

Lit. No. 64186
November 15, 2002



CHEVY/GMC 2500/3500 4X4 1999 AND LATER MOUNT INSTALLATION INSTRUCTIONS

Model No. 3529

⚠ CAUTION

Read this document before installing the snowplow.

⚠ CAUTION

See your WESTERN® outlet for application recommendations. The Selection List has specific vehicle and snowplow requirements.

SAFETY

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 and Caution Label

⚠ WARNING

LOWER BLADE WHEN VEHICLE IS PARKED.
REMOVE BLADE ASSEMBLY BEFORE PLACING VEHICLE ON HOIST.
DO NOT EXCEED GVWR OR GAWR INCLUDING BLADE AND BALLAST.

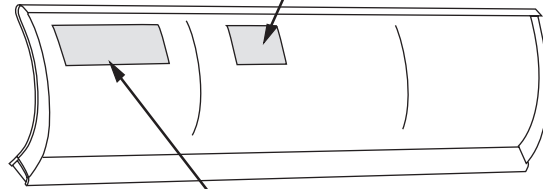
⚠ CAUTION

READ *OWNER'S MANUAL* BEFORE OPERATING OR SERVICING SNOWPLOW.
TRANSPORT SPEED SHOULD NOT EXCEED 45 MPH.
REDUCE SPEED UNDER ADVERSE TRAVEL CONDITIONS.
PLOWING SPEED SHOULD NOT EXCEED 10 MPH.
SEE YOUR WESTERN OUTLET FOR APPLICATION RECOMMENDATIONS.

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WARNING/CAUTION & INSTRUCTION LABELS

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



Instruction Label

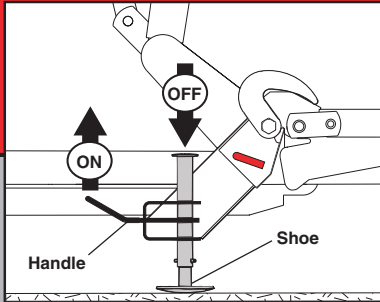
UltraMount[®] SYSTEM INSTRUCTIONS

MOUNTING PLOW (ON)

Read Owner's Manual for complete instructions.

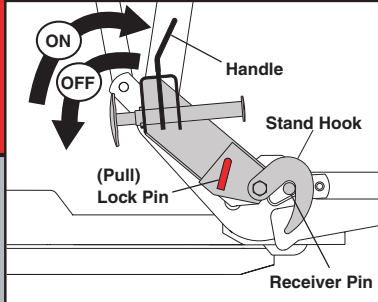
STEP 1

After seating plow horns in receiver brackets, pull Handle up; Shoe will lift off the ground.



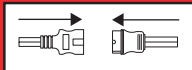
STEP 2

Pull and hold Lock Pin out; then rotate Handle UP and release Lock Pin. It must lock into UPPER hole. Stand Hook must grip Receiver Pin.



STEP 3

Plug in electrical connections. Repeat steps 1 and 2 on other side of plow.

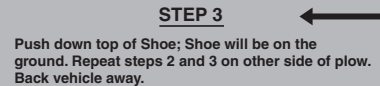


REMOVING PLOW (OFF)

Read Owner's Manual for complete instructions.


STEP 3

Push down top of Shoe; Shoe will be on the ground. Repeat steps 2 and 3 on other side of plow. Back vehicle away.



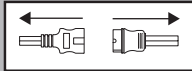
STEP 2

Pull and hold Lock Pin out; then rotate Handle DOWN and release Lock Pin. It must lock into LOWER hole.



STEP 1

After lowering blade and turning control off, disconnect electrical connections.



Patents: US 4,280,062; 4,999,935; 5,420,480; RE 35,700; 6,145,222; 6,209,231; 6,253,470; CAN 2,060,425; patents pending.

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SAFETY

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 current selection list 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.

SAFETY

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.

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 wearing proper 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.			

TORSION BAR ADJUSTMENT

CAUTION

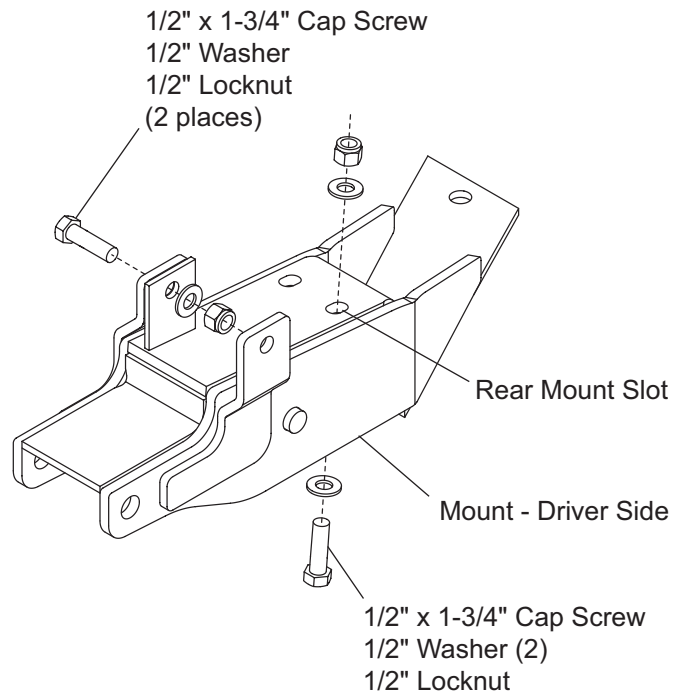
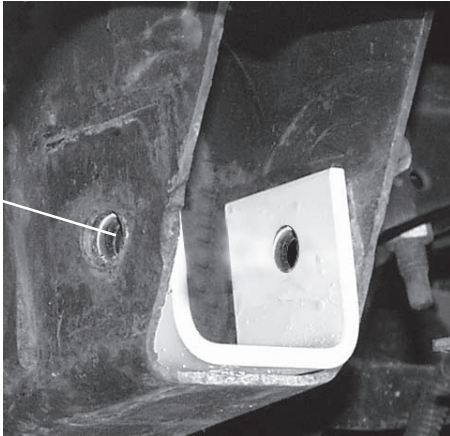
To help avoid personal injury, refer to Z-height setting procedure as prescribed by General Motors before adjusting torsion bars. If torsion bars are adjusted for aftermarket equipment, be sure to return them to specification when the equipment is removed. Otherwise, a front shock absorber may dislodge and damage a front brake line. This could result in an accident when minimum stopping distances are required.

MOUNT INSTALLATION

INSTALLATION INSTRUCTIONS

1. Remove the tow hooks. They will not be reinstalled.
2. Place spacer (U-shaped part) inside frame and align with tow hook holes.
3. Beginning with one mount, align the forward mount holes with holes in frame. Insert two 1/2" cap screws through the forwardmost holes and fasten loosely with flat washer and locknuts. Insert one 1/2" cap screw up through mount and bottom of frame. If necessary, ream vehicle frame using rear mount slot as a guide. Use a washer on both mount and nut side.

**Tow
Hook
Hole**



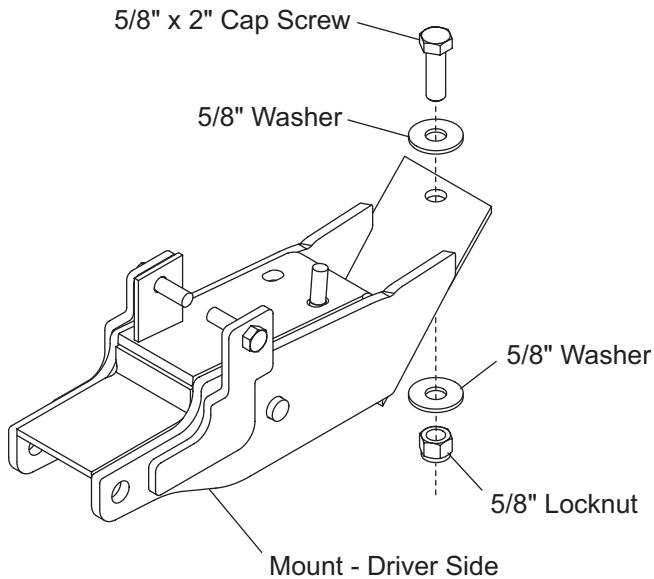
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MOUNT INSTALLATION

INSTALLATION INSTRUCTIONS

(Continued)

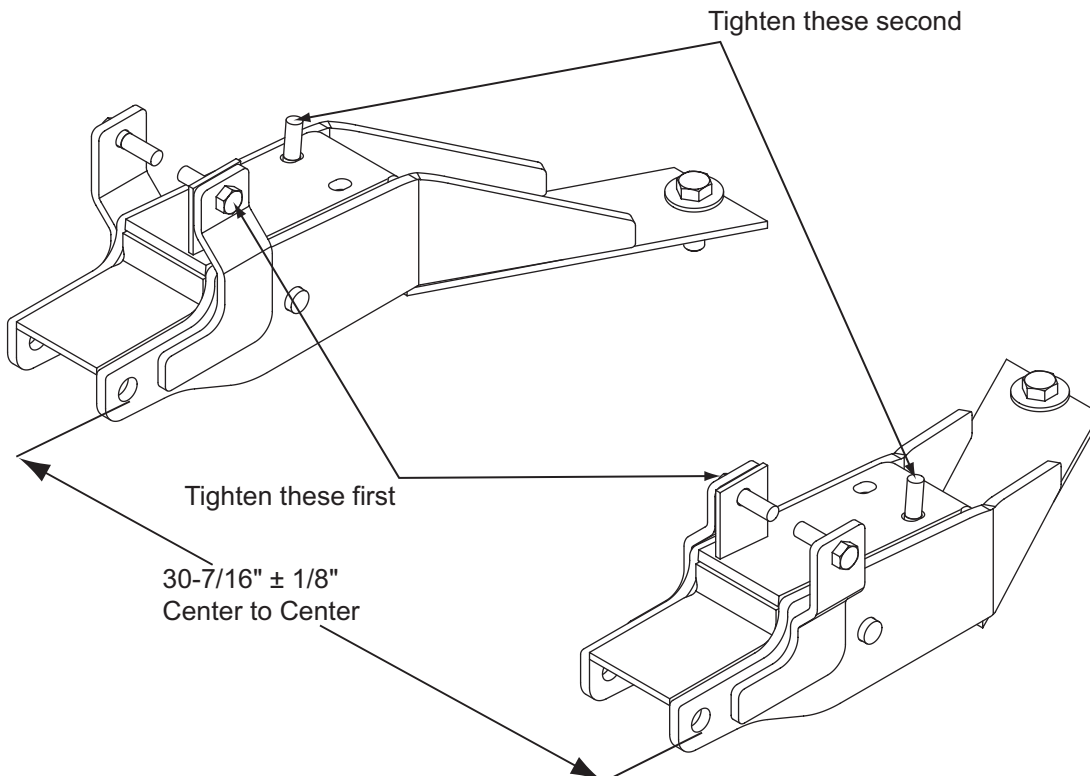
4. With the rear section of the mount in place, insert a 5/8" x 2" cap screw and washer down through frame crossmember and fasten loosely with a 5/8" washer and 5/8" locknut.



NOTE: The cap screws and washers can be placed by passing them through the opening just under the lower A-arm first and then positioning them in place at the cross member hole.

5. Repeat steps 2–3 for opposite side mount.
6. Tighten the inner tow hook fasteners followed by the bottom tow hook fasteners. Check for a U-bracket distance of $30-7/16" \pm 1/8"$. If U-bracket distance is acceptable, then tighten all remaining fasteners. If U-bracket distance is not within $30-7/16" \pm 1/8"$, then 1/2" flat washers may be used to shim one or both plates in the appropriate direction to obtain the desired dimension.
7. Tighten all fasteners after achieving appropriate dimensions per torque chart provided on Page 3 of these instructions.

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





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