



## MOUNT KIT

**Dodge Ram 2500/3500**

**2003**

(Kit only fits vehicles with gasoline engines.)

### 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/caution 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.

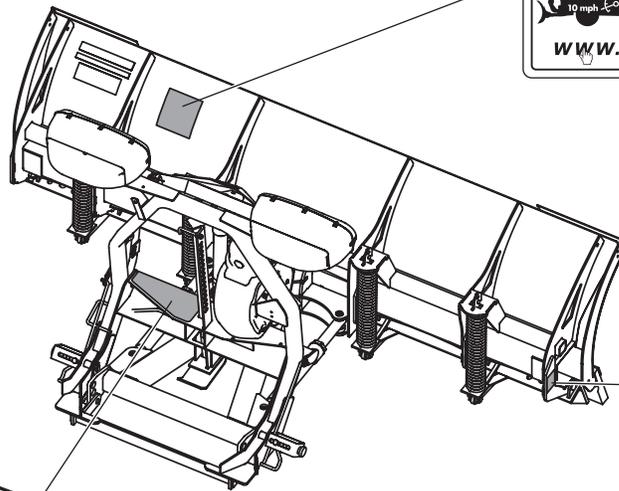
Warning/Caution Label

<b>⚠ WARNING</b>	
	Blade could 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.
<b>⚠ CAUTION</b>	
	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.	

Multiple Pinch Points Label

<b>⚠ WARNING</b>
<b>Multiple Pinch Points</b>

**XLSTM™ Blades Only  
 (both sides)**



Instruction Label

	<ol style="list-style-type: none"> <li>1. Push <b>Pin Release Handle</b> down to pull out <b>Connecting Pins</b>.</li> <li>2. Drive vehicle slowly to engage <b>Pushplates</b> into <b>Attachment Arms</b>.</li> <li>3. Stand in front of blade. Fully raise <b>Pin Release Handle</b> to release <b>Connecting Pins</b>.</li> <li>4. Push <b>Headgear</b> toward vehicle to allow <b>Connecting Pins</b> to fully engage <b>Pushplates</b>. If unable to push <b>Headgear</b> from in front of blade, stand in front of <b>Headgear</b> on driver side and push <b>Headlamp Bracket</b>.</li> <li>5. Pull out <b>Jack Lock</b>. Push <b>Pin Release Handle</b> into <b>Stop</b>.</li> <li>6. While holding <b>Jack Lock</b> out, use <b>Jack Handle</b> to raise <b>Jack</b> fully. Release <b>Jack Lock</b>.</li> <li>7. Attach all electrical connectors.</li> </ol>
<p>US patents 7,400,056; 7,681,334; 7,797,859; 8,200,418; 9,622,563; 10,793,056; CAN patents 2,843,990; and other patents pending.</p> <p><b>ATTACH</b></p> <p>Read Owner's Manual for complete instructions.</p> <p><b>DETACH</b></p>	
<ol style="list-style-type: none"> <li>1. Place control in Lower/Float to put blade down.</li> <li>2. Pull and hold <b>Jack Lock</b> out. <b>Jack</b> will drop to ground. Then pull <b>Pin Release Handle</b> away from <b>Stop</b> and <b>Jack Lock</b>. Release <b>Jack Lock</b>. Verify that <b>Jack</b> is locked by trying to lift <b>Jack</b>.</li> <li>3. Stand in front of blade. While pushing <b>Headgear</b> toward vehicle with left hand, push <b>Pin Release Handle</b> down to disengage <b>Connecting Pins</b>. Make sure <b>Connecting Pins</b> are fully retracted. If unable to push <b>Headgear</b> from in front of blade, stand in front of <b>Headgear</b> on driver side and push <b>Headlamp Bracket</b>.</li> <li>4. Detach all electrical connectors.</li> </ol>	

## 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.**

1. Remove the license plate bracket and retain for vehicle owner. Remove the bumper from the bumper brackets. Retain fasteners.
2. Install pushplate by holding front portion of pushplate in place using previously removed bolt assembly. Clamp rear portion of pushplate into position on truck frame, making sure the pushplate is tight against the bottom of the frame.

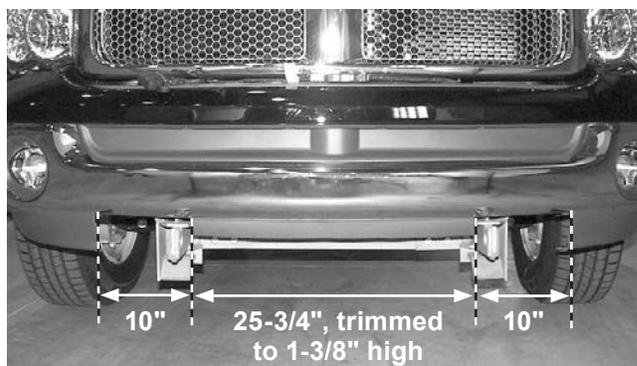


### ⚠ CAUTION

Before drilling any holes, check both sides of the material for any wires, fuel lines, fuel tanks, etc., that may be damaged by drilling.

3. Use three holes in pushplates as guides to drill three  $17/32$ " diameter holes, one through the bottom and two through the inner wall of the truck frame. Pull up and forward on the bottom tab of the frame spacer, allowing enough room to install the bolts with handles. Insert three handled  $1/2$ " x  $1-1/4$ " cap screws and two  $1/2$ " flat washers past the opening in the front frame spacer and into the truck frame (do not put a washer on the bolt that goes through the bottom of the frame). Fasten with three  $1/2$ " locknuts. Hand tighten fasteners. Bend or cut off the handles on the cap screws to prevent contact with the bumper bracket.

4. Install other pushplate as described in Steps 1–3.
5. Install the cross bar using four  $1/2$ " x  $1-1/2$ " cap screws and  $1/2$ " locknuts. Hand tighten fasteners. Measure the distance between the connecting pin doublers. The distance should be  $29-1/8$ "  $\pm 1/8$ " from center to center. Take a second measurement farther back on the pushplate to ensure that they are parallel.
6. Remove or notch air dam to allow sufficient clearance for pushplates and mounting of blade assembly. Suggested modification is shown below.



7. Remove the bolt assembly from front of pushplate. Reattach bumper again using the bolt assembly, but be sure to install assembly from the inside of the frame. Verify that the bumper brackets are between the frame and the pushplate tabs.
8. Tighten all fasteners.

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



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