



**Fisher Engineering**

P.O. Box 529 Rockland, Maine 04841

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# **Minute<sup>2</sup> Mount<sup>®</sup>**

**SYSTEM**

## **MOUNT KIT**

**Ford Super Duty F650**

**2000 - 03**

**Installation Instructions**

**⚠ CAUTION**

Read this document before installing the snowplow.

**⚠ CAUTION**

See your FISHER<sup>®</sup> outlet for application recommendations. The Kit Selection Guide has specific vehicle and snowplow requirements.

**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, could result in damage to product or property.

**NOTE:** Identifies tips, helpful hints, and maintenance information the owner/operator should know.

**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**  
 Lower blade when vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this can result in serious personal injury.

**⚠ WARNING**  
 Remove blade assembly before placing vehicle on hoist.

**⚠ WARNING**  
 The driver shall keep bystanders clear of the blade when it is being raised, lowered or angled. Do not stand between the vehicle and the blade or within 8 feet of a moving blade. A moving or falling blade could cause personal injury.

**⚠ WARNING**  
 Keep hands and feet clear of the blade and A-frame when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury.

**⚠ WARNING**  
 Do not exceed GVWR or GAWR including blade and ballast. The rating label is found on driver-side vehicle door cornerpost.

**⚠ CAUTION**  
 Refer to the Kit Selection Guide for minimum vehicle recommendations and ballast requirements.

**⚠ CAUTION**  
 To prevent accidental movement of the blade, always turn the ON/OFF switch to OFF whenever the snowplow is not in use. The control indicator light will turn off.

**PERSONAL SAFETY**

- Wear only snug-fitting clothing while working on your vehicle or snowplow.
- 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 a vehicle. Keep all open flames away from gasoline tanks 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.

## VENTILATION




### **⚠ WARNING**

Vehicle exhaust contains deadly carbon monoxide (CO) gas. Breathing this gas, even in low concentrations, could cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.

## 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 snowplow including proper personal protective safety equipment.

Recommended Fastener Torque Chart (Ft.-Lb.)			
Size	 SAE Grade 2	 SAE Grade 5	 SAE Grade 8
1/4-20	6	9	13
5/16-18	11	18	28
3/8-16	19	31	46
3/8-24	24	46	68
7/16-14	30	50	75
1/2-13	45	75	115
9/16-12	66	110	165
5/8-11	93	150	225
3/4-10	150	250	370
7/8-9	150	378	591
1-8	220	583	893
Metric Grade 8.8 (Ft.-Lb.)			
Size	Torque	Size	Torque
M 6	7	M 12	60
M 8	17	M 14	95
M 10	35	M 16	155
These torque values apply to fasteners except those noted in the instruction.			

## INSTALLATION INSTRUCTIONS

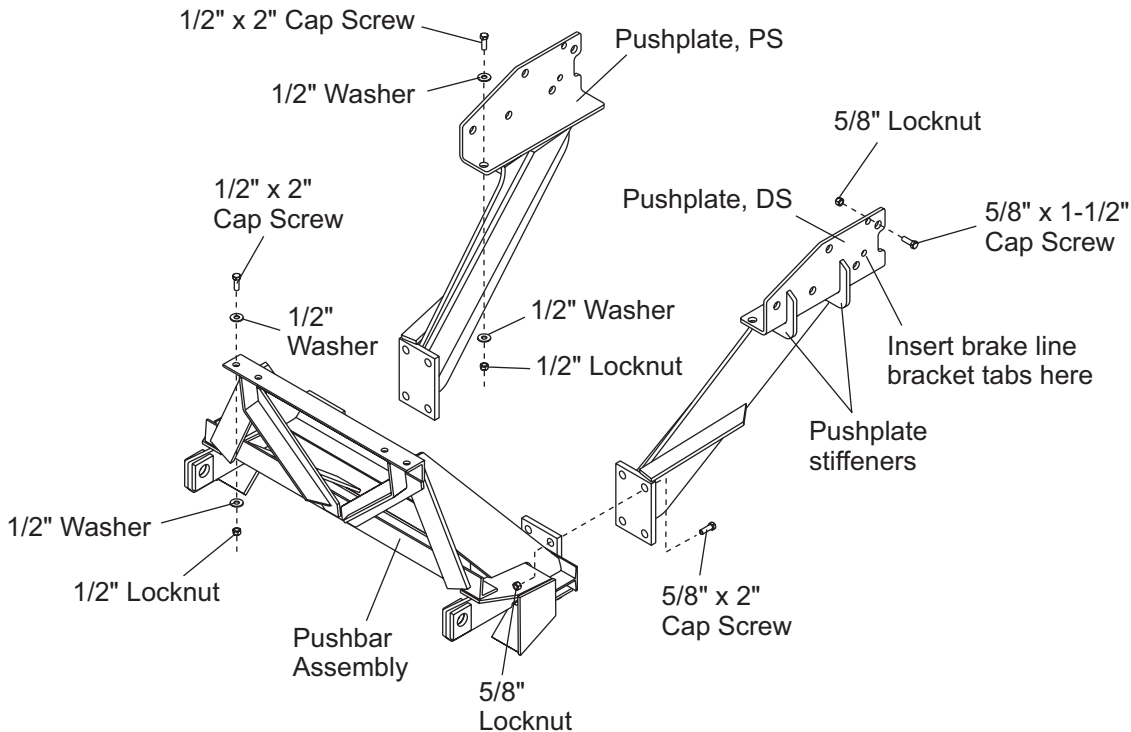
1. Remove bumper. Save all fasteners for bumper reinstallation.
2. Remove rearmost fasteners attaching the engine cradle cross member to the frame rails. Discard these fasteners. Remove brake line brackets located just ahead of shock towers on vehicles so equipped. Remove plastic button head on passenger side on vehicles so equipped. Retain these fasteners for reinstallation using new hose tie.
3. Loosely attach the pushplates using 1/2" x 2" cap screws, washers and flanged locknuts where the engine cradle cross member bolts were previously removed. Be sure to use a washer above and below the pushplate. Also loosely attach using a 5/8" x 1-1/2" cap screw and locknut through the pre-existing frame hole.
4. Position the pushplate assembly so the bolting pads on the assembly line up with the bolting pads on the pushplate. Attach snugly, but do not tighten, with eight 5/8" x 2" cap screws.

5. With the top of the pushplate assembly held firmly in place against the formed pan running between the frame rails at the front of the vehicle, drill four 17/32" holes using the pushplate assembly as a guide. Loosely attach using 1/2" x 2" cap screws washers and flanged locknuts. Be sure to use a washer above and below the top of the pushplate assembly.
6. Reinstall brake line brackets using previously removed fasteners and holes provided in pushplates. Refer to illustration for location of holes.
7. Tighten all fasteners at this time per torque chart provided. Begin by tightening the 1/2" x 2" pushplate fasteners that come up through the bottom of the frame. Then, working from the rear to the front, tighten all remaining fasteners per torque chart provided.
8. Using the pushplate holes as guides, drill the remaining four 5/8" holes in each frame rail and attach using the 5/8" x 1-1/2" cap screws. Check that all hoses and lines are clear before drilling. Position heads of cap screws facing outward when clearances between cap screws and brake hoses are insufficient. Tighten these per torque chart provided.
9. Check clearances between pushplate stiffeners and brake hoses/lines. Use anti-chafing material when clearances are inadequate to prevent contact during normal vehicle operation.
10. Reinstall bumper.

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**NOTE: After five to ten hours of snowplow usage, retorque all pushplate assembly fasteners.**

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