



INSTALLATION INSTRUCTIONS

®

For 64535, 64737 Front Bumper For Jeep XJ Cherokee

As you read these instructions, you may see **NOTES**, **CAUTIONS** and **WARNINGS**. Each message has a specific purpose. **NOTES** are additional information to help you complete a procedure. **CAUTIONS** are safety messages that indicate a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. A **CAUTION** may also be used to alert against unsafe practice. **WARNINGS** are safety messages that indicate a potentially hazardous situation, which, if not avoided could result in serious injury. **CAUTIONS** and **WARNINGS** identify the hazard, indicate how to avoid the hazard, and advise of the probable consequence of not avoiding the hazard. **PLEASE WORK SAFELY!**

NOTE: Factory driving/fog lights cannot be used with this kit. Also, this installation requires some drilling. Holes will need to be drilled for 1/4" and 7/16" fasteners. The holes for the 7/16" fasteners will be drilled through 1/4" steel.

PARTS LIST FOR 64535 or 64737

PART NO.	QUANTITY	DESCRIPTION
64529 or 64736	1	Bumper
64527	1	Mounting Bracket, Frame, Outer, Right
64528	1	Mounting Bracket, Frame, Outer, Left
64530	1	Mounting Bracket, Inner, Right
64531	1	Mounting Bracket, Inner, Left
64738	2	Strap, Long, Canister
26034	1	Solenoid Box Bracket
64536	1	Parts Pack

TORQUE SPECIFICATIONS

<u>BOLT SIZE</u>	<u>TORQUE</u>
1/4 inch	8-10 ft. lbs.
3/8 inch	32-35 ft. lbs.
1/2 inch	65-75 ft. lbs.

1. Remove the factory bumper and bumper brackets from vehicle. Disconnect the vacuum line from the canister on the front bumper. Remove the canister from the front bumper.
2. Loosen the bolt that attaches the horn to the body and rotate the horn and bracket towards the fender. **See Figure 1.**

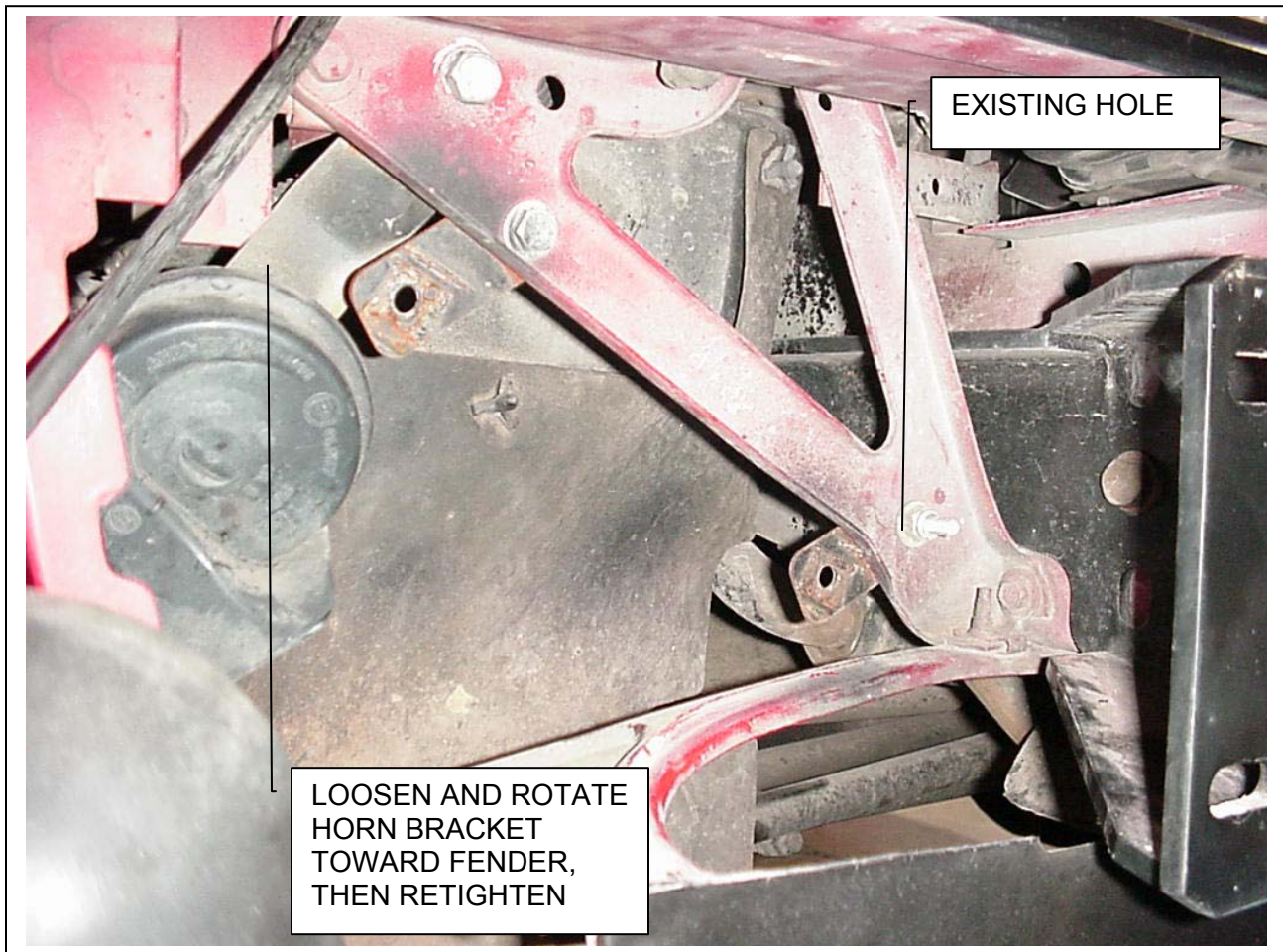


Figure 1, Vacuum canister.

3. Install vacuum canister to vehicle. Attach one of the small straps to the existing hole shown in Figure 1. Mount the strap on the backside of the body support using the supplied $\frac{1}{4}$ " hardware. Attach the vacuum canister, with the vacuum port pointing outward, to the previously installed strap using the factory hardware. **See Figure 2.** Do not tighten at this time. Attach the other strap to the vacuum port side of the vacuum canister. Do not mount this strap to the body support at this time. This will be completed after the frame brackets are installed.

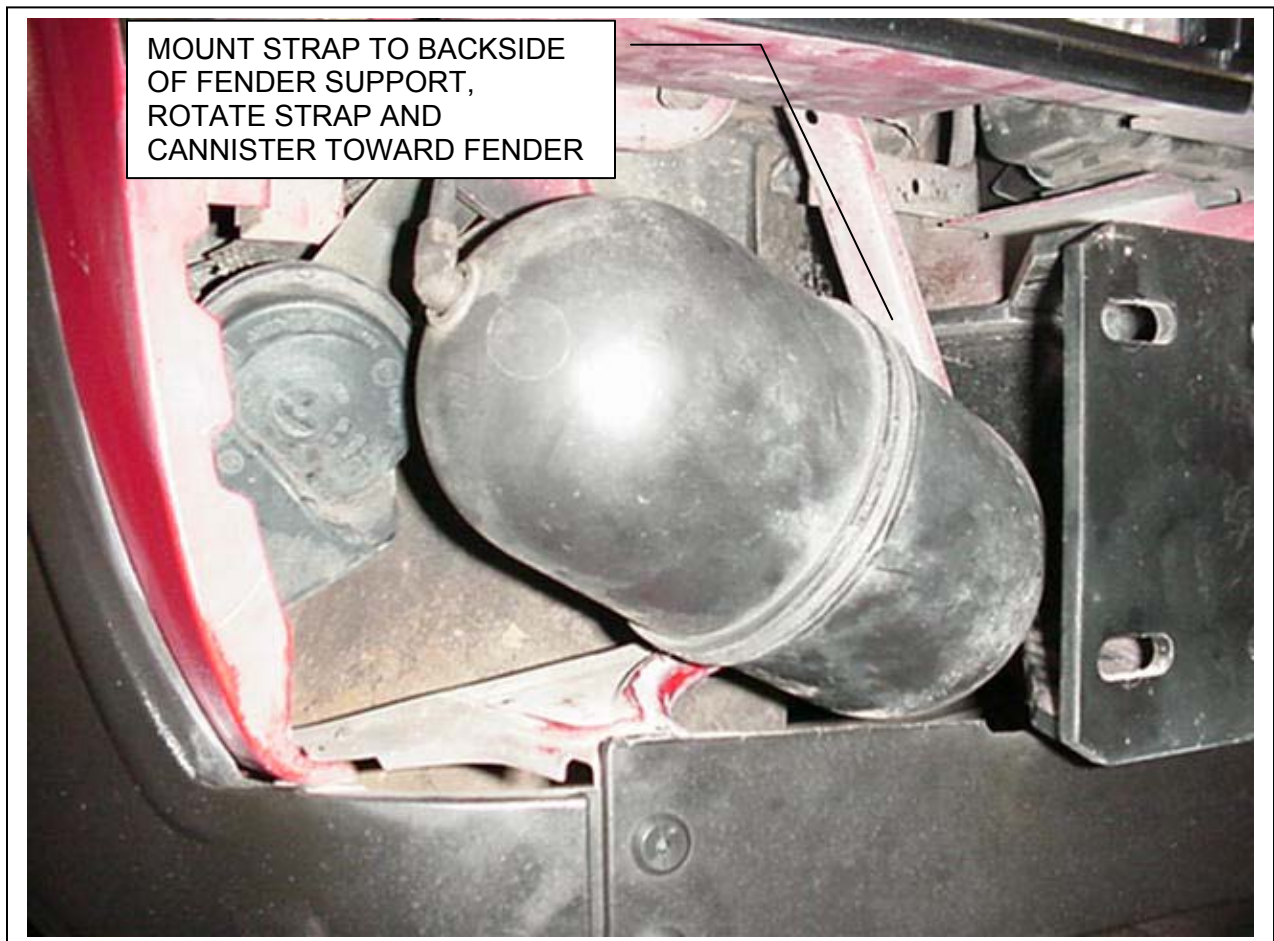


Figure 2, Vacuum canister.

4. Attach the frame mounting brackets. **See Figure 3.** The outer brackets are the large long ones and the inner frame brackets are the small ones. Figure 3 shows the driver's side frame brackets. Mount the outer and inner frame brackets to the front frame flange holes using the supplied 3/8" hardware. Install all hardware before tightening. The outer bracket mounts to the two forward holes and the third forward hole uses one of the stock bolts. **See Figure 4.** The inner bracket mounts to the front frame flange and the front crosspiece of the frame. Use the small doubler plates with the weld nuts on the inner brackets. Reach behind the front frame cross piece and slide the doubler plate behind the holes. Attach the inner brackets to the front frame cross piece using the supplied 3/8" hardware and the doubler plates. It may be necessary to trim the plastic air dam behind the inner frame bracket.

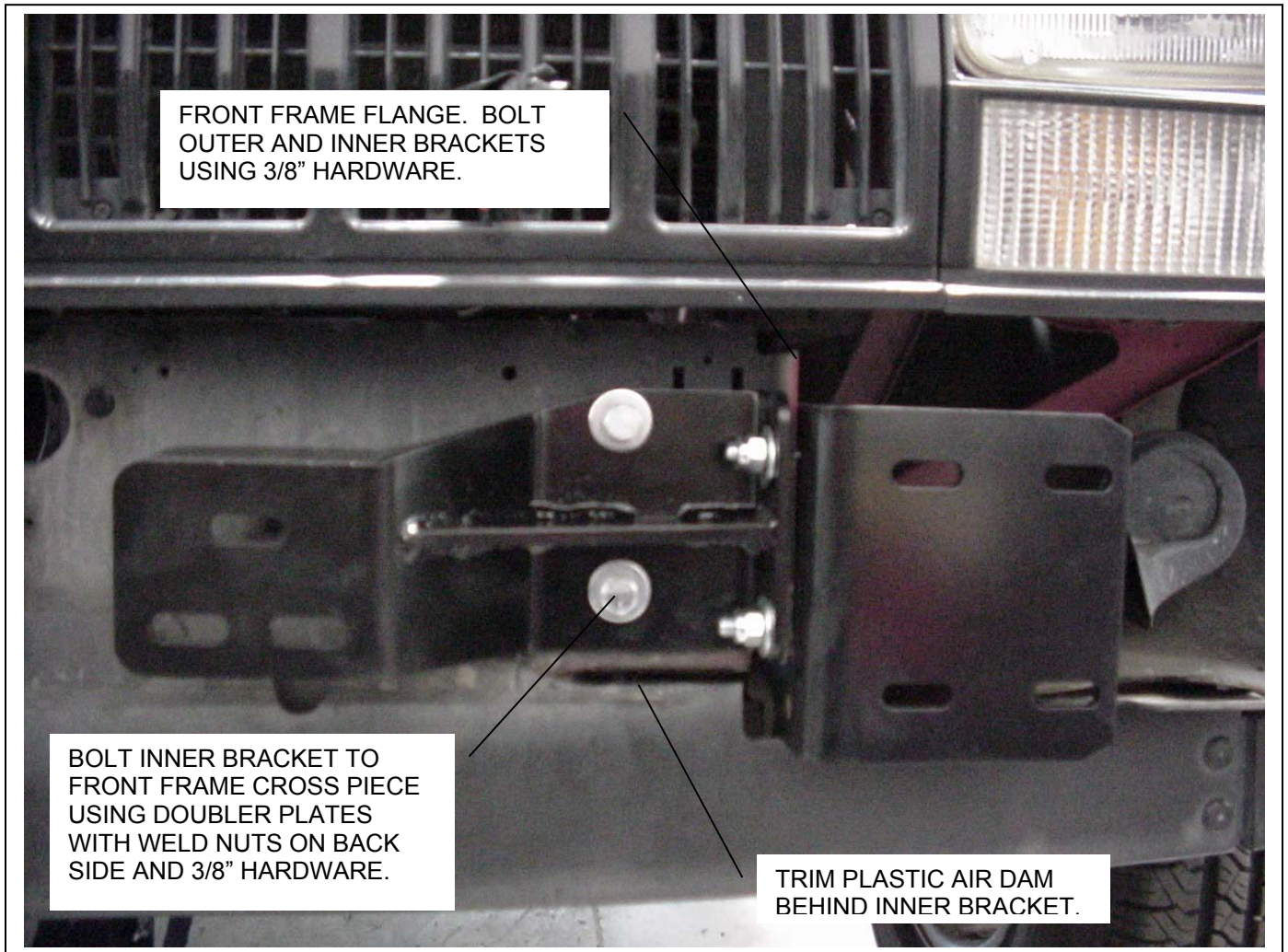


Figure 3, Driver's side front frame brackets.

Note: On some vehicles there may be a factory pad bolted in front of the Power Steering box. Remove this to install the doubler plate behind the front of the frame.



Figure 4, Driver's side view of out frame bracket.

5. Once the front hardware is installed, install the rear bolt in the outer brackets. If the vehicle had long frame brackets with a bolt through the frame, reuse the factory bolt. If the original frame brackets were not as long as the new brackets install the supplied $\frac{1}{2}$ " hardware. **See Figure 5.**

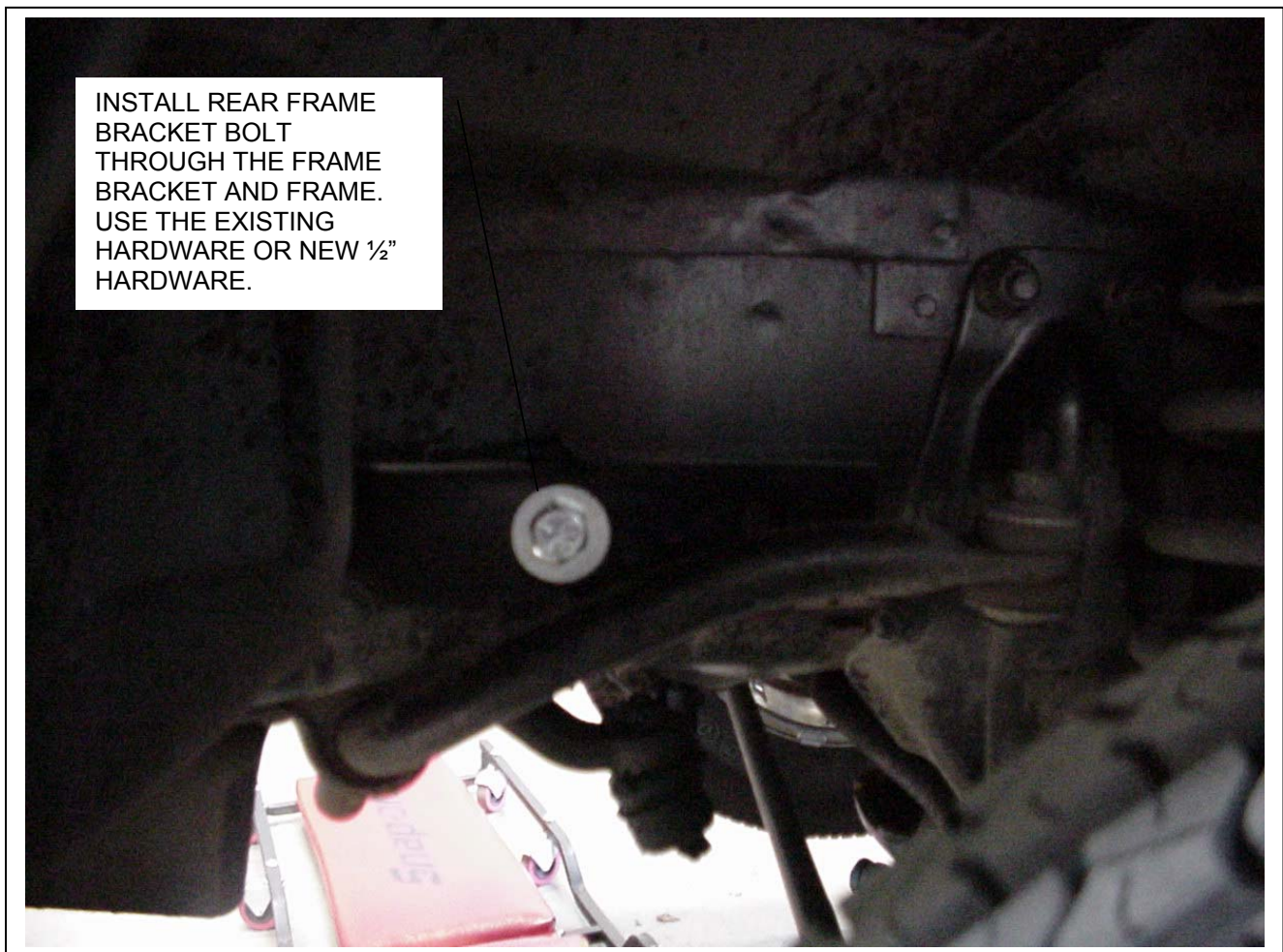


Figure 5, Rear frame bolt.

6. Once all of the frame bracket hardware is installed, align the brackets using an angle meter and tighten the hardware to the previously stated torque specification. Make sure the brackets are in line with the body and each other. Because of the slotted holes there is some angle adjustment.
7. With the frame brackets installed, the vacuum canister can be completed. Rotate the vacuum canister so that it has enough clearance to the frame bracket on the passenger's side. Mark and drill a 1/4" hole where the small strap needs to be attached to the body support. **See Figure 6.** Attach small strap to body support using the supplied hardware.



WARNING



Drilling operations can cause flying metal chips. **WEAR SAFETY GOGGLES.** Flying metal chips can cause eye injury.



Figure 6 A, Vacuum canister, final assembly. Attach canister to lower strap and hold it in place to mark the upper hole. Remove canister and drill ¼" hole in fender support and re-attach canister.



Figure 6 B, Vacuum canister view from bottom.

8. Recheck all bracket hardware for torque. Install the bumper to the frame brackets. Carefully set the bumper on the brackets and install a 3/8" bolt, lock washer, and washer into each of the 14 mounting locations. Install all of the bolts before tightening. Due to uni-body variance, there may be some gap on the inner or outer frame brackets. Tighten all bolts evenly and the brackets will settle in place. It may be necessary to loosen the outer frame brackets slightly to allow them to move forward or backward for proper alignment. Retighten all brackets and bumper bolts to specified torque specification. See figures 7 and 8 for final assembly of new Warn bumper. If installing a winch, follow the winch wiring instructions and use the supplied hardware to mount the winch. Use the supplied 1/4" bolts, washers, and nuts to install the front license plate to the bumper. A solenoid mounting bracket and hardware is supplied for WARN low profile winches.

Figure 7



Figure 8

