

Fisher Engineering

P.O. Box 529 Rockland, Maine 04841

March 17, 2003
Lit. No. 26204



Attachment Kit Installation Instructions

Ford F700 & F800

1995–1999

⚠ CAUTION

Read this document before installing the snowplow.

⚠ CAUTION

See your FISHER® 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.			

IMPORTANT NOTICES:

- A. The battery and/or associated hardware will have to be removed to install the passenger-side pushplate and then reinstalled in its original location if your vehicle has a gas engine. Disregard all instructions concerning the vehicle battery if your vehicle has a diesel engine.
- B. Some vehicles have rubber inner fender flaps. The fender flaps must be moved while installing the pushplates if your vehicle is so equipped.
- C. Other clamps or brackets on or near the frame may interfere with the installation of the pushplates. Remove these items and replace after pushplates are installed.
- D. Pin the bottom hole on the A-frame to keep the angle frame level.

INSTALLATION INSTRUCTIONS

NOTE: To insure proper fit of attachments do not fully tighten any fasteners until told to do so.

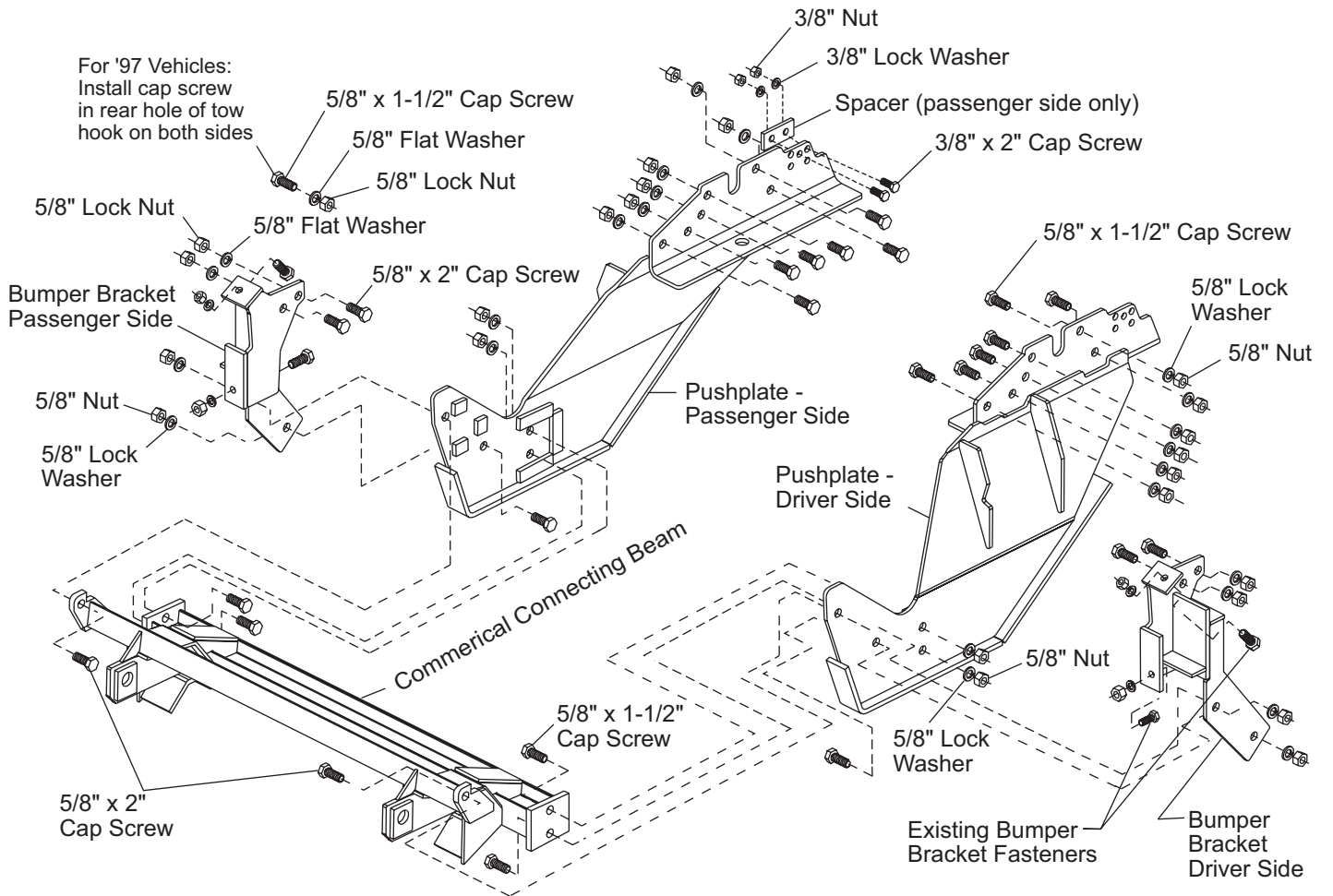
1. Remove and discard the tow hooks and bumper brackets.
2. Remove the brake line brackets on both sides. Discard the fasteners. Remove the rear cross member bolt on both sides. Save the fasteners. Remove the rubber spring bumper from the bottom of the frame.
3. Turn the front wheels as far left as possible. Install the driver-side pushplate by placing the rear angle of the pushplate between the outside of the leaf spring and inside of the steering arm.

Reinstall the cross member bolt and rubber spring bumper to the bottom of the frame. Install one 5/8" x 1-1/2" cap screw in to the top, rear hole in the side of the frame. Secure with one 5/8" lock washer and nut. Do not tighten any fasteners at this time.
4. Repeat step three for the passenger-side pushplate.
5. Place the connecting beam between the pushplates. Install two 5/8 x 1-1/2" cap screws on each side in the rear block and the pushplate. Secure with four 5/8" lock washers and nuts.
6. Install the driver-side bumper bracket with two 5/8" x 2" cap screws. Secure with two 5/8" flat washers and locknuts. Attach the connecting beam front tab, pushplate and hanger leg with one 5/8" x 2" cap screw, 5/8" lock washer and nut. Secure the lower leg with one 5/8" x 2" cap screw, 5/8" lock washer and nut.

NOTE: On 1997 models, use a 5/8" x 1-1/2" cap screw, 5/8" plain washer and locknut in the rear hole where the tow hooks were attached.

7. Repeat step six on the passenger side.
8. Reinstall the brake line bracket on the driver side. Use two 3/8" x 2" cap screws, lock washers and nuts. Place the spacer on the passenger side. Secure with two 3/8" x 2" cap screws, lock washers and nuts.
9. Tighten the top fasteners on both bumper brackets. Reinstall the bumper and tighten all fasteners.
10. Check that the area behind the frame is clear of any obstacles. Drill and ream four 5/8" holes on each side using the four 5/8" holes on the rear angle as a guide. Secure with six 5/8" x 1-1/2" cap screws, lock washer and nut. Tighten all fasteners.

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



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