

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

The rack must be inspected before each use to make certain attachments are secure, and for evidence of Wear. Misuse of the rack or failure to observe the manufacturer's instructions as to installation, proper Attachment and maintenance will void any warranties that may be implied by law.

TOOLS REQUIRED FOR INSTALLATION:

- 1- 16mm socket and extension**
- 1- 9/16" socket and extension**
- 1- 9/16" Box end wrench**

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Guidelines:

When using Load Carriers and Accessories, the user must understand the precautions. The points listed below will assist you in using the rack /carrier system and will encourage safety.

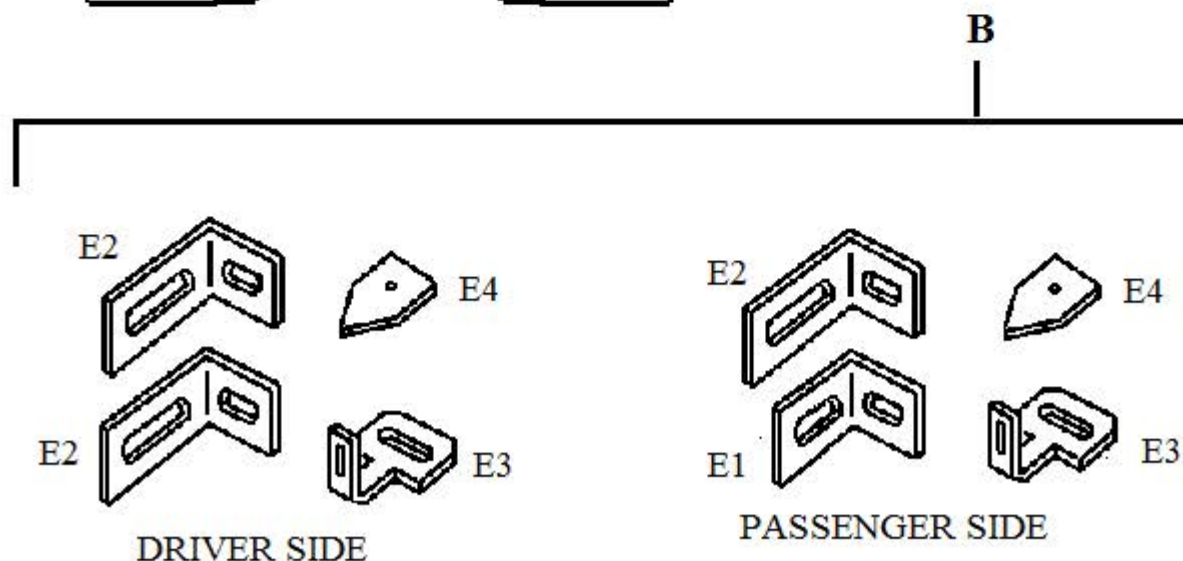
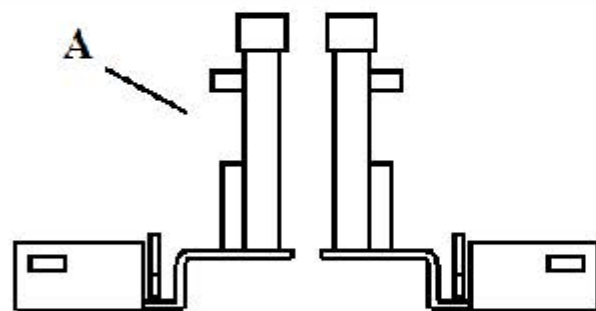
- For quality fits and safty, use only the recommended rack or accessory. Do not assume an accessory will fit, always check with dealer when obtaining new accessories. Use only approved accessories on load carriers. Using other brands will void your warrenty.
- Make sure all knobs, bolts, screws, straps, and locks are firmly attached, tightened and locked before every trip. Knobs, bolts, screws, straps, and locks must be periodically inspected for signs of wear, corrosion, and fatigue. Check your load at stops during the trip to insure continued fastening security.
- Check local and state laws governing projection of objects beyound the width of a vehicle. **Be aware of the width and height of your cargo since low clearance branches, bridges, and parking garages can affect the load** All cargo will affect the vehicle's driving behavior. Never drive with any lock, know, or rack in an open or unlocked position. All long loads such as, but not limited to sailboards, surfboards, kayaks, canoes, and lumber must be tied down front and rear to the bumpers or tow hooks, of the vehicle.
- Remove your rack accessories when they are not in use, before intering car washes, prior to taking in your vehicle for service, and whenever clearance may be an issue.
- All locks must be turned and moved periodically to insure smooth operation. Use graphite or similar dry lubricant to help this. Locks are designed to deter vandalism and theft. Remove valuable gear if your vehicle is unattended for an extended period. Place at least one key in the glove compartment.
- For safety to your vehicle and rack system, obey all posted speed limits and traffic cautions. Adapt your speed to the conditions of the road and the load being carried.
- Do not use load carriers and accessories for purposes other than those for which they were designed. Do not exceed their carrying capacity.
- Consult with your dealer if you have any questions regarding the operations and limits of this product. Review all instructions carefully.

READ ALL INSTRUCTIONS CAREFULLY PRIOR TO INSTALL

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Included in kit

Letter	Description	Location	Quantity
A	REAR RACK SUPPORT TOWERS PASSENGER AND DRIVER	Hardware Box	
B	TOWER SUPPORT PLATES PASSENGER AND DRIVER	Hardware Box	
C	<p>MOUNTING HARDWARE</p> <p><u>CONTENTS:</u> 2- 3/8-16 x 3/4" Hex head screw 2- 3/8-16 x 2" Hex head screw SS 4- 3/8" Lock washer SS 10- 3/8" Flat washer SS 4- 3/8" x 1-1/4" Carriage screws SS 4- 3/8" Nylock nuts SS 1- Packet Anti-seize lubricant 2- Oval black aluminum adhesived backed wear plates (place on vehicle body under tower stand offs 12)</p>	BAG #1 Hardware Box	1



DRIVER SIDE

PASSENGER SIDE

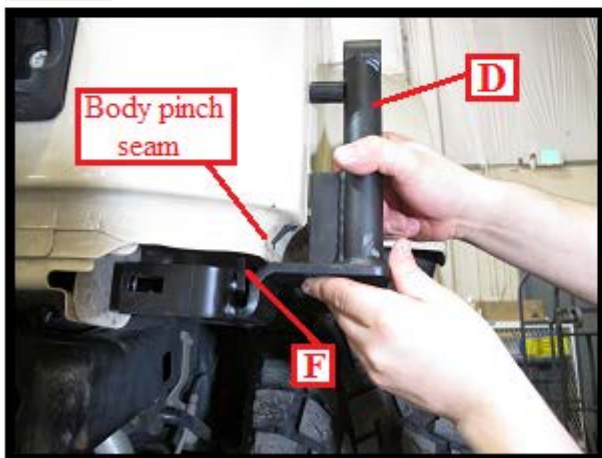
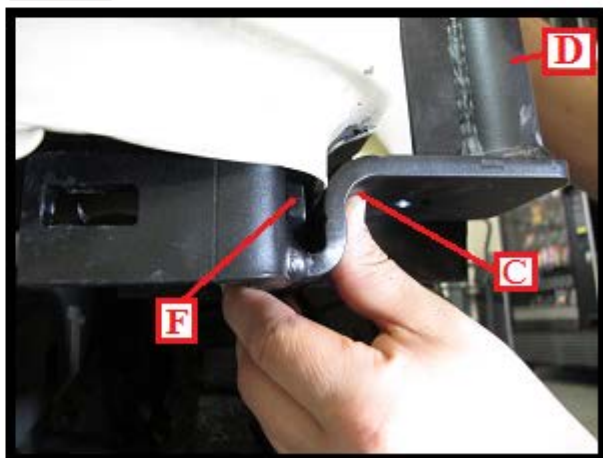
GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Fig. 1

If excess body putty is present on rear body pinch seam as shown in Fig. 11 passenger side remove with plastic tool so that the body seam is free from any obstructions. Correctly staged body seam shown in Fig. 2.

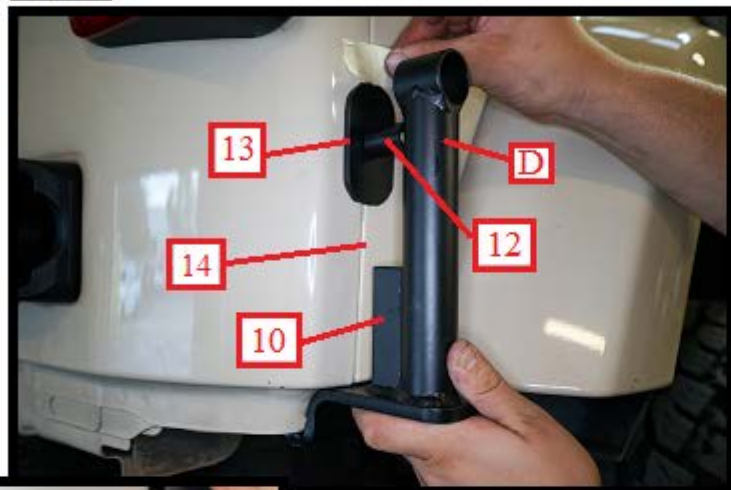
Fig. 2**Fig. 12a**

Clean all dirt and debris from the underside of body tub (T) both passenger and driver sides.

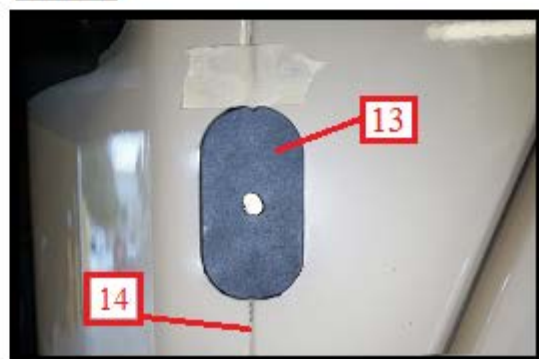
Fig. 3**Fig. 4**

Remove from your hardware box the passenger side support Tower (D) indicated by a printed label (PASSENGER SIDE). Slide Tower (D) up onto the rear passenger side body pinch seam with pinch plate (F) positioned on the inside of body as shown in Fig. 3 and Fig. 4. Make certain that Tower (D) is pushed up as high as possible so that the curved section (C) of the Tower support plate mates with the curved area of the Body as shown in Fig. 4, Fig. 5 and Fig. 6.

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Fig. 5

After you have fully pushed up the passenger side support tower in place as shown in Fig. 6 and Fig. 5 align the tower flange (10) Fig. 5 and the center of the upper tower tube (11) Fig. 7 with body seam (14) and hold in place with one hand. Remove from your hardware kit Bag #1 one black oval wear plate (13) (*do not peel off the protective adhesive film*) and slide behind tower stand off (12) so that the center hole of plate (13) aligns with the center of the tower stand off (12) and body seam (14) hold plate and tower in place against vehicle body with one hand then stick a piece of masking tape on the body above the oval wear plate to use as a marker shown in Fig. 5 and Fig. 8. Remove tower (D) and wear plate (13) and clean off the surface area of the body where the oval plate will be placed with denatured alcohol then let dry for 30 seconds. Peel off the adhesive film from the wear plate and adhere the wear plate to the vehicle body under the masking tape marker and in line with body seam (14) as shown in Fig. 8.

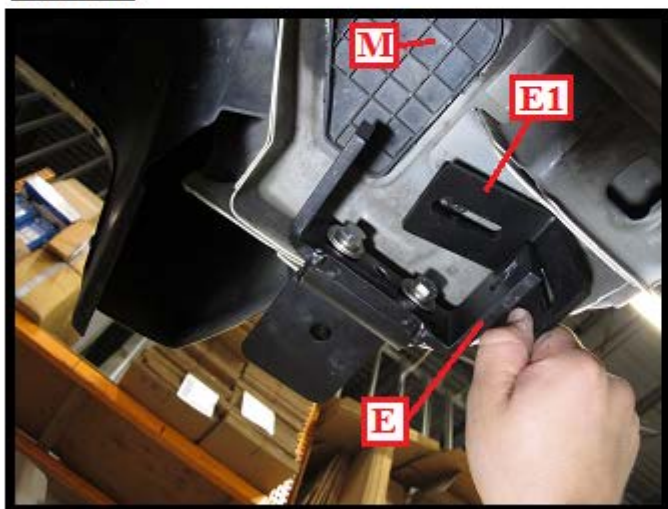
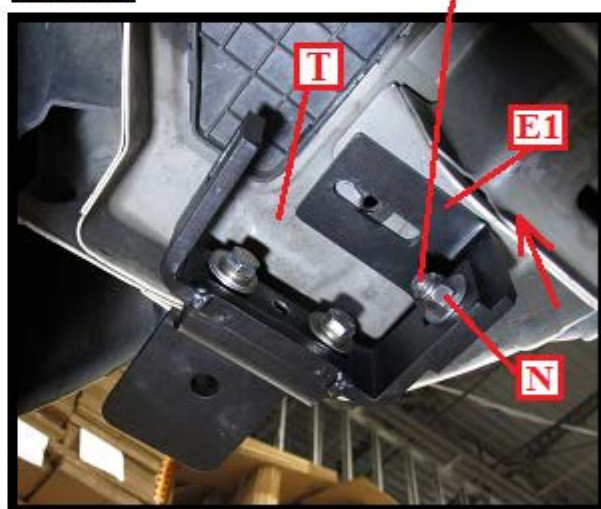
Fig. 6**Fig. 7****Fig. 8**

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Fig. 9

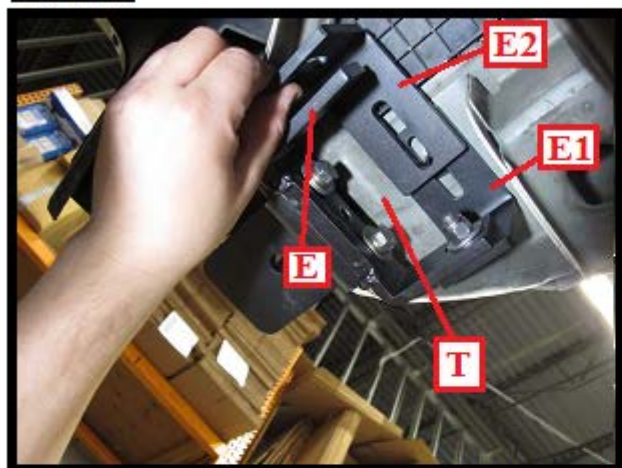
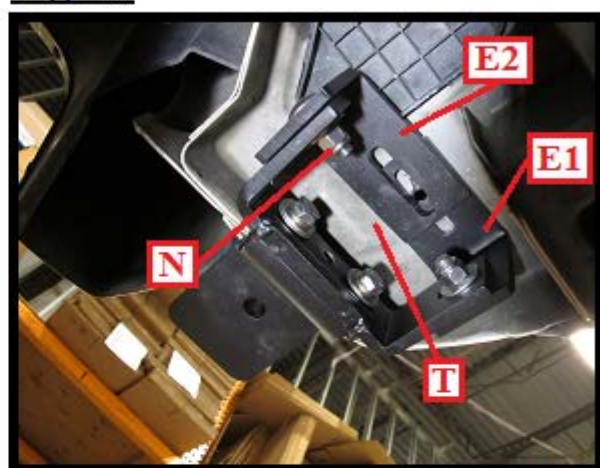
Reinstall Tower (D) as shown in Fig. 5, 6 and Fig. 7 then fully tighten both 3/8" hex head screws using a 9/16" ratchet or boxed end wrench while applying upwards pressure to Tower (D) as shown by the red arrow in Fig. 9.

Apply Anti-Seize
lubricant to all
threaded screws.

**Fig. 10****Fig. 11**

As shown in Fig. 10 slide the short passenger side tower support bracket (E1) with the long slot facing upwards over the tower support arm (E) opposite the plastic cover (M). Install one 3/8-16 x 1-1/4" carriage screw, 3/8" flat washer and 3/8" nylock nut (N) located in Bag #1 of your hardware kit as shown in Fig. 11. Push up support bracket (E1) in the direction of the red arrow as shown in Fig. 11 until it contacts the bottom of tub floor (T) and align the slot of bracket (E1) with the hole in tub floor (T) and snug down only, leave some play for adjustment.

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

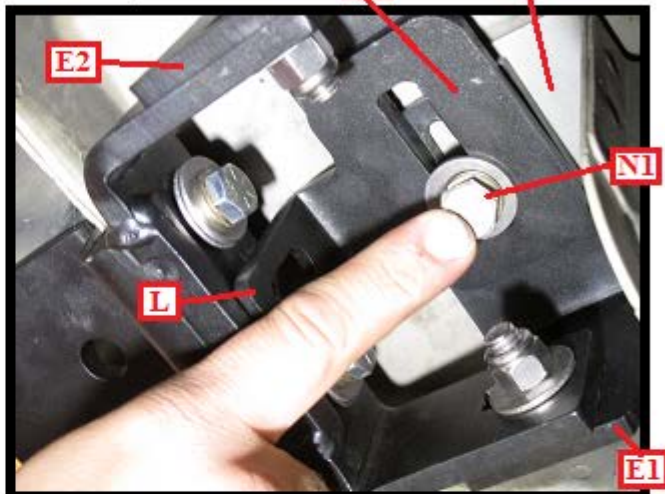
Fig. 12**Fig. 13**

As shown in Fig. 12 slip support bracket (E2) with the longer slot facing up over tower support arm (E) and onto support bracket (E1). As shown in Fig. 13 align bracket slot (E2) with the hole in tub floor (T). As shown in Fig. 13 install one 3/8-16 x 1-1/4" carriage screw, 3/8" flat washer and 3/8" nylock nut (N) located in Bag #1 of your hardware kit. Push up support bracket (E2) shown in Fig. 13 until it contacts the bottom of the support bracket (E1) keep aligned and snug down only, leave some play for adjustment.

Fig. 14**Fig. 15****Fig. 14a****Unplug connector**

As shown in Fig. 14 use a Phillips screw driver and remove only the two left side screws (S) of the rear passenger side tail light. As shown in Fig. 24a remove the entire tail light and unplug the rear tail light electrical connector and set tail light aside for now. As shown in Fig. 15 reach down inside rear tail light fender cavity and remove any foam which is covering the tub floor access hole (T). Only remove the foam directly around the access hole on tub floor and make certain the floor is relatively clean and flat.

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Fig. 16**Fig. 17**

Remove washer plate (E3) from your hardware kit and slip a 3/8-16 x 2" hex head screw, lock washer and flat washer (N1) from Bag #1 through washer plate (E3) as shown in Fig. 16. Insert assembly (E3) / (N1) up into the tub floor hole (T) passing through tower support brackets (E2) and (E1) as shown in Fig. 17. Brackets (E2) and (E1) may need to be loosened to pass screw (N1) through all parts then into tub hole (T). Make certain tab (L) of washer plate (E3) is positioned between the two hex head screws as shown in Fig. 17. With one hand hold washer plate assembly (E3) / (N1) up in place and with the other hand slip nut plate (E4) into rear body tail light cavity as shown in Fig. 18 and Fig. 19 then thread screw (N1) into nut plate (E4) as shown in Fig. 20.

**Fig. 18**

Remove from your hardware kit nut plate (E4) and place it down inside the rear tail light cavity.

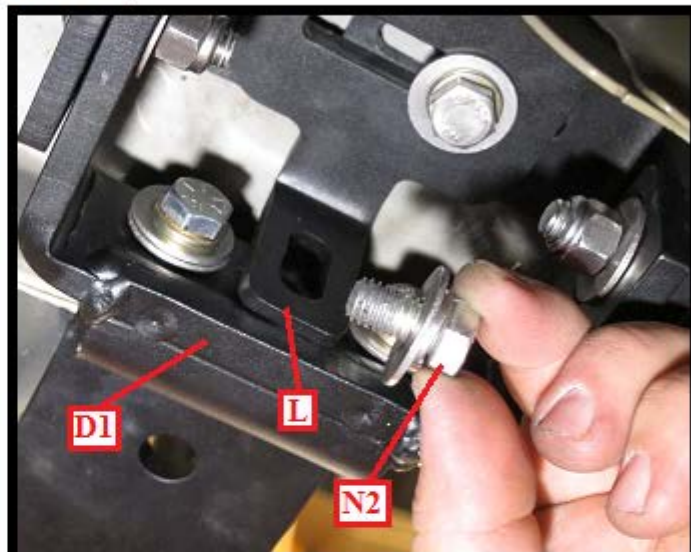
**Fig. 19**

Align the hole of nut plate (E4) with the hole at the bottom floor of tub (T). Direct the point of nut plate as shown.

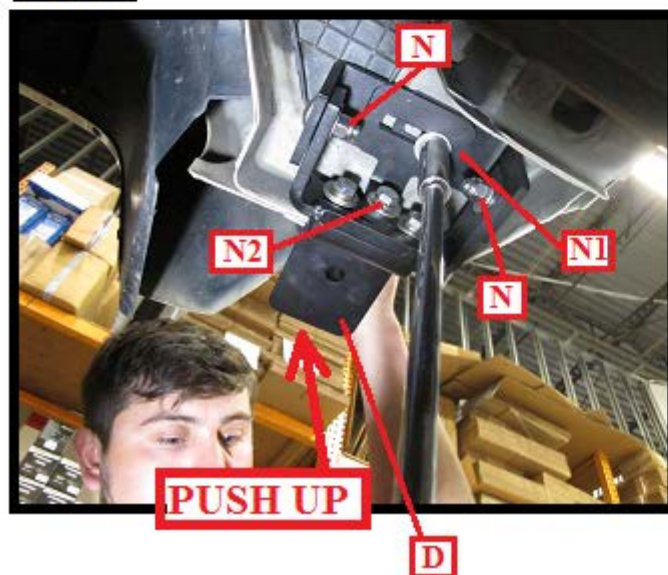
Fig. 20

With one hand partially thread screw (N1) up into nut plate (E4) shown in Figures 17 thru 19.

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Fig. 21**Fig. 22**

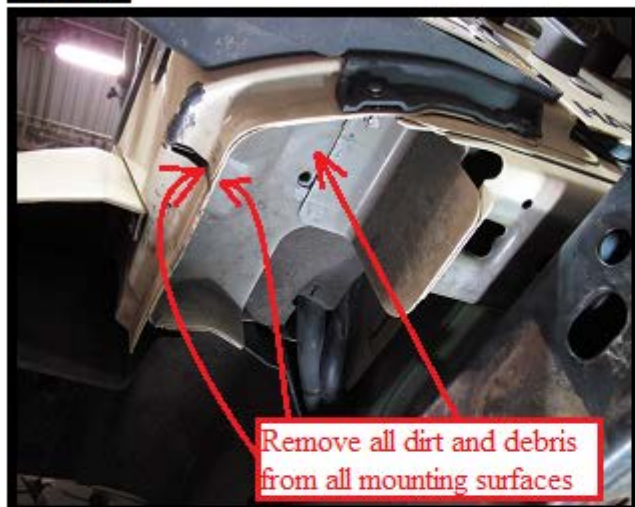
As shown in Fig. 21 make certain all parts (E1), (E2) and (E3) are closely fitted but still adjustable. Using a 9/16" ratchet tighten screw (N1) drawing all parts upwards until they are snug up against tub floor (T) but still adjustable. As shown in Fig. 22 center tab (L) between both hex head screws and push against tower base (D1) then thread a 3/8-16 x 3/4" hex head screw, lock washer and flat washer (N2) located in Bag #1 of your hardware kit and snug down to a close fit leave loose enough for adjustment.

Fig. 23

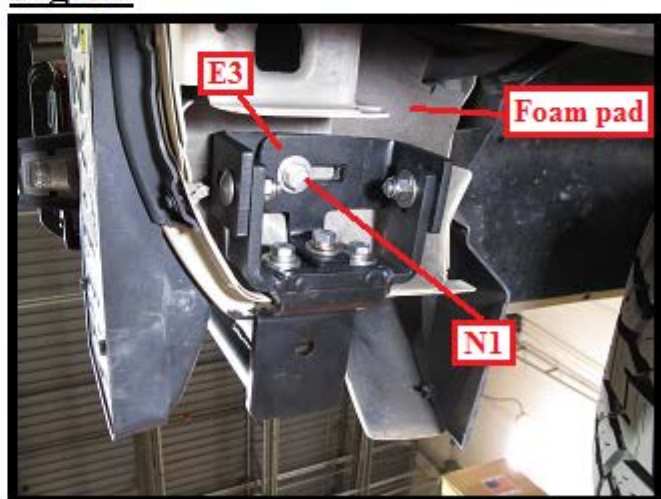
While pushing up on Tower base (D) as shown in Fig. 23 and Fig. 9 fully tighten screw (N1) using a 9/16" ratchet then follow by fully tightening 2 screws (N) and 1 screw (N2) using a 9/16" ratchet or box end wrench. Secure tail light housing back in place by reversing the procedure in Figures 14 and 14a.

**PASSENGER SIDE TOWER
INSTALLATION COMPLETED.**

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

Fig. 24**Fig. 25**

Driver side Tower install is very similar to the passenger side. First clean the lower tub surface along with the pinch seam surfaces inside and out as shown in Fig. 24. Install the Driver side tower shown in Fig. 25 in the same manner and procedure as shown in Figures 1 thru 9 and fully tighten in place.

Fig. 26**Fig. 27**

Install both tower bracket supports (E2) shown in Fig. 26 as completed in Figures 10 thru 13. Then install washer plate (E3) shown in Fig. 27 as completed in Figures 16 and 17. Slip nut plate (E4) above tub floor (T) as shown in Fig. 26 by pushing foam pad up and out of the way. Thread washer plate assembly (E3) / (N1) into nut plate (E4) and complete the installation process as shown in Figures 21, 22 and 23 then fully tighten in place. DRIVER SIDE TOWER INSTALLATION COMPLETED.

GOBI JK ROOF RACK ADAPTOR KIT FOR (AEV) REAR BUMPER INSTALLATION INSTRUCTIONS

FULLY INSTALLED GOBI JEEP JK ROOF RACK SUPPORT SYSTEM WITH (AEV) REAR BUMPER

