



Fisher Engineering

P.O. Box 529 Rockland, Maine 04841

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Lit. No. 68162

**Minute
Mount**
SYSTEM

**Minute²
Mount**
SYSTEM

Attachment Kit Installation Instructions

GMC All New Sierra	K1500	1999-2002
Chevy Silverado	K1500	1999-2002

⚠ 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 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.

⚠ 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.

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

Keep well clear of the blade when it is being raised, lowered or angled. Do not stand between the vehicle and blade or directly in front of blade. If the blade hits you or drops on you, you could be seriously injured.

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**

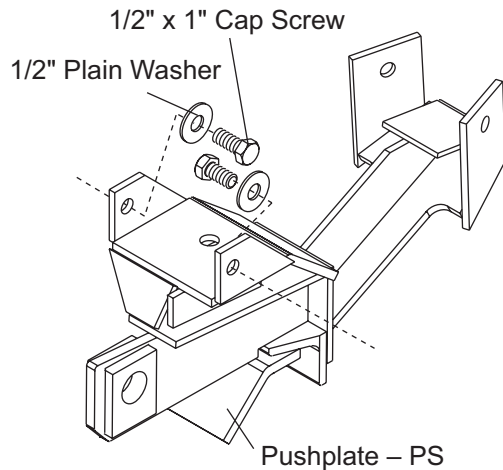
Read instructions before assembling. Bolts should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow including wearing safety glasses during cutting, drilling and welding.

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 mount assembly fasteners except those noted in the instruction.			

INSTALLATION INSTRUCTIONS

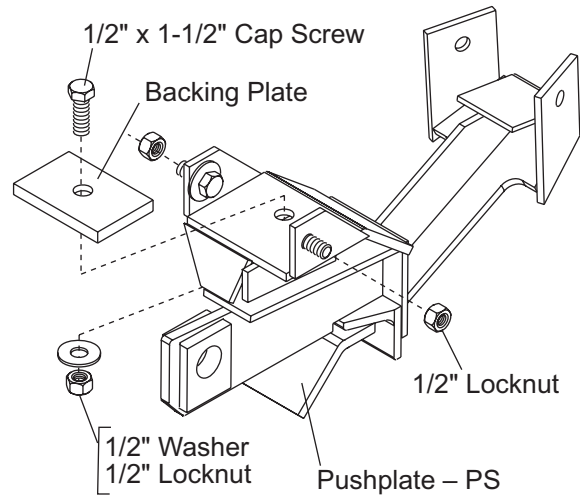
1. **On Chevrolet Vehicles:** Remove lower plastic section of bumper. Save all plastic fasteners for use on reinstallation. Remove tow hooks.
On GMC Vehicles: Remove bumper. Save all fasteners for use on reinstallation. Remove tow hooks.
2. Beginning with one pushplate, align the forward pushplate holes with the three tow hook holes in frame. Insert 1/2" x 1" cap screws and 1/2" plain washers in forwardmost holes.

NOTE: The cap screw heads may have to be inside of frame to allow insertion because of interference of bumper when inserted from outside of frame.



3. Insert a 1/2" x 1-1/2" cap screw down through a backing plate and through bottom of frame and slot in pushplate. The backing plate should span the bottom surface of the frame widthwise. Loosely fasten with locknut and washer. Verify that the rear portion of the pushplate is in contact with the bottom portion of the frame.

NOTE: There may be some clearance between the rearmost portion of the pushplate and the frame crossmember.



4. Tighten the three fasteners starting with the 1/2" x 1-1/2" cap screw through the bottom of the frame. Fasten the 1/2" x 1" cap screws with a 1/2" locknut. Tighten fasteners.
5. Repeat steps 1-4 for opposite side pushplate.
6. Using holes in rear tabs of pushplates as guides, drill two 17/32" holes through the frame for each pushplate.

⚠ CAUTION

When drilling holes for passenger side pushplate, use care not to damage aluminum hoses near frame.

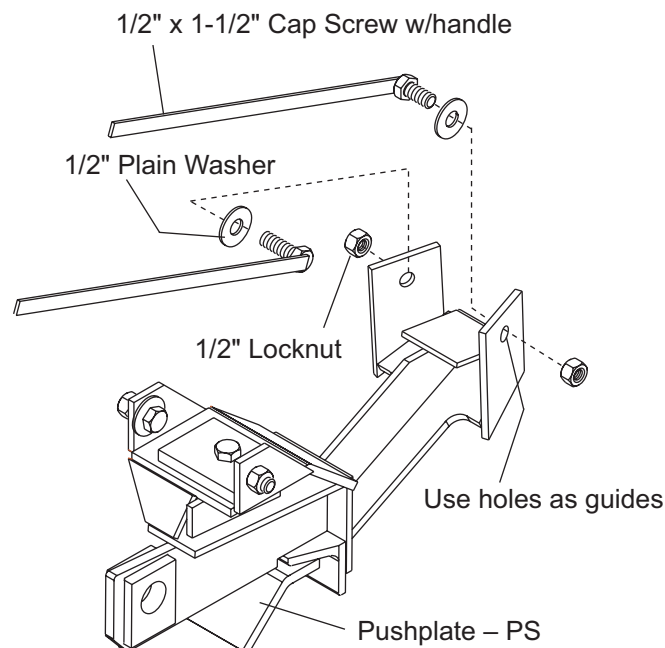
NOTE: Drill clearance can be obtained by turning steering wheel so front of tires are away from side being drilled.

7. Fasten rear of pushplates using 1/2" x 1-1/2" cap screw w/handle with a washer on inside of frame.

NOTE: A slight upward sweeping bend in the cap screw handle will be necessary to install these fasteners.

8. Tighten all four fasteners using 1/2" locknuts.
9. Using the installed pushplates as guides, notch the lower plastic portion of the bumper to fit, and reattach.
10. Bend excess length of handles out of the way.
11. Optional: The center section of the lower plastic part of the bumper can be secured to the plastic splash dam, located to the rear, using wire ties and small drilled holes.

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



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