

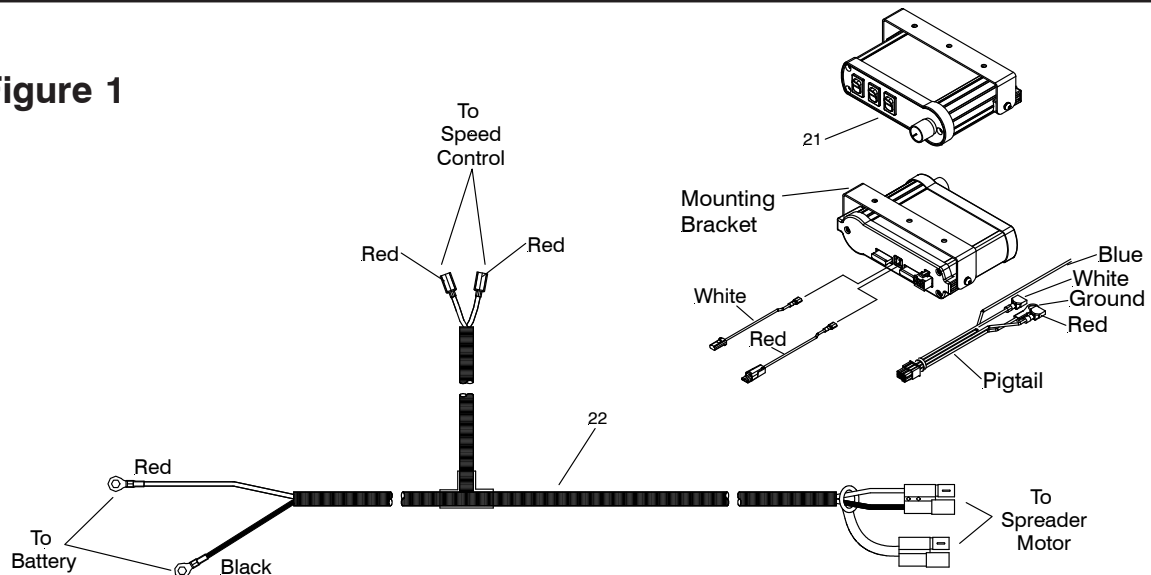
PARTS & INSTALLATION INSTRUCTIONS

MEYER 5.75 MINI SPREADER

PARTS LIST

Item	Part No.	Qty.	Description	Item	Part No.	Qty.	Description
	36006	1	MINI SPREADER COMPLETE	21	36244	1	• Speed Control Assembly
	36386	1	• Spreader Assembly	22	34106	1	• Harness
1	36385	1	•• Hopper - Black		36404	1	• Reese Hitch Carton
2	36426	1	•• Hopper Cover - Black	23	36387	1	•• Reese Hitch Weld
3	36384	1	•• Frame Weldment		36405	1	•• Hardware Bag
4	36428	1	•• Spinner Band Poly	24	20097	4	••• Bolt H 1/2-13 x 2"
5	20049	1	•• Bolt H 3/8-16 x 1" Gr. 2	25	20307	4	••• Locknut 1/2-13
6	20314	1	•• Locknut 3/8	26	11101	1	••• Hinge Pin
7	20353	1	•• Flatwasher 3/8	27	22083	1	••• Linch pin
8	20006	4	•• Bolt H 1/4 - 20 x 1-1/4" Gr. 2	• Parts indented are included in carton, bag or assembly under which they are indented.			
9	20351	4	•• Flatwasher 1/4				
10	20312	4	•• Locknut 1/4				
	08729	1	Motor Kit - Service				
11	36402	1	••• Motor 12V D.C.				
	36401	1	••• Template				
	08730	1	••• Hardware Bag				
12	20029	4	•••• Bolt H 5/16 - 18 x 1-1/2" Gr.2				
13	20313	4	•••• Washer 5/16				
14	20352	4	•••• Locknut 5/16-18				
	36165	1	Spinner - Auger Assembly				
15	36151	1	••• Auger Weldment				
16	36152	1	••• Spinner Hub Weldment				
17	21834	1	••• Set Screw 3/8-24 x 3/8 Cup Pt.				
	08757	1	Spinner Kit (Poly)				
18	36414	1	••• Spinner Plate (Poly)				
19	20005	3	••• Bolt H 1/4 - 20 x 1" Gr. 2				
20	20303	3	••• Locknut 1/4 Esna				

Figure 1



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.

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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

- A. Assemble Reese Hitch (23) to Frame Weldment (3) using 1/2-13 x 2" Bolt (24) and 1/2-13 Locknut (25).
- B. Slide Spreader Assembly into Reese receiver hitch on vehicle and insert Hinge Pin (26) through corresponding hole on receiver and Hitch Weldment (23). Secure Hinge Pin with Linch Pin (27).
- C. Tighten all bolts to their required torque using the chart below.
- D. ELECTRICAL INSTALLATION. Refer to Figure 1.

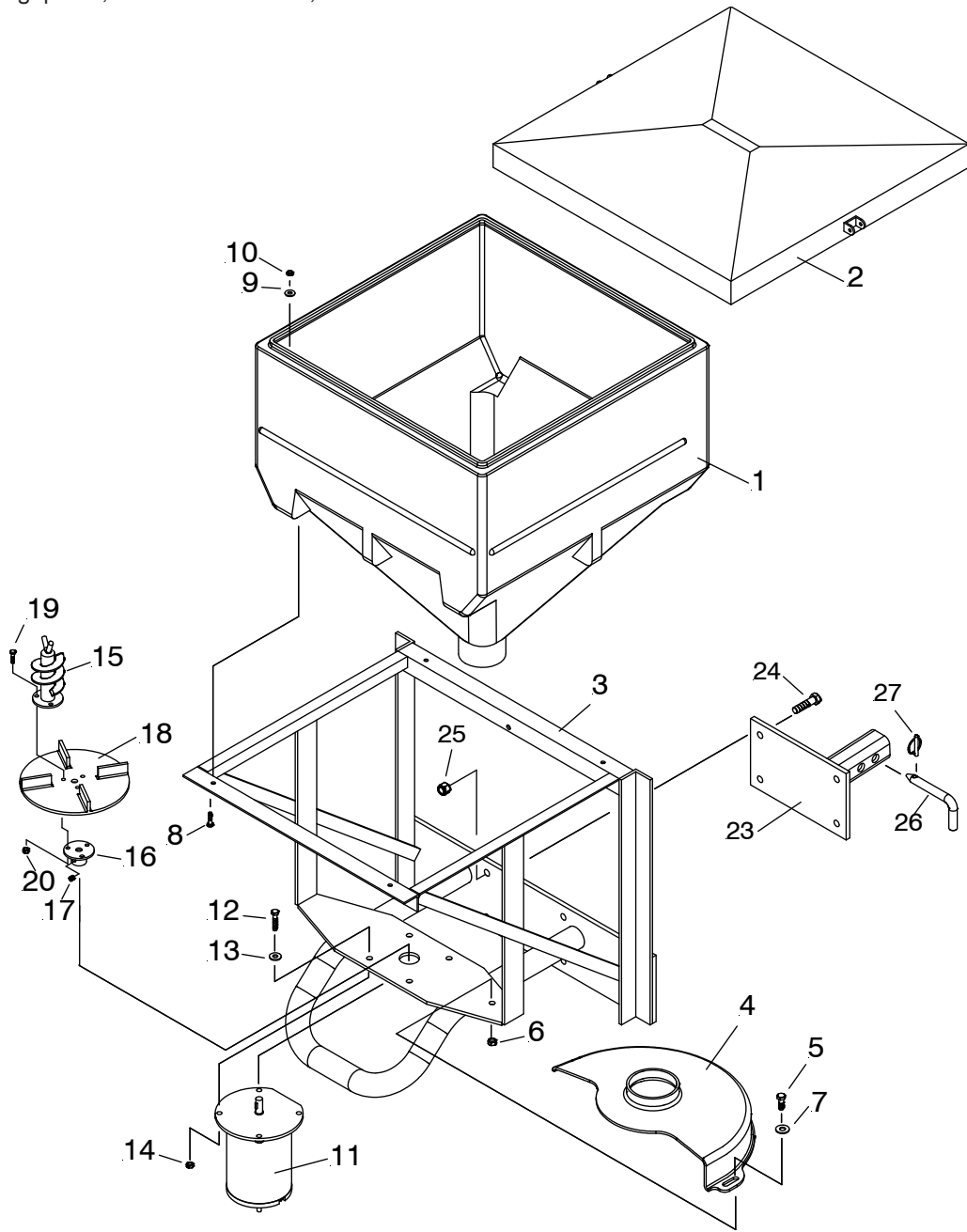


Figure 2

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

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 to both red wires. 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.) Locate the wire harness and begin to route it from the rear of the vehicle to the front. The molded rubber plug indicates the rear of the harness, closest to the spreader. Use frame holes and frame supports as lashing points. Do not attach to fuel or brake lines. Avoid wire-runs along exhaust system or hot engine parts. Melting damage to the harness can occur in the proximity of extreme heat.
- 2.) Mount the rubber plug under the rear bumper. Position this plug toward the center of the vehicle.
- 3.) Place the Harness portion that connects to the battery along the firewall and fender well, but do not connect yet.
- 4.) Drill a 1" diameter hole through the firewall. This hole will be used to route the controller portion of the harness into the vehicle. Before drilling always check to see what is on the other side.
- 5.) Push the controller portion of harness through the hole in the firewall that was previously drilled. NOTE: The controller end will have 2 plugs on it, but only 1 plug can pass through the firewall at a time.
- 6.) Move to engine compartment. Connect power leads to battery: RED WIRE (+) positive, BLACK WIRE (-) negative. Coat the connections with dielectric grease to prevent corrosion and build up. Check harness marked 'battery' for voltage by temporarily removing the red tape affixed to it.
- 7.) Connect the blue wire from pigtail to brake light. Connect white wire from pigtail to optional vibrator harness if equipped. Connect red wire on pigtail to a 12 volt keyed accessory. Connect black ground wire to ground. Connect white jumper wire to the back of the controller marked motor white wire. Connect red jumper wire to the back of the controller marked

battery red wire wire. The two red wires from the main connector can now be connected to the two jumper wires. (Note: wires will only connect one way)

ANY ATTEMPT TO JOIN THE CONNECTORS IMPROPERLY, FOR EXAMPLE MALE TO MALE, COULD SHORT OUT THE CONTROLLER.

Misconnection resulting in a damaged controller is not covered by warranty.

- 8.) Select a suitable location to mount the controller. After mounting verify that the power switch is in the off position.
- 9.) Coil excess wire and use wire ties to secure it to a safe location.
- 10.) Mate the plug coming from the spreader unit to the plug previously installed under the rear bumper.
- 11.) Make sure that feed screw/spinner area of the spreader is clear of obstructions. Turn power on at the controller and verify that the spreader is operating in all modes. Looking down on the impeller from the rear of the vehicle, determine that the impeller is turning counter-clockwise. Unit may now be operated.

E. 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.

F. 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.