

INSTALLATION INSTRUCTIONS FOR A  
AUXILIARY TANK



# LONGRANGER

MADE IN AUSTRALIA SINCE 1976

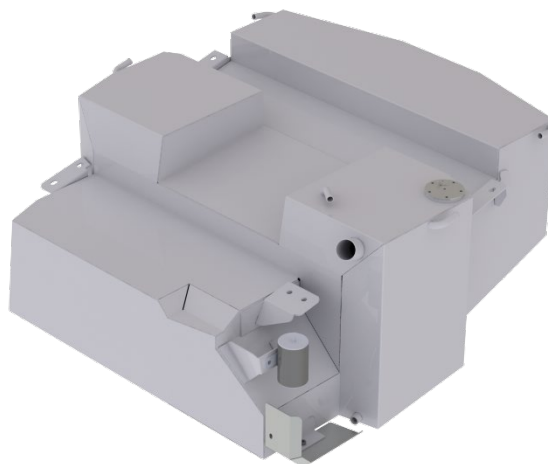
*The Big Tank for a Big Country!*



## **FORD Ranger SUPERDUTY 2025 – Current** **TA99– 155-Litre AUXILIARY Tank**

### **GENERAL NOTES**

- a) 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.
- c) This LONGRANGER tank locates under the rear of the vehicle, above the spare wheel.
- d) **LONGRANGER** tanks are coated with a high-performance primer. For added protection, a topcoat may be added. If the vehicle has been rust proofed, it is suggested that the tank (and any changes made to the vehicle during fitting) be touched up after installation.
- e) This setup is designed as an auxiliary tank with a 12v transfer pump and built in timer module.



# INSTALLATION KIT TA99

**QTY DESCRIPTION** This **LONGRANGER** installation kit has been checked by \_\_\_\_\_

- 1 **LONGRANGER TANK #TA99**
- 1 Double M10 Tag Nut Plate **#TA99B1**
- 1 Fabricated Filler Neck T-Piece **#TA99FNI**
- 1 Plastic Moulded Switch Panel **#TA99SWP**
- 1 Drain Point and Pump Guard **#TA99B2**
- 3 M10 U-Bolt **#FAUBOLTA99**
- 5 M4 x 10mm Set Screws ZP (Sender unit)
- 2 M5 x 20mm Set Screws ZP (Fuel Pump)
- 2 M5 Flat Washers ZP (Fuel Pump)
- 2 M6 x 16mm Button Head Bolt ZP (Guard)
- 2 M6 x 12.5mm Flat Washer ZP (Guard)
- 2 M6 Spring Washer ZP (Guard)
- 2 M10 x 35mm Hex Head Bolt ZP
- 8 M10 x 30 x 2.5mm Flat Washer ZP
- 2 M10 Spring Washer ZP
- 6 M10 Nyloc Nut ZP
- 10 Cable Tie 300mm
- 1 Fuel Level Sender Unit **#ELSETLR2-90TA99 (Factory Modified)**
- 1 Fuel Transfer Pump **#ELFUPUI2V05 (#FP020)**
- 1 Fuel Filter **#Z14**
- 1 Switch/Guage Timer Module W/ Wiring Loom **#TA99LELSWGA405-E**
- 1 Switch/Guage LED 24mm Round **#ELSWGTIMERI2V01B**
- 1 Electrical PTO unit **#ELPWRQTMICRO2 – 54415-10**
- 1 5-amp micro fuse **#ACX1660**
- 1 10mm Double Flanged Cable Grommet **#05616646**
- 2 Plastic T-Piece 1/2" x 1/2" **#PLTEI2MM**
- 1 Brass Fitting 1/4" BSP x 8mm Straight **#BFP60404**
- 1 Brass Fitting 1/4" BSP x 8mm Elbow **#BFP60504**
- 4 MH4 Hose Clamp
- 12 MH6 Hose Clamp
- 1 MH20 Hose Clamp
- 5 MH24 Hose Clamp
- 1 Fuel Hose 8mm x 600mm (Drain to Filter)
- 1 Fuel Hose 8mm x 300mm (Filter to pump Inlet)
- 1 Fuel Hose 8mm x 1200mm (Pump Outlet to Filler Neck)
- 2 Fuel Hose 13mm x 100mm (Link Breather)
- 2 Fuel Hose 13mm x 400mm (Link Breather)
- 1 Fuel Hose 13mm x 800mm (Link Breather)
- 1 Fuel Hose 13mm x 1900mm (Fast Fill Breather)
- 1 Fuel Hose 38mm x 90mm (Filler Neck Joiner)
- 1 Fuel Hose 38mm x 850mm (Auxiliary tank filler)
- 1 Warranty information sheet and return card
- 1 **LONGRANGER** sticker
- 1 **LONGRANGER** replacement tank fitting guide

## 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 without delay for advice phone (02) 4953 3288, or email [sales@thelongranger.com.au](mailto:sales@thelongranger.com.au)  
Our web page also contains an FAQ , so some of your questions may already be answered.
5. The main fuel tank is required to be lowered from the vehicle to change out the filler neck.  
***NOTE: if there is sufficient access to the OE fuel filler, lowering of the OE tank may not be necessary.***

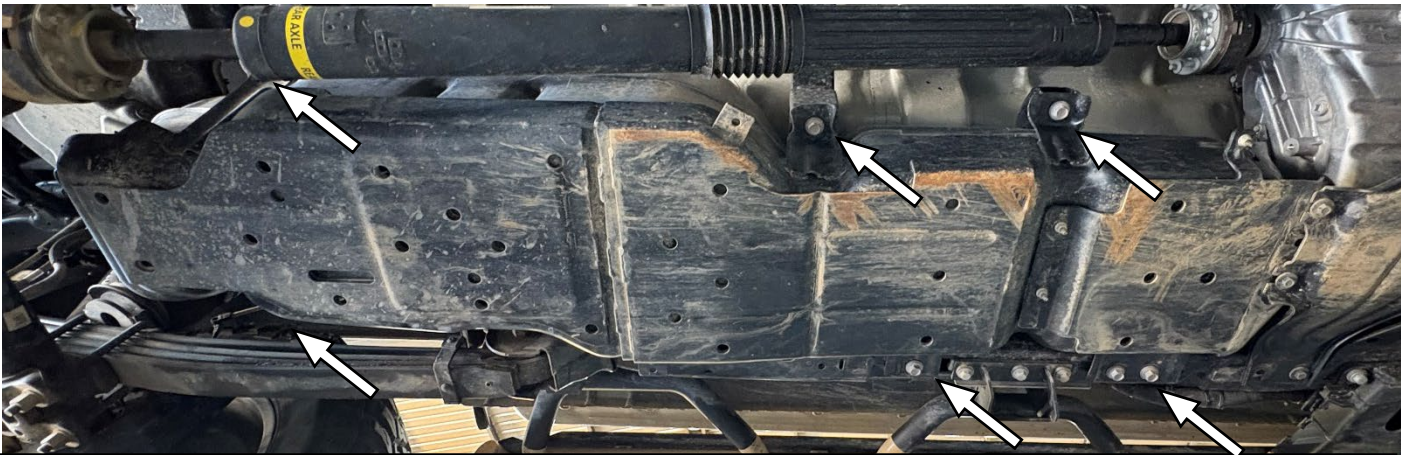


Photo 2: Remove OE Fuel Tank

6. **Refer to Photo 2:** Support the OE fuel tank from underneath and remove all OE fuel tank and OE bash guard mounting bolts. NOTE: the fuel tank and bash guard are removed as one unit.

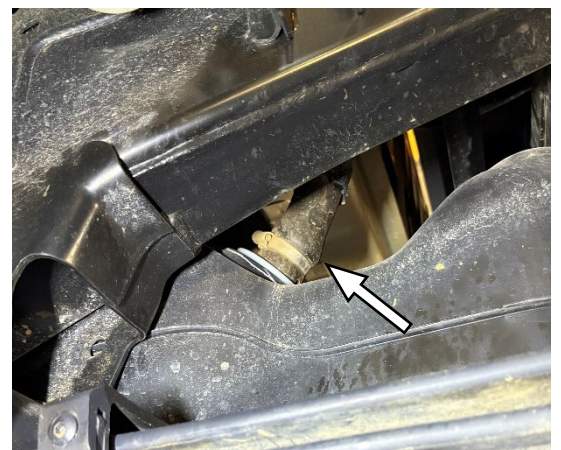


Photo 3: Disconnect OE Filler Hose

7. Lower the fuel tank roughly 100 – 200mm to gain access to the OE fuel filler connection.
8. **Refer to photo 3:** Remove the OE filler hose via access through the left rear wheel area to disconnect from the OE fuel tank and OE filler neck.
9. **As per Photo 4:** Install the Supplied 38 x 90mm Filler Hose to the OE fuel tank.
10. **As per photo 5:** Install the Brass 1/4" BSP x 8mm Barb fitting into the supplied filler neck section and connect the 8.00mm x 1200 hose.
11. **As per Photo 6:** Install the Supplied steel filler neck to the OE tank using the Supplied 38 x 90mm filler hose and hose clamps supplied.
12. Raise the fuel tank back into the final seating position and refit all mounting hardware.
13. **As per Photo 7:** Cut the OE Filler Hose.
14. install the previous cut section of the OE filler hose ***in the reversed orientation to standard*** to the OE filler neck and side entry point on the steel filler neck
15. **As per Photo 8:** install the supplied 38 x 850mm filler hose to the rear section of the steel filler neck and route along between the chassis rail and adblue tank towards the rear spare wheel area.



Photo 4: Install Filler Hose



Photo 5: Install Brass Fitting



Photo 6: Install Steel Filler Neck

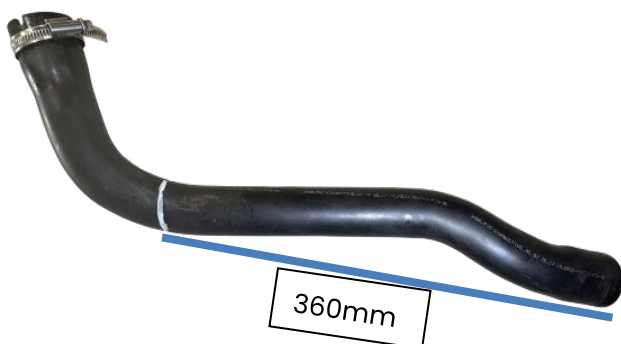


Photo 7: Cut Filler Hose



Photo 8: Connect the filler hose

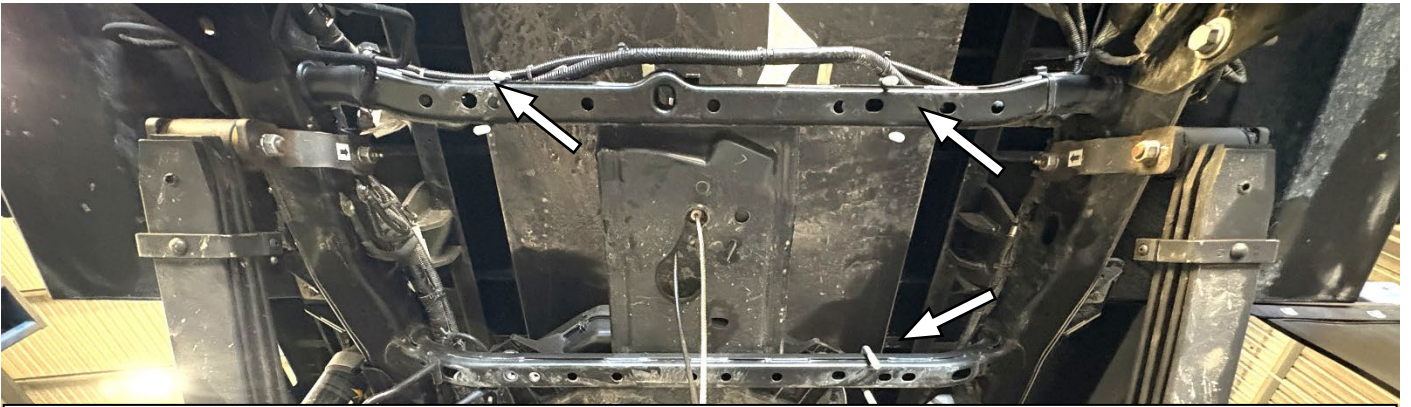


Photo 9: Prep Auxiliary tank area

### Moving onto the auxiliary fuel tank.

16. Remove the Spare Wheel and Spare wheel which from the vehicle.
17. **As per Photo 9:** place 3x U-Bolts over the chassis crossmembers in preparation for installation.
18. **As per Photo 10:** Remove the rear left-hand side Adblue tank mounting bolt and slide the supplied twin M10 tag nut plate into the cross member.
19. Refit the Adblue tank mounting bolt.
20. **As per Photo 11:** Install the Supplied Sender Unit in the top of the tank using the M5 screws and gasket supplied.
21. **As per Photo 12:** Install The 1/4" BSP x 8mm barb fitting to the fuel tank outlet.
22. **As per Photo 12:** Install the Fuel Transfer Pump using the M5 screws supplied with the inlet facing upward.
23. **Refer to Plumbing Diagram:** Install the two 12 x 100mm hoses to the front 90-degree breather pipes and the two 12 x 300mm hoses to the rear 90-degree breather pipes.
24. **Refer to Plumbing Diagram:** Install the 2x supplied breather T-pieces with the central barb facing towards each other.
25. Lift the LONGRANGER auxiliary fuel tank into position and loosely fit the two M10 x 30mm bolts and spring washers to the tag nut plate in the front left mount to locate the fuel tank.

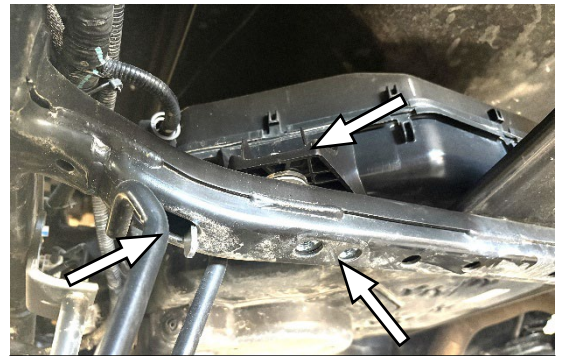


Photo 10: Tag Nut Plate Location



Photo 11: Sender Unit



Photo 12: Transfer Pump

26. Install the three U-bolts to the remain mounting brackets with the M10 nyloc nuts and flat washers supplied.
27. Fasten all mounting hardware to secure the fuel tank into place.
28. **As per Photo 16 and Plumbing Diagram:** Install the 38mm filler hose to the front left corner of the LONGRANGER auxiliary tank and the 12mm Fast Fill Breather and 6mm System Breather to the fitting on the top.
29. Route the 12mm fast fill breather hose and the 6mm System Breather Hose along the filler hose and create a shepards hook style bend beside the OE fast fill breather. *NOTE: there is a valve inside the tank to prevent fuel from entering both these hoses and escaping to atmosphere.*
30. **Refer to Plumbing Diagram:** connect the 12 x 800mm breather hose between the 2x T-pieces to link together.
31. **Refer to Plumbing Diagram and Photo 17 for reference:** Install the 8mm x 600mm fuel transfer hose to the outlet drains on the tank and loop up to the filler neck.
32. Install the Fuel Filter to the end of the transfer hose and connect the 8mm x 300mm fuel hose between the Filter and Inlet of the transfer pump.
33. **As per Photo 17 and Plumbing Diagram:** Install the 8mm x 2000mm fuel transfer hose to the outlet of the fuel pump and loop around back up to the chassis and route along the chassis rail to the 8mm barb location on the steel filler neck.
34. **As per Photo 18:** We have supplied a clip in housing for the transfer switch. *NOTE: we recommend consulting with the vehicles owner if there is any doubt on location of the switch. Please ensure there is clearance behind the panel before drilling NOTE: a 20mm hose is required if using alternate location.*



Photo 16: Hose Connections



Photo 17: Transfer Hose



Photo 18: Supplied Switch Location

35. **As per Photo 19:** Unclip the OE panel located on the driver's side of the centre console area.

36. **As per Photo 20:** Using a Step Drill, drill a clearance hole on the base panel to pass the wiring harness through.

37. Mount the timer module (Black Box) under the lefthand side of the driver side footwell using cable ties or double-sided tape.



Photo 19: Unclip OE Panel

38. **As per Photo 21:** Using the supplied electrical harness, connect the red power wire to an ignition source via using the PTO unit supplied. The recommended connection point is in the bottom left corner of the fuse block found behind the trim panel located on the driver's side of the vehicle.

39. **As per Photo 22:** Connect the black power wire (earth) to the earth stud found behind the right-hand side kick panel.

40. **As per Photo 23:** Drill a hole 10mm hole and install the supplied cable grommet.

41. **As per Photo 23:** Pass the cable through the grommet and route along the chassis across to the left front corner of the LONGRANGER fuel tank.

42. **Refer to the Wiring Diagram:** Connect the wiring to the sender unit and transfer pump using the wiring terminals supplied.



Photo 20: Drill Panel

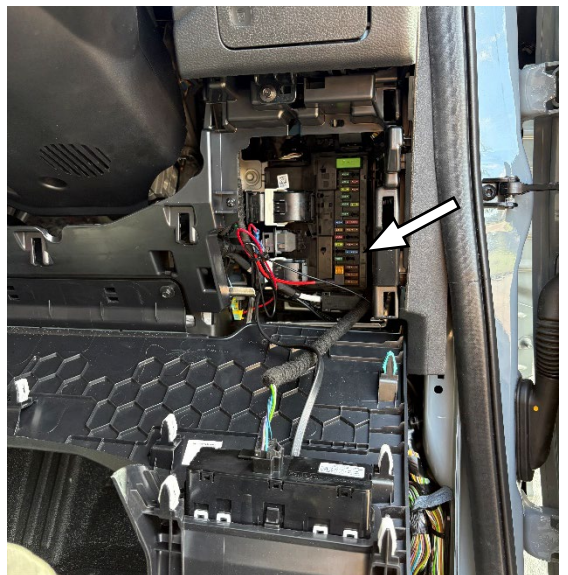


Photo 21: PTO unit location

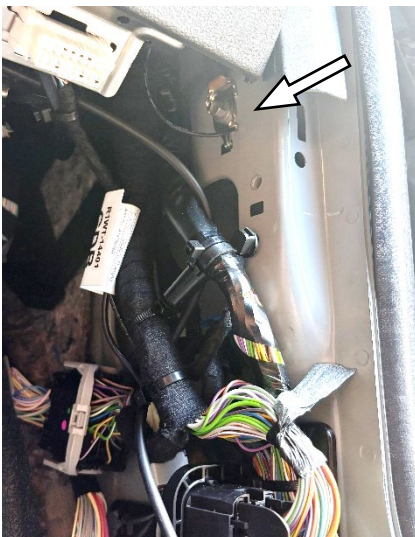


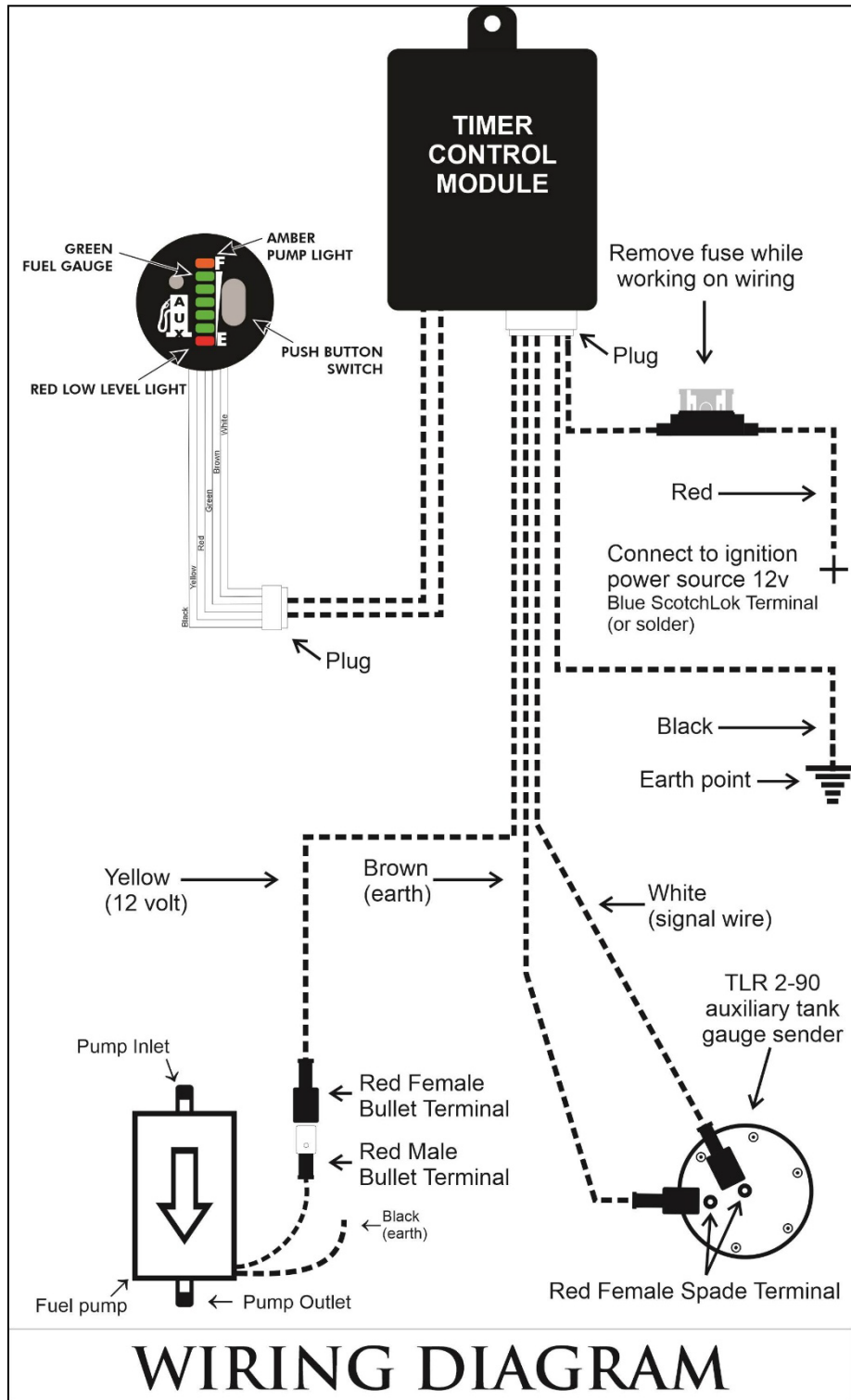
Photo 22: Earth point

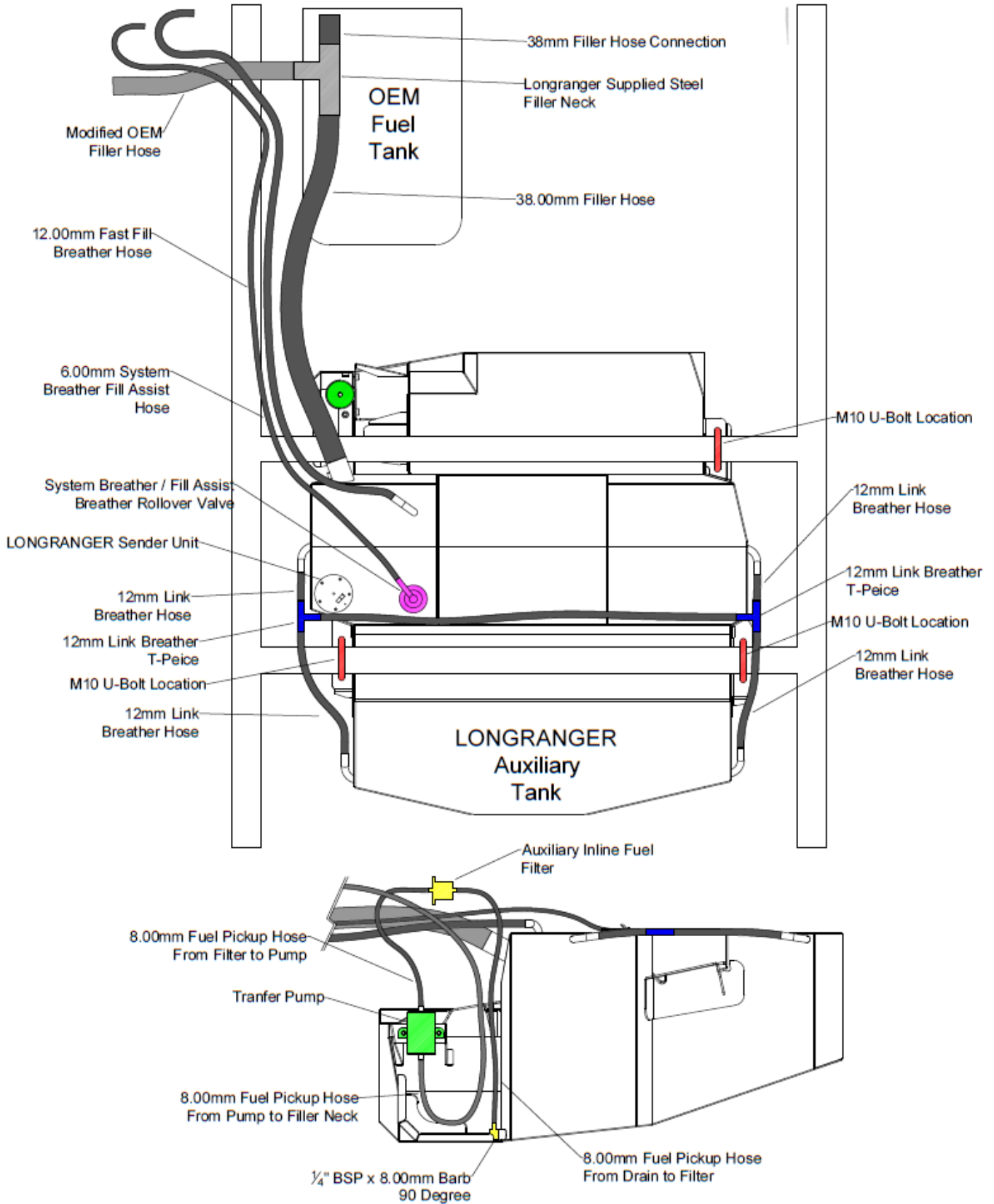


Photo 23: Grommet

NOTE: 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).

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 and moving components, detail the area involved in the work before returning the vehicle.





# Plumbing Diagram