33885
UNDERCARRIAGE KIT

Dodge Ram 2500/3500

2010 - __

Installation Instructions

⚠️ CAUTION
Read this document before installing the snowplow.

⚠️ CAUTION
See your BLIZZARD® outlet/Web site for specific vehicle application recommendations before installation. The 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 cannot be read, see your sales outlet.

POWER PLOW® and SPEEDWING™ Blades Only (both sides)

ATTACH - Step 5
DETACH - Step 6

Hitch
Pin
Mount
Adapter
Arm
A-Frame
Stand
Upper Hole
Stand Pin
Light Tower
Boot
Blade
Pin
Handle
Mount Adapter
Pin
Guide Plate
ARM/BLADE OPERATION POWER OFF
Raise Lower Plowing Arm/Blade Operation OFF
48207

WARNING: Keep fingers away from snowplow and truck attachment points. POWER HITCH™ arm raises behind undercarriage pushbeam.

ATTACH - Steps 2, 4, 6 & 8
DETACH - Steps 2, 3, 5 & 7

Light Tower
Power Switch
Arm / Blade Operation Switch
Switch Label
ARM/BLADE OPERATION POWER OFF
48208

WARNING: Crush hazard Keep feet clear
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 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 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 Undercarriage Selection Guide 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**

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

**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.

**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.
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.

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<th>Grade Identification for J429–Grade 5 Bolt</th>
<th>Grade Identification for J429–Grade 8 Bolt</th>
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NOTE: For easier assembly and installation, vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

1. Remove bumper from bumper brackets. Retain fasteners.

2. Remove bumper brackets from frame.
   - **Diesel applications**: On these applications you must first remove the top two intercooler fasteners. Then push intercooler up and out to provide clearance to remove bumper bracket bolt assembly.
     Retain fasteners.

3. Remove compatibility brackets from frame if equipped (see picture). Save the brackets and hardware for the vehicle owner.

4. Install the mount by holding the front portion of the mount in place and securing with the previously removed bumper bracket bolt assembly.
   - **On vehicles with compatibility brackets**: Use the 5/8” x 4-1/2” fastener and 5/8” nut, inserting into the rear of the mount. Hand tighten fastener. Continue to step 5.
   - **On vehicles without compatibility brackets**: Clamp rear portion of the mount into position on the truck frame, making sure the mount is tight against the bottom of the frame.
7. Remove or notch air dam to allow sufficient clearance for mounts and mounting of blade assembly.

8. Remove the bolt assembly from the front of the mount. Reattach bumper brackets 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 mount tabs.

9. Reattach the bumper to bumper brackets using existing hardware.

10. Tighten all fasteners according to torque chart.

5. Install other mount as described in steps 1–4.

6. 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 U-brackets. The distance should be 30-7/16” ± 1/8” from center to center. Take a second measurement farther back on the mount to ensure they are parallel.

NOTE: Do not use the 5/8” x 4-1/2” bolt here. Using this long fastener will crush truck frame when torqued.
MOUNT ADAPTER MEASUREMENT

1. With the vehicle on level ground, measure from the ground to the center of the hole on the U-bracket side plate on the mount.

The height of the mount should be 14.25” or less from the center of the U-bracket hole to level ground. (The mount adapter comes packaged with the blade crate assembly.)

If the measured height is greater than 14.25”, install the short height adjustment adapter plates as described.

MOUNT ADAPTER INSTALLATION

Install adapter plates as follows:

1. Position the adapter plate against the driver’s side portion of the mount adapter as shown. Insert a 3/4” x 2-3/4” cap screw through the lower front adapter plate hole and through the appropriate hole on the mount adapter. Secure with a locknut.

2. Insert a cap screw through the rear adapter plate hole, through the slot on the mount adapter and through a washer. Secure with a locknut.

3. Repeat for the passenger’s side. Tighten all fasteners according to the torque chart.

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

Shown with adapter plate installed.
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