

BOLT TORQUE SPECIFICATIONS

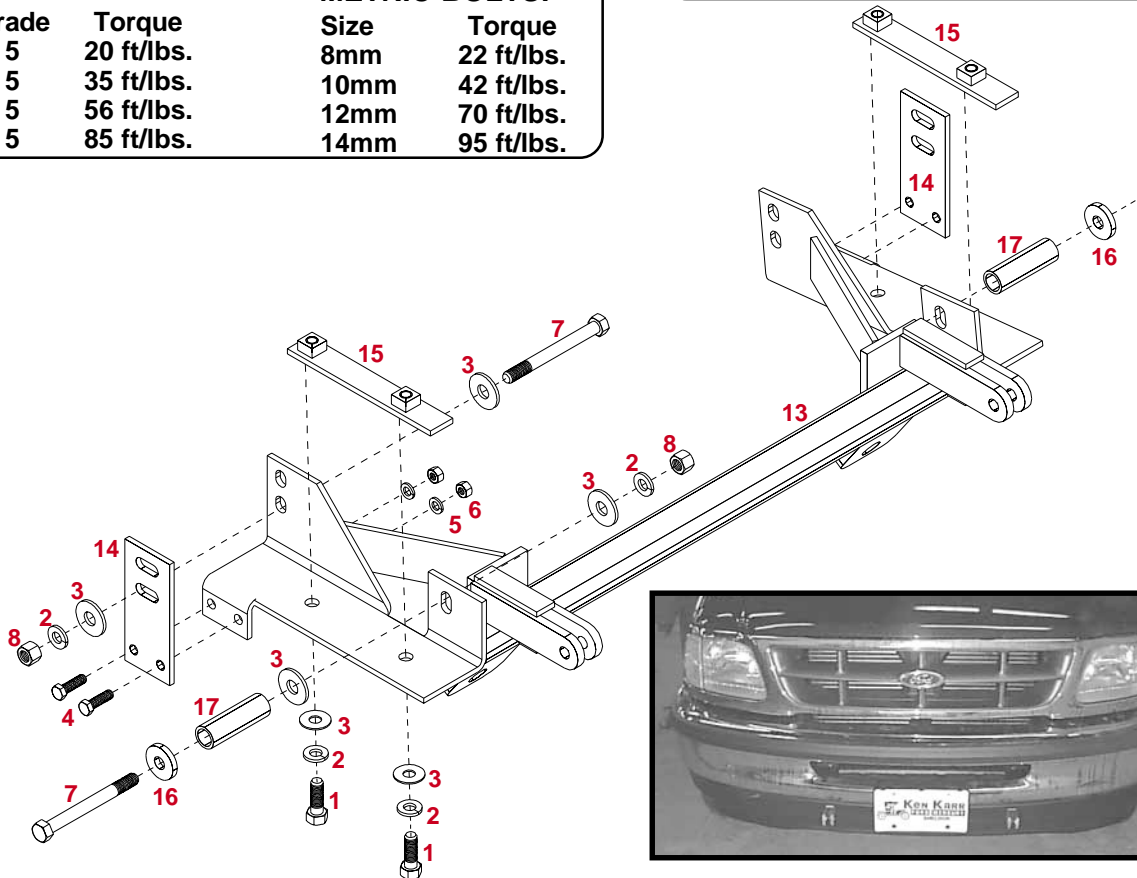
STANDARD BOLTS:

Size	Grade	Torque
5/16"	5	20 ft/lbs.
3/8"	5	35 ft/lbs.
7/16"	5	56 ft/lbs.
1/2"	5	85 ft/lbs.

METRIC BOLTS:

Size	Torque
8mm	22 ft/lbs.
10mm	42 ft/lbs.
12mm	70 ft/lbs.
14mm	95 ft/lbs.

READ complete manual CAREFULLY
BEFORE attempting operation.



9517038 PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	01254	4	1/2"-13UNC x 1-1/2" Hex Bolt Gr.5
2.	00084	8	1/2" Lockwasher
3.	00083	10	1/2" Flatwasher
4.	00523	4	3/8"-16UNC x 1-1/4" Hex Bolt Gr.5
5.	00060	4	3/8" Lockwasher
6.	00061	4	3/8"-16UNC Hex Nut
7.	01975	4	1/2"-13UNC x 5" Hex Bolt Gr.5
8.	00083	4	1/2"-13UNC Hex Nut
9.	01076	2	1/4"-20UNC x 3/4" Hex Bolt Gr.5
10.	00214	2	1/4" Flatwasher
11.	00057	2	1/4" Lockwasher
12.	00062	2	1/4"-20UNC Hex Nut
13.	07906-35	1	Base Plate
14.	07903-35	2	Side Mounting Plate
15.	07907-35	2	Frame Nut Strip
16.	07908-95	2	Heavy Frame Washer
17.	07909-95	2	Frame Spacer

Items 9-12 are not shown. These replace license plate bracket rivets.

Please order replacement parts by PART NO. and DESCRIPTION.

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN LOSS OF TOWING VEHICLE CONTROL, SEPARATION OF THE TOW BAR FROM THE TOWING VEHICLE, SEPARATION OF THE TOWED VEHICLE FROM THE TOW BAR, CAUSING SEVERE PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.

CAUTION

Safety is of utmost importance at all times. There are several items that must be checked each time before using and while using a tow bar.

Before allowing anyone to hook up or operate a tow bar, be sure they have read and understand the proper operating procedure.

DO NOT use worn or damaged cables and/or pins.

Be sure the **SAFETY CABLES** are hooked, chassis to chassis, to both the towing and towed vehicles using the crisscross method.

Check clearance between vehicles in a turning situation.

Check base plate mounting bolts for tightness and frame for metal fatigue.

Do not load the towed vehicle with anything as you may exceed the towing capacity of the tow bar.

Keep fingers away from pivot points to prevent personal injury.


Be sure the steering components of the towed vehicle are properly aligned.

NOTE: This unit can be backed up in moderate increments. Any severe backwards cornering could result in damage to the Tow Bar and/or towed vehicle chassis.

For automatic transmissions: Consult your vehicle owners manual for towing suitability with the drive shaft connected. Otherwise, the towed vehicle will have to be equipped with a transmission pump or drive shaft disconnect.

Check to make sure that all lights are in proper working order.

The information on towability of vehicles is reprinted with permission of MotorHome® Magazine, and is believed to be reliable. However, Demco does not warrant the information to be correct. Always consult your towed vehicle owner's manual and follow towing instructions. Each year, MotorHome® Magazine, compiles a list of vehicles that can be towed four-down behind a motorhome with no modifications required. This guide contains only those vehicles that have been approved by their manufacturers for towing. This list is enclosed with this manual.

 **Caution: MotorHome® Magazine** left out any vehicles that have towing speed limits slower than 55 m.p.h., or distance limits of less than 200 miles. At a minimum, these vehicles require significant modification, such as the use of an aftermarket product, to make them towable. The availability of a **Demco Tow Bar Base Plate** does not imply that these vehicles can be modified or that there is an aftermarket product available. Refer to your vehicle owner's manual or consult your dealer to determine whether your vehicle can be modified to make it towable. Failure to observe this precaution could result in property damage or personal injury.

1. Remove lower bumper valance. Twelve bolts attach valance. You need to also drill out two rivets that attach the license plate bracket to bumper using a 3/16" drill bit.

Remove three plastic push rivet fasteners from rubber splash shield. Replace when installation is complete and bumper valance is re-installed.

IMPORTANT INSTALLATION ITEMS

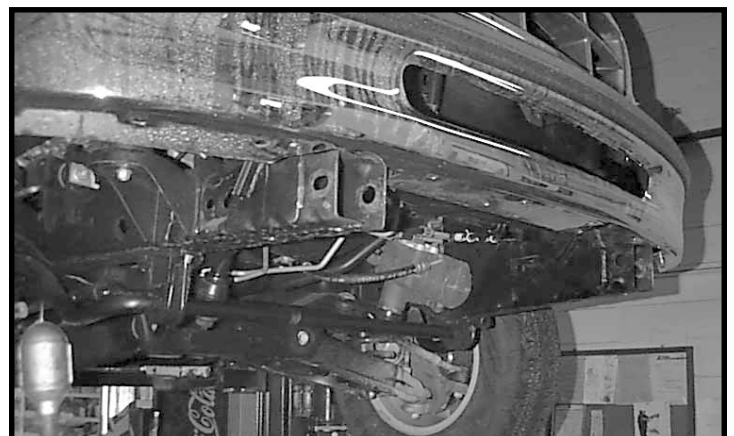
DEMCO products and accessories are intended to be installed by professional installers with experience, proper equipment and the ability to do modification work. Installers with these qualifications can be found in RV and Automotive Service Centers.

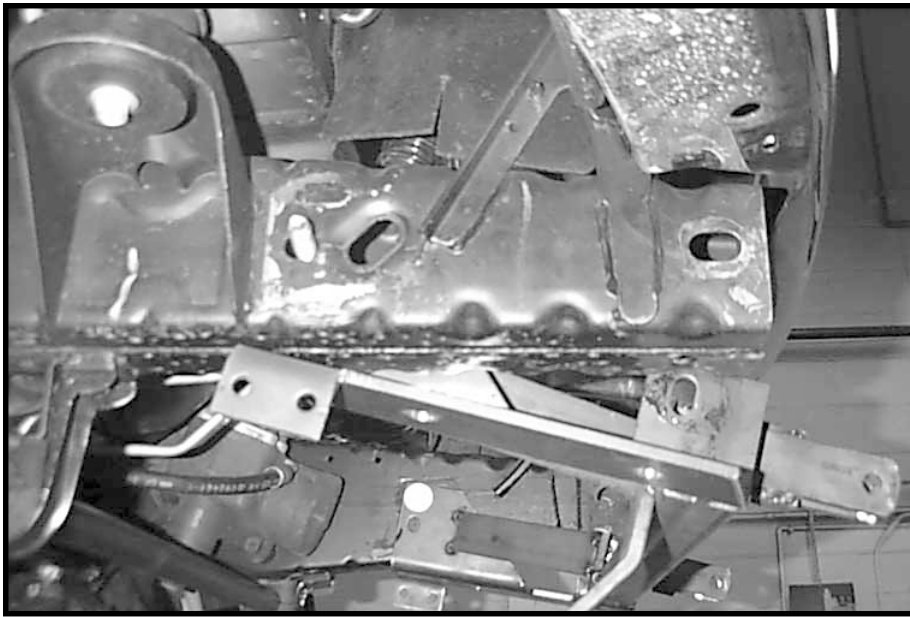
If the car to be towed has been in an accident, the chassis may be damaged in an area where the Base Plate attaches. It may no longer be suitable for towing. Extreme caution and careful examination are required in such a situation. It is also likely, even from a minor accident, that the hole alignment will be more difficult due to hole alignment problems.

Many DEMCO Base Plates are designed to use existing holes and hardware to mount the Base Plate to the towed vehicle. Even though the bolt is there, however, do not assume it is adequate for mounting the Base Plate. Manufacturers make many changes in hardware both within and between model years. Be sure the bolt is long enough to protrude past the nut a distance no less than 1/2 the diameter of the bolt, after the Base Plate is mounted. The threads should be in good condition. **We require that "LOCTITE® Blue" be used on all bolts.** If a new bolt is required, be sure it is SAE Grade 5 or Metric 8.8.

NOTE: The dimensional variations between otherwise identical vehicles can be considerable. Some minor modifications may have to be made to ensure a proper fit.

INSTALLATION INSTRUCTIONS

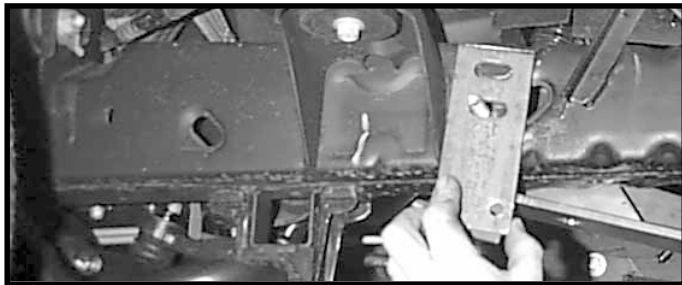




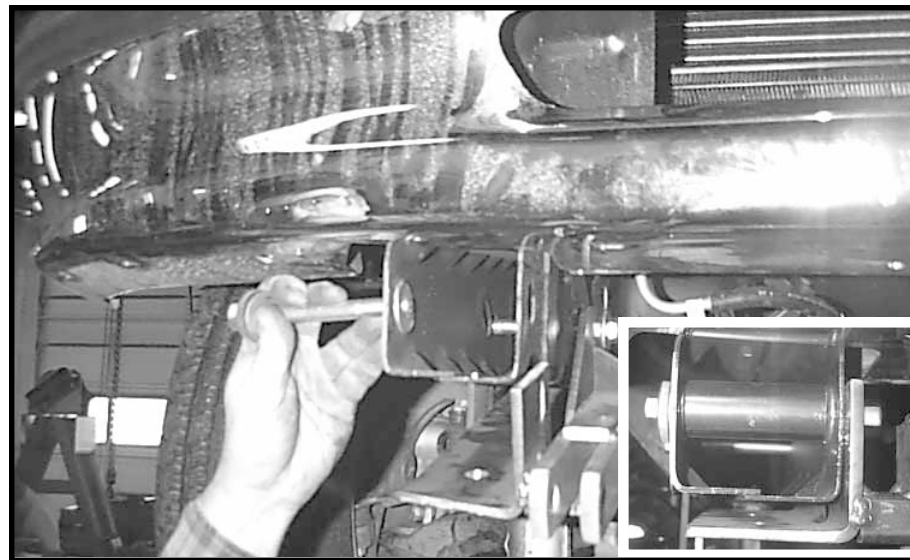
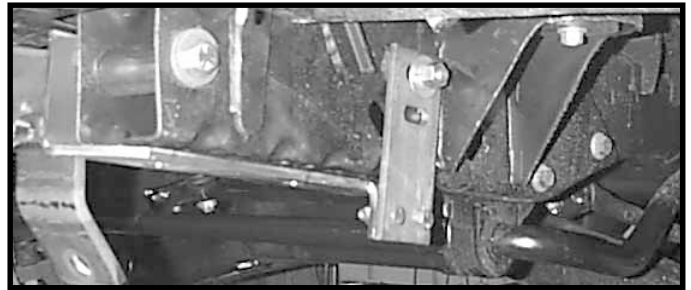
PASSENGER SIDE

2. Install baseplate to frame with 1/2" x 5" hex bolt, two flatwashers, lockwasher and hex nut, on each side, in rear hole of baseplate. Bolt goes from inside of frame outwards with rear brace plate on outside of frame. On passenger side use lower slotted hole and drivers side use upper slotted hole.

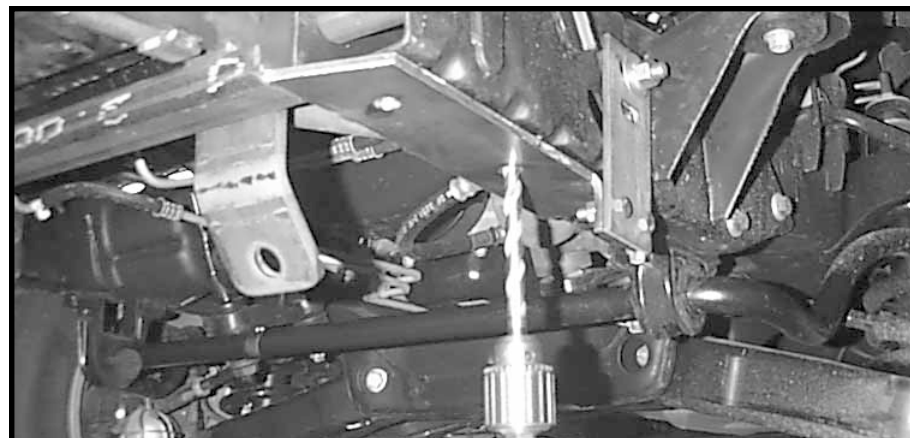
Secure brace plate to base plate using two 3/8" x 1-1/4" hex bolts, lockwashers and hex nuts on each side.



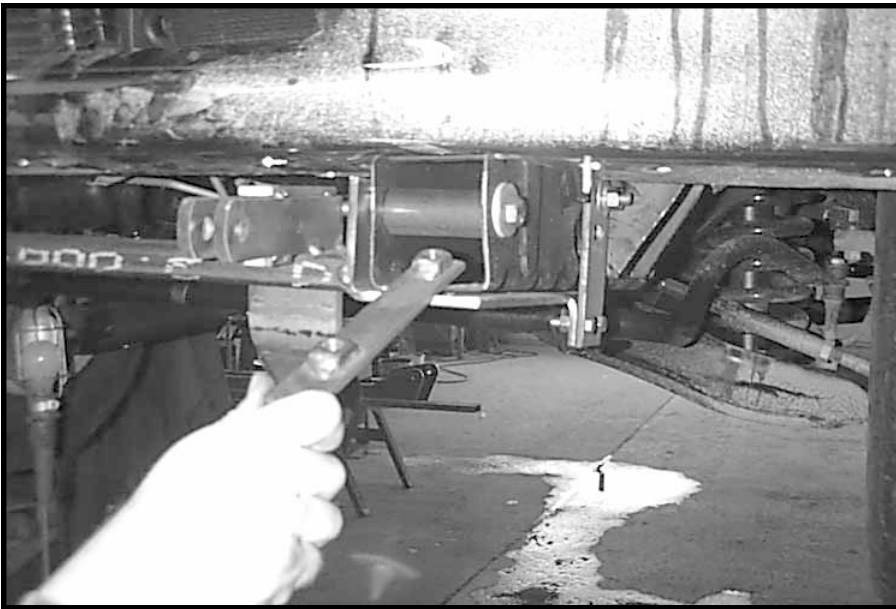
DRIVER SIDE



3. Secure front of baseplate by placing heavy frame washer over 1/2" x 5" hex bolt and insert into frame from outside of frame inwards with spacer tube inside frame, there are extra 1/2" flatwashers included to shim this tube tight against inside walls of frame. Secure with 1/2" flatwasher, lockwasher and hex nut.
4. Position base plate so front angle cut is approx. even with front of frame. Push base plate up and tighten 1/2" x 5" hex bolts.

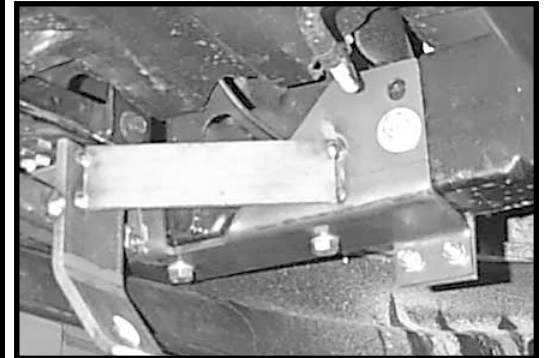


5. Drill two 1/2" holes thru frame, on each side, using base plate as a template.

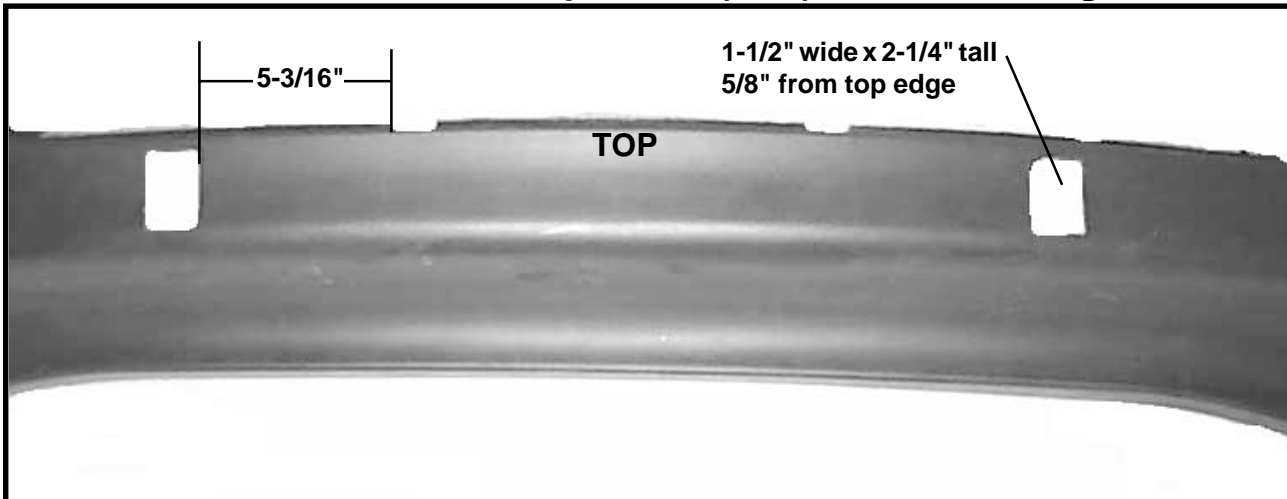


6. Install nut strip into end of frame and secure with two 1/2" x 1-1/2" hex bolts, flatwasher and lockwashers on each side.

See below for proper valance cutting instructions. When finished reinstall valance and license plate bracket.

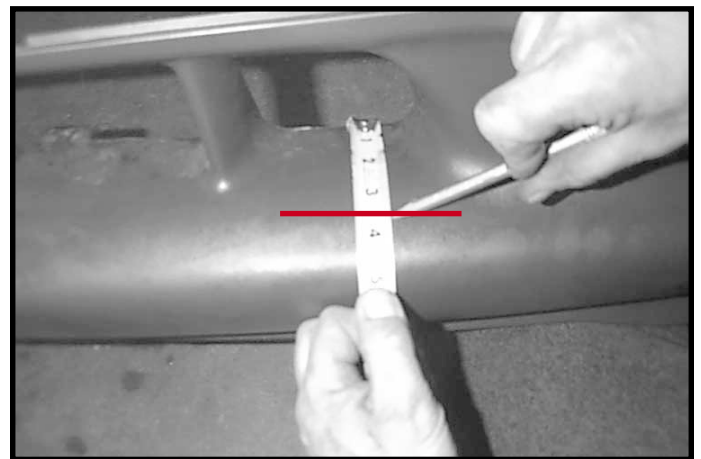
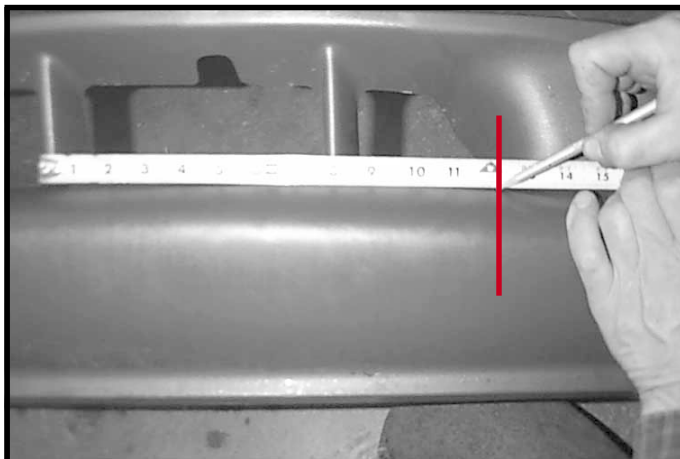


1997-1998 Ford F-150/Expedition (2wd) Valance Cutting Instructions



7. Cut lower valance panel, as shown above, and reinstall. Replace license plate bracket using two 1/4" x 3/4" hex bolts, flatwashers, lockwashers and hex nuts.

1999 Ford F-150/Expedition (2wd) Valance Cutting Instructions



7. From valance center support measure over 12-1/8" and make a vertical line. From valance opening wrap tape measure around curve of valance measuring 3-1/2", make a horizontal line there. Where the two lines intersect drill using a 2-1/2" hole saw. repeat for the other side. **Note:** minor cutting or trimming may be required for proper fit.

