



# 33929 MOUNT KIT

Dodge Dakota

2005 -     

## Installation Instructions

**⚠ 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.

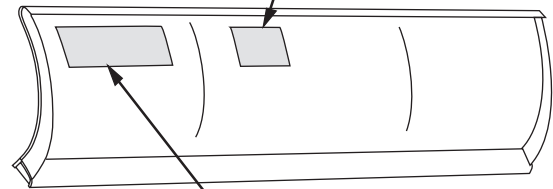


### CAUTION

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 SALES OUTLET FOR APPLICATION RECOMMENDATIONS.

## WARNING/CAUTION & INSTRUCTION LABELS

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



## Instruction Label

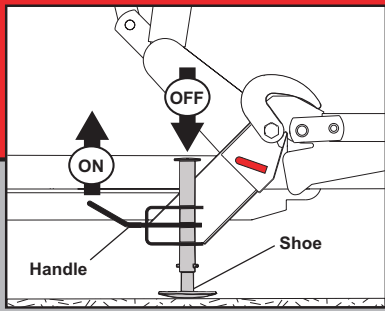
UltraMount<sup>®</sup> INSTRUCTIONS

### MOUNTING PLOW (ON)

Read Owner's Manual for complete instructions.

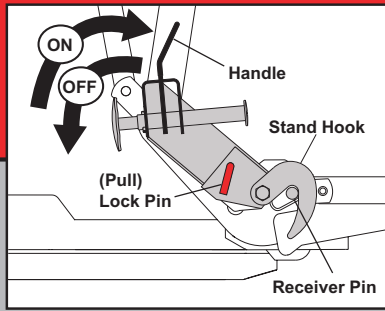
**STEP 1**

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



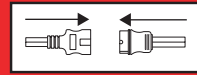
**STEP 2**

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.



**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.

### REMOVING PLOW (OFF)

Read Owner's Manual for complete instructions.

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Patents: US 4,999,935; 5,420,480; RE 35,700; 6,145,222; 6,209,231; 6,253,470; 6,526,677; CAN 2,060,425; patents pending.

# 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 proper personal protective safety equipment.

<b>Recommended Fastener Torque Chart (Ft.-Lb.)</b>			
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
<b>Metric Grade 8.8 (Ft.-Lb.)</b>			
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.			

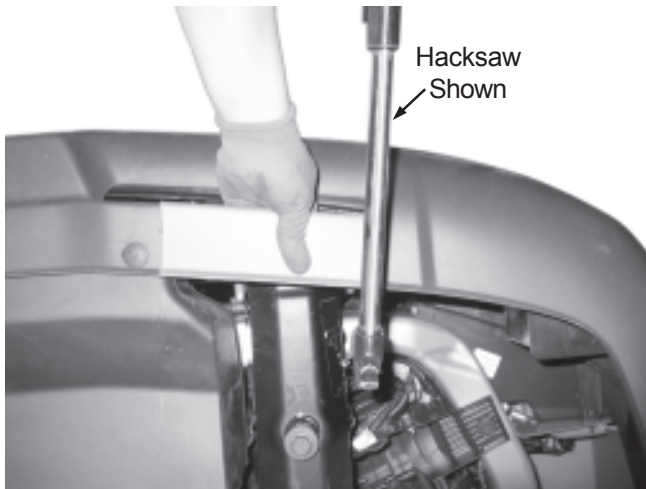
# MOUNT INSTALLATION

## MOUNT ASSEMBLY

### **⚠ CAUTION**

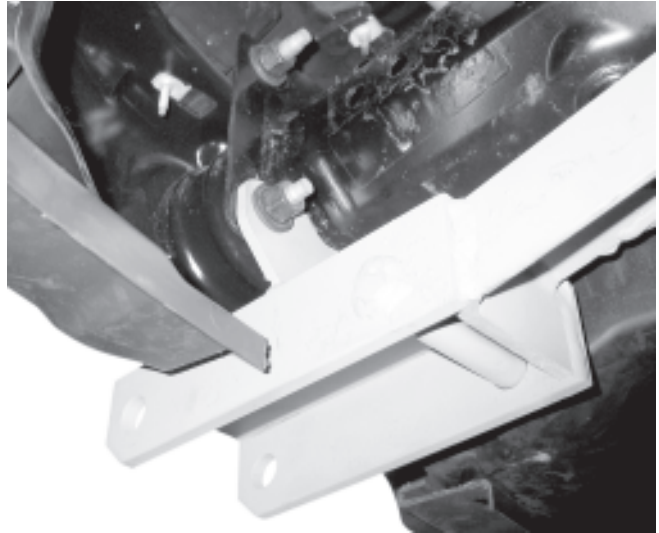
**Snowplow headlamps may interfere with grille when opening the hood. Remove the snowplow when opening the hood.**

1. On the driver 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.

## MOUNT INSTALLATION

### **⚠ CAUTION**

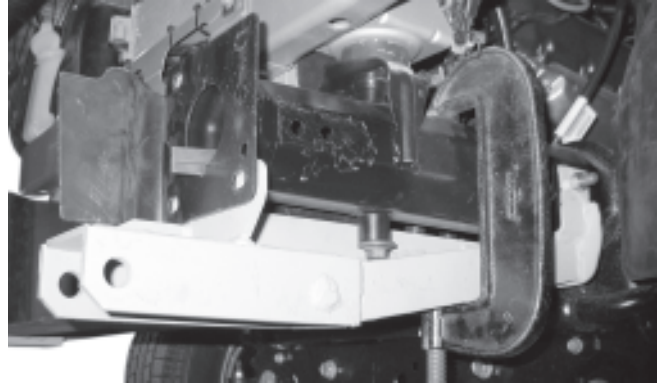
**Use caution not to pinch, cut, or drill through any wires or hoses running along the frame rails.**

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

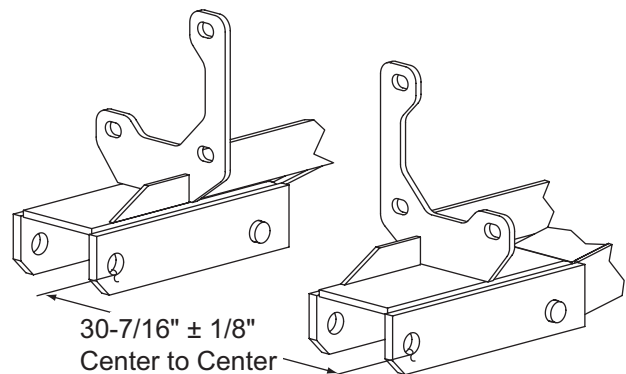


- Repeat Steps 1–5 on the passenger side of the vehicle.
- Remove both mounts and the front bumper assembly from the vehicle. Retain the fasteners.
- Align the vehicle mounts with the holes drilled in the frame. Place a 1/2" washer onto a 1/2" bolt with handle, and insert the bolt into the truck frame. Pass the bolt 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 bolt, and hand tighten. Repeat for all four drilled holes.

- Bend or cut the ends of the bolt handles protruding out of the truck frame to allow for bumper reinstallation.
- 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.



- 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 30-7/16" center-to-center, and tighten the six remaining bumper fasteners according to the torque chart.



- 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.**



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