

77801 MOUNT KIT

Mack MD6

2022—__

Installation Instructions

⚠ CAUTION

Read this document before installing the snowplow.

⚠ CAUTION

See your sales outlet/website for specific vehicle application recommendations before installation. The online selection system has specific vehicle and snowplow requirements.

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

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.

Become familiar with and inform users about the warning 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 Blade can drop unexpectedly, crushing or trapping limbs. Lower blade when vehicle is parked. Overloading could negatively affect vehicle handling. To avoid serious injury or death, 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 (72 km/h). Further reduce speed under adverse travel conditions. Plowing speed should not exceed 10 mph (16 km/h). See your sales outlet/website for specific vehicle application recommendations.






www.





XLS™ Blades Only
(both sides)

US Patents 7,400,556; 7,681,334; 7,797,859; 9,250,418; 9,822,563; 10,793,056.
 CAN patents 2,843,990, and other patents pending.

Read Owner's Manual for complete instructions.

- Place control in Lower/Float to put blade down.
- Pull and hold Jack Lock out, Jack will drop to ground. Then pull Pin Release Handle away from Stop and Jack Lock. Release Jack Lock. Verify that Jack is locked by trying to lift Jack.
- Stand in front of blade. While pushing Headgear toward vehicle with left hand, push Pin Release Handle down to disengage Connecting Pins. Make sure Connecting Pins are fully retracted. If unable to push Headgear from in front of blade, stand in front of Headgear on driver side and push Headlamp Bracket.
- Detach all electrical connectors.

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, GAWR, or maximum vehicle load capacity, including the blade and ballast.

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.

WARNING

Vehicle mount reduces ground clearance. Use additional caution when driving vehicle with mount installed. Remove vehicle mount to restore original vehicle ground clearance at the end of the plowing season.

CAUTION

Refer to the online selection system 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 95 dB(A) for the snowplow operator.

VIBRATION

Operating snowplow vibration does not exceed 2.5 m/s² to the hand-arm or 0.5 m/s² to the whole body.

TORQUE CHART

CAUTION

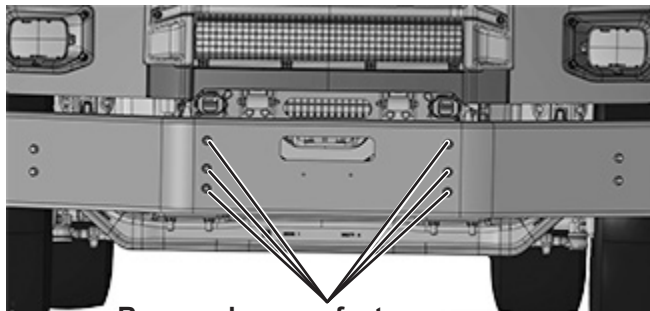
Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow, including proper personal protective safety equipment.

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.					

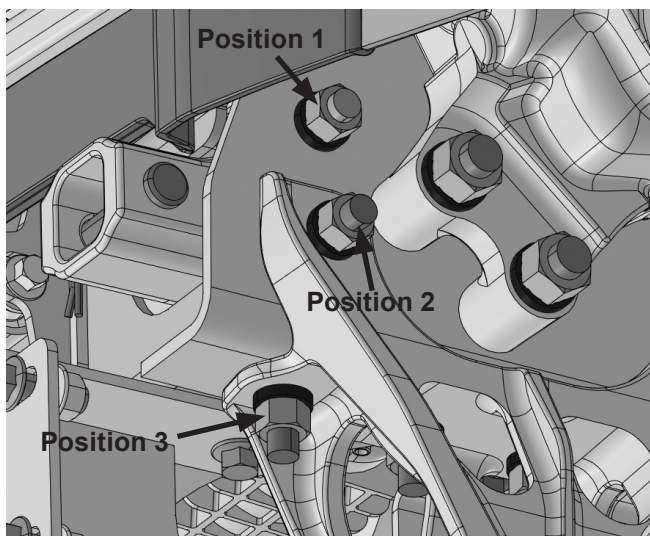
INSTALLATION INSTRUCTIONS

NOTE: For easier assembly and installation, the vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

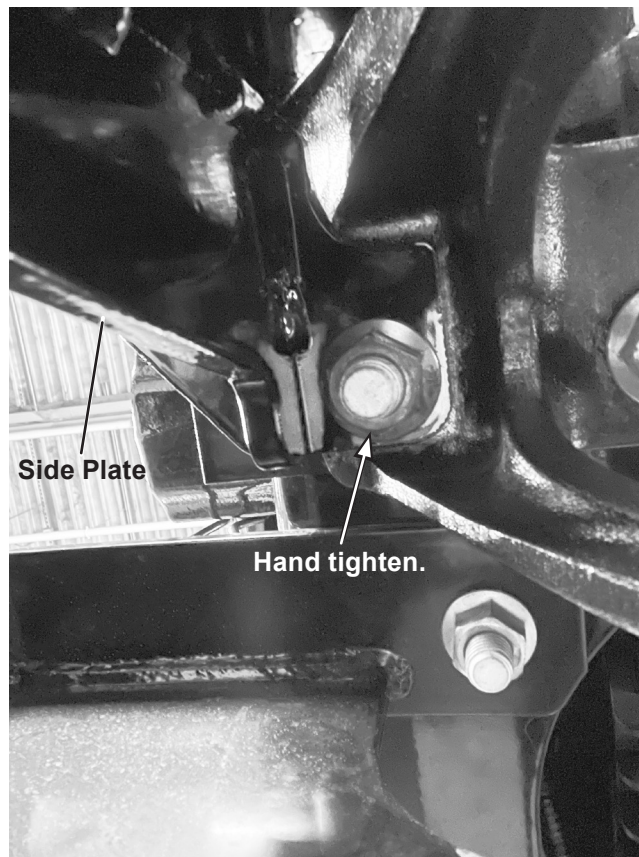
1. Remove the six fasteners that attach the front bumper. Save the bumper for reinstallation at the end of the mount installation.



2. Starting on the driver's side, remove the fasteners in position 1 and 2 (as shown below). Save the fastener from position 2 for reinstallation. Remove the nut from the fastener in position 3 and keep for reinstallation, keeping the cap screw in place.



3. While holding the driver-side side plate in place, hand tighten the nut saved from Step 2 position 3 to hold the side plate in place.



4. Use the retained fastener from position 2 in position 1. Insert the supplied 5/8" x 7" cap screw in position 2 and secure it with a 5/8" locknut. Hand tighten the locknut.



5. Once all three fasteners are hand tightened, repeat Steps 2–4 on the passenger's side.

6. Using a floor jack, hold the mount beam in place between the driver-side and passenger-side side plates. Insert eight 5/8" x 2-1/2" cap screws (four on each side plate) and secure each cap screw with a 5/8" locknut.



7. Starting on the driver's side, secure the driver-side thrust plate to the mount beam with three 5/8" x 2" cap screws. Fasten each cap screw with a 5/8" locknut and tighten hand tight.

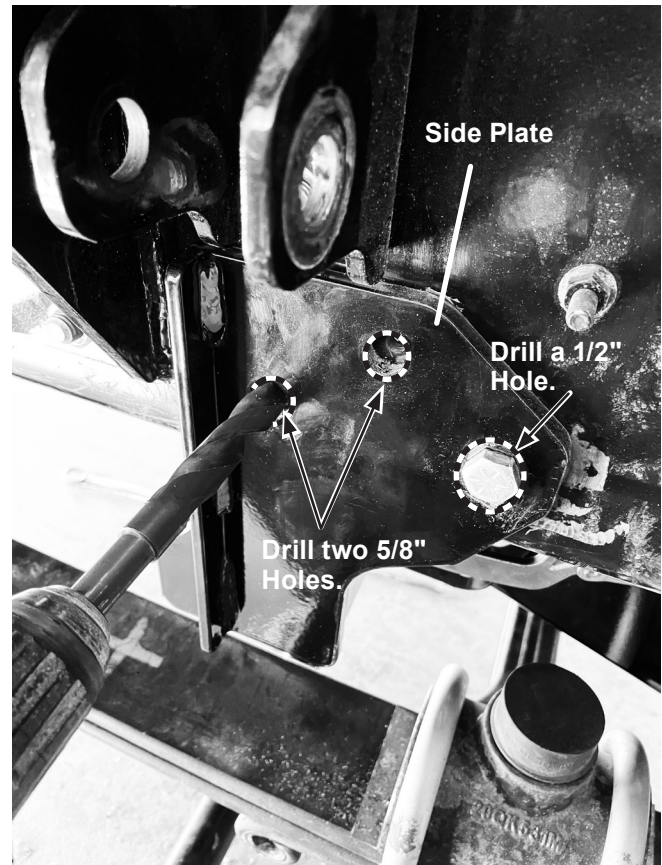
NOTE: The bent flanges on the thrust plates will face toward the middle of the vehicle.

8. Repeat Step 7 on the passenger's side.
9. On the driver's side, open the hood and remove the plastic inner fender and shock absorber. Repeat on the passenger's side.
10. Carefully maneuver the push beam assembly into place on the frame of the vehicle. Using the supplied 5/8" x 2" cap screws, align the push beam with the thrust plates, making sure not to pinch or catch on any hoses or wires running in the area.
11. Once the push beam is located by the thrust plates, ensure that it is flush against the bottom of the frame. Using clamps, clamp the push beam to the frame. If the beam is difficult to move, ensure that the thrust plate fasteners are not too tight.
12. Once the beam is flush with the bottom of the frame and clamped in place, torque all fasteners according to the torque chart.

⚠ CAUTION

Use caution not to pinch, cut, or drill through any wires or hoses running along the frame rail.

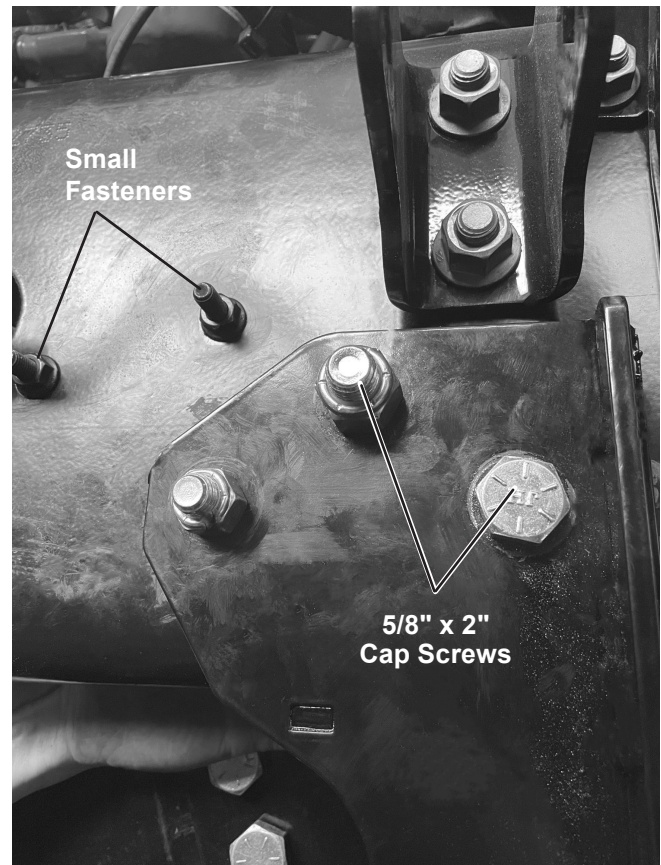
13. With the inner fender and shock absorber removed, use the side plates of the push beam as a guide to drill two 5/8" holes and one 1/2" hole in the frame.



14. Secure the push beam in place with two 5/8" x 2" cap screws and one 1/2" x 1-3/4" cap screw. Secure the cap screws with the respective-sized locknuts.



NOTE: The two smaller fasteners can be removed and reinstalled in order to allow more clearance when installing the fasteners.



15. Reinstall the shock absorber and inner fender.
16. Repeat Steps 9–15 on the passenger's side.
17. Once both the driver- and passenger-side of the push beam are installed, torque the fasteners according to the torque chart and remove the clamps.
18. Reinstall the front bumper using the supplied bumper spacers and secure with six 1/2" x 2-3/4" cap screws and six 1/2" locknuts. Torque all fasteners according to the torque chart.

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

The company 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. This equipment manufacturer or the vehicle manufacturer may require or recommend optional equipment for snow removal. Do not exceed vehicle ratings with a snowplow. The company offers a limited warranty for all snowplows and accessories. See separately printed page for this important information.

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