

Brown Davis Automotive Pty. Ltd.
ABN: 72 657 573 544

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**FORD RANGER 2011-PRESENT - ALL MODELS – 145lt REPLACEMENT TANK
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS
PART NUMBER: FRPXR1**

| Item # | Description | Quantity | Part No. | P | C |
|--------|---|----------|----------|---|---|
| 1 | TANK – REPLACEMENT | 1 | FRPXR1 | - | - |
| 2 | DRAIN PLUG- MAGNETIC – M14 (fitted to tank) | 1 | DP-M14 | - | - |
| 3 | HOSE – TMP – 6mm | 0.5m | | | |
| 4 | HOSE – TMP – 12.5mm | 0.5m | | | |
| 5 | HOSE CLAMP – STAINLESS – 12-22mm | 3 | | | |
| 6 | HOSE CLAMP – STAINLESS – 32-50mm | 1 | | | |
| 7 | BRASS – TAIL BARB - ½" × ¼" BSP | 2 | | | |
| 8 | BRASS – ELBOW – 5/8" × 3/8" BSP | 1 | | | |
| 9 | DISCRIMNATOR VALVE | 1 | | | |
| 10 | DISCRIMNATOR VALVE SEAL | 1 | | | |
| 11 | CUSHION CLAMP- 10MM | 2 | | | |
| 12 | CUSHION CLAMP- 13MM | 2 | | | |
| 13 | BOLT – HEX – M10 x 20mm – PLATED 8.8 | 4 | | | |
| 14 | WASHER- FLAT PLATED- M6 | 4 | | | |
| 15 | WASHER – FLAT PLATED M10 | 8 | | | |
| 16 | WASHER – PANEL PLATED – M10 | 2 | | | |
| 17 | NUT- NYLOC PLATED- M6 | 4 | | | |
| 18 | NUT – STANDARD PLATED – M10 | 4 | | | |
| 19 | NUT – NYLOC PLATED – M10 | 4 | | | |
| 20 | TANK BRACKETS- WITH WELD ON M10X30MM BOLT | 2 | TB-FRPX1 | | |
| 21 | BROWN DAVIS AUTOMOTIVE STICKER | 1 | | | |
| 22 | OPPERATIONS AND WARRANTY BOOKLET | | | | |



TB-FRPXR1- REFER TO ITEM 19

| | STAFF MEMBERS INITIALS | DATE |
|----------------|------------------------|------|
| KIT PACKED BY | | |
| KIT CHECKED BY | | |

DATE LAST EDITED: 20/03/2014

Brown Davis Automotive Pty. Ltd.

47 Holloway Drive, Bayswater, Victoria, Australia 3153

Ph: +61 (3) 9762 8722 | Fax: +61 (3) 9762 9829 | Email. info@browndavis.com.au | Web. www.browndavis.com.au

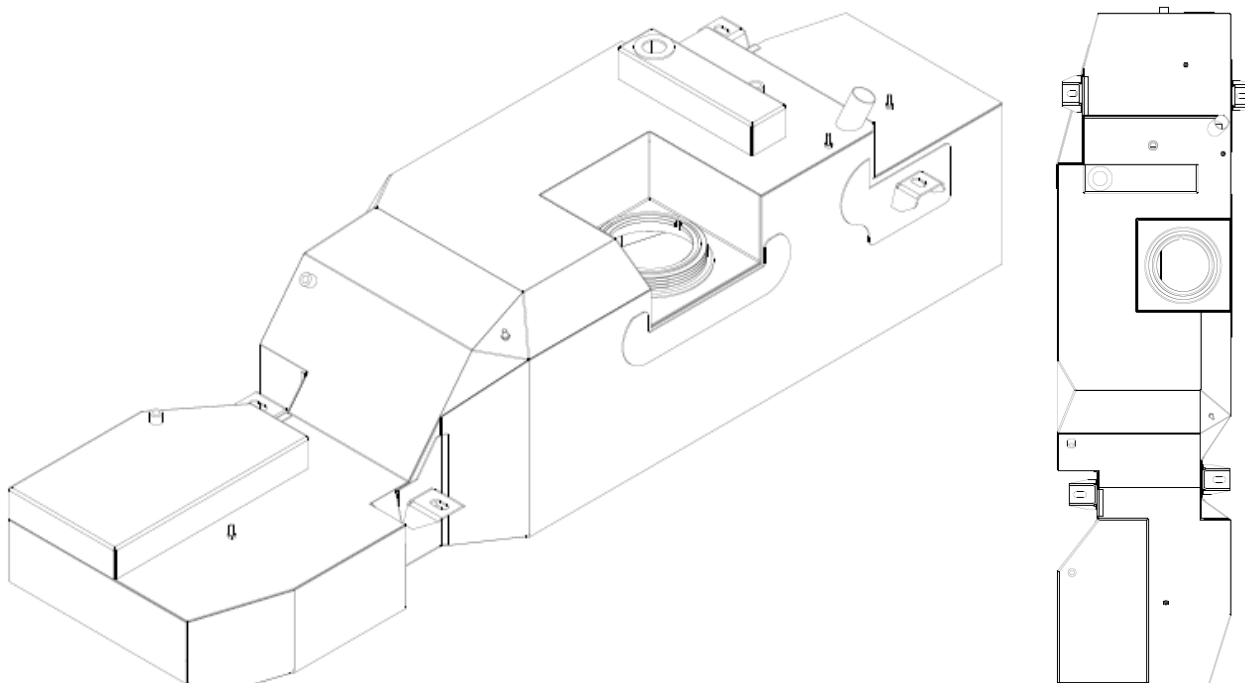
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**FRPXR1 – 145lt REPLACEMENT TANK
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS
PART NUMBER: FRPXR1**



WARNING:

THIS FUEL TANK IS HEAVY. DO NOT ATTEMPT TO LIFT THIS FUEL TANK WITHOUT APPROPRIATE ASSISTANCE OR SERIOUS INJURY MAY RESULT



WARNING:

ENSURE A FIRE EXTINGUISHER IS AVAILABLE WHILST WORKING NEAR EXPOSED FUEL



-CHECK CONTENTS OF KIT BEFORE COMMENCING FITMENT

-DRAIN VEHICLE FUEL TANK TO LOWEST LEVEL POSSIBLE BEFORE COMMENCING FITMENT

-BEFORE INSTALLATION THE BROWN DAVIS LONG RANGE TANK SHOULD BE WASHED OUT WITH THE SAME FUEL TYPE AS THE VEHICLE IT'S BEING FITTED TO

Any questions or information required in relation to the below instructions please do not hesitate to contact Brown Davis head office or one of our distributors.

Phone: +61 (3) 9762 8722

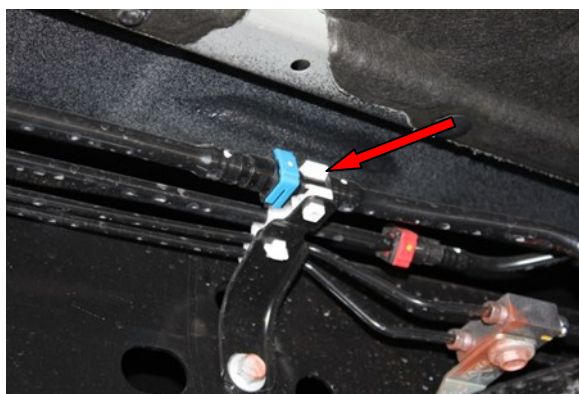
Email: info@browndavis.com.au

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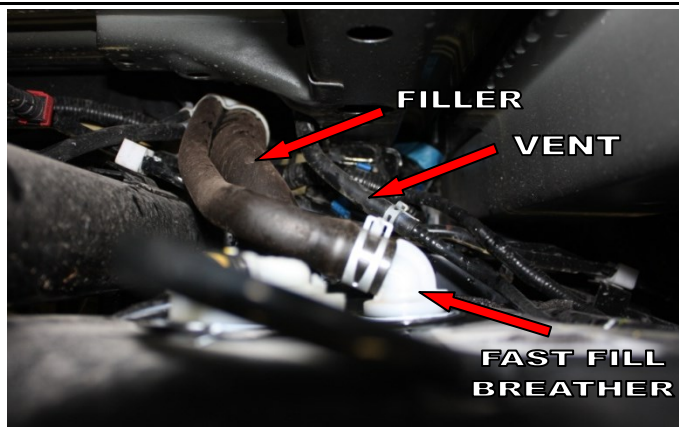
47 Holloway Drive, Bayswater, Victoria, Australia 3153

Ph: +61 (3) 9762 8722 | Fax: +61 (3) 9762 9829 | Email: info@browndavis.com.au | Web: www.browndavis.com.au

1. Remove the standard tank guard, and the fuel pick up line (blue) from the front of the tank.



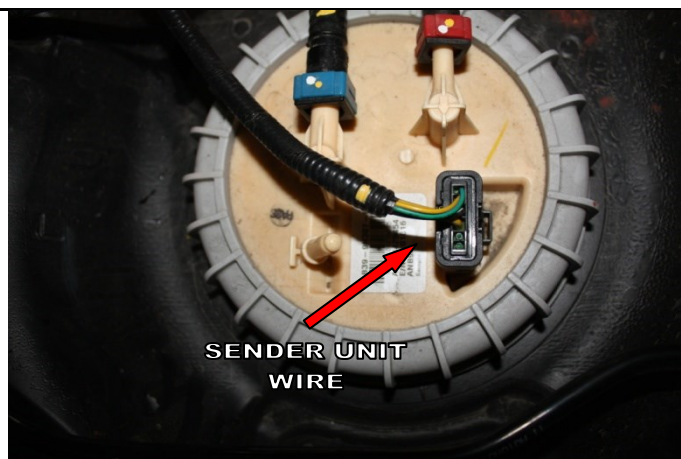
2. Using a lifting device, support the tank and remove the two 13mm bolts and the tank support straps. Lower the tank slowly, exposing the filler hose, fast fill breather and tank vent line at the rear left hand side tank. Undo the clamps on the tank end of all three hoses (filler, fast fill breather and vent hoses) and remove from the tank.



3. Remove the return fuel line (orange) from the bottom of the fuel cooler.

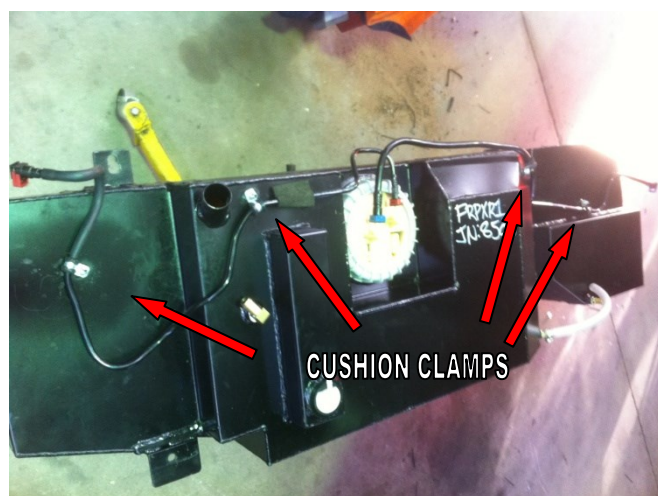
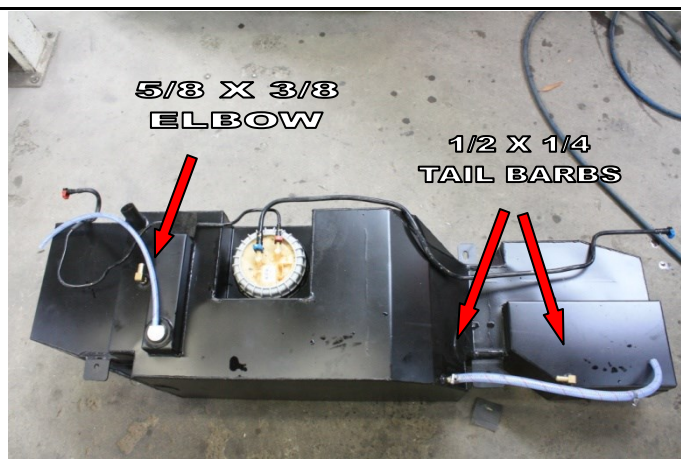


4. Lower the tank down further, removing the sender plug wire, leaving the fuel lines on the tank, then lower the tank all the way out of the vehicle.



5. Remove the standard fuel lines and sender unit from the standard tank. Fit the sender unit and fuel lines into the new Brown Davis long range tank.
- FITTING TIP: Soak screw ring in boiling water for a couple of minutes and then screw it on the tank straight away

6. Fit all brass fittings, discriminator valve, 6mm TMP hose and 12.5mm TMP hose to the new Brown Davis tank (as shown in image 1). Then use cushion clamps provided to hold original fuel lines in place (as shown in image 2).



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7. Fit the tank mounting brackets to the standard tank strap mounting points on the chassis, using the M10 × 20mm bolts with washers and nyloc nuts supplied. Tighten all bolts. (Only one bracket shown in the picture).



8. Use a lifting device to raise the new tank into place. (Whilst lifting the tank, fit the sender wire as shown).



9. Place the breather balance pipe (12mm TMP hose) over the centre cross member (picture A), lift the tank a bit more into place and join each end to the two ½" tail barbs previously fitted in to the new tank.



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10. Reconnect the fuel lines, vent line, filler and fast fill breather into the new tank. Make sure all fittings are tight to prevent any leaks.

(Return line)



(Pick up line)



11. Lift the tank completely into place on the vehicle. Fit the standard bolts and the supplied M10 bolts to support the new tank into position, making sure all bolts are tightened securely.
12. Double check all fuel line clamps and security of fuel lines. Fill tank and check for leaks. Road test and check for rattlers & squeaks. Re-check for fuel leaks.