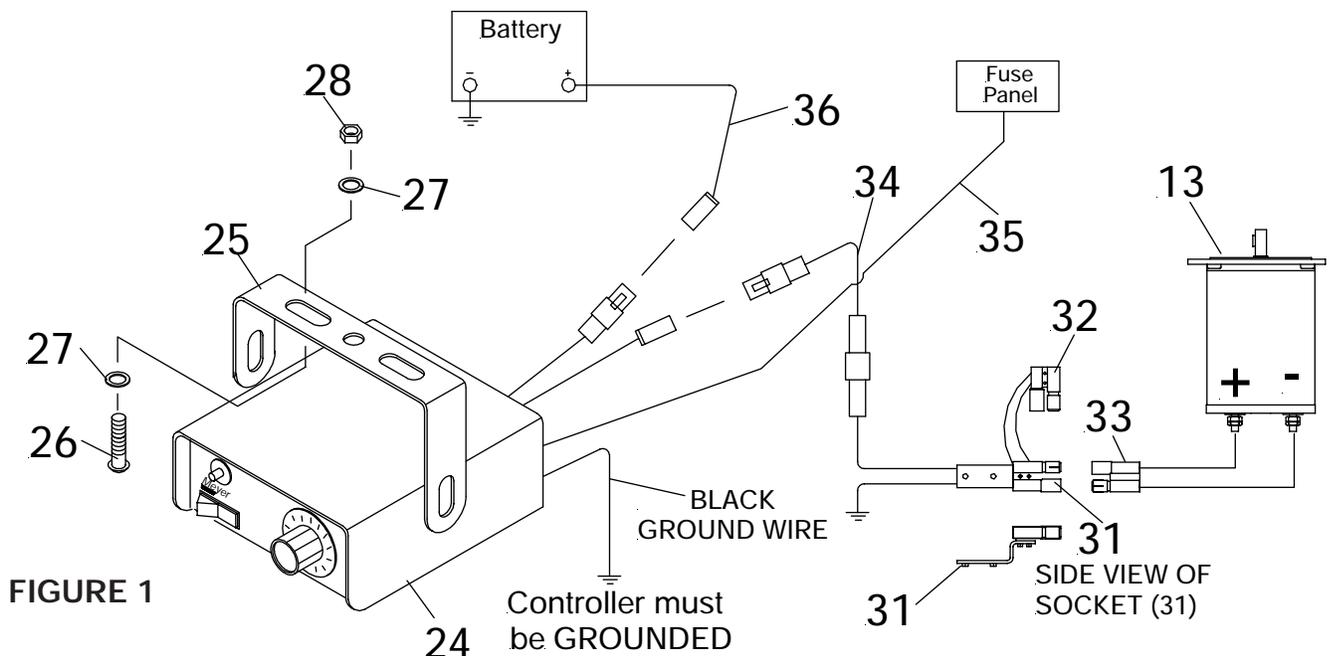


## PARTS & INSTALLATION INSTRUCTIONS

### MEYER MINI SPREADER

#### PARTS LIST

Item	Part No.	Qty.	Description	Item	Part No.	Qty.	Description
	36000	1	<b>MINI SPREADER COMPLETE</b>	23	07243	1	• <b>Stop Light</b>
1	36126	1	• Tailgate Tie Angle		36244	1	• <b>Speed Control Assembly</b>
2	36125	1	• Spreader Frame Tie Angle	24		1	•• Speed Control
	36130	1	• <b>Spreader Assembly</b>	25		1	•• Mounting Bracket
3	36425	1	•• Hopper - Black	26		2	•• Machine Screw, Rd Hd 8-32 x 1"
3	36213	1	•• Hopper - Yellow	27		4	•• Flatwasher #8
4	36426	1	•• Hopper Cover - Black	28		2	•• Hex Nut 8-32
4	36225	1	•• Hopper Cover - Yellow		36258	1	• <b>Carton - Miscellaneous Parts</b>
5	36256	1	•• Frame Weldment		36401	1	•• Template
6	36428	1	•• Spinner Band Poly	28	14841	2	•• Mounting Angle
7	20049	1	•• Bolt H 3/8-16 x 1" Gr. 2	30	36127	2	•• Brace
8	20314	1	•• Locknut 3/8	31	36240	1	•• Socket Assy. w/Mtg. Plate
9	20353	1	•• Flatwasher 3/8	32	36248	1	••• Dummy Plug
10	20005	4	•• Bolt H 1/4-20 x 1" Gr. 2	33	36241	1	•• Plug Assembly
11	20351	4	•• Flatwasher 1/4	34	36242	1	•• Wire, Red, 222"
12	20312	7	•• Locknut 1/4	35	36229	1	•• Wire, Blue 36"
	08729	1	<b>Motor Kit - Service</b>	36	36247	1	•• Wire, Red, 96"
13	36402	1	••• Motor 12V D.C.		36246	1	•• <b>HARDWARE BAG</b>
	36401	1	••• Template	37	20005	4	••• Bolt H 1/4-20 x 1"
	08730	1	••• Hardware Bag	38	20049	4	••• Bolt H 3/8-16 x 1"
14	20029	4	•••• Bolt H 5/16-18 x 1-1/2" Gr.2	39	20203	5	••• Bolt C 3/8-16x 1-1/4"
15	20352	4	•••• Washer 5/16	40	20312	4	••• Locknut 1/4"
16	20313	4	•••• Locknut 5/16-18	41	20314	9	••• Locknut 3/8"
	36165	1	<b>Spinner - Auger Assembly</b>	42	20353	7	••• Flatwasher 3/8"
17	36151	1	••• Auger Weldment	43	20835	2	••• Screw-Rd. Hd.8-32 x 1"
18	36152	1	••• Spinner Hub Weldment	44	20843	2	••• Locknut 8-32
19	21834	1	••• Set Screw 3/8-24 x 3/8 Cup Pt.				
	08757	1	<b>Spinner Kit (Poly)</b>				* Items No. 3 through 20 are pre-assembled and shown in the exploded view for parts identification only.
20	36414	1	••• Spinner Plate (Poly)				
21	20005	3	••• Bolt H 1/4-20 x 1" Gr. 2				
22	20303	3	••• Locknut 1/4 Esna				



Meyer Products reserves the right, under its continuing product improvement program, to change construction or design details, specifications and prices without notice or without incurring any obligation.

## GENERAL INFORMATION

**CAUTION:** Always disconnect battery before beginning installation.

Check contents against the parts list to determine all are correct and included, and also to familiarize yourself with them.

Locknuts are furnished. **DO NOT tighten bolts and nuts until** installation is complete (unless otherwise specified), then be sure to tighten all attaching parts per specified torque chart.

When ordering parts, furnish Part No., Name and Description.

## INSTALLATION INSTRUCTIONS

**NOTE:** For the best installation, we recommend that the vehicle be equipped with a step bumper or a drawbar. If not available, adapt Mounting Angles to vehicle frame so as to provide a lower support for the Spreader Frame. Relocate license plate holder and lights if blocked by any part of the Spreader.

During installation where metal touches metal, a gasket should be used to help prevent any possible paint damage to the vehicle.

### A. ASSEMBLE AND INSTALL ANGLES AND BRACES. Refer to Figure 2.

1. Locate center of tailgate and scribe a chalk mark as a guide for centering the Spreader.
2. Follow steps on Figure 2 to assemble Angles and Braces (1, 2 and 30).

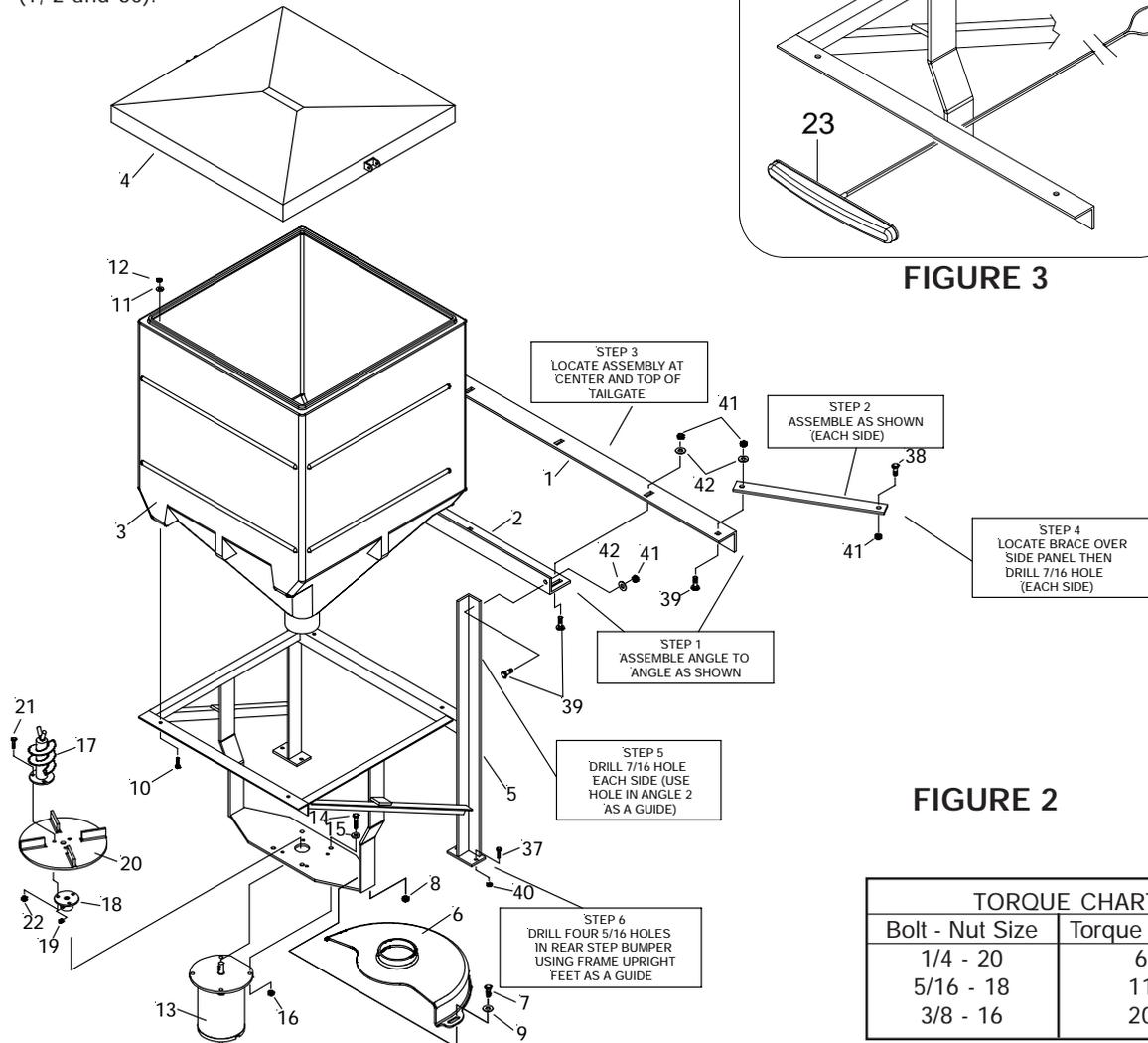


FIGURE 3

FIGURE 2

TORQUE CHART	
Bolt - Nut Size	Torque Ft. Lbs.)
1/4 - 20	6.0
5/16 - 18	11.0
3/8 - 16	20.0

### B. INSTALL SPREADER ASSEMBLY. Refer to Figure 2.

Refer to Figure 2.

1. Position Spreader Assembly on rear step bumper and align Frame uprights with drill holes in Angle (2). Make certain Frame uprights are vertical, then adjust Angle to stop against Spreader Frame. Tighten nuts securely.
2. Follow steps 5 and 6 on Figure 2 to install Spreader Frame Weldment (5) to Angle (2).
3. Tighten all Bolts and Nuts securely.

### C. HIGH STOP LAMP (CHMSL). Refer to Figure 3.

1. Assemble STOP LIGHT to back angle on frame weldment (5) by removing adhesive backing from light and attaching to angle as per Figure 3.

**CAUTION:** DO NOT splice into the rear stop lamp circuit to feed the CHMSL. Contact your local dealer for information on where and how to splice into the brake light circuit.

- D. If routing wire underbody to the rear of the chassis, it is recommended to route the wire to the inside of vehicle frame rail. Secure the wire to the frame or OEM harness with appropriate strapping or fasteners.

**NOTE: SEE CAUTION.** Be certain all wires are securely installed away from the exhaust system.

## E. ELECTRICAL INSTALLATION. Refer to Figure 1.

### CAUTION

**READ THIS ! . . Serious damage to Speed Control will result if the following precautions are not followed:**

- 1] Do not install Speed Control until all other wiring is installed and Motor is test-run.
- 2] Be certain to connect red wire to (+) terminal of Motor. Connecting to (-) terminal will burn up Speed Control Tape this (+) connection so it cannot accidentally be grounded.
- 3] After wires are in place, but before connecting Speed Control, connect a jumper wire from the red wire #36 to the red wire #34. The motor should run, indicating proper grounding and wire installation. Remove jumper wire.
- 4] After the Motor has successfully been test run, the Speed Control can be installed. Do not allow the red wire from the control to accidentally contact any grounded object, including the control case itself.

**Failure to follow these precautions could cause the red (output) wire from the Speed Control to make contact with ground, causing the transistor to burn up. Any grounding or shorting of the red (output) wire which results in a burned transistor is not covered by warranty.**

- 1 Choose a location for the speed control (24) that is convenient for the driver, noting whether mounting bracket will be attached to the top or bottom of speed control (24). Attach mounting bracket (25) to vehicle using Round Head Machine Screws (26), flatwashers (27), and hex nut (28). Make certain speed control (24) is grounded by attaching ground wire to a good vehicle ground.
2. Route the blue wire (35) from the speed control location to the vehicle fuse panel and attach to a switched terminal on the panel. This terminal must only be "hot" when the ignition switch is "on." **DO NOT** attach blue wire to speed control at this time.
3. Attach the eyelet end of the 96" red wire (36) to the positive terminal of the battery and route the plug end to the location of the speed control. **DO NOT attach to** speed control at this time.
4. Take the 222" red wire (34) and route the large rubber plug end to the rear of the truck, securely tying to vehicle frame. Be certain wire is clear of any sharp or moving objects or the vehicle's exhaust system.

**CAUTION:** Some vehicles are designed to operate with exhaust temperatures as high as 1800<sup>0</sup>F. This can easily damage any wires which are routed too closely or allowed to come in contact with any portion of the exhaust system. Be certain all wires are securely installed away from the exhaust system.

5. Attach the socket (31) to vehicle bumper or other solid mounting point using #8-32 x 1" screws (43) and #8-32 locknuts (44). Be certain the motor leads will not be strained when the plug (33) is attached. Plug the 222" red wire (34) into the socket. Secure black wire from socket to a good grounding point on vehicle frame. Clean all rust or undercoating from this area.
6. Attach red wire from motor plug (33) to positive "+" terminal of motor. Tape this connection! Attach black wire to negative "-" terminal of motor. Push plug (33) into the socket (31). If spreader is removed, protect the socket (31) using dummy plug (32).
7. Perform the motor run test as described in paragraphs 3 and 4 of the "Caution" above. If the motor operates the 36" blue wire (35), 222" red wire (34) and 96" red wire (36) can be attached to their respective terminals on the speed control (24).

## F. OPERATION OF MINI SPREADER

1. Fill Hopper with #1 Rock Salt or Calcium Chloride from bags. **Do not use bulk material.**

**CAUTION:** When filling Hopper, make certain there are no large objects contained in the material which could cause the Auger Spinner to bind and stop operation of the Spreader Motor. If this should happen, the circuit breaker becomes overloaded and will automatically break the circuit. Allow the Motor to cool and clear the Auger before pushing the reset button.

2. It is recommended to check for free rotation of the Auger Spinner before operating the Spreader due to possible buildup of material between the Auger and neck of the Hopper.

## G. MAINTENANCE INSTRUCTIONS

Maintenance requirements for the Spreader during the winter season are relatively simple. Periodically inspect for loose bolts and nuts. Inspect for improper ground, broken wires, frayed or cracked wire insulation. Replace as necessary.

To keep maintenance to a minimum, the following cautions are suggested:

1. Do not attempt to clear Auger or Spinner or to perform any other maintenance or repair work on this Spreader unless the ignition switch is in the "OFF" position.
2. Salt must be loose and free from lumps and must be kept dry.
3. Empty Hopper after each use and hose the Spreader off.
4. When the Spreader is no longer being used, remove it from the tailgate. Remove any rust or corrosion from the metal parts, then prime the paint. It is recommended to detach 96" red wire (36) to prevent activation when not required. Store Spreader in a suitable location and attach dummy plug (32) to socket (31) to protect from corrosion.

**Meyer Products assumes no responsibility for installations not made in accordance with these instructions.**