



Fisher Engineering

P.O. Box 529 Rockland, Maine 04841

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Minute² Mount[®]

SYSTEM

MOUNT KIT

GM C3500 HD 2WD Straight Axle

1991 - 00

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.			

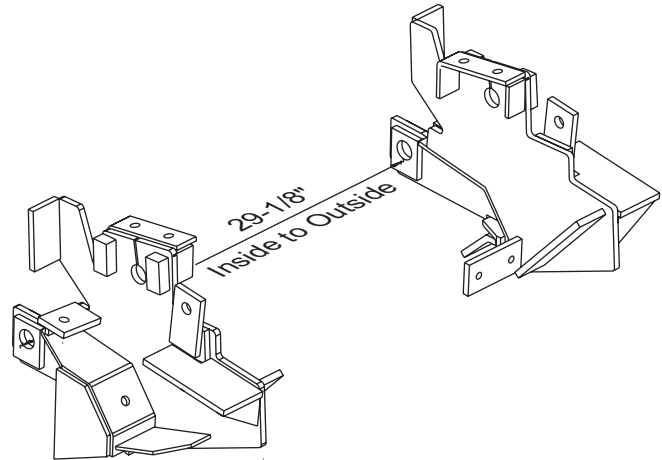
INSTALLATION INSTRUCTIONS

1. Remove and discard two inner and lower bumper bolts.
2. Place driver-side pushplate inside of frame and leaf spring. Align front tab on pushplate with hole in bumper from previously removed fastener. Attach pushplate with a 1/2" x 1-1/2" cap screw and hardened flat washer down from top bumper hole and pushplate and secure with a 1/2" locknut.
5. Check to see if the inside-to-outside distance between the connecting pin arms on pushplate is 29-1/8". To ensure the arms are parallel, take a second measurement farther back on the arms. This measurement must be the same as the first. Adjust if necessary and fully tighten the 3/8" angle brace fasteners.

NOTE: A floor jack may be required to align hole in rear tab on pushplate with slot on inside of frame.

Insert a 5/8" cap screw with handle with a hardened flat washer inside frame (from front) and out through slot and rear tab on pushplate. Secure with a 5/8" locknut.

3. Repeat step 2 for passenger-side pushplate.
4. Place angle brace on inner tabs of pushplates with angle leg down and facing rearward. With heads of cap screws facing forward, attach with four 3/8" x 1" cap screws and flat washers. Secure with four locknuts on back side of angle brace.



Jack pushplates up against vehicle frame and tighten remaining pushplate fasteners.

6. Using the remaining holes in pushplates as guides, drill two 17/32" holes through vehicle cross member above each pushplate. Place 5/8" flat washers between cross member and pushplates to fill gap if needed. Place backing plate on top of cross member. Fasten to pushplates by putting four 1/2" x 2" cap screws down through the cross member. Secure with locknuts.
7. Make sure all fasteners are fully tightened.

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.