TRUCK MOUNT
Installation Instructions

1369

1379
Ford F-250 2WD (over 8,500 GVWR) 1992–1997
Ford F-350 2WD (over 10,000 GVWR) 1992–1997

⚠️ 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 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/CAUTION & INSTRUCTION LABELS

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

### WARNING Label

**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 Label

**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.**

### Instruction Label

**MOUNTING PLOW (ON)**

**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.

**REMOVING PLOW (OFF)**

**STEP 1**
After lowering blade and turning control off, disconnect electrical connections.

**STEP 2**
Pull and hold Lock Pin out; then rotate Handle DOWN and release Lock Pin. It must lock into LOWER hole.

**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.

Patents: US 4,280,062; 4,999,935; 5,420,480; RE 35,700; 6,145,222; 6,209,231; 6,253,470; 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 torque chart. Use standard methods and practices when attaching snowplow including proper personal protective safety equipment.

### Recommended Fastener Torque Chart (Ft.-Lb.)

<table>
<thead>
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<th>SAE Grade 5</th>
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<td>9</td>
<td>13</td>
</tr>
<tr>
<td>5/16-18</td>
<td>11</td>
<td>18</td>
<td>28</td>
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<tr>
<td>3/8-16</td>
<td>19</td>
<td>31</td>
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<td>3/8-24</td>
<td>24</td>
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<td>9/16-12</td>
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### Metric Grade 8.8 (Ft.-Lb.)

<table>
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<td>M 10</td>
<td>35</td>
<td>M 16</td>
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</tbody>
</table>

These torque values apply to fasteners except those noted in the instruction.
MOUNT INSTALLATION

MOUNT BRACKETS

1. Remove the bumper, with brackets attached, from the vehicle. Remove threaded attaching fasteners and retainers from bumper brackets.

NOTE: If vehicle is equipped with a sway bar, the bar and brackets must be removed prior to attaching mount brackets. Retain all parts for reassembly if mount is ever removed from the vehicle.

2. Position the mount brackets tight against the outside and bottom of the vehicle frame, and against the long protruding rivet. (On vehicles without frame rivets, position mounts to front edge of 1/2" holes in bottom of vehicle frame rails.) Clamp mounts in place. (See Photo 1.)

D. Locate mount brackets per MOUNT BRACKETS (Step 2)

E. Temporarily insert 1/2" x 1-3/4" cap screws into rear holes to hold mount brackets in position while drilling front (third) hole.

F. Place square spacer between mount bracket lower rear hole and vehicle frame to adjust for ABS mounting bracket.

Continue installation for MOUNT BRACKETS (Step 3).

3. Use mount as template to drill four 9/16" holes in each side of vehicle frame. Install two nut bars to the inside of each vehicle frame rail aligning with drilled holes.

NOTE: Vehicles with ABS bracket shown in diagram require the following steps to install mount bar on drivers side.

A. Remove the two cap screws mounting the ABS bracket.

B. Pry ABS bracket away from the vehicle frame and remove lower cage nut by pushing nut up into the slot.

C. Replace top bolt.

NOTE: On F-150 and Bronco installations, straighten nut bar wires and use a vise grip to hold the end for insertion into the frame.

Fasten each mount to the nut bars with four 1/2" x 1-1/2" cap screws and lock washers. Use a drift pin to align one hole while attaching cap screw to the other. Tighten cap screws to corresponding Torque Chart values.
MOUNT FRAME

1. On vehicles with transmission cooler located in front of the radiator on the passenger side, install a convoluted tube over each cooler line above “Y” formed by cooler lines.

2. Prior to placing mount frame on vehicle frame. Assemble (4) 1/2 x 1-1/2 cap screws, flat washers, and locknuts from the inside out through the bumper brackets on the vehicle frame. (Do not tighten nut. These fasteners will be used to attach bumper later.) (See photo 2.)

3. Align large holes and from the outside of the frame, insert a 5/8” x 1-3/4” bolt, two flat washers and locknut on each side of the vehicle. Install a flat washer against mount frame side plate and against vehicle frame. (Depending on model and year, the

hole location for the 5/8” and 1/2” fasteners may vary.) Install one fastener for each frame hole.

If vehicle has only one 5/8” diameter hole, drill two 1/2” holes through frame using mount as a guide. Attach with 1/2” fasteners.

(See Photo 3 and Photo 4.)
MOUNT INSTALLATION

THRUST FRAME

1. Loosely attach thrust frame to each mount bracket with one 1/2" x 1-3/4" bolt, flat washer and locknut in the inner hole. Install flat washers against slots in mounts. (See Photo 5.)

2. If the vehicle has an evaporator cannister that interferes with the mount, remove the cannister and install the furnished bracket to the original cannister mounting holes using existing fasteners. Secure cannister to the rear side of bracket using four finished  5/16" x 1" bolts, flat washers and locknuts. Install flat washers against slots.

3. Attach front of thrust frame to mount frame using four 1/2" x 1-1/2" bolts, flat washers to slots and locknuts (four per side).

CROSS BRACE

1. Loosely attach cross brace between both mounts using 1/2" x 1-1/2" cap screws and locknuts.

"CAUTION"
Check for and maintain adequate clearance horizontally and vertically between hoses, steering linkage at maximum right turn, alternator drives, oil cooler lines and do not collapse evaporator hose.

FASTENERS

Starting with the mount frame to vehicle frame fasteners tighten all bolts to the corresponding Torque Chart Value.

BUMPER

Reinstall bumper to original position using 1/2" x 1-1/2" cap screws with 1/2" flat washers under heads and locknuts. (Called out in step 2 page 5.) (See Photo 5.)

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