



Fisher Engineering

50 Gordon Drive, Rockland, Maine 04841-2139 • www.fisherplows.com

October 1, 2007
Lit. No. 64689, Rev. 03



MOUNT KIT

Ford Super Duty F250/350/450/550 2005 - 07

Installation Instructions

⚠ CAUTION

Read this document before installing the snowplow.

⚠ CAUTION

See your FISHER® outlet/Web site for specific vehicle application recommendations before installation. 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, 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 snowplow and vehicle or other property. Other useful information can also be described.

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

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.

⚠ WARNING

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.

⚠ WARNING

Remove blade assembly before placing vehicle on hoist.

⚠ CAUTION

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

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 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 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.

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

NOTE: For easier assembly and installation, vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

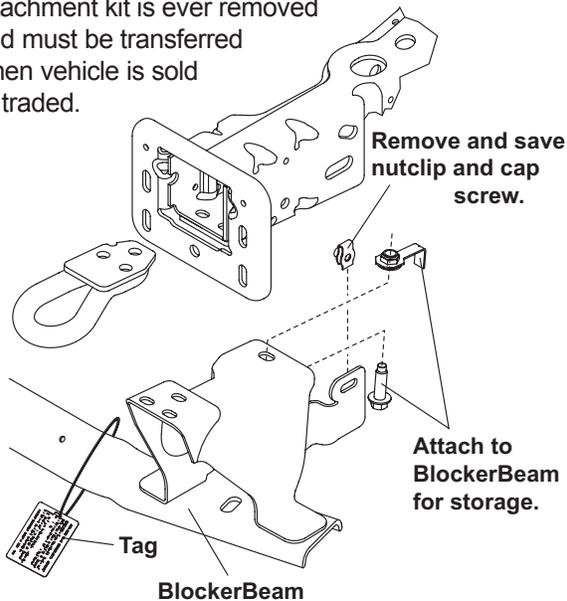
1. Remove bumper by first detaching any electrical cords attached to bumper (diesel engine and vehicles with fog lamps). Remove the bumper fasteners and save for reinstallation.

⚠ WARNING

Removing the BlockerBeam™ without installing snow plow attachment hardware may affect air bag deployment in a crash. Do not operate the truck unless either the BlockerBeam or the snow plow attachment hardware is installed on the vehicle.

2. Vehicle is equipped with a BlockerBeam between the frame horns and behind the bumper. Disconnect the rubber air deflector from the BlockerBeam, then detach and remove the BlockerBeam and tow hooks from the truck frame. Save tow hooks and three tow hook fasteners for reinstallation later in this instruction. Remove and save nutclips and cap screws for reinstallation on bumper mounting bracket in Step 6.

Loosely reattach the rear cap screw and retainer nut to each side of the BlockerBeam to prevent loss. Affix tag 66871 to the BlockerBeam using the cable tie provided. BlockerBeam must be reinstalled if plow attachment kit is ever removed and must be transferred when vehicle is sold or traded.

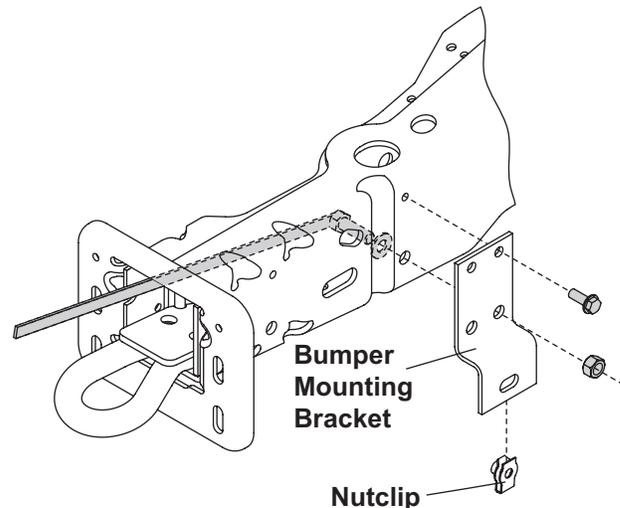


3. Replace the tow hook into the frame and install and tighten only the single rear tow hook fastener at this time. If necessary, loosely install a front tow hook fastener to maintain tow hook hole alignment while tightening the rear fastener. Remove the front fastener after tightening the rear fastener.
4. Beginning on the driver side, remove the two sway bar bracket fasteners and remove the retained nutclips from the sway bar bracket. Allow the sway bar bushing and U-bracket to separate from the vehicle frame.
5. Remove the U-bracket from the sway bar bushing. Enlarge the two holes in the U-bracket with a 17/32" drill to allow clearance for 1/2" cap screws, and save for later installation.

Enlarge to 17/32"



6. Install the bumper mounting bracket to existing frame holes using the self-tapping screw, and the 1/2" x 1-1/2" cap screw with handle, flat washer and locknut. Use only the rear-most holes in the bracket. Tighten these fasteners at this time, then install nutclip taken from BlockerBeam.



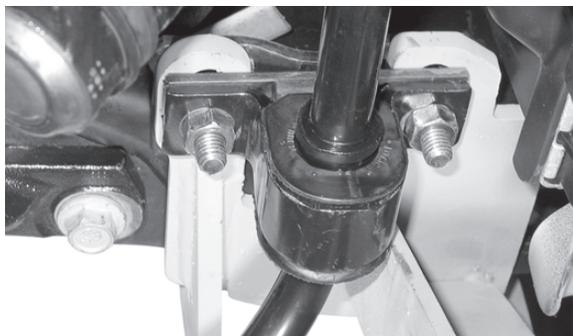
7. Position the pushplate against the vehicle frame with tow hook and sway bar holes aligned. Install, but do not tighten, the 1/2" x 1-3/4" cap screw, flat washers and locknut through the front of pushplate and existing hole in outboard side of frame to support the pushplate in position.



8. Install, but do not tighten, the remaining two tow hook fasteners.

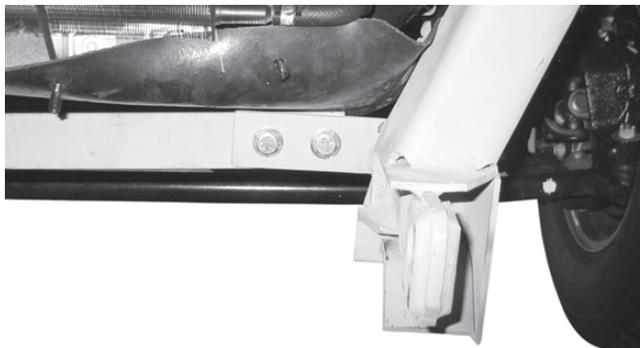


9. Insert the sway bar spacer between the pushplate and sway bar bushing. Loosely attach rear of pushplate using cap screws (1/2" x 1-3/4" in rear hole and 1/2" x 2" in front hole), one flat washer on top of sway bar bracket and one on bottom of modified U-bracket and locknuts. Cap screws and washers may be installed up from below with nuts and washers on top of sway bar bracket as required for clearance.



10. Repeat Steps 3–9 on passenger side using 1/2" x 2" cap screws in both holes of the sway bar bracket.

11. Loosely attach cross bar between both pushplates using 1/2" x 1-3/4" cap screws, flat washers and locknuts. Set the center-to-center measurement between the connecting arms to 29-1/8", and tighten these four cap screws and locknuts.

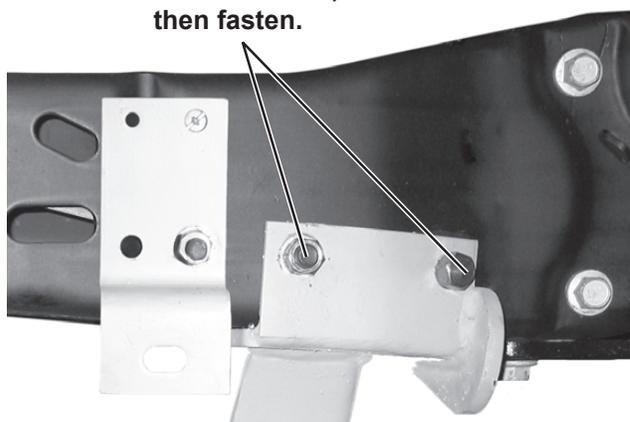


⚠ CAUTION

Protect radiators and cooling lines against damage while drilling holes in frame.

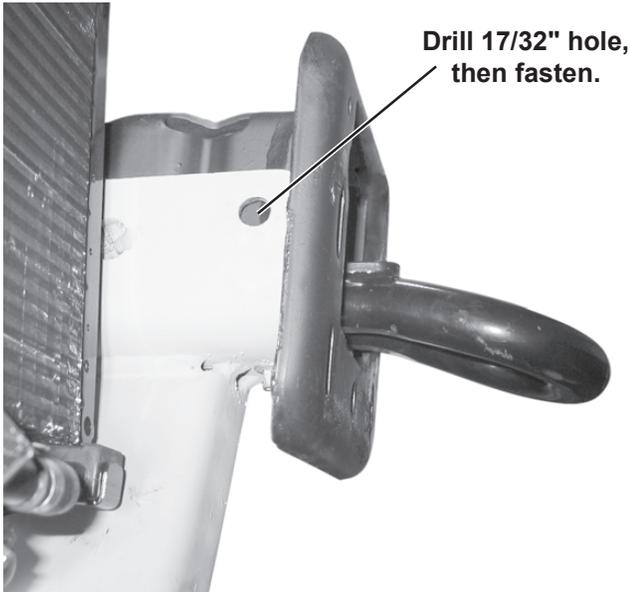
12. With mount firmly against truck frame, drill two 17/32" holes through the side of the frame at the rear of pushplate using holes in the pushplate as locators. Fasten securely using two 1/2" x 1-1/2" cap screws with handles, flat washers and locknuts.

Drill 17/32" holes,
then fasten.



13. Tighten tow hook fasteners first, then tighten sway bar bracket fasteners. Next, tighten the 1/2" x 1-1/2" cap screw and locknut passing through the frame side.

14. Drill one 17/32" hole through the inboard side of the frame at the front of the pushplate, just ahead of the radiators, using the hole provided in the pushplate as the locator. Fasten securely using one 1/2" x 1-3/4" cap screw, flat washers and locknut.

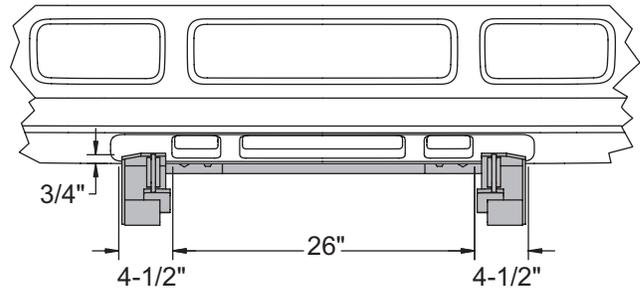


15. Repeat Steps 12–14 on the passenger side.
16. Tighten all fasteners at this time per torque chart.
17. Use cable ties to tie up cooling lines that may contact parts just installed. It is important to provide sufficient clearance between all portions of the cooling lines and the snowplow pushplate components.

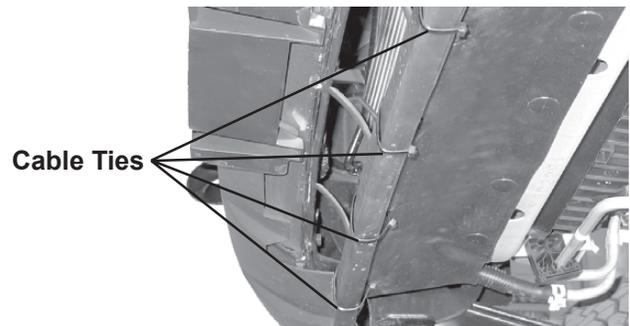
NOTE: Use anti-chafing material in those situations where sufficient clearance cannot be maintained.

18. Reinstall the bumper using existing hardware at the frame horns and at the bumper mounting brackets. Reattach any electrical cords removed during bumper removal.

19. The air dam can be notched generally as shown to clear the connecting arms if necessary.



20. Attach front of rubber air deflector that was originally attached to the BlockerBeam™ to the bottom of the air dam with the four provided cable ties.



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

Fisher Engineering reserves the right under its product improvement policy to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications used. Fisher Engineering or the vehicle manufacturer may require or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. Fisher Engineering offers a limited warranty for all snowplows and accessories. See separately printed page for this important information. The following are registered (®) trademarks of Douglas Dynamics, L.L.C.: FISHER®, Minute Mount® 2.