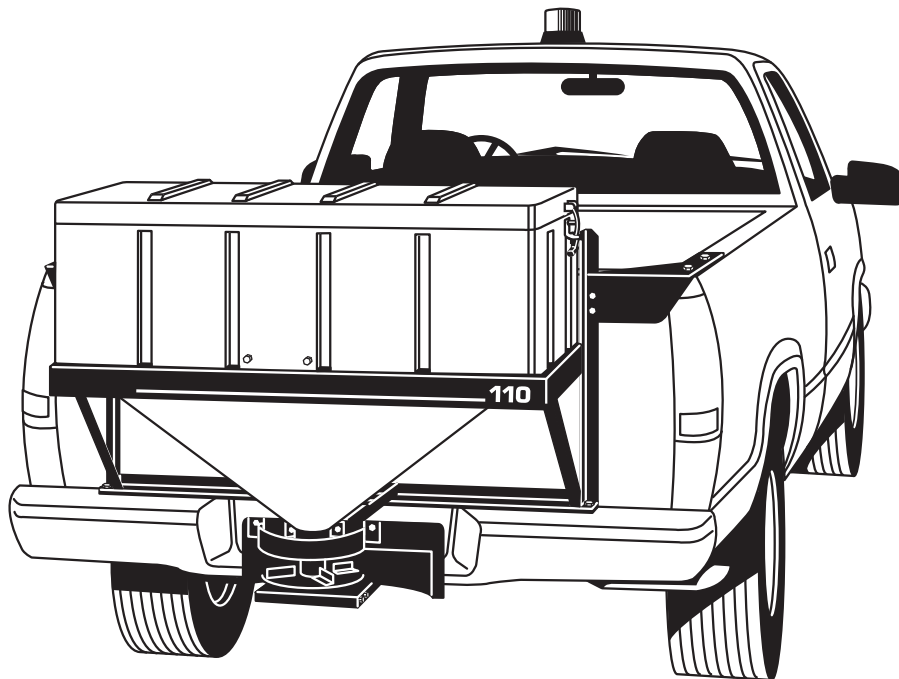




Low-Profile Tailgate Spreader

Model 110, 1000 & 2000

Owner's Manual
Original Instructions



⚠ CAUTION

Read this document before operating
or servicing the spreader.

This manual is for FISHER® Model 110, 1000 & 2000 Low-Profile Tailgate Spreaders with serial numbers 7192 and higher (Model 110), 10001–10002 (Model 1000), and 20237–20363 (Model 2000).

This manual supersedes all editions with an earlier date.

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PREFACE

This manual has been prepared to acquaint you with the safety information, operation, and maintenance of your new tailgate spreader. Please read this manual carefully and follow all recommendations. This will help ensure profitable and trouble-free operation of your spreader. Keep this manual accessible. It is a handy reference in case minor service is required.

When service is necessary, bring your spreader to your distributor. They know your spreader best and are interested in your complete satisfaction.

NOTE: This spreader is designed to spread snow and ice control materials only. Do not use it for purposes other than those specified in this manual.

Register your spreader online at www.fisherplows.com

OWNER'S INFORMATION

Owner's Name: _____

Date Purchased: _____

Outlet Name: _____ Phone: _____

Outlet Address: _____

Vehicle Model: _____ Year: _____

Spreader Type (Model): _____ Serial #: _____

Length: _____ Weight: _____ lb/kg: _____

SAFETY

SAFETY DEFINITIONS

⚠ WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

⚠ CAUTION

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

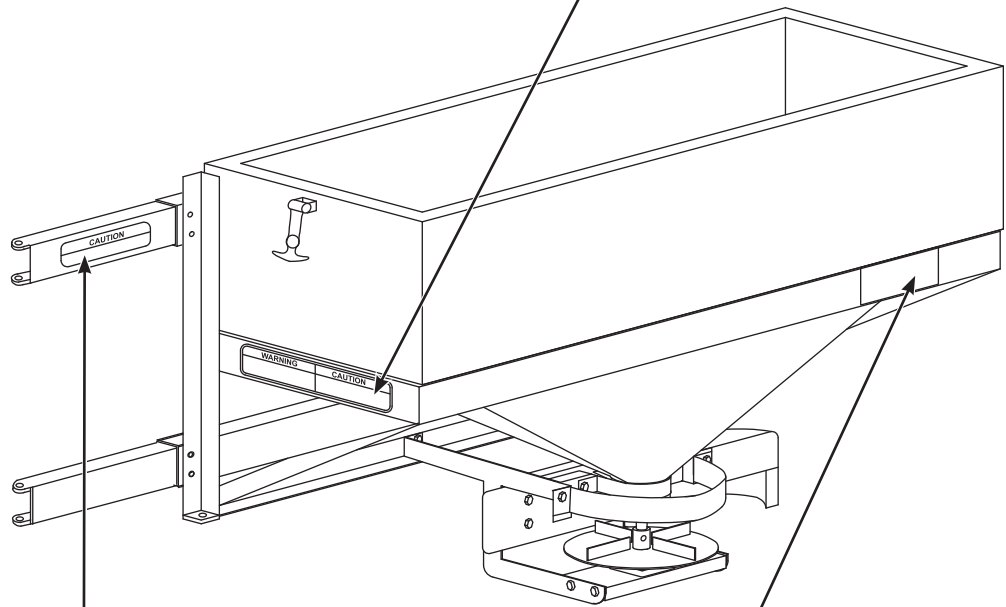
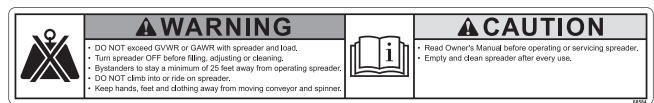
NOTE: Indicates a situation or action that can lead to damage to your spreader and vehicle or other property. Other useful information can also be described.

WARNING/CAUTION LABELS

Become familiar with and inform users about the warning and caution labels on the spreader.

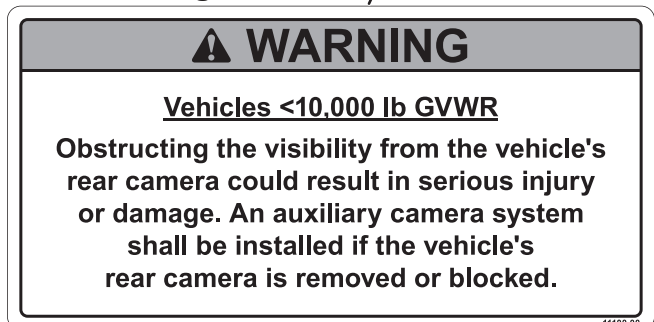
NOTE: If labels are missing or cannot be read, see your sales outlet.

Warning and Caution Label (both sides)



Caution Label (both sides, SWING AWAY® mount only)

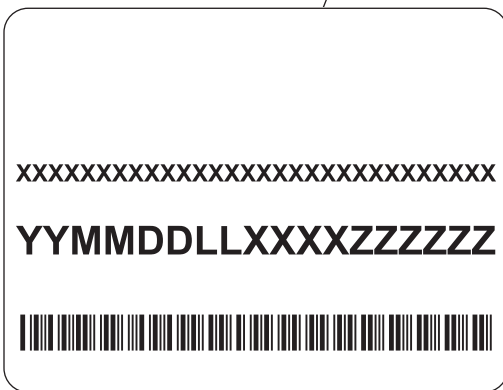
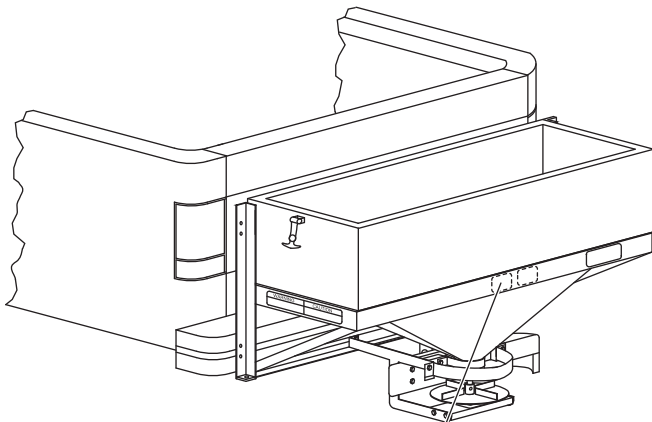
Warning Label



11100.00

SAFETY

SERIAL NUMBER LABEL



| Code | Definition |
|-------|---------------------------|
| YY | 2-Digit Year |
| MM | 2-Digit Month |
| DD | 2-Digit Day |
| LL | 2-Digit Location Code |
| XXXX | 4-Digit Sequential Number |
| ZZZZZ | 5- to 7-Digit Assembly PN |


SAFETY PRECAUTIONS

Improper installation and operation could cause personal injury and/or equipment and property damage. Read and understand labels and the Owner's Manual before installing, operating, or making adjustments.

⚠ WARNING

- Driver to keep bystanders minimum of 25 feet away from operating spreader.
- Before working with the spreader, secure all loose-fitting clothing and unrestrained hair.
- Before operating the spreader, verify that all safety guards are in place.
- Before servicing the spreader, wait for conveyor, auger, and spinner to stop.
- Do not climb into or ride on spreader.

⚠ WARNING



Overloading could result in an accident or damage. Do not exceed GVWR or GAWR ratings as found on the driver-side vehicle door cornerpost. See Loading section to determine maximum volumes of spreading material.

⚠ WARNING

Do not install the control for this product in the deployment path of an air bag. Refer to vehicle manufacturer's manual for air bag deployment area(s).

⚠ WARNING

Vehicles <10,000 lb GVWR: Obstructing the visibility from the vehicle's rear camera could result in serious injury or damage. An auxiliary camera system shall be installed if the vehicle's rear camera is removed or blocked.

⚠ CAUTION

If rear directional, CHMSL light, or brake stoplights are obstructed by the spreader, the lights shall be relocated, or auxiliary directional or brake stoplights shall be installed.

SAFETY

⚠ CAUTION

- Do not operate a spreader in need of maintenance.
- Before operating the spreader, reassemble any parts or hardware removed for cleaning or adjusting.
- Before operating the spreader, remove materials such as cleaning rags, brushes, and hand tools from the spreader.
- Before operating the spreader, read the engine owner's manual, if so equipped.
- While operating the spreader, use auxiliary warning lights, except when prohibited by law.
- Tighten all fasteners according to the Torque Chart. Refer to Torque Chart for the recommended torque values.

⚠ CAUTION

Disconnect electric and/or hydraulic power and tag out if required before servicing or performing maintenance.

⚠ CAUTION



DO NOT leave unused material in hopper. Material can freeze or solidify, causing unit to not work properly. Empty and clean after each use.

NOTE: Lubricate grease fittings after each use. Use a good quality multipurpose grease.

FUSES

The electrical system contains several automotive-style fuses. If a problem should occur and fuse replacement is necessary, the replacement fuse must be of the same type and amperage rating as the original. Installing a fuse with a higher rating can damage the system and could start a fire. Fuse Replacement, including fuse locations, is located in the Maintenance section of this Owner's Manual.

PERSONAL SAFETY

- Remove ignition key and put the vehicle in PARK or in gear to prevent others from starting the vehicle during installation or service.
- Wear only snug-fitting clothing while working on your vehicle or spreader.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from battery acid, gasoline, dirt, and dust.
- Avoid touching hot surfaces such as the engine, radiator, hoses, and exhaust pipes.
- Always have a fire extinguisher rated BC handy, for flammable liquids and electrical fires.

FIRE AND EXPLOSION

⚠ WARNING

Gasoline is highly flammable and gasoline vapor is explosive. Never smoke while working on vehicle. Keep all open flames away from gasoline tank and lines. Wipe up any spilled gasoline immediately.

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

CELL PHONES

A driver's first responsibility is the safe operation of the vehicle. The most important thing you can do to prevent a crash is to avoid distractions and pay attention to the road. Wait until it is safe to operate Mobile Communication Equipment such as cell phones, text messaging devices, pagers, or two-way radios.

SAFETY

VENTILATION

⚠ WARNING

Vehicle exhaust contains lethal fumes. Breathing these fumes, even in low concentrations, can cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.

BATTERY SAFETY

⚠ CAUTION

Batteries normally produce explosive gases which can cause personal injury. Therefore, do not allow flames, sparks, or lit tobacco to come near the battery. When charging or working near a battery, always cover your face and protect your eyes, and also provide ventilation.

- Batteries contain sulfuric acid, which burns skin, eyes, and clothing.
- Disconnect the battery before removing or replacing any electrical components.

NOISE

Airborne noise emission during use is below 70 dB(A) for the spreader operator.









VIBRATION

Operating spreader vibration does not exceed 2.5 m/s² to the hand-arm or 0.5 m/s² to the whole body.

TORQUE CHART

⚠ CAUTION

Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the Torque Chart. Use standard methods and practices when attaching spreader, including proper personal protective safety equipment.

| Recommended Fastener Torque Chart | | | | | |
|--|---|--|------------|---|--|
| Inch Fasteners Grade 5 and Grade 8 | | | | | |
| Size | Torque (ft-lb) | | Size | Torque (ft-lb) | |
| |  Grade 5 |  Grade 8 | |  Grade 5 |  Grade 8 |
| 1/4-20 | 8.4 | 11.9 | 9/16-12 | 109 | 154 |
| 1/4-28 | 9.7 | 13.7 | 9/16-18 | 121 | 171 |
| 5/16-18 | 17.4 | 24.6 | 5/8-11 | 150 | 212 |
| 5/16-24 | 19.2 | 27.3 | 5/8-18 | 170 | 240 |
| 3/8-16 | 30.8 | 43.6 | 3/4-10 | 269 | 376 |
| 3/8-24 | 35.0 | 49.4 | 3/4-16 | 297 | 420 |
| 7/16-14 | 49.4 | 69.8 | 7/8-9 | 429 | 606 |
| 7/16-20 | 55.2 | 77.9 | 7/8-14 | 474 | 669 |
| 1/2-13 | 75.3 | 106.4 | 1-8 | 644 | 909 |
| 1/2-20 | 85.0 | 120.0 | 1-12 | 704 | 995 |
| Metric Fasteners Class 8.8 and 10.9 | | | | | |
| Size | Torque (ft-lb) | | Size | Torque (ft-lb) | |
| |  Class 8.8 |  Class 10.9 | |  Class 8.8 |  Class 10.9 |
| M6 x 1.00 | 7.7 | 11.1 | M20 x 2.50 | 325 | 450 |
| M8 x 1.25 | 19.5 | 26.9 | M22 x 2.50 | 428 | 613 |
| M10 x 1.50 | 38.5 | 53.3 | M24 x 3.00 | 562 | 778 |
| M12 x 1.75 | 67 | 93 | M27 x 3.00 | 796 | 1139 |
| M14 x 2.00 | 107 | 148 | M30 x 3.50 | 1117 | 1545 |
| M16 x 2.00 | 167 | 231 | M33 x 3.50 | 1468 | 2101 |
| M18 x 2.50 | 222 | 318 | M36 x 4.00 | 1952 | 2701 |
| These torque values apply to fasteners except those noted in the instructions. | | | | | |

LOADING

This Owner's Manual covers vehicles that have been recommended for carrying the tailgate spreader. Please see your local dealer for proper vehicle applications.

CERTIFICATION

⚠ WARNING

New untitled vehicle installation of a spreader requires National Highway Traffic Safety Administration altered vehicle certification labeling. Installer to verify that struck load of snow or ice control material does not exceed GVWR or GAWR rating label and complies with FMVSS.

⚠ WARNING

Overloading could result in an accident or damage. Do not exceed GVWR or GAWR as found on the driver-side cornerpost of vehicle.

⚠ CAUTION

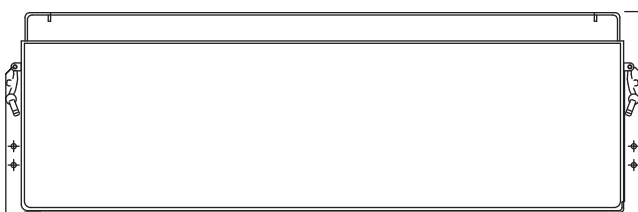
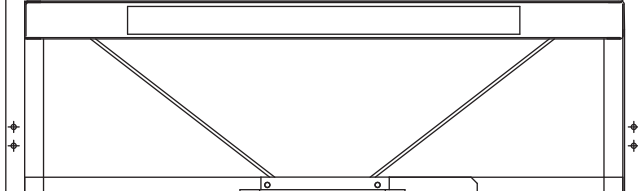
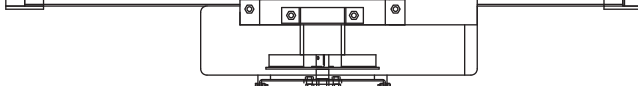


Read and adhere to manufacturer's ice-control material package labeling, including Material Safety Data Sheet requirements.

MATERIAL WEIGHTS

| Material | Density | | |
|----------|-----------------------|-----------------------|----------------------|
| | (lb/ft ³) | (lb/yd ³) | (kg/m ³) |
| Salt | 80 | 2160 | 1282 |
| Sand | 100 | 2700 | 1602 |

Material densities are approximate and are based on dry, loose material. It is the responsibility of the operator to know the weight of the material to be spread and the vehicle carrying capacity.

| | Model 110 | Model 1000 | Model 2000 |
|---|---------------------|---------------------|----------------------|
|  | 9.0 ft ³ | 8.0 ft ³ | 10.6 ft ³ |
|  | 5.4 ft ³ | 5.9 ft ³ | 7.2 ft ³ |
|  | 1.8 ft ³ | 3.1 ft ³ | 3.1 ft ³ |

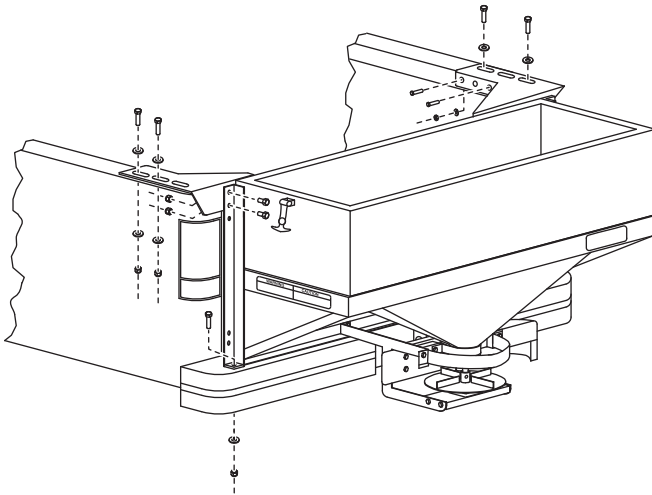
MOUNTING THE SPREADER

⚠ CAUTION

During removal or mounting, securely grip spreader to avoid dropping.

NOTE: The spreader shall be installed according to instructions supplied. Your local outlet is trained to provide this service and service your spreader with factory original parts.

FIXED MOUNT SPREADER

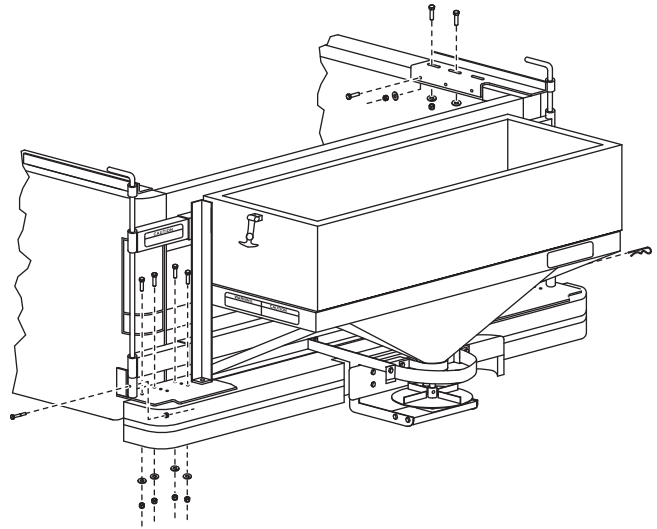


1. Install the left and right top brackets to the truck bed rail with two 1/2" cap screws, four 1/2" flat washers, and two 1/2" locknuts per side. Secure the small mounting flange of each top bracket to the bed rail using two 5/16" cap screws, two 5/16" flat washers, and two 5/16" locknuts per side.

NOTE: Pay special attention when drilling or clamping dissimilar metals to aluminum bodies. Galvanic corrosion can occur if not handled properly. Contact vehicle manufacturer for recommended attachment practices.

2. Place the spreader on the bumper and line up the holes in the bottom feet with the holes in the bumper.
3. Attach the spreader to the top brackets using two 3/8" cap screws and two 3/8" locknuts per side.
4. Attach the spreader to the bumper of the truck using one 3/8" cap screw, one 3/8" flat washer, and one 3/8" locknut per side.
5. Plug the spreader harness into the vehicle harness.

SWING AWAY® SPREADER



1. Fasten the left and right top brackets along with any shims to the truck bed rail with two 1/2" cap screws, two 1/2" flat washers, and two 1/2" locknuts per bracket. Install the two 5/16" cap screws and 5/16" locknuts to the side of the top brackets.

NOTE: Pay special attention when drilling or clamping dissimilar metals to aluminum bodies. Galvanic corrosion can occur if not handled properly. Contact vehicle manufacturer for recommended attachment practices.

2. Place the left and right base plates on the bumper of the truck and line up with the holes in the bumper.
3. Attach the base plates to the bumper using three 3/8" cap screws, three 3/8" plain washers, any shims, and three 3/8" locknuts per side.
4. Place the spreader on the base plates and insert the hinge pins. Secure the hinge side by installing one 1/4" cap screw and 1/4" locknut through the hole in the base plate boss and hinge pin.
5. Install hitch pin clip through the base plate boss and the removable hinge pin.
6. Plug the spreader harness into the vehicle harness.
7. Plug the center high mounted stoplight (CHMSL) cord into the vehicle stoplight harness.

OPERATING THE SPREADER

⚠ CAUTION

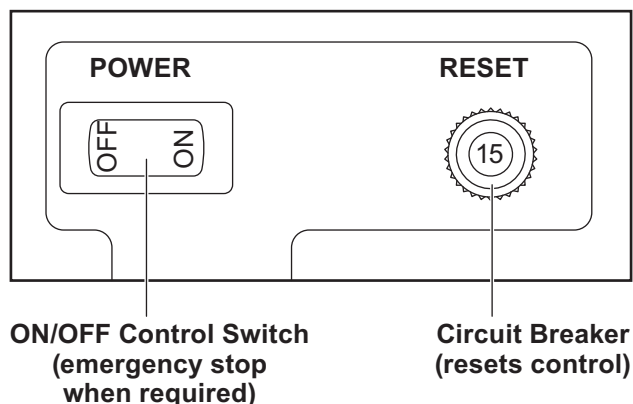
Do not swing spreader with material in the hopper.

NOTE: Always place the cover on the hopper to prevent moisture buildup. Do not let the spreader sit idle with material in the hopper for an extended period of time. This can cause the material to compact and reduce or stop the flow of material.

SPREADER CONTROLS

There are two control options: the ON/OFF Control and the Variable Speed Control.

ON/OFF Control



Starting and Stopping the Motor

⚠ WARNING

Before starting the spreader, the driver shall verify that all bystanders are a minimum of 25 feet away from operating spreader.

1. Turn the control ON to start the motor. The motor will start immediately. The power switch will remain in the "ON" position.
2. Turn the control OFF to stop the motor. The power switch will remain in the "OFF" position.

The ON/OFF switch operates as an emergency stop when required.

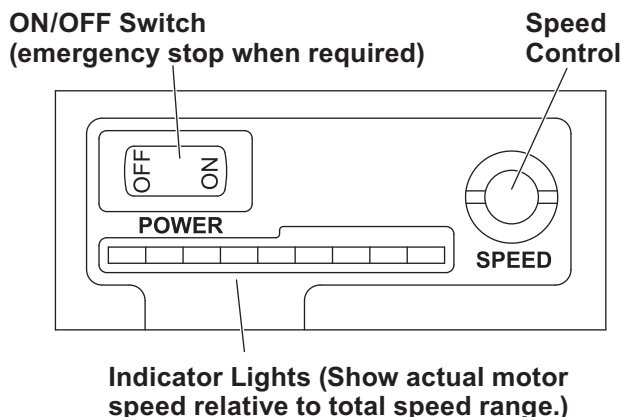
NOTE: The truck ignition must be ON to start the spreader.

NOTE: If the truck ignition is turned OFF while the spreader is running, the motor will stop.

NOTE: Always place the cover on the hopper to prevent moisture buildup. Do not let the spreader sit idle with material in the hopper for an extended period of time. This can cause the material to compact and reduce or stop the flow of material.

OPERATING THE SPREADER

Variable Speed Control



Starting and Stopping the Motor

⚠ WARNING

Before starting the spreader, the driver shall verify that all bystanders are a minimum of 25 feet away from operating spreader.

1. Turn the control ON to start the motor. The motor will start immediately. The power switch will remain in the "ON" position. The spreader will operate at the speed selected on the speed dial.
2. To increase the speed of the spinner, turn the speed dial clockwise.
3. To decrease the speed of the spinner, turn the speed dial counterclockwise.
4. Turn the control OFF to stop the motor. The power switch will remain in the "OFF" position.

The ON/OFF switch operates as an emergency stop when required.

NOTE: The truck ignition must be ON to start the spreader.

NOTE: If the truck ignition is turned OFF while the spreader is running, the motor will stop.

NOTE: Always place the cover on the hopper to prevent moisture buildup. Do not let the spreader sit idle with material in the hopper for an extended period of time. This can cause the material to compact and reduce or stop the flow of material.

DRIVING AND SPREADING ON SNOW AND ICE

⚠ CAUTION

Drinking and then driving or spreading is very dangerous. Your reflexes, perceptions, attentiveness, and judgment can be affected by even a small amount of alcohol. You can have a serious or even fatal collision if you drive after drinking. Please do not drink then drive or spread ice-control materials.

Follow your vehicle owner's manual instructions for driving in snow and ice conditions. Remember, when you drive on snow or ice, your wheels will not get good traction. You cannot accelerate as quickly, turning is more difficult, and you will need longer braking distance. Wet and hard packed snow or ice offer the worst tire traction. It is very easy to lose control. You will have difficulty accelerating. If you do get moving, you may have poor steering and difficult braking, which can cause you to slide out of control.

Here are some tips for driving in these conditions:

- Drive defensively.
- Do not drink, then drive or spread ice-control materials.
- Spread or drive only when you have good visibility for operating a vehicle.
- If you cannot see well due to snow or icy conditions, you will need to slow down and keep more space between you and other vehicles.
- Slow down, especially on higher-speed roads. Your headlamps can light up only so much road ahead.
- If you are tired, pull off in a safe place and rest.
- The spreader's size and location reduce driver visibility to the rear of the vehicle. We recommend an OSHA-compliant backup alarm for all governed employers.
- Keep your windshield and all glass on your vehicle clean to see around you.
- Dress properly for the weather. Wear layers of clothing; as you get warm, you can take off layers.

REMOVING THE SPREADER

⚠ CAUTION

Empty the hopper before removing the spreader.

⚠ CAUTION

During removal or mounting, securely grip spreader to avoid dropping.

FIXED MOUNT

Removing the Spreader

1. Unplug the spreader and CHMSL (if equipped).
2. Remove the two 3/8" cap screws, washers, and locknuts that fasten the spreader to the bumper of the vehicle.
3. Use an additional person or clamps to support the unit, and then remove the four 3/8" cap screws and locknuts that fasten the spreader to the top brackets.
4. Remove the spreader from the vehicle and stand it in an upright position. This may require additional support.

Removing the Brackets

1. Remove the two 1/2" cap screws, washers, and locknuts that fasten each top bracket to the bed rail.
2. Remove the two 5/16" cap screws, washers, and locknuts that fasten each top bracket to the side of the bed rail.
3. Package the brackets with all hardware and store them with the unit.

SWING AWAY® MOUNT

Removing the Spreader

1. Unplug the spreader and CHMSL (if equipped).
2. Remove the hitch pin from the latch-side hinge pin.
3. Remove the 1/4" cap screw and locknut from the hinged-side hinge pin.
4. Use an additional person to support the unit and remove both hinge pins.
5. Remove the spreader from the vehicle and stand it in an upright position. This may require additional support.

Removing the Top Brackets

1. Remove the two 1/2" cap screws, washers, and locknuts that fasten each top bracket to the bed rail.
2. Remove the two 5/16" cap screws and locknuts that fasten each top bracket to the side of the bed rail.
3. Mark the location of any shims to aid in reinstallation.
4. Package the brackets with all hardware and store with the unit.

Removing the Base Plates

1. Remove the four 3/8" cap screws, washers, locknuts, and any shims that fasten the base plate to the bumper.
2. Mark the location of the shims to aid in reinstallation.
3. Package the base plates with all hardware and store with the unit.

MAINTENANCE

PRESEASON CHECK

CAUTION

Disconnect electric power at spreader electrical wiring harness connection and tag out if required before servicing or performing maintenance.

CAUTION

- Do not operate a spreader in need of maintenance.
- Before operating the spreader, reassemble any parts or hardware removed for cleaning or adjusting.
- Before operating the spreader, remove materials such as cleaning rags, brushes, and hand tools from the spreader.
- Empty and clean spreader after every use. Material can freeze or solidify, causing unit to not work properly.

Before the unit is placed in service for the ice control season, make sure that it is in top working condition. Here are some tips for getting your spreader ready.

Remove the motor cap assembly and inspect the following:

1. Check the condition of the drive belt. Any cracks or damaged teeth indicate the need for a new belt. See "Drive Belt Replacement" in this section.
2. Check the motor connection terminals for damage or corrosion. Clean or replace as necessary and coat with dielectric grease.
3. Check the condition of the drive shaft bearings by first removing the drive belt. To remove the drive belt see "Drive Belt Replacement" later in this section. With the drive belt removed, spin the drive shaft by hand. Any excess noise or roughness in either bearing may indicate bearing failure.

4. If bearings pass inspection be sure to thoroughly grease them with a good quality multipurpose grease. See "Bearing and Set Screw Maintenance" later in this section.
5. Verify that all drive sprocket set screws are tight. Verify that all other fasteners are tight. Refer to the torque chart in the Safety section of this manual.
6. Check the condition of the motor cap assembly seal. This seal is very important to the reliability of the unit. Replace the seal if needed.
7. Check the condition of the spinner disk. If the vanes are excessively worn, the unit may not spread as intended. Replace the spinner if necessary.
8. Replace the motor cap assembly and locknuts.
9. Verify that vehicle stoplights and spreader CHMSL are visible and working properly.

AFTER EACH USE

Disconnect the electrical plug located between the spreader and the truck before cleaning.

1. Thoroughly clean the unit inside and out using tap water or a high-pressure washer. Avoid spraying water into bearings, motor, and electrical connections. A long-handled brush can be used to aid cleaning.
2. Apply dielectric grease to all electrical connections to prevent corrosion.
3. Lubricate the drive shaft bearings with a good quality multipurpose grease.

MAINTENANCE

POSTSEASON MAINTENANCE

⚠ CAUTION

Disconnect electric power at spreader electrical wiring harness connection and tag out if required before servicing or performing maintenance.

Before storing the unit for the off-season, taking a few minutes to do the following will extend the service life of your spreader:

1. Thoroughly clean the unit inside and out.
2. Apply dielectric grease to all electrical connections to prevent corrosion.
3. Grease the drive shaft bearings.
4. Oil or paint all bare metal surfaces.
5. Place the lid on the hopper body of the unit and secure the latch.
6. Store the unit in an upright position; stabilize it with supports if necessary. If the unit is stored outdoors, cover the unit and place it on blocks to avoid ground moisture.

DRIVE BELT REPLACEMENT

⚠ CAUTION

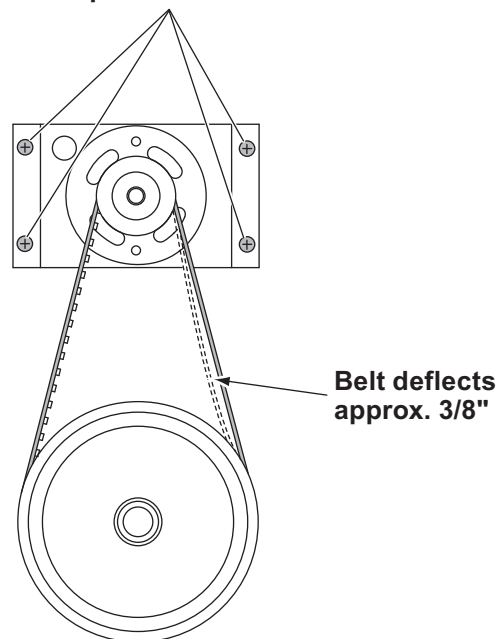
Disconnect electric power at spreader electrical wiring harness connection and tag out if required before servicing or performing maintenance.

⚠ CAUTION

Overtightening the belt may result in damage to the motor or bearings.

1. Disconnect the electrical plug between the spreader and truck.
2. Remove the motor cap assembly.
3. Loosen the four Phillips head screws that fasten the motor mount to the drive support.
4. Slide the motor toward the drive shaft.
5. Remove the belt and replace with a new one.
6. Slide the motor mount away from the drive shaft until the proper tension of the drive belt is achieved. After tightening the belt should easily deflect 3/8".

Phillips Head Screws



7. Tighten the four Phillips head screws and replace the motor cap.

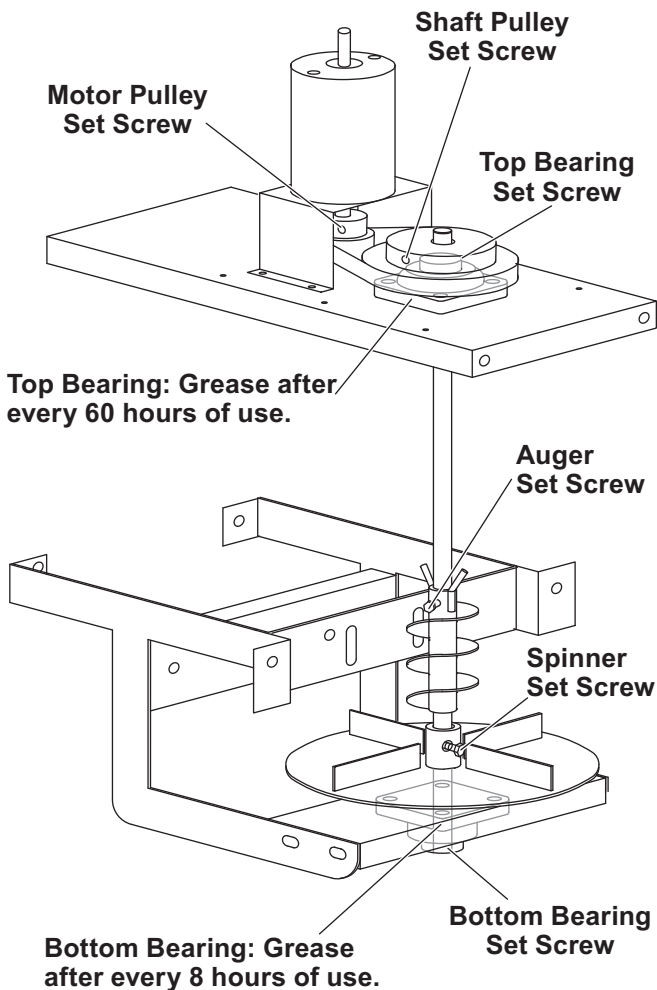
MAINTENANCE

BEARING & SET SCREW MAINTENANCE

⚠ CAUTION

Disconnect electric power at spreader electrical wiring harness connection and tag out if required before servicing or performing maintenance.

1. Tighten all set screws shown after every 60 hours of use.
2. Grease the top and bottom drive shaft bearings as shown below, using a good quality multipurpose grease. Due to the harsh environment of the bottom bearing, it will require more maintenance than the top bearing.



Lubricate drive shaft bearings with a good quality multipurpose grease.

FUSE REPLACEMENT

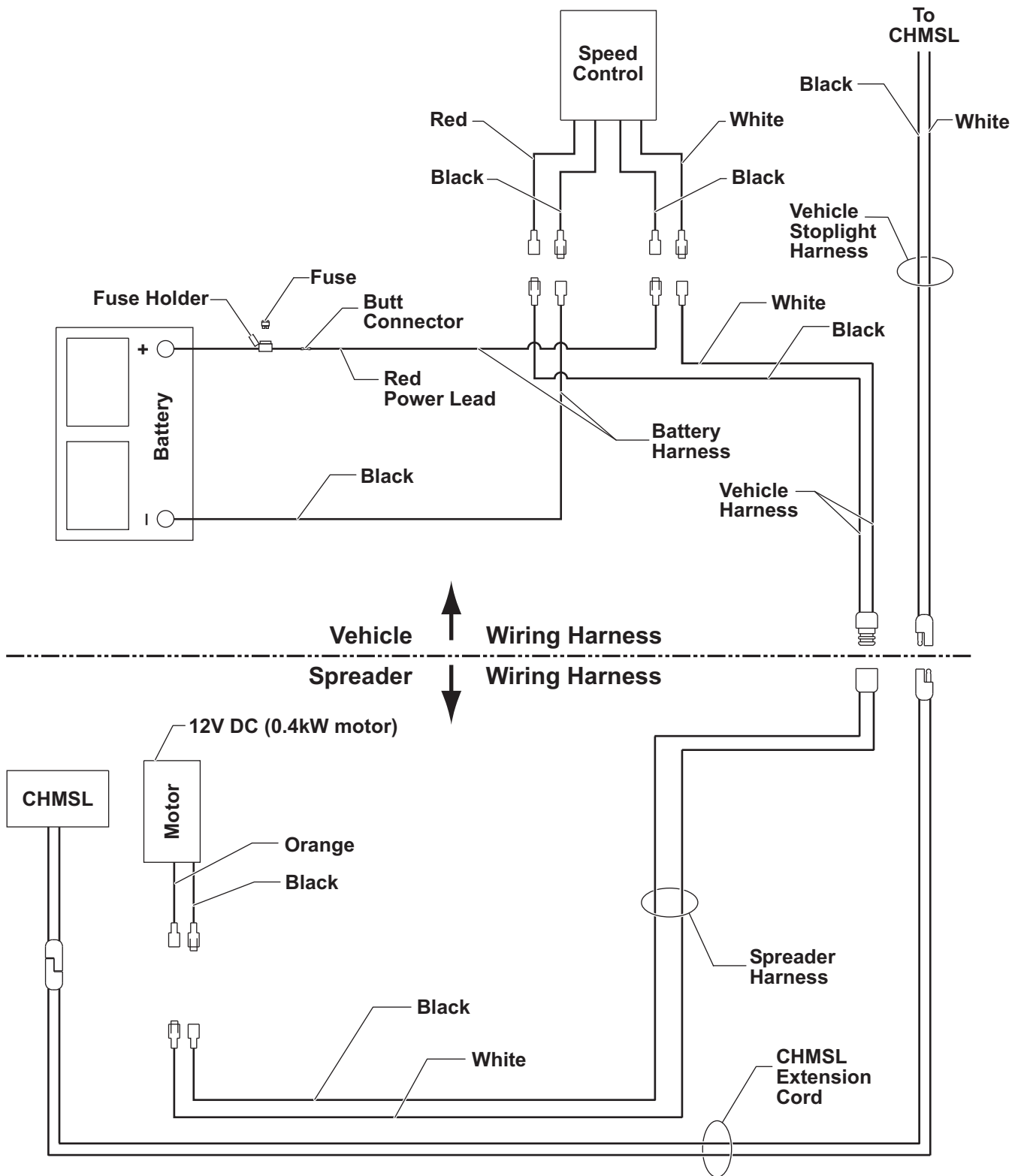
See the Harness Wiring Diagram on the following page for fuse location.

If a problem should occur and fuse replacement is necessary, the replacement fuse must be of the same type and amperage rating as the original. Installing a fuse with a higher rating can damage the system and could start a fire.

RECYCLE

When your spreader has performed its useful life, the majority of its components can be recycled as steel. Gear oil shall be disposed of according to local regulations. Balance of parts made of plastic shall be disposed of in customary manner.

2-PIN HARNESS WIRING DIAGRAM – LOW-PROFILE SPREADERS



TROUBLESHOOTING GUIDE

For control operation instructions, refer to the Operating the Spreader section of this manual.

| Problem | Possible Cause | Suggested Solution |
|---|--|--|
| Spinner does not spin. No power to the spreader control. | Spreader control is turned OFF. | Turn the spreader control ON. |
| | Spreader control circuit breaker is tripped (ON/OFF control only). | Turn the control OFF. Reset the circuit breaker. Turn the control ON. |
| | Battery lead in-line fuse is blown. | Change the fuse and inspect for short circuits. |
| | Battery connection is poor. | Clean or replace the ring terminal. Coat the terminal with dielectric grease. |
| | Battery wiring harness is damaged. | Repair or replace the battery wiring harness as required. |
| Spinner does not spin. Motor is not turning. 12V DC power is present at the Red wire to Red wire connection located near the rear of the spreader control. | Spinner, auger, or drive shaft is jammed or overloaded. | Unplug the spreader harness. Turn the spinner by hand. If the shaft will not turn freely, check the spinner and auger for any obstructions or frozen material. Clear all obstructions. |
| | Spinner shaft bearings are damaged. | Unplug the spreader harness. Remove the drive belt and turn the spinner by hand. If the shaft will not turn freely, check for obstructions. If no obstructions exist, lubricate or replace the spinner bearings. |
| | Motor is damaged. | Turn the spinner by hand. If the shaft will turn freely and the belt and pulleys are in working order, check for 12V DC at the orange wire to white wire connection located near the motor. If the motor has 12V DC, the problem is in the motor. Replace the motor. |
| | Spreader control is damaged. | Check for 12V DC at the white wire to white wire connection at the back of the spreader control. If the control does not have power, the problem is in the control. Replace the control. |
| | Wiring harness is damaged. | Check for 12V DC at the white wire to white wire connection at the back of the spreader control. If the control has 12V DC, check for 12V DC at the white wire to orange wire connection located near the motor. If the motor does not have power, then the problem is the spreader harness. Replace or repair the harness as necessary. |
| Spinner does not spin when load is applied. Motor is turning. | Drive belt is loose or broken. | Remove the motor cap and check for a broken or loose drive belt. Tighten or replace the belt as necessary. |
| | Drive pulley is loose. | Remove the motor cap and verify that the motor and drive pulley set screws are tight. |



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