

Land Cruiser 80 Series Washer Bottle Relocation Kit

Installation Instructions

SKU **WBRFZJ80**

This kit includes all the necessary components to relocate the windshield washer reservoir bottle from the front right of your 80 Series Land Cruiser 1FZ-FE engine bay to the back right. This creates space at the front of your engine bay for implements such as dual battery systems and air compressor. See the Couth Land Cruiser 80 Series Dual Battery Tray for options. The installation process will involve installing the bracket and relocating the washer bottle to the new bracket, then extending the wiring for the washer bottle pump since the relocation will leave the existing cable too short. Our USA-made bracket is made from 5052 grade aluminum and powder coated.

Compatibility

1993-1997 Toyota Land Cruiser, 1996-1997 Lexus LX450

Required Tools

- Metric sockets, ratchet, and various extensions
- Wire cutters/strippers
- Soldering Iron and solder

Included Parts

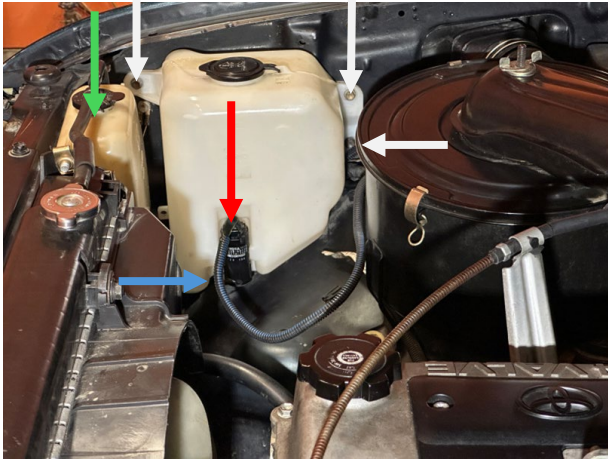
Part	Quantity
Bracket	1
M8x30mm Bolt	3
M8 Washer	6
16mm Steel Spacer	3
M5x40mm Bolt	1
M5x25mm Bolt	2
M5 Oversized Washer	6
22mm PETG Spacer	1
14AWG Wire (2')	2
Heat Shrink Tubing (1.5")	2
Split Loom Tubing (2')	1
Cable Ties	3



Installation

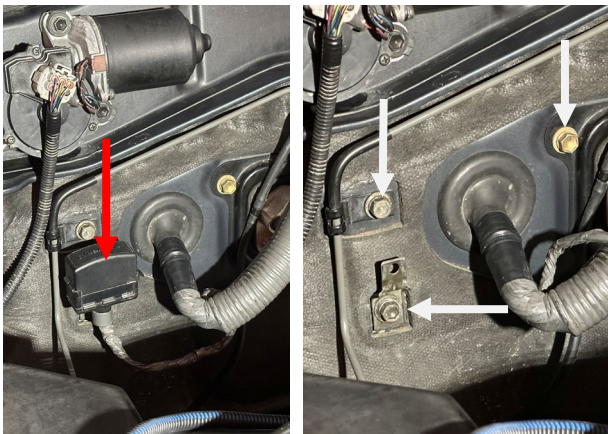
1. Locate the washer bottle and disconnect the connector from the pump (red arrow), and tubing (blue arrow). If you have washer fluid in your reservoir, be prepared to plug the opening quickly with your finger or an object. This project is easier with an empty reservoir.

2. Remove the three bolts (white arrows) securing the reservoir to the fender. For access, the coolant overflow tank (green arrow) can be pulled up and out of the way without tools. The washer bottle will now be loose for removal.

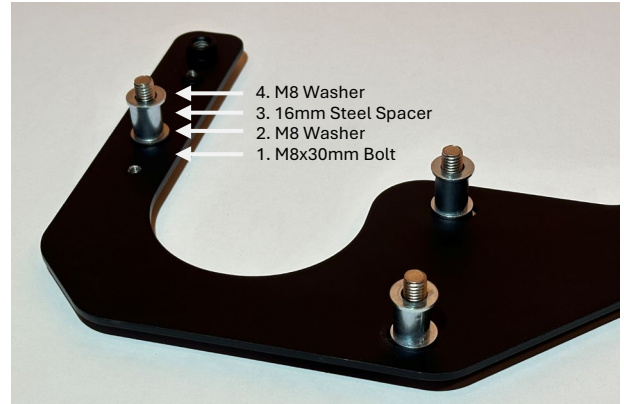


3. Locate the right side of the firewall and remove the Diagnostic port (red arrow) by pulling out the plastic tab and pulling the plastic housing off its bracket.

4. Remove the three bolts (white arrows). Save the Diagnostic port mounting bracket and screw.



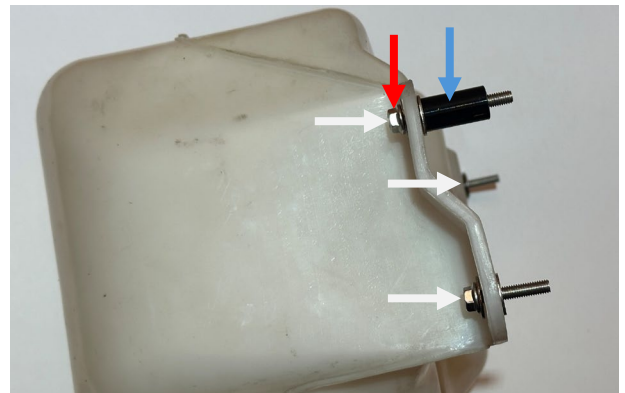
5. Prepare the bracket for installation. The hardware should be inserted into the three large slots in the following order: M8 Bolt > Bracket > M8 Washer (on back of bracket) > 16mm Steel Spacer > M8 Washer. Temporarily taping the bolts in place may aid in installing the bracket.



6. Install the bracket in the three threaded holes made available in Step 4. Level the bracket and tighten bolts firmly.



7. Prepare the reservoir for installation. The hardware should be inserted into the three large holes (white arrows) in the following order: M5 Bolt > M5 Oversized Washer > Reservoir > M5 Oversized Washer (on back of bottle). Use the M5x40mm bolt (red arrow) and 22mm plastic spacer (blue arrow) included in the kit on the top right hole.



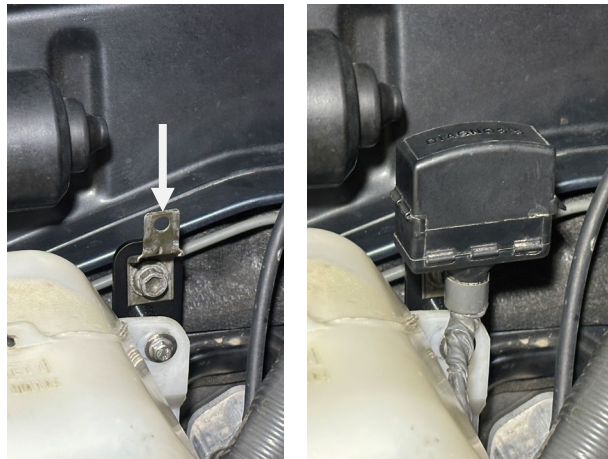
8. Install the bottle onto the three threaded holes of the mounting bracket. The left and bottom right holes are pre-installed threaded standoffs, and the top right hole is a pre-installed nut. Tighten firmly.



9. The washer fluid hose does not need to be extended and can be re-installed on the nipple of the fluid pump. The washer pump wiring needs to be extended to reach the bottle's new location. With the negative terminal of the vehicle's battery unplugged for safety, cut the original washer pump connector at least an inch away from the connector. Strip the wiring and solder on the extension cables included with this kit and finish the solder joints with the included heat shrink tubing. **Be sure not to reverse the original polarity when soldering the connector back on.** Use the split loom tubing and cable ties included with the kit to protect the wiring and neatly route and mount the newly extended cable. Re-connect the connector to the tank pump (red arrow).



10. Install the Diagnostic port mount (white arrow) removed earlier from the firewall on the bracket's pre-installed M8 nut using its original screw, then clip the Diagnostic port into place on the bracket.



11. Finally, refill the reservoir with windshield washer fluid and double check bolts, hose, and connector for good measure.

