

GOBI TOYOTA FJ CRUISER PASSENGER SIDE LADDER INSTALLATION INSTRUCTIONS

The Gobi ladder must be inspected before each use to make certain attachments are secure, and for evidence of wear. Misuse of the ladder 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.

CAUTION

"LADDER IS TO BE TRAVERSED UPON

ONLY

WHEN THE REAR DOOR IS FULLY

CLOSED AND LOCKED"

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Guidelines:

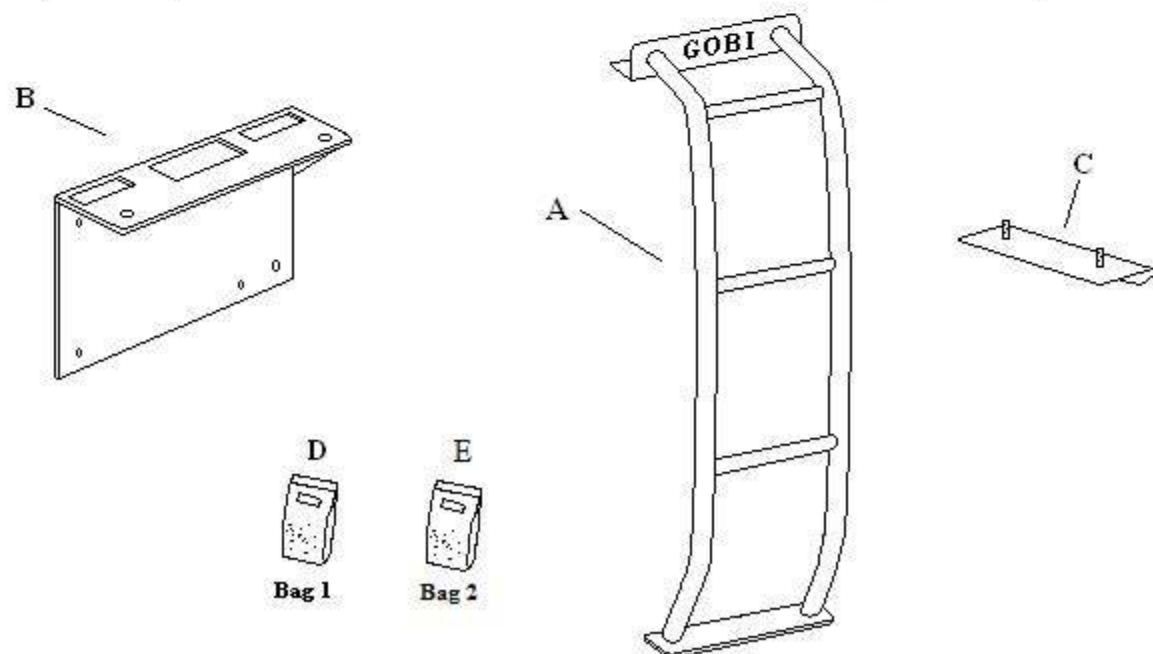
When using Load Carriers and Accessories, the user must understand the precautions. The points listed below will assist you in using the rack /carrier system and will encourage safety.

- For quality fits and safety, 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 warranty.
- 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 beyond 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, knob, 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 entering 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.

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Included in kit

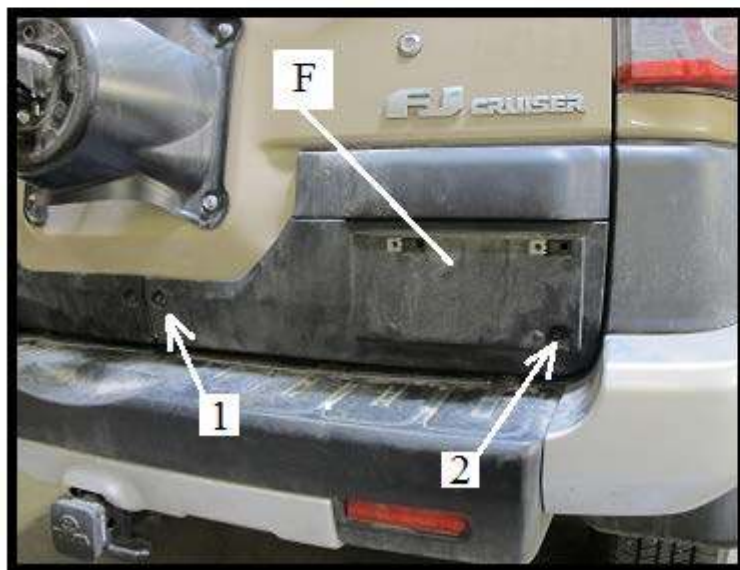
Letter	Description	Location	Quantity
A	GOBI TOYOTA FJ PASSENER SIDE LADDER	Main box	1
B	LOWER LADDER SUPPORT PLATE	strapped to ladder	1
C	LADDER HANGER PLATE	strapped to ladder	1
D	GOBI TOYOTA LADDER HARDWARE CONTENT: 2- 5/16-18 Stainless steel nuts 2- 5/16 Stainless steel/neoprene washer 2- 5/16" Stainless steel lock washer 1- Pack of Anti-seize lubricant paste 1- 3/16" short Allen wrench 2-5/16-18 x 1" Stainless steel button head screw 2- 5/16" Stainless steel flat washer 2- 5/16" Stainless steel lock washer	BAG#1	1
E	GOBI HARDWARE FOR SUPPORT PLATE "B" CONTENT: 3- 1/4-20 x 2" Stainless Steel button head screw 4- 1/4" Stainless steel flat washers 5- 1/4" Jack nuts #12995 1- Jack nut tool #JNT1100 1- 1/4-20 x 1" hex head screw — Pre-assembled 1- Jack nut Test plate 3- Nylon stand offs, 1-3/4" x 3/4" and 2- 1/2" x 5/16" 4- 1/4-20 x 1/2" Phillips pan head screws	BAG#2	1



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**Fig. 1**

Remove spare tire from rear tire mount base as shown in Fig. 1

**Fig. 2**

Remove both screws (1) and (2) then pull off rear cover (F).

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Fig. 3

Remove from rear door rear cover snaps (D) and (E) and threaded rubber insert (F)



Fig. 4

Use a 7/16" drill bit and open the square holes in the rear door as shown to round 7/16" holes.

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**Fig. 5**

After you have enlarged the three holes use touch up paint or an anti-rust paint and seal the raw exposed steel around each hole.

**Fig. 6**

Refer to page 7 for jack nut installation. Install all three jack nuts as shown in Fig. 6



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ASSEMBLY OF JACK NUT FOR INSTALL INTO REAR DOOR PANEL

Fig. 7



1/4-20x1" Stainless hex screw

1/4" Flat washer

4JNT1100 jack nut
tool dimples
faced up

1/4-20 jack nut

Add anti-seiz lub
supplied in your
hardware kit to hex
screw before install

Note: If you have never installed a Jack nut before use the sample 4" x 4" plate and extra jack nuts supplied in your hardware kit Bag #2 to understand how to correctly install a jack nut. Take the supplied 1/4-20 x 1" stainless steel hex screw and slide on the supplied steel washer and jack nut tool with the dimples facing upward as shown in Fig. 7 above then apply a generous amount of anti-seize paste onto the threads then thread hex screw into the jack nut finger tight. When completed the assembly must appear as shown in Fig. 7 above. Take the sample plate and slide the jack nut through it, use a 7/16" ratchet and at the same time you tighten the hex screw apply pressure down onto the plate. Tighten the hex nut firmly until the jack nut legs spread out behind the sample plate then remove the 1/4-20 x 1" hex screw and washer. Also try to overtighten a jack nut to understand how much pressure you can apply before damaging the jack nut. Remember to apply Anti-seize paste to each jack nut install. This short exercise will prevent complications during the actual install.

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Fig. 8

After all three jack nuts have been installed snap back in place rear door license plate trim cover (F).

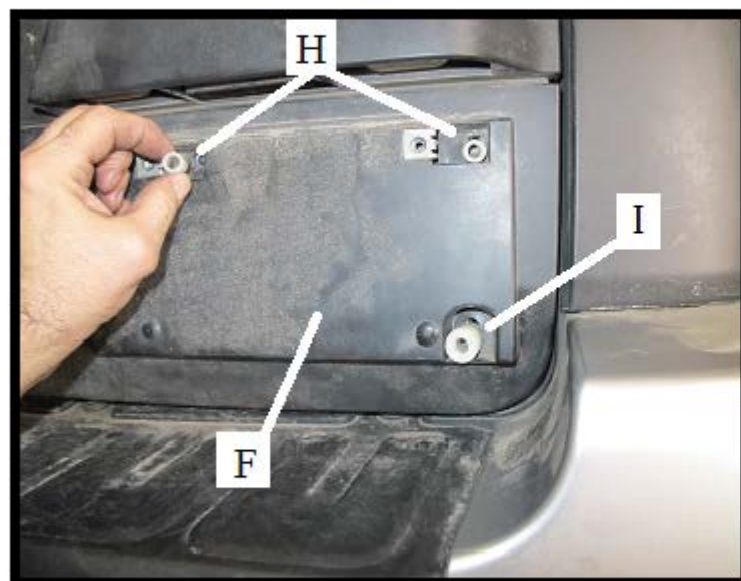


Fig. 9

Supplied in Bag #2 are 2 small (H) and 1 large (I) nylon stand offs. As shown in Fig. 9 place the large nylon stand off (I) in the hole located at the bottom right hand side of the license plate trim cover (F) then place the 2 smaller stand offs (H) in the recess holes above as shown in Fig. 9.

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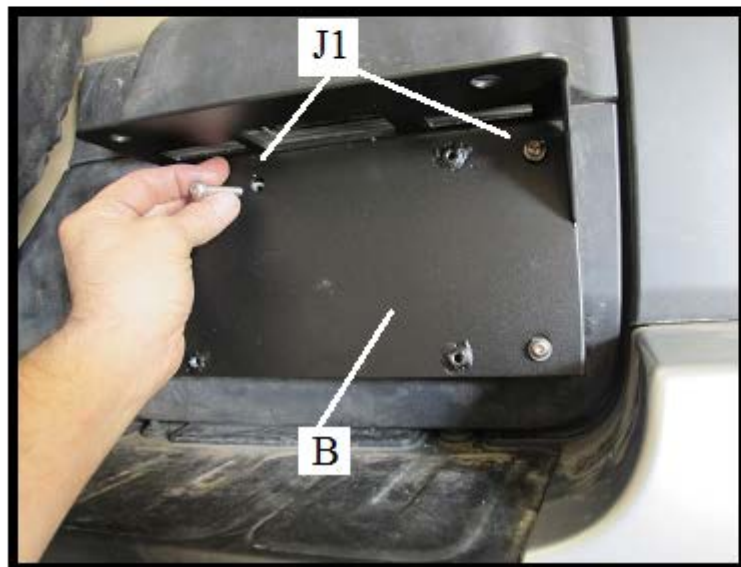


Fig. 10

Install lower ladder support plate (B) as shown using 3-1/4-20 x 2" stainless screws and flat washers (J1). Level out support plate (B) and fully tighten.

Spare tire can also be reinstalled at this point.

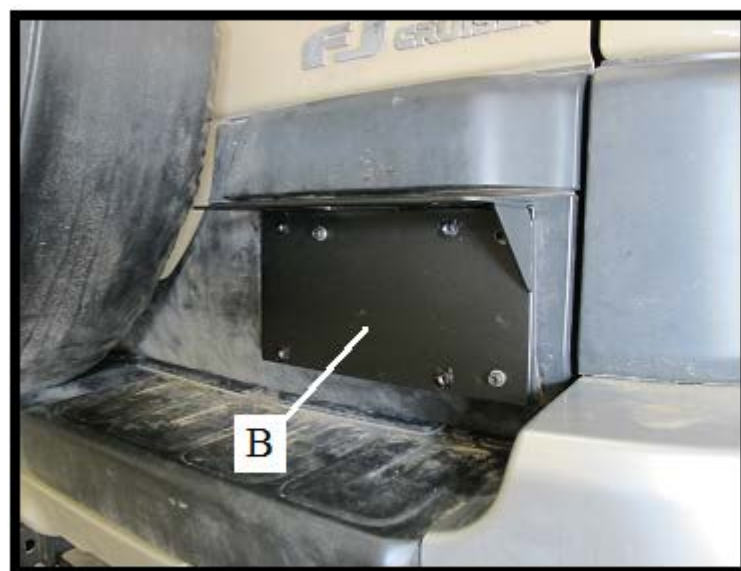


Fig. 11

Ladder support plate (B) fully installed.

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Fig. 12

Install license plate using the 4 phillips pan head screws located in a separate bag in Bag #2 of your hardware kit.

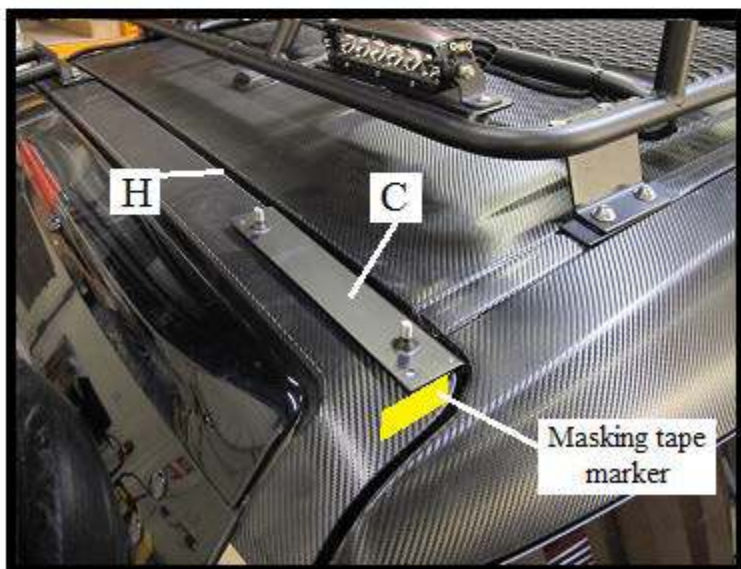


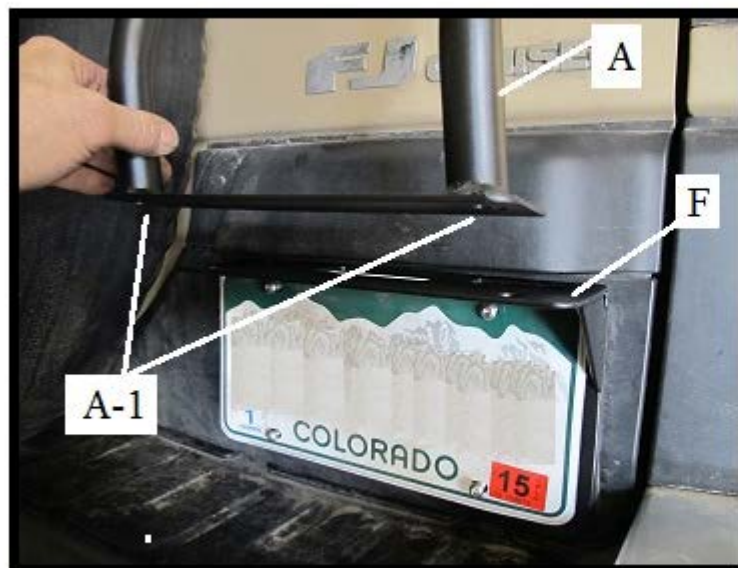
Fig. 13

Remove the upper ladder hanger plate (C) from your hardware kit and hook onto the upper door lip (H) as shown in Fig. 13. Do not remove the protective double back tape film at this time.

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**Fig. 14**

Hang ladder (A) onto ladder hanger plate (C) screws (C-4) as shown in Fig. 14 and Fig. 14a.

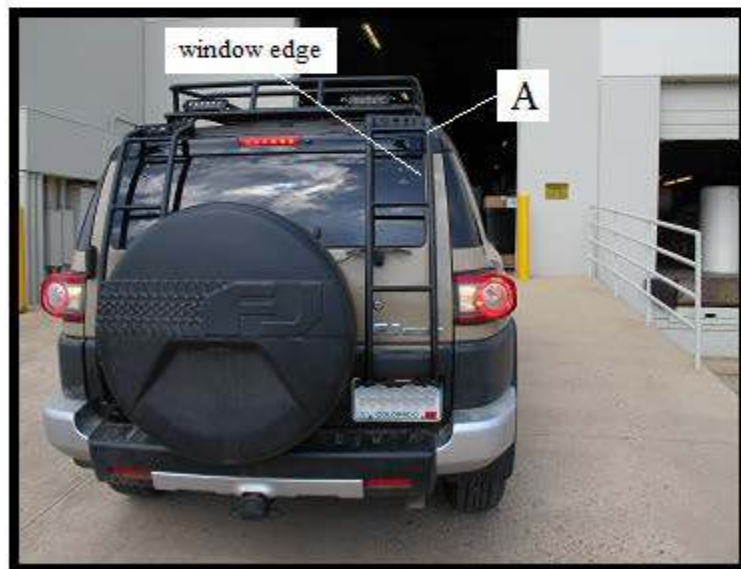
Fig. 14a**Fig. 15**

Remove two 5/16-18 x 1" stainless steel button head screws, washers and flat washers (A-1) from the bottom of ladder (A) using the 3/16" Allen wrench located in Bag #2 of your hardware kit. Place the screws on the bumper just below the license plate as they will be used momentarily, then place ladder (A) onto support plate (F) as shown in Fig. 15.

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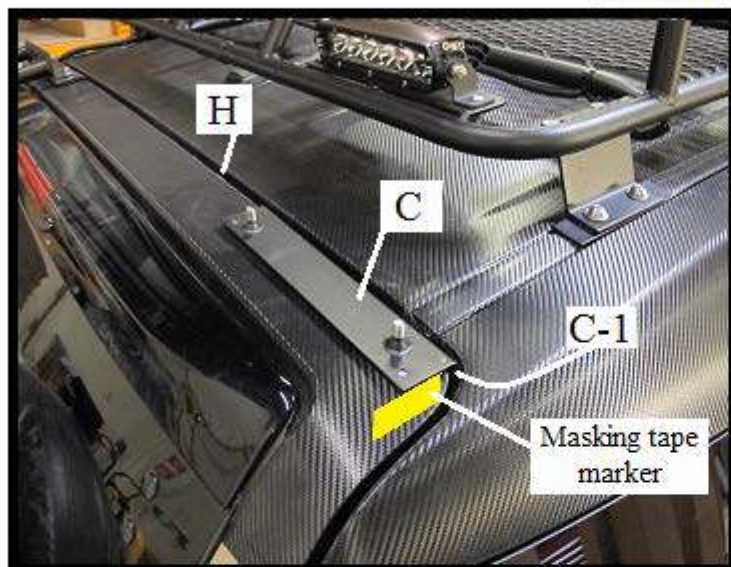
**Fig. 16**

Reinstall screws (A-1) back into the bottom of ladder (A) through support plate (B) as shown in Fig. 16 finger tighten only at this time. Leave screws snug not loose.

**Fig. 17**

Step back and look at the ladder and check that the ladder is vertically true with the edge of the rear window as shown in Fig. 17. Ladder can be moved at this time at the top by sliding hanger plate (C) either right or left and a little at the bottom in the same fashion to true out the ladder. After the ladder appears straight with the rear window edge place a piece of masking tape at the edge of ladder hanger plate (C) as shown in Fig. 13.

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Fig. 18

Remove screws (A-1) from the bottom of ladder (A) as shown in Fig. 16 then remove ladder (A) from hanger plate (C). Remove hanger plate (C) from top of rear door and clean the area of the door just under hanger plate (C) with denatured alcohol then peel off the protective double back tape film and reinstall hanger plate (C) making certain that the inner edge (C-1) of hanger plate (C) is in full contact with upper door lip (H) as shown in Fig. 18, 19 and 19c. Press down firmly and hold in place for 30 seconds. Reinstall ladder (A) back onto ladder hanger plate (C) and onto support plate (B) as shown in Fig. 14 and 15. Install screws (A-1) back in place under ladder as shown in Fig. 16 through support plate (B). Install the stainless steel neoprene washers, lock washers and nuts onto screw threads (C-4) as shown in Fig. 19c then fully tighten all screws (C-4) and (A-1). Make certain ladder is vertically true. Do not over tighten.

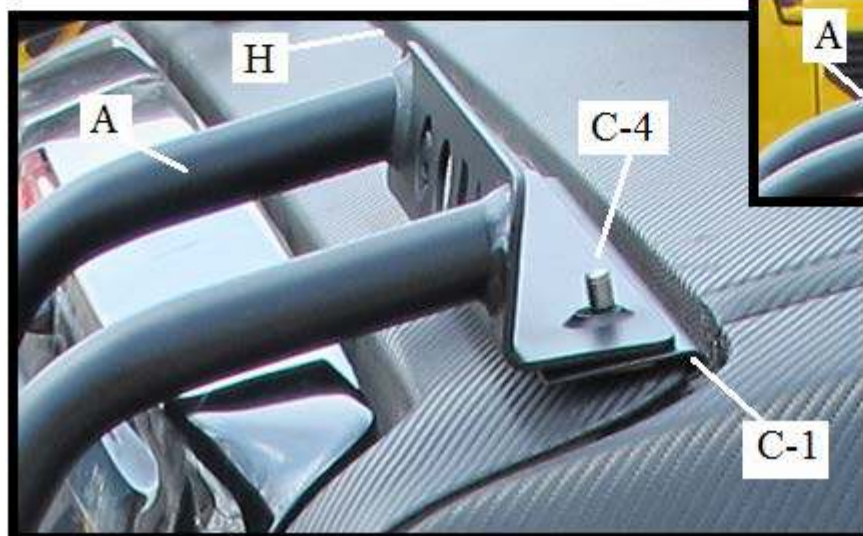
Fig. 19**Fig. 19c**

Fig. 19c above showing ladder (A) fully tightened in place onto ladder hanger plate (C).

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GOBI TOYOTA FJ REAR DOOR PASSENGER LADDER FULLY INSTALLED