



Fisher Engineering

P.O. Box 529 Rockland, Maine 04841

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Minute² Mount[®]

SYSTEM

MOUNT KIT

GM K-10/K-15/K-20/K-25/K-30/K-35	1973 - 87
GM V30/V35	1988 - 89
GM Blazer/Jimmy	1973 - 91
GM Suburban	1973 - 91

Installation Instructions

⚠ 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.			

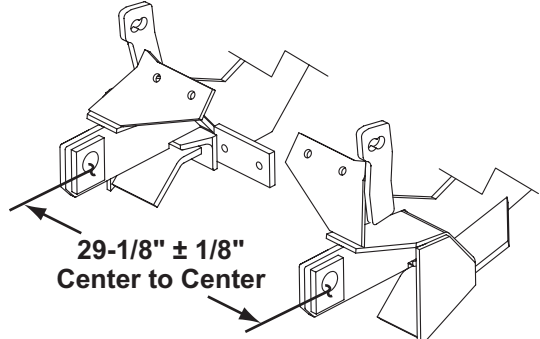
INSTALLATION INSTRUCTIONS

- 1981-87** Remove and discard air dam from below front bumper.
- 1973-87** Lift vehicle using floor jack under transmission cross member. On driver side, remove bolt holding brake line clip on inside of frame behind steering box. Bend brake lines down to clear slotted hole in frame. On passenger side, remove bolts holding brake line clip above front edge of the cross member that runs under engine. Bend lines up to clear slotted hole in frame.

CAUTION

Before drilling any holes, check both side of the material for any wires, fuel lines, fuel tanks, etc. that may be damaged by drilling.

- 1981-87** Remove the lower bumper bracket bolts from the ends of both the driver- and passenger-side frame rails. These bolts go through the frame web just above the lower edge of bumper. Drill the holes to 5/8".

2. **1981-87** Install driver-side pushplate to outside of frame, inside of spring and outside of stabilizer bar. Raise front end of pushplate to permit installation of 5/8" x 2" bolt with flat washer through front pushplate tab hole and frame. Fasten with flat washer, lock washer and nut. Install 5/8" x 1-1/2" bolt through front hole of rear angle section. Fasten with flat washer, lock washer and nut. Flat washer, lock washer and nut on outside of frame.
- 1973-80** Install driver-side pushplate to outside of frame, inside of springs and outside of stabilizer bar. Raise front end of pushplate to permit installation of 5/8" x 2" bolt with flat washer through front hole in front hanger, 1/4" spacer and frame. Fasten with flat washer, lock washer and nut. Flat washer, lock washer and nut go on outside of frame.
3. **1981-87** Install passenger-side pushplate to outside of frame, inside of spring and outside of stabilizer bar. Hang rear end of pushplate on top of axle rubber bumper mount. Raise front end of pushplate to install 5/8" x 2" bolt with flat washer, through front pushplate tab hole and frame. Fasten with flat washer, lock washer and nut. Install 5/8" x 1-1/2" bolt through middle hole in rear plate and slotted hole in frame. Fasten with flat washer, lock washer and nut.
- 1973-80** Install passenger-side pushplate to outside of frame, inside of spring and outside of stabilizer bar. Raise front end of pushplate to install of 5/8" x 2" bolt with flat washer through front hole in hanger, 1/4" spacer and frame. Fasten with flat washer, lock washer and nut.
4. **ALL** Attach one angle bar to the pushplates under the bumper. Fasten with four 3/8" x 1-1/2" cap screws, flat washers and locknuts. Fasten lower angle with four 3/8" x 1-1/2" cap screws and nuts. Tighten these fasteners after both angles have been installed.
5. **ALL** Check the inside to outside dimension between the connecting pin arms. This measurement should be 29-1/8" +/- 1/8". To ensure the arms are parallel, a second measurement must be taken farther back on the arms. This measurement must be the same as the first.
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6. **ALL** Tighten all other 5/8" fasteners.
7. **ALL** Drill one 5/8" hole through frame, at the rear of the driver-side pushplate using the rear hole as a guide. Check for wiring and lines in frame. Fasten with one 5/8" x 1-1/2" cap screw, lock washer and nut. Locate the two holes in rear plate on the passenger-side pushplate (shown in illustration). Install two 5/8" x 1-1/2" cap screws, lock washers and nuts. Tighten fasteners.
- 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 and the vehicle manufacturer may require and/or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. Fisher Engineering offers a limited warranty on the 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.