



LONG RANGE FUEL TANKS

FR07R2

Brown Davis Automotive Pty. Ltd.

ABN: 72 657 573 544

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**FORD RANGER 2007-2011 - EXTRA CAB- 124lt REPLACEMENT TANK
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS
PART NUMBER: FR07R2**

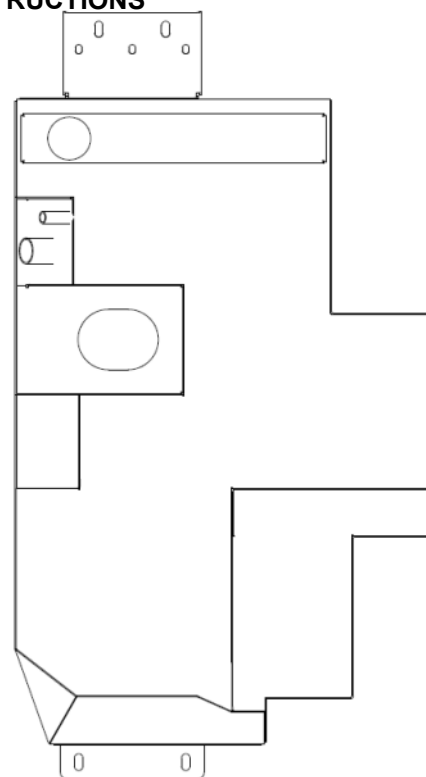
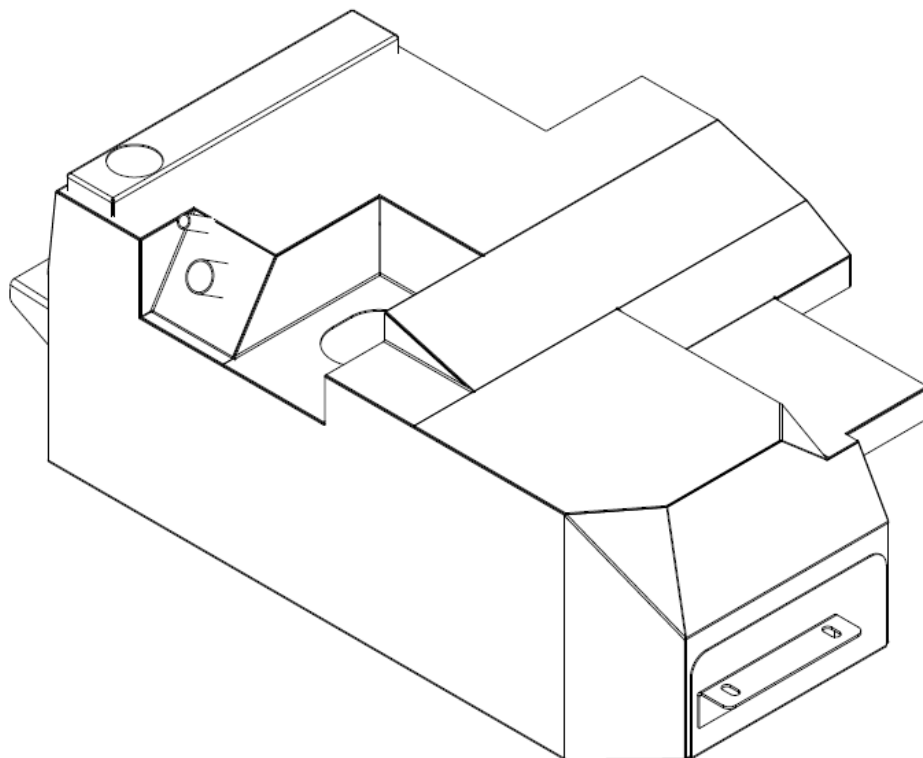
Item #	Description	Quantity	Part No.	P	C
1	TANK—REPLACEMENT	1	FR07R2	-	-
2	DRAIN PLUG—MAGNETIC—M14 (FITTED TO THE TANK)	1	DP-M14	-	-
3	HOSE – FUEL AND EMISSION – 8mm	550mm	HO-FU-3002		
4	HOSE – FUEL AND EMISSION – 8mm	600mm	HO-FU-3002		
5	HOSE CLAMP – STAINLESS - 8-16mm	4	HO-CL-2002		
6	JOINER – NYLON BARBED - 6mm	1	HO-JO-4001		
7	WASHER – PANEL PLATED – M10	4	FA-WA-2412		
8	WARRANTY INFORMATION SHEET	1			
9	BROWN DAVIS AUTOMOTIVE STICKER	1			

	STAFF MEMBERS INITIALS	DATE
KIT PACKED BY		
KIT CHECKED BY		

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**PART NUMBER: FR07R2
124lt REPLACEMENT TANK
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS**



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.

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REMOVAL STANDARD OF STANDARD TANK

<p>1. Mark tail shaft to rear differential flange and gear box end to ensure refitting to original orientation. Remove the tail shaft by unbolting it at the differential flange and gear box ends, Unbolt centre bearing.</p>	
<p>2. Remove exhaust. The exhaust unbolts at the same point as the tail shaft.</p>	
<p>3. Remove the standard tank guard. Remove the filler cap and drain the remaining fuel out of the standard tank.</p>	
<p>4. Remove inner wheel arch guard. Disconnect the rubber fuel filler hose and (16mm) fast fill breather hose from the steel filler neck in the body under the drivers rear wheel arch.</p>	
<p>5. Using an appropriate lifting devise, support the standard tank under the vehicle.</p> <ul style="list-style-type: none"> Unbolt it front and rear. Carefully lower it until you can fit a hand over the top to access the fuel hoses and pump/gauge wiring. Unplug the wiring loom and disconnect the three fuel hoses. (2 from the top of the pump/gauge assembly and 1 vent hose from the body of the tank itself) Lower tank to the ground and remove from under the vehicle. 	

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SETUP OF REPLACEMENT TANK

6. Unclip the 3 support clips on the pump/gauge wiring harness to give more length.
7. Remove the fuel gauge/pump assembly from the standard tank and install it into the new long range tank using the original screws and gasket.
 - Take care not to bend or damage the float arm assembly.



8. Remove one of the vent check valves and fit to top of expansion tank on the new tank.



9. Remove the old fuel pick-up and return hoses from their respective steel lines along the driver's side chassis rail.
 - Use the two cut lengths of 8 mm fuel hose supplied and fit them to the fuel gauge/pump assembly, these hoses will end up connecting to the standard steel fuel lines when the tank is fitted.





10. In order to extend the vent hose enough to reach the standard plastic vent fitting in the chassis join the two original 6mm vent hoses from the top of the standard tank using standard clips and the nylon joiner provided. Attach one end to the vent check valve installed in Step 8.

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INSTALLATION OF REPLACEMENT TANK

<p>11. Using an appropriate lifting device lift the new tank into position.</p> <ul style="list-style-type: none"> Remember to reconnect the wiring to the fuel gauge sender unit. Connect both new fuel hoses to steel lines on chassis rail and the vent hose to its plastic fitting on chassis rail as the tank is lifted into position. <p>⇒ WARNING: Incorrect refitting of hoses to the pump/sender can damage pump unit.</p> <p>⇒ NOTE - Forward most hose fitting on pump/gauge assembly connects to forward most fuel line on chassis.</p>	
<p>12. Use the supplied washers and original nuts to mount the tank to captive studs.</p> <ul style="list-style-type: none"> Tighten bolts and check clearances. 	
<p>13. Refit centre bearing and tail shaft.</p> <ul style="list-style-type: none"> Refit exhaust. 	
<p>14. Connect filler hose and fast fill hose to the filler assembly.</p>	
<p>15. Refit the inner wheel arch guard.</p>	
<p>16. 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.</p>	