



## **MOUNT KIT**

**Dodge Dakota**

**2005 - 11**

### **Installation Instructions**

**⚠ CAUTION**

Read this document before installing the snowplow.

**⚠ CAUTION**

See your FISHER® outlet/website for specific vehicle application recommendations before installation. The eMatch tool 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.

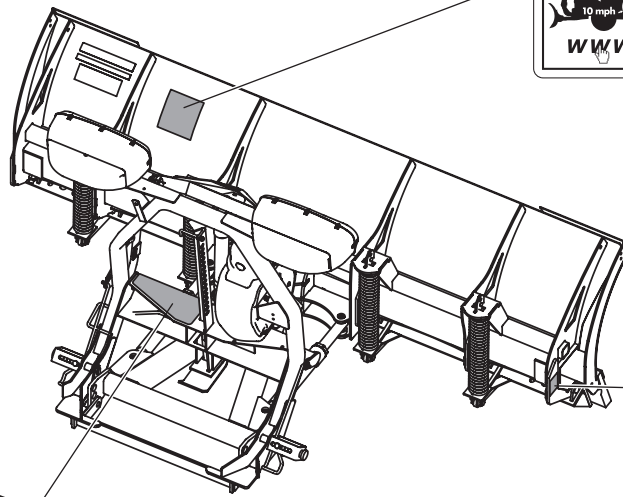
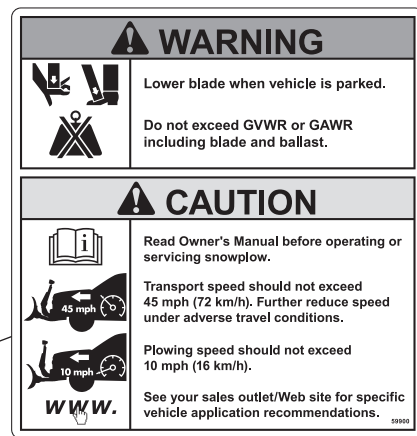
**NOTE:** Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

**WARNING/CAUTION AND INSTRUCTION LABELS**

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/Caution Label



Multiple Pinch Points Label



**XLSTM™ Blades Only  
(both sides)**

Instruction Label

1. Place control in Lower/Float to put blade down.  
 2. 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.  
 3. 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.  
 4. Detach all electrical connectors.

1. Push Pin Release Handle down to pull out Connecting Pins.  
 2. Drive vehicle slowly to engage Pushplates into Attachment Arms.  
 3. Stand in front of blade. Fully raise Pin Release Handle to release Connecting Pins.  
 4. Push Headgear toward vehicle to allow Connecting Pins to fully engage Pushplates. If unable to push Headgear from in front of blade, stand in front of Headgear on driver side and push Headlamp Bracket.  
 5. Pull out Jack Lock. Push Pin Release Handle into Stop.  
 6. While holding Jack Lock out, use Jack Handle to raise Jack fully. Release Jack Lock.  
 7. Attach all electrical connectors.

ATTACH  
DETACH

U.S. patents 5,638,616; 5,999,007; 6,253,470; 6,408,549; 6,526,677; 6,711,637;  
 6,928,757; 6,944,978; 7,400,050; 7,430,921; 7,691,334; 7,737,076; 7,797,809;  
 CAN patents 2,184,922; 2,229,783; 2,354,257; 2,356,036; 2,632,102; 2,639,052;  
 and other patents pending.

Read Owner's Manual for complete instructions.

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## 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 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 eMatch tool 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 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/s<sup>2</sup> to the hand-arm or 0.5 m/s<sup>2</sup> 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.**

<b>Recommended Fastener Torque Chart</b>					
<b>Inch Fasteners Grade 5 and Grade 8</b>					
<b>Size</b>	<b>Torque (ft-lb)</b>		<b>Size</b>	<b>Torque (ft-lb)</b>	
	 <b>Grade 5</b>	 <b>Grade 8</b>		 <b>Grade 5</b>	 <b>Grade 8</b>
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

<b>Metric Fasteners Class 8.8 and 10.9</b>					
<b>Size</b>	<b>Torque (ft-lb)</b>		<b>Size</b>	<b>Torque (ft-lb)</b>	
	 <b>Class 8.8</b>	 <b>Class 10.9</b>		 <b>Class 8.8</b>	 <b>Class 10.9</b>
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.

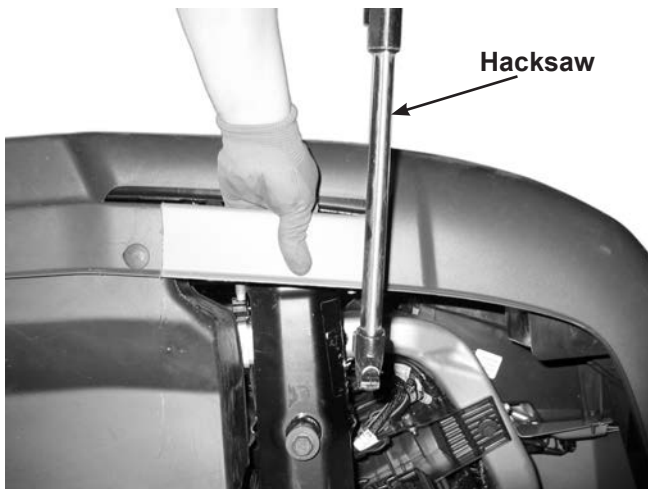
## INSTALLATION INSTRUCTIONS

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

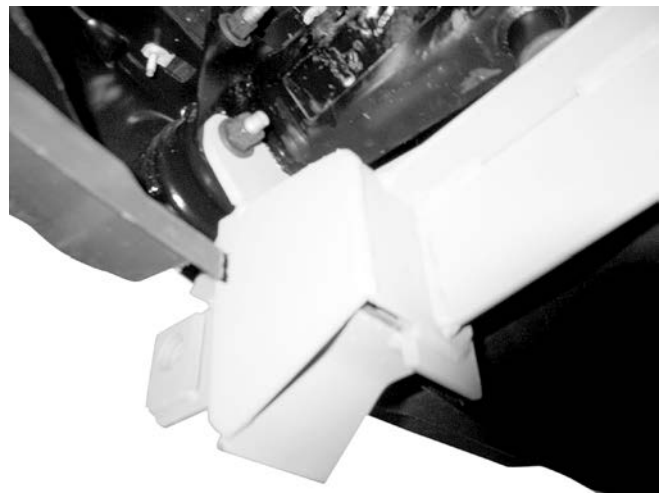
### **⚠ CAUTION**

**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 pushplate with the three studs protruding through the vehicle frame from the bumper. Reuse the bumper fasteners to hold the pushplate in place as shown.

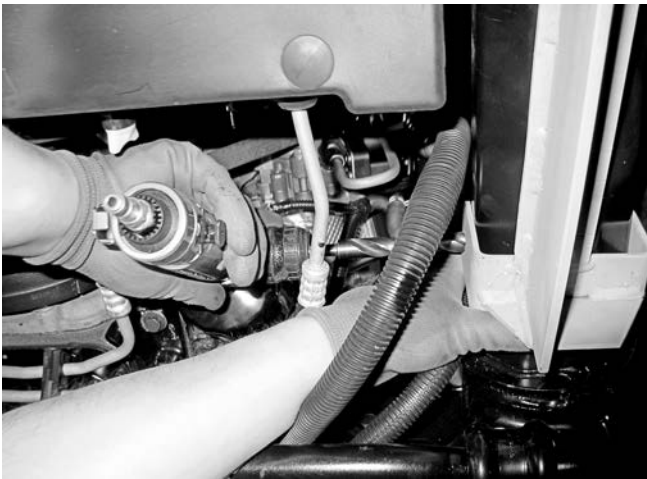
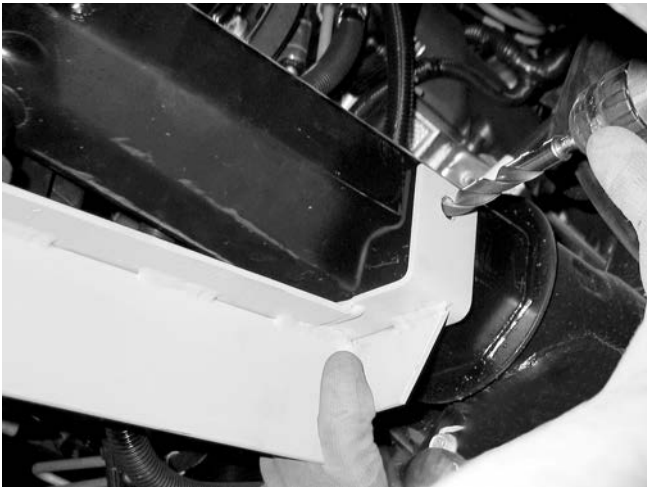


4. Hold the rear of the pushplate tight to the bottom of the frame using a clamp or a floor jack.

**⚠ CAUTION**

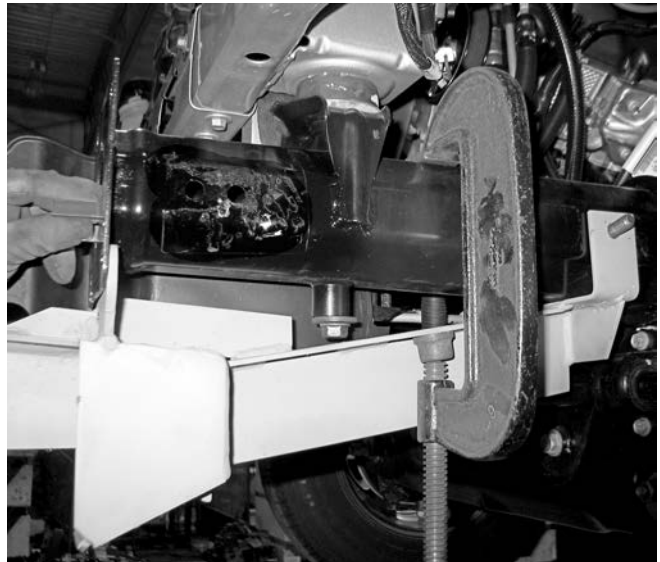
Use caution not to pinch, cut, or drill through any wires or hoses running along the frame rails.

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



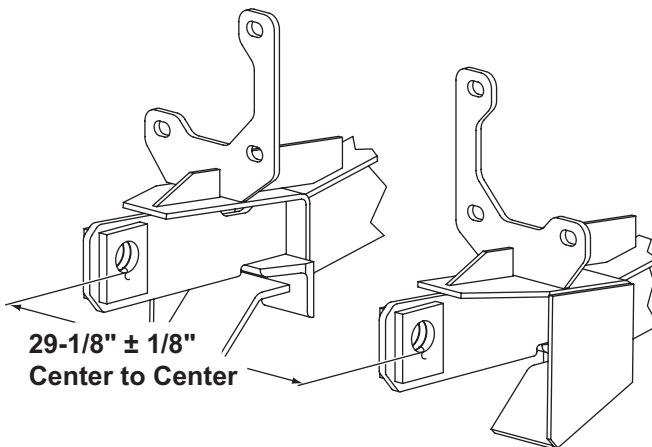
- Repeat Steps 1–5 on the passenger side of the vehicle.

- Remove both pushplates and the front bumper assembly from the vehicle. Retain the fasteners.
- Align the pushplate 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 pushplate. Place a 1/2" locknut on the cap screw, and hand-tighten. Repeat for all four drilled holes.
- Bend or cut the ends of the cap screw handles protruding out of the truck frame to allow for bumper reinstallation.
- Using clamps to hold the front plates of the pushplates aligned with the holes in the front flanges of the frame, reinstall the bumper through both the frame flanges and the pushplates. 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 pushplate connecting arms. Adjust this distance to be  $29\text{-}1/8\text{''} \pm 1/8\text{''}$  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 pushplates according to the torque chart.

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

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