

32560

MOUNT KIT COMPACT PLOW

Toyota Tacoma 2024—__

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.

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.

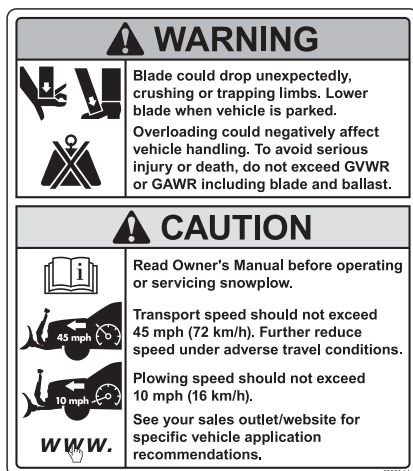
NOTE: Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

WARNING/CAUTION & INSTRUCTION LABELS

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

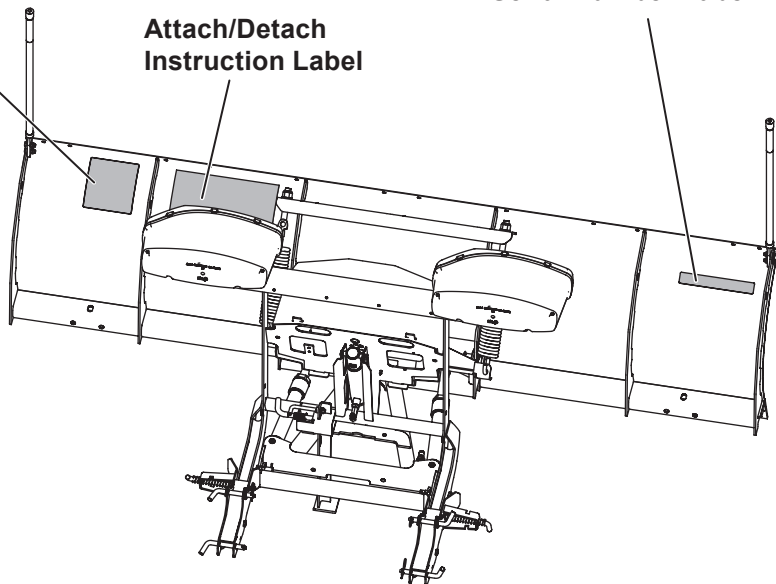
NOTE: If labels are missing or cannot be read, see your sales outlet.

Warning/Caution Label



Attach/Detach Instruction Label

Serial Number 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 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/T-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 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 70 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

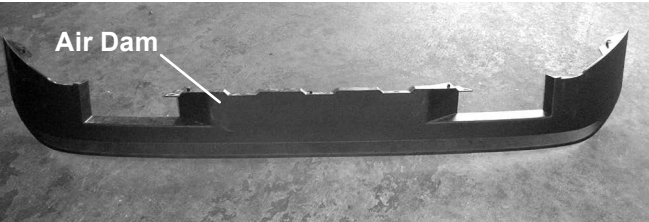
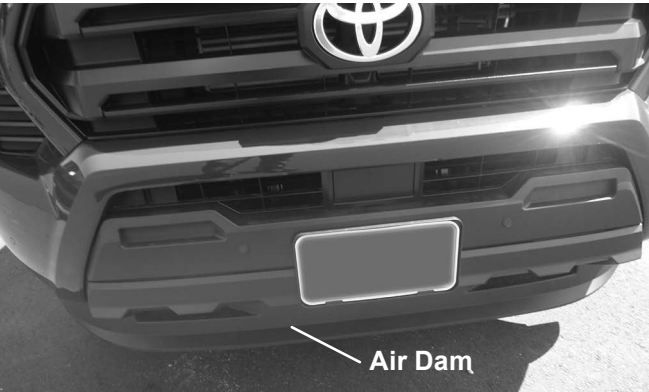
Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow, including proper personal protective safety equipment.

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.					

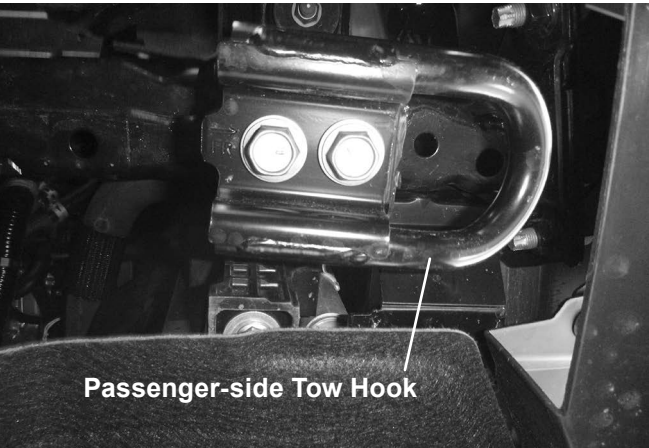
INSTALLATION INSTRUCTIONS

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

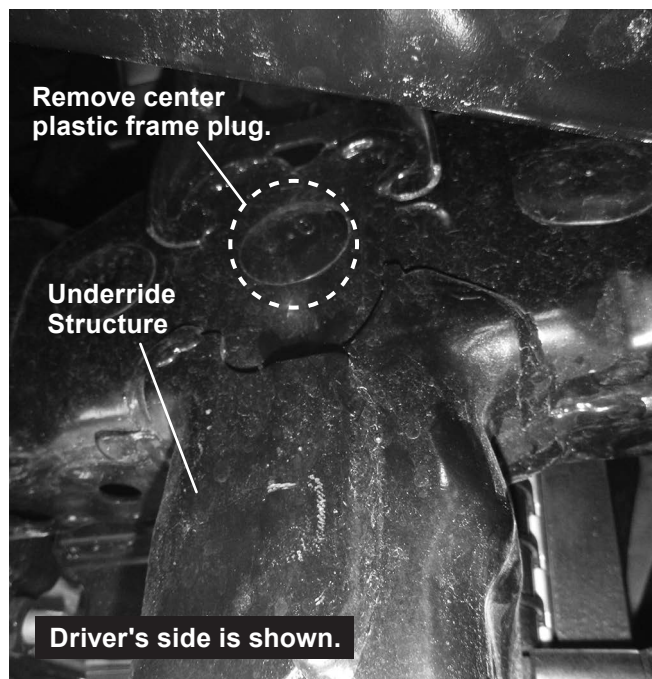
1. Remove the plastic air dam from the vehicle. Save the air dam and fasteners for reinstallation in Step 15.



2. If the vehicle is equipped with tow hooks, remove the tow hooks from the left and right underride structures located underneath the vehicle. Save the fasteners for reinstallation in Step 5. Save the tow hooks for reinstallation if the snowplow mount is removed.



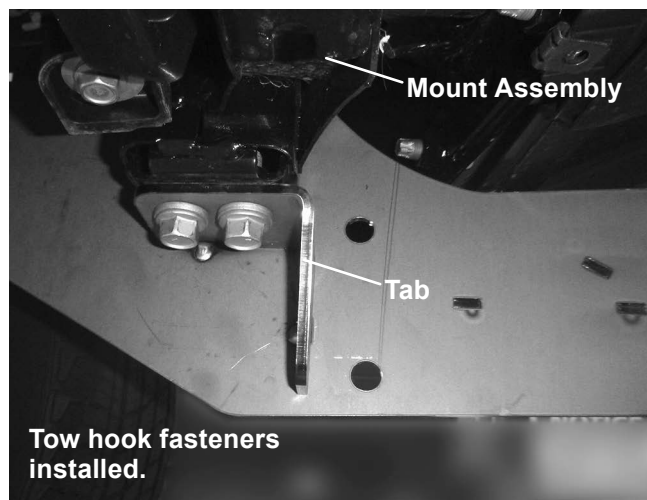
3. Remove the plastic frame plug centered above the underride structure on the driver-side and passenger-side outer frame rails. Save the frame plugs for reinstallation if the snowplow mount is removed.



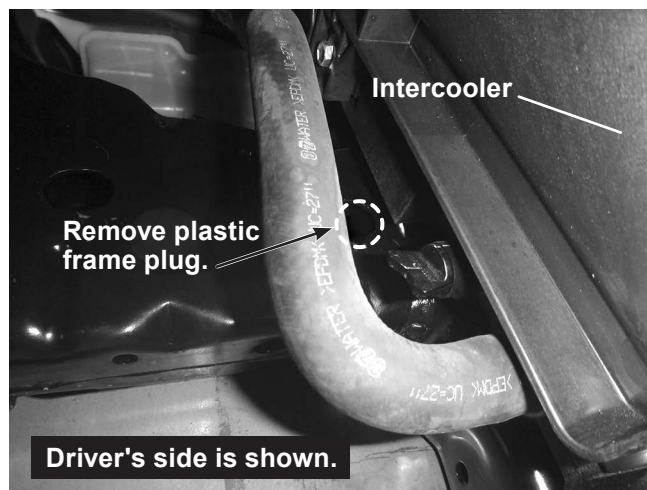
4. Remove the plastic frame plugs located near the front axle on the driver-side and passenger-side outer frame rails. Save the frame plugs for reinstallation if the snowplow mount is removed.



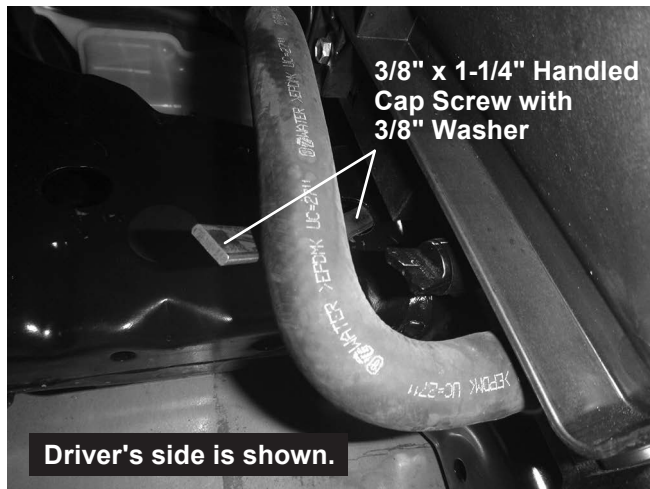
5. Starting on the driver's side, position the driver-side plate assembly against the outer frame rail and underride structure as shown. Secure the assembly by installing two of the tow hook fasteners (removed in Step 2) through the tab on the assembly as shown. If the vehicle was not equipped with tow hooks, use two M12 fasteners with washers as shown in the Parts List (Lit. No. 32744). Tighten the fasteners according to the torque chart.



6. On the inboard side of the driver-side frame rail, remove the plastic frame plug located behind the intercooler as shown. Save the frame plug for reinstallation if the snowplow mount is removed.

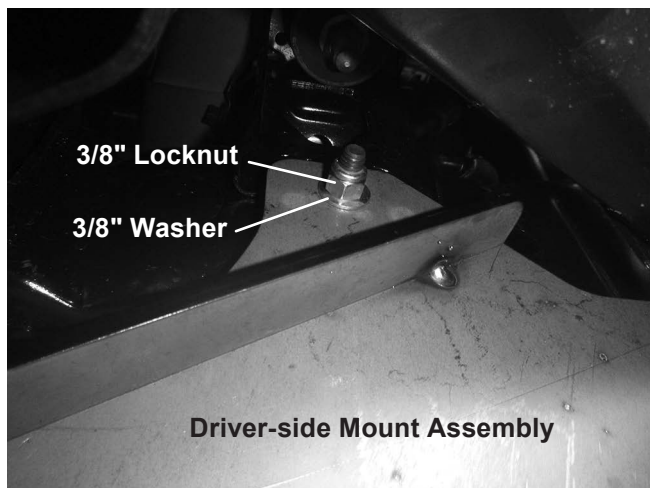


7. Place a 3/8" washer on a 3/8" x 1-1/4" handled cap screw, and insert it through the access hole opened in Step 6.

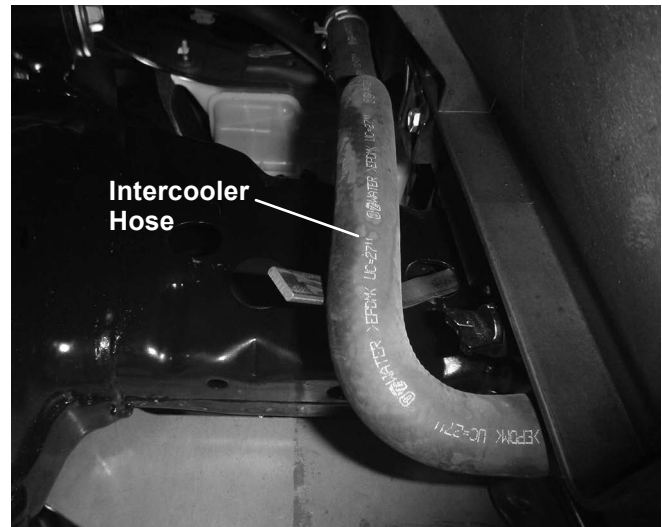


Note: It is recommended to secure the washer to the handled cap screw by using tape to prevent dropping the washer inside of the frame.

8. Carefully work the handled cap screw out through the front hole of the driver-side plate assembly. Slightly bend the handle as needed to allow the cap screw to protrude through the mount assembly. Secure the handled cap screw with a 3/8" washer and 3/8" locknut. Tighten according to the torque chart.



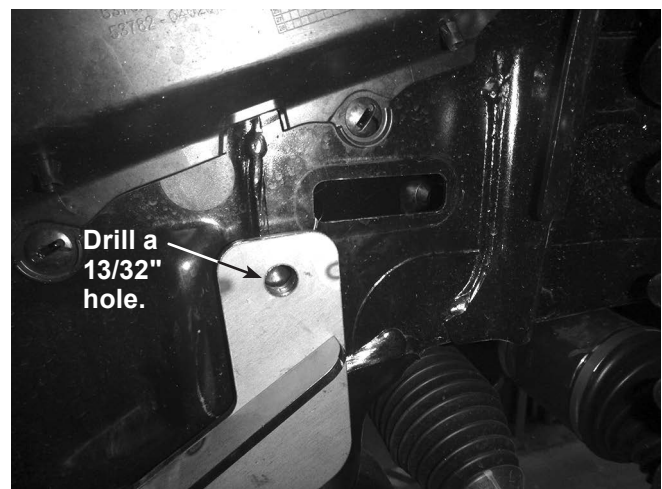
9. Trim or bend the excess handle length left after installation of the handled cap screw in Step 8, to prevent chafing/interference with the intercooler hose.



⚠ CAUTION

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

10. Use the rear hole of the mount assembly as a guide to drill a 13/32" hole through the frame rail.

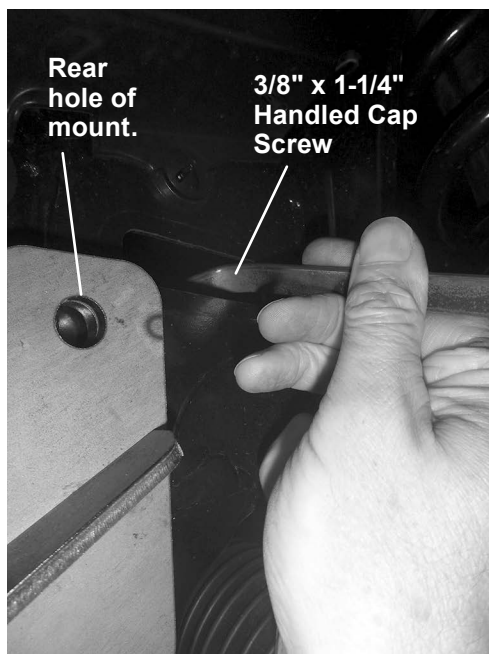


11. Bend the handle of a 3/8" x 1-1/4" handled cap screw as shown, and place a 3/8" washer on the cap screw.

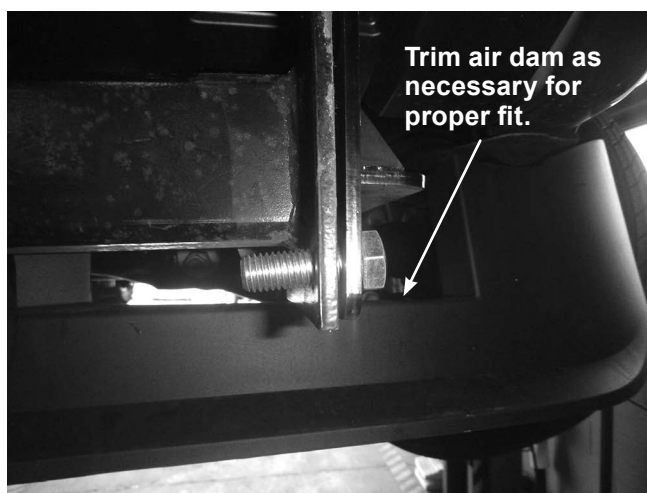


Note: It is recommended to secure the washer to the handled cap screw by using tape (as above) to prevent dropping the washer inside of the frame.

12. Insert the handled cap screw with washer through the rear access slot. Carefully work the handled cap screw out through the rear hole of the mount, and secure with a 3/8" locknut. Tighten locknut according to the torque chart.



13. Repeat Steps 5–12 on the passenger's side of the vehicle.
14. Install the mount beam between the driver-side and passenger-side plate assemblies. Secure the mount beam with eight 1/2" x 1-1/4" cap screws and 1/2" locknuts. Tighten the fasteners according to the torque chart.
15. Position the air dam (removed in Step 1) as close to its original position as possible. Mark and trim the air dam as necessary to allow proper fit around the driver-side and passenger-side plate assemblies and mount beam, then reinstall the air dam using the original fasteners.



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

NOTE: It may be necessary to disable the PCS (Pre-Collision System) and other driver support systems when operating the vehicle with a snowplow attached. See vehicle owner's manual for more information.

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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