



**Fisher Engineering**

**77109**

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## MOUNT KIT

**Chevy Silverado 2500/3500**

**2020-\_\_**

**GMC Sierra 2500/3500**

**2020-\_\_**

### Installation Instructions

**⚠ CAUTION**

Read this document before installing the snowplow.

**⚠ CAUTION**

See your FISHER® outlet/website for specific vehicle application recommendations before installation. The eMatch tool 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.

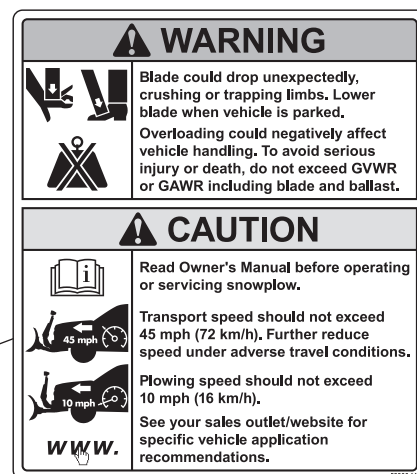
**NOTE:** Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

## WARNING/CAUTION &amp; INSTRUCTION LABELS

Become familiar with and inform users about the warning/caution labels on the back of the blade and the instruction label on the headgear.

**NOTE:** If labels are missing or cannot be read, see your sales outlet.

Warning/Caution Label

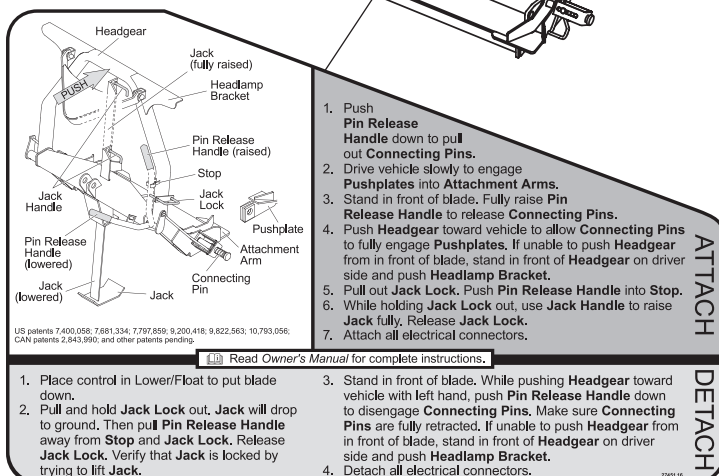


Multiple Pinch Points Label



**XLSTM Blades Only  
(both sides)**

Instruction Label



## 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 the 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 could 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 vehicle and 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 the blade and ballast. The rating label is found on the driver-side vehicle door cornerpost.**

### WARNING

**To prevent accidental movement of the blade, always turn the control OFF whenever the snowplow is not in use. The power indicator light will turn OFF.**

### WARNING

**Remove blade assembly before placing vehicle on hoist.**

### CAUTION

**Refer to the eMatch tool for minimum vehicle recommendations and ballast requirements.**

## PERSONAL SAFETY

- Remove the 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 vehicle. Keep all open flames away from gasoline tank 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.

## CELL PHONES

A driver's first responsibility is the safe operation of the vehicle. The most important thing you can do to prevent a crash is to avoid distractions and pay attention to the road. Wait until it is safe to operate mobile communication equipment such as cell phones, text messaging devices, pagers, or two-way radios.

## 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.**

NOISE

Airborne noise emission during use is below 70 dB(A) for the snowplow operator.

VIBRATION

Operating snowplow vibration does not exceed 2.5 m/s<sup>2</sup> to the hand-arm or 0.5 m/s<sup>2</sup> to the whole body.





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**

**Inch Fasteners Grade 5 and Grade 8**

Size	Torque (ft-lb)		Size	Torque (ft-lb)	
	 Grade 5	 Grade 8		 Grade 5	 Grade 8
1/4-20	8.4	11.9	9/16-12	109	154
1/4-28	9.7	13.7	9/16-18	121	171
5/16-18	17.4	24.6	5/8-11	150	212
5/16-24	19.2	27.3	5/8-18	170	240
3/8-16	30.8	43.6	3/4-10	269	376
3/8-24	35.0	49.4	3/4-16	297	420
7/16-14	49.4	69.8	7/8-9	429	606
7/16-20	55.2	77.9	7/8-14	474	669
1/2-13	75.3	106.4	1-8	644	909
1/2-20	85.0	120.0	1-12	704	995

**Metric Fasteners Class 8.8 and 10.9**

Size	Torque (ft-lb)		Size	Torque (ft-lb)	
	 Class 8.8	 Class 10.9		 Class 8.8	 Class 10.9
M6 x 1.00	7.7	11.1	M20 x 2.50	325	450
M8 x 1.25	19.5	26.9	M22 x 2.50	428	613
M10 x 1.50	38.5	53.3	M24 x 3.00	562	778
M12 x 1.75	67	93	M27 x 3.00	796	1139
M14 x 2.00	107	148	M30 x 3.50	1117	1545
M16 x 2.00	167	231	M33 x 3.50	1468	2101
M18 x 2.50	222	318	M36 x 4.00	1952	2701

These torque values apply to fasteners except those noted in the instructions.

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 the lower bumper skirt, save for reinstallation if the mount is removed.

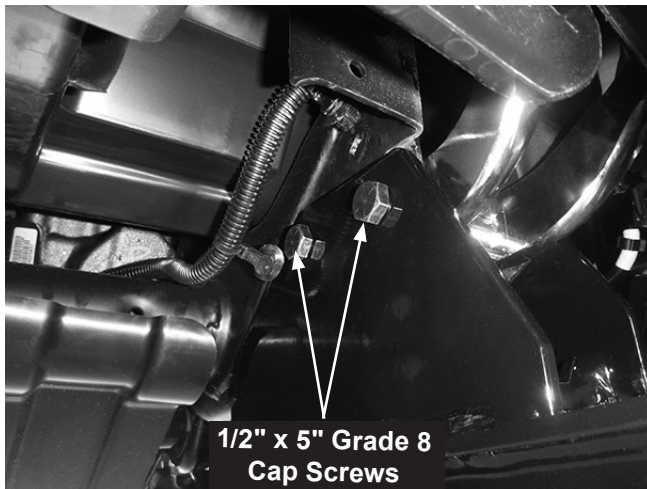


**NOTE:** Starting with the 2024 model year, some trim levels may require additional trimming of the lower bumper to accommodate mount installation.

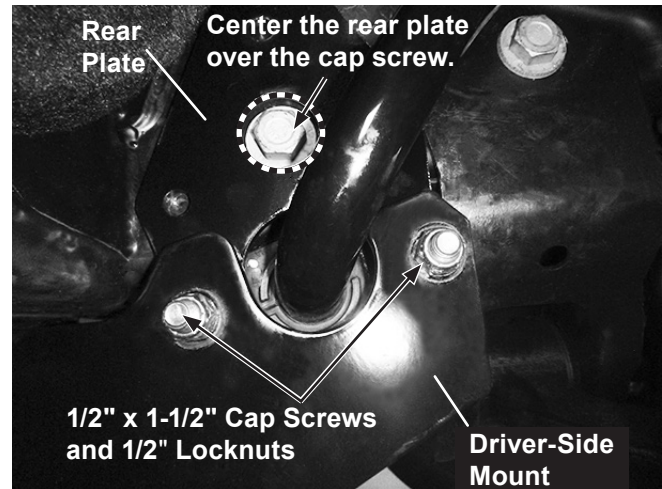
2. Starting on the driver's side, pull the harness keepers out of the frame, and remove the tow hook fasteners. Leave the tow hook in place.



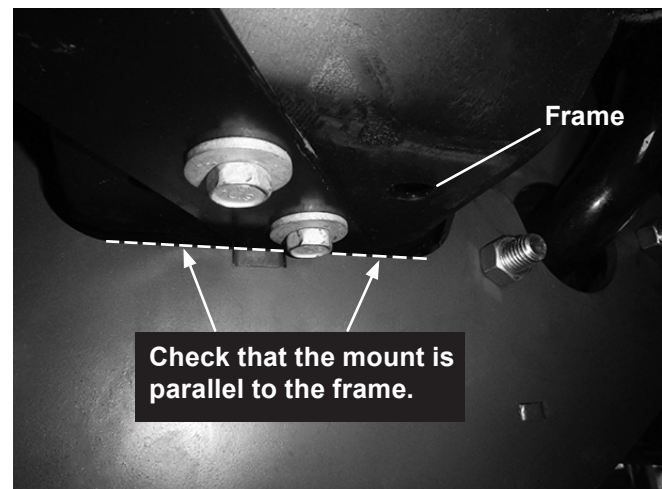
3. Position the driver-side mount over the frame, and install two 1/2" x 5" Grade 8 cap screws through the mount, frame, and tow hook holes. Secure the fasteners with 1/2" locknuts. Hand tighten only.



4. Secure a rear plate to the rear of the driver-side mount using two 1/2" x 1-1/2" cap screws and 1/2" locknuts. Center the rear plate over the cap screw as shown, then tighten the fasteners to secure the rear plate to the mount.

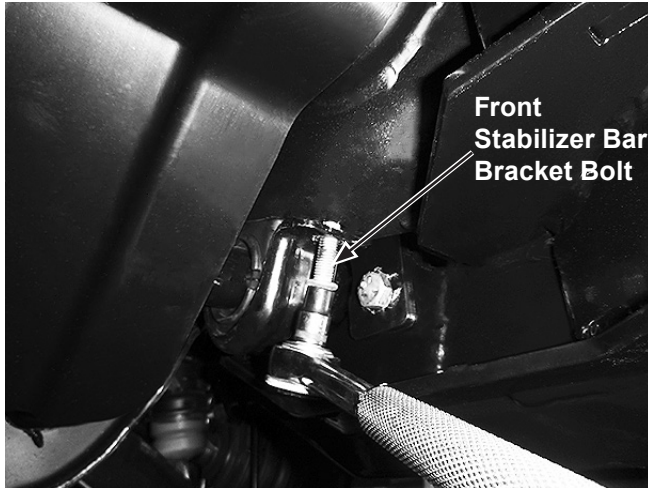


5. Check that the mount is parallel to the frame in the location shown. Make adjustments as necessary, then tighten the fasteners installed in Step 3.

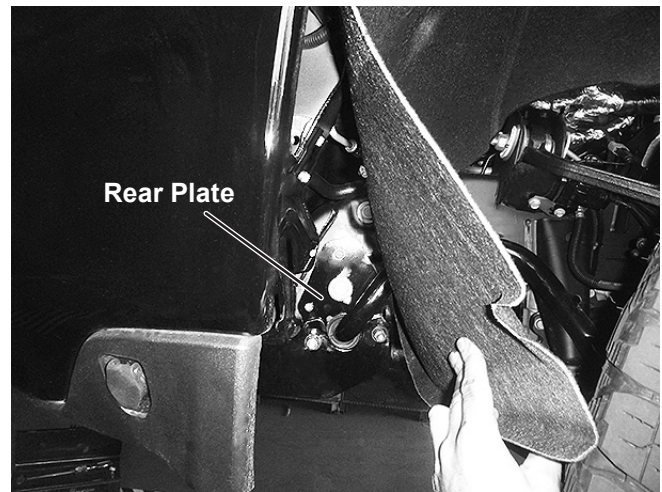




6. Turn the front stabilizer bar bracket bolt three quarters of the way out. Do not remove the bolt. This adjustment will allow drill clearance for Step 8.



7. Remove several of the fender wall fasteners to enable drill access to the rear plate.

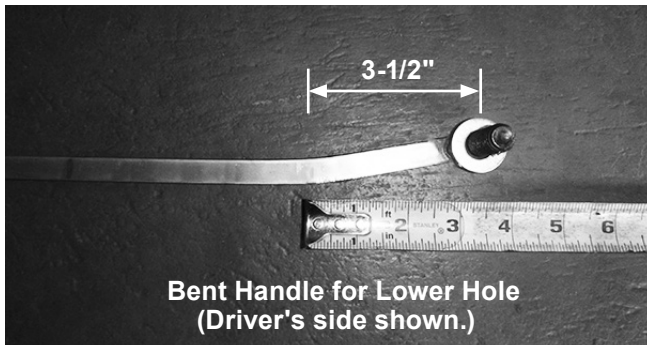
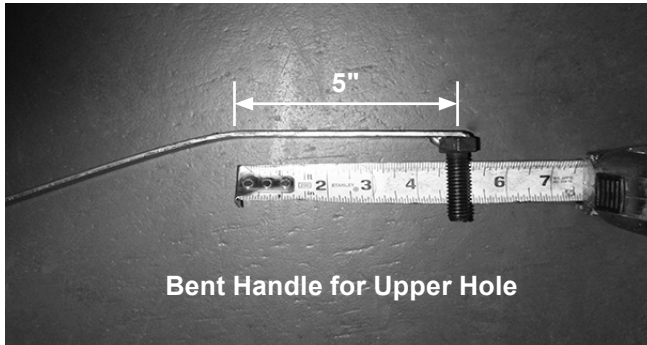


**⚠ CAUTION**

Before drilling any holes, check to be sure that no vehicle wiring or other components could be damaged.

8. Use the rear plate as a guide to drill two 17/32" holes through the frame of the vehicle.

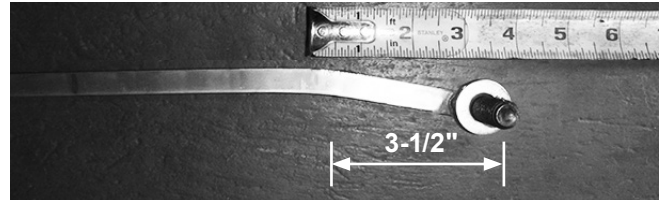
9. Bend two of the 1/2" x 1-1/2" cap screws with handles as shown below. Place a 1/2" washer on each of the cap screws with handles. Insert the cap screws into the frame and out through the holes drilled in Step 8. Secure the fasteners with 1/2" locknuts.



10. Properly tighten the stabilizer bar bracket bolt that was loosened in Step 6.

11. Bend or trim off the excess length of the cap screw handles.

12. Repeat Steps 2–11 on the passenger's side of the vehicle, bending the cap screw handle for the passenger's side (in Step 9) as shown below.



13. Reinstall the fender wall fasteners, and properly secure the harness moved in Step 2.
14. Tighten all fasteners according to the torque chart.

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**NOTE:** The lower bumper skirt removed in Step 1 can be reinstalled if desired, but is not necessary. Certain body trim packages may require minimal trimming.

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

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