

LIT. NO. 63719
January 15, 2002



FORD MOUNT INSTALLATION INSTRUCTIONS

FORD BRONCO

F-150 4x4

F-250/350 4x4 and 2WD

FORD SUPER DUTY

1980-1991

Model No. 1349

⚠ 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/CAUTION & INSTRUCTION LABELS

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

Warning and Caution Label

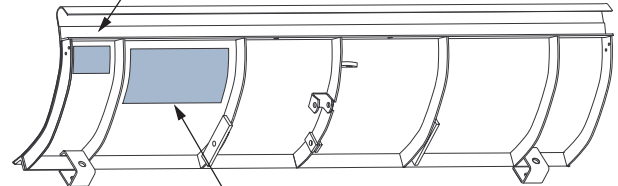
⚠ WARNING

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 WESTERN OUTLET FOR APPLICATION RECOMMENDATIONS.

59900



Instruction Label

UltraMount[®] SYSTEM INSTRUCTIONS
Patent Pending 67796

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.

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

Keep well clear of the blade when it is being raised, lowered or angled. Do not stand between the vehicle and blade or directly in front of blade. If the blade hits you or drops on you, you could be seriously injured.

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. Bolts should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow including wearing safety glasses during cutting, drilling and welding.

| Recommended Fastener Torque Chart (Ft.-Lb.) | | | |
|--|---|---|---|
| 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 |
| Metric Grade 8.8 (Ft.-Lb.) | | | |
| 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 mount assembly fasteners except those noted in the instruction. | | | |

MOUNT INSTALLATION

MOUNT FRAME

IMPORTANT: Read instructions before assembling. Bolts should be finger tight until instructed to tighten to torque shown in torque chart. Use standard methods and practices when attaching snowplow including wearing safety glasses during drilling.

Mount Frame - 1987 through 1991 Vehicles

1. Remove the bumper from the vehicle, leaving the brackets attached to the bumper.
2. Place mount frame onto vehicle frame horns. On each side of vehicle, insert a 5/8" x 1-1/2" bolt with flat washer through front bottom slot in mount frame into front flange of vehicle frame. Install a flat washer against vehicle frame and a locknut.

Mount Frame - 1980 through 1986 Vehicles

1. Remove the bumper from the vehicle.
2. Place mount frame onto vehicle frame horns. With mount frame tight to top and end of vehicle frame horns, clamp in place. Use mount frame as a template to drill two 9/16" holes into each side of vehicle frame. Fasten each side with two 1/2" x 1-1/2" bolts, flat washers, and locknuts. Insert bolts from center of vehicle towards outside with a flat washer against vehicle frame.

Mount Bars and Mount Driver Side and Passenger Side - All Vehicles

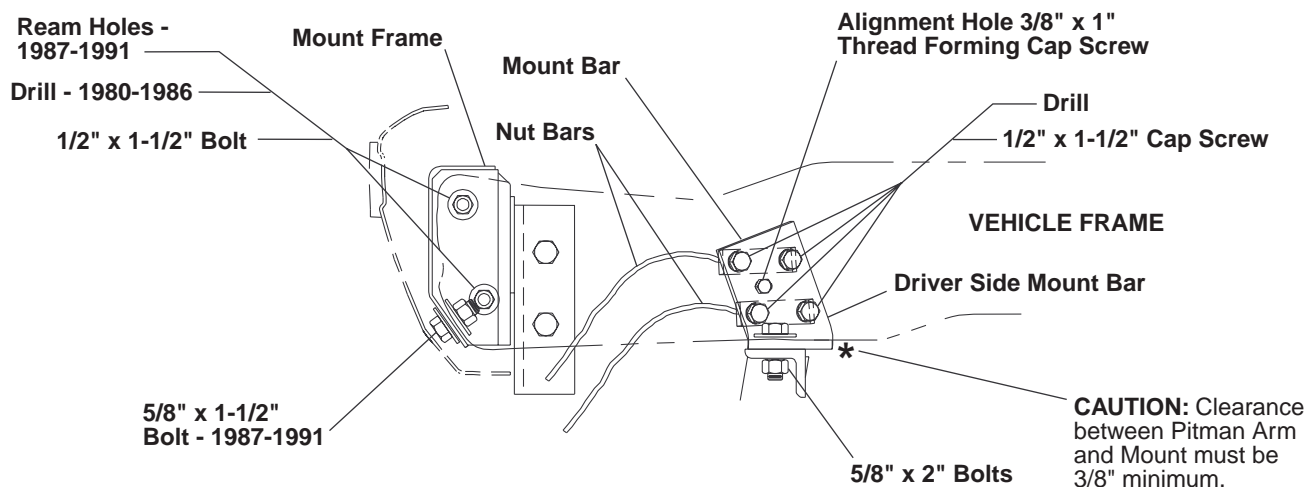
1. Following the diagram, with mount bar tight to bottom of frame rail, locate alignment hole in mount bar to existing small hole in frame rail and secure with 3/8" x 1" thread forming screw. Tighten screw only tight enough (10 ft. lb.) to hold mount bars in place.
2. If the vehicle has an evaporator canister that interferes with the mount, remove the canister and install furnished bracket to original canister mounting holes using existing fasteners. Secure canister to the rear side of bracket using furnished 5/16" x 1" bolts, flat washers and locknuts.

⚠ CAUTION

Maintain adequate clearance horizontally and vertically between hoses, steering linkage at maximum right turn, alternator drives, oil cooler lines, and do not collapse evaporate hose.

(Continued on next page.)

AS VIEWED FROM DRIVER SIDE



MOUNT INSTALLATION

Mount Bars and Mount Driver Side and Passenger Side - All Vehicles (Continued)

3. Use each mount bar as a template to drill four 9/16" holes through each side of vehicle frame. Install two nut bars to inside of each vehicle frame rail aligning to drilled holes. Fasten each mount bar to nut bars with four 1/2" x 1-1/2" bolts and lock washers. Tighten bolts to corresponding torque chart values.
4. Attach each mount bar to mount with two 5/8" x 2" bolts, flat washers and locknuts. Install flat washers against slots. (If the vehicle has a deep underslung stabilizer cross member assembly that will interfere, it must be removed for snowplow installation. Retain all parts and replace on vehicle if the snowplow is removed.)

Attach thrust frame to mount frame with four 1/2" x 1-1/2" bolts, locknuts, and flat washers to slots on each side.

CROSS BAR

Attach cross bar to each thrust frame using two 1/2" x 1-1/2" bolts and locknuts per side.

**TIGHTEN ALL BOLTS TO CORRESPONDING
TORQUE CHART VALUES.**

BUMPER

1987 through 1991 Vehicles

1. To replace bumper, loosen bracket bolts on bumper and slide to outer end of bumper 1/4", retighten bolts. Check bumper bracket holes in vehicle frame for clearance of two 1/2" bolt on each side of vehicle. Ream or drill if required. Replace bumper to vehicle frame at original location and fasten each side with two 1/2" x 1-1/2" bolts, flat washers, and locknuts. Install flat washers to vehicle frame and bumper bracket. Tighten bumper fasteners.
2. Air deflector may require notching for clearance of link arm lugs on light duty vehicles.

1980 through 1986 Vehicles

1. Replace bumper to original position using existing fasteners. Tighten bumper fasteners.
2. Air deflector may require notching for clearance of link arm lugs on light duty vehicles.

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



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