INSTALLATION INSTRUCTIONS FOR A REPLACEMENT TANK

THE LONG RANGER

THE BIG TANK FOR A BIG COUNTRY

MADE IN AUSTRALIA

TR60D – 129 L Isuzu Based 4WD

TR60DA– 120 L Isuzu Based 4WD

Suits Rodeo Diesel 2003-2008
Colorado 4WD 2008-2012
D-Max 4WD 2008-2012

GENERAL NOTES

a) Fitting time is approximately three hours. No major vehicle modifications are required. This LONG RANGER tank locates under the vehicle in place of the standard tank.

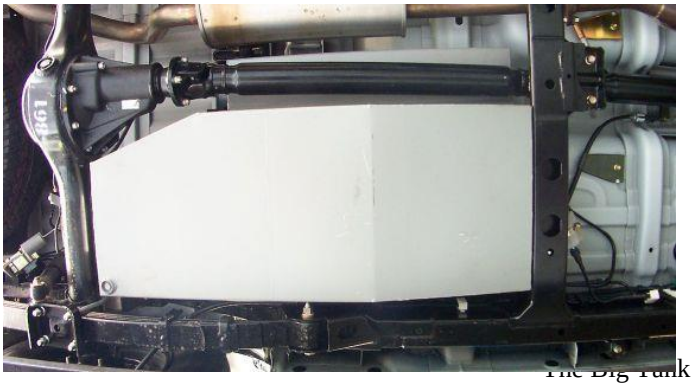
b) A 4 post hoist is not essential but will speed the job up significantly. If using a 2 post you will need to support the rear axle, as when it hangs down to far there is not enough clearance for the tank to fit.

c) The original filler, fuel level sender unit, pick-up unit, are reused in this installation. Extreme care and cleanliness is recommended when handling fuel level sender and submerged fuel pump units. Inspect any components that are to be reused from the original tank installation for serviceability and replace any item found to be defective.

d) Check if the vehicle owner wants to retain the original tank and any associated parts.

e) 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.

Observe safety precautions during the installation of the LONG RANGER fuel tank

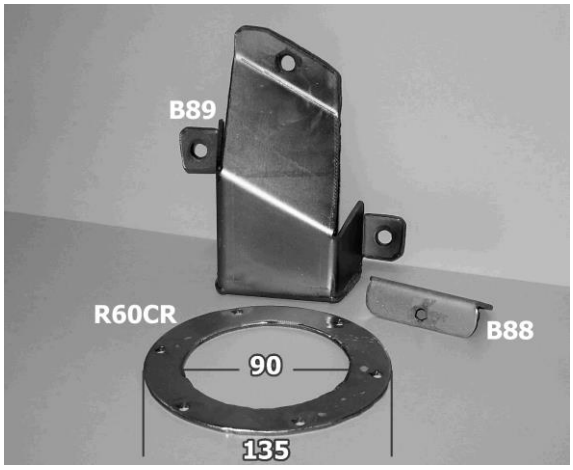




INSTALLATION KIT TR60D

QTY DESCRIPTION This LONG RANGER installation kit has been check by_____

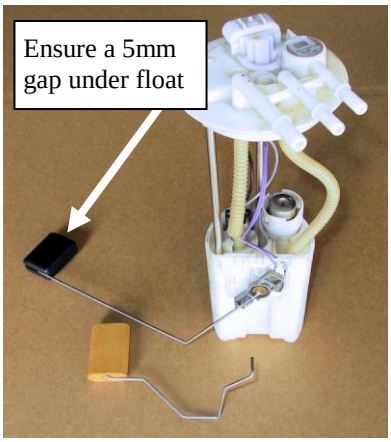
- ❑ 1 LONG RANGER Tank **TR60D or TR60DA**
- ❑ 1 Clamp ring **TR60**
- ❑ 1 Rear RH mounting bracket **B88**
- ❑ 1 Rear LH mounting bracket **B89**
- ❑ 3 **SF02** (M8 x 20mm bolt with tag)
- ❑ 1 Replacement float arm #**FLARTR60**
- ❑ 5 Cable tie 8mm x 30cm
- ❑ 6 Screw M5 x 10mm
- ❑ 3 Bolt M10 X 35mm long
- ❑ 3 Self-locking nuts M8
- ❑ 3 Self-locking nuts M10
- ❑ 3 Flat washers M8
- ❑ 3 Flat washers M10
- ❑ 5 Flat washers 10 x 30 x 2.5mm
- ❑ 4 Hose clamp MH4 for return hose
- ❑ 2 Hose clamp MH6 for pickup hose
- ❑ 1 Hose clamp HS24 for filler
- ❑ 1 Fuel hose 8mm x 600mm for Return
- ❑ 1 Fuel hose 8mm x 900mm for Pickup (RA7 2007 on)
- ❑ 1 Fuel hose 12.5mm x 900mm for pickup (RA)
- ❑ 1 Fitting instructions
- ❑ 1 Warranty information sheet and return card
- ❑ 1 LONG RANGER sticker



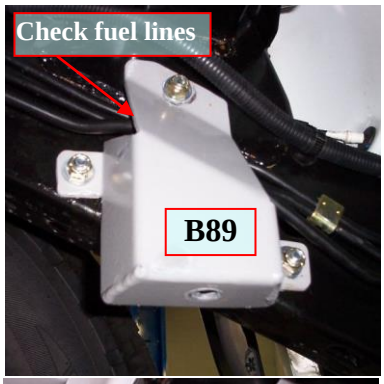
INSTALLATION GUIDE

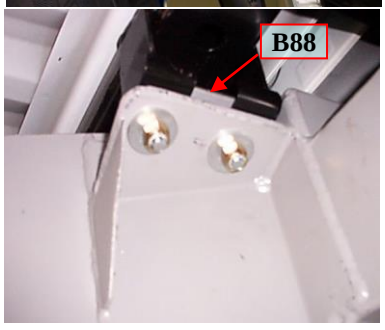
1. Take a few minutes to read through this installation guide before proceeding.
2. Check that all items listed in the LONG RANGER kit have been received, and that nothing has been damaged in transit.
3. Although the LONG RANGER tank has been cleaned and sealed at the factory, it is recommended that 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 for advice phone (02) 4953 3288, fax (02) 4953 1916, email fitting@thelongranger.com.au or visit www.thelongranger.com.au
5. Remove filler cap (these are prone to breaking when the filler hose is being moved).
6. Disconnect filler and breather hoses from tank.
7. Drain fuel from tank (observe recognised safety procedures).
8. Disconnect pickup and return lines from steel pipes on chassis (press and release). Note: These need to be marked for re –fitment (see our web site for TR60 FAQ).

9. Disconnect centre bearing and rear end of rear drive shaft from differential, mark for future realignment and remove.
10. Support tank and remove tank straps.
11. Remove tank, while lowering be sure to disconnect the wiring harness from tank.
12. ***WARNING:*** *Cleanliness and care in handling the fuel pickup unit is essential. Contamination or rough handling may damage the unit. Clean the top of the unit and surrounds thoroughly and remove from original fuel tank.* ***IMPORTANT:*** *Carefully inspect for damage or contamination and clean or replace if required (report any fuel contamination observed to the vehicle owner).*
13. Refer to Photo: Carefully unclip the float arm and replace with the new longer one supplied. ***Note:*** *Sit pickup unit in flat surface and check float is 5 mm from bottom.*
14. Carefully fit the pickup unit using the original O-ring, screws and clamp ring supplied. **NOTE:** The unit can only be fitted in one orientation, ensure the float does not foul on internal baffling.
15. Remove strip clip fittings from hose ends and refit to new 5/16 and ½ inch hoses with hose clamps supplied. Cutting the hard plastic hose away from the fittings best does this.
16. Refer to photo: Fit the B89 support bracket to the rear left mounting point. Fit mounting bolt into existing hole, drill three remainder holes, fit SF02, washers and nylocs supplied. **NOTE:** ensure mounting hole lines up and fuel lines will not chafe on bracket.
17. Near the eyebolt bend the hand brake bracket closer to chassis.
18. Lift the Long Ranger tank into position, this is best done by partially lifting the rear up over the diff then lift the front up so the bracket is on top of the chassis, loosely fit the rear LH bolt with the washer supplied. *Note: If you lift the back to high, the tank wont fit. Note: if you are using two post hoist the axle housing will need to be raised.*
19. Loosely fit the two front bolts(1 x O/E and 1 x 3/8 x 11/4 inch) and check for clearance all round.
20. Place the B88 support bracket inside the rear RH mount, clamp and drill two 3/8 clearance holes. Fit the 3/8 x 11/4 inch bolts, washers and nylocs. Tighten all mounting bolts.



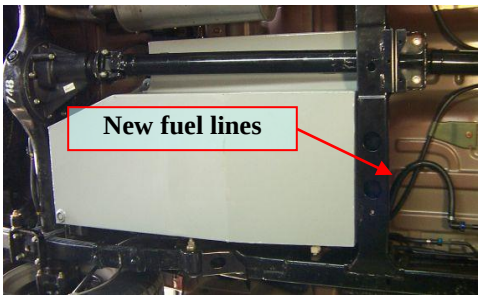






21. Refit drive shaft and centre bearing, tighten all bolts.

22. Connect the wiring and plumbing to the pickup unit. Using cable tie, secure hoses at front of tank so they are not dangling down.



23. Re-fit filler (with new HS24 clamp) and breather trimming to suit. *IMPORTANT: Ensure there are no low points in the fast-fill breather where fuel can lie. Liquid trapped in breather hoses may cause slow filling.*

24. Check that all bolts and hose clamps are tensioned correctly.

25. Transfer the fuel removed earlier to the new LONG RANGER tank and fit cap.

26. We suggest that the tank is filled with a test load of fuel, test drive vehicle and inspect all fittings for leaks (not included in the quoted price).

27. Visually check the job over, make sure all bolts and clamps are fastened correctly, ensure all fuel hoses and electrical wiring 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 cautiously interpreted until familiar with the new readings.
c) 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.
d) The vehicle manufacturer selected springs without accounting for a bigger fuel tank. Several suspension modification options are available.
e) 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 fuel filter, check 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.