



## INSTALLATION INSTRUCTIONS FOR A REPLACEMENT TANK

# THE LONG RANGER

THE BIG TANK FOR A BIG COUNTRY

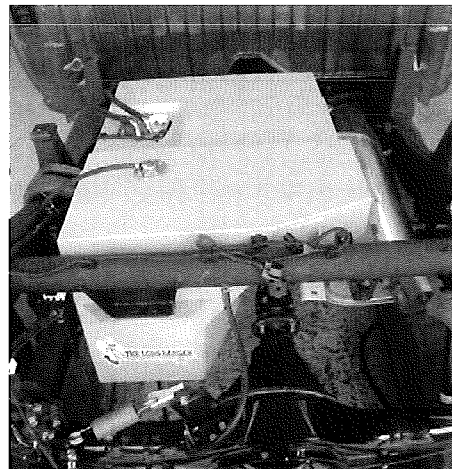
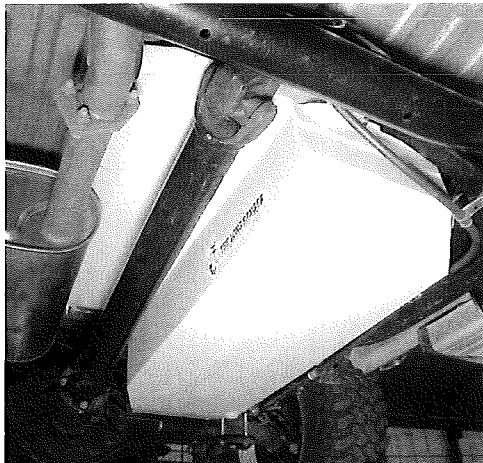


## MITSUBISHI TRITON 4WD

Single and Dual Cab – 2006 on  
TR67D – 125 litre Diesel Replacement Tank

### GENERAL NOTES

- a) Please take a few minutes to read through this installation guide before proceeding.
- b) Fitting time is approximately 3 hours. No major vehicle modifications are required.  
This LONG RANGER tank locates under the vehicle in place of the original tank.
- c) The original filler, and other fittings are used in this installation. Extreme care and cleanliness is recommended when handling fuel level sender and submerged fuel pump units. Check if the vehicle owner wants to retain the original tank and any associated parts.
- d) A vehicle hoist is not essential but will speed the job up significantly.
- e) Check that tools, clothing and footwear are clean before working on the interior of the vehicle.
- f) LONG RANGER tanks are coated with a high-performance primer. For added protection, a topcoat may be added. If the vehicle has been rustproofed, it is suggested that the tank (and any changes made to the vehicle during fitting) be touched up after installation.
- g) **Special tools:** A normal mechanical toolkit is sufficient - no special equipment or tools are required.



## INSTALLATION KIT TR67D

QTY DESCRIPTION This LONG RANGER installation kit has been checked by \_\_\_\_\_

- 1 LONG RANGER TANK (TR67D with 88mm pickup hole)
- 1 U Bolt C12
- 2 Self-locking nuts, M8 (for U bolt)
- 2 8x24 flat washers
- 4 10x30 flat washers
- 6 Screws, M4 x 10mm (not required on petrol models)
- 1 Hose clamp MH6 (Fast fill breather)
- 2 6mm spring clamp, (system breather)
- 1 Fuel hose 6mm x 450mm (system breather Diesel only)
- 1 Installation Instructions
- 1 Warranty Information Sheet and Return Card
- 1 LONG RANGER sticker
- 1 *Factory fitted in top of tank-Rollover valve (#VAROLL07)*
- 1 *Factory fitted in top of tank-Rollover valve grommet (#VAROLL08)*
  
- Required for factory diff lock only**
- 1 Factory difflock relocation bracket TR67B1

## INSTALLATION GUIDE

1. Please take a few minutes to read through this installation guide before proceeding.
2. Check that all items listed in the LONG RANGER installation kit have been received, and that nothing has been damaged in transit.
3. Although the LONG RANGER tank has been cleaned and sealed at the factory, it is recommended that its interior be vacuumed again as an added precaution against blocked filters and / or fuel pump damage.
4. If parts are missing or damaged, if foreign matter is found in the tank, or if any problems arise during installation, contact the factory office without delay for advice phone (02) 4953 3288, fax (02) 4953 1916 or visit [www.thelongranger.com.au](http://www.thelongranger.com.au)
5. Inspect any components to be reused from the original tank for serviceability and replace if found to be defective, eg. EFI pump strainers, fuel hoses, gaskets etc.
6. Remove LH wheel arch cover.
7. Disconnect Filler and filler breather hoses from tank.
8. Drain fuel from tank into a suitable container. ***NOTE:*** *Observe recognised safety practices when handling fuel.*
9. Disconnect rear drive shaft from differential only.
10. Partially lower original tank and mark fuel hoses for identification during reassembly. Disconnect fittings from the tank (pickup, return, system breather, sender and pump wires). ***WARNING:*** *Fuel in some hoses may be under pressure – take care when disconnecting.*

11. Remove original tank.
12. Refer to photo 1: Bend fuel lines a little for more clearance on front left corner of tank, check this clearance whilst fitting tank.
13. Refer to photo 2: Bend two handbrake cable brackets near rear left wheel as per direction of arrows in photo. This will allow more clearance and avoid chafing of cable on tank.
14. As per photo 3: Trim 40mm from filler and up to first bend on filler breather.
15. **IMPORTANT:** *thoroughly clean around gauge sender and fuel pump / pickup unit.*
16. Transfer pump / pickup unit to the new tank. The float should be aiming towards the rear of the tank. Using new screws supplied. (*Report any fuel contamination observed to the vehicle owner.*)
17. IF vehicle fitted with optional factory difflock, refer to Photo 4 for relocation bracket mounting.
18. Aim outlet of rollover valve towards filler side of tank.
19. Partially lift tank and support. Fit electrical plug to pickup unit.
20. On Diesel only, fit pickup & return lines
21. Lift tank into final position ensuring no squashed hoses or electrical cabling. **Hint:** *while lifting into place make sure filler clears handbrake cable. Loosely fit original nuts and new mudguard washers.*
22. Fit Ubolt supplied to driver's side rear bracket using new nyloc nuts and washers supplied. Note: saddle from Ubolt is not required.
23. Tighten all tank mounting nuts.
24. Re-connect drive shaft.
25. Fit system breather with new clamp supplied.
26. Connect filler breather and filler hoses, to new tank. **IMPORTANT:** Fast fill breather must be free of kinks and low points where fuel can lie.

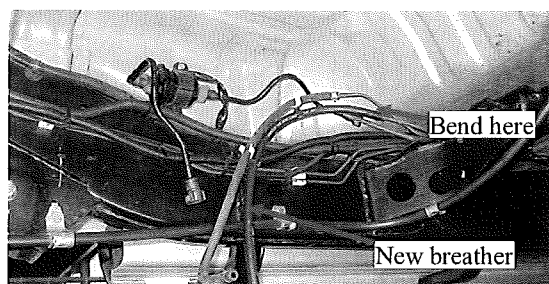


Photo 1: Bend fuel lines & new system breather

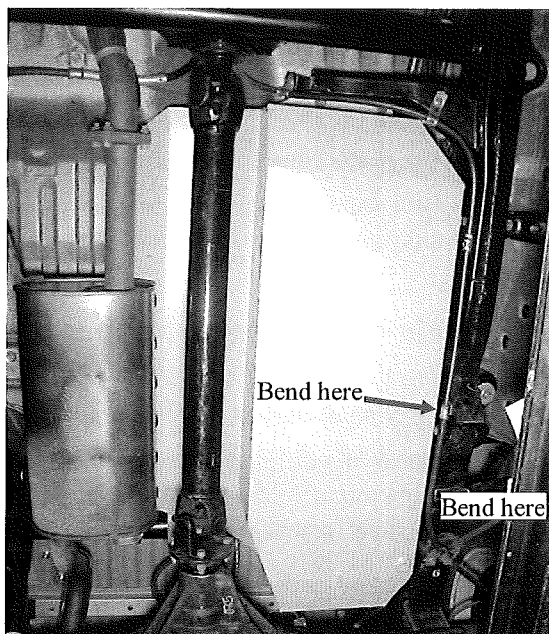


Photo 2: Bend fuel lines & new system breather

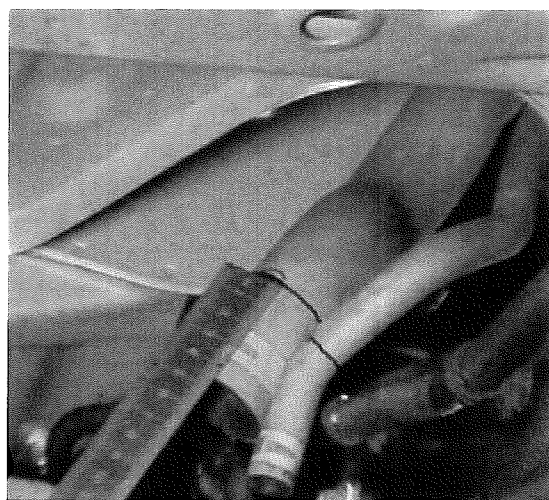


Photo 3: Bend fuel lines & new system breather

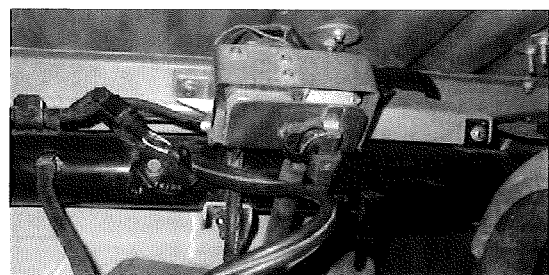


Photo 4: Difflock relocation position

Hint: *it may be easier to remove the filler to fit the fast fill breather.*

27. Re-fit wheel arch cover plate.

## **FINAL CHECKS**

28. Check that all bolts and hose clamps are tensioned correctly.
29. Check that adequate clearance exists all round the tank.
30. Transfer the fuel removed in an earlier step to the new LONG RANGER tank, checking fuel gauge operation.
31. Run engine, test drive the vehicle and inspect all fittings for leaks.
32. Visually check the job over, make sure all bolts and clamps are fastened correctly, ensure all fuel hoses, electrical wiring and brake lines will not chafe on nearby components and moving suspension, detail the area involved in the work before returning the vehicle to its owner.

## **Explain to the owner the operation of the LONG RANGER tank.**

- a) The LONG RANGER tank will fill in a similar fashion to the tank it replaces, but the operator has the option of carrying a substantially larger quantity of fuel.
- b) Due to the different shape of the LONG RANGER tank the gauge will measure a larger quantity of fuel and will remain on *FULL* for a longer distance before slowly moving to *EMPTY*. The low warning light (some models) when activated will also measure a proportionally larger quantity of fuel. It is suggested that the gauge readings be interpreted cautiously until familiar with the new readings.
- c) The trip computer with distance to empty will no longer accurately show the distance left to travel. It is suggested that the readings be cautiously interpreted along with the gauge until familiar with the new readings.
- d) The quoted capacity of the LONG RANGER tank was determined by a bench test. The actual operating capacity may vary slightly from vehicle to vehicle.
- e) The original vehicle springs do not take into account the additional weight of a bigger fuel tank. Suspension modification options are available if required – please enquire.
- f) The LONG RANGER tank is a premium quality accessory that will provide many years of satisfactory service provided that the Care and Maintenance items listed below are taken care of each time the vehicle is serviced.

Hand these instructions, together with the Warranty Registration card and warranty information, to the owner. Neatly apply the LONG RANGER sticker to the rear bumper or window.

## **CARE AND MAINTENANCE**

1. After the first **1,000 kilometres**, clean or replace the vehicle's fuel filter and check all hose connections for leaks. Check that all fasteners are correctly tensioned, and that there is no rubbing or chafing of the tank, fuel hoses or associated components.
2. At each of the vehicle manufacturer's recommended services, check all fastenings for the correct tension, that rust preventative has been correctly applied where applicable, release the tank drain plug and confirm that there is no water present, and replace the fuel filter according to manufacturer's recommendations.