FJ CRUISER FRONT BUMPER INSTALLATION INSTRUCTIONS

Important notices:

These instructions are intended only as a general guide for installing RESZ Fab products. If you have any doubts or questions about installing these or other parts please email the shop mike@reszfab.com

Hardware List:

- (2) M12-1.25 X 35mm bolts = included
- (2) M12 flat washers = included
- (4) Zip-ties = not included
- (2) Rubber hoses = not included

Installation Procedure:

REMOVE RADIATOR GRILL

1. Remove radiator grill: Remove the 2 top clips, then remove the (2) 10mm top screws – then disengage the 5 clips and remove the grille from the vehicle
2. Using a clip remover, remove the 5 top clips

3. Remove the 8 screws and 4 bolts – all 10mm in size

4. Disengage the 2 claws
5. Remove the 4 clips and remove the front bumper cover

6. Remove the front bumper filler plates (i.e. triangle plastic pieces) under blinker/headlight assembly. *TIP: BEGIN AT THE POINTY CORNER and pull straight out towards you; do NOT begin prying at the outer vertical edge under the blinker assembly.*
7. Remove the front bumper side supports by removing the (2) 10mm screws and disengaging the 2 claws – then remove the side support

8. Remove the horizontal center sheet metal brace. It is the long narrow brace that runs across the front of the FJ. It is attached at each end to a bracket just below the headlights. There are (3) pieces total. The outside pieces have a “hidden” 10mm nut on the inner side of the front fender flares. At this point, all front OEM bumper braces should be removed.

9. Remove the front bumper reinforcement; remove the (4) 14mm nuts and the front bumper reinforcement
10. Remove both front bumper extensions; remove the (8) total 14mm nuts and the front bumper extensions. Leave the (4) bumper stud posts on each side in place and hold onto the original nuts for final install.

![Diagram](image1.png)

11. Remove the factory hood latch assembly (vertical piece) by removing the plastic beauty cover first. Disengage the side tabs by pulling gently towards yourself, and then pull the cover down towards the ground to disengage the final clips [pic1]. Next remove the hood latch assembly by unbolting the (3) 10mm bolts and unclip the ambient temp sensor [pic 2]. Finally, unbol the 10mm bolt at the top and at the bottom of the vertical hood latch support brace. *TIP: The factory hood latch assembly is reused, but needs to be removed to allow the A/C condenser line to be bent back and positioned behind it for maximum clearance to the bumper*

![Picture 1](image2.png)
12. Modify the hood latch assembly brace to remove the “bump out” at the front which served as a clipping point for the front grill. **Method 1:** trim just the “bump out” with a dremel, saw, or angle grinder. **Method 2:** use a standard drill bit to drill out the (3) spot welds and remove the “bump out” completely for an OEM look.* See “X’s” in picture for spot welds.

*Method 1*  
*Method 2*
13. You will now need to “re-shape” the air conditioning condenser line. Remove the A/C condenser line bracket with white clip (not shown). Place a socket behind the aluminum tubing above the bend at the lower fitting to support the line while bending [pic 1]. Flex back tubing until it is vertical (parallel to the radiator) and looks like [pics 2 & 3]. Next you’ll need to bend the tubing towards the radiator to ensure it fits behind the hood latch assembly. Support the tubing with your left hand at the charging port box and then gently push back the middle of the tubing at the “U” bend towards the radiator [pic 4]. *TIP: GO SLOWLY IN SMALL INCREMENTS AND BE GENTLE… occasionally check your work by holding the hood latch assembly brace in its location to see if you’ve bent the tubing enough to clear.*
14. Install sections of rubber hose over the condenser tube where it runs close to the horizontal body brace and hood latch assembly to protect it from rubbing and vibrations. Secure the section of hose with the zip ties. [hoses and zip ties NOT included]
15. You will need to “modify” the two sheet metal brackets underneath the headlights to allow the bumper to fit over them without interference. There is a small “tab” that sticks up from these brackets towards the headlights. **Method 1 (yellow circle):** simply cutoff the vertical threaded stud… this typically provides enough room for install. **Method 2 (red circle):** use a cutoff wheel / dremel / hack saw to remove a portion of these brackets. *TIP: This will allow room for a body lift.*
16. Remove, cover, or paint the windshield washer reservoir at this time.

17. The inner fender wheel liners that project downward towards the backside of the front bumper can now be trimmed. An easy way to trim them is using a coarse hacksaw blade or box cutter. Trim by hand. Trim the liner up flush with the main fender well “ceiling”. *TIP: heat up the razor blade with a lighter to make a buttery smooth cut line*

18. Test fit the bumper onto the FJ frame studs… **DO NOT fully bolt up the bumper at this point if you are installing a winch. Winch first, then bumper.** *TIP: The pic below illustrates how the front of your FJ should look after completing the modifications performed in the steps above. Now you’re ready for the test fit!* Oh, and go ahead and take the extra 15 minutes to rattle can paint the exposed sheet metal… especially the bare metal parts that your cutoff/grinded in earlier steps to prevent rust.

**CHECK LIST: Did you remember to???
- ✔ bend the A/C condenser line at the lower fitting with a socket?
- ✔ shape the A/C condenser line by hand to run closer to the horizontal body brace?
- ✔ shape the A/C condenser line behind the hood latch assembly?
- ✔ zip tie rubber hoses to the A/C condenser line by the hood latch and body brace to protect it?
- ✔ trim off the tabs on the sheet metal brace under the headlight assemblies?
- ✔ reinstall the hood latch assembly and plastic beauty cover?
- ✔ paint the exposed metal… your FJ deserves it!
- ✔ stop to enjoy a cold beverage from all the hard work you just did!

19. If you are installing a winch, **install the fairlead now**… prior to the winch installation.

20. Install Winch = Please refer to your winch manual for install instructions as models vary.

21. Lift the bumper with/without winch installed up and onto the (8) studs that extend from the frame rails. Using the stock frame rail end nuts, bolt the bumper on to the frame rail end studs.
22. Adjust the bumper at each frame rail by lifting or lowering the bumper to achieve the same gap between the bumper top and the body lines under the headlights.

23. Tighten all of the (8) 14mm stock locknuts to hold the bumper on. Torque nuts to **48 ft/lb**. Install and tighten the supplied (2) M12-1.25x35mm bolts with washers thru the side support tabs of the bumper to the frame. Torque to **54 ft/lb**.

*TIP: For maximum clamping power, knock out the factory bumper studs and replace with grade 8 or higher hardware.*

24. Tighten all hardware and verify hood latch function.

25. Reinstall in the triangle bumper filler pieces and the front grill.

26. Re-torque the nuts that hold the bumper and bumper valance on after the first 50 miles, then at regular engine service intervals.