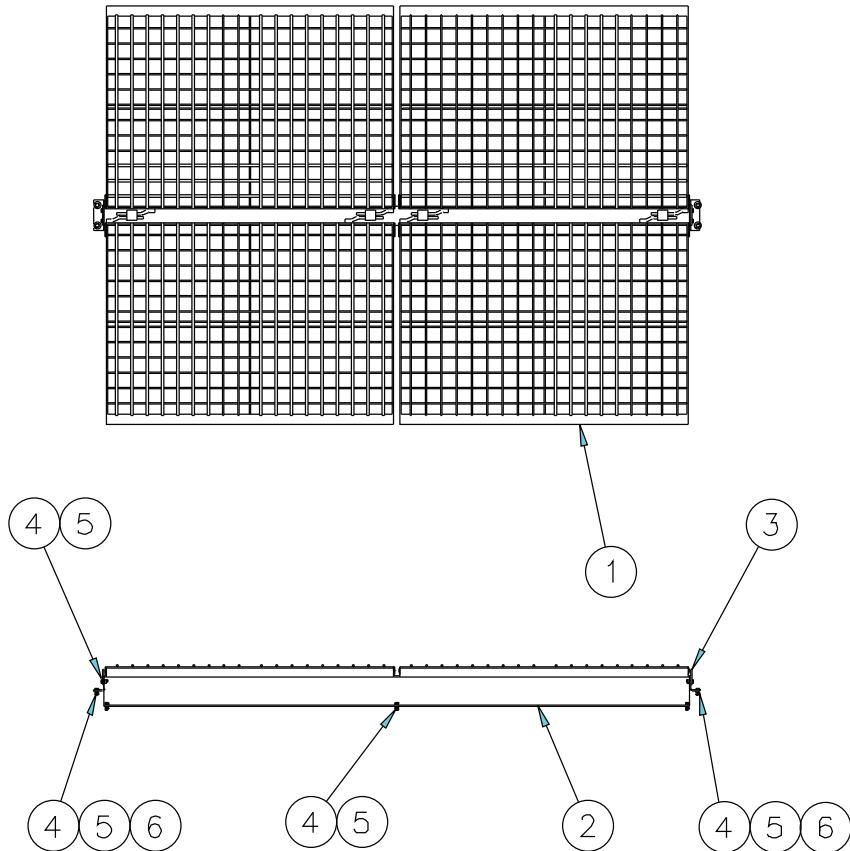
TOP GRATE KITS, MV/MSV (Continued)



00022468 TOP GRATE KIT, 9'

Item	Qty	Part Number	Description
1	2	00056024	Top Grate Weldment, 5'
2	2	00056016	Top Grate Weldment, 4'
3	1	00022470	Top Beam Weldment, 9'
4	2	00053809-A	Stop, Top Beam
5	14	05010689	Bolt, $\frac{1}{2}$ -13 x 1", G8, HHCS, Zinc
	14	05016047	Bolt, $\frac{1}{2}$ -13 x 1", HHCS, SST
6	14	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
	14	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
7	4	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
	4	05031391	Washer, $\frac{1}{2}$ ", Flat, SST

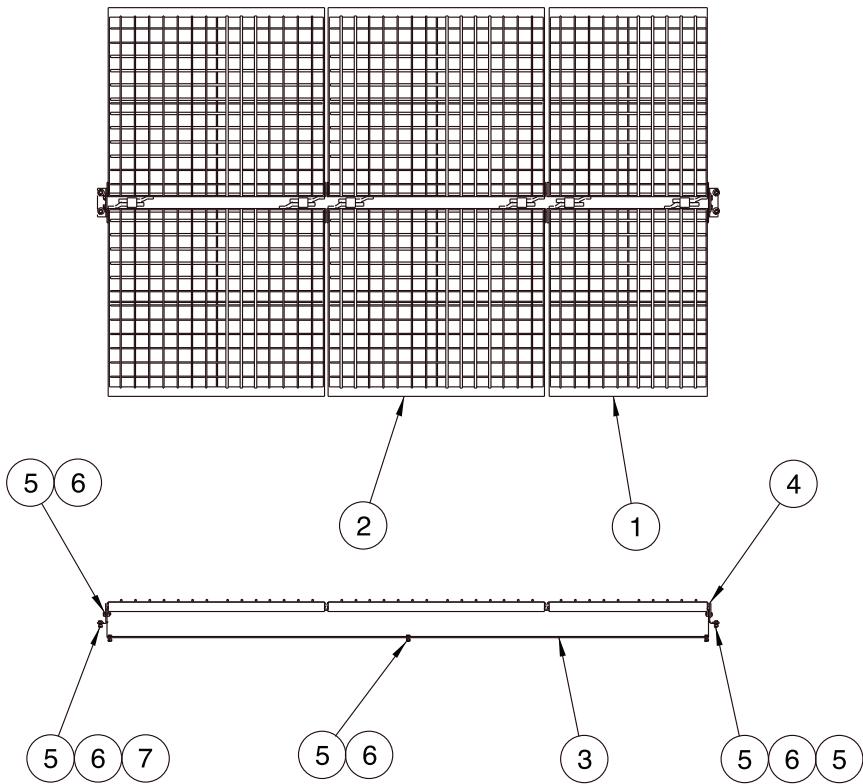
TOP GRATE KITS, MV/MSV (Continued)



00022471 TOP GRATE KIT, 10'

Item	Qty	Part Number	Description
1	4	00056024	Top Grate Weldment, 5'
2	1	00022473	Top Beam Weldment, 10'
3	2	00053809-A	Stop, Top Beam
4	14	05010689	Bolt, 1/2-13 x 1", G8, HHCS, Zinc
	14	05016047	Bolt, 1/2-13 x 1", HHCS, SST
5	14	05020847	Nut, 1/2-13, GC, Toplock, C&W
	14	05020908	Nut, 1/2-13, Nylon Lock, SST
6	4	05021309	Washer, 1/2", Flat, Zinc
	4	05031391	Washer, 1/2", Flat, SST

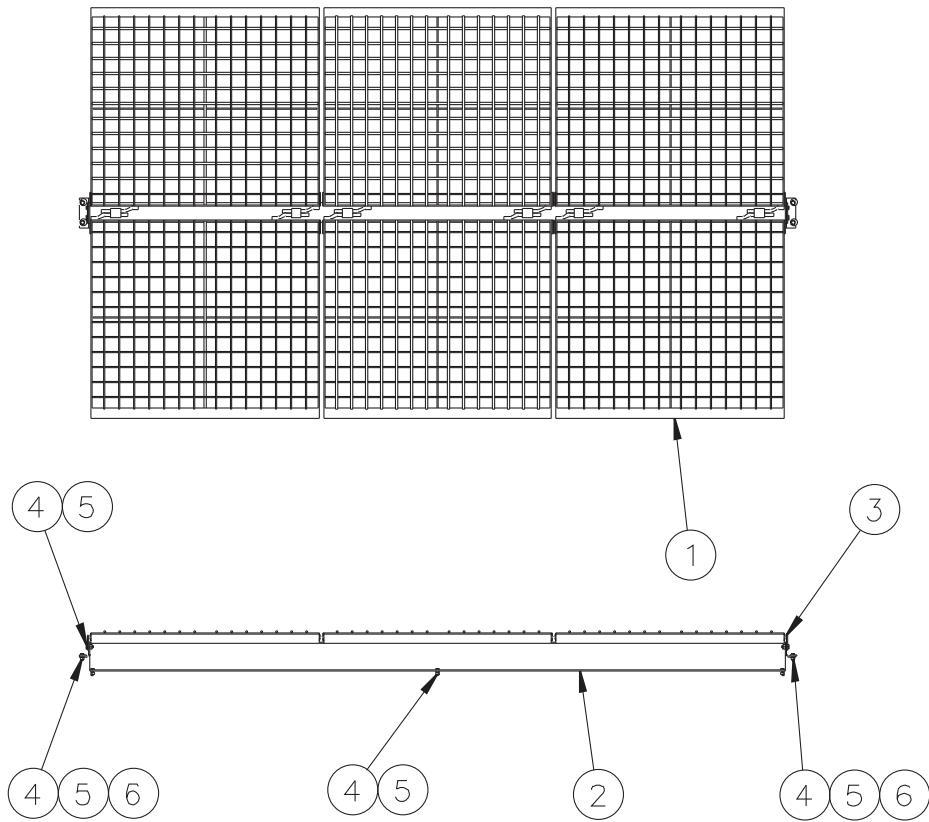
TOP GRATE KITS, MV/MSV (Continued)



00022474 TOP GRATE KIT, 11'

Item	Qty	Part Number	Description
1	2	00056000	Top Grate Weldment, 3'
2	4	00056016	Top Grate Weldment, 4'
3	1	00022476	Top Beam Weldment, 11'
4	2	00053809-A	Stop, Top Beam
5	14	05010689	Bolt, $\frac{1}{2}$ -13 x 1", G8, HHCS, Zinc
	14	05016047	Bolt, $\frac{1}{2}$ -13 x 1", HHCS, SST
6	14	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
	14	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
7	4	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
	4	05031391	Washer, $\frac{1}{2}$ ", Flat, SST

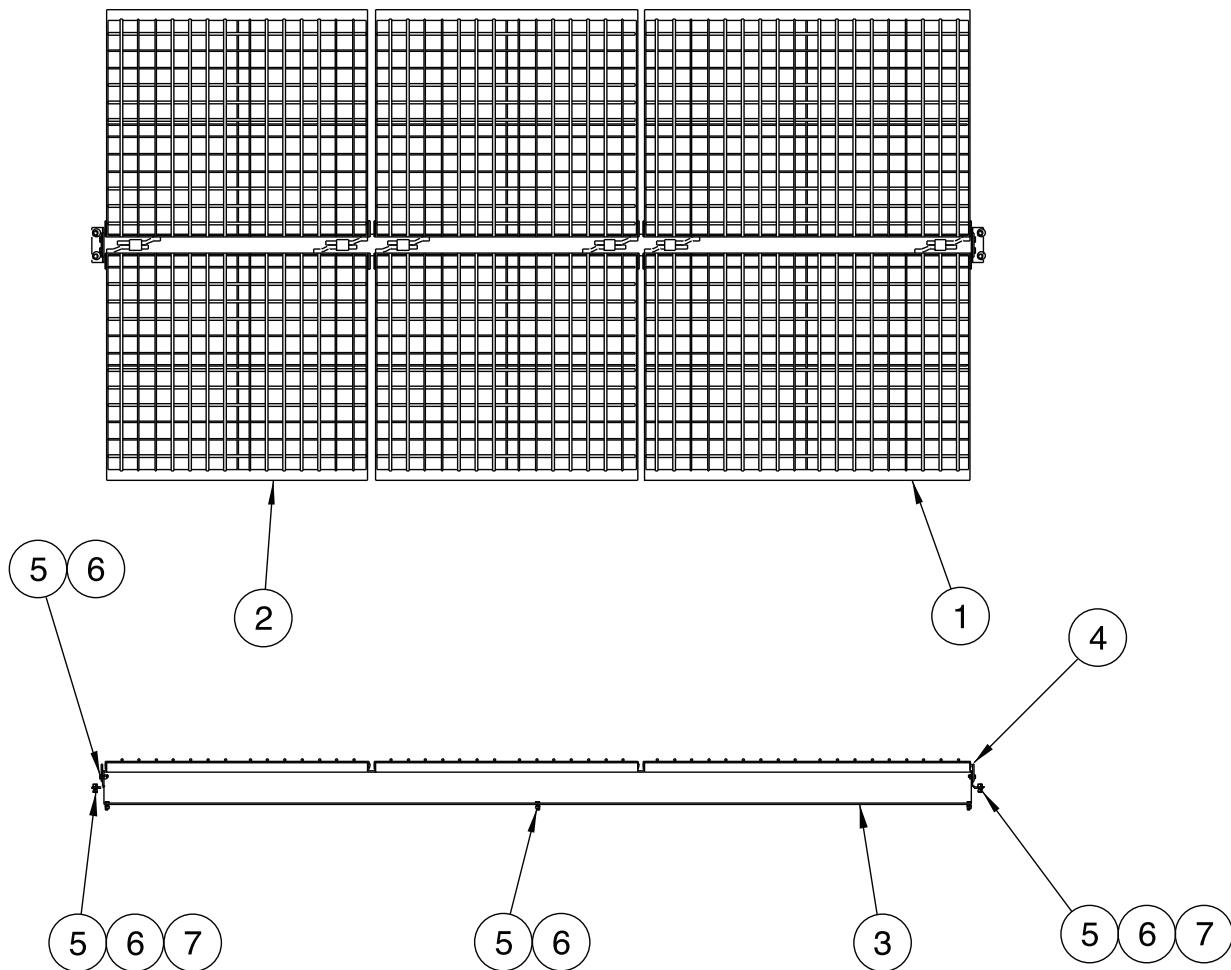
TOP GRATE KITS, MV/MSV (Continued)



00022477 TOP GRATE KIT, 12'

Item	Qty	Part Number	Description
1	6	00056016	Top Grate Weldment, 4'
2	1	00022479	Top Beam Weldment, 12'
3	2	00053809-A	Stop, Top Beam
4	14	05010689	Bolt, 1/2-13 x 1", G8, HHCS, Zinc
	14	05016047	Bolt, 1/2-13 x 1", HHCS, SST
5	14	05020847	Nut, 1/2-13, GC, Toplock, C&W
	14	05020908	Nut, 1/2-13, Nylon Lock, SST
6	4	05021309	Washer, 1/2", Flat, Zinc
	4	05031391	Washer, 1/2", Flat, SST

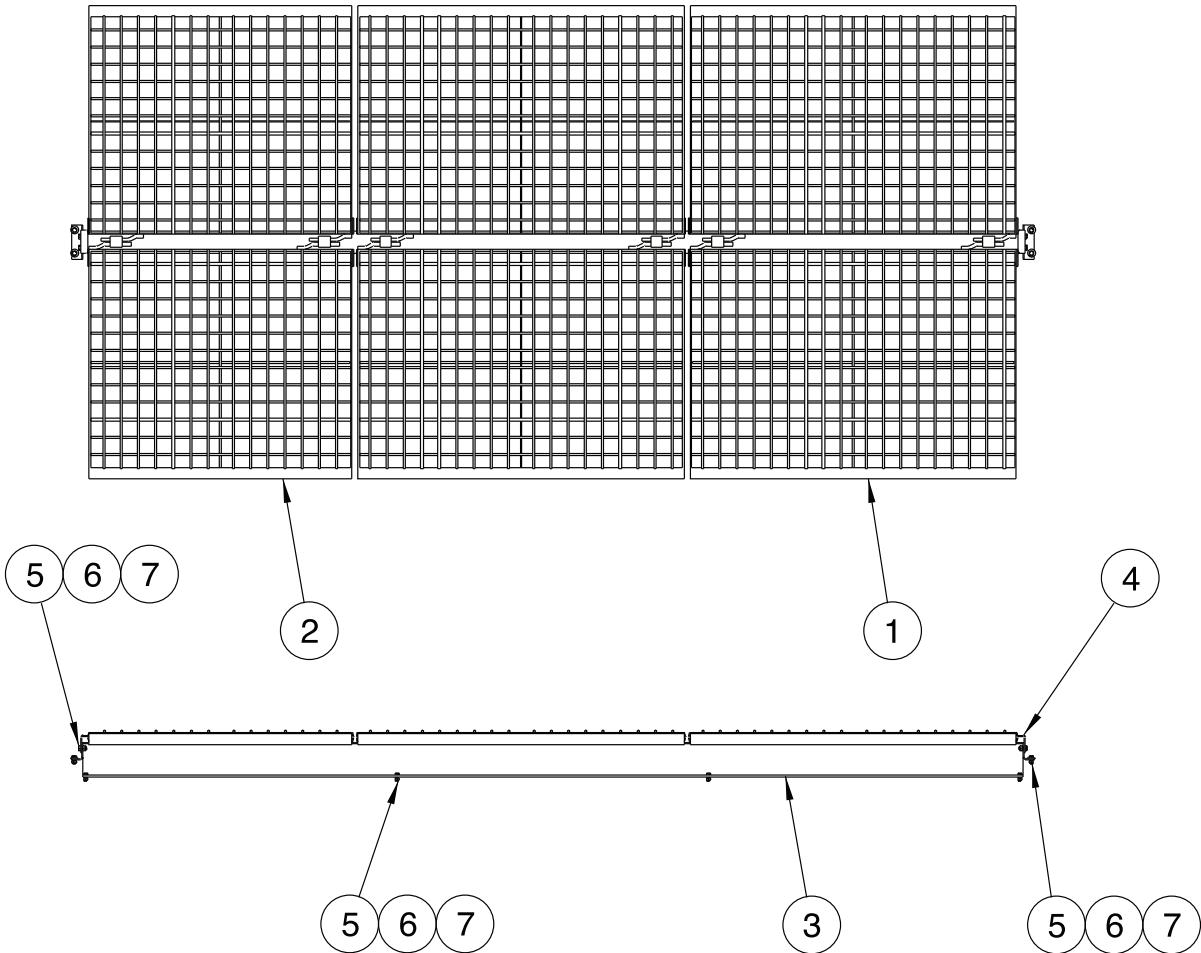
TOP GRATE KITS, MV/MSV (Continued)



00022480 TOP GRATE KIT, 13'

Item	Qty	Part Number	Description
1	2	00056024	Top Grate Weldment, 5'
2	4	00056016	Top Grate Weldment, 4'
3	1	00022482	Top Beam Weldment, 13'
4	2	00053809-A	Stop, Top Beam
5	14	05010689	Bolt, $\frac{1}{2}$ -13 x 1", G8, HHCS, Zinc
6	14	05016047	Bolt, $\frac{1}{2}$ -13 x 1", HHCS, SST
7	14	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
8	14	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
9	4	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
10	4	05031391	Washer, $\frac{1}{2}$ ", Flat, SST

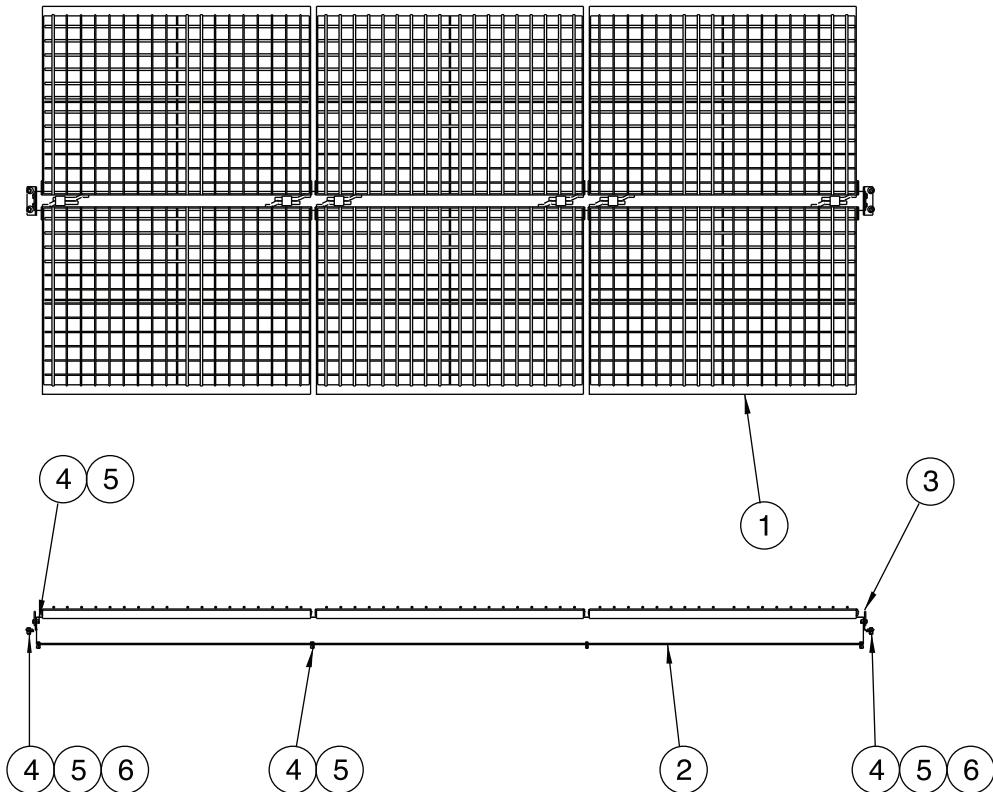
TOP GRATE KITS, MV/MSV (Continued)



00022483 TOP GRATE KIT, 14'

Item	Qty	Part Number	Description
1	4	00056024	Top Grate Weldment, 5'
2	2	00056016	Top Grate Weldment, 4'
3	1	00022485	Top Beam Weldment, 14'
4	2	00010020-A	Stop, Top Beam
5	16 16	05010689 05016047	Bolt, 1/2-13 x 1", G8, HHCS, Zinc Bolt, 1/2-13 x 1", HHCS, SST
6	16 16	05020847 05020908	Nut, 1/2-13, GC, Toplock, C&W Nut, 1/2-13, Nylon Lock, SST
7	4 4	05021309 05031391	Washer, 1/2", Flat, Zinc Washer, 1/2", Flat, SST

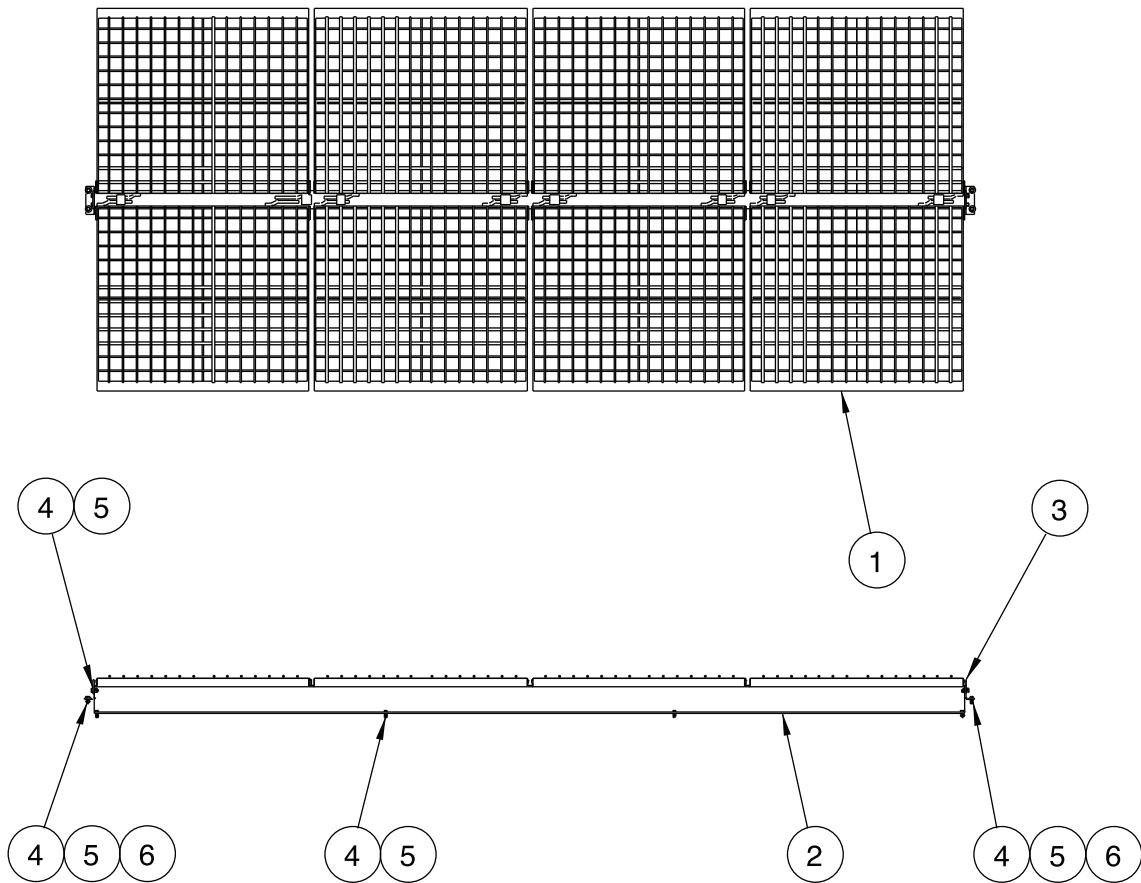
TOP GRATE KITS, MV/MSV (Continued)



00022486 TOP GRATE KIT, 15'

Item	Qty	Part Number	Description
1	6	00056024	Top Grate Weldment, 5'
2	1	00022488	Top Beam Weldment, 15'
3	2	00010020-A	Stop, Top Beam
4	16	05010689	Bolt, $\frac{1}{2}$ -13 x 1", G8, HHCS, Zinc
	16	05016047	Bolt, $\frac{1}{2}$ -13 x 1", HHCS, SST
5	16	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
	16	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
6	4	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
	4	05031391	Washer, $\frac{1}{2}$ ", Flat, SST

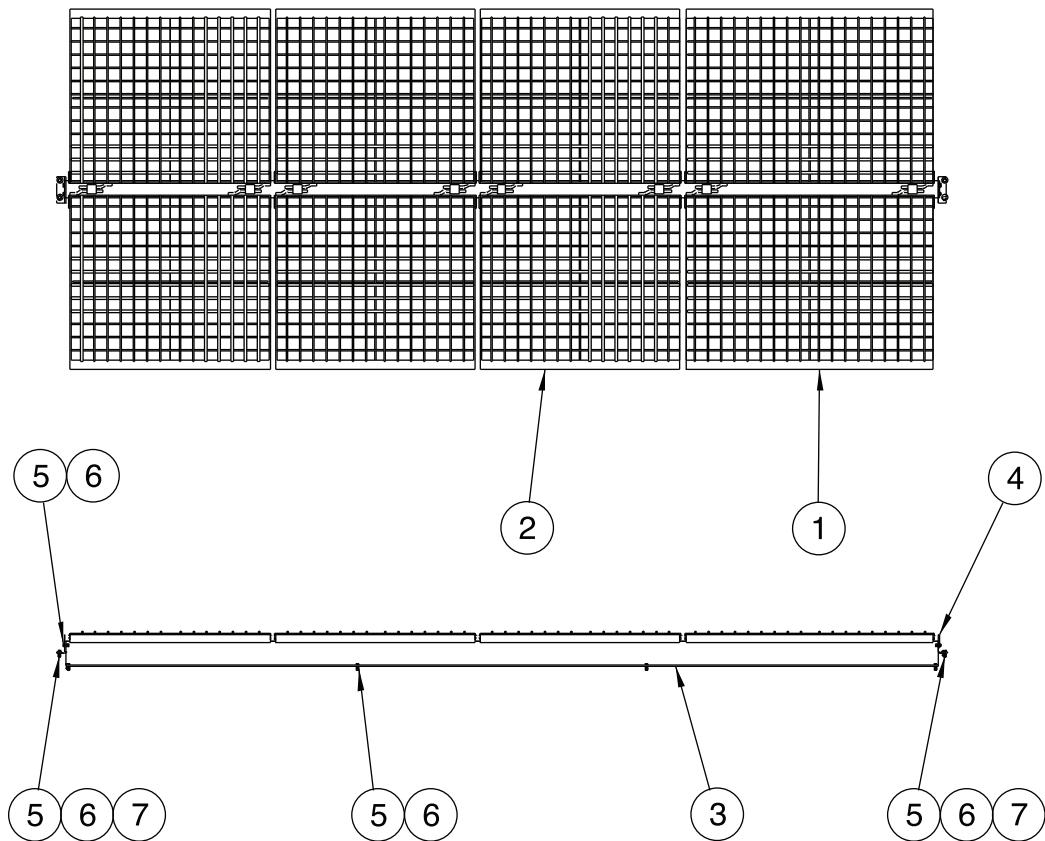
TOP GRATE KITS, MV/MSV (Continued)



00022489 TOP GRATE KIT, 16'

Item	Qty	Part Number	Description
1	8	00056016	Top Grate Weldment, 4'
2	1	00022491	Top Beam Weldment, 16'
3	2	00010020-A	Stop, Top Beam
4	16	05010689	Bolt, 1/2-13 x 1", G8, HHCS, Zinc
	16	05016047	Bolt, 1/2-13 x 1", HHCS, SST
5	16	05020847	Nut, 1/2-13, GC, Toplock, C&W
	16	05020908	Nut, 1/2-13, Nylon Lock, SST
6	4	05021309	Washer, 1/2", Flat, Zinc
	4	05031391	Washer, 1/2", Flat, SST

TOP GRATE KITS, MV/MSV (Continued)



00022492 TOP GRATE KIT, 17'

Item	Qty	Part Number	Description
1	2	00056024	Top Grate Weldment, 5'
2	6	00056016	Top Grate Weldment, 4'
3	1	00022494	Top Beam Weldment, 17'
4	2	00010020-A	Stop, Top Beam
5	16	05010689	Bolt, $\frac{1}{2}$ -13 x 1", G8, HHCS, Zinc
6	16	05016047	Bolt, $\frac{1}{2}$ -13 x 1", HHCS, SST
7	16	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
8	16	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
9	4	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
10	4	05031391	Washer, $\frac{1}{2}$ ", Flat, SST

MOUNTING KITS, MV/MSV

00063492 MOUNTING KIT, 3" RATCHET STRAP, WITH FLAT HOOK

Item	Qty	Part Number	Description
1	4	00063499-A	Mounting Plate Weldment, Ratchet Strap, MS
	4	00063499-B	Mounting Plate Weldment, Ratchet Strap, 304 SST
2	4	00063498-D	Mounting Plate, Bracket, MS
	4	00063498-E	Mounting Plate, Bracket, 304 SST
3	4	05050218	Ratchet Assembly for 3" Strap
4	4	05050293	Strap, 3" x 84" with Flat Hook
5	16	05010690	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", G8, HHCS, Zinc
	16	05016045	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", HHCS, SST
6	12	05010643	Bolt, $\frac{3}{8}$ -16 x 1", G8, HHCS, Zinc
	12	05016034	Bolt, $\frac{3}{8}$ -16 x 1", HHCS, SST
7	16	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
	16	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
8	12	05020898	Nut, $\frac{3}{8}$ -16, GC, Toplock, C&W
	12	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
9	16	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
	16	05021396	Washer, $\frac{1}{2}$ ", Flat, SST
10	12	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	12	05021390	Washer, $\frac{3}{8}$ ", Flat, SST
11	4	00045283-A	Bracket, Tie Down, MS

00031841 MOUNTING KIT, 4" RATCHET STRAP, WITH FLAT HOOK

Item	Qty	Part Number	Description
1	4	00063499-A	Mounting Plate Weldment, Ratchet Strap, MS
	4	00063499-B	Mounting Plate Weldment, Ratchet Strap, 304 SST
2	4	00063498-D	Mounting Plate, Bracket, MS
	4	00063498-E	Mounting Plate, Bracket, 304 SST
3	4	05051740	Ratchet Assembly for 4" Strap
4	4	05051741	Strap, 4" x 84" with Flat Hook
5	16	05010690	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", G8, HHCS, Zinc
	16	05016045	Bolt, $\frac{1}{2}$ -13 x 1 $\frac{1}{4}$ ", HHCS, SST
6	12	05010643	Bolt, $\frac{3}{8}$ -16 x 1", G8, HHCS, Zinc
	12	05016034	Bolt, $\frac{3}{8}$ -16 x 1", HHCS, SST
7	16	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
	16	05020908	Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
8	12	05020898	Nut, $\frac{3}{8}$ -16, GC, Toplock, C&W
	12	05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
9	16	05021309	Washer, $\frac{1}{2}$ ", Flat, Zinc
	16	05021396	Washer, $\frac{1}{2}$ ", Flat, SST
10	12	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc
	12	05021390	Washer, $\frac{3}{8}$ ", Flat, SST

MOUNTING KITS, MV/MSV (Continued)

00037682 CHAIN BINDER KIT, 2 BINDERS WITH CHAINS, 2 LOOPS

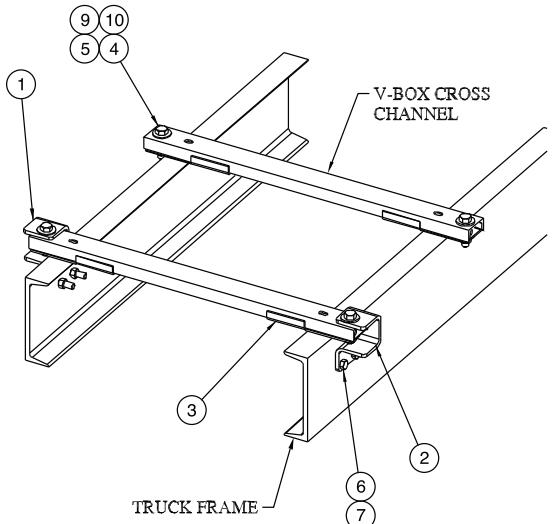
Item	Qty	Part Number	Description
1	2	00026166-A	Lift Loop, Bent, MS
	2	00026166-B	Lift Loop, Bent, 304 SST
2	2	05051377	Load Binder, $\frac{3}{8}$ "
3	1	00037683	Chain, $\frac{3}{8}$ " x 96"

00012389 TAILGATE LATCH
05037285 HOSE KIT, TRUCK TO SPREADER
00032628 CORNER LIFT PLATE

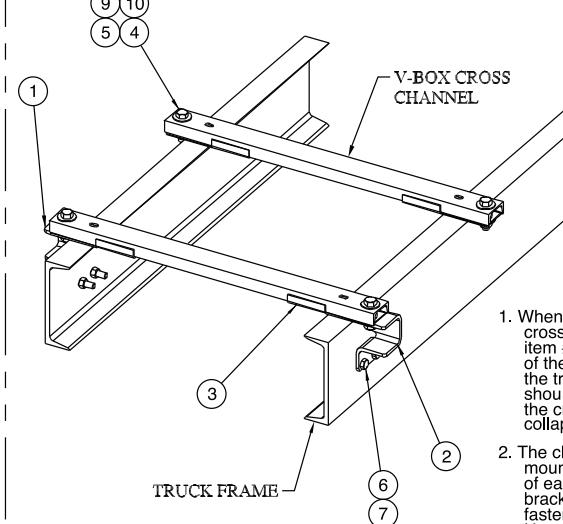
00012819 MOUNTING KIT, STANDARD SLIP-IN

Item	Qty	Part Number	Description
1	4	00021053	Tie Down Bracket, Slip-In V-Box, 3-Hole
2	4	05016042	Bolt, $\frac{3}{8}$ -11 x 24", L-Shape, Zinc
3	8	05010695	Bolt, $\frac{1}{2}$ -13 x 2 $\frac{1}{2}$ ", G8, HHCS, Zinc
4	8	05020847	Nut, $\frac{1}{2}$ -13, GC, Toplock, C&W
5	4	05022007	Pin, $\frac{1}{4}$ " x 2 $\frac{1}{2}$ ", Cotter
6	12	05021311	Washer, $\frac{3}{8}$ ", Flat, Zinc
7	8	05020270	Nut, $\frac{3}{8}$ -11, G8, Hex, Zinc

MOUNTING KITS, MV/MSV (Continued)



INSTALLATION OPTION - A



INSTALLATION OPTION - B

- When installing a chassis mount V-Box all cross channels should be supported using item # 3. This will keep the sharp edges of the cross channels from wearing into the truck frame rails. All cross channels should also use item # 9. This will keep the cross or mounting channel from collapsing during assembly.
- The chassis mounting kit includes one mounting channel (Item # 3) for each end of each cross channel. Four mounting brackets (Item #1 & #2) are included to fasten the V-Box to the truck frame rails. Use two mounting brackets in the front and two in the rear.
- Use bolts to fasten all components together. Welding does not allow enough flex, this will result in stress cracking and failure of joined components.
- Mounting kit may be installed with the mounting brackets on top of the v-box cross channels as shown in OPTION - A or under the cross channels as shown in OPTION -B, depending on the installation requirements.

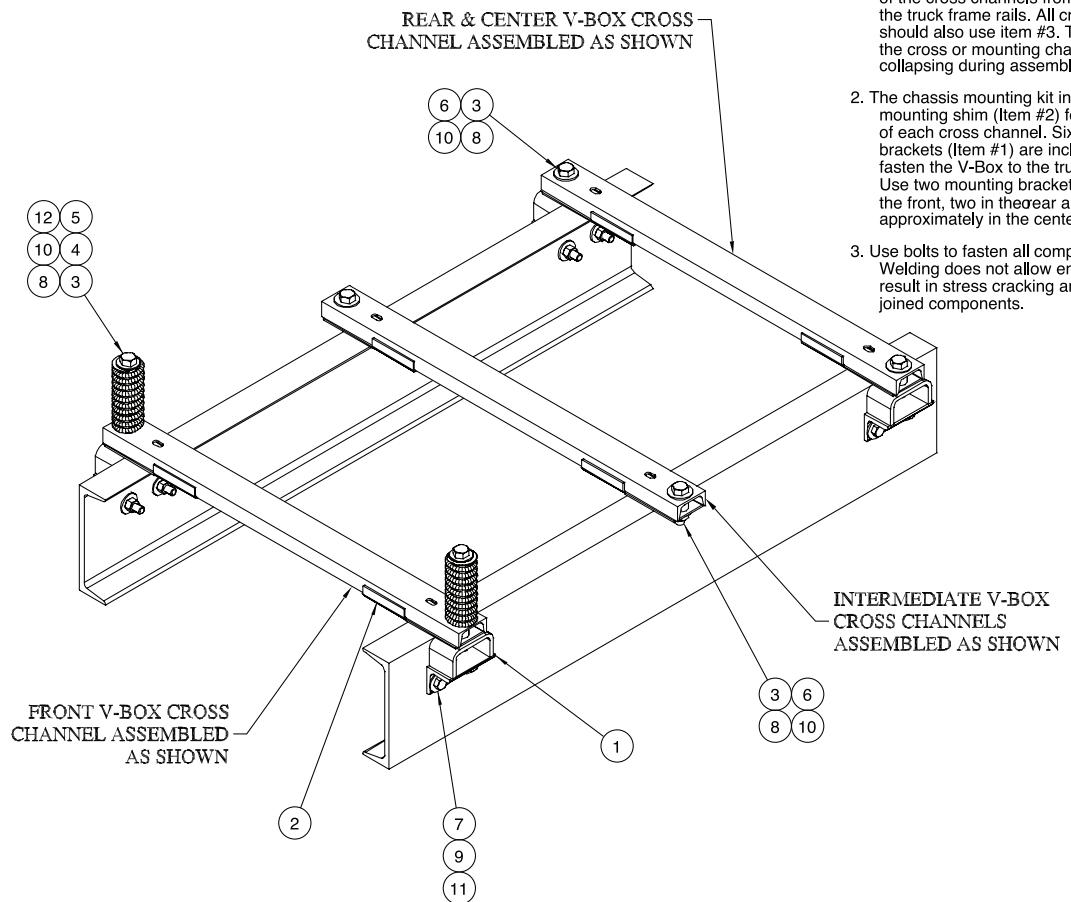
00022402 CHASSIS MOUNTING KIT, 8' - 11'

00024600 CHASSIS MOUNTING KIT, 12'-14'

00105781 CHASSIS MOUNTING KIT, 15'-17'

Item	Qty 8'- 11'	Qty 12'-14'	Qty 15'-17'	Part Number	Description
1	6	8	8	00105737-A 00105737-B	Bracket, Chassis Mount, RH, MS Bracket, Chassis Mount, RH, 304 SST
2	10	16	16	00022401-A 00022401-B	Shim, Spacer 10.0, Chassis Mounting, MS Shim, Spacer 10.0, Chassis Mounting, 304 SST
3	10	16	16	00072042-C 00072042-B	Pipe, 1.0 SCHED 40 x 1.250, MS Painted
4	10	16	16	05010768	Bolt, .750-10 x 3, G8, HHCS, Zinc
5	12	16	16	05010741	Bolt, .625-11 x 2.50, G8, HHCS, Zinc
6	10	16	16	05020849	Nut, .750-10, GC, Top Lock, C&W
7	12	16	16	05020837	Nut, .625-11, GC, Top Lock, C&W
8	20	32	32	05021312	Washer, .750, Flat, Zinc
9	24	32	32	05021311	Washer, .625, Flat, Zinc

MOUNTING KITS, MV/MSV (Continued)



1. When installing a chassis mount V-Box all cross channels should be supported using item #2. This will keep the sharp edges of the cross channels from wearing into the truck frame rails. All cross channels should also use item #3. This will keep the cross or mounting channel from collapsing during assembly.

2. The chassis mounting kit includes one mounting shim (Item #2) for each end of each cross channel. Six mounting brackets (Item #1) are included to fasten the V-Box to the truck frame rails. Use two mounting brackets with springs in the front, two in the rear and two approximately in the center of the body.

3. Use bolts to fasten all components together. Welding does not allow enough flex, this will result in stress cracking and failure of joined components.

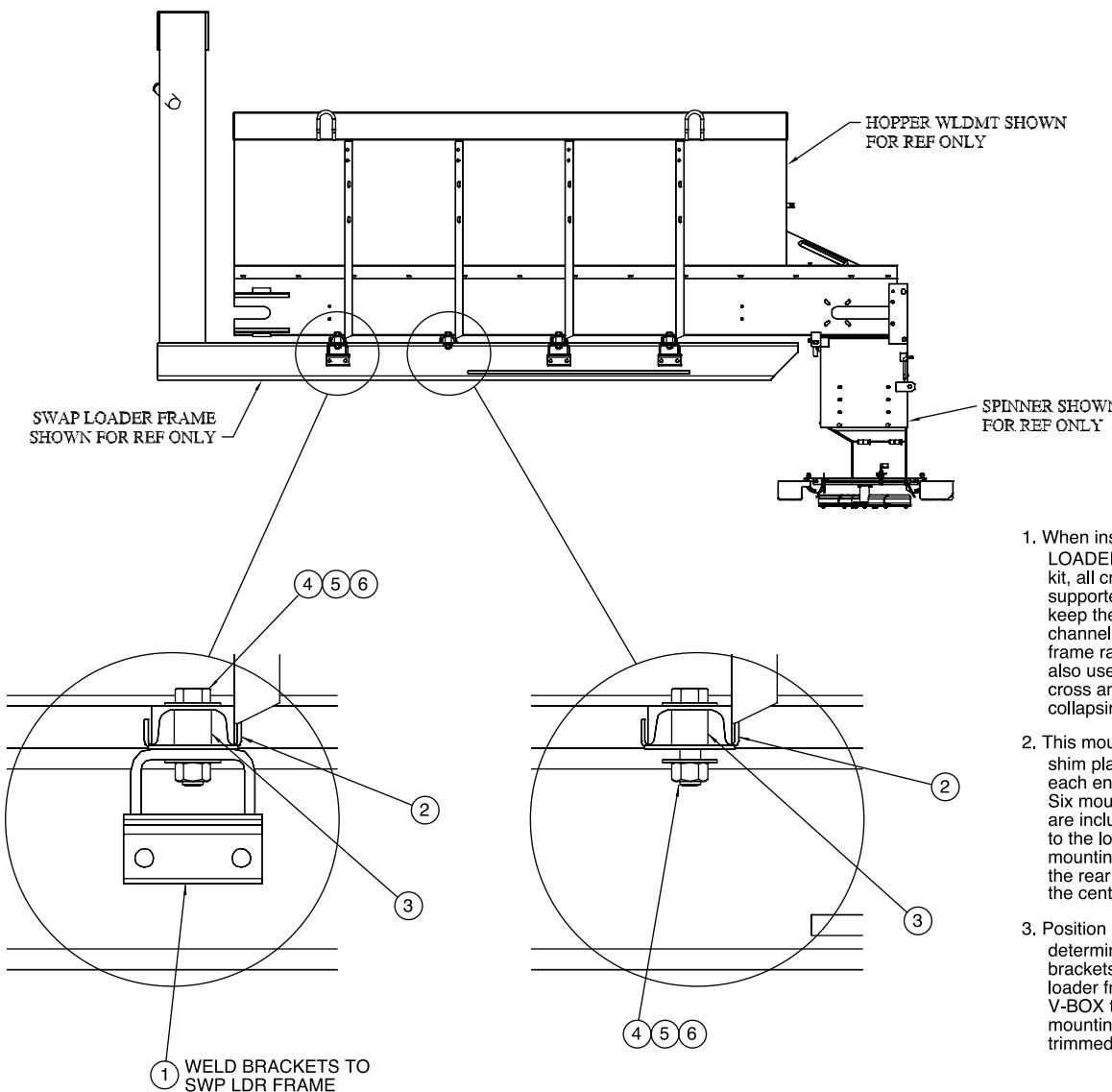
00055557 CHASSIS MOUNTING KIT, W/ SPRINGS, 8'-11'

00102330 CHASSIS MOUNTING KIT, W/ SPRINGS, 12'-14'

00105782 CHASSIS MOUNTING KIT, W/ SPRINGS, 15'-17'

Item	Qty 8'-11'	Qty 12'-14'	Qty 15'-17'	Part Number	Description
1	6	6	8	00105737-A 00105737-B	MOUNTING BRACKET WELDMENT, CHASSIS, MS MOUNTING BRACKET WELDMENT, CHASSIS, SST
2	10	12	16	00022401-A 00022401-B	SHIM, SPACER 10.0, CHASSIS MOUNTING, MS
3	10	12	16	00072042-C 00072042-B	PIPE, 1 SCHED 40 X 1.250.MS
4	2	4	4	05035071	SPRING, COMPRESSION, 2.187 OD
5	2	4	4	05010781	BOLT, .750-10 X 9, G8, HHCS, ZINC
6	8	8	12	05010768	BOLT, .750-10 X 3, G8, HHCS, ZINC
7	12	12	16	05010741	BOLT, .625-11 X 2.50, G8, HHCS, ZINC
8	12	12	16	05020849	NUT, .750-10, GC, TOP LOCK, C&W
9	18	12	16	05020837	NUT, .625-11, GC, TOP LOCK, C&W
10	24	20	28	05021312	WASHER, .750, FLAT, ZINC
11	2	24	32	05021311	WASHER, .625, FLAT, ZINC
12	2	4	4	05050006	BUSHING, 1" DIA

MOUNTING KITS, MV/MSV (Continued)



1. When installing a V-BOX on a SWAP LOADER FRAME using this mounting kit, all cross channels should be supported using item #2. This will keep the sharp edges of the cross channels from wearing into the loader frame rails. All cross channels should also use item #3, this will keep the cross and mounting channels from collapsing during assembly.

2. This mounting kit includes one shim plate, spacer (item #2) for each end of each cross channel. Six mounting brackets (item #1) are included to fasten the V-BOX to the loader frame rails. Use two mounting brackets in front, two in the rear and two approximately in the center of the body.

3. Position V-BOX on loader frame to determine location for mounting brackets. Weld mounting brackets to loader frame rails and attach V-BOX to brackets using 3/4" bolts. Mounting brackets may need to be trimmed to fit.

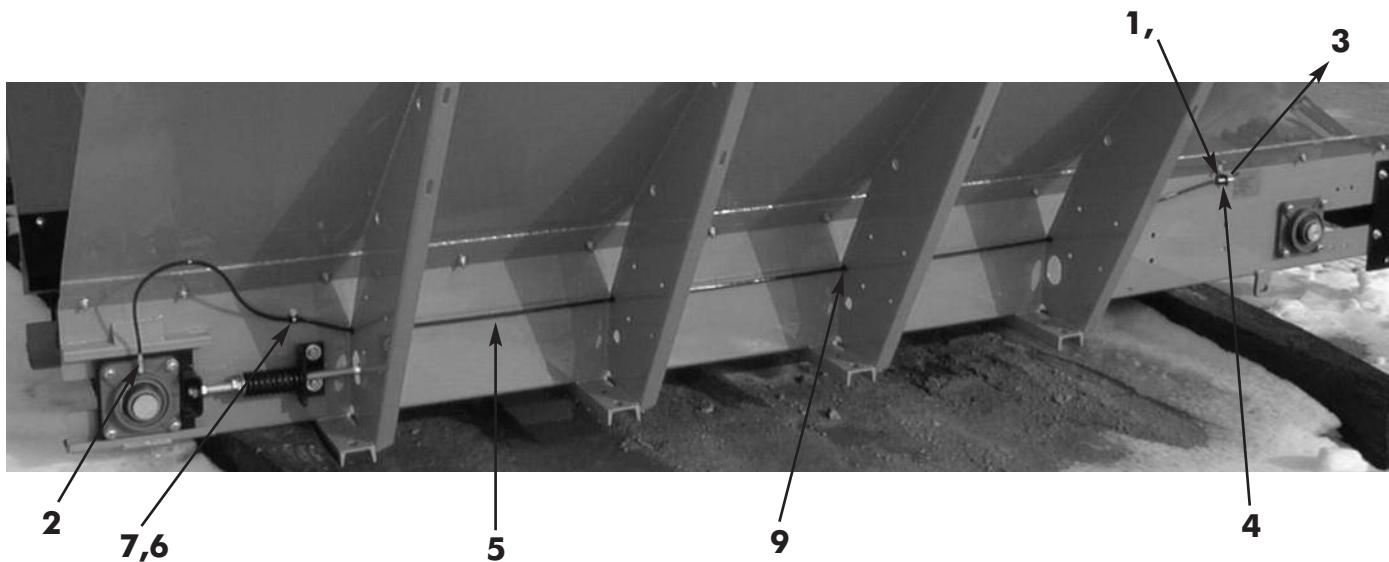
00102565 CHASSIS MOUNTING KIT, SWP LDR FRAME, 8'-11'

00102566 CHASSIS MOUNTING KIT, SWP LDR FRAME, 12'-14'

00105783 CHASSIS MOUNTING KIT, SWP LDR FRAME, 15'-17'

Item	Qty 8'-11'	Qty 12'-14'	Qty 15'-17'	Part Number	Description
1	6	6	8	00105737-A 00105737-B	MOUNTING BRACKET WELDMENT, CHASSIS, MS MOUNTING BRACKET WELDMENT, CHASSIS, SST
2	10	12	16	00022401-A 00022401-B	SHIM, SPACER 10.0, CHASSIS MOUNTING, MS
3	10	12	16	00072042-C 00072042-B	PIPE, 1 SCHED 40 X 1.250.MS
4	10	12	16	05010768	BOLT, .750-10 X 3, G8, HHCS, ZINC
5	10	12	16	05020849	NUT, .750-10, GC, TOP LOCK, C&W
6	20	24	32	05021312	WASHER, .750, FLAT, ZINC

GREASE KITS



REAR GREASE EXTENSIONS

Item	Qty	Part Number	Description
1	2	00053181-A	Angle Mount, Grease Line, Single
2	2	05051481	Adapter, Grease Line, 1/4-28 UNF
3	2	05050003	Grease Zerk, 1/8" NPT, Straight
4	2	05037660	Coupling, 1/8"
5	2	05037085	Hose Assembly, Grease Ext/Rear, 9' Box, 116" Long
	2	05037086	Hose Assembly, Grease Ext/Rear, 10' Box, 128" Long
	2	05037087	Hose Assembly, Grease Ext/Rear, 11' Box, 140" Long
	2	05037088	Hose Assembly, Grease Ext/Rear, 12' Box, 152" Long
	2	05037089	Hose Assembly, Grease Ext/Rear, 13' Box, 168" Long
	2	05037090	Hose Assembly, Grease Ext/Rear, 14' Box, 176" Long
	2	05037091	Hose Assembly, Grease Ext/Rear, 15' Box, 188" Long
	2	05037092	Hose Assembly, Grease Ext/Rear, 16' Box, 208" Long
	2	05038077	
6	2	05050151	Clamp, 3/8" ID, Cushioned Metal
7	4	05016942	Screw, Tek #10-16 x 3/4", 410 SST
9	See Chart Below	05050744	Bushing, Open/Closed, Snap, .453 ID

QUANTITY CHART FOR ITEM 9

Size	9'-10'	11'-12'	13'-14'	15'-16'	17'
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GREASE KITS (Continued)

00012513 GREASE KIT, FRONT

Item	Qty	Part Number	Description
1	1	00020201	Angle Mount, Grease Line, Double
2	3	05050151	Clamp, $\frac{3}{8}$ " ID, Cushioned Metal
3	5	05016942	Screw, Tek, #10-16 x $\frac{3}{4}$ ", 410 SST
4	2	05050632	Grommet, Rubber, 1 $\frac{1}{8}$ " Dia., $\frac{5}{8}$ " Hole
5	2	05037660	Coupling, $\frac{1}{8}$ " NPT, Galv.
6	2	05050003	Grease Zerk, $\frac{1}{8}$ " NPT, Straight
7	2	05051481	Adapter, Grease Line, 1/4-28 UNF
8	1	00059374	Hose Assembly, $\frac{1}{8}$ " ID x 84", $\frac{1}{8}$ " MNPT x $\frac{1}{8}$ " MNPT
9	1	00080887	Hose Assembly, 48", Grease Line

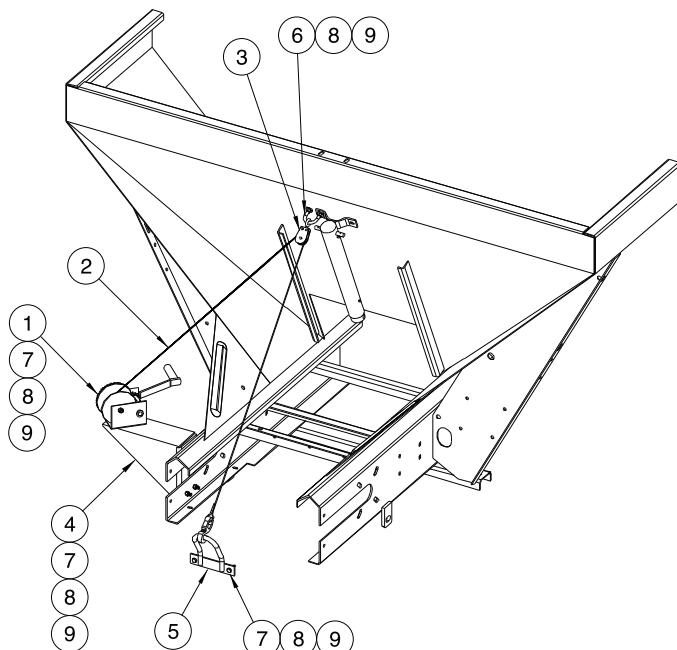
00058880 BEARING GREASE EXTENSION KIT, FRONT, DUAL MT

Item	Qty	Part Number	Description
1	2	00053181-A	Angle Mount, Grease Line, Single
2	2	05050151	Clamp, $\frac{3}{8}$ " ID, Cushioned Metal
3	2	05051362	Grease Extension, 40" OAL
4	2	05051481	Adapter, Grease Line, 1/4-28 UNF
5	2	05050003	Grease Zerk, $\frac{1}{8}$ " NPT, Straight
6	2	05037660	Coupling, $\frac{1}{8}$ " NPT, Galv.
7	4	05016973	Screw, Tek #14 x $\frac{3}{4}$ ", 410 SST

REAR CHAIN ADJUSTER

Item	Qty	Part Number	Description
1	2	00096184	Adjuster Weldment, Rear, 8'
	2	00096185	Adjuster Weldment, Rear, 9'
	2	00096186	Adjuster Weldment, Rear, 10'
	2	00096187	Adjuster Weldment, Rear, 11'
	2	00096188	Adjuster Weldment, Rear, 12'
	2	00096189	Adjuster Weldment, Rear, 13'
	2	00096190	Adjuster Weldment, Rear, 14'
	2	00096191	Adjuster Weldment, Rear, 15'
	2	00096192	Adjuster Weldment, Rear, 16'
	2	00096193	Adjuster Weldment, Rear, 17'
2	4	05020123	Nut, $\frac{3}{4}$ -10, G2, Jam, Zinc

WINCH KITS



00050707 WINCH KIT, 600#, WITHOUT BRAKE, RH

00050706 WINCH KIT, 600#, WITHOUT BRAKE, LH

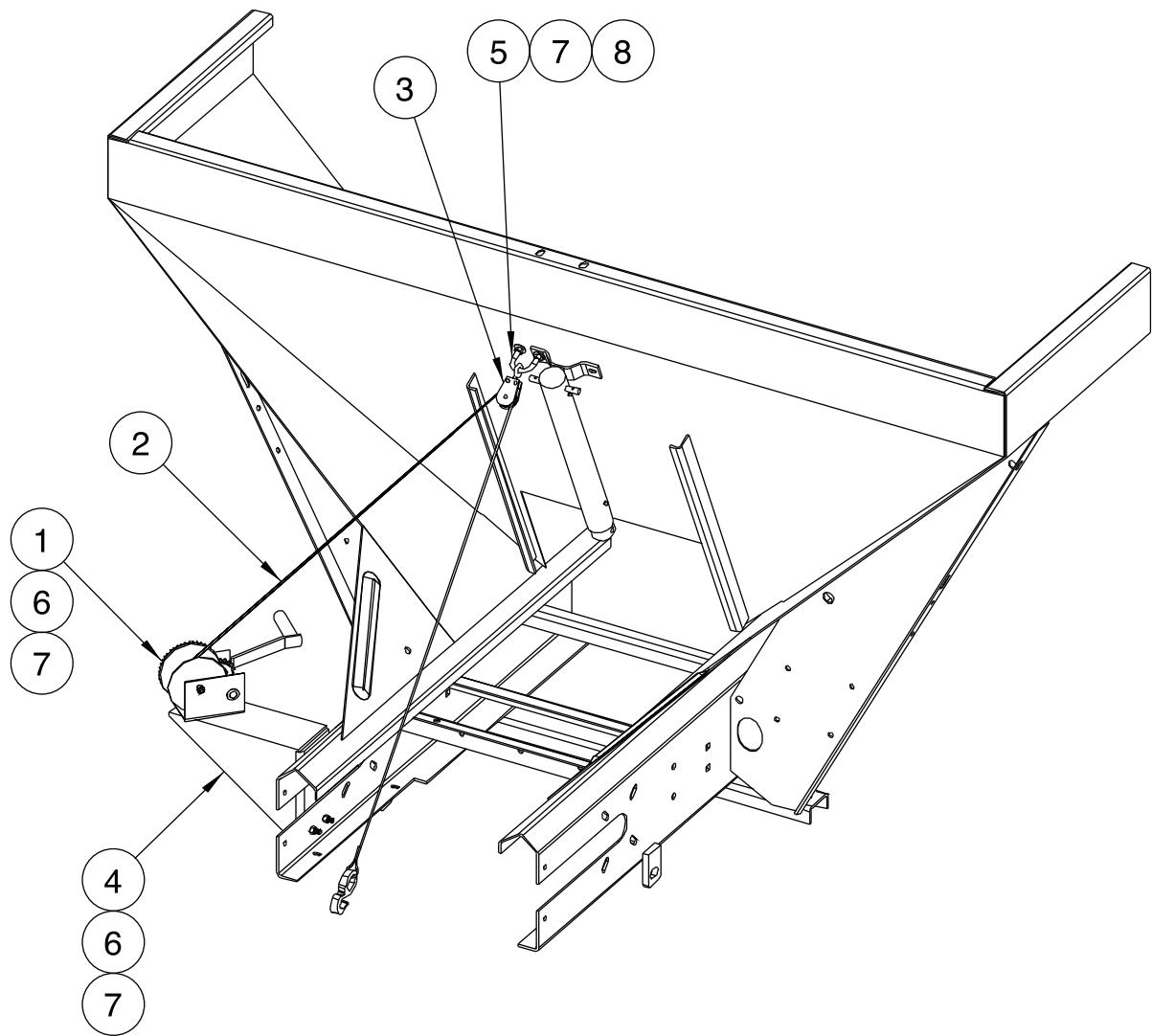
Item	Qty	Part Number	Description
1	1	05050432	Winch, Hand, 600#, Without Brake, Zinc
2	1	05050436	Cable Assembly, Winch
3	1	05051155	Cable Block / Swivel Pulley Assembly
4	1	00029943	Bracket, Winch, LH
	1	00029944	Bracket, Winch, RH
5	1	00050716	Lift Loop Weldment
6	1	05016909	U-Bolt, $\frac{3}{8}$ -16 x $3\frac{1}{8}$ ", Zinc
7	8	05010644	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G8, HHCS, Zinc
8	10	05020898	Nut, $\frac{3}{8}$ -16, GRC, Toplock, C&W
9	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc

WINCH KITS (Continued)

00050710 WINCH KIT, 800#, RH, W/ BRAKE & LIFT LOOP
00050711 WINCH KIT, 800#, LH, W/ BRAKE & LIFT LOOP

Item	Qty	Part Number	Description
1	1	05050112	Winch, Ratchet, w/ Brake
2	1	05051162	Cable Assembly
3	1	05051155	Cable Block/Swivel
4	1	00029944	Bracket, Winch, RH
	1	00029943	Bracket, Winch, LH
5	1	00050716	Lift Loop Weldment
6	1	05016909	U-Bolt, $\frac{3}{8}$ -16 x $3\frac{1}{8}$, Zinc
7	8	05010644	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$, G8, HHCS, Zinc
8	10	05020898	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W
9	4	05021307	Washer, $\frac{3}{8}$, Flat, Zinc

WINCH KITS *(Continued)*



WINCH KITS (Continued)

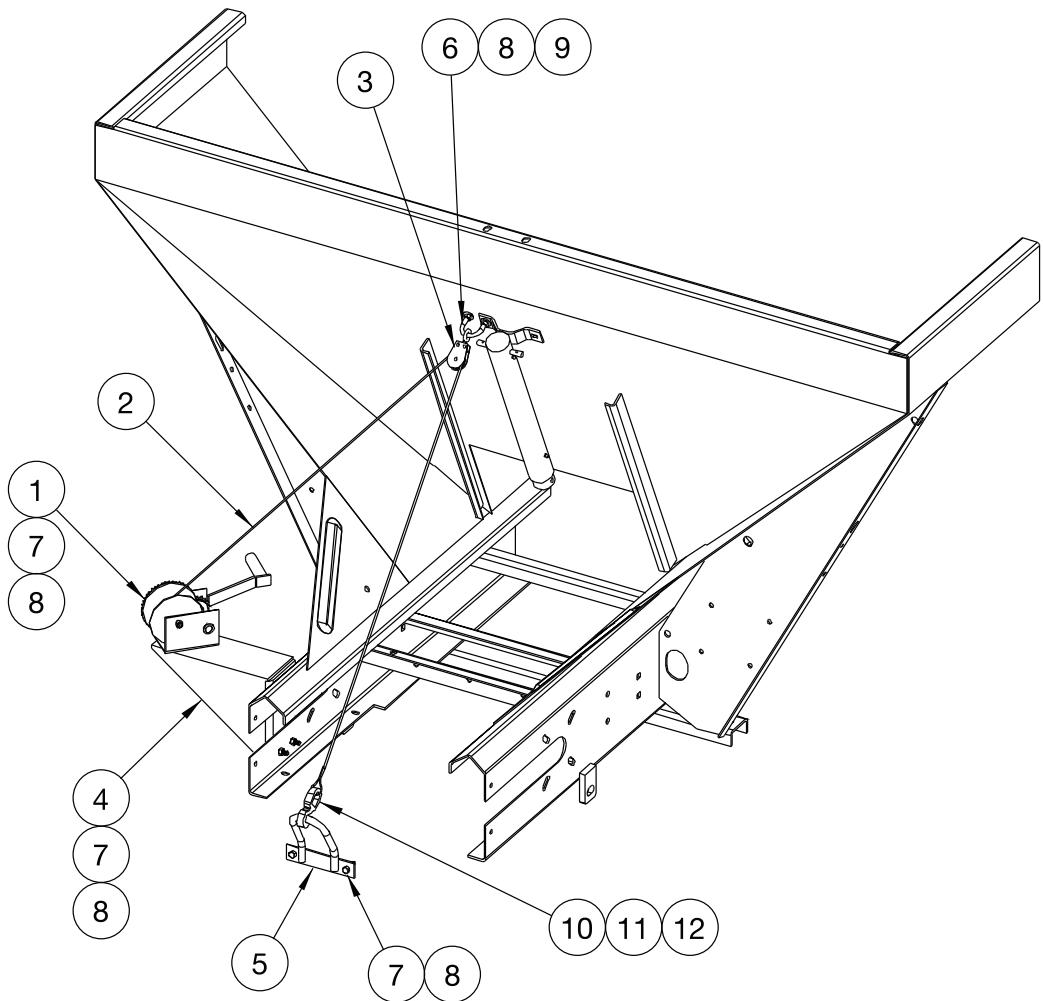
00050709 WINCH KIT, 800#, WITH BRAKE, LH
00050708 WINCH KIT, 800#, WITH BRAKE, RH

Item	Qty	Part Number	Description
1	1	05050112	Winch, Ratchet, 800#, With Brake
2	1	05051162	Cable Assembly, Winch
3	1	05051155	Cable Block / Swivel Pulley Assembly
4	1	00029943	Bracket, Winch, LH
	1	00029944	Bracket, Winch, RH
5	1	05016909	U-Bolt, $\frac{3}{8}$ -16 x $3\frac{1}{8}$ ", Zinc
6	6	05010644	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G8, HHCS, Zinc
7	8	05020898	Nut, $\frac{3}{8}$ -16, GRC, Toplock, C&W
8	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc

00050712 WINCH KIT, 900#, WITH BRAKE, RH
00050713 WINCH KIT, 900#, WITH BRAKE, LH

Item	Qty	Part Number	Description
1	1	05051253	Winch, Hand, 900#, With Brake
2	1	05051162	Cable Assembly, Winch
3	1	05051155	Cable Block / Swivel Pulley Assembly
4	1	00029943	Bracket, Winch, LH
	1	00029944	Bracket, Winch, RH
5	1	05016909	U-Bolt, $\frac{3}{8}$ -16 x $3\frac{1}{8}$ ", Zinc
6	6	05010644	Bolt, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ ", G8, HHCS, Zinc
7	8	05020898	Nut, $\frac{3}{8}$ -16, GRC, Toplock, C&W
8	4	05021307	Washer, $\frac{3}{8}$ ", Flat, Zinc

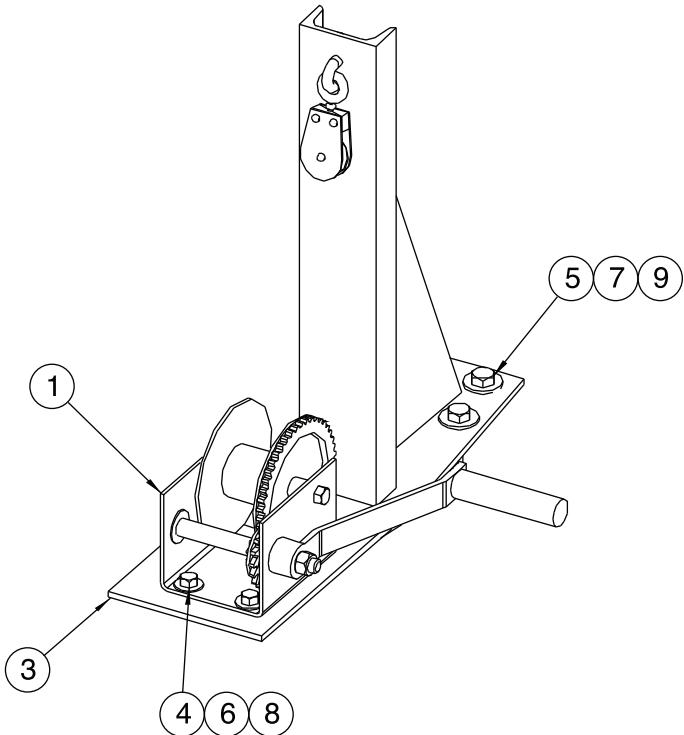
WINCH KITS (Continued)



00012813 WINCH KIT, 800#, WITH BRAKE & LIFT LOOP, LH, 1/8 SS CABLE

Item	Qty	Part Number	Description
1	1	05050112	Winch, Ratchet, 800#, With Brake
2	25 FT	05050174	Cable, Winch, 1/8" SS, 7 x 19
3	1	05051155	Cable Block / Swivel Pulley Assembly
4	1	00029943	Bracket, Winch, LH
5	1	00050716	Lift Loop Weldment
6	1	05016909	U-Bolt, 1/8-16 x 3 1/8", Zinc
7	8	05010644	Bolt, 1/8-16 x 1 1/4", G8, HHCS, Zinc
8	10	05020898	Nut, 1/8-16, GRC, Toplock, C&W
9	4	05021307	Washer, 1/8", Flat, Zinc
10	1	05050359	Hook, 1/8", Safety Snap, Spring-Loaded
11	1	05050233	Thimble, 1/8" SS Cable
12	1	05050234	Clamp, Cable, 1/8" Forged Steel

WINCH KITS (Continued)



00080800 WINCH KIT, 800#, WITH BRAKE FOR EU MOTOR PACKAGE WITH TIP UP SPINNER

Item	Qty	Part Number	Description
1	1	05050112	Winch, Ratchet
2	1	05051162	Cable Assembly, Winch
3	1	00080801	Mount Plate Weldment
4	5	05010643	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc
5	4	05010690	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$, G8, HHCS, Zinc
6	5	05020898	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W
7	4	05020847	Nut, $\frac{1}{2}$ -13, GC, Top Lock, C&W
8	5	05021307	Washer, $\frac{3}{8}$, Flat, Zinc
9	4	05021309	Washer, $\frac{1}{2}$, Flat, Zinc
10	2	00080802	Latch Bar
11	2	05010762	Bolt, $\frac{3}{8}$ -10 x $1\frac{1}{2}$, G8, HHCS, Zinc
12	2	05020849	Nut, $\frac{3}{8}$ -10, GC, Top Lock, C&W
13	2	05021312	Washer, $\frac{3}{8}$, Flat, Zinc
14	1	00050716	Lift Loop Weldment

LIGHT KITS

00012828 LIGHT KIT, SLIP IN

Item	Qty	Part Number	Description
1	2	00053259-A 00053259-B	Guard, Clearance Light, MS Guard, Clearance Light, 304 SST
2	2	05041078	Light Red, Clearance
3	1	05041079	Light, Red, 3 Bar Cluster
4	2	05051433	Reflector, Red, Stick-On
5	2	05051434	Reflector, Amber, Stick-On
6	12 FT	05041313	Cable Wire, 14 Gauge/ 2 Conductor
7	4	05050150	Clamp, $\frac{1}{4}$ " ID, Cushioned Metal
8	6	05010593	Bolt, $\frac{1}{4}$ -20 x 1, G8, HHCs, Zinc
9	6	05020899	Nut, $\frac{1}{4}$ -20, Top Lock, Zinc
10	10	05016060	Screw, 310-24 x 1, PH, TRS, HD
11	10	05020964	Nut, #10-24, Nylon Lock, 316 SST

00012829 4" SPOT LIGHT

Item	Qty	Part Number	Description
1	1	05041088	Light, Spot, Rubber Housing

00012836 LIGHT KIT, JUNCTION BOX ASSEMBLY

Item	Qty	Part Number	Description
1	1	05041583	Plug, 7-Pole Molded w/ 10' Cable
2	1	05041094	Junction Box, 4" Round

LIGHT KITS (*Continued*)

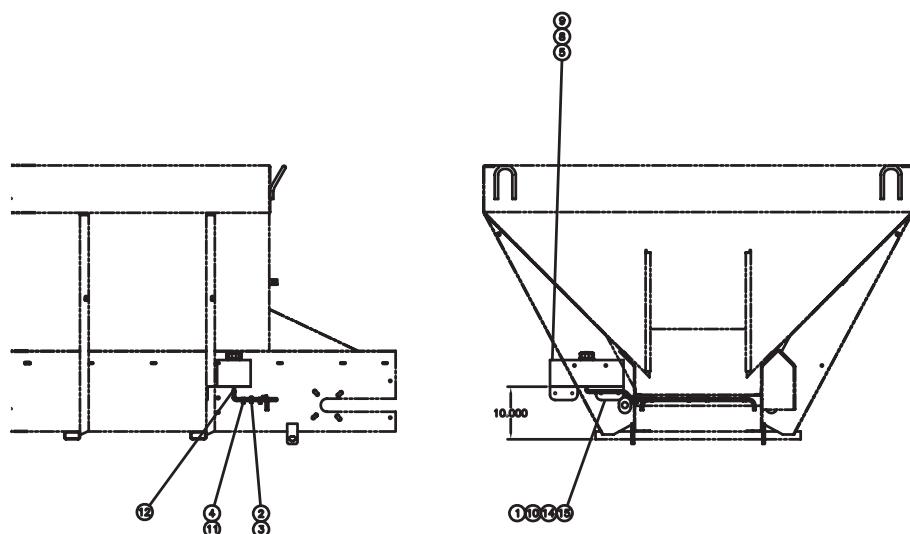
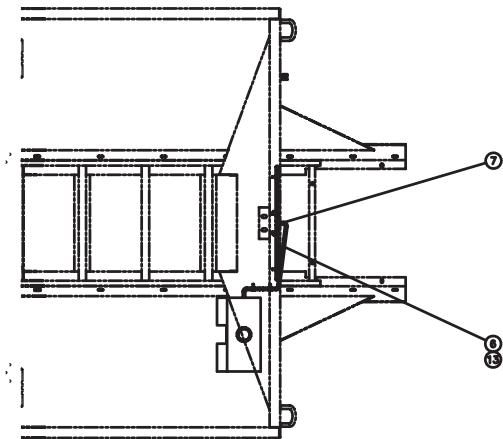
00012831 LIGHT KIT, STOP/TURN/TAIL, PAIR

Item	Qty	Part Number	Description
1	2	05041080	Light, Stop/Turn/Tail
2	10 FT	05041314	Cable Wire, 14 Gauge, /3 Conductor

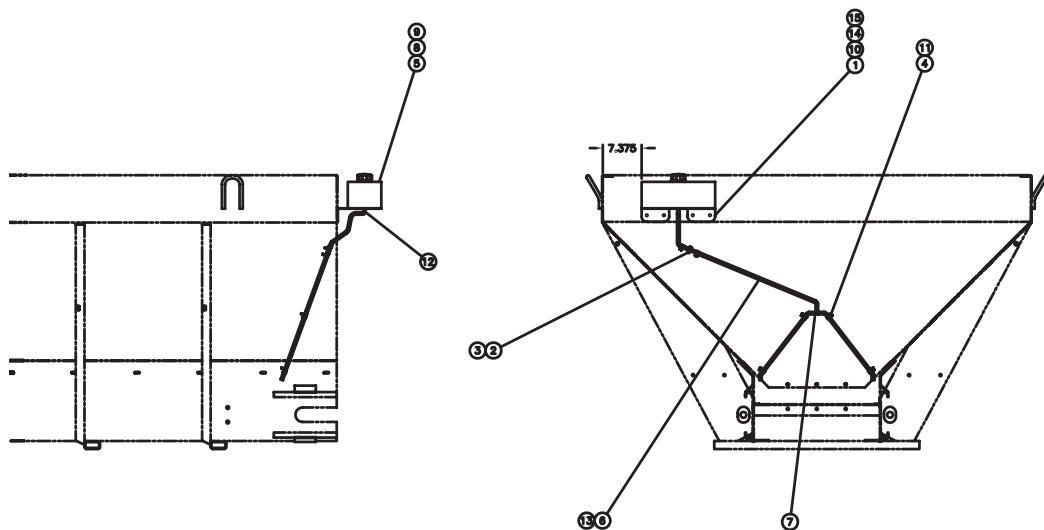
BAR LIGHTS

Item	Qty	Part Number	Description
1	1	00056063-A 00056063-B 00056063-D 00011881-A 00011881-B 00011881-D	Bar Light, 30, MS Bar Light, 30, 304 SST Bar Light, 30, Corten Bar Light, 72, MS Bar Light, 72, 304 SST Bar Light, 72, Corten

CHAIN OILER



REAR_MOUNT_DETAIL

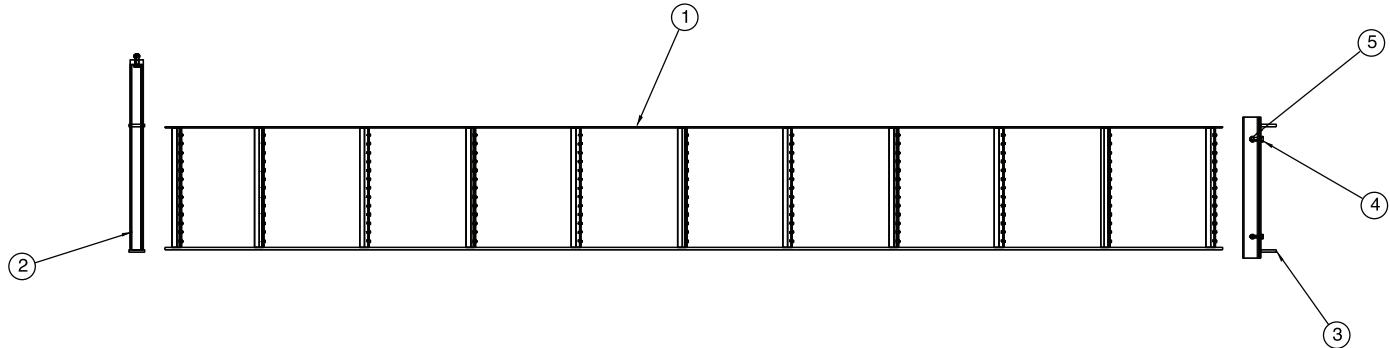


FRONT_MOUNT_DETAIL

00040728 CHAIN OILER KIT, 1.5 GALLON, FRONT OR REAR

It#	Qty	Part Number	Description
1	1	00071755	MOUNTING PLATE, OIL TANK, PLASTIC
2	1	05037123	VALVE, PETCOCK, .25 NPT X 2
3	2	05037139	NIPPLE, HOSE NYLON MALE, .25 ID
4	6	05052475	CLAMP, .375" CUSHIONED METAL, SST
5	1	05051795	PLASTIC RECTANGULAR OIL TANK
6	10 FT	05051212	TUBING, VINYL PLASTIC
7	1	05051223	NYLON "T"
8	2	05016113	BOLT, .250-20 X .750, HHCS, SST
9	2	05021393	WASHER, .250 LOCK, SS
10	2	05016040	BOLT, .250-20 X 1, HHCS, SS
11	6	05016059	SCREW, #10
12	1	05038490	HOSE BAR, 90° POLY, .375 MPT TO .250 HOSE BARB
13	2	05041640	SNAP BUSHING, .5" SOLID, .375" ID
14	4	05021403	WASHER, .250, FLAT, SS
15	2	05020906	NUT, .250-20, NYLON LOCK, 316 SS
16	6	05020964	NUT, #10-24, NYLON LOCK, 316 SS
17	6	05021413	WASHER, #10, FLAT, 18-8, SS

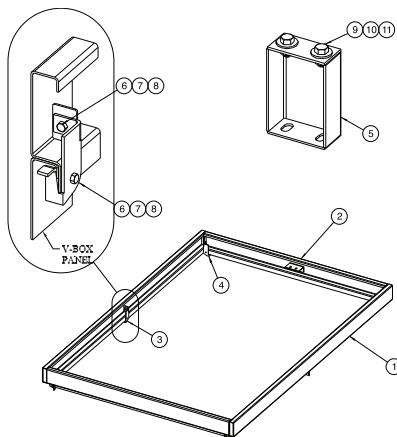
LADDER ASSEMBLY, MV/MSV



00053239 LADDER ASSEMBLY

Item	Qty	Part Number	Description
1	1	00053234-A 00053234-B	Ladder Weldment, MS Ladder Weldment, 304 SST
2	1	00053238-A 00053238-B	Ladder Mount Weldment, Lower, MS Ladder Mount Weldment, Lower, 304 SST
3	1	00053236-A 00053236-B	Ladder Mount Weldment, Upper, MS Ladder Mount Weldment, Upper, 304 SST
4	4	05010644 05016049	Bolt, %-16 x 1¼, G8, HHCS, Zinc Bolt, %-16 x 1¼, HHCS, SST
5	4	05020898 05020891	Nut, %-16, GC, Top Lock, C&W Nut, %-16, Nylon Lock, SST

SIDE EXTENSION KITS



EXTENSION KIT, BOX, 6" SIDES

Item	Qty	Part Number	Description
1	2	00049600-*	Extension Weldment, Side, 9' x 6"
		00049602-*	Extension Weldment, Side, 10' x 6"
		00049604-*	Extension Weldment, Side, 11' x 6"
		00049606-*	Extension Weldment, Side, 12' x 6"
		00048265-*	Extension Weldment, Side, 13' x 6"
		00049608-*	Extension Weldment, Side, 14' x 6"
		00049610-*	Extension Weldment, Side, 15' x 6"
		00049612-*	Extension Weldment, Side, 16' x 6"
		00049614-*	Extension Weldment, Side, 17' x 6"
2	2	00048266-A	Extension Weldment, Front/Rear, 6", 10 Gauge, MS
		00048266-B	Extension Weldment, Front/Rear, 6", 12 Gauge, MS
		00048266-C	Extension Weldment, Front/Rear, 6", 10 Gauge, SST
		00048266-D	Extension Weldment, Front/Rear, 6", 12 Gauge, SST
3	3	00044260-A	Bracket, Side Extension Mount, LH, MS
		00044260-B	Bracket, Side Extension Mount, LH, SST (Qty. 4 used on 14'-17')
4	3	00044261-A	Bracket, Side Extension Mount, RH, MS
		00044261-B	Bracket, Side Extension Mount, RH, SST (Qty. 4 used on 14'-17')
5	1	00048799-A	Support Weldment, Top Beam, MS
		00048799-B	Support Weldment, Top Beam, SST (Qty. 2 used on 14'-17')
6	16	05010643	Bolt, $\frac{3}{16}$ -16 x 1, G8, HHCS, Zinc (Qty. 20 used on 14'-17')
7	16	05020898	Nut, $\frac{3}{16}$, GC, Top Lock, C&W
		05020891	Nut, $\frac{3}{16}$, Nylon Lock, SST (Qty. 20 used on 14'-17')
8	16	05021307	Washer, $\frac{3}{16}$, Flat, Zinc
		05021390	Washer, $\frac{3}{16}$, Flat, SST (Qty. 20 used on 14'-17')
9	2	05010689	Bolt, $\frac{1}{8}$ -13 x 1, G8, HHCS, Zinc
		05016047	Bolt, $\frac{1}{8}$ -13 x 1, HHCS, SST (Qty. 4 used on 14'-17')
10	2	05020847	Nut, $\frac{1}{8}$ -13, GC, Top Lock, C&W
		05020908	Nut, $\frac{1}{8}$ -13, Nylon Lock, SST (Qty. 4 used on 14'-17')
11	4	05021309	Washer, $\frac{1}{8}$, Flat, Zinc
		05021391	Washer, $\frac{1}{8}$, Flat, SST (Qty. 8 used on 14'-17')

*Please indicate the steel specification when ordering the Extension Weldment Side.

A - 10 Gauge, Mild Steel C - 10 Gauge, 304 Stainless Steel

B - 12 Gauge, Mild Steel D - 12 Gauge, 304 Stainless Steel

For example when ordering a 9', 12 gauge, mild steel side extension you would order the part number: 00049600-B

SIDE EXTENSION KITS (Continued)

EXTENSION KIT, BOX, 12" SIDES

Item	Qty	Part Number	Description
1	2	00049601-* 00049603-* 00049605-* 00049607-* 00047874-* 00049609-* 00049611-* 00049613-* 00049615-*	Extension Weldment, Side, 9' x 12" Extension Weldment, Side, 10' x 12" Extension Weldment, Side, 11' x 12" Extension Weldment, Side, 12' x 12" Extension Weldment, Side, 13' x 12" Extension Weldment, Side, 14' x 12" Extension Weldment, Side, 15' x 12" Extension Weldment, Side, 16' x 12" Extension Weldment, Side, 17' x 12"
2	2	00047875-A 00047875-B 00047875-C 00047875-D	Extension Weldment, Front/Rear, 12", 10 Gauge, MS Extension Weldment, Front/Rear, 12", 12 Gauge, MS Extension Weldment, Front/Rear, 12", 10 Gauge, SST Extension Weldment, Front/Rear, 12", 12 Gauge, SST
3	3	00044260-A 00044260-B	Bracket, Side Extension Mount, LH, MS Bracket, Side Extension Mount, LH, SST (Qty. 4 used on 14'-17')
4	3	00044261-A 00044261-B	Bracket, Side Extension Mount, RH, MS Bracket, Side Extension Mount, RH, SST (Qty. 4 used on 14'-17')
5	1	00049635-A 00049635-B	Support Weldment, Top Beam, MS Support Weldment, Top Beam, SST (Qty. 2 used on 14'-17')
6	16	05010643	Bolt, $\frac{3}{16}$ x 1, G8, HHCS, Zinc (Qty. 20 used on 14'-17')
7	16	05020898 05020891	Nut, $\frac{3}{16}$, GC, Top Lock, C&W Nut, $\frac{3}{16}$, Nylon Lock, SST (Qty. 20 used on 14'-17')
8	16	05021307 05021390	Washer, $\frac{3}{16}$, Flat, Zinc Washer, $\frac{3}{16}$, Flat, SST (Qty. 20 used on 14'-17')
9	2	05010689 05016047	Bolt, $\frac{1}{8}$ -13 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{8}$ -13 x 1, HHCS, SST (Qty. 4 used on 14'-17')
10	2	05020847 05020908	Nut, $\frac{1}{8}$ -13, GC, Top Lock, C&W Nut, $\frac{1}{8}$ -13, Nylon Lock, SST (Qty. 4 used on 14'-17')
11	4	05021309 05021391	Washer, $\frac{1}{8}$, Flat, Zinc Washer, $\frac{1}{8}$, Flat, SST (Qty. 8 used on 14'-17')

*Please indicate the steel specification when ordering the Extension Weldment Side.

- A - 10 Gauge, Mild Steel
- B - 12 Gauge, Mild Steel
- C - 10 Gauge, 304 Stainless Steel
- D - 12 Gauge, 304 Stainless Steel

For example when ordering a 9', 12 gauge, mild steel side extension you would order the part number: 00049600-B

SIDE EXTENSION KITS

CABSHIELD KIT, BOLT ON

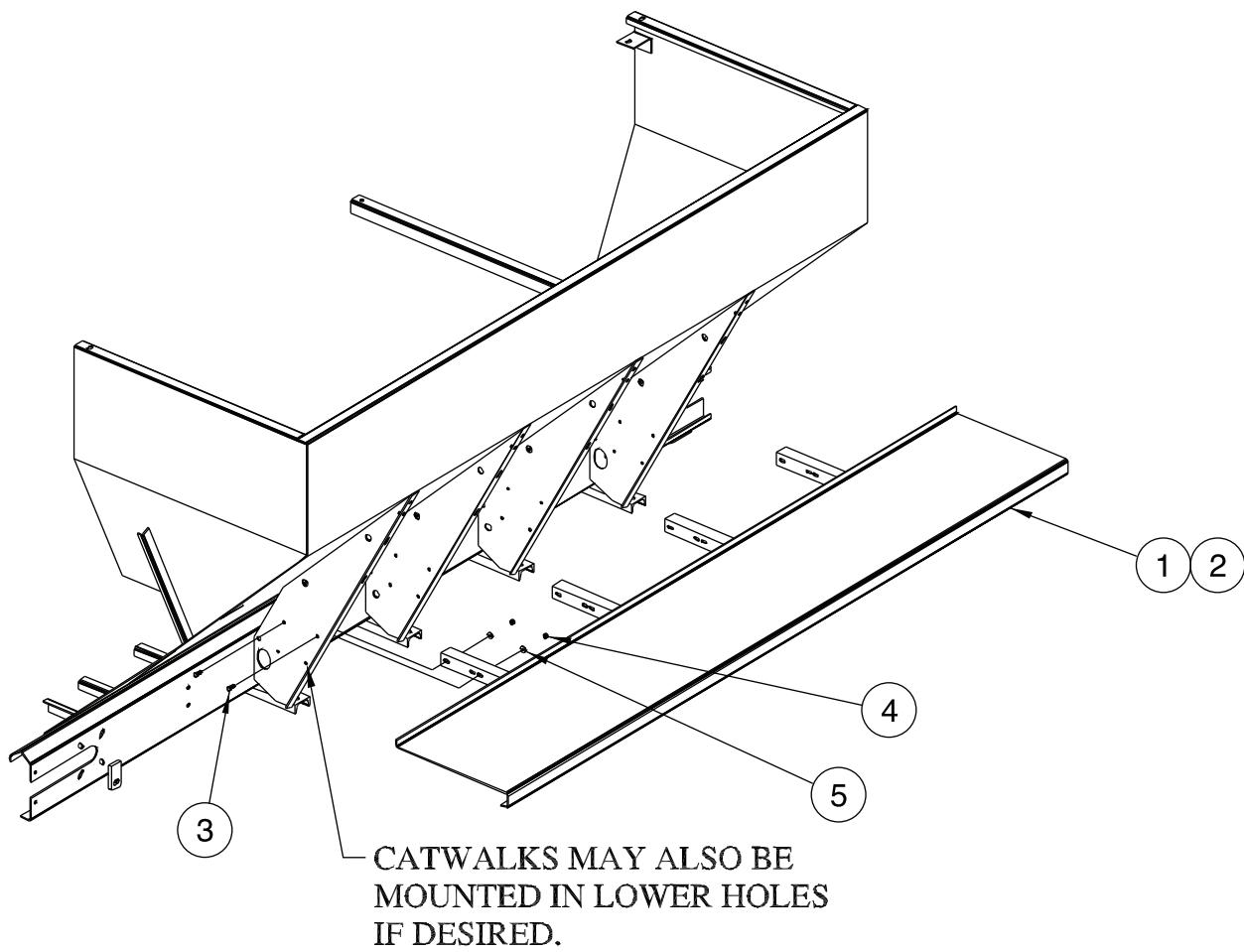
Item	Qty	Part Number	Description	
1	1	00063442-* 00063443-* 00063444-* 00063445-* 00063446-* 00063447-* 00063448-* 00063449-* 00063450-* 00063451-* 00063452-* 00063453-* 00063454-* 00063455-* 00063456-* 00063457-* 00063458-* 00063459-* 00063460-* 00063461-* 00063462-*		Cabshield Weldment, 4 x 12 x 84 Cabshield Weldment, 4 x 18 x 84 Cabshield Weldment, 4 x 24 x 84 Cabshield Weldment, 9 x 12 x 84 Cabshield Weldment, 9 x 18 x 84 Cabshield Weldment, 9 x 24 x 84 Cabshield Weldment, 14 x 12 x 84 Cabshield Weldment, 14 x 18 x 84 Cabshield Weldment, 14 x 24 x 84 Cabshield Weldment, 19 x 12 x 84 Cabshield Weldment, 19 x 18 x 84 Cabshield Weldment, 19 x 24 x 84 Cabshield Weldment, 24 x 12 x 84 Cabshield Weldment, 24 x 18 x 84 Cabshield Weldment, 24 x 24 x 84 Cabshield Weldment, 29 x 12 x 84 Cabshield Weldment, 29 x 18 x 84 Cabshield Weldment, 29 x 24 x 84 Cabshield Weldment, 34 x 12 x 84 Cabshield Weldment, 34 x 18 x 84 Cabshield Weldment, 34 x 24 x 84
2	11	05010689 05016047	Bolt, ½-13 x 1, G8, HHCS, Zinc Bolt, ½-13 x 1, HHCS, SST	
3	11	05020847 05020906	Nut, ½-13, GC, Top Lock, C&W Nut, ½-13, Nylon Lock, SST	
4	11	05021309 05021391	Washer, ½, Flat, Zinc Washer, ½, Flat, SST	

*Please indicate the steel specification when ordering the Cabshield Weldment.

- A - 10 Gauge, Mild Steel
- B - 10 Gauge, 304 Stainless Steel
- C - 10 Gauge, 409 Stainless Steel
- D - 12 Gauge, Mild Steel
- E - 12 Gauge, 304 Stainless Steel
- F - 12 Gauge, 409 Stainless Steel

For example when ordering a 34 x 24 x 84, 12 Gauge, Mild Steel Cabshield you would order the part number: 00063462-D

CATWALK



00042903 CATWALK KIT, 8', PAIR

Item	Qty	Part Number	Description
1	1	00011778-E 00011778-B	Catwalk Weldment, 8', RH, MS Catwalk Weldment, 8', RH, 304 SST
2	1	00011779-E 00011779-B	Catwalk Weldment, 8', LH, MS Catwalk Weldment, 8', LH, 304 SST
3	12	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	12	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	12	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042904 CATWALK KIT, 9', PAIR

Item	Qty	Part Number	Description
1	1	00011780-E 00011780-B	Catwalk Weldment, 9', RH, MS Catwalk Weldment, 9', RH, 304 SST
2	1	00011781-E 00011781-B	Catwalk Weldment, 9', LH, MS Catwalk Weldment, 9', LH, 304 SST
3	16	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	16	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	16	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042905 CATWALK KIT, 10', PAIR

Item	Qty	Part Number	Description
1	1	00011782-E 00011782-B	Catwalk Weldment, 10', RH, MS Catwalk Weldment, 10', RH, 304 SST
2	1	00011783-E 00011783-B	Catwalk Weldment, 10', LH, MS Catwalk Weldment, 10', LH, 304 SST
3	16	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	16	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	16	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042906 CATWALK KIT, 11', PAIR

Item	Qty	Part Number	Description
1	1	00011784-E 00011784-B	Catwalk Weldment, 11', RH, MS Catwalk Weldment, 11', RH, 304 SST
2	1	00011785-E 00011785-B	Catwalk Weldment, 11', LH, MS Catwalk Weldment, 11', LH, 304 SST
3	20	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	20	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	20	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042907 CATWALK KIT, 12', PAIR

Item	Qty	Part Number	Description
1	1	00011786-E 00011786-B	Catwalk Weldment, 12', RH, MS Catwalk Weldment, 12', RH, 304 SST
2	1	00011787-E 00011787-B	Catwalk Weldment, 12', LH, MS Catwalk Weldment, 12', LH, 304 SST
3	20	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	20	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	20	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042908 CATWALK KIT, 13', PAIR

Item	Qty	Part Number	Description
1	1	00011788-E 00011788-B	Catwalk Weldment, 13', RH, MS Catwalk Weldment, 13', RH, 304 SST
2	1	00011789-E 00011789-B	Catwalk Weldment, 13', LH, MS Catwalk Weldment, 13', LH, 304 SST
3	24	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	24	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	24	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042909 CATWALK KIT, 14', PAIR

Item	Qty	Part Number	Description
1	1	00011790-E 00011790-B	Catwalk Weldment, 14', RH, MS Catwalk Weldment, 14', RH, 304 SST
2	1	00011791-E 00011791-B	Catwalk Weldment, 14', LH, MS Catwalk Weldment, 14', LH, 304 SST
3	24	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	24	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	24	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042910 CATWALK KIT, 15', PAIR

Item	Qty	Part Number	Description
1	1	00011792-E 00011792-B	Catwalk Weldment, 15', RH, MS Catwalk Weldment, 15', RH, 304 SST
2	1	00011793-E 00011793-B	Catwalk Weldment, 15', LH, MS Catwalk Weldment, 15', LH, 304 SST
3	28	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	28	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	28	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

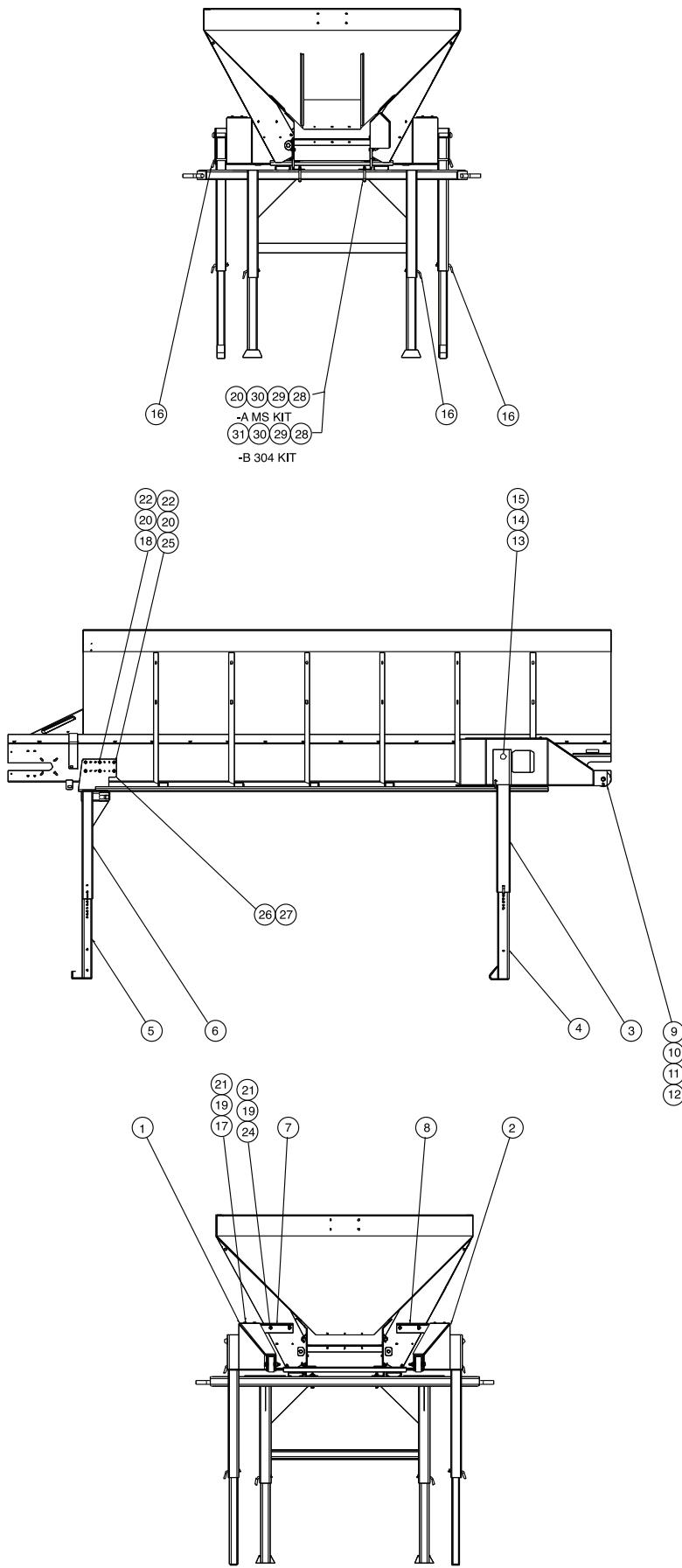
00042911 CATWALK KIT, 16', PAIR

Item	Qty	Part Number	Description
1	1	00011794-E 00011794-B	Catwalk Weldment, 16', RH, MS Catwalk Weldment, 16', RH, 304 SST
2	1	00011795-E 00011795-B	Catwalk Weldment, 16', LH, MS Catwalk Weldment, 16', LH, 304 SST
3	28	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	28	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	28	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

00042912 CATWALK KIT, 17', PAIR

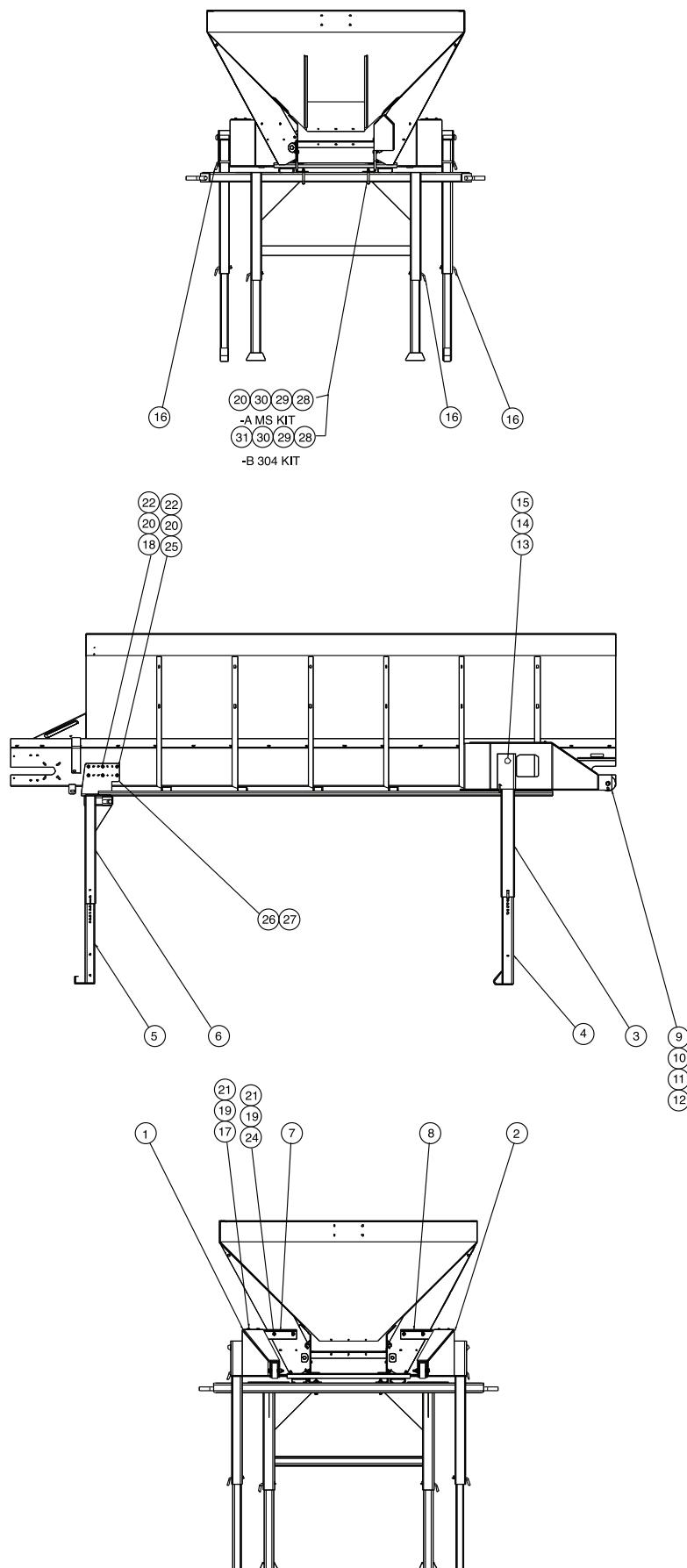
Item	Qty	Part Number	Description
1	1	00011796-E 00011796-B	Catwalk Weldment, 17', RH, MS Catwalk Weldment, 17', RH, 304 SST
2	1	00011797-E 00011797-B	Catwalk Weldment, 17', LH, MS Catwalk Weldment, 17', LH, 304 SST
3	32	05010643 05016034	Bolt, $\frac{3}{8}$ -16 x 1, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1, HHCS, SST
4	32	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
5	32	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST

SELF-LOADING LEG KIT, MV/MSV



00054632 LEG KIT, SELF LOADING

Item	Qty	Part Number	Description
1	1	00058800-A 00058800-B	Leg Mount Weldment, Front, RH, MS Leg Mount Weldment, Front, RH, SST
2	1	00058801-A	Leg Mount Weldment, Front, LH, MS Leg Mount Weldment, Front, LH, SST
3	2	00085100-A	Leg Weldment, Front, Upper, MS Leg Weldment, Front, Upper, SST
4	2	00085102-A	Leg Weldment, Front, Lower, MS Leg Weldment, Front, Lower, SST
5	2	00085104-A	Leg Weldment, Rear, MS Leg Weldment, Rear, SST
6	1	00099489-A	Leg Weldment, RR, Upper, MS Leg Weldment, RR, Upper, SST
7	1	00058984-A	Mounting Angle, Front, RH, MS Mounting Angle, Front, RH, SST
8	1	00058985-A	Mounting Angle, Front, LH, MS Mounting Angle, Front, LH, SST
9	2	05050451	Wheel, Cast Iron
10	2	05010747	Bolt, %-11 x 4, HHCS, Zinc
11	4	05021017	Washer, %, Flat, Mil-Carb, SAE
12	2	05020837	Nut, %-11, GC, Top Lock, C&W
13	2	05021314	Washer, 1, Flat, Zinc
14	2	05022002	Pin, #8, Hair, %" - 1
15	2	05022077	Pin, 1 x 4½, Button Head, Zinc
16	6	05022136	Pin, ½x 4½, Grip Bent, Zinc
17	4	05010644 05016049	Bolt, %-16 x 1¼, HHCS, Zinc Bolt, %-16 x 1¼, HHCS, SST
18	12	05010691 05016096	Bolt, ½-13 x 1½, HHCS, Zinc Bolt, ½-13 x 1½, HHCS, SST
19	12	05020898 05020891	Nut, %-16, Top Lock, C&W Nut, %-16, Nylon Lock, SST
20	22	05020847 05020908	Nut, ½-13, Top Lock, C&W Nut, ½-13, Nylon Lock, SST
21	24	05021307 05021390	Washer, %, Flat, Zinc Washer, %, Flat, SST
22	20	05021309 05021391	Washer, ½, Flat, Zinc Washer, ½, Flat, SST
23	2	00028395-A 00028395-B	Pin, TGT Latch, MS Pin, TGT Latch, SST
24	8	05010643 05016034	Bolt, %-16 x 1, HHCS, Zinc Bolt, %-16 x 1, HHCS, SST
25	1	05010692 05016204	Bolt, ½-13 x 1¾, HHCS, Zinc Bolt, ½-13 x 1¾, HHCS, SST
26	1	00099494-A 00099494-B	Attachment Plate Weldment, RH, MS Attachment Plate Weldment, RH, SST
27	1	00099495-A 00099495-B	Attachment Plate Weldment, LH, MS Attachment Plate Weldment, LH, SST
28	2	05017039	U-Bolt
29	2	05010702	Bolt, ½-13 x 4 ½, G8, HHCS, Zinc
30	6	05021005	Washer, ½, Flat, Mil-Carb, SAE, Zinc
31	6	05020847	Nut, ½-13, Top Lock, C&W



00054633 LEG KIT, SELF LOADING, 6 X 6 TRUCK

Item	Qty	Part Number	Description
1	1	00058800-A 00058800-B	Leg Mount Weldment, Front, RH, MS Leg Mount Weldment, Front, RH, SST
2	1	00058801-A 00058801-B	Leg Mount Weldment, Front, LH, MS Leg Mount Weldment, Front, LH, SST
3	2	00085100-A 00085100-B	Leg Weldment, Front, Upper, MS Leg Weldment, Front, Upper, SST
4	2	00018819-A 00018819-B	Leg Weldment, Front Lower, MS Leg Weldment, Front Lower, SST
5	2	00018820-A 00018820-B	Leg Weldment, RR Lower, MS Leg Weldment, RR Lower, SST
6	1	00099489-A 00099489-B	Leg Weldment, RR, Upper, MS Leg Weldment, RR, Upper, SST
7	1	00058984-A 00058984-B	Mounting Angle, Front, RH, MS Mounting Angle, Front, RH, SST
8	1	00058985-A 00058985-B	Mounting Angle, Front, LH, MS Mounting Angle, Front, LH, SST
9	2	05050451	Wheel, Cast Iron
10	2	05010747	Bolt, %11 x 4, HHCS, Zinc
11	4	05021017	Washer, %, Flat, Mil-Carb, SAE
12	2	05020837	Nut, %11, GC, Top Lock, C&W
13	2	05021314	Washer, 1, Flat, Zinc
14	2	05022035	Pin, #11, Hair, Zinc
15	2	05022077	Pin, 1 x 4½, Button Head, Zinc
16	6	05022136	Pin, ½ x 4½, Grip Bent, Zinc
17	4	05010644 05016049	Bolt, %16 x 1¼, HHCS, Zinc Bolt, %16 x 1¼, HHCS, SST
18	12	05010691 05016096	Bolt, ½-13 x 1½, HHCS, Zinc Bolt, ½-13 x 1½, HHCS, SST
19	12	05020898 05020891	Nut, %16, Top Lock, C&W Nut, %16, Nylon Lock, SST
20	22	05020847 05020908	Nut, ½-13, Top Lock, C&W Nut, ½-13, Nylon Lock, SST
21	24	05021307 05021390	Washer, %, Flat, Zinc Washer, %, Flat, SST
22	20	05021309 05021391	Washer, ½, Flat, Zinc Washer, ½, Flat, SST
23	8	05010643 05016034	Bolt, %16 x 1, HHCS, Zinc Bolt, %16 x 1, HHCS, SST
24	4	05010692 05016204	Bolt, ½-13 x 1¾, HHCS, Zinc Bolt, ½-13 x 1¾, HHCS, SST
25	2	00028395-A 00028395-B	Pin, TGT Latch, HRR, MS Pin, TGT Latch, HRR, SST
26	1	00099494-A 00099494-B	Attachment Plate Weldment, RR Leg, RH, MS Attachment Plate Weldment, RR Leg, RH, SST
27	1	00099495-A 00099495-B	Attachment Plate Weldment, RR Leg, LH, MS Attachment Plate Weldment, RR Leg, LH, SST
28	2	05017039	U-Bolt, 3.063 x 4¾ x ½-13 Hardened
29	2	05010702	Bolt, ½-13 x 4½, G8, HHCS, Zinc
30	6	05021005	Washer, ½, Flat, Mil-Carb, Zinc
31	6	05020847	Washer, ½-13, Top Lock, C&W, GR C

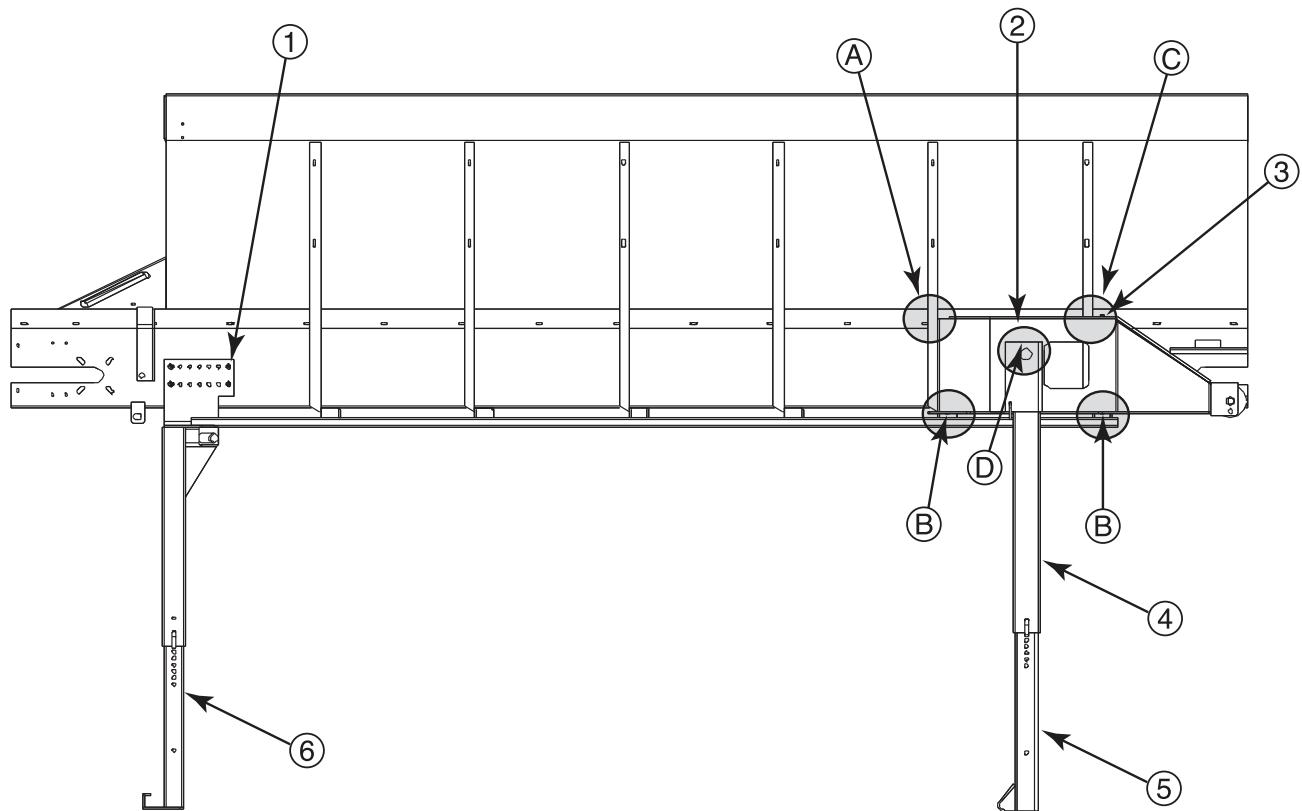
INSTALLATION INSTRUCTIONS FOR OPTIONAL SELF-LOADING LEG KIT

Please refer to the illustration on the following page for specific reference items.

1. Measure the length of dump body floor for correct positioning of rear leg/tailgate latch weldment onto the v-box. Take into consideration the length of the doghouse (if applicable) when taking this measurement. (Note: The v-box should be installed as far forward as possible into dump body.)
2. Properly and securely block the v-box off of the ground to provide clearance for installation of the leg kit. (Safety should be your number one consideration when doing this.)
3. Install the two rear lower leg weldments, item #6, into the rear leg/tailgate latch weldment, item #1, and secure with two $\frac{1}{2}$ " x $4\frac{1}{2}$ " bent pins. (Note: Install the rear lower leg weldments with the long side of the bottom pad to the rear.)
4. Position rear leg/tailgate latch weldment, item #1, onto v-box longmembers so the tailgate latch to the front of the v-box measurement is less than the dump body floor measurement. (Note: If the v-box has rear slack adjusters, the rear angles must be removed before positioning the rear leg/tailgate latch weldment.) Align two of the holes on each side of the rear leg/tailgate latch weldment with the existing holes in the v-box longmembers. Install two $\frac{1}{2}$ " x $1\frac{1}{2}$ " hex head cap screws and lock nuts to each side of the weldment. Using the rear weldment as a template, drill four additional holes through each v-box longmember and install four more $\frac{1}{2}$ " x $1\frac{1}{2}$ " hex head capscrews and nuts on each side of the weldment. (Note: If the v-box had rear slack adjusters, the rear angles should be reinstalled outside of the rear leg/tailgate latch weldment at this point.) Hold the rear legs so they are perpendicular to the v-box longmembers and tighten all the hardware installed thus far.
5. Attach the right front leg mount weldment, item #2, onto the second vertical rib at point "A" using two $\frac{3}{8}$ " x $1\frac{1}{4}$ " hex head capscrews, lock nuts and four flat washers. Attach the right front leg mount weldment onto the first two bottom cross channels at point "B" using two $\frac{1}{2}$ " x $1\frac{1}{2}$ " hex head capscrews, lock nuts and flat washers. Also attach the right front leg mount weldment to the first vertical rib at point "C" using the RH leg mounting angle, item #3, four $\frac{3}{8}$ " x $1\frac{1}{4}$ " hex head capscrews, lock nuts and eight flat washers.
6. Attach the left front leg mount weldment in the same manner as the right front leg mount weldment in step 5. Tighten all hardware at this time.
7. Install the two front upper leg weldments, item #4, to the front leg mount weldments using two $1"$ x $4\frac{1}{2}$ " button head pins and hair pins at "D". Secure these upper leg weldments in a vertical position using two $\frac{1}{2}$ " x $4\frac{1}{2}$ " bent pins.
8. Install the two front lower leg weldments, item #5, into the two front upper leg weldments and secure with two $\frac{1}{2}$ " x $4\frac{1}{2}$ " bent pins. (Note: Install the front lower leg weldments with the long side of the bottom pad to the rear.)
9. Install v-box into dump body. Position the $1\frac{1}{4}$ " diameter, bent latch pins at the correct height on the rear tailgate latch cross tube to engage into the dump body tailgate latch system. Weld securely into place.

Note: Additional tie downs must be used on the sides of the v-box to secure it to the dump body before transport and/or use.

INSTALLATION DIAGRAM



CHASSIS MOUNT HYDRAULIC PIPE KIT

00056835 PIPE KIT, CHASSIS MOUNT, 9'

Item	Qty	Part Number	Description
1	1	05038026	Tube, Steel, 1¼, 84" OAL
2	2	05038025	Tube, Steel, ¾, 84" OAL
3	4	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	12	05010653 05016046	Bolt, %-16 x 3½, G8, HHCS, Zinc Bolt, %-16 x 3½, HHCS, SST
5	12	05020898 05020891	Nut, %-16, Top Lock, C&W Nut, %-16, Nylon Lock, SST
6	24	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056836 PIPE KIT, CHASSIS MOUNT, 10'

Item	Qty	Part Number	Description
1	1	05037418	Tube, Steel, 1¼, 96" OAL
2	2	05037417	Tube, Steel, ¾, 96" OAL
3	4	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	12	05010653 05016046	Bolt, %-16 x 3½, G8, HHCS, Zinc Bolt, %-16 x 3½, HHCS, SST
5	12	05020898 05020891	Nut, %-16, Top Lock, C&W Nut, %-16, Nylon Lock, SST
6	24	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

0506837 PIPE KIT, CHASSIS MOUNT, 11'

Item	Qty	Part Number	Description
1	1	05051209	Tube, Steel, 1¼, 108" OAL
2	2	05051208	Tube, Steel, ¾, 108" OAL
3	5	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	15	05010653 05016046	Bolt, ¾-16 x 3½, G8, HHCS, Zinc Bolt, ¾-16 x 3½, HHCS, SST
5	15	05020898 05020891	Nut, ¾-16, Top Lock, C&W Nut, ¾-16, Nylon Lock, SST
6	30	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056838 PIPE KIT, CHASSIS MOUNT, 12'

Item	Qty	Part Number	Description
1	1	05037427	Tube, Steel, 1¼, 120" OAL
2	2	05037426	Tube, Steel, ¾, 120" OAL
3	5	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	15	05010653 05016046	Bolt, ¾-16 x 3½, G8, HHCS, Zinc Bolt, ¾-16 x 3½, HHCS, SST
5	15	05020898 05020891	Nut, ¾-16, Top Lock, C&W Nut, ¾-16, Nylon Lock, SST
6	30	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056839 PIPE KIT, CHASSIS MOUNT, 13'

Item	Qty	Part Number	Description
1	1	05051211	Tube, Steel, 1¼, 132" OAL
2	2	05051210	Tube, Steel, ¾, 132" OAL
3	6	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	18	05010653 05016046	Bolt, ¾-16 x 3½, G8, HHCS, Zinc Bolt, ¾-16 x 3½, HHCS, SST
5	18	05020898 05020891	Nut, ¾-16, Top Lock, C&W Nut, ¾-16, Nylon Lock, SST
6	36	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056840 PIPE KIT, CHASSIS MOUNT, 14'

Item	Qty	Part Number	Description
1	1	05037034	Tube, Steel, 1¼, 144" OAL
2	2	05037035	Tube, Steel, ¾, 144" OAL
3	6	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	18	05010653 05016046	Bolt, %-16 x 3½, G8, HHCS, Zinc Bolt, %-16 x 3½, HHCS, SST
5	18	05020898 05020891	Nut, %-16, Top Lock, C&W Nut, %-16, Nylon Lock, SST
6	36	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056841 PIPE KIT, CHASSIS MOUNT, 15'

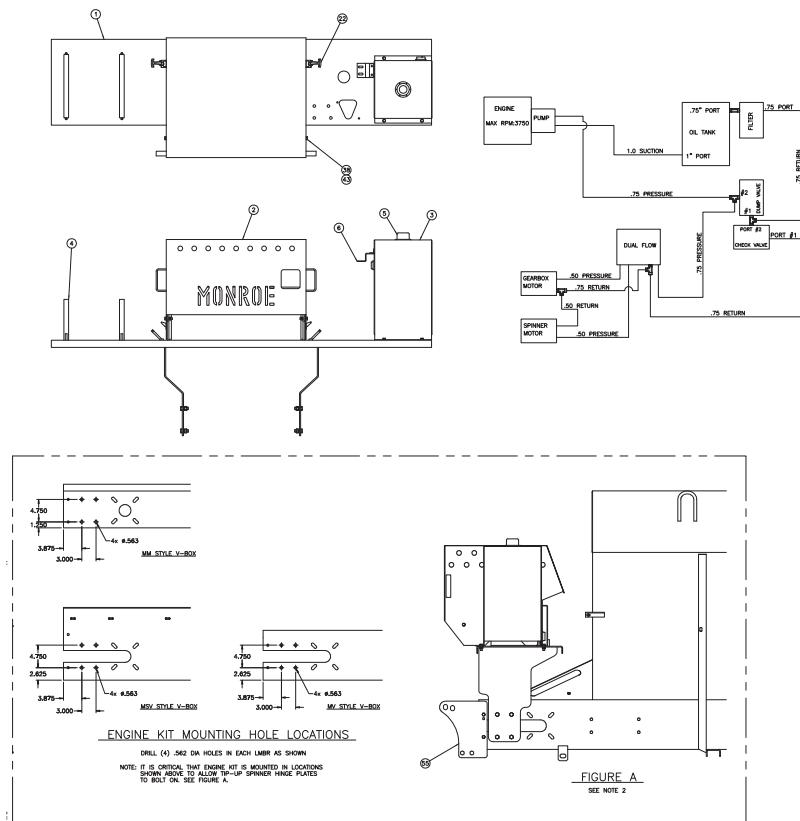
Item	Qty	Part Number	Description
1	1	05050027	Tube, Steel, 1¼, 158" OAL
2	2	05050026	Tube, Steel, ¾, 158" OAL
3	7	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	21	05010653 05016046	Bolt, %-16 x 3½, G8, HHCS, Zinc Bolt, %-16 x 3½, HHCS, SST
5	21	05020898 05020891	Nut, %-16, Top Lock, C&W Nut, %-16, Nylon Lock, SST
6	42	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056842 PIPE KIT, CHASSIS MOUNT, 16'

Item	Qty	Part Number	Description
1	1	05050266	Tube, Steel, 1¼, 168" OAL
2	2	05050265	Tube, Steel, ¾, 168" OAL
3	7	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	21	05010653 05016046	Bolt, ¾-16 x 3½, G8, HHCS, Zinc Bolt, ¾-16 x 3½, HHCS, SST
5	21	05020898 05020891	Nut, ¾-16, Top Lock, C&W Nut, ¾-16, Nylon Lock, SST
6	42	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST

00056843 PIPE KIT, CHASSIS MOUNT, 17'

Item	Qty	Part Number	Description
1	1	05038141	Tube, Steel, 1¼, 180" OAL
2	2	05038140	Tube, Steel, ¾, 180" OAL
3	8	05050093	Clamp, UHMW 2-Piece, 1" x 2" x 7"
4	24	05010653 05016046	Bolt, ¾-16 x 3½, G8, HHCS, Zinc Bolt, ¾-16 x 3½, HHCS, SST
5	24	05020898 05020891	Nut, ¾-16, Top Lock, C&W Nut, ¾-16, Nylon Lock, SST
6	48	05021307 05021390	Washer, ¾, Flat, Zinc Washer, ¾, Flat, SST



00012602-A ENGINE KIT, MV/MSV, 20HP, HYD V, MS

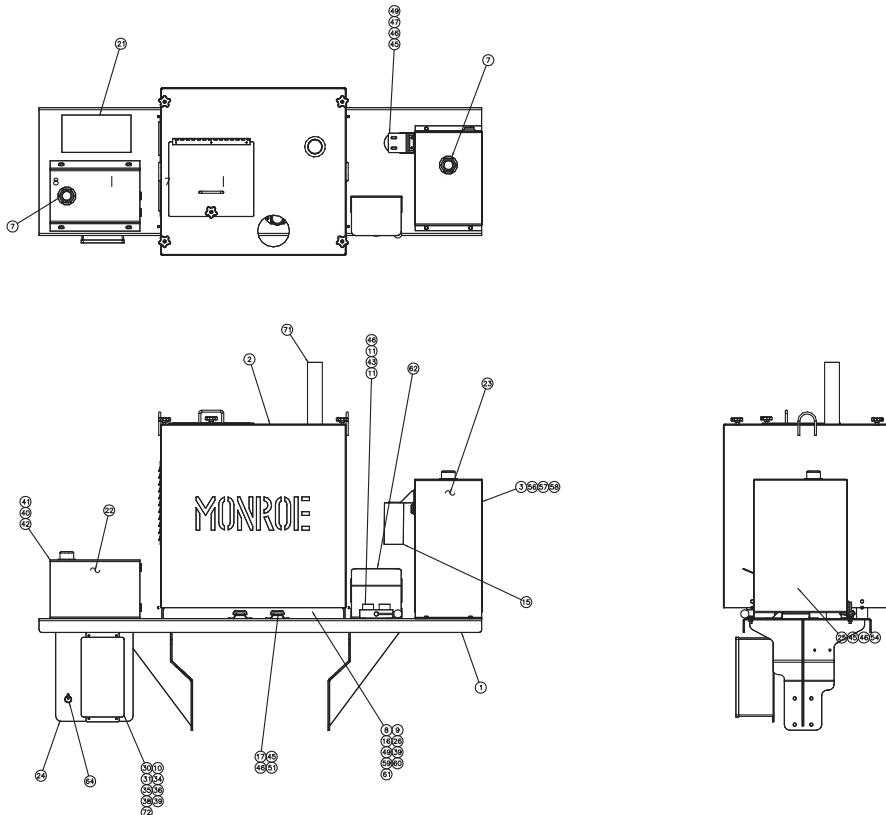
00012602-B ENGINE KIT, MV/MSV, 20HP, HYD V, SST

Item	Qty.	Part Number	Description
1	1	00037692-A	MOUNTING PLATE WLDMT,MS
1	1	00037692-B	MOUNTING PLATE WLDMT,304
2	1	00057020-A	HOOD WLDMT,MOTOR,MS
2	1	00057020-B	HOOD WLDMT,MOTOR,304
3	1	00047867-A	OIL RESERVOIR,WLDMT,MS
3	1	00047867-B	OIL RESERVOIR,WLDMT,304
4	2	00057125-A	GAS CONTAINER STRAP,WLDMT,MS
4	2	00057125-B	GAS CONTAINER STRAP,WLDMT,304
5	1	05051189	FILLER CAP
6	1	00046237-A	BRACKET,SUPPORT,FILTER ASSY,MS
6	1	00046237-B	BRACKET,SUPPORT,FILTER ASSY,304
7	1	05043047	FITTING,BUSHING,RDCR,1.312MORBx1.063FORB
8	1	05005038	ENGINE,25HP,KOHLER,GAS,W/FLNGE
9	1	05008004	PUMP,COMMERCIAL .93CU IN B-MNT
10	1	PSM1000MK	VALVE,SPREADER MANIFOLD
11	1	05037163	HOSE KIT,FOR SELF CONTAINED
12	1	05041583	PIGTAIL,7-POLE MOLDED,W/10'CBL
13	1	05041011	CABLE,BLACK BATTERY,4GA 19" OAL
14	1	05041752	CABLE,RED BATTERY,4GA,26" OAL
15	1	05041034	PANEL,INSTRUMENT,MV/MSV SELF
16	1	05041087	JUNCTION BOX,RECTANGULAR
17	1	05050037	FILTER ASSY,W/10 MICRON ELEMEN
18	1	05050038	VALVE,DUMP W/BODY ORB PORTS
19	1	05050061	BATTERY TRAY,PLASTIC F/BATTERY
20	1	05050062	BATTERY HOLD DOWN,CROSS-BAR
21	1	05050063	BOLT,BATTERY HOLD DOWN,J-STYLE
22	REF	05050067	HOOD CATCH,RUBBER,W/BRACKET
23	1	05052776	TANK,GAS,12GL,RECT,POLY,
24	8	05041313	CABLE,WIRE,14 GUAGE/2 CONDUCTOR
25	2	05037282	CLAMP,HOSE .500 SST
26	1	05038277	BARB,HOSE,.250 NPT-MALE-BRASS

00012602-A ENGINE KIT, MV/MSV, 20HP, HYD V, MS

00012602-B ENGINE KIT, MV/MSV, 20HP, HYD V, SST

27	1	05038278	ELBOW,.250 NPT,BRASS,MALE
28	1	05041264	SWITCH,TOGGLE,SPST,ON-OFF
29	1	05041762	BOOT,TOGGLE SWITCH
30	1	FA-SSC2100-SA	FORCE, CONTROL, 2 FUNCTION, SA
31	1	05010603	BOLT .25-20 x 3.50 G8 HHCS ZC
31	1	05016123	BOLT .25-20 x 3.50 HHCS SST
32	1	05010601	BOLT .25-20 x 3.00 G8 HHCS ZC
32	1	05016021	BOLT .25-20 x 3.00 HHCS SST
33	2	05010599	BOLT .25-20 x 2.50 G8 HHCS ZC
33	2	05016119	BOLT .25-20 x 2.50 HHCS SST
34	3	05010595	BOLT .25-20 x 1.50 G8 HHCS ZC
34	3	05016038	BOLT .25-20 x 1.50 HHCS SST
35	8	05010593	BOLT .25-20 x 1.00 G8 HHCS ZC
35	8	05016040	BOLT .25-20 x 1.00 HHCS SST
36	2	05010591	BOLT .25-20 x .750 G8 HHCS ZC
36	2	05016113	BOLT .25-20 x .750 HHCS SST
37	4	05010643	BOLT .375-16 x 1.00 G8 HHCS ZC
37	4	05016034	BOLT .375-16 x 1.00 HHCS SST
38	2	05010644	BOLT .375-16 x 1.25 G8 HHCS ZC
38	2	05016049	BOLT .375-16 x 1.25 HHCS SST
39	4	05010645	BOLT .375-16 x 1.50 G8 HHCS ZC
39	4	05016162	BOLT .375-16 x 1.50 HHCS SST
40	1	05010691	BOLT .500-13 x 1.50 G8 HHCS ZC
40	1	05016096	BOLT .500-13 x 1.50 HHCS SST
41	8	05010690	BOLT .500-13 x 1.25 G8 HHCS ZC
41	8	05016045	BOLT .500-13 x 1.25 HHCS SST
42	15	05020899	NUT .250-20 G8 HEX ZC
42	15	05020906	NUT .250-20 G8 HEX SST
43	12	05020891	NUT .375-16 NYLON LOCK 316 SST
43	12	05020898	NUT .375-16 TOPLOCK C&W,GR C
44	8	05020847	NUT .500-12 TOPLOCK C&W,GR C
44	8	05020848	NUT .500-12 NYLON LOCK 316 SST
45	12	05021305	WASHER .250 FLAT ZC
45	12	05021403	WASHER .250 FLAT SST
46	12	05021307	WASHER .375 FLAT ZC
46	12	05021390	WASHER .375 FLAT SST
47	2	05021363	WASHER .250 LOCK ZC
47	2	05021393	WASHER .250 LOCK SST
48	1	05050164	CLAMP,.50 ID,CUSHIONED METAL
49	2	05052475	CLAMP,.375",CUSHIONED METAL,#6,.5"WIDE,SST
50	2	05051780	RUBBER BUFFER,.125x1.500x28.000
51	4FT	05038301	FUEL 1/4 ID PER FOOT
52	2	05051279	CLAMP,FUEL LINE,FOR IN-LINE
53	1	00052282	CRANK ASSY,JACK,48",MS (SEE NOTE1)
54	4	05041780	CONNECTOR,ELEC,16-14GA
55	2	00092699	HINGE PL,SPINNER,MV/MSV,TIP-UP,EU PKG
57	1	05041137	PLUG/SOCKET ASSY,4-POLE DIE CAST
58	30'	05041397	CABLE,WIRE,16GA/4 WIRE
61	1	05005039	PLUG,KOHLER,SQUARE,F/05005038
62	1	05005040	PLUG,KOHLER,1/2"BUTTON
63	1	05044165	CHECK VALVE,CV12-20,60 PSI
64	1	6402-12-12	HYD FITNG, STRAIGHT THREAD
65	1	6801-12	HYD FITNG, ADAPTER 90*, 1-1/16
66	1	05051008	GAUGE, SIGHT, ZIN SG-5-T, F/10/20



00010149-A ENGINE KIT, MV/MSV, DIESEL, HYD, MS

00010149-B ENGINE KIT, MV/MSV, DIESEL, HYD, SST

Item	Qty.	Part Number	Description
1	1	00117796-A	MOUNTING PL WLDMT,DEU,MV/MSV,KUBOTA,MS
1	1	00117796-B	MOUNTING PL WLDMT,DEU,MV/MSV,KUBOTA
2	1	00119045-A	HOOD ASSY,DEU,MV/MSV,KUBOTA,MS
3	1	00020241-A	OIL RESERVOIR WLDMT,MV/MSV,DEU,MS
3	1	00020241-B	OIL RESERVOIR WLDMT,MV/MSV,DEU,304
4	2	3220-8-6	AIR FITNG,1/2x3/8 RED BUSH
5	1	05005033	ENGINE,25HP,KUBOTA DIESEL,MODEL D1105
6	1	00024551	TANK WLDMT,FUEL,MV/MSV,6 GAL,DEU
7	2	05051189	FILLER CAP,HOT-20,OIL TANK
8	1	00024534-A	BRACKET,OIL FILTER,MV/MSV,DEU,MS
8	1	00024534-B	BRACKET,OIL FILTER,MV/MSV,DEU,304
9	1	05008639	PUMP,2.17 CID B-MNT,RR PORTS,B-SPL,SAE
10	1	05041602	JCT BOX,14x7x6.5 FIB,HYD
11	1	PSM1000MK	VALVE,SPREADER MANIFOLD,STAND ALONE
12	1	05044089	HOSE KIT,SELF CONTAINED,DEU,KUBOTA
13	1	00024563	CABLE ASSY,BATTERY,MV/MSV,DEU,BLACK
14	1	00024565	CABLE ASSY,BATTERY,MV/MSV,DEU,RED,48
15	1	05052483	FILTER,HYD ASSY,1.25NPT,15PSI BYPASS
16	1	05052479	RESTRICTION INDICATOR,AIR
17	4	H97M	WASHER,FENDER,3/8x2x1/8,ZC
18	4	05052762	ISOLATOR,VIBRATION,.75# AXIAL
21	1	05050606	BATTERY BOX,F/FULL SIZE,BATTERY ON
22	1	05052505	LABEL,1.50x6.00,DEISEL FUEL ONLY
23	1	05052506	LABEL,1.50x6.0,HYDRAULIC FLUID
24	1	00117797-A	MTG PL WLDMT,ENCLOSURE BOX,DEU,KUBOTA
26	1	OJV7	AIR FITNG,NIPPLE 1/8 CLOSE BRASS
27	6	05050485	CLAMP,1",CUSHIONED METAL,#16HD .75 WIDE
28	5	05050164	CLAMP,.5,CUSHIONED METAL,#8HD .5 WIDE
29	1	00024564	CABLE ASSY,BATTERY,MV/MSV,DEU,BLACK,30
30	1	05041130	FITTING,.75 COMPRESSION,PLASTIC WIRE
31	1	05041148	NUT .750 W/SEAL,F/05041130 WIRE ENTRAN

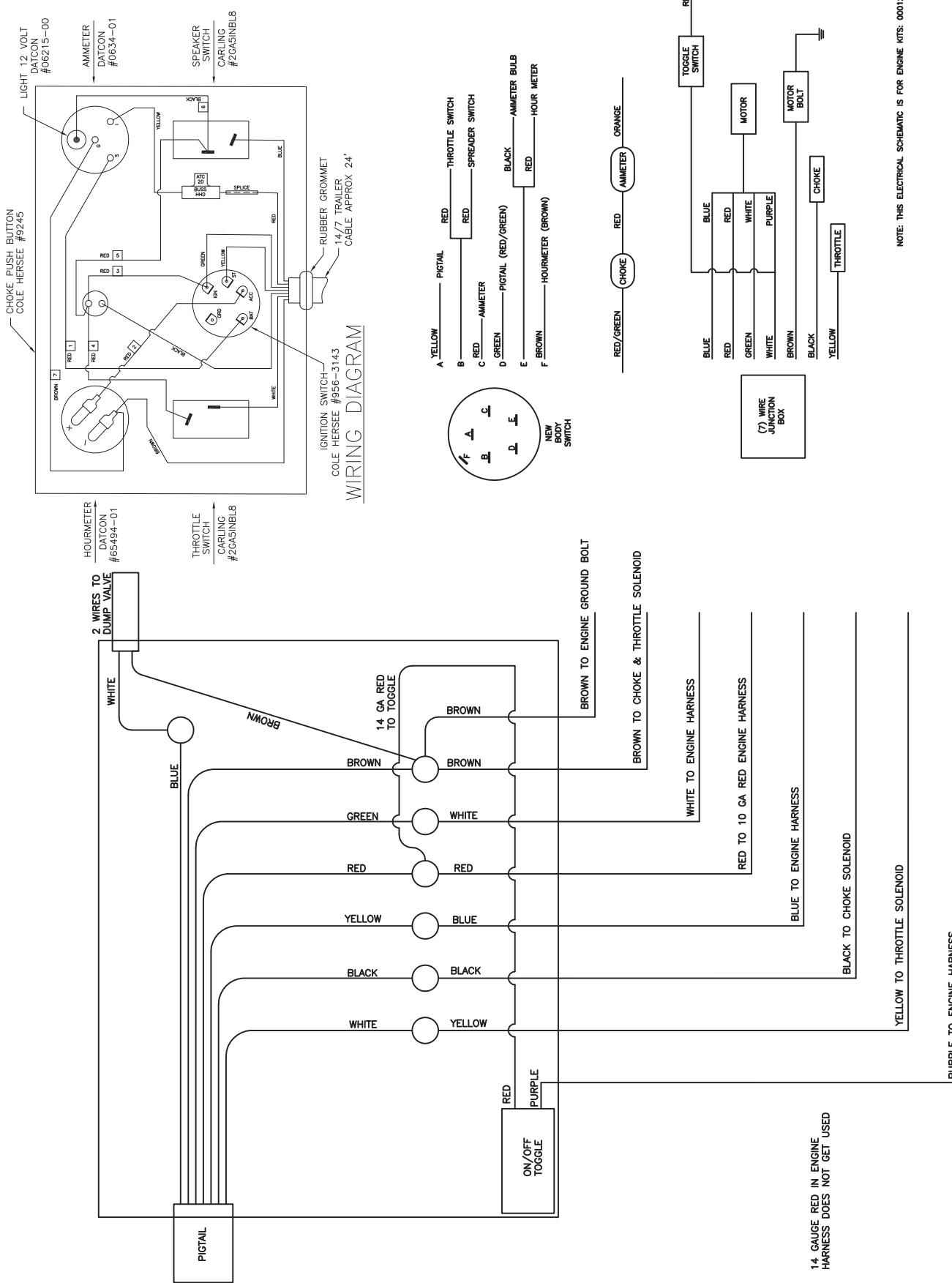
00010149-A ENGINE KIT, MV/MSV, DIESEL, HYD, MS

00010149-B ENGINE KIT, MV/MSV, DIESEL, HYD, SST

32	2	05052474	CLAMP,.25,CUSHIONED METAL,#4 .5 WIDE
33	6	05050744	BUSHING,OPEN/CLOSED,SNAP .453ID .625
34	2'	05052202	WIRE,12GA RED
35	1.5'	WG-10-6	WIRE,10GA,BLUE
36	14	05016040	BOLT .25-20x1.00 HHCS SS
37	16	05020906	NUT .250-20 NYLON LOCK 316 SS
38	18	05021403	WASHER .25 FLAT SST
39	1	00024758	PIPE 1.25 SCHED 40x6.0
40	13'	05038301	HOSE,FUEL LINE,.25 ID
41	4	05037282	CLAMP.HOSE,.50 SST
42	2	05043049	HOSE BARB,1/4 BARB x 3.8 MNPT,BRASS
43	2	05010601	BOLT .250-20x3.00 G8 HHCS ZC
43	2	05016021	BOLT .250-20x3.00 HHCS SS
44	2	05010626	BOLT .313-187x3.00 G8 HHCS ZC
44	2	05010626	BOLT .313-18x3.00 G8 HHCS ZC
45	14	05020907	NUT .313-18 NYLON LOCK 316 SST
45	14	05020909	NUT .313-18 GC TOPLOCK ZC
46	14	05021306	WASHER .313 FLAT ZC
46	14	05021404	WASHER .313 FLAT SST
47	2	05021364	WASHER .313 LOCK ZC
47	2	05021407	WASHER .313 LOCK SST
48	2	05010616	BOLT .313-18x.750 G8 HHCS ZC
48	2	05016136	BOLT .313-18x.750 HHCS SST
49	8	05010618	BOLT .313-18x100 G8 HHCS ZC
49	8	05016138	BOLT .313-18x1.00 HHCS SST
52	2	05010651	BOLT .375-16x3.00 G8 HHCS ZC
53	2	05020898	NUT .375-16 GC TOPLOCK C&W
54	2	05010624	BOLT .313-18x2.50 HHCS ZC
54	2	05016144	BOLT .313-18x2.50 HHCS SST
56	4	05010643	BOLT .375-16x1.00 G8 HHCS ZC
56	4	05016034	BOLT .375-16x1.00 HHCS SS
57	4	05020891	NUT .375-16 NYLON LOCK 316 SST
57	4	05020898	NUT .375-16 GC TOPLOCK C&W
58	8	05021307	WASHER .375 FLAT ZC
58	8	05021418	WASHER .375 FLAT SST
59	2	05017043	BOLT M14-M1.5x35MM HHCS ZC
60	2	05021440	WASHER M14 FLAT ZC
61	2	05021439	WASHER M14 LOCK ZC
62	1	00024555-A	SHIELD WLDMT,VALVE,MV/MSV,DEU,MS
62	1	00024555-B	SHIELD WLDMT,VALVE,MV/MSV,DEU,304
63	1	00052282	CRANK ASSY,JACK,48,MS (SEE NOTE 1)
63	1	00052284	CRANK ASSY,JACK,48,304 (SEE NOTE 1)
64	1	05041757	SWITCH,DISCONNECT,LEVER,DPST
65	1	05090305	MANUAL INSERT,MV/MSV,DIESEL ENG,KUBOTA
66	1	05051008	GAUGE,SITE ZIN,SG-5-T,F/10/20
67	1	FA-SSC2100-SA	FORCE, CONTROL, 2 FUNCTION, SA
71	1	05052763	EXHAUST PIPE,15",#520900 F&F
72	1	00088289	MTG PL,PLUMBING/PUMP

00147686 ELECTRICAL SCHEMATIC - V-BOX ENGINE KIT

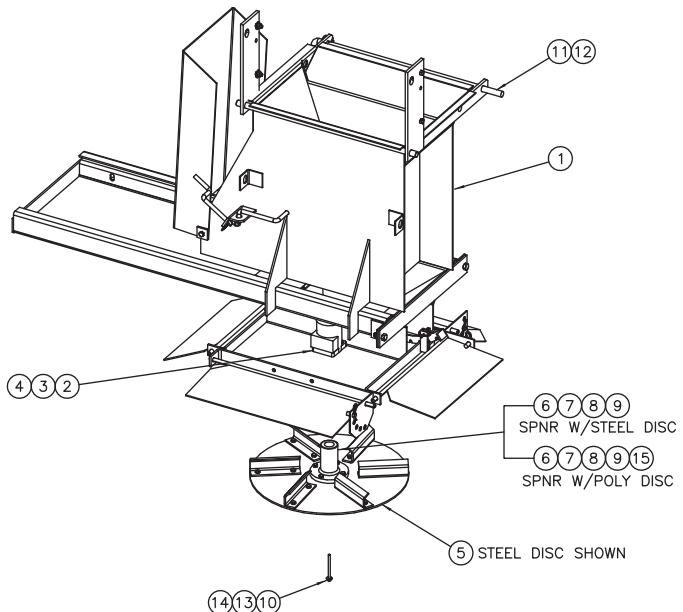
05041034 MONROE STARTER BOX



SPINNER ASSEMBLIES

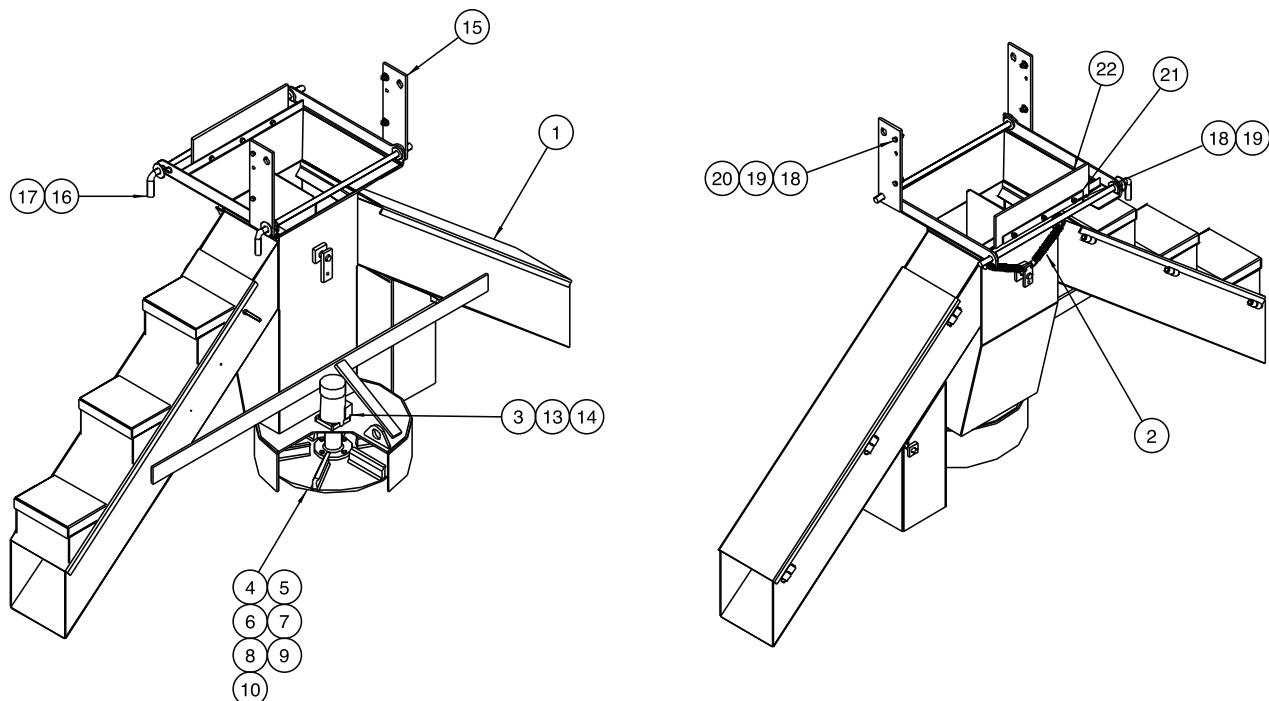
To order replacement parts for Spinner Assemblies please refer to the following chart. Choose the appropriate Top Level Spinner Number, and refer to the corresponding Chute Assembly and Lower Spinner Assembly to find the necessary replacement part. If any questions please call factory.

Spinner Top Level Number	Chute Assembly Part Number	Lower Spinner Assembly Part Number
00050742 Spinner Assembly, Cadillac See Page 100	N/A	00050741 See Page 117
00071788 Y-Spinner Assy., Tip-Up See Page 101	00071787 See Page 108	N/A
00012750 Spinner Assy., Dual, Y-Chute See Page 102-103	00058878 See Page 109	N/A
00017037 1/2-Y-Center Line, Spinner Assy. See Page 104-105	00083702 See Page 110	N/A
00016124 1/2-Y-Spinner Assy., Tip-Up See Page 106-107	00071202 See Page 111	N/A
00012815 Spinner Assy., Bolt On	00028044 See Page 112	00028000 See Page 120-121
00016153 Spinner Assy., w/ Speed Sensor, Bolt On	00028044 See Page 112	00069599 See Page 122-123
00078898 Spinner Assy., Bottom Mount Motor, Bolt On	00028044 See Page 112	00071794 See Page 124-125
00012816 Spinner Assy., Tip-Up	00028053 See Page 113	00028000 See Page 120-121
00078892 Spinner Assy., Bottom Mount Motor, Tip-Up	00028053 See Page 113	00071794 See Page 124-125
00012863 Spinner Assy., Twin	00063484 See Page 114	00063491 See Page 126-127
00012669 Spinner Assy., Center Line	00050789 See Page 115	00028000 See Page 120-121
00016678 Spinner Assy., Tip Up, RH Discharge	00077600 See Page 116	00076980 See Page 128-129



00050742 SPINNER ASSEMBLY, CADILLAC SPINNER

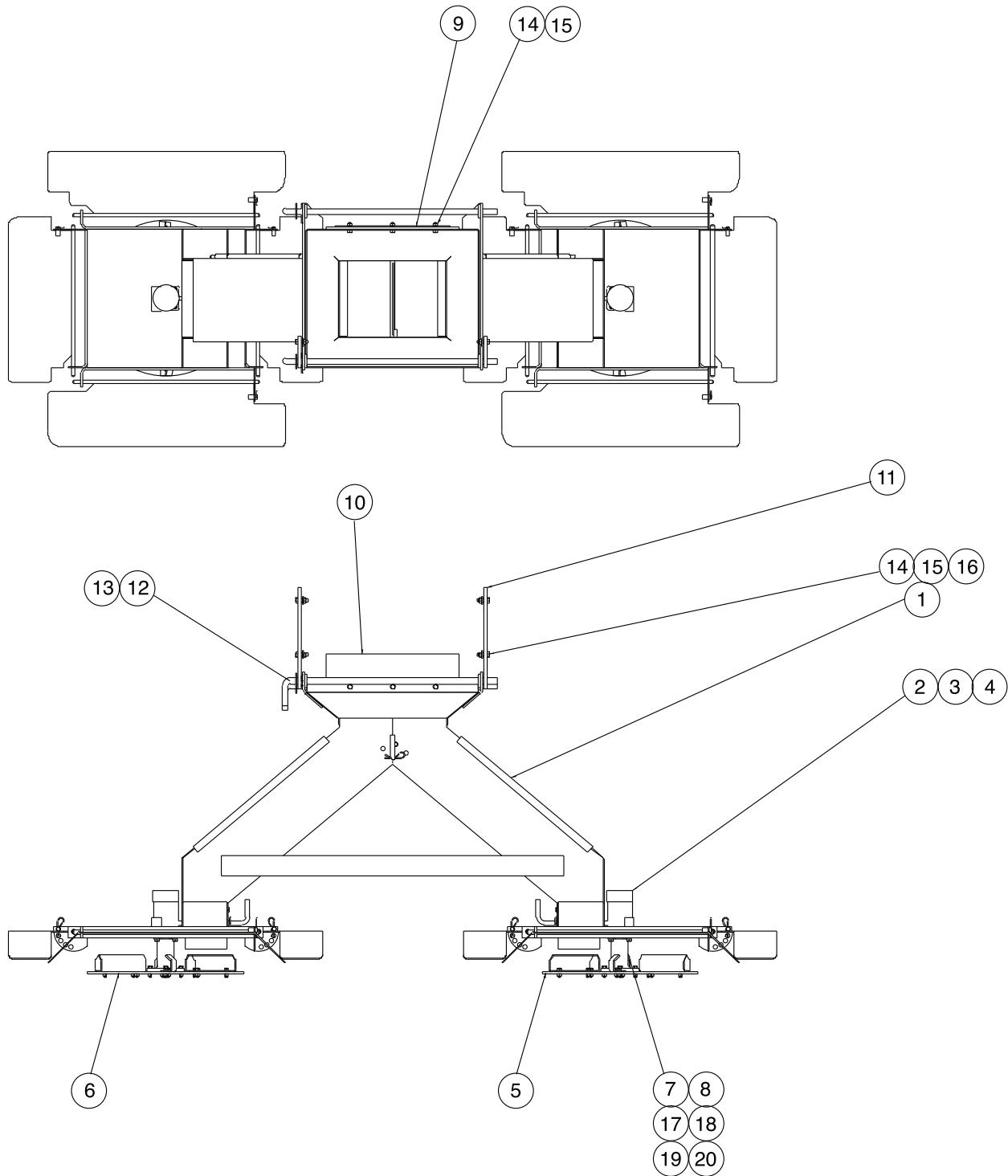
Item	Qty	Part Number	Description
1	1	00050741-A 00050741-B	Spinner Assembly, Upper/Lower, MS (See page 117) Spinner Assembly, Upper/Lower, 304 SST
2	1	05006585	Motor, Hydraulic, Eaton, 2.8 CID, 4-Bolt, 1" Shaft (See page 156-157)
3	4	05010642 05016050	Bolt, $\frac{3}{16}$ -16 x $\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $\frac{1}{2}$, HHCS, SST
4	4	05021365 05021392	Washer, $\frac{3}{16}$, Lock, SC Washer, $\frac{3}{16}$, Lock, SST
5	1	00099404-A 00099404-B 05050794	Disc Assembly, Spinner, 20", CCW, MS (See page 139) Disc Assembly, Spinner, 20" CCW, 304 SST Disc, Spinner , 20" CCW, Poly with Molded Flights (See page 141)
6	1	05050054	Hub, Spinner Assembly, Ext Shaft, w/ Set Screw
7	4	05010619 05016139	Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, HHCS, SST
8	4	05020265 05020855	Nut, $\frac{5}{16}$ -18, G8, Hex, Zinc Nut, $\frac{5}{16}$ -18, G8, Hex, SST
9	4	05021364 05021407	Washer, $\frac{3}{16}$, Lock, Zinc Washer, $\frac{3}{16}$, Lock, SST
10	1	05010603 05010605	Bolt, $\frac{1}{4}$ -20 x $3\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{1}{4}$ -20 x $3\frac{1}{2}$, HHCS, SST
11	1	00022880	Latch Rod Assembly, MS, Tip-Up
12	1	05022002	Pin, #8, Hair
13	1	05021305 05021403	Washer, $\frac{1}{4}$, Flat, Zinc Washer, $\frac{1}{4}$, Flat, SST
14	1	05021363 05021393	Washer, $\frac{1}{4}$, Lock, Zinc Washer, $\frac{1}{4}$, Lock, SST



00071788 Y-SPINNER ASSEMBLY

Item	Qty	Part Number	Description
1	1	00071787-A 00071787-B	Chute Assembly, MS (See page 108) Chute Assembly, 304 SST
2	2	05035056	Spring, Extension, 1" OD x 6" OAL
3	1	05006673	Motor, Hydraulic, White, 3.2 CID, 1" Shaft (See page 152-153)
4	1	05050054	Hub, Spinner Assembly, Extended Shaft
5	1	05051054	Spinner Disc, Poly, 18" CW
6	4	05010620 05016140	Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{2}$, GR, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{2}$, HHCS, SST
7	4	05020909 05020907	Nut, $\frac{5}{16}$ -18, Top Lock Nut, $\frac{5}{16}$ -18, Nylon Lock, SST
8	5	05021306 05021404	Washer, $\frac{5}{16}$, Flat, Zinc Washer, $\frac{5}{16}$, Flat, SST
9	5	05021364 05021407	Washer, $\frac{5}{16}$, Lock, Zinc Washer, $\frac{5}{16}$, Lock, SST
10	1	05010630	Bolt, $\frac{5}{16}$ -18 x 4, G8, HHCS, Zinc
13	4	05010642 05016034	Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, HHCS, SST
14	4	05021365 05021392	Washer, $\frac{3}{16}$, Lock, Zinc Washer, $\frac{3}{16}$, Lock, SST
15	2	00035112	Mounting Bracket, Tip-Up Spinner
16	2	00022880	Latch Rod Assembly
17	2	05022035	Pin, #11, Hair, Zinc
18	7	05010644 05016049	Bolt, $\frac{3}{16}$ -16 x 1 $\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x 1 $\frac{1}{4}$, HHCS, SST
19	7	05020898 05020891	Nut, $\frac{3}{16}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
20	4	05021307 05021390	Washer, $\frac{3}{16}$, Flat, Zinc Washer, $\frac{3}{16}$, Flat, SST
21	1	00053253-A 00053253-B	Support, Rubber Flap, MS Support, Rubber Flap, 304 SST
22	1	05050055	Wiper, 7 x 17

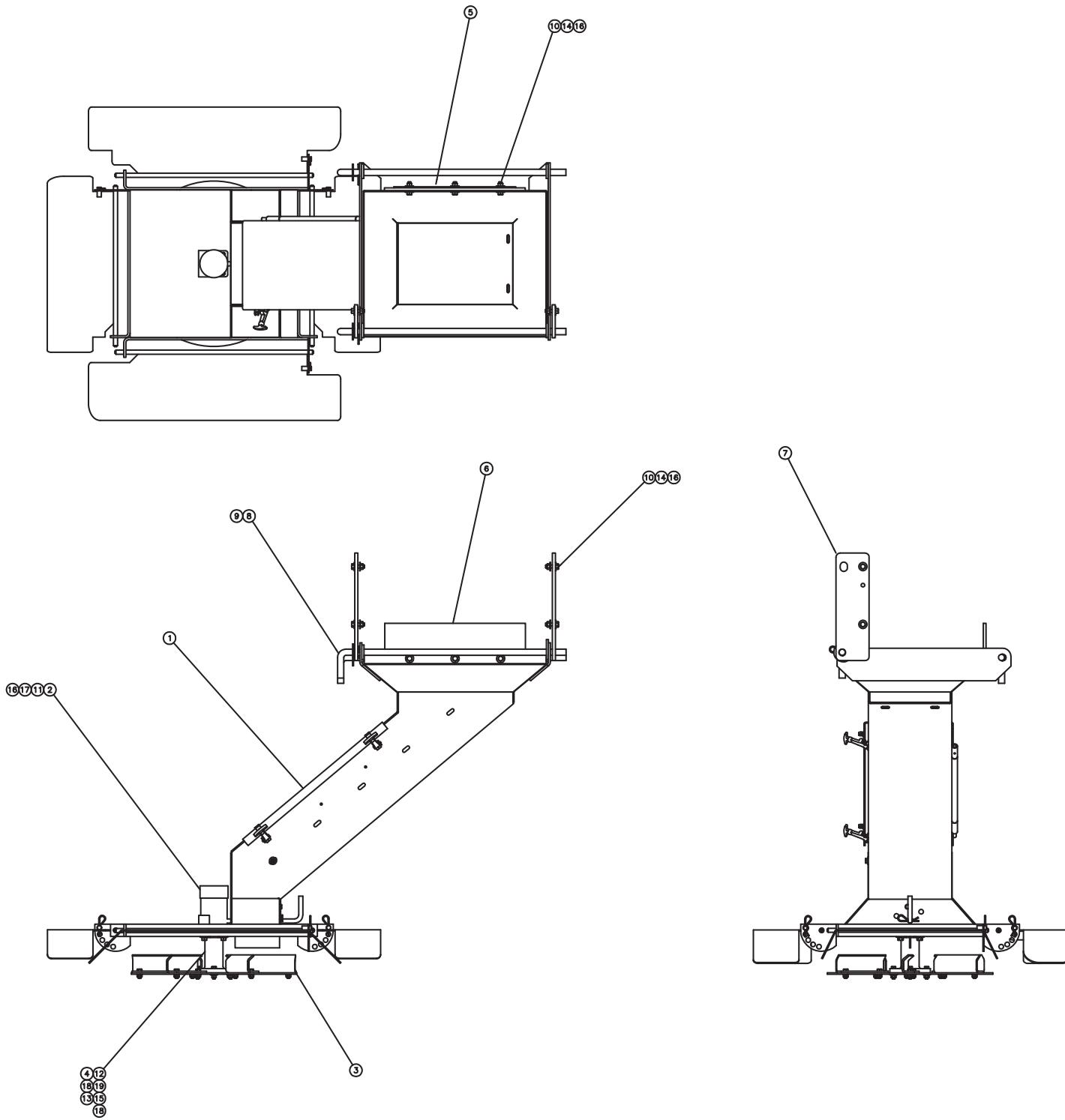
00012750 SPINNER ASSEMBLY, Y-SPINNER



00012750 SPINNER ASSEMBLY, Y-SPINNER

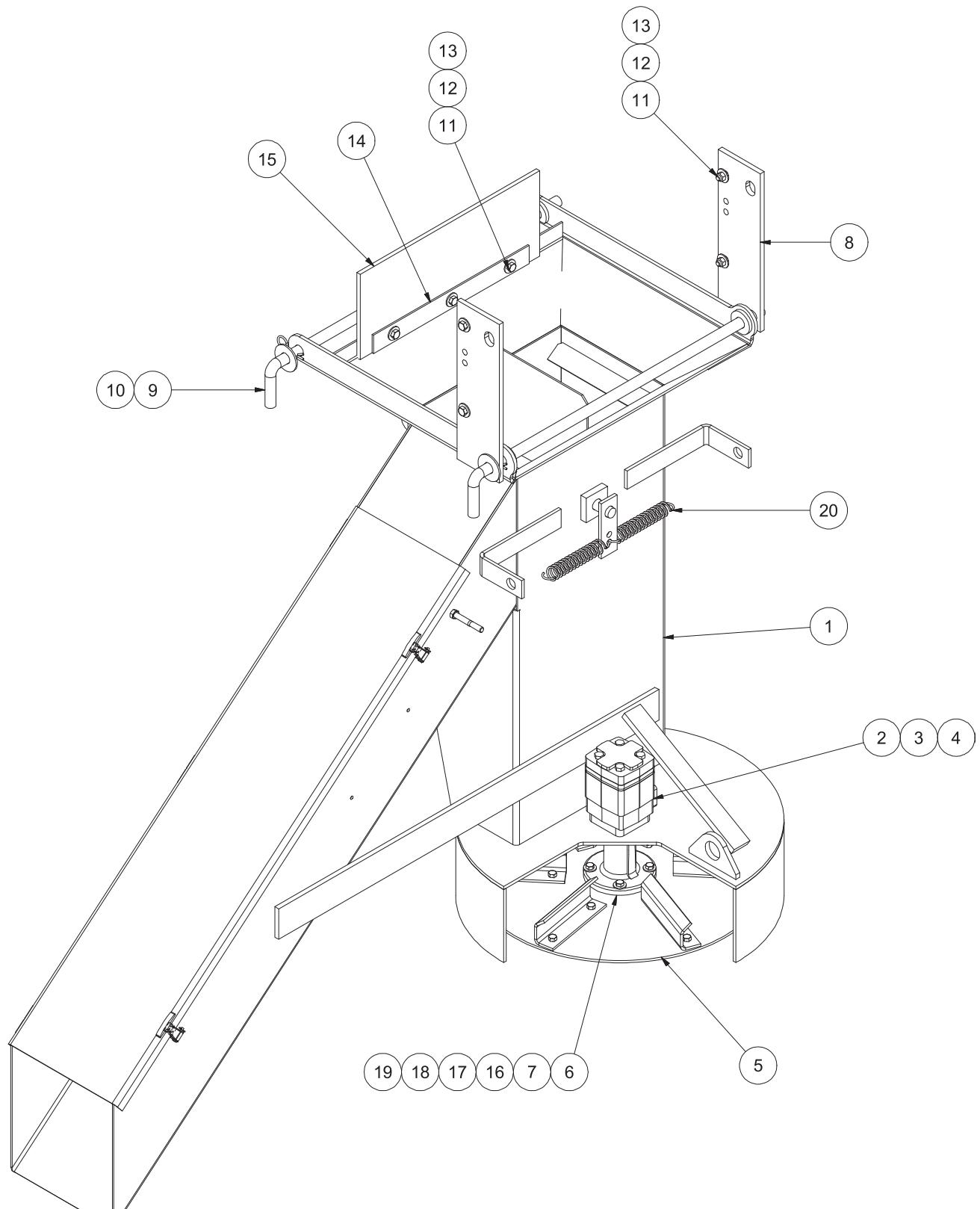
Item	Qty	Part Number	Description
1	1	00058878-A 00058878-B	Y-Chute Assembly, MS (See page 109) Y-Chute Assembly, SST
2	2	05006673	Motor, Hydraulic, White, 3.2 CID, 1" Shaft (See page 152-153)
3	8	05010642 05016050	Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $\frac{1}{8}$, HHCS, SST
4	8	05021365 05021392	Washer, $\frac{3}{16}$, Lock, Zinc Washer, $\frac{3}{16}$, Lock, SST
5	1	00099404-A 00099404-B	Disc Assembly, Spinner, 20 CCW, MS (See page 139) Disc Assembly, Spinner, 20 CCW, SST
6	1	00099403-A 00099403-B	Disc Assembly, Spinner, 20 CW, MS (See page 140) Disc Assembly, Spinner, 20 CW, SST
7	2	05050054	Hub, Spinner Assembly, Extended Shaft w/ Set Screw
8	2	05010630	Bolt, $\frac{5}{16}$ -18 x $3\frac{1}{2}$, G8, HHCS, Zinc
9	1	00053253-A 00053253-B	Support, Rubber Flap, MS Support, Rubber Flap, SST
10	1	05050056	Wiper, $\frac{3}{16}$ x 5 x 17
11	2	00035112	Mounting Bracket, Tip-Up Spinner
12	2	00022880	Latch Rod Assembly
13	2	05022035	Pin, #11, Hair, Zinc
14	7	05010644 05016049	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{4}$, HHCS, SST
15	7	05020898 05020891	Nut, $\frac{3}{16}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
16	4	05021307 05021390	Washer, $\frac{3}{16}$, Flat, Zinc Washer, $\frac{3}{16}$, Flat, SST
17	2	05021306 05021404	Washer, $\frac{3}{16}$, Flat, Zinc Washer, $\frac{3}{16}$, Flat, SST
18	10	05021364 05021407	Washer, $\frac{3}{16}$, Lock, Zinc Washer, $\frac{3}{16}$, Lock, SST
19	8	05010619 05016139	Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, HHCS, SST
20	8	05020265 05020855	Nut, $\frac{5}{16}$ -18, G8, Hex, Zinc Nut, $\frac{5}{16}$ -18, G8, Hex, SST

00017037 SPINNER ASSEMBLY, 1/2 Y-CENTER LINE



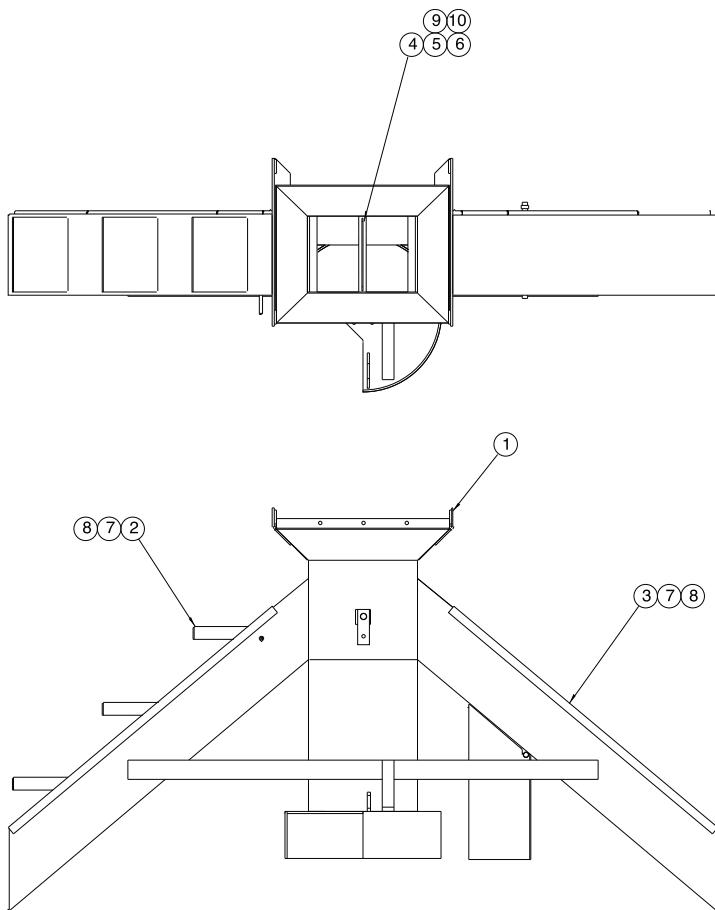
00017037 SPINNER ASSEMBLY, 1/2 Y-CENTER LINE

Item	Qty	Part Number	Description
1	1	00083702-A 00083702-B 00083702-C	CHUTE ASSEMBLY, SPINNER, 1/2 Y-CENTER LINE, MS (See page 110) CHUTE ASSEMBLY, SPINNER, 1/2 Y-CENTER LINE, SST CHUTE ASSEMBLY, SPINNER, 1/2 Y-CENTER LINE, AUSST
2	1	05006673	MOTOR, HYDRAULIC, WHITE, 3.2 CID, 1" SHAFT (See page 152-153)
3	1	00099404-A 00099404-B 00099404-E 05050794	DISC ASSEMBLY, SPINNER, 20 CCW, MS DISC ASSEMBLY, SPINNER, 20 CCW, 304 DISC ASSEMBLY, SPINNER, 20 CCW, AUSST DISC, SPINNER, 20" CCW, RED, POLY
4	1	05050054	HUB, SPINNER ASSEMBLY, EXT SFT, W/ SET SCREW
5	1	00053253-A 00053253-B 00053253-F	SUPPORT RUBBER FLAP, MS SUPPORT RUBBER FLAP, 304 SUPPORT RUBBER FLAP, AUSST
6	1	05050056	WIPER, .313 X 5 X 17
7	2	00035112 00147632	HINGE PLATE, SPINNER, TIP-UP, MS HINGE PLATE, SPINNER, TIP-UP, AUSST
8	2	00022880	LATCH ROD ASSEMBLY
9	2	05022035	PIN, #11, HAIR, ZINC
10	7	05010644 05016049	BOLT, .375-16 X 1.25, G8, HHCS, ZINC BOLT, .375-16 X 1.25, HHCS, SST
11	4	05010642 05016050	BOLT, .375-16 X .875, G8, HHCS, ZINC BOLT, .375-16 X .875, HHCS, SST
12	1	05010630 05016150	BOLT, .313-18 X 4, G8, HHCS, ZINC BOLT, .313-18 X 4, HHCS, SST
13	4	05010619 05016139	BOLT, .313-18 X 1.25, G8, HHCS, ZINC BOLT, .313-18 X 1.25, HHCS, SST
14	7	05020898 05020891	NUT, .375-16, GC, TOP LOCK, C&W NUT, .375-16, NYLON LOCK, 316 SST
15	4	05020265 05020855	NUT, .313-18, G8, HEX, ZINC NUT, .313-18, HEX, 304
16	18	05021307 05021390	WASHER, .375, FLAT, ZINC WASHER, .375, FLAT, SST
17	4	05021365 05021392	WASHER, .375, LOCK, ZINC WASHER, .375, LOCK, SST
18	5	05021306 05021404	WASHER, .313, FLAT, ZINC WASHER, .313, FLAT, SST
19	5	05021364 05021407	WASHER, .313, LOCK, ZINC WASHER, .313, LOCK, SST



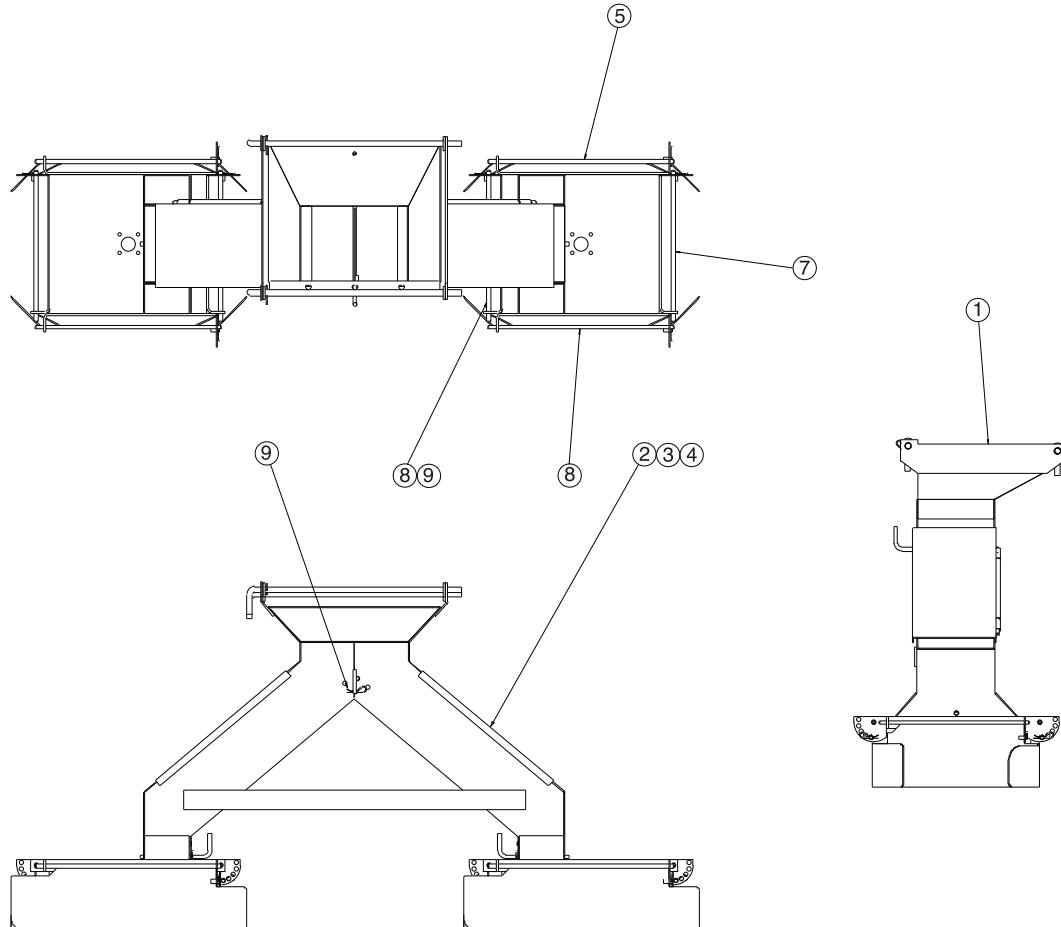
00016124 SPINNER ASSEMBLY, 1/2Y, TIP UP

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	00071202-A	CHUTE ASSY,1/2-Y SPNR,MV/MSV
1	1	00071202-B	CHUTE ASSY,1/2-Y SPNR,MV/MSV
1	1	00071202-C	CHUTE ASSY,1/2-Y SPNR,MV/MSV
2	1	05006673	MOTOR,HYD,WHITE,3.2CI,4B,1"EXT
3	4	05010642	BOLT .375-16 x .875 G8 HHCS ZC
3	4	05016050	BOLT .375-16 x .875 HHCS SST
4	4	05021365	WASHER .375 LOCK ZC
4	4	05021392	WASHER .375 LOCK SST
5	1	00099404-A	DISC ASSY,SPNR,20,CCW,.188,MS
5	1	00099404-B	DISC ASSY,SPNR,20,CCW,7GA,304
5	1	00099404-E	DISC ASSY,SPNR,20,CCW,7GA,AUST
5	1	05050794	DISC,SPINNER,20 CCW,POLY,RED
6	1	05050054	HUB,SPINNER ASSY,EXT SFT,W/
7	1	05010630	BOLT .313-18 x 4.00 G8 HHCS ZC
7	1	05016150	BOLT .313-18 x 4.00 HHCS SST
8	2	00035112	HINGE PL,SPINNER,MV/MSV,TIP-UP
8	2	00147632	HINGE PL,SPINNER,MV/MSV,TIP-UP, SST
9	2	00022880	LATCH ROD ASSEMBLY
10	2	05022035	PIN #11 HAIR ZC
11	7	05010644	BOLT .375-16 x 1.25 G8 HHCS ZC
11	7	05016049	BOLT .375-16 x 1.25 HHCS SST
12	7	05020898	NUT .375-16 GC TOPLOCK C&W
12	7	05020891	NUT .375-16 NYLON LOCK 316 SST
13	18	05021307	WASHER .375 FLAT ZC
13	18	05021390	WASHER .375 FLAT SST
14	1	00053253-A	SUPPORT,WIPER,SPINNER,MV/MSV
14	1	00053253-B	SUPPORT,WIPER,SPINNER,MV/MSV
14	1	00053253-F	SUPPORT,WIPER,SPINNER,MV/MSV
15	1	05050055	WIPER,2PLY RUBBER,17x.313x7
16	5	05021306	WASHER .313 FLAT ZC
16	5	05021404	WASHER .313 FLAT SST
17	5	05021364	WASHER .313 LOCK ZC
17	5	05021407	WASHER .313 LOCK SST
18	4	05010619	BOLT .313-18 x 1.25 G8 HHCS ZC
18	4	05016139	BOLT .313-18 x 1.25 HHCS SST
18	4	05010620	BOLT .313-18 x 1.50 G8 HHCS ZC
18	4	05016140	BOLT .313-18 x 1.50 HHCS SST
19	4	05020265	NUT .313-18 G8 HEX ZC
19	4	05020855	NUT .313-18 HEX SST
20	2	05035056	SPRING,EXT,1"OD,6"OAL



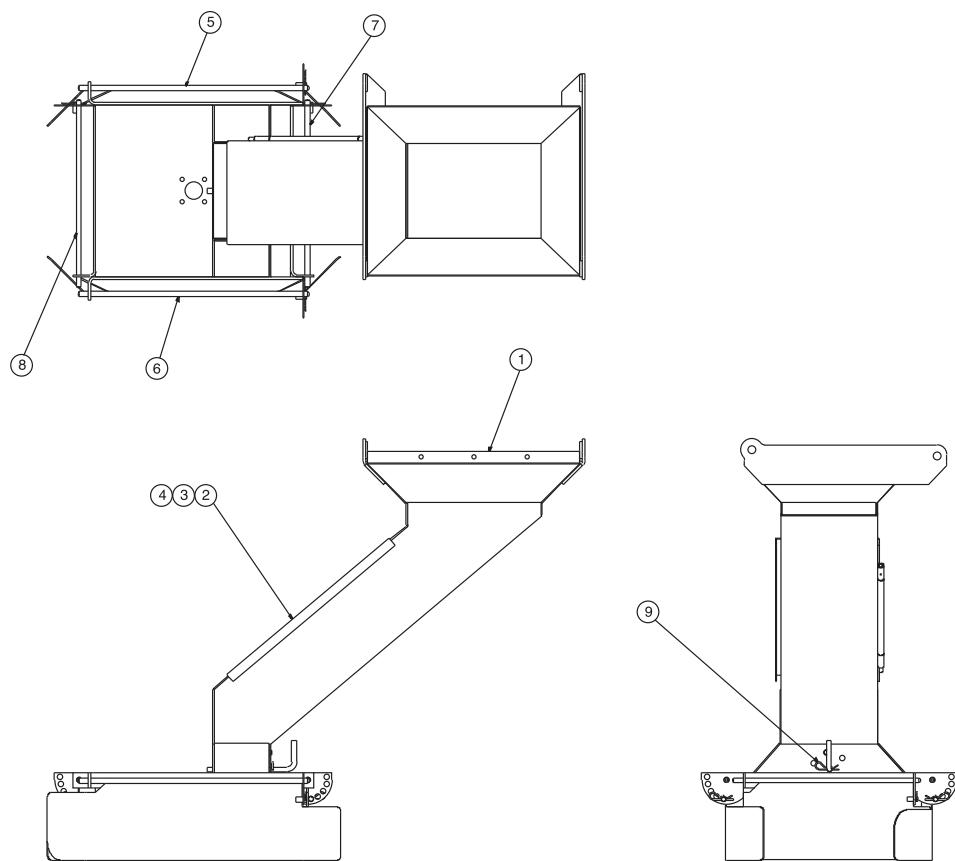
00071787 CHUTE ASSEMBLY, Y-SPINNER

Item	Qty	Part Number	Description
1	1	00071786-A 00071786-B	Chute Weldment, MS Chute Weldment, SST
2	1	00024176-A 00024176-B	Chute Cover Weldment, LH, MS Chute Cover Weldment, LH, SST
3	1	00024175-A 00024175-B	Chute Cover Weldment, RH, MS Chute Cover Weldment, RH, SST
4	1	00024166-A 00024166-B	Deflector Shaft Weldment, Rear, MS Deflector Shaft Weldment, Rear, SST
5	1	00024161-A 00024161-B	Spinner Deflector Weldment, MS Spinner Deflector Weldment, SST
6	1	00024165-A 00024165-B	Deflector Shaft Weldment, Front, MS Deflector Shaft Weldment, Front, SST
7	6	05022055 05022069	Pin, $\frac{1}{2} \times 2\frac{1}{2}$, Clevis, Zinc Pin, $\frac{1}{2} \times 2\frac{1}{2}$, Clevis, SST
8	6	05022072	Pin, $.156 \times \frac{1}{8}$, Roll, Zinc
9	2	05010595 05016038	Bolt, $\frac{1}{4}-20 \times 1\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{1}{4}-20 \times 1\frac{1}{2}$, HHCS, SST
10	2	05020899 05020906	Nut, $\frac{1}{4}-20$, Top Lock, Zinc Nut, $\frac{1}{4}-20$, Nylon Lock, SST
11	1	00091758	Canister Kit, Manual Storage



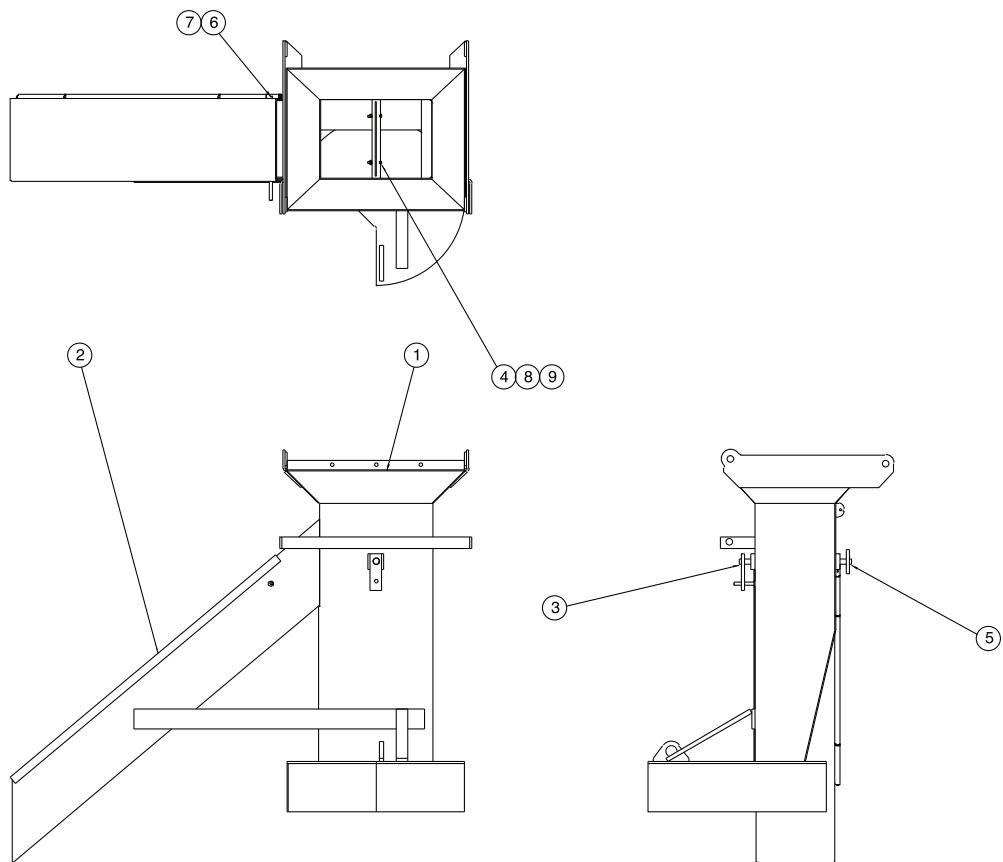
00058878 Y-CHUTE ASSEMBLY, DUAL SPINNER

Item	Qty	Part Number	Description
1	1	00058876-A 00058876-B	Y-Chute Assembly Weldment, Dual Spinner, MS Y-Chute Assembly Weldment, Dual Spinner, SST
2	2	00058874-A 00058874-B	Lid Weldment, Side Chute, MS Lid Weldment, Side Chute, SST
3	4	05022055 05022069	Pin, $\frac{1}{2} \times 2\frac{1}{2}$, Clevis, Zinc Pin, $\frac{1}{2} \times 2\frac{1}{2}$, Clevis, SST
4	4	05022072	Pin, .156 x $\frac{1}{8}$ Roll, Zinc, Carbon Spring Steel
6	2	00023730-A 00023730-B	Deflector Weldment, Front, MS Deflector Weldment, Front, SST
7	2	00023731-A 00023731-B	Deflector Weldment, Rear, MS Deflector Weldment, Rear, SST
8	2	00023732-A 00023732-B	Deflector Weldment, Side, RH, MS Deflector Weldment, Side, RH, SST
9	2	00023733-A 00023733-B	Deflector Weldment, Side, LH, MS Deflector Weldment, Side, LH, SST
10	11	05022035	Pin, #11, Hair, Zinc
11	1	00091758	Canister Kit, Manual Storage



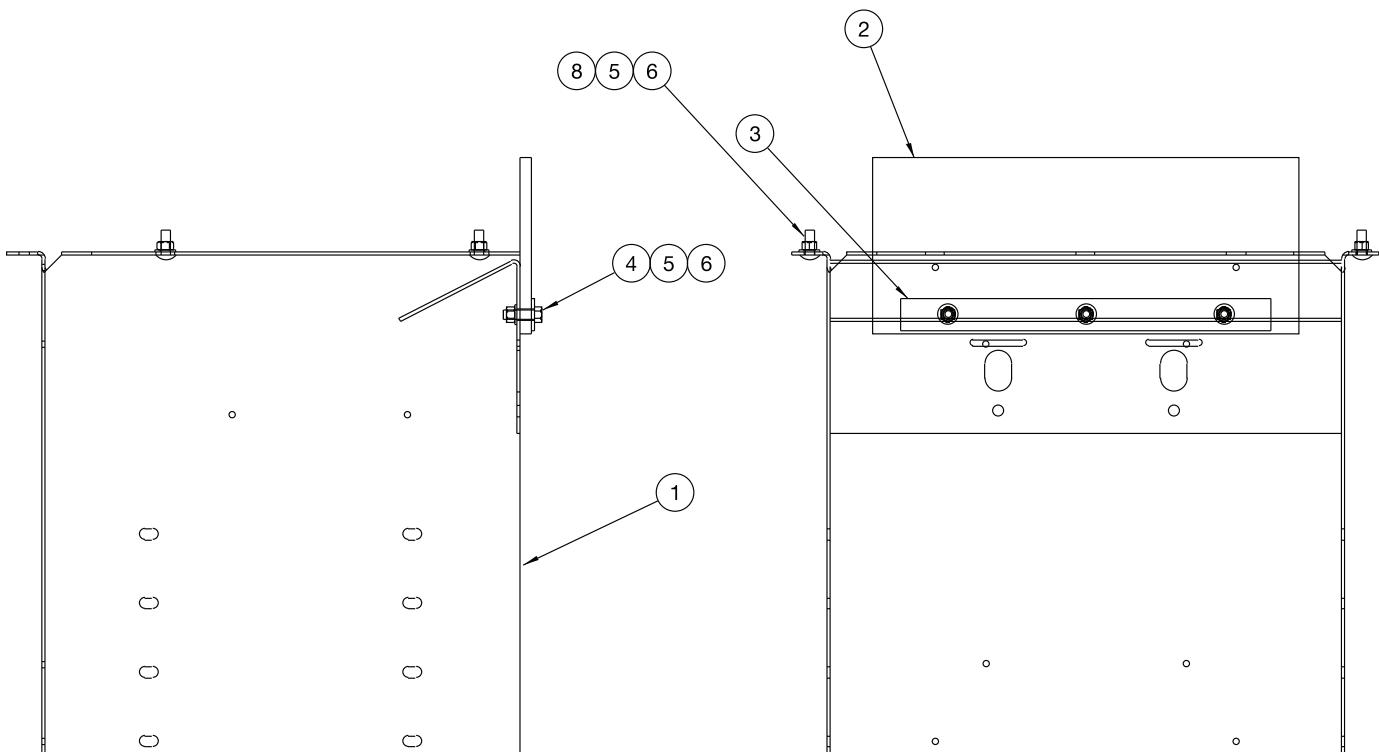
00083702 CHUTE ASSEMBLY, SPINNER, 1/2 Y CENTER LINE

Item	Qty	Part Number	Description
1	1	00083701-A 00083701-B	Chute Weldment, Spinner, 1/2 Y-Center Line, MS Chute Weldment, Spinner, 1/2 Y-Center Line, SST
2	1	00058874-A 00058874-B	Lid Weldment, Side Chute, Y-Spinner, MS Lid Weldment, Side Chute, Y-Spinner, SST
3	2	05022055 05022069	Pin, $\frac{1}{2} \times 2\frac{1}{2}$, Clevis, Zinc Pin, $\frac{1}{2} \times 2\frac{1}{2}$, Clevis, SST
4	2	05022072	Pin, $.156 \times \frac{1}{8}$, Roll, Zinc
5	1	00023730-A 00023730-B	Deflector Weldment, Front, MS Deflector Weldment, Front, SST
6	1	00023731-A 00023731-B	Deflector Weldment, Rear, MS Deflector Weldment, Rear, SST
7	1	00023732-A 00023732-B	Deflector Weldment, Side, RH, MS Deflector Weldment, Side, RH, SST
8	1	00023733-A 00023733-B	Deflector Weldment, Side, LH, MS Deflector Weldment, Side, LH, SST
9	5	05022035	Pin, #11, Hair, Zinc
10	1	00091758	Canister Kit, Manual Storage



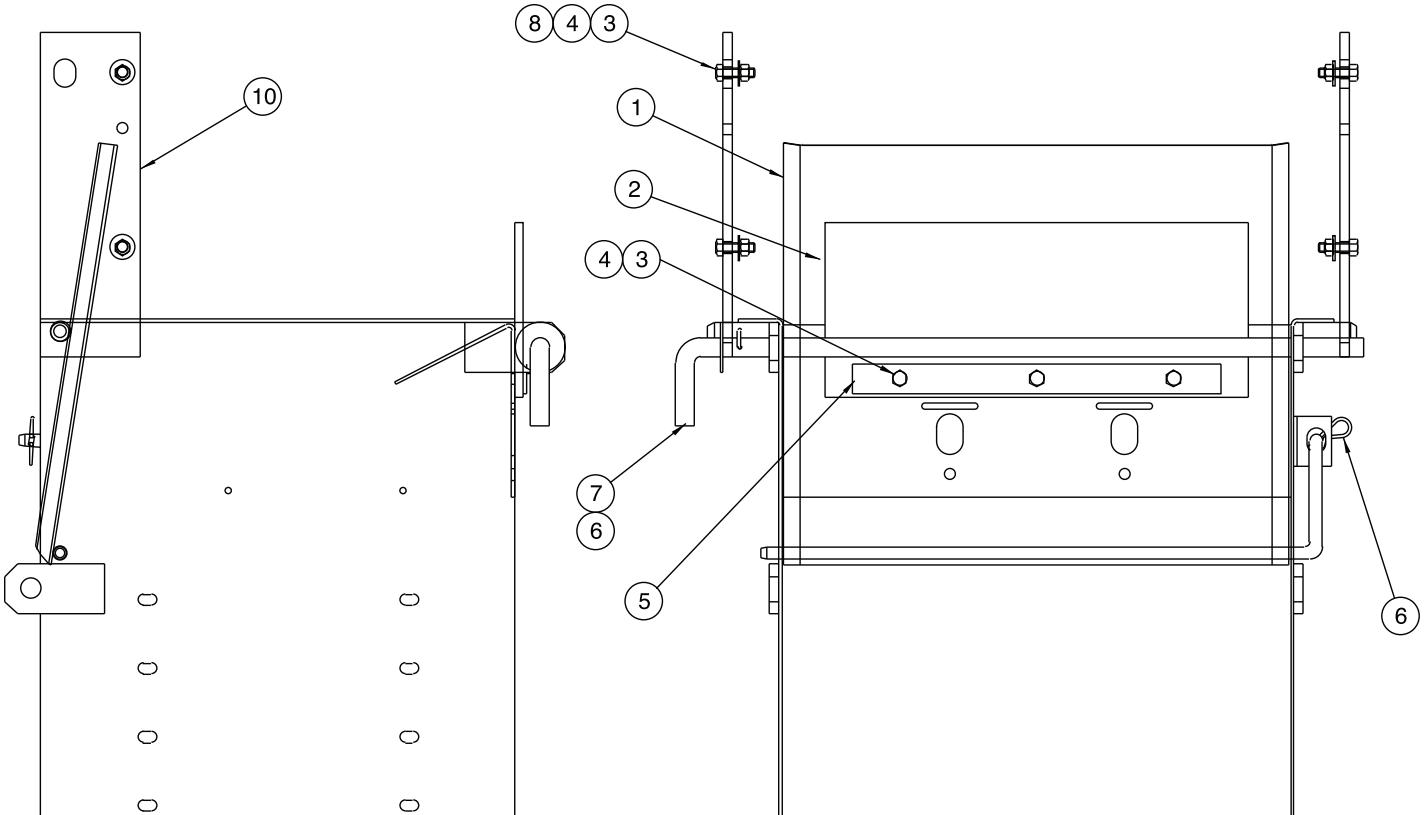
00071202 CHUTE ASSEMBLY, 1/2 Y-SPINNER, TIP-UP

Item	Qty	Part Number	Description
1	1	00071203-A 00071203-B	Chute Weldment, MS Chute Weldment, SST
2	1	00071204-A 00071204-B	Lid Weldment, MS Lid Weldment, SST
3	1	00024166-A 00024166-B	Deflector Shaft Weldment, Rear, MS Deflector Shaft Weldment, Rear, SST
4	1	00024161-A 00024161-B	Spinner Deflector Weldment, MS Spinner Deflector Weldment, SST
5	1	00024165-A 00024165-B	Deflector Shaft Weldment, Front, MS Deflector Shaft Weldment, Front, SST
6	3	05022055 05022069	Pin, $\frac{1}{8}$ x $2\frac{1}{2}$, Clevis, Zinc Pin, $\frac{1}{8}$ x $2\frac{1}{2}$, Clevis, SST
7	3	05022072	Pin, .156 x $\frac{1}{8}$, Roll, Zinc
8	2	05010595 05010595	Bolt, $\frac{1}{4}$ -20 x $1\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{1}{4}$ -20 x $1\frac{1}{2}$, HHCS, SST
9	2	05020899 05020899	Nut, $\frac{1}{4}$ -20, Top Lock, Zinc Nut, $\frac{1}{4}$ -20, Nylon Lock, SST
10	1	00091758	Canister Kit, Manual Storage



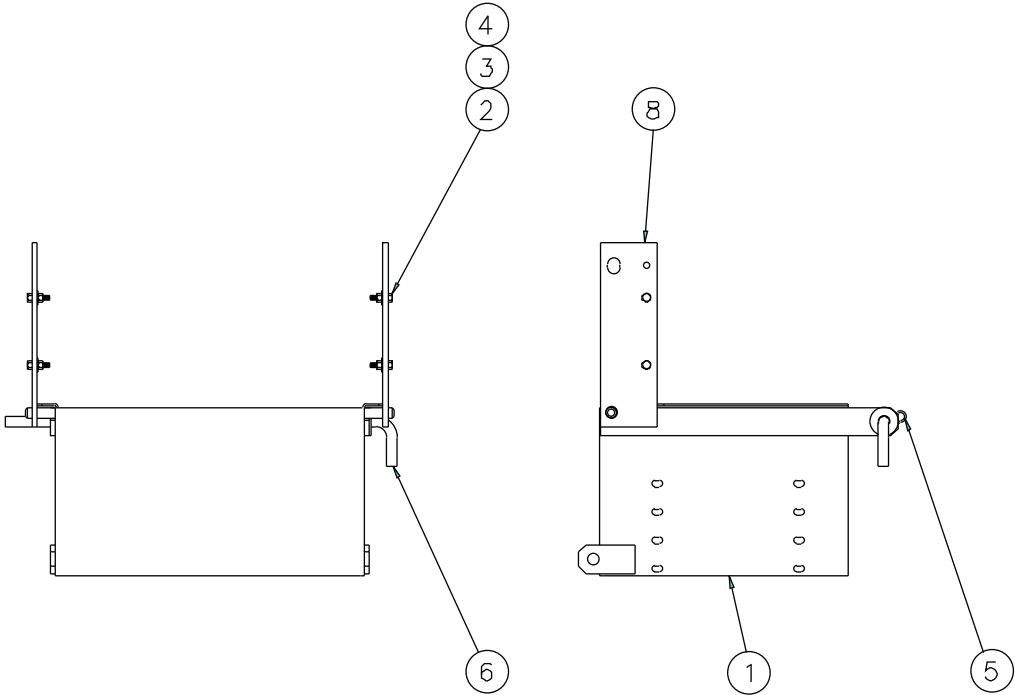
00028044 CHUTE ASSEMBLY, BOLT-ON

Item	Qty	Part Number	Description
1	1	00028043-A 00028043-B 00028043-C 00028043-D 00028043-E	Chute Weldment, Bolt On, 10 Gauge, MS Chute Weldment, Bolt On, 10 Gauge, SST Chute Weldment, Bolt On, 10 Gauge, Corten Chute Weldment, Bolt On, 12 Gauge, MS Chute Weldment, Bolt On, 12 Gauge, SST
2	1	05050055	Wiper, Rear
3	1	00053253-A 00053253-B 00053253-D	Wiper Bracket, MS Wiper Bracket, SST Wiper Bracket, Corten
4	3	05010644 05016049	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, HHCS, SST
5	7	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
6	7	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
7	3	05051402	Decal - Danger: Turning Spinners
8	4	05013986 05016003	Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, Zinc Bolt, $\frac{3}{8}$ -16 x 1, Carriage, SST
9	1	00091758	Canister Kit, Manual Storage



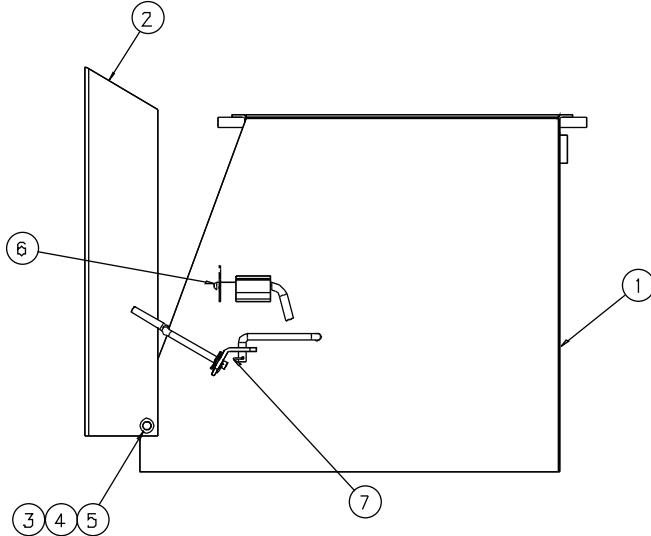
00028053 CHUTE ASSEMBLY, TIP-UP

Item	Qty	Part Number	Description
1	1	00028057-A 00028057-B 00028057-C 00028057-D 00028057-E	Chute Weldment, 10 Gauge, MS Chute Weldment, 10 Gauge, SST Chute Weldment, 12 Gauge, MS Chute Weldment, 12 Gauge, SST Chute Weldment, Corten
2	1	05050055	Wiper, Rear
3	7	05010644 05010649	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, HHCS, SST
4	7	05020898 05020891	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{8}$ -16, GC, Nylon Lock, SST
5	1	00053253-A 00053253-B 00053253-D	Wiper Bracket, MS Wiper Bracket, SST Wiper Bracket, Corten
6	2	05022035	Pin, $\frac{1}{8}$, Hair
7	1	00022880	Latch Rod Assembly
8	4	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
9	3	05051402	Decal - Danger: Turning Spinners
10	2	00035112	Bracket, Mounting
11	1	00091758	Canister Kit, Manual Storage



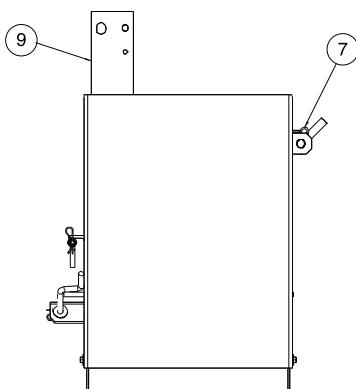
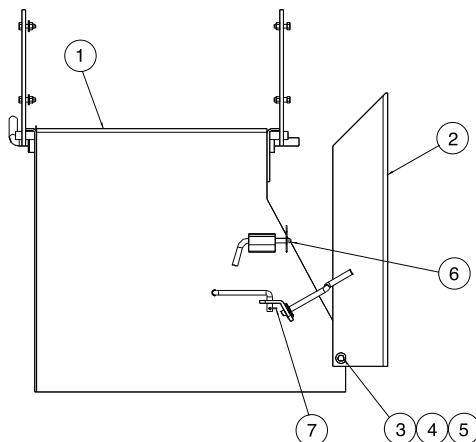
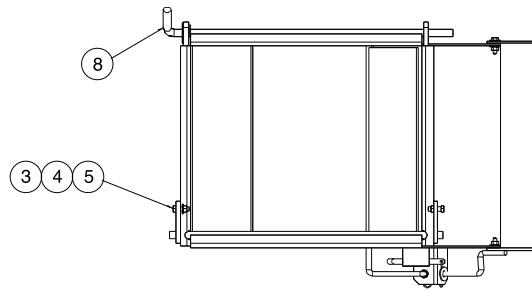
00063484 CHUTE ASSEMBLY, TWIN SPINNER

Item	Qty	Part Number	Description
1	1	00059892-A 00059892-B	Chute Weldment, Twin Spinner, MS Chute Weldment, Twin Spinner, SST
2	4	05010644 05016049	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G8, HHCS, MS Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, HHCS, SST
3	4	05020898 05020891	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	4	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
5	1	05022035	Pin, #11, Hair, Zinc
6	1	00022880	Latch Rod Assembly, MS
7	3	05051402	Decal-Danger: Turning Spinner
8	2	00035112	Bracket, Mounting Tip-Up Spinner



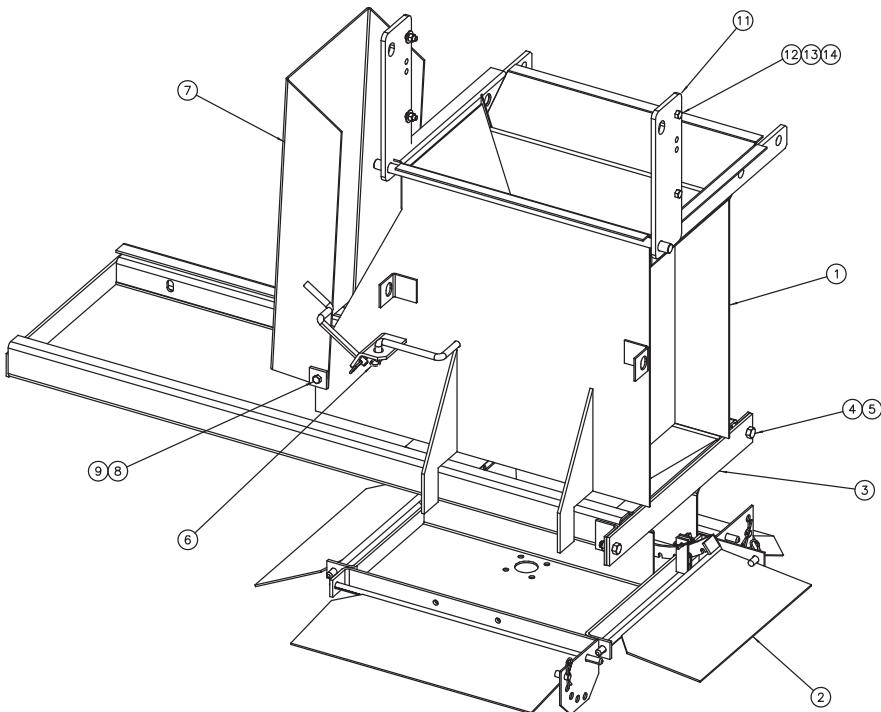
00050789 CHUTE ASSEMBLY, CENTER LINE SPINNER

Item	Qty	Part Number	Description
1	1	00050256-A 00050256-B	Chute Weldment, 10 Gauge, MS Chute Weldment, 10 Gauge, SST
2	1	00050267-A 00050267-B	Chute Weldment, MS Chute Weldment, SST
3	2	05010644 05016049	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, HHCS, SST
4	4	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
5	2	05020898 05020891	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
6	4	05022136	Pin, $\frac{1}{2}$ x 4 $\frac{1}{2}$, 4" Grip Bent Zinc
7	2	05022035	Pin, #11, Hair
8	1	00091758	Canister Kit, Manual Storage



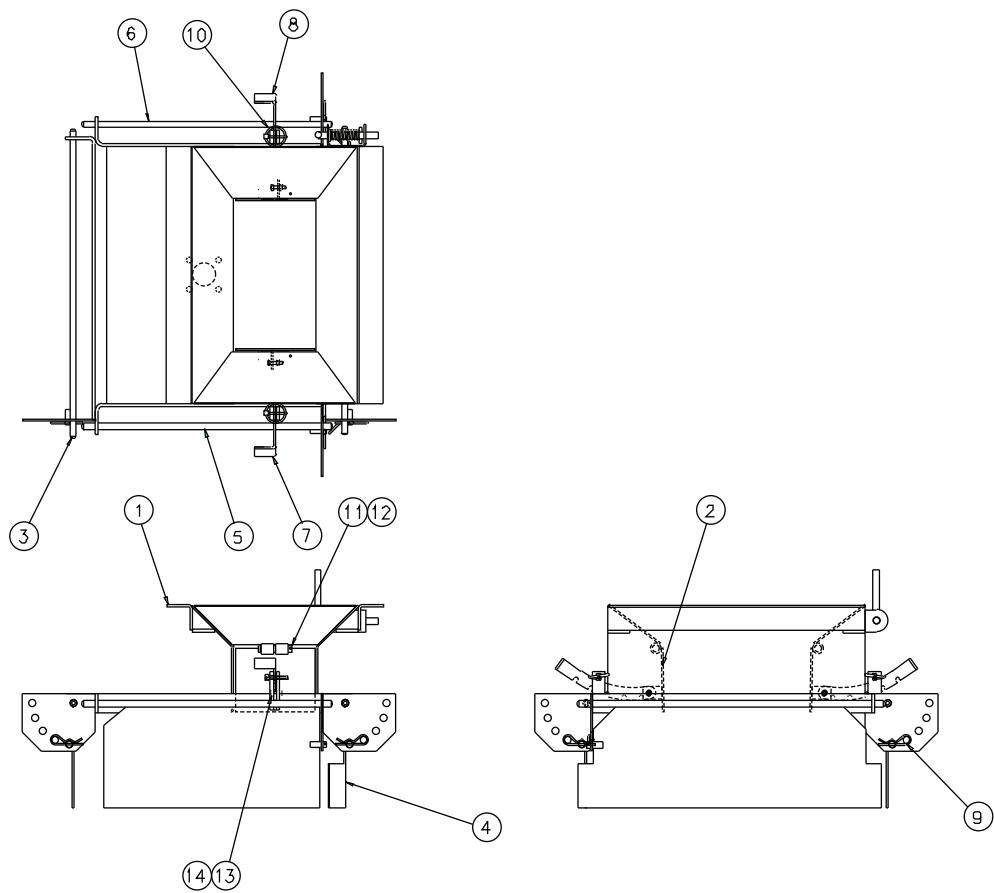
00077600 CHUTE ASSEMBLY, TIP UP WITH RH DISCHARGE

Item	Qty	Part Number	Description
1	1	00077601-A 00077601-B	Chute Weldment, RH Discharge, MS Chute Weldment, RH Discharge, SST
2	1	00077612-A 00077612-B	Side Chute Weldment, RH, MS Side Chute Weldment, RH, SST
3	6	05010644 05016049	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, HHCS, SST
4	8	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
5	6	05020898 05020891	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
6	1	05022136	Pin, $\frac{1}{2}$ x 4 $\frac{1}{2}$, 4" Grip Bent Zinc
7	2	05022035	Pin, #11, Hair, Zinc
8	1	00022880	Latch Rod Assembly
9	2	00035112	Bracket, Mounting, TipUp
10	1	00091758	Canister Kit, Manual, Storage



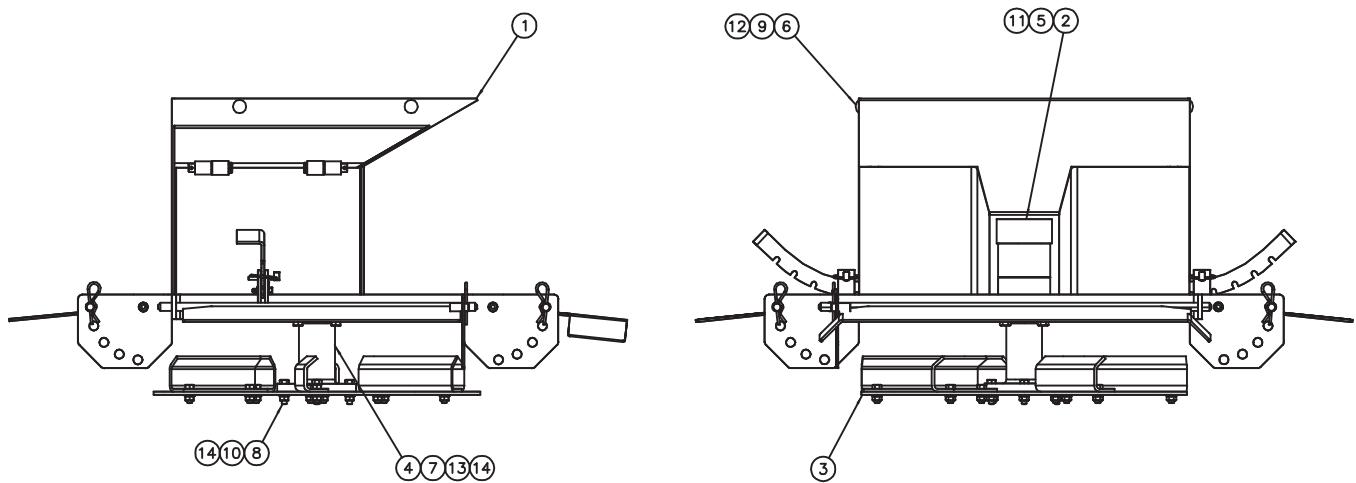
00050741 SPINNER ASSEMBLY, UPPER/LOWER, CADILLAC SPINNER

Item	Qty	Part Number	Description
1	1	01162101-A 01162101-B	Hopper Weldment, MS Hopper Weldment, SST
2	1	00050740-A 00050740-B	Spinner Assembly, Lower, MS (See page 118-119) Spinner Assembly, Lower, SST
3	1	01162109-A 01162109-B	Stop Bar, Spinner, MS Stop Bar, Spinner, SST
4	2	05010690 05016045	Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{1}{2}$ -13 x $1\frac{1}{4}$, HHCS, SST
5	2	05020847 05020908	Nut, $\frac{1}{2}$ -13, GC, Top Lock, C&W Nut, $\frac{1}{2}$ -13, Nylon Lock, SST
6	2	05022035	Pin, #11, Hair, Zinc
7	1	00050783-A 00050783-B	Trough Weldment, Side Chute, MS Trough Weldment, Side Chute, SST
8	2	05010645 05016162	Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{2}$, GR, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x $1\frac{1}{2}$, HHCS, SST
9	2	05020898 05020981	Nut, $\frac{3}{16}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{16}$ -16, Nylon Lock, SST
10	1	00091758	Canister Kit, Manual Storage
11	2	00035112 00147632	Hinge Plate, Spinner, Tip-Up Hinge Plate, Spinner, Tip-Up
12	4	05010644 05016049	Bolt, .375-16 x 1.25, G8, HHCS, Zinc Bolt, .375-16 x 1.25, HHCS, SST
13	4	05021307 05021390	Washer, .375, Flat, Zinc Washer, .375, Flat, SST



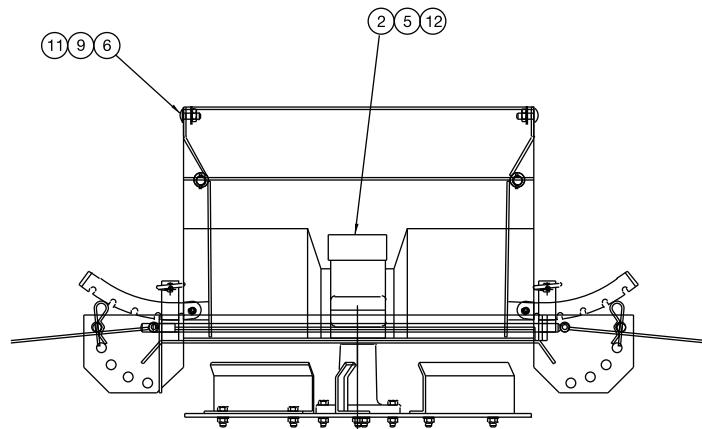
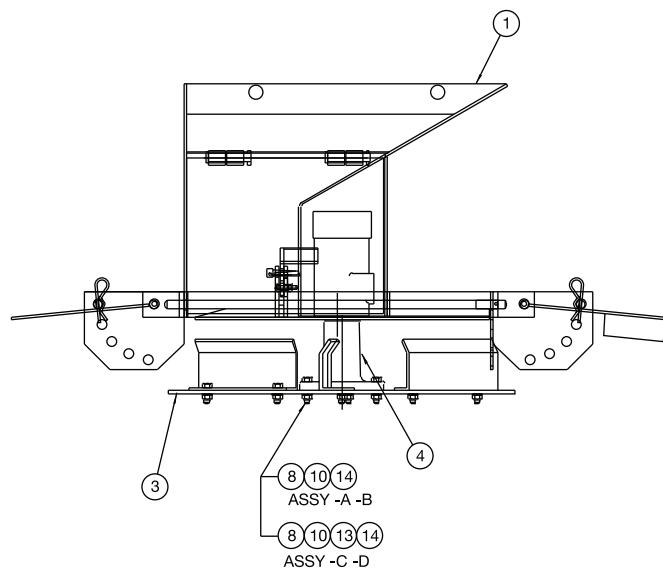
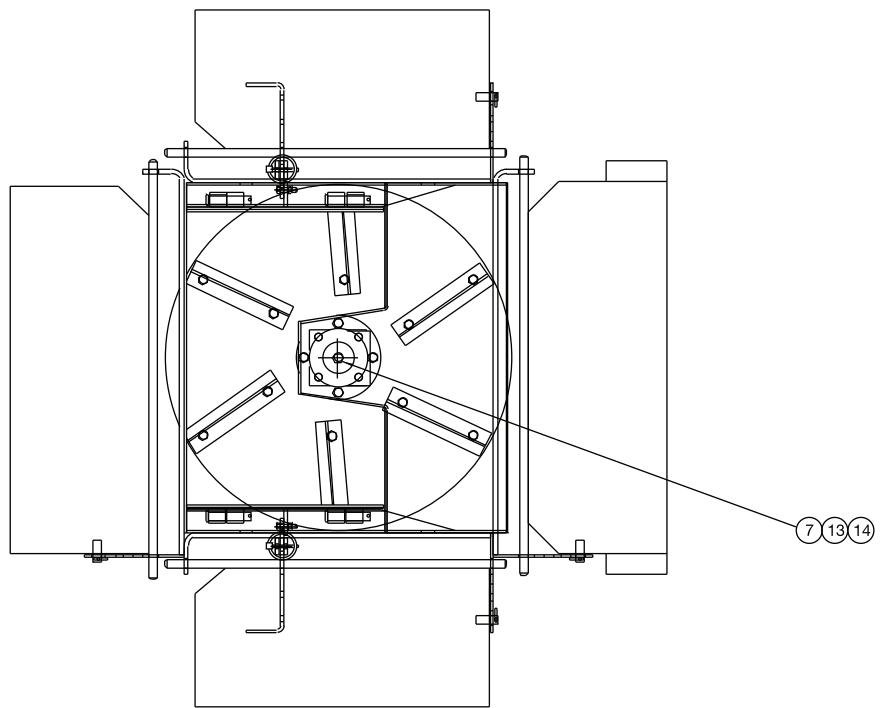
00050740 SPINNER ASSEMBLY, LOWER

Item	Qty	Part Number	Description
1	1	01162130-A 01162130-B	Chute Weldment, Lower, MS Chute Weldment, Lower, SST
2	2	00050743-A 00050743-B	Diverter Weldment, MS Diverter Weldment, SST
3	1	00062116-A 00062116-B	Deflector Weldment, Side, Rear, 10 Gauge, MS Deflector Weldment, Side, Rear, 10 Gauge, SST
4	1	00062127-A 00062127-B	Deflector Weldment, Side, Front, 10 Gauge, MS Deflector Weldment, Side, Front, 10 Gauge, SST
5	1	00062104-A 00062104-B	Deflector Weldment, Side, RH, 10 Gauge, MS Deflector Weldment, Side, RH, 10 Gauge, SST
6	1	00062101-A 00062101-B	Deflector Weldment, Side, LH, 10 Gauge, MS Deflector Weldment, Side, LH, 10 Gauge, SST
7	1	00028011-A 00028011-B	Gate Adjusting Bar, RH, MS Gate Adjusting Bar, RH, SST
8	1	00028012-A 00028012-B	Gate Adjusting Bar, LH, MS Gate Adjusting Bar, LH, SST
9	4	05022035	Pin, #11, Hair, Zinc
10	2	05022106	Pin, .188 Lynch
11	2	05022055	Pin, $\frac{1}{2}$ x $2\frac{1}{2}$, Clevis, Zinc
12	2	05022072	Pin, .156 x $\frac{7}{8}$, Roll, Zinc
13	2	05010693 05016040	Bolt, $\frac{1}{4}$ -20 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{4}$ -20 x 1, HHCS, SST
14	2	05020899 05020906	Nut, $\frac{1}{4}$ -20, GC, Toplock, C&W Nut, $\frac{1}{4}$ -20, Nylon Lock, SST



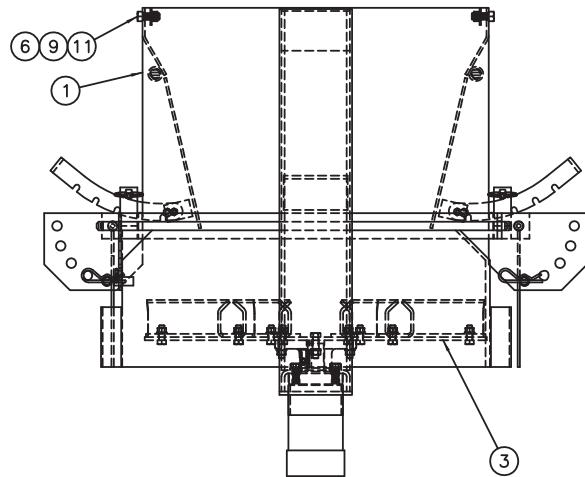
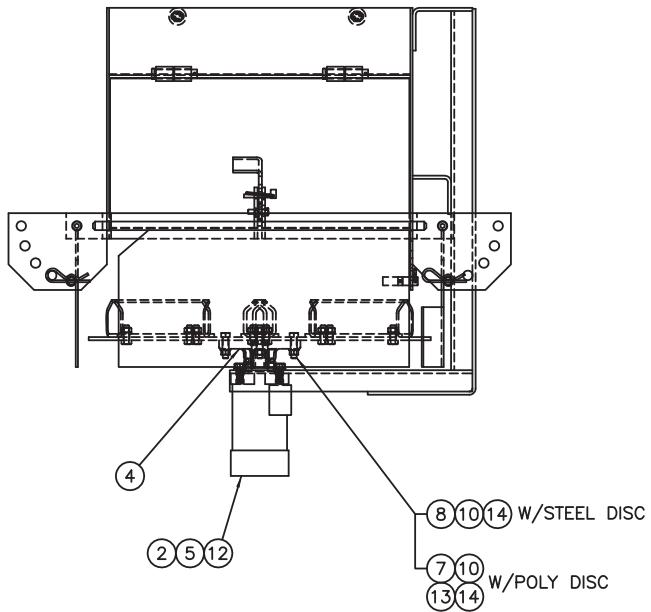
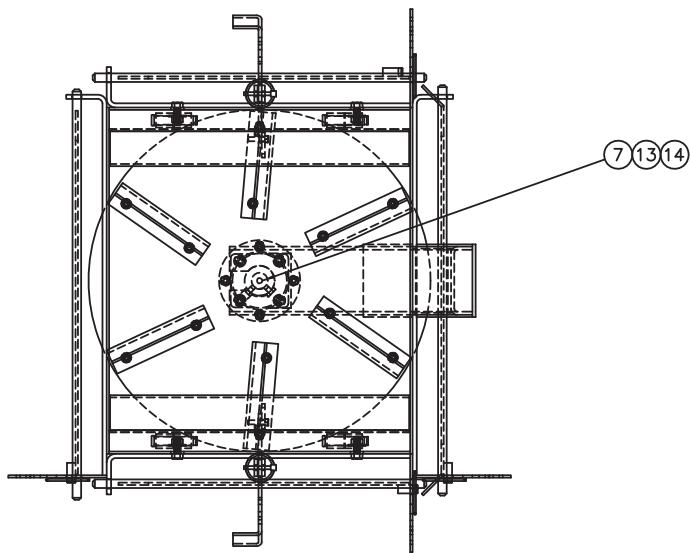
00028000 SPINNER ASSEMBLY, LOWER

Item	Qty	Part Number	Description
1	1	00028001-A 00028001-B 00028001-C 00028001-D 00028001-E	CHUTE ASSEMBLY, LOWER, 10 GAUGE, MS (SEE PAGE 130-131) CHUTE ASSEMBLY, LOWER, 10 GAUGE, SST CHUTE ASSEMBLY, LOWER, 10 GAUGE, CORTEN CHUTE ASSEMBLY, LOWER, 12 GAUGE, MS CHUTE ASSEMBLY, LOWER, 12 GAUGE, SST
2	1	05006673	MOTOR, HYDRAULIC, WHITE, 3.2 CID, 1" SHAFT (SEE PAGE 152-153)
3	4	00099404-A 00099404-B 00099404-C 00099401-A 00099401-B 05050794 05050071-B	SPINNER ASSEMBLY, 20", MS (SEE PAGE 139) SPINNER ASSEMBLY, 20", SST SPINNER ASSEMBLY, 20", AR SPINNER DISC ASSEMBLY, 18" MS, LONG HUB, CCW (SEE PAGE 142) SPINNER DISC ASSEMBLY, 18" SST, LONG HUB, CCW SPINNER DISC, 20" CCW, BLACK, POLY (SEE PAGE 141) SPINNER DISC, 18" POLY, CCW, FORMED FIN (SEE PAGE 141)
4	1	05050054	HUB SPINNER ASSEMBLY, EXT SFT, W/ SET SCREWS
5	4	05010642 05016050	BOLT, .375-16 X .875, G8, HHCS, ZINC BOLT, .375-16 X .875, HHCS, SST
6	4	05013986 05016003	BOLT, .375-16 X 1, G5, CARRIAGE, ZINC BOLT, .375-16 X 1, CARRIAGE, SST
7	1	05010630 05016150	BOLT, .313-18 X 4, G8, HHCS, ZINC BOLT, .313-18 X 4, HHCS, SST
8	4	05010619 05016139	BOLT, .313-18 X 1.25, G8, HHCS, ZINC BOLT, .313-18 X 1.25, HHCS, SST
9	4	05020898 05020891	NUT, .375-16, GC, TOP LOCK,C&W NUT, .375-16, NYLON LOCK, 316 SST
10	4	05020265 05020855	NUT, .313-18, G8, HEX, ZINC NUT, .313-18, HEX, SST
11	4	05021365 05021392	WASHER, .375, LOCK, ZINC WASHER, .375, LOCK, SST
12	4	05021307 05021390	WASHER, .375, FLAT, ZINC WASHER, .375, FLAT, SST
13	5	05021306 05021404	WASHER, .313, FLAT, ZINC WASHER, .313, FLAT, SST
14	5	05021364 05021407	WASHER, .313, LOCK, ZINC WASHER, .313, LOCK, SST



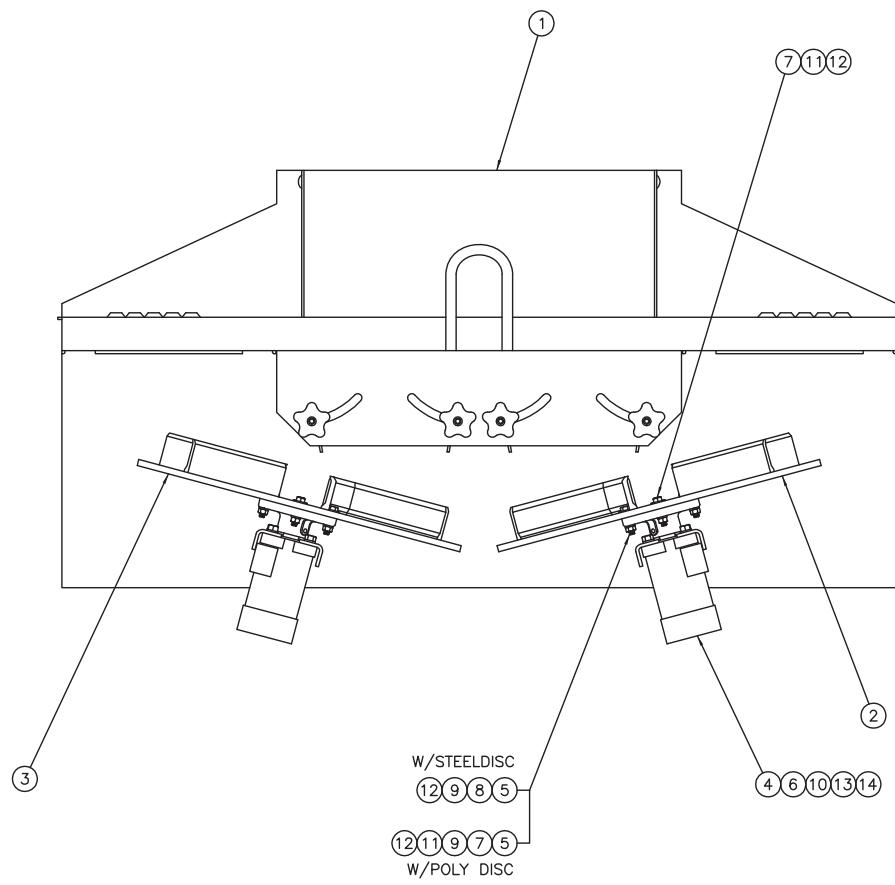
00069599 SPINNER ASSEMBLY, LOWER

Item	Qty	Part Number	Description
1	1	00028001-A 00028001-B	Chute Assembly, Lower, 10 Gauge, MS (See page 130-131) Chute Assembly, Lower, 10 Gauge, SST
2	1	05006557	Motor, Hydraulic, 3.2 CID, w/ Sensor White (See page 154-155)
3	1	00099404-A 00099404-B 05050794	Disc Assembly, 20" CCW, MS (See page 139) Disc Assembly, 20" CCW, SST Disc Spinner, 20 CCW, Poly with Molded Flights (See page 141)
4	1	05050054	Hub, Spinner Assembly
5	4	05010642 05016050	Bolt, $\frac{3}{8}$ -16 x $\frac{1}{8}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x $\frac{1}{8}$, HHCS, SST
6	4	05013986 05016003	Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, Zinc Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, SST
7	1	05010630 05010628	Bolt, $\frac{5}{16}$ -18 x 4, G8, HHCS, Zinc (for Poly Disc Only) Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{2}$, HHCS, SST
8	4	05010620 05016140 05010619	Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{2}$, G8, HHCS, Zinc (for Poly Disc Only) Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{2}$, HHCS, SST (for Poly Disc Only) Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, G8, HHCS, Zinc
9	4	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
10	4	05020265 05020855	Nut, $\frac{5}{16}$ -18, G8, Hex, Zinc Nut, $\frac{5}{16}$ -18, G8, Hex, SST
11	4	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
12	4	05021365 05021392	Washer, $\frac{3}{8}$, Lock, Zinc Washer, $\frac{3}{8}$, Lock, SST
13	1	05021306 05021404	Washer, $\frac{5}{16}$, Flat, Zinc Washer, $\frac{5}{16}$, Flat, SST
14	5	05021364 05021407	Washer, $\frac{5}{16}$, Lock, Zinc Washer, $\frac{5}{16}$, Lock, SST



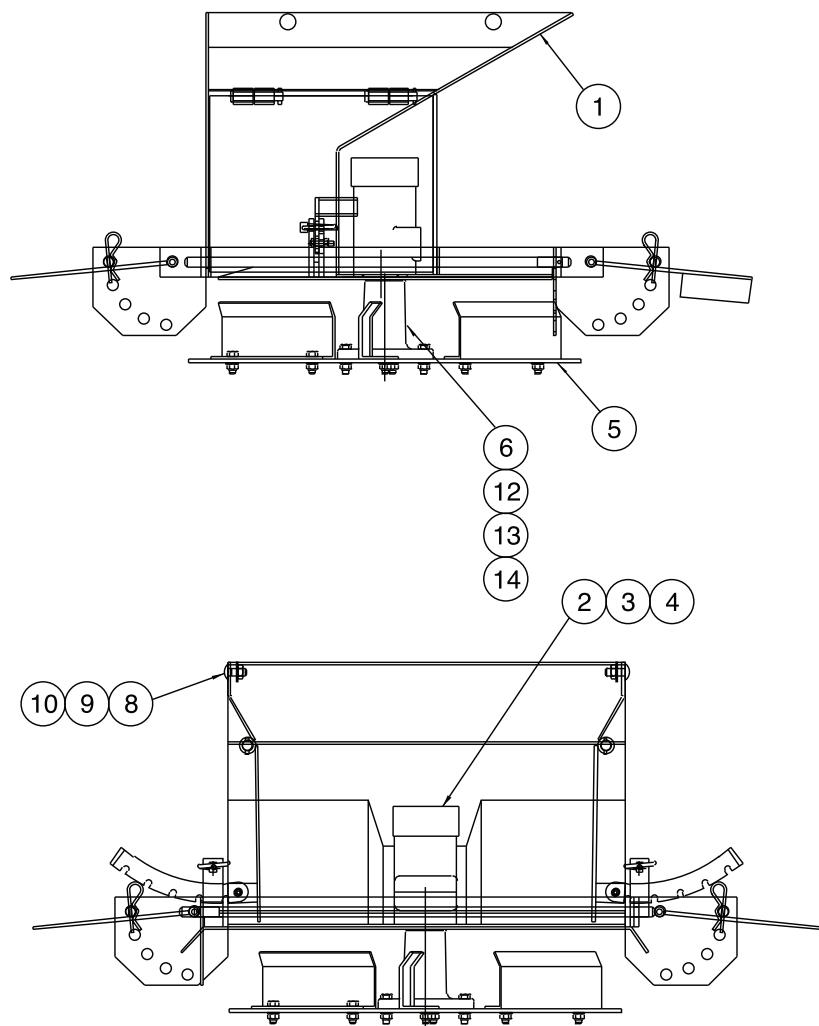
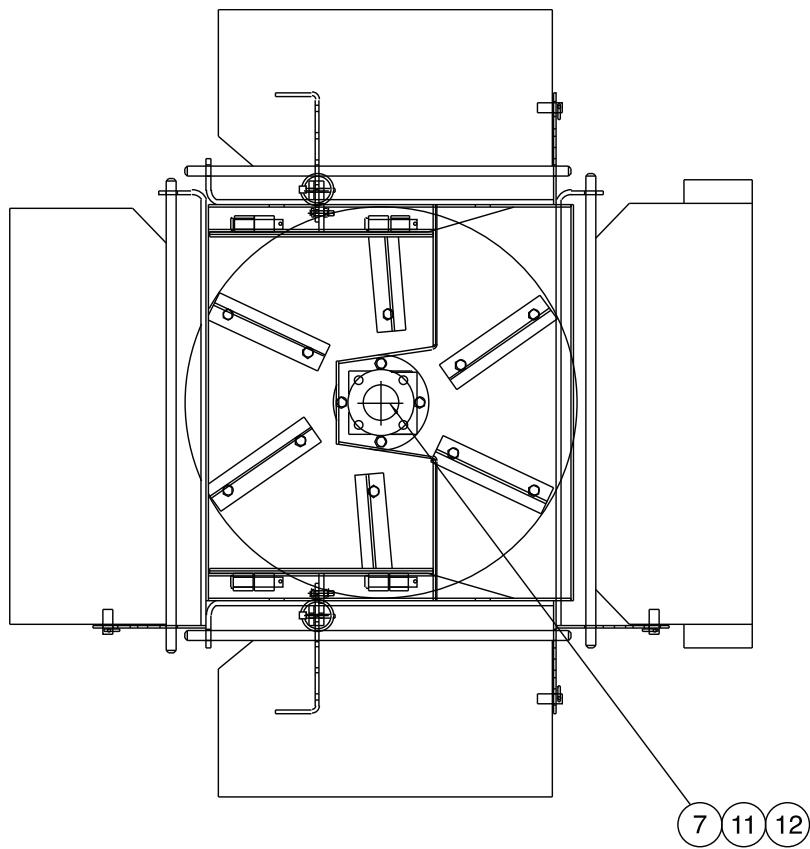
00071794 SPINNER ASSEMBLY, LOWER, BOTTOM, MOUNT MOTOR

Item	Qty	Part Number	Description
1	1	00044293-A 00044293-B	Chute Assembly, Lower, MS (See page 133) Chute Assembly, Lower, SST
2	1	05006673	Motor, Hydraulic, 3.2 CID, w/ Sensor (See page 152-153)
3	1	00099401-A	Disc Spinner, 18", CCW, MS (See page 142)
		00099401-B	Disc Spinner, 18", CCW, 304 SST
		00099404-A 00099404-B 05050794	Disc Assembly, 20" CCW, MS (See page 139) Disc Assembly, 20" CCW, SST Disc Spinner, 20 CCW, Poly with Molded Flights (See page 141)
4	1	05051380	Hub, Spinner Assembly
5	4	05010645	Bolt, $\frac{3}{8}$ -16 x 1.50 G8, HHCS, Zinc
		05016162	Bolt, $\frac{3}{8}$ -16 x 1.50 HHCS, SST
6	4	05013986	Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, Zinc
		05016003	Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, SST
7	1	05010618	Bolt, $\frac{5}{16}$ -18 x 1, G8, HHCS, Zinc (Use with Steel Disc)
		05010620	Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{2}$, G8, HHCS, Zinc (Use with Poly Disc)
8	4	05010619	Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{4}$, G8, HHCS, Zinc
		05016139	Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{4}$, HHCS, SST Not used with the 20" Poly Spinner Disc
9	4	05020898	Nut, $\frac{3}{8}$ -16, Top Lock, C&W
		05020891	Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
10	4	05020265	Nut, $\frac{5}{16}$ -18, G8, Hex, Zinc
		05020855	Nut, $\frac{5}{16}$ -18, G8, Hex, SST
11	4	05021307	Washer, $\frac{3}{8}$, Flat, Zinc
		05021390	Washer, $\frac{3}{8}$, Flat, SST
12	4	05021365	Washer, $\frac{3}{8}$, Lock, Zinc
		05021392	Washer, $\frac{3}{8}$, Lock, SST
13	1	05021306	Washer, $\frac{5}{16}$, Flat, Zinc (Use with Steel Disc)
		05021306	Washer, $\frac{5}{16}$, Flat, Zinc (Use with Poly Disc)
14	5	05021364	Washer, $\frac{5}{16}$, Lock, Zinc
15	1	00122073	Seal Saver, Motor, Spinner
16	1	05050288	Grease Zerk, .250-28 Straight



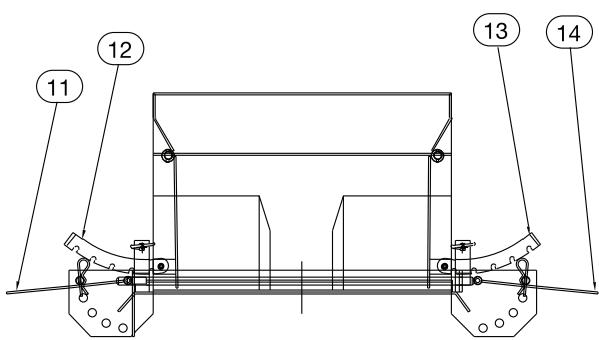
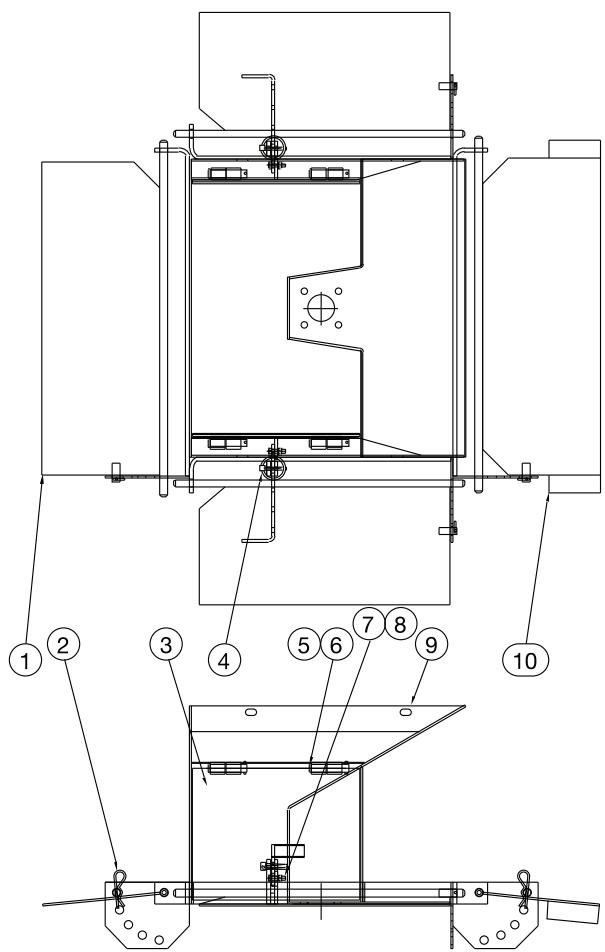
00063491 SPINNER ASSEMBLY, LOWER, TWIN

Item	Qty	Part Number	Description
1	1	00063485-A 00063485-B	Chute Assembly, Lower, Twin Spinner, MS (See page 134-135) Chute Assembly, Lower, Twin Spinner, SST
2	1	00099404-A 00099404-B 05050794	Disc Assembly, 20 CCW, MS (See page 139) Disc Assembly, 20 CCW, SST Disc, Spinner, 20 CCW, Poly w/ Molded Flights (See page 141)
3	1	00099403-A 00099403-B 05052401	Disc Assembly, 20 CW, MS (See page 140) Disc Assembly, 20 CW, SST Disc Assembly, 20, CW, Poly w/ Molded Flights
4	2	05006673	Motor, Hydraulic, White, 3.2 CID, 1" Shaft (See page 152-153)
5	2	05051380	Hub, Spinner Assembly
6	8	05010645 05016162	Bolt, $\frac{3}{16}$ -16 x 1.5 G8, HHCS, Zinc Bolt, $\frac{3}{16}$ -16 x 1.5 HHCS, SST
7	2 10	05010618 05010620	Bolt, $\frac{5}{16}$ -18 x 1, G8, HHCS, Zinc (Use with Steel Disc) Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{2}$, G8, HHCS, Zinc (Use with Poly Disc)
8	8	05010619 05016139	Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x 1 $\frac{1}{4}$, HHCS, SST
9	8	05020265 05020855	Nut, $\frac{5}{16}$ -18, GC, Hex, Zinc Nut, $\frac{5}{16}$ -18, GC, Hex, SST
10	8	05021365 05021392	Washer, $\frac{3}{16}$, Lock, Zinc Washer, $\frac{3}{16}$, Lock, SST
11	2 10	05021306 05021404	Washer, $\frac{5}{16}$, Flat, Zinc (Used with Steel Disc) Washer, $\frac{5}{16}$, Flat, Zinc (Used with Poly Disc)
12	10	05021364 05021407	Washer, $\frac{5}{16}$, Lock, Zinc Washer, $\frac{5}{16}$, Lock, SST
13	2	00122073	Seal Saver, Motor, Spinner
14	2	05050288	Grease Zerk, .250-28 Straight



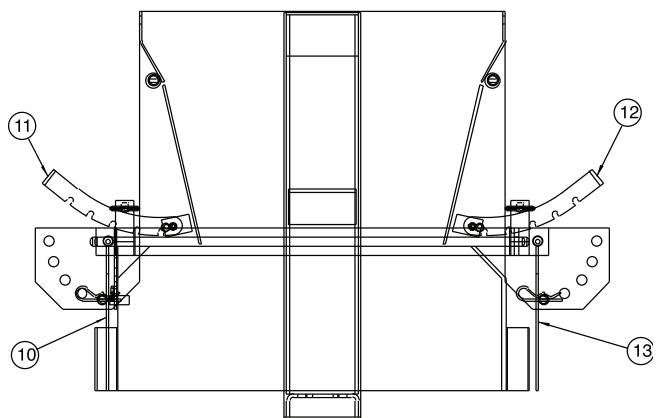
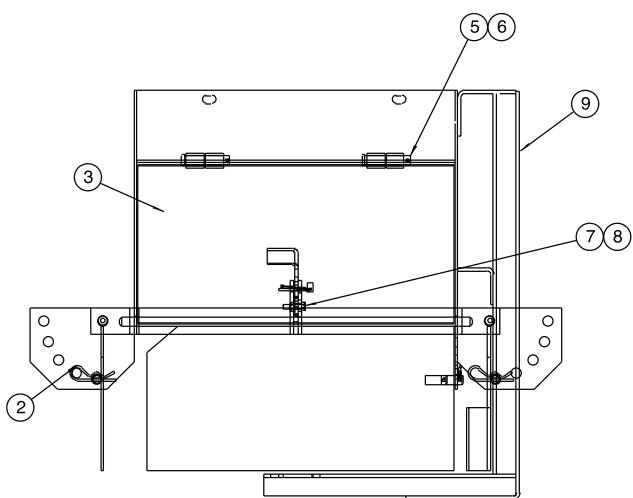
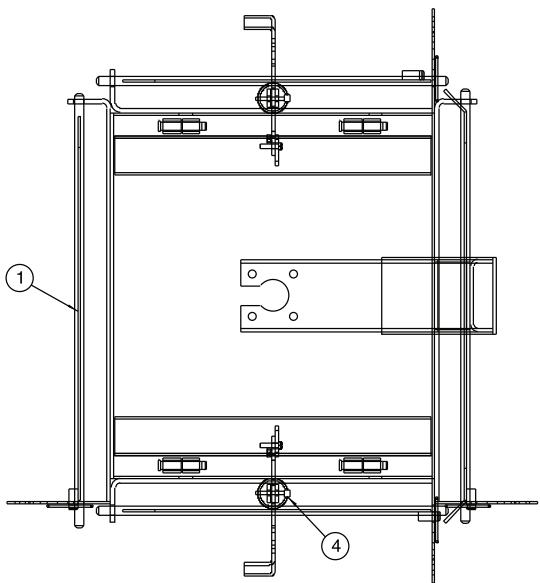
00076980 SPINNER ASSEMBLY, LOWER

Item	Qty	Part Number	Description
1	1	00077502-A 00077502-B	Chute Assembly, Lower, .188, MS (See page 136-137) Chute Assembly, Lower, .188, SST
2	1	05006673	Motor, Hydraulics, White, 3.2 CID, 1" Shaft (See page 152-153)
3	4	05010642 05016050	Bolt, $\frac{3}{8}$ -16 x $\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{3}{8}$ -16 x $\frac{1}{2}$, HHCS, SST
4	4	05021365 05021392	Washer, $\frac{3}{8}$, Lock, Zinc Washer, $\frac{3}{8}$, Lock, SST
5	1	00099404-A 00099404-B	Disc Assembly, Spinner, 20 CCW, MS (See page 139) Disc Assembly, Spinner, 20 CCW, SST
6	1	05050054	Hub, Spinner Assembly
7	1	05010630	Bolt, $\frac{5}{16}$ -18 x $3\frac{1}{2}$, G8, HHCS, Zinc
8	4	05013986 05016003	Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, Zinc Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, SST
9	4	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W, GRC Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
10	4	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
11	1	05021306 05021404	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
12	5	05021364 05021407	Washer, $\frac{3}{8}$, Lock, Zinc Washer, $\frac{3}{8}$, Lock, SST
13	4	05010619 05016139	Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x $1\frac{1}{4}$, HHCS, SST
14	4	05020265 05020855	Nut, $\frac{5}{16}$ -18, G8, Hex, Zinc Nut, $\frac{5}{16}$ -18, G8, Hex, SST



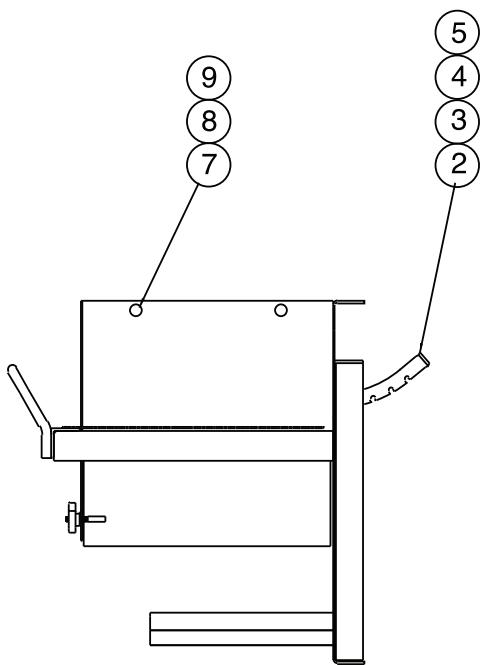
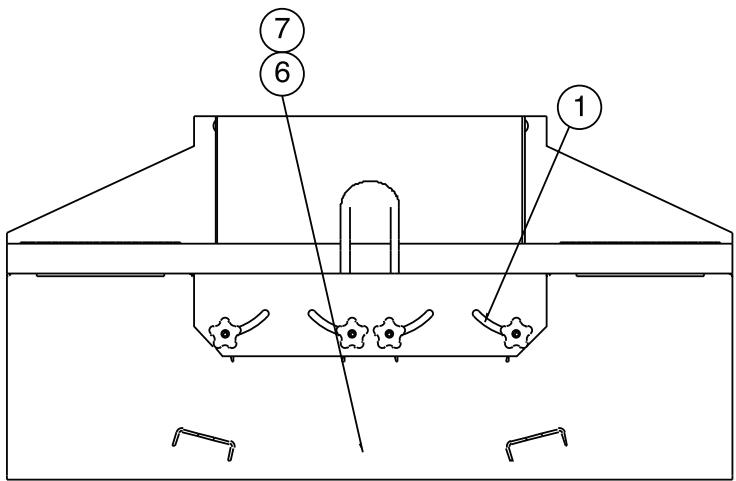
00028001 CHUTE ASSEMBLY, LOWER

Item	Qty	Part Number	Description
1	1	00062116-A 00062116-B 00062116-C 00062116-D 00062116-E	Deflector Weldment, Rear, 10 Gauge, MS Deflector Weldment, Rear, 10 Gauge, SST Deflector Weldment, Rear, 10 Gauge, Corten Deflector Weldment, Rear, 12 Gauge, MS Deflector Weldment, Rear, 12 Gauge, SST
2	4	05022035	Pin, Hair, $\frac{1}{8}$
3	2	00028003-A 00028003-B 00028003-D 00028003-E 00028003-F	Restrictor Gate, 10 Gauge, MS Restrictor Gate, 10 Gauge, SST Restrictor Gate, 10 Gauge, Corten Restrictor Gate, 12 Gauge, MS Restrictor Gate, 12 Gauge, SST
4	2	05022106	Pin, Lynch, .188
5	4	05022055 05022069	Pin, Clevis, $\frac{1}{8} \times 2\frac{1}{2}$, MS Pin, Clevis, $\frac{1}{8} \times 2\frac{1}{2}$, SST
6	4	05022072	Pin, Roll, .156 x $\frac{1}{8}$
7	2	05010593 05016040	Bolt, $\frac{1}{4}$ -20 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{4}$ -20 x 1, HHCS, SST
8	2	05020899 05020906	Nut, $\frac{1}{4}$ -20, GC, Top Lock, C&W Nut, $\frac{1}{4}$ -20, Nylon Lock, SST
9	1	00028002-A 00028002-B 00028002-C 00028002-D 00028002-E	Spinner Weldment, 10 Gauge, MS Spinner Weldment, 10 Gauge, SST Spinner Weldment, 10 Gauge, Corten Spinner Weldment, 12 Gauge, MS Spinner Weldment, 12 Gauge, SST
10	1	00062127-A 00062127-B 00062127-C 00062127-D 00062127-E	Deflector Weldment, Front, 10 Gauge, MS Deflector Weldment, Front, 10 Gauge, SST Deflector Weldment, Front, 10 Gauge, Corten Deflector Weldment, Front, 12 Gauge, MS Deflector Weldment, Front, 12 Gauge, SST
11	1	00062104-A 00062104-B 00062104-D 00062104-E 00062104-F	Deflector Weldment, RH, 10 Gauge, MS Deflector Weldment, RH, 10 Gauge, SST Deflector Weldment, RH, 10 Gauge, Corten Deflector Weldment, RH, 12 Gauge, MS Deflector Weldment, RH, 12 Gauge, SST
12	1	00028011-A 00028011-B 00028011-C	Gate Adjusting Bar, RH, MS Gate Adjusting Bar, RH, SST Gate Adjusting Bar, RH, Corten
13	1	00028012-A 00028012-B 00028012-C	Gate Adjusting Bar, LH, MS Gate Adjusting Bar, LH, SST Gate Adjusting Bar, LH, Corten
14	1	00062101-A 00062101-B 00062101-D 00062101-E 00062101-F	Deflector Weldment, LH, 10 Gauge, MS Deflector Weldment, LH, 10 Gauge, SST Deflector Weldment, LH, 10 Gauge, Corten Deflector Weldment, LH, 12 Gauge, MS Deflector Weldment, LH, 12 Gauge, SST



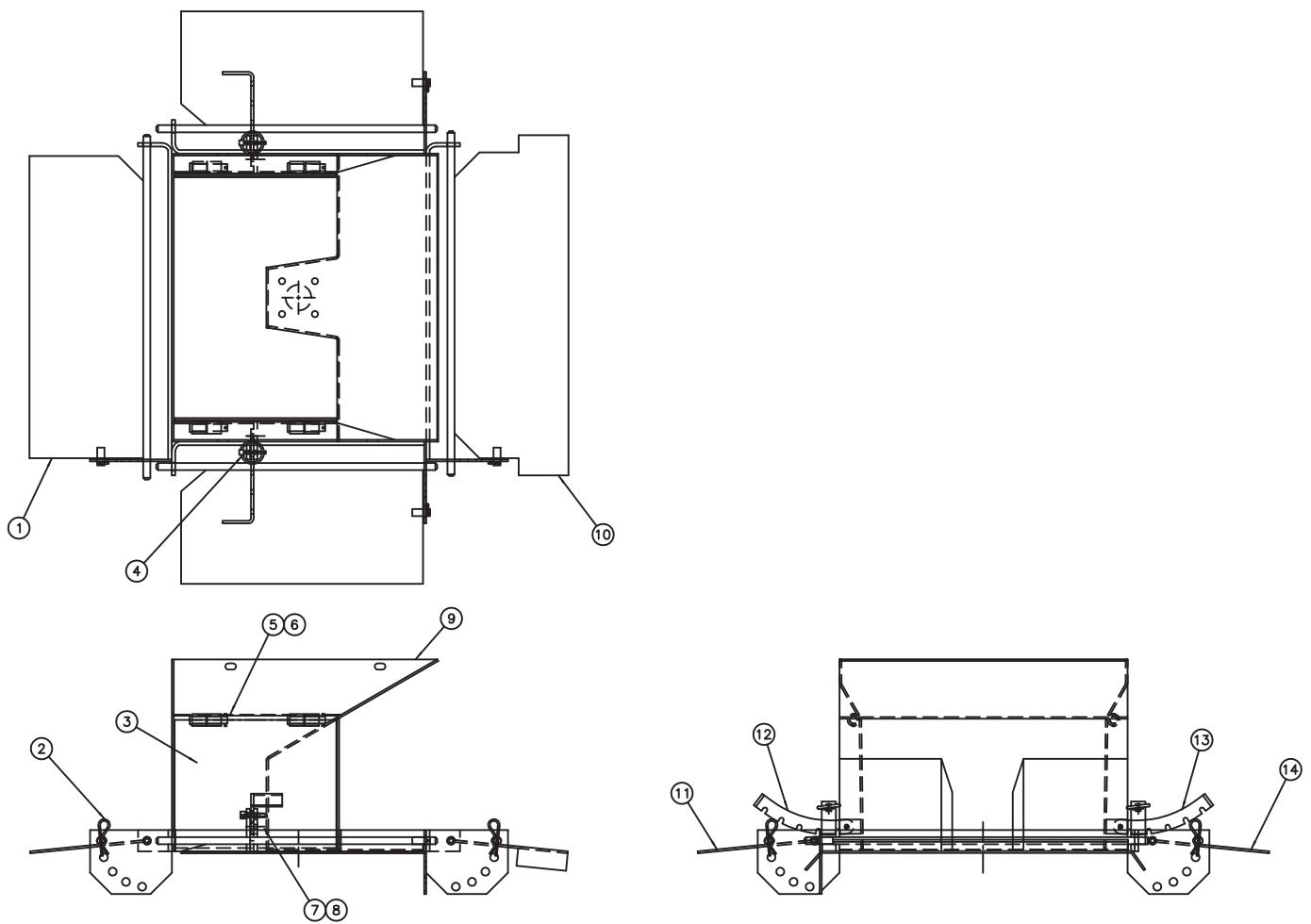
00044293 CHUTE ASSEMBLY, LOWER, BOTTOM MOUNT MOTOR

Item	Qty	Part Number	Description
1	1	00062116-A 00062116-B	Deflector Weldment, Rear, 10 Gauge, MS Deflector Weldment, Rear, 10 Gauge, SST
2	4	05022035	Hair Pin, $\frac{1}{8}$
3	2	00078894-A 00078894-B	Restrictor Gate Weldment, MS Restrictor Gate Weldment, SST
4	2	05022106	Pin, Lynch, .188
5	4	05022055 05022069	Pin Clevis, $\frac{1}{2} \times 2\frac{1}{2}$, MS Pin Clevis, $\frac{1}{2} \times 2\frac{1}{2}$, SST
6	4	05022072	Pin, Roll, .156 x $\frac{1}{8}$
7	2	05010593	Bolt, $\frac{1}{4}$ -20 x 1, G8, HHCS, Zinc
8	2	05020899	Nut, $\frac{1}{4}$ -20, GC, Top Lock, C&W
9	1	00044292-A 00044292-B	Spinner Weldment, Bottom Mount Motor, MS Spinner Weldment, Bottom Mount Motor, SST
10	1	00062104-A 00062104-B	Deflector Weldment, Side, RH, 10 Gauge, MS Deflector Weldment, Side, RH, 10 Gauge, SST
11	1	00028011-A 00028011-B	Gate Adjusting Bar, RH, MS Gate Adjusting Bar, RH, SST
12	1	00028012-A 00028012-B	Gate Adjusting Bar, LH, MS Gate Adjusting Bar, LH, SST
13	1	00062101-A 00062101-B	Defelctor Weldment, Side, LH, 10 Gauge, MS Defelctor Weldment, Side, LH, 10 Gauge, SST



00063485 CHUTE ASSEMBLY, TWIN SPINNER

Item	Qty	Part Number	Description
1	1	00059898-A 00059898-B	Chute Weldment, Lower, MS Chute Weldment, Lower, SST
2	1	00028011-A 00028011-B	Gate Adjusting Bar, RH, MS Gate Adjusting Bar, RH, SST
3	1	05010593 05016040	Bolt, $\frac{1}{4}$ -20 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{4}$ -20 x 1, HHCS, SST
4	1	05020899 05020906	Nut, $\frac{1}{4}$ -20, GC, Top Lock, C&W Nut, $\frac{1}{4}$ -20, Nylon Lock, SST
5	1	05022106	Pin, .188 Lynch
6	4	05050574	Knob, Plastic Star Grip
7	8	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST
8	4	05013986 05016003	Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, Zinc Bolt, $\frac{3}{8}$ -16 x 1, G5, Carriage, SST
9	4	05020898 05020891	Nut, $\frac{3}{8}$ -16, GC, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST

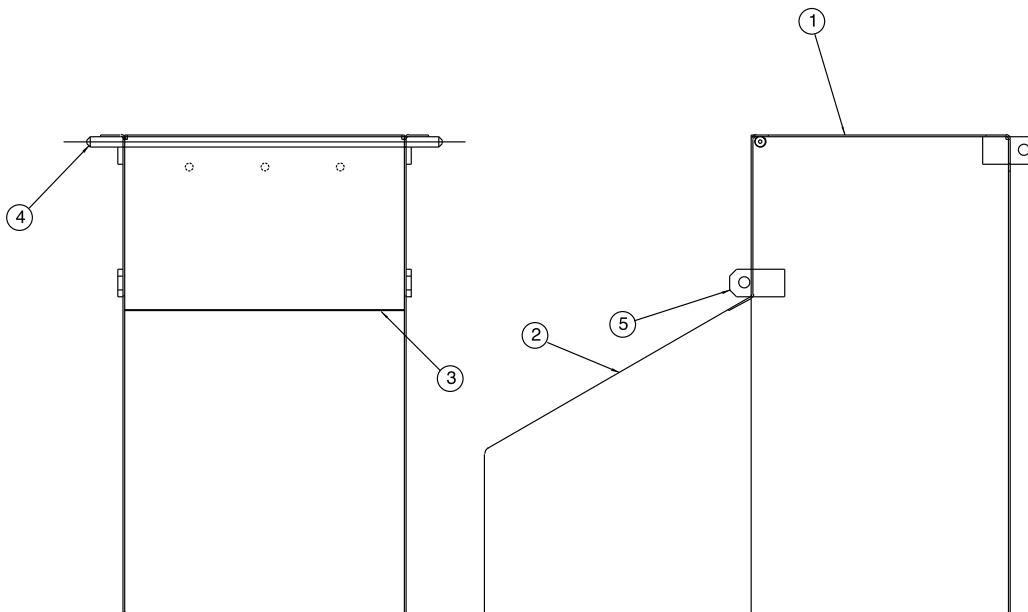


00077502 CHUTE ASSEMBLY, LOWER

Item	Qty	Part Number	Description
1	1	00076982-A 00076982-B	Deflector Weldment, Rear, MS Deflector Weldment, Rear, SST
2	4	05022035	Pin, $\frac{1}{8}$, Hair
3	2	00076999-A 00076999-B	Restrictor Gate Weldment, MS Restrictor Gate Weldment, SST
4	4	05022106	Pin, Lynch, .188
5	4	05022055 05022069	Pin, Clevis, $\frac{1}{8} \times 2\frac{1}{2}$, MS Pin, Clevis, $\frac{1}{8} \times 2\frac{1}{2}$, SST
6	4	05022072	Pin, Roll, .156 x $\frac{1}{8}$
7	2	05010593 05016040	Bolt, $\frac{1}{4}$ -20 x 1, G8, HHCS, Zinc Bolt, $\frac{1}{4}$ -20 x 1, HHCS, SST
8	2	05020899 05020906	Nut, $\frac{1}{2}$ -20, GC, Top Lock, C&W Nut, $\frac{1}{2}$ -20, Nylon Lock, SST
9	1	00076998-A 00076998-B	Spinner Weldment, .188, MS Spinner Weldment, .188, SST
10	1	00076987-A 0076987-B	Deflector Weldment, Front, MS Deflector Weldment, Front, SST
11	1	00076984-A 00076984-B	Deflector Weldment, Side, RH, MS Deflector Weldment, Side, RH, SST
12	1	00028011-A 00028011-B	Gate Adjusting Bar, RH, MS Gate Adjusting Bar, RH, SST
13	1	00028012-A 00028012-B	Gate Adjusting Bar, LH, MS Gate Adjusting Bar, LH, SST
14	1	00076985-A 00076985-B	Deflector Weldment, Side, LH, MS Deflector Weldment, Side, LH, SST

00012876 CHUTE EXTENSION KIT, BOLT-ON

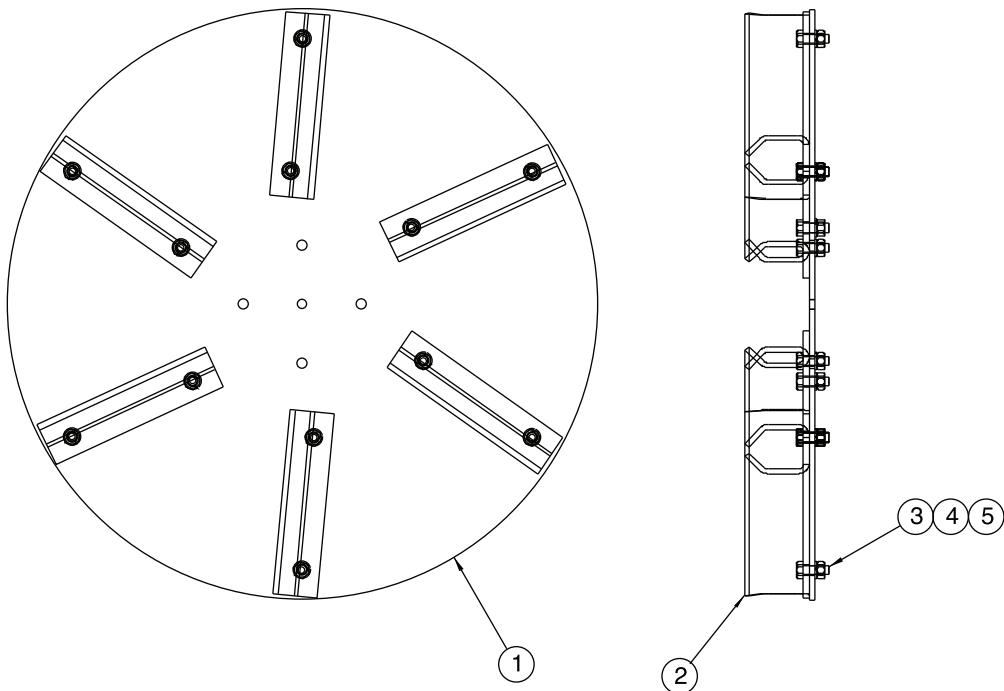
Item	Qty	Part Number	Description
1	1	00059889-A 00059889-B	Extension Weldment, MS Extension Weldment, 304 SST
2	4	05013987 05016746	Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G5, Carriage, Zinc Bolt, $\frac{3}{8}$ -16 x 1 $\frac{1}{4}$, G5, Carriage, SST
3	4	05020898 05020891	Nut, $\frac{3}{8}$ -16, Top Lock, C&W Nut, $\frac{3}{8}$ -16, Nylon Lock, SST
4	4	05021307 05021390	Washer, $\frac{3}{8}$, Flat, Zinc Washer, $\frac{3}{8}$, Flat, SST



00015212 PATCH PAN

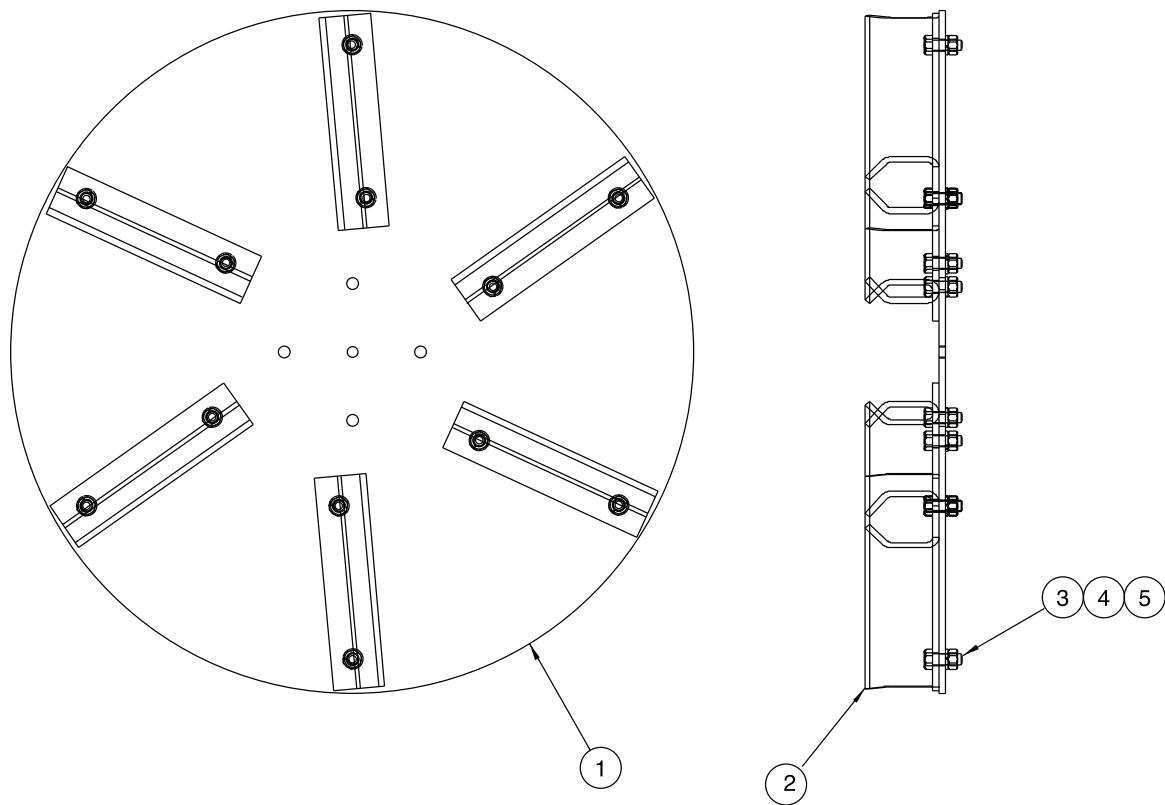
Item	Qty	Part Number	Description
1	1	00089667-A 00089667-B	Chute, MS Chute, SST
2	1	00089668-A 00089668-B	Bottom Panel, MS Bottom Panel, SST
3	1	00089669-A 00089669-B	Rear Panel, MS Rear Panel, SST
4	1	00062065-A 00062065-B	Pin, Hinge, MS Pin, Hinge, SST
5	4	00010644-A 00010644-B	Ear, Chamfered, MS Ear, Chamfered, SST

SPINNER DISC ASSEMBLIES



00099404 DISC ASSEMBLY, SPINNER, 20" CCW

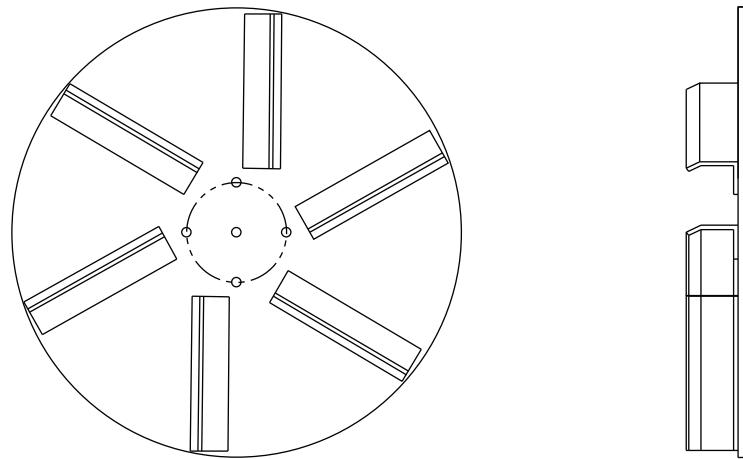
Item	Qty	Part Number	Description
1	1	00062012-A 00062012-B 00062012-C 00062012-D	Spinner Disc, 20" MS Spinner Disc, 20" SST Spinner Disc, 20" AR Spinner Disc, 20" Corten
2	6	00080425-A 00080425-B 00080425-C	Spinner Flight, MS Spinner Flight, SST Spinner Flight, Corten
3	12	05010617 05016137	Bolt, $\frac{5}{16}$ -18 x $\frac{7}{8}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x $\frac{7}{8}$, HHCS, SST
4	12	05020265 05020855	Nut, Hex, $\frac{5}{16}$ -18, G8, Zinc Nut, Hex, $\frac{5}{16}$ -18, G8, SST
5	12	05021364 05021407	Washer, Lock, $\frac{5}{16}$, Zinc Washer, Lock, $\frac{5}{16}$, SSST



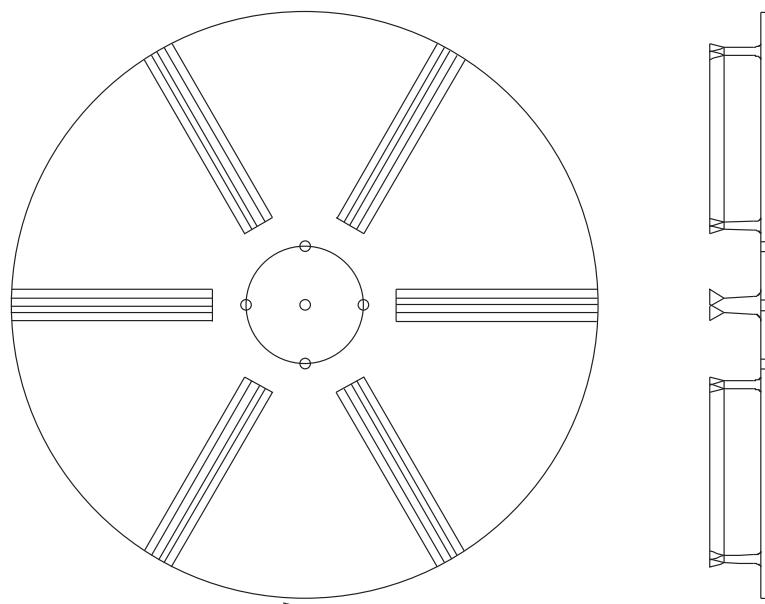
00099403 DISC ASSEMBLY, SPINNER, 20 CW

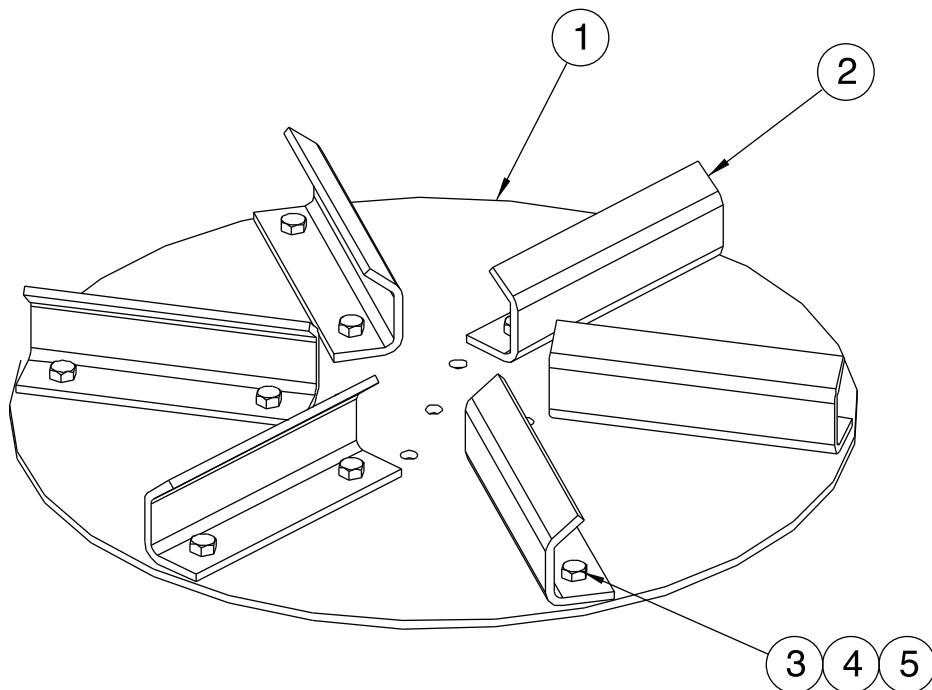
Item	Qty	Part Number	Description
1	1	00062012-A 00062012-B 00062012-C 00062012-D	Spinner Disc, 20", MS Spinner Disc, 20", SST Spinner Disc, 20", AR Spinner Disc, 20", Corten
2	6	00080425-A 00080425-B 00080425-C	Spinner Flight, MS Spinner Flight, SST Spinner Flight, Corten
3	12	05010617 05016137	Bolt, $\frac{5}{16}$ -18 x $\frac{1}{2}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x $\frac{1}{2}$, HHCS, SST
4	12	05020265 05020855	Nut, Hex, $\frac{5}{16}$ -18, G8, Zinc Nut, Hex, $\frac{5}{16}$ -18, G8, SST
5	12	05021364 05021407	Washer, Lock, $\frac{5}{16}$, G5, Zinc Washer, Lock, $\frac{5}{16}$, G5, SST

05050071-B SPINNER DISK, 18" ,POLY, BLACK FORMED FINS



05050794 SPINNER DISC, 20" CCW, POLY WITH MOLDED FLIGHTS



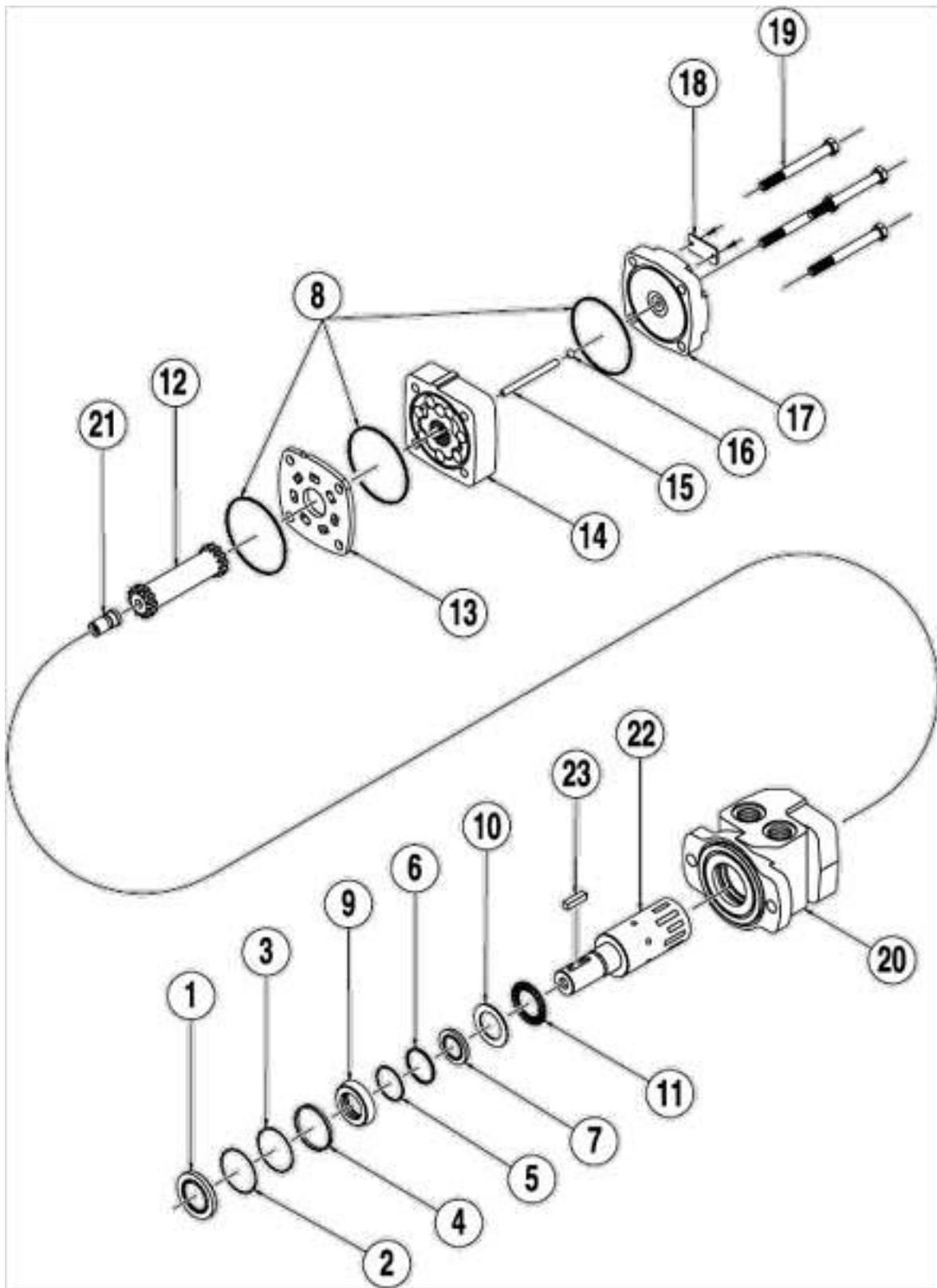


00099401 DISC ASSEMBLY, SPINNER, 18 CCW

Item	Qty	Part Number	Description
1	1	00080420-A 00080420-B 00080420-D	Disc, Spinner, 18", MS Disc, Spinner, 18", SST Disc, Spinner, 18", AR
2	6	00080425-A 00080425-B	Flite, Spinner, MS Flite, Spinner, SST
3	12	05010617 05016137	Bolt, $\frac{5}{16}$ -18 x $\frac{7}{8}$, G8, HHCS, Zinc Bolt, $\frac{5}{16}$ -18 x $\frac{7}{8}$, HHCS, SST
4	12	05020265 05020855	Nut, $\frac{5}{16}$ -18, G8, Hex, Zinc Nut, $\frac{5}{16}$ -18, G8, Hex, SST
5	12	05021364 05021407	Washer, $\frac{5}{16}$, Lock, Zinc Washer, $\frac{5}{16}$, Lock, SST

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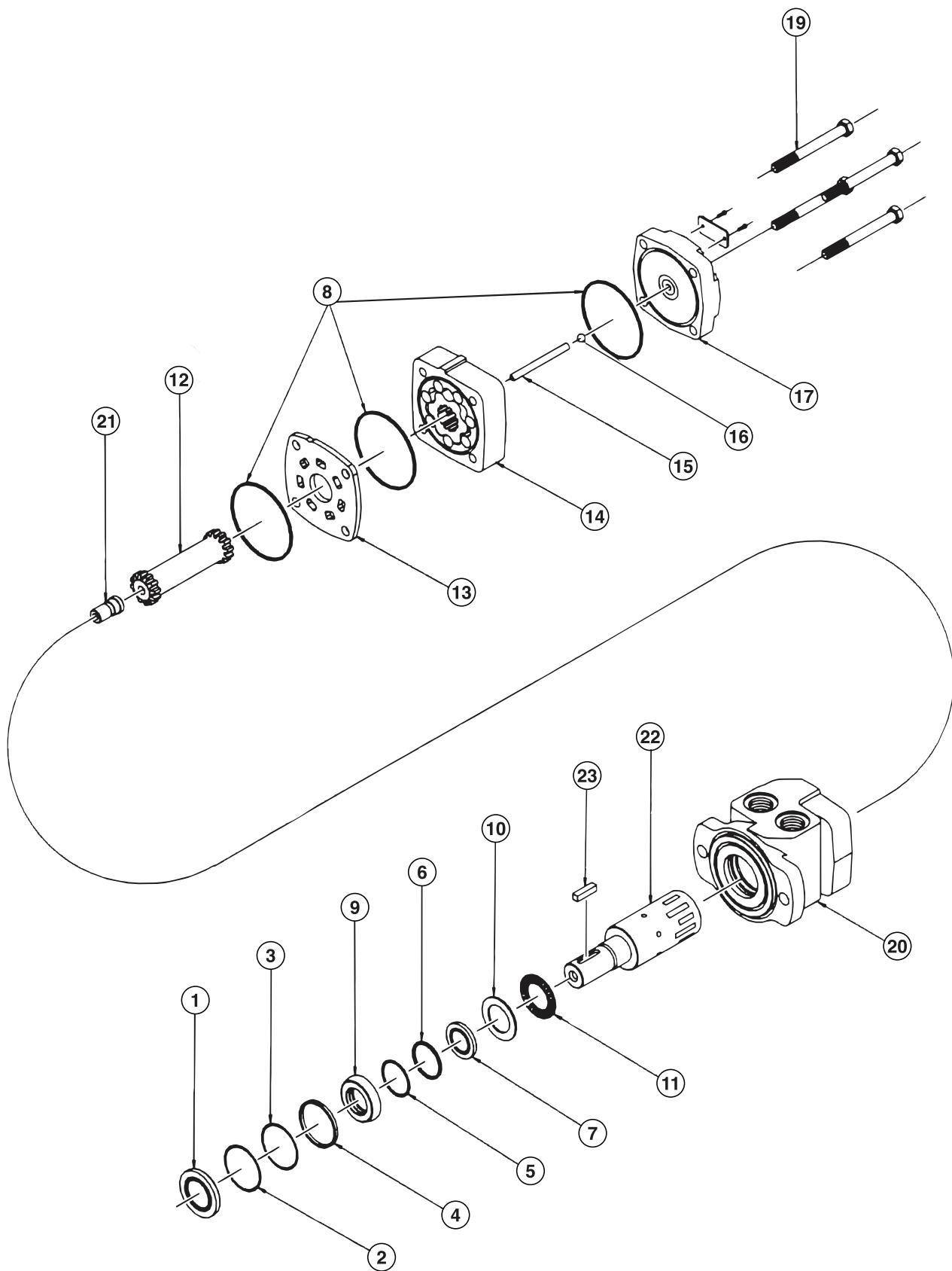
05006550 MOTOR, HYDRAULIC, WHITE, 6.3 CI, 4-BOLT



MOTOR ASSEMBLY PARTS LIST

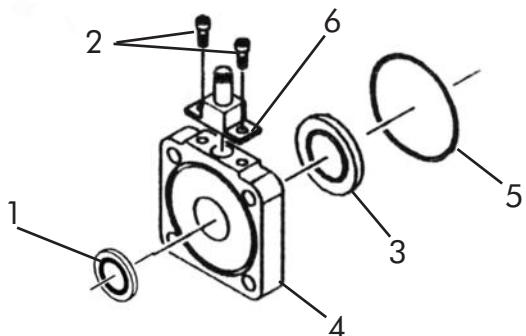
Item	Part Number	Description
1	Seal Kit 05006061	Dust Seal
2		Split Wire Ring
3		Metal Backup Shim
4		High Pressure Seal
5		Metal Backup Shim
6		Teflon Backup Shim
7		Shaft Seal
8		Body Seals (3)
9		Seal Carrier
10		Thrust Washer
11	05006357	Thrust Bearing
12	05006574	Drive Link Kit
13	05006359	Wear Plate
14	05006573	Rotor Kit
15	05006575	Drive Link Pin Kit
16	---	Included in item #15 Drive Link Pin Kit
17	05006360	End Cover
18	---	Serial Number Plate
19	05006576	Bolt Set Kit
20	05006564	Housing Kit, 4-Hole, w/ 7/8" O-Ring
21	05006358	Cooling Plug
22	05006370	Shaft Kit, 1" Straight
23	05006371	Key Kit, 1" Straight

**05006687 MOTOR, HYD, WHITE, 6.3CI, 4B,
100PS SENSOR, BH, LOW VOLTAGE, .875 ORB**



MOTOR ASSEMBLY PARTS LIST

Item	Part Number	Description
1	Seal Kit 05006679	Dust Seal
2		Split Wire Ring
3		Metal Backup Shim
4		High Pressure Seal
5		Metal Backup Shim
6		Teflon Backup Shim
7		Shaft Seal
8		Body Seals (3)
9		Seal Carrier
10		Thrust Washer
11	05006357	Thrust Bearing
12	05006574	Drive Link Kit
13	05006359	Wear Plate
14	05006573	Rotor Kit
15	05006575	Drive Link Pin Kit
16	---	Included in item #15 Drive Link Pin Kit
17	05006360	End Cover
18	---	Serial Number Plate
19	05006576	Bolt Set Kit
20	05006564	Housing Kit, 4-Hole, w/ 7/8" O-Ring
21	05006358	Cooling Plug
22	05006410	Shaft Kit 1" Straight Speed Sensor
23	---	Key Kit, 1" Straight

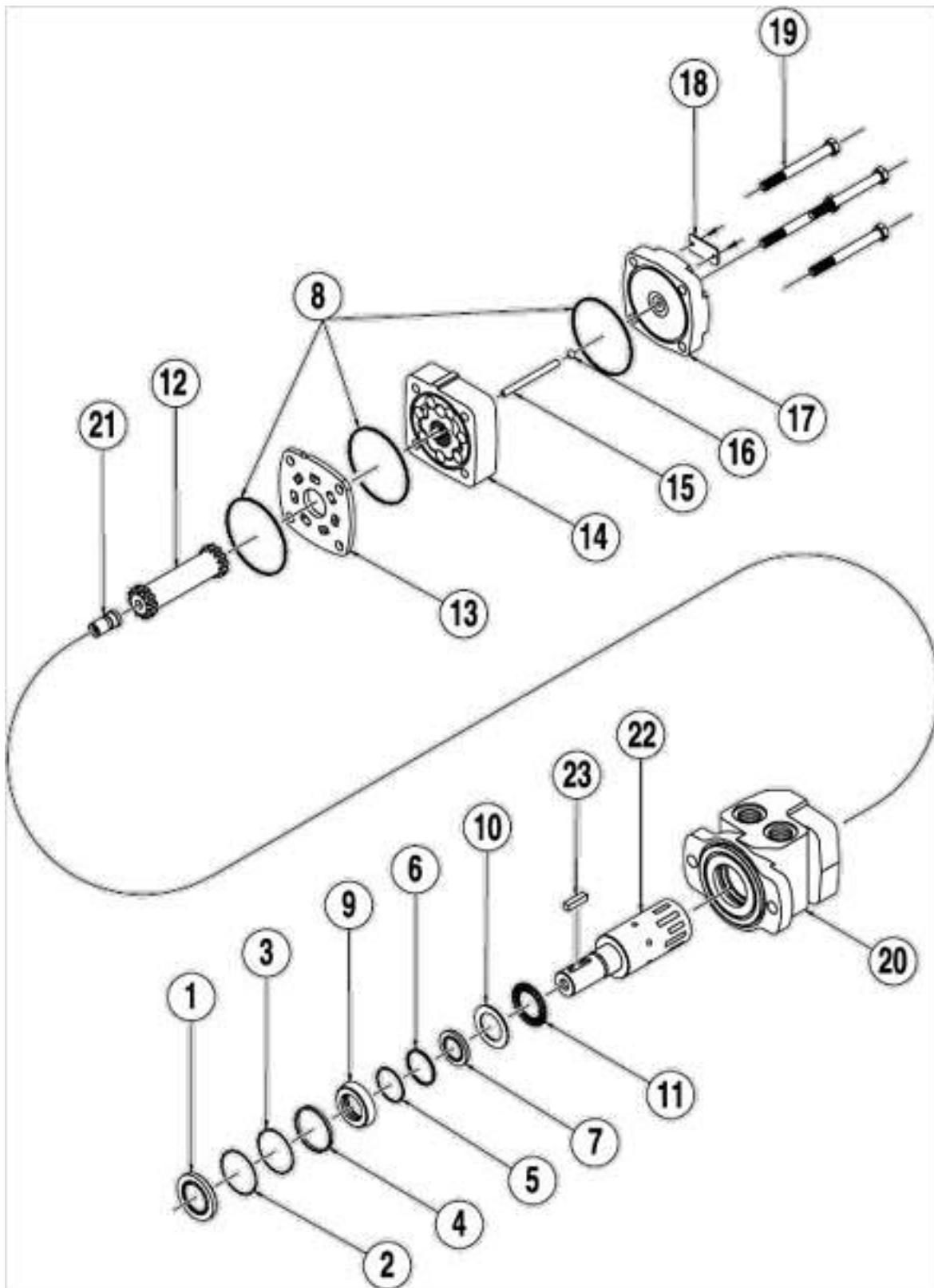


**See Service Bulletin
Page 164**

SPEED SENSOR KIT

Item	Qty	Part Number	Description
1	1	05006560	Dust Seal
2	2	05006561	Sensor Attachment Screw
3	1	05006600	Sensor Magnet
4	1	05006418	4-Hole Sensor Flange
5	1	05006601	4-Hole Sensor Flange Seal
6	1	05006629	Speed Sensor ONLY - 100 Pulse

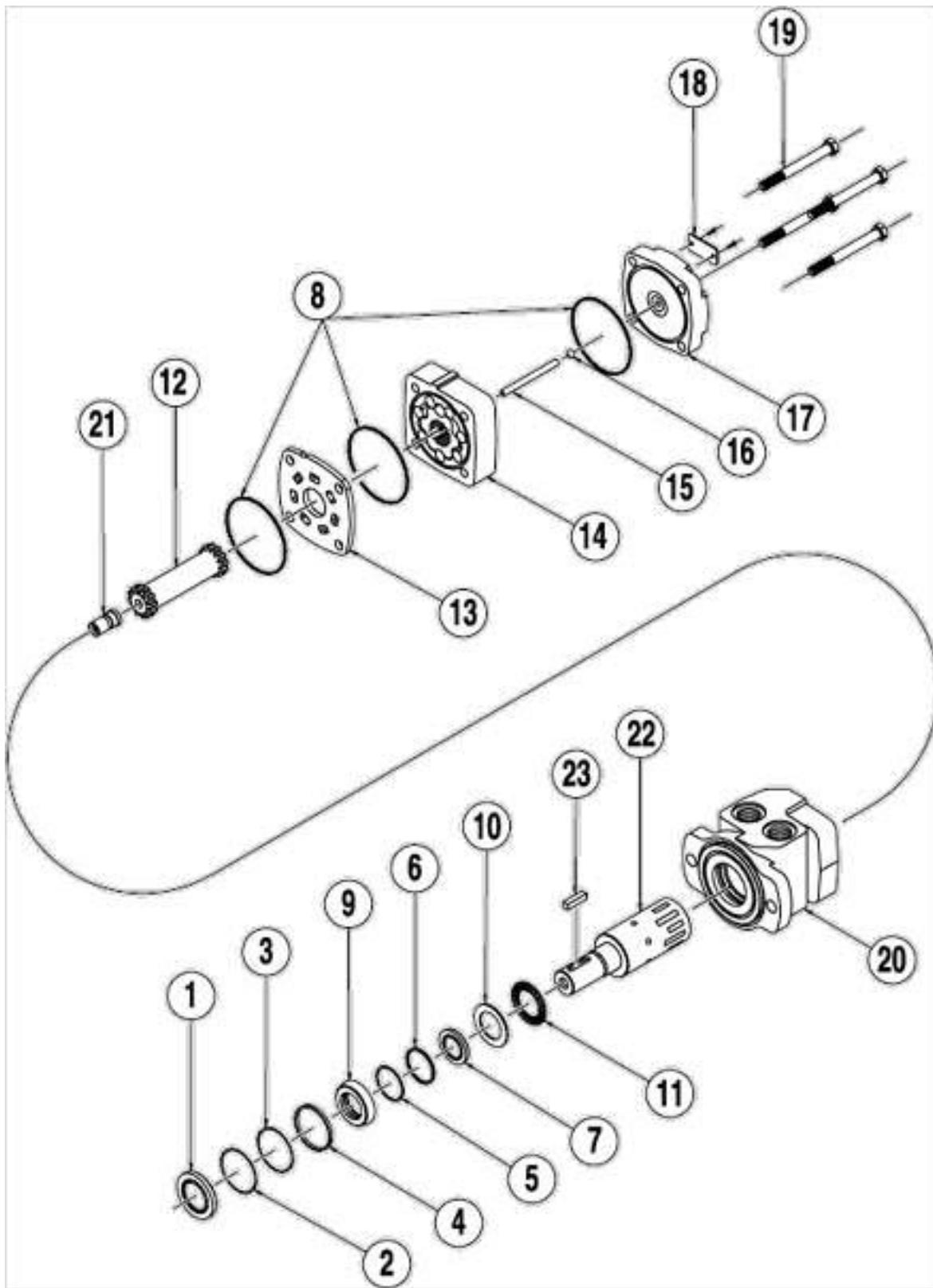
05006548 MOTOR, HYDRAULIC, WHITE, 17.9 CI, 2 BOLT



MOTOR ASSEMBLY PARTS LIST

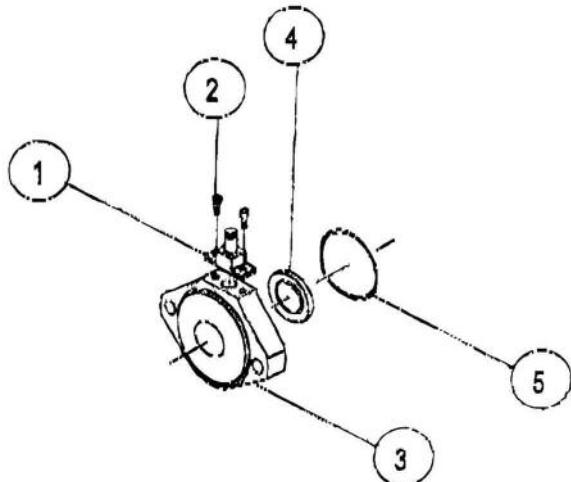
Item	Part Number	Description
1	Seal Kit 05006061	Dust Seal
2		Split Wire Ring
3		Metal Backup Shim
4		High Pressure Seal
5		Metal Backup Shim
6		Teflon Backup Shim
7		Shaft Seal
8		Body Seals (3)
9		Seal Carrier
10		Thrust Washer
11	05006357	Thrust Bearing
12	05006366	Drive Link Kit
13	05006359	Wear Plate
14	05006376	Rotor Kit
15	05006377	Drive Link Pin Kit
16	---	Included in item #15 Drive Link Pin Kit
17	05006360	End Cover
18	---	Serial Number Plate
19	05006378	Bolt Set Kit
20	05006565	Housing Kit, 2-Hole, w/ 7/8" O-Ring
21	05006358	Cooling Plug
22	05006370	Shaft Kit, 1" Straight
23	05006371	Key Kit, 1" Straight

05006596 MOTOR, HYD, WHITE, 17.9 CI, 2BOLT, DISP 100PPR, 1" SFT, .875ORB



MOTOR ASSEMBLY PARTS LIST

Item	Part Number	Description
1	Seal Kit 05006061	Dust Seal
2		Split Wire Ring
3		Metal Backup Shim
4		High Pressure Seal
5		Metal Backup Shim
6		Teflon Backup Shim
7		Shaft Seal
8		Body Seals (3)
9		Seal Carrier
10		Thrust Washer
11	05006357	Thrust Bearing
12	05006366	Drive Link Kit
13	05006359	Wear Plate
14	05006376	Rotor Kit
15	05006377	Drive Link Pin Kit
16	---	Included in item #15 Drive Link Pin Kit
17	05006360	End Cover
18	---	Serial Number Plate
19	05006378	Bolt Set Kit
20	05006565	Housing Kit, 2-Hole, w/ 7/8" O-Ring
21	05006358	Cooling Plug
22	05006410	Shaft Kit, 1" Straight Speed Sensor
23	05006371	Key Kit, 1" Straight Speed Sensor

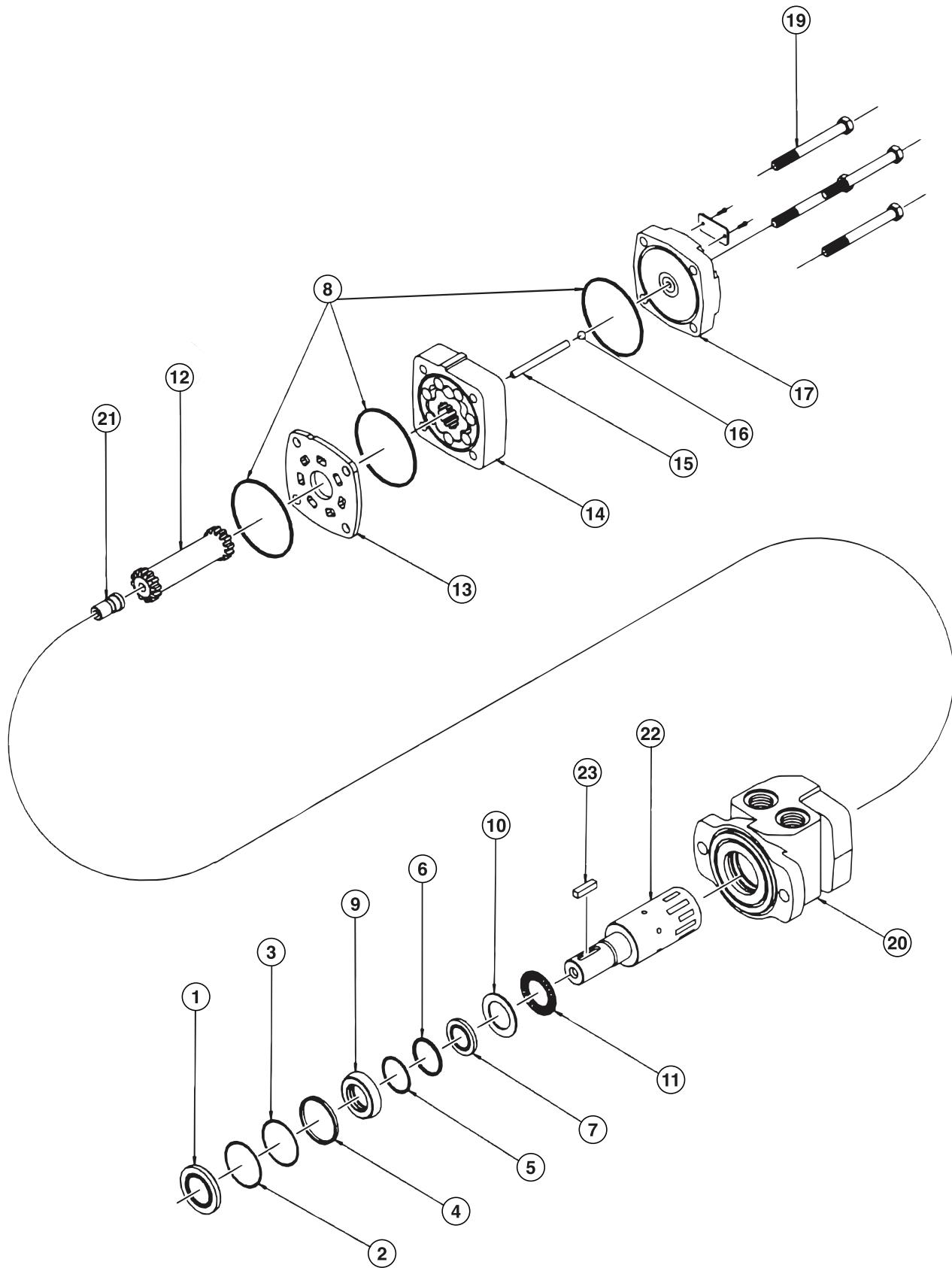


**See Service Bulletin
Page 164**

SPEED SENSOR KIT

Item	Qty	Part Number	Description
1	1	05006629	Standard 4-Pin Speed Sensor
2	2	05006561	Sensor Attachment Screws
3	1	05006600	2-Hole Sensor Flange
4	1	05006418	Sensor Magnet for 21 Shaft 50 Pole Pairs
5	1	05006601	2-Hole Sensor Flange Seal

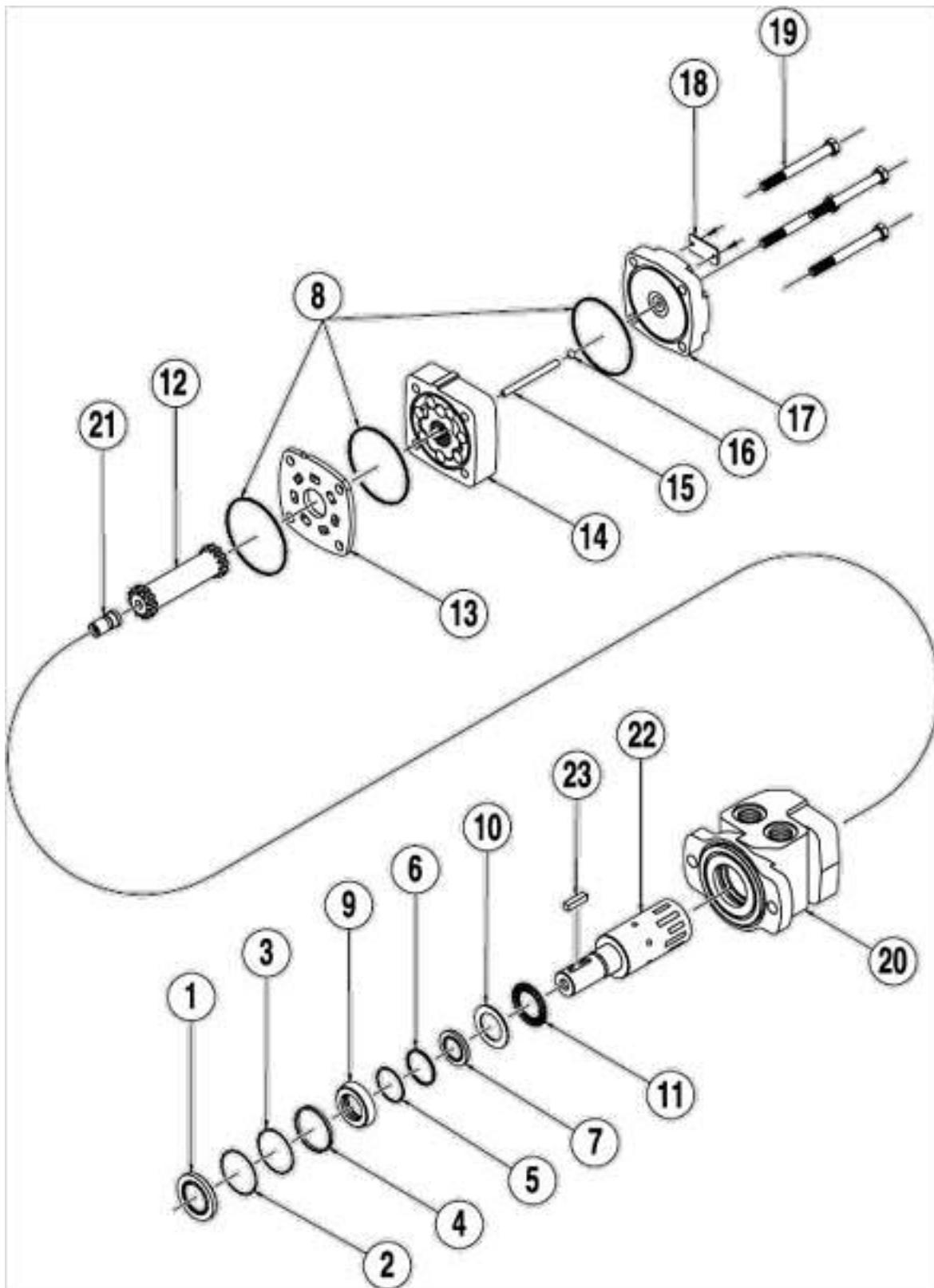
05006673 MOTOR, HYD, WHITE, 3.2CI, 4B, 1" EXT SHAFT, .875" ORB/SEAL SAVER



MOTOR ASSEMBLY PARTS LIST

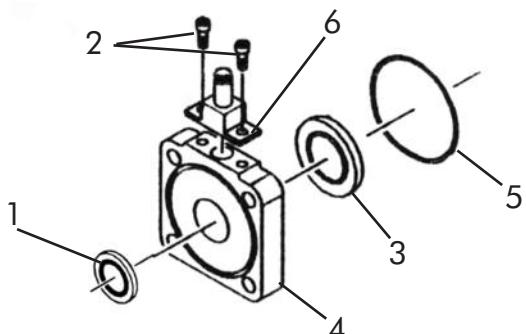
Item	Part Number	Description
1		Dust Seal
2		Split Wire Ring
3		Metal Backup Shim
4		High Pressure Seal
5		Metal Backup Shim
6		Teflon Backup Shim
7		Shaft Seal
8		Body Seals (3)
9		Seal Carrier
10		Thrust Washer
11	---	Thrust Bearing
12	---	Drive Link Kit
13	---	Wear Plate
14	---	Rotor Kit
15	---	Drive Link Pin Kit
16	---	Included in item #15 Drive Link Pin Kit
17	---	End Cover
18	---	Serial Number Plate
19	---	Bolt Set Kit
20	05006564	Housing Kit, 4-Hole, w/ 7/8" O-Ring
21	---	Cooling Plug
22	05006410	Shaft Kit 1" Straight Speed Sensor
23	---	Key Kit, 1" Straight

05006690 MOTOR, WHITE, 3.2CI 4 BOLT, 1" SHAFT, 100PSI SENSOR, .875" ORB



MOTOR ASSEMBLY PARTS LIST

Item	Part Number	Description
1		Dust Seal
2		Split Wire Ring
3		Metal Backup Shim
4		High Pressure Seal
5		Metal Backup Shim
6		Teflon Backup Shim
7		Shaft Seal
8		Body Seals (3)
9		Seal Carrier
10		Thrust Washer
11	---	Thrust Bearing
12	05006362	Drive Link Kit
13	---	Wear Plate
14	05006361	Rotor Kit
15	05006363	Drive Link Pin Kit
16	---	Included in item #15 Drive Link Pin Kit
17	---	End Cover
18	---	Serial Number Plate
19	05006364	Bolt Set Kit
20	05006564	Housing Kit, 4-Hole, w/ 7/8" O-Ring
21	05006371	Cooling Plug
22	05006410	Shaft Kit, 1" Straight
23	05006371	Key Kit

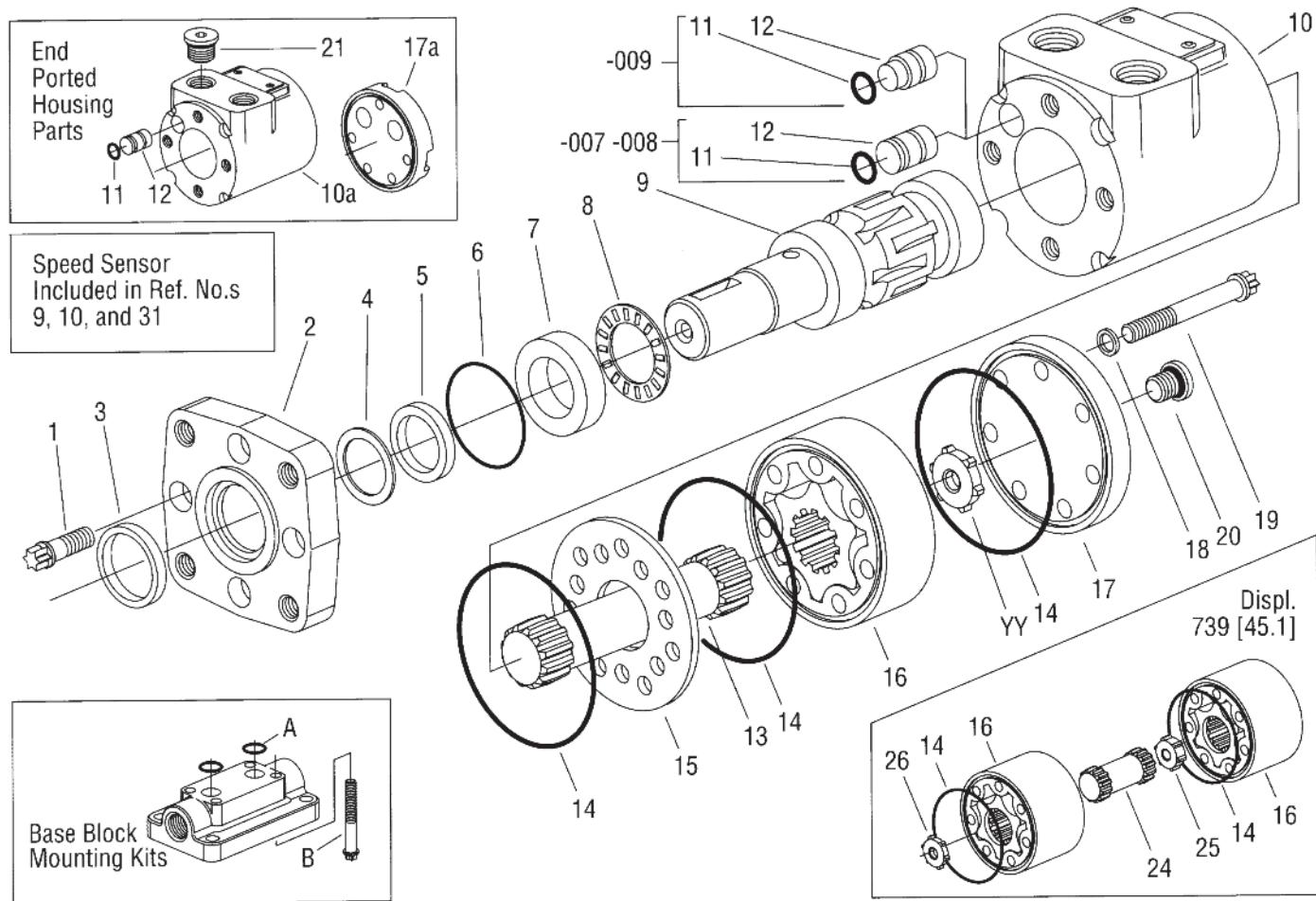


**See Service Bulletin
Page 164**

SPEED SENSOR KIT

Item	Qty	Part Number	Description
1	1	05006560	Dust Seal
2	2	05006561	Sensor Attachment Screw
3	1	05006600	Sensor Magnet
4	1	05006418	4-Hole Sensor Flange
5	1	05006601	4-Hole Sensor Flange Seal
6	1	05006629	Speed Sensor ONLY - 100 Pulse

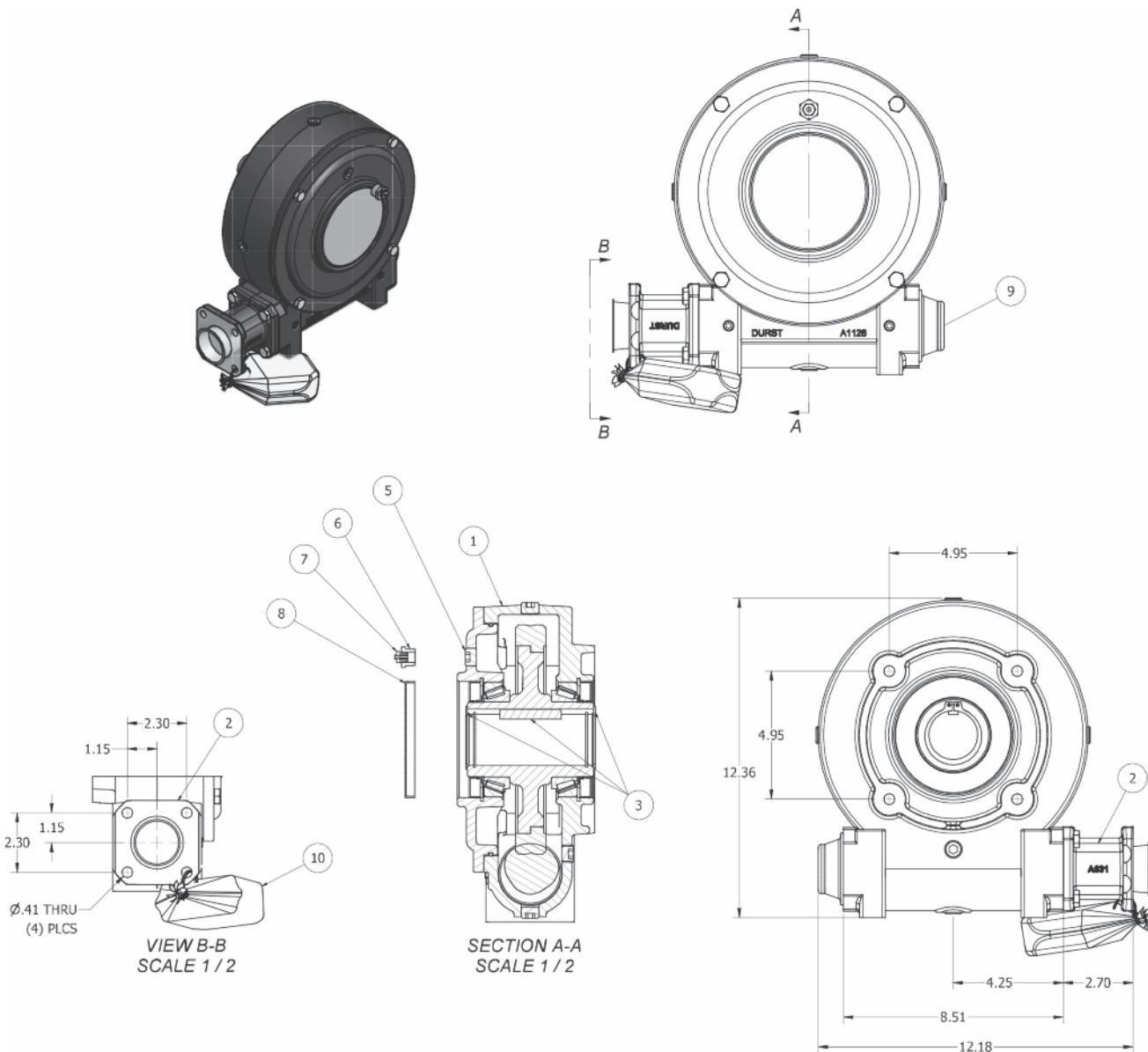
Eaton Motor Parts Breakdown



Displ. cm ³ /r [in ³ /r]	Ref. No. 13 Drive	Length mm [in.]	Ref. No. 16 Gerotor	Width mm [in.]	Ref. No. YY	Ref. No. 19 Screw, Cap	Length mm [in.]
37 [2.2]	602-000	76,2 [3.00]	21850-022	6,4 [.25]	N/A	16294-150	38,1 [1.50]
46 [2.8]	602-000	76,2 [3.00]	8277-001	6,4 [.25]	N/A	16294-150	38,1 [1.50]
59 [3.6]	22250-000	80,8 [3.15]	21850-023	10,2 [.40]	N/A	16294-162	44,4 [1.62]
74 [4.5]	22250-000	80,8 [3.15]	8277-024	10,2 [.40]	N/A	16294-162	41,4 [1.62]
96 [5.9]	616-000	81,8 [3.22]	8277-003	13,2 [.52]	N/A	16294-175	44,5 [1.75]
120 [7.3]	22251-000	86,2 [3.40]	8277-009	16,5 [.65]	N/A	16294-188	47,8 [1.88]
146 [8.9]	22252-000	89,9 [3.54]	8277-020	20,1 [.79]	N/A	16294-200	50,8 [2.00]
159 [9.7]	8664-000	91,7 [3.61]	8277-004	21,8 [.86]	N/A	16294-212	54,1 [2.12]
185 [11.3]	22189-000	95,8 [3.77]	8277-005	25,4 [1.00]	N/A	16294-225	57,1 [2.25]
231 [14.1]	22190-000	102,1 [4.02]	8277-025	31,7 [1.25]	N/A	16294-250	63,5 [2.50]
293 [17.9]	22253-000	110,5 [4.35]	8277-026	40,4 [1.59]	N/A	16294-288	73,2 [2.88]
370 [22.6]	22191-000	121,2 [4.77]	8277-027	50,8 [2.00]	N/A	16294-325	82,6 [3.25]
739 [45.1]	8634-000	107,4 [4.23]	21850-028 (2)	50,8 [2.00]	ea.	(See 25 & 26)	16294-525 133,3 [5.25]

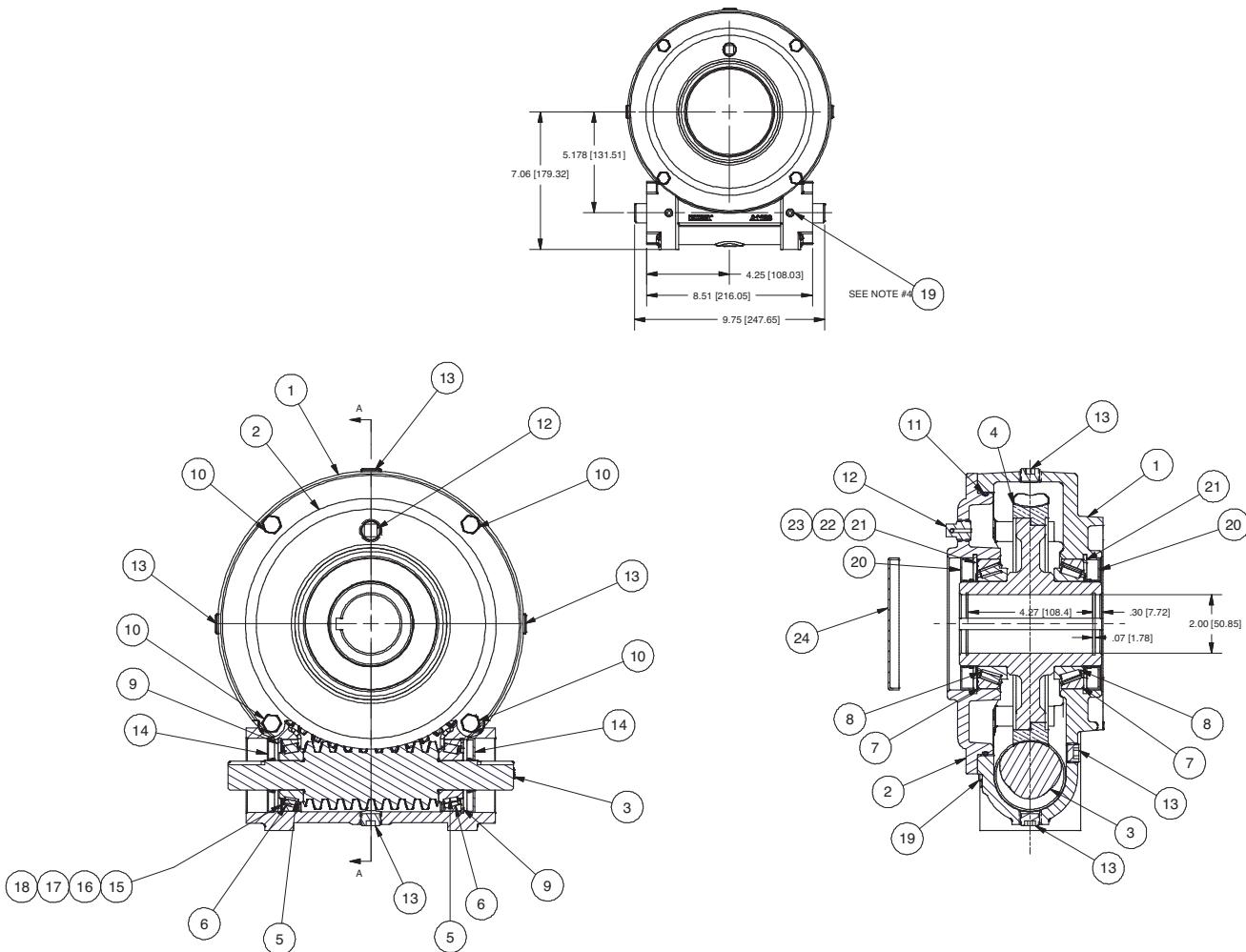
EATON MOTORS PART LIST

1	4	16292-088	Screw, Cap (6 Point (E10) Drive $\frac{1}{16}$ -24 UNF x $\frac{1}{16}$
2	1	22000-001	Flange Mounting (2 Bolt)
	1	22000-002	Flange Mount (4 Bolt) $\frac{1}{16}$ -16 UNC
	1	22000-006	Flange Mounting (4 Bolt) M10 x 1,5
	1	22000-004	Flange Mounting (2 Bolt SAE B)
	1	22000-005	Flange Mounting (4 Bolt Magneto)
3	1	9121-002*	Seal, Exclusion
4	1	22002-000*	Washer, Backup
5	1	9057-014*	Seal, Pressure
6	1	9091-00 *	Seal
7	1	7462-000	Race, Thrust Bearing
8	1	7537-000	Bearing, Thrust Needle
9	1	7360-001	Shaft, Output (1 in. Dia. Straight with Woodruff Key Slot)
	1	220879-001	Shaft, Output (1 in. Dia. Straight with Woodruff Key Slot--Sensor Shaft)
	1	7360-002	Shaft, Output (SAE 6B Splined)
	1	7360-007	Shaft, Output (1 in. Dia. Straight with .315 Dia. Crosshole)
	1	7360-008	Shaft, Output (1 in. Dia. Straight with .406 Dia. Crosshole)
	1	7360-024	Shaft, Output (25 mm Dia. Straight)
	1	7360-016	Shaft, Output ($\frac{1}{16}$ in. Dia. SAE B 13 T Splined)
	1	7360-017	Shaft, Output ($\frac{1}{16}$ in. Dia. Straight SAE B Straight)
	1	7360-018	Shaft, Output (1 in. Dia. Tapered)
	1	14193-000	Key, Woodruff (1 in. Dia. Straight Shaft)
	1	14193-000	Key, Woodruff (for Tapered Shaft)
	1	14391-004	Key, Straight (for $\frac{1}{16}$ in. Dia. Shaft)
	1	14462-006	Key, Straight (for 25 mm Dia. Shaft)
	1	14381-000	Nut (for Tapered Shaft)
10	1	22230-001	Housing, $\frac{1}{16}$ -14 O-ring Ports
	1	201225-001	Housing, $\frac{1}{16}$ -14 O-ring Ports--Sensor Housing
	1	22230-002	Housing, $\frac{1}{16}$ NPTF Ports
	1	201225-002	Housing, $\frac{1}{16}$ NPTF Ports--Sensor Housing
	1	22230-003	Housing, Manifold Ports ($\frac{1}{16}$ -18 UNC)
	1	22230-006	Housing, G $\frac{1}{16}$ (BSP) Ports
	1	22230-004	Housing, Manifold Ports (M8 x 1.5)
10a	1	22294-001	Housing, End Ported Motor
11	1	250001-011*	O-ring
12	1	22229-000	Plug
13	1	See previous page	Drive
14	3	9086-002*	Seal
15	1	7358-000	Plate, Spacer
16	1	See previous page	Gerotor
17	1	7461-000	Cap, End (without Port(s))
	1	7611-000	Cap, End (with $\frac{1}{16}$ -20 O-ring Drain Port)
	1	21779-000	Cap, End (with G $\frac{1}{16}$ (BSP) Drain Port)
17a	1	21387-001	Cap, End (with $\frac{1}{16}$ -16 O-ring Ports (2))
	1	21387-002	Cap, End (with $\frac{1}{16}$ -16 O-ring Ports (2) and $\frac{1}{16}$ -20 O-ring Drain Port)
	1	21387-003	Cap, End (with G $\frac{1}{16}$ (BSP) Ports (2) and G $\frac{1}{16}$ (BSP) Drain Port)
18	7	14488-000*	Seal, Washer (Used with 12 Point Cap Screws Only)
19	7	See previous page	Screw, Cap (6 Point (E10) Drive $\frac{1}{16}$ -24 UNF)
20	1	9072-003	Plug/O-ring ($\frac{1}{16}$ -20 Drain Port)
	1	250003-904*	O-ring for $\frac{1}{16}$ -20 Drain Port Plug
	1	9170-002	Plug/O-ring (G $\frac{1}{16}$ (BSP) Drain Port)
	1		O-ring for G $\frac{1}{16}$ (BSP) Drain Port Plug
21	2	9072-007	Plug/O-ring, Housing ($\frac{1}{16}$ -14 Plug S/A used w/End Ported Motors)
	2	250003-910*	O-ring for $\frac{1}{16}$ -14 Housing Port Plug
	2	9179-007	Plug/O-ring (Viton), Housing ($\frac{1}{16}$ -14 Plug S/A used w/ End Ported Motors)
	2	250017-910	O-ring (Viton for $\frac{1}{16}$ -14 Housing Port Plug)
24	1	45-000	Drive (Displ. 739 [45.1] Only)
25	1	6901-002	Spacer (Displ. 739 [45.1] Only)
26	1	6901-009	Spacer (Displ. 739 [45.1] Only)
31	1	201137-001	Sensor Speed (127 mm [5.0 in.] Lead Wire)
Seal Kit		60540-000	Seal Kit (Buna N)--Contains Parts Indicated by *
		60545-000	Seal Kit (Viton)--Contains Parts Indicated by *(Part # differ from those shown)
Mtg Kit		123-1007	Base Block Mounting Kit ($\frac{1}{16}$ NPTF Ports (Manifold Mount Motors Only))
		123-1008	Base Block Mounting Kit ($\frac{1}{16}$ -14 O-ring Ports (Manifold Mount Motors Only))
A		15058-000*	Seal, O-ring (2)
B		267512-019	Screw, Cap ($\frac{1}{16}$ -18 Thread (4))



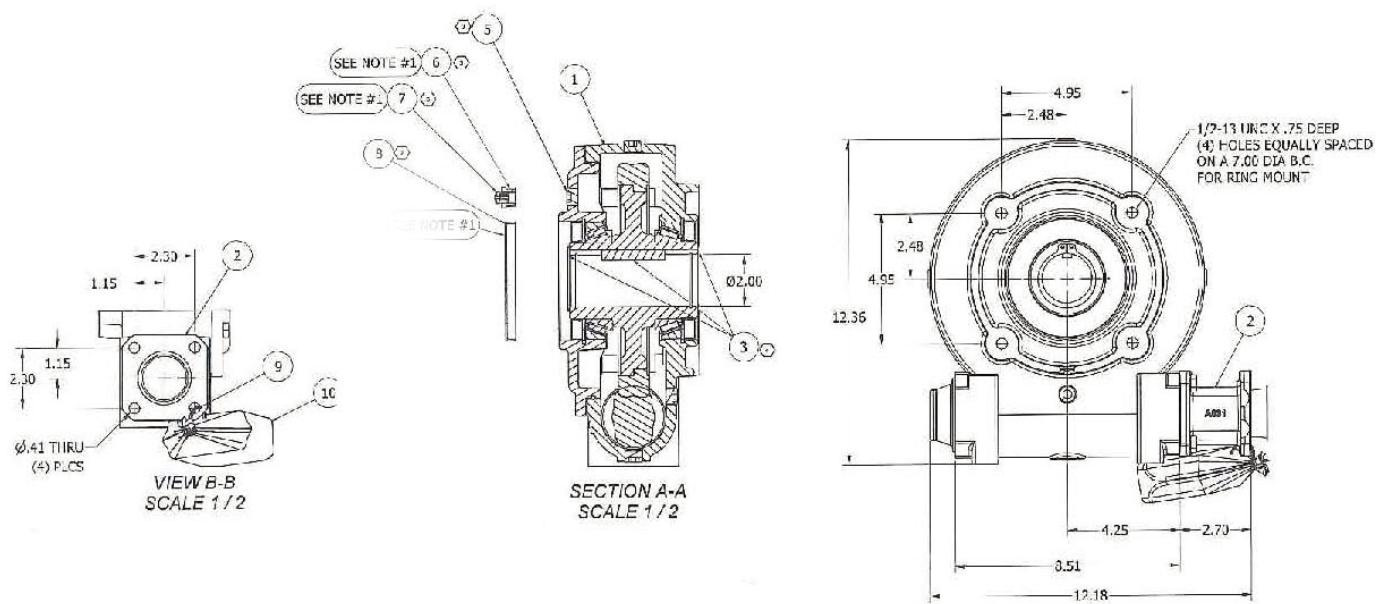
05007438 GEARBOX, 50:1

Item	Qty	Part Number	Description
1			Worm Drive Assembly (<i>See next page</i>)
2	1	05007452	4-Bolt Hydraulic Adapter Kit
3	1	05007459	2" Diameter Shaft Output Kit
5	1	05007122	Hex Plug
6	1	05007460	Reducer
7	1	05007461	Pressure Relief
8	1	05007458	Expansion Plug Cap
9	1	05007454	Shaft Protector



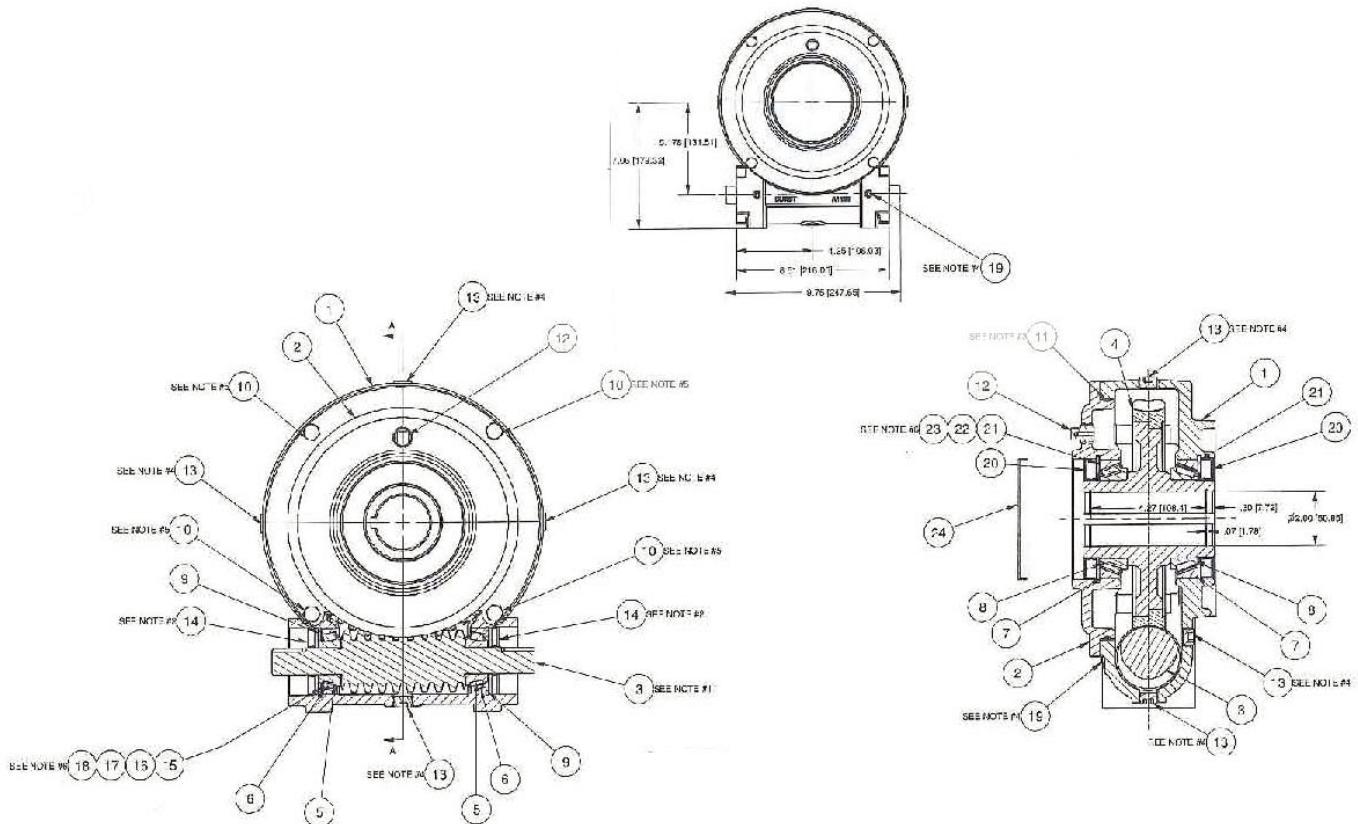
WORM DRIVE ASSEMBLY FOR 05007438 GEARBOX

Item	Qty	Part Number	Description
5	2	05007055	Cone, Bearing, Input
6	2	05007305	Cup, Bearing, Input
7	2	05007464	Cup, Bearing, Output
8	2	05007465	Cone, Bearing, Output
9	2	05007059	Retaining Ring
10	4	05010643	Bolt, .375-16 UNC x 1 Long
11	1	05007457	O-Ring, #269, 8.734 x 9.12 x .139, Vitron (For Cover)
12	---		Pipe Vent, Square Head
13	2	05007122	Plug, Hex Socket Pipe
14	2	05007456	Input Seal, 1 x 2.533 x .25
15		05007072	Shim, 2 x 2.406 x .2
16		05007466	Shim, 2 x 2.406 x .007
17		05007467	Shim, 2 x 2.406 x .005
18		05007468	Shim, 2 x 2.406 x .010
19	1	05007469	Socket Head Pipe Plug
20	2	05007455	Output Seal, 2.875 x 4.501 x .439
21	2	05007470	Internal Retaining Ring
22		05007471	Shim, 3.94 x 4.41 x .005
23		05007472	Shim, 3.94 x 4.41 x .010
24	1	05007458	Cap, Plug, Expansion, 4.5" Bore



05007427 GEARBOX, 25:1

Item	Qty	Part Number	Description
1	1		Worm Drive Assembly (<i>See next page</i>)
2	1	05007452	4-Bolt Hyd Adapter Kit
3	1	05007459	2" Dia. Shaft Output Kit
5	1	05007122	Hex Plug
6	1	05007460	Reducer
7	1	05007461	Pressure Relief
8	1	05007458	Expansion Plug

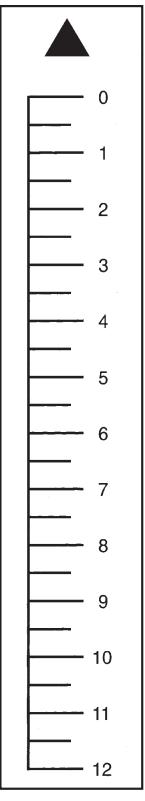


WORM DRIVE ASSEMBLY FOR 05007438 GEARBOX

Item	Qty	Part Number	Description
5	2	05007055	Cone, Bearing, Input
6	2	05007305	Cup, Bearing, Input
7	2	05007464	Cup, Bearing, Output
8	2	05007465	Cone, Bearing, Output
9	2	05007059	Retaining Ring
10	4	05010643	Bolt, .375-16 UNC x 1 Long
11	1	05007457	O-Ring, #269, 8.734 x 9.12 x .139, Vitron (For Cover)
12	---	05007458	Pipe Vent, Square Head
13	2	05007122	Plug, Hex Socket Pipe
14	2	05007456	Input Seal, 1 x 2.533 x .25
15		05007072	Shim, 2 x 2.406 x .2
16		05007466	Shim, 2 x 2.406 x .007
17		05007467	Shim, 2 x 2.406 x .005
18		05007468	Shim, 2 x 2.406 x .010
19	1	05007469	Socket Head Pipe Plug
20	2	05007455	Output Seal, 2.875 x 4.501 x .439
21	2	05007470	Internal Retaining Ring
22		05007471	Shim, 3.94 x 4.41 x .005
23		05007472	Shim, 3.94 x 4.41 x .010
24	1	05007458	Cap, Plug, Expansion, 4.5" Bore



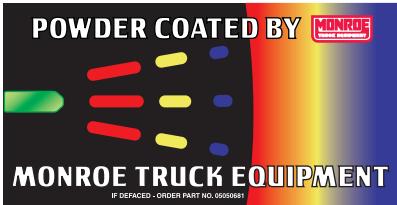
05051409



05051406



05051404



05052309



05052310



05052311



05051402



05051625

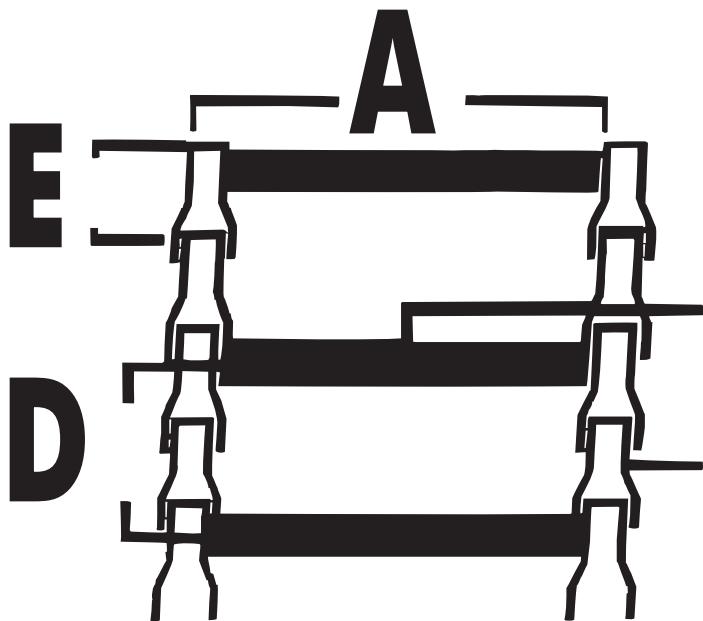
MONROE SPREADER

05051405

00058852 DECAL KIT, MV/MSV, W/POWDERCOAT

Item	Qty	Part Number	Description
1	1	05050681	Decal, Bonded Powder Coat
2	1	05051404	Decal, Caution, #1-#6
3	2	05051405	Decal, Monroe Spreader
4	3	05051406	Decal, Danger: Turn Power Off
5	1	05051407	Decal, Stay Clear, Wear Eye Protection
6	3	05052309	Decal, Danger, Moving Conveyor
7	1	05051409	Decal, Caution: Use Care When
8	1	05051410	Decal, Rear Door Ruler
9	1	05051625	Decal, Monroe Snow & Ice Control
10	1	05052311	Decal, Quality Check
11	1	05052310	Decal, Danger, Keep Guards In
12	4	05052885	Decal, Warning, Crush Hazard, 3 x 5 (Not shown)

ORDERING CUSTOM MADE CHAINS



A = Center to Center - this may be measured from the sprockets or from a piece of chain making sure to measure from equivalent points.

B = Bar Type, i.e., $1/4 \times 1\frac{1}{2}$, $3/8 \times 1\frac{1}{2}$, $1/4 \times 1$ or $1/4 \times 3/4$

C = Chain No., i.e. D662, D667X, D88K may be stamped in metal

D = Bar Spacing, i.e., every other link, every 3rd, every 4th

E = Pitch Size - This is measured from the center of one pin to the center of the next pin, i.e., D662 is 1.664"; D667X is 2.25"; D88K is 2.609"

Chain No.	Sprocket Ct. to Ct.	Bar Spacing	Bar Type	Pitch Size	Length # of Links	Qty



Service Bulletin

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Subject: Installing grease in White hydraulic motor sensor blocks

Description:

The sensor motor blocks that are installed between White hydraulic motors and gearboxes have an internal cavity that houses the pulse rotor on the motor shaft. This cavity is isolated from the motor and the gearbox, and the sensor components do not require any lubrication.

During the life of the motor and sensor block assembly, some moisture will work into the cavity and cause corrosion that can damage the sensor. Units disassembled in the field have been found to be severely corroded inside.

White provides a grease fitting on the sensor block to allow installation of grease for corrosion protection. The blocks must be filled with grease during initial installation and checked annually during operation. This Service Bulletin describes the proper method of installing grease in a sensor block.

Required Grease

Sensor blocks must be filled only with dielectric (non-conductive) grease. The use of grease containing electrically-conductive materials (graphite, etc.) will cause errors in the sensor pickup signal to the cab controller.

Proper Method of Grease Installation

The sensor pickup must be removed before grease is pumped into the sensor block. This allows the grease to flow in without pressurizing the sensor cavity. Pumping grease in the fitting without removing the pickup will build pressure in the cavity and may damage the shaft seals or the block isolation O-rings.

Frequency of Grease Installation

The block cavity must be filled during initial assembly and installation of the motor. No more than annually, the pickup should be removed and additional grease pumped into the block to insure it is filled. End users must be informed and reminded that this is not a lubrication point and must not be included in lubrication schedules for bearings and other frequently-lubricated components.

Bulletin #: SB-00306

Release Date: 04/02/14

Revision Date:

MTE Service Bulletin

Installing Grease in a White Motor Sensor Block



1. Remove the pickup from the sensor block.
2. If installing grease before the motor and sensor are installed on the gearbox, lightly clamp the sensor block to the motor with a C-clamp. This will prevent the grease from pushing the block away from the motor.
3. Attach a grease gun filled with dielectric grease to the grease fitting on the block.
4. Pump grease into the block until it can be seen at the pickup opening. It is not necessary for the block cavity to be completely full of grease.
5. Reinstall the pickup in the block.
6. Install the motor and sensor assembly on the gearbox.



Monroe Truck Equipment, Inc.
1051 W. 7th Street
Monroe, WI 53566

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HOW TO ORDER PARTS

To order or inquire about replacement parts, please contact the **distributor** or **store** that the product was purchased through. To speed the information flow, please have the following information ready:

- Model Number
- Serial Number
- Part Number and/or description as per the parts manual
- Quantity needed

For further information about **Monroe Truck Equipment** replacement parts, please call 800-880-0109 and ask for **Snow & Ice Parts Sales**.

RETURN POLICY

Merchandise returned to **Monroe Truck Equipment** must have a Returned Goods Authorization (RGA) form filled out completely and signed by authorized personnel. To get your RGA form, call 800-880-0109. For whole goods, ask for **Snow & Ice Sales**. For replacement parts, ask for **Snow & Ice Parts Sales**. All returned items are subject to a 15% restocking fee and must be sent freight prepaid!



1051 West 7th Street
Monroe, WI 53566
608-328-8127 ~ Fax: 608-328-4278

Warranty Policy

Uninstalled Parts and Equipment Provided by Monroe Truck Equipment

Monroe Truck Equipment will provide the following limited warranty for a period of one year to the original purchaser of all uninstalled goods provided by Monroe Truck Equipment:

LIMITED WARRANTY: All goods provided by Monroe Truck Equipment (MTE) will be free from defects in material and workmanship for a period of one year from the date of purchase by the original purchaser. This limited warranty shall be the sole and exclusive remedy for any such product found to be defective. This limited warranty supercedes all previous warranties and is exclusive and in lieu of all other warranties, whether expressed or implied.

This limited warranty applies only to parts or accessories manufactured by MTE and/or provided by same. Except with respect to title, this limited warranty does not pertain to parts or accessories not manufactured and/or provided by MTE, regardless of whether such parts or accessories were selected and/or recommended by MTE. MTE will, as a service to the buyer, pass on any warranties received from the original manufacturer of MTE provided parts and/or accessories.

MTE will not under any circumstances be liable for any incidental or consequential damages whether in tort, contract, or otherwise, for any bodily injury, death, property damage, loss of use, or loss of income resulting from or in any way arising out of any goods provided by MTE, or their sale, use, or manufacture.

Any warranty claim deemed to be arising from the result of misuse, abuse, neglect, accident, improper installation, lack of maintenance, act of war (whether declared or otherwise), or act of God will be denied. Any repair or modification by the buyer or any third party, without the prior written consent of MTE, will void any possible warranty compensation. Any damage deemed to be the result of abnormal operation will not be compensated by this warranty.

Normal or special maintenance items such as fuels, fluids, tires, belts, hoses, filters, air cleaners, light bulbs, and any other items subject to normal wear and tear that are supplied in connection with goods provided by MTE are not allowed under this warranty.

All engines, pumps, cylinders, valves, and motors are warranted by their manufacturer and not by Monroe Truck Equipment. The manufacturer's warranty will apply to these parts. Electrical and hydraulic components are not to be disassembled without the express written consent of MTE. Any disassembly of MTE provided components without prior authorization will void the applicable warranty.

Monroe Truck Equipment shall be the sole and final determining authority as it applies to the administration of this warranty policy. Purchaser acknowledges receipt of Monroe Truck Equipment Warranty Policy and agrees to be bound by same.



GLOBAL SOLUTIONS
ARMORED VEHICLES ~ SPORT TRUCK CONVERSIONS
MUNICIPAL SNOW & ICE CONTROL ~ FIRE APPARATUS
PICKUP TRUCK ACCESSORIES ~ TRUCK EQUIPMENT/MODIFICATIONS





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Any and all warranty claims must be forwarded to MTE within 10 days of defect discovery. A copy of the original Monroe Truck Equipment invoice as well as the manufacturer's model number, serial number, and date of installation must accompany all correspondence regarding said claims. MTE will, at their option, choose whether to repair or replace the defective part unless otherwise specified by the original manufacturer of said part.

Procedures for Warranty Claims Notification

For submission of any warranty claim please contact Monroe Truck Equipment – Warranty Department at 800-356-8134

The following documentation will be needed when you call for initial warranty authorization:

1. A copy of the original MTE invoice.
2. Make, Model, and VIN or Serial Number of the equipment involved.
3. Part number and serial number of the part in question.
4. A complete description of the problem.

The following must accompany any claim submitted to Monroe Truck Equipment:

1. Documented photographs of any physical damage.
2. Inspection notes by MTE personnel or MTE authorized 3rd party.
3. Authorization number issued by Monroe Truck Equipment – Warranty Department.

Defective parts must be returned to Monroe Truck Equipment (freight prepaid) within 30 days of issuance of Authorization Number.

Monroe Truck Equipment reserves the right to void any warranty for failure to comply with Monroe Truck Equipment Warranty Policy.

This policy is effective October 11, 2012

