

33929 MOUNT KIT

Dodge Dakota 4X4

2005 - ____

Installation Instructions

⚠ CAUTION

Read this document before installing the snowplow.

⚠ CAUTION

See your sales outlet/Web site for specific vehicle application recommendations before installation. The Selection List/Undercarriage 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, 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.

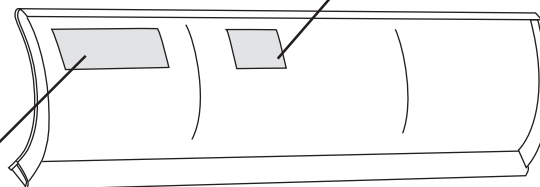
WARNING/CAUTION & INSTRUCTION LABELS

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

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

Warning and Caution Label

⚠ WARNING
LOWER BLADE WHEN VEHICLE IS PARKED. DO NOT EXCEED GVWR OR GAWR INCLUDING BLADE AND BALLAST. REMOVE BLADE ASSEMBLY BEFORE PLACING VEHICLE ON HOIST.
⚠ CAUTION
READ <i>OWNER'S MANUAL</i> BEFORE OPERATING OR SERVICING SNOWPLOW. TRANSPORT SPEED SHOULD NOT EXCEED 45 MPH. FURTHER REDUCE SPEED UNDER ADVERSE TRAVEL CONDITIONS. PLOWING SPEED SHOULD NOT EXCEED 10 MPH. SEE YOUR SALES OUTLET/WEB SITE FOR SPECIFIC VEHICLE APPLICATION RECOMMENDATIONS.



Attach/Detach 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 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

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.

⚠ WARNING

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.

⚠ WARNING

Remove blade assembly before placing vehicle on hoist.

⚠ CAUTION

Refer to the Kit Selection Guide/Selection List for minimum vehicle recommendations and ballast requirements.

PERSONAL SAFETY

- Remove 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 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.

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 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.

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.			

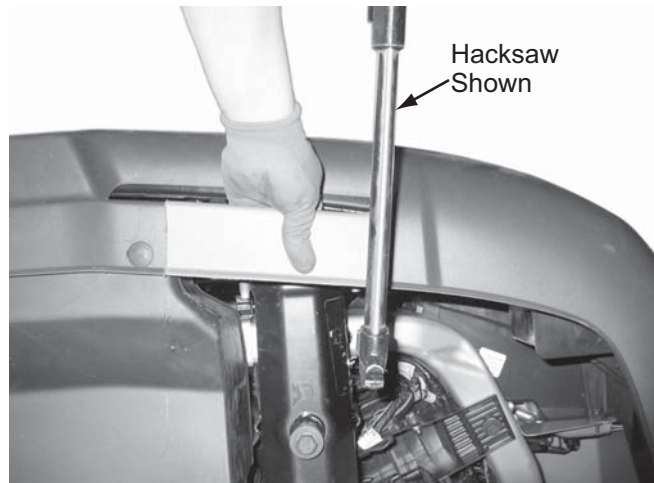
INSTALLATION INSTRUCTIONS

⚠ CAUTION

Snowplow headlamps may interfere with grille when opening the hood. Remove the snowplow when opening the hood.

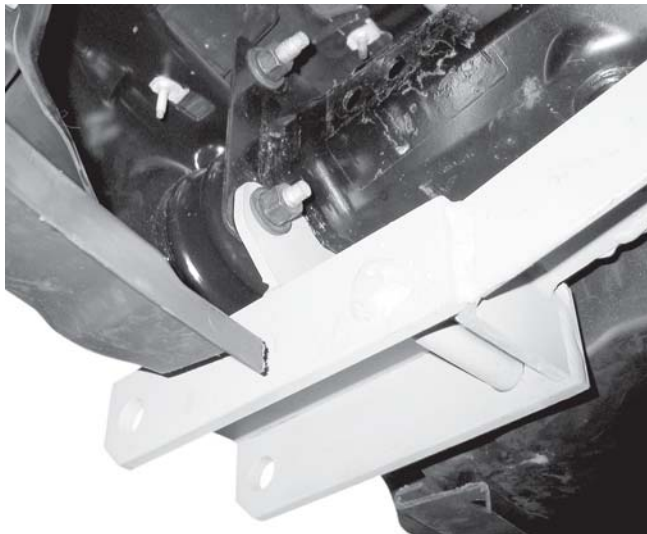
NOTE: For easier assembly and installation, vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

1. On the driver's side, cut the lower section of the front bumper as shown.



2. Remove the three fasteners connecting the front bumper to the vehicle frame, leaving the uppermost fastener on the outside of the bumper bracket. Retain the fasteners. If applicable, remove tow hooks at this time. The tow hooks cannot be used with the mounts installed. Retain tow hooks and fasteners for reinstallation if snowplow is removed.

3. Align the front holes of the driver-side vehicle mount with the three studs protruding through the vehicle frame from the bumper. Reuse the bumper fasteners to hold the mount in place as shown.



4. Hold the mount tight to the bottom of the frame using a clamp or a floor jack.

⚠ CAUTION

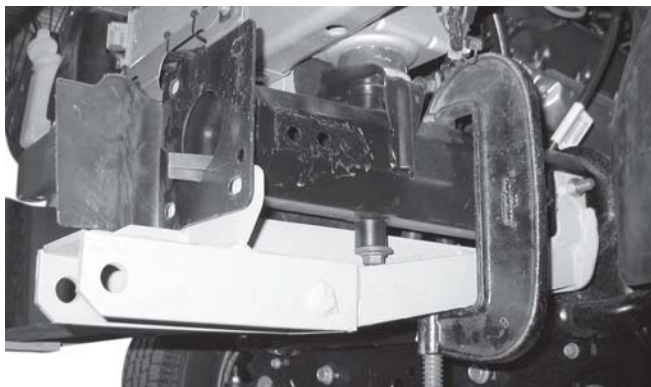
Use caution not to pinch, cut, or drill through any wires or hoses running along the frame rails.

- Using the rear holes in the mount as guides, drill two 17/32" holes through the truck frame.

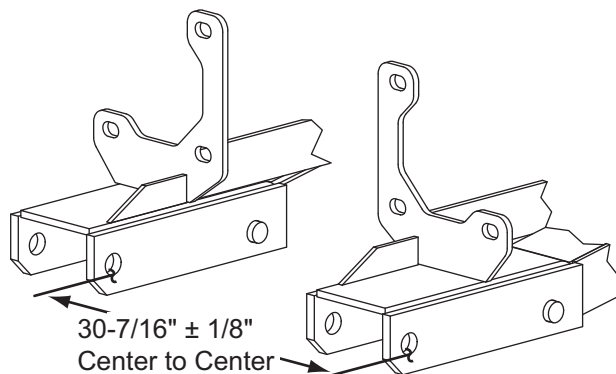


- Repeat Steps 1–5 on the passenger's side of the vehicle.
- Remove both mounts and the front bumper assembly from the vehicle. Retain the fasteners.
- Align the vehicle mounts with the holes drilled in the frame. Place a 1/2" washer onto a 1/2" cap screw with handle, and insert the cap screw into the truck frame. Pass the cap screw out through the hole in the truck frame and the hole in the rear tab of the mount. Place a 1/2" locknut on the cap screw and hand tighten. Repeat for all four drilled holes.

9. Bend or cut the ends of the cap screw handles protruding out of the truck frame to allow for bumper reinstallation.
10. Using clamps to hold the front plates of the vehicle mounts aligned with the holes in the front flanges of the frame, reinstall the bumper through both the frame flanges and the mounts. Reuse the fasteners retained in Steps 2 and 7. Hand tighten the fasteners.



11. Realign the bumper assembly with the vehicle for proper appearance. Tighten the two uppermost outer fasteners to hold the bumper in alignment. Measure the distance between the vehicle mount U-brackets. Adjust this distance to be $30\text{-}7/16\text{''} \pm 1/8\text{''}$ center-to-center, and tighten the six remaining bumper fasteners according to the torque chart.



12. Tighten the four fasteners to the rear of the mount 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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