



Brown Davis Automotive Pty. Ltd.

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Part No. TL200R1

**TOYOTA LANDCRUISER 200 SERIES – 160lt REPLACEMENT
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS**

Item #	Description	Quantity	Part No.	P	C
1	Long Range Fuel Tank	1	TL200R1	-	-
2	Drain Plug- Magnetic (M14- fitted in tank)	1	DP-M14	-	-
3	HOSE- FUEL AND EMISSION- 6mm	600mm			
4	HOSE – TMP – 16mm	300mm			
5	BRASS- ELBOW- 5/8" X 1/4" BSP	1			
6	BRASS- ELBOW- 5/8" X 3/8" BSP	1			
7	BRASS- TAILBARB- 1/4" X 1/4" BSP	2			
8	PICK UP TUBE- ELBOW – 5/16" X 1/4" BSP	1			
9	WASHER- PANEL PLATED- M8	2			
10	SET SCREW- HEX- M10 X 30mm- ON WIRE- PLATED 8.8	2			
11	BOLT- HEX- M10 X 30mm- PLATED 8.8	4			
12	NUT- STANDARD PLATED- M10	12			
13	WASHER- SHAKEPROOF INTERNAL PLATED- M10	6			
14	WASHER- PANEL PLATED- M10	10			
15	STEEL FUEL SENDER UNIT EXTENSION WIRE	400mm			
16	BLOCK OFF PIPE- 5/16" (REFER PHOTO BELOW)	1			
17	TANK BRACKET- A	1	TB-TL200R1-A		
18	TANK BRACKET- B	1	TB-TL200R1-B		
19	WARRANTY CARD AND INFORMATION SHEET	1			
20	BROWN DAVIS STICKER	1			

	STAFF MEMBERS INITIALS	DATE
KIT PACKED BY		
KIT CHECKED BY		

Brown Davis Automotive Pty. Ltd.

Ph: +61 (3) 9762 8722 Fax: +61 (3) 9762 9829

47 Holloway Drive, Bayswater, Victoria, Australia 3153

Email. info@browndavis.com.au Web. www.browndavis.com.au





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<p>WARNING:</p> <p>THIS FUEL TANK IS HEAVY. DO NOT ATTEMPT TO LIFT THIS FUEL TANK WITHOUT APPROPRIATE ASSISTANCE OR SERIOUS INJURY MAY RESULT</p>	
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<p>WARNING:</p> <p>ENSURE A FIRE EXTINGUISHER IS AVAILABLE WHILE WORKING NEAR EXPOSED FUEL</p>	
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-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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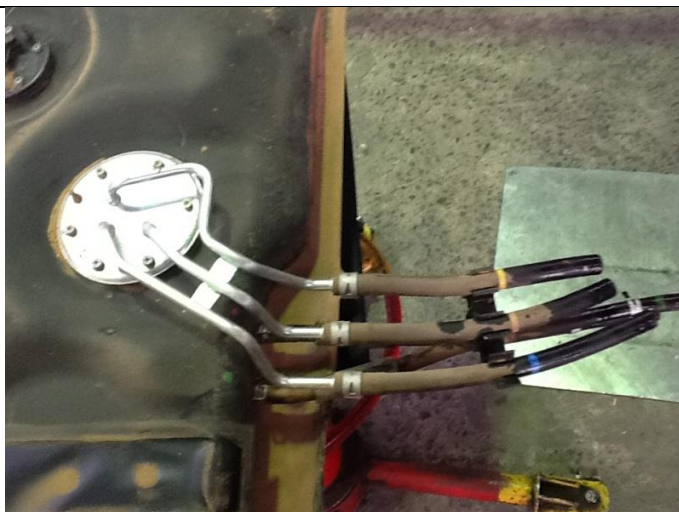
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Step 1.

Remove rear section of exhaust and muffler, along with rear spare wheel and support bracket.

Step 2.

Undo filler, fast fill and all lines entering standard tank. Make sure to keep order of lines, if necessary mark lines as you remove. Fuel gauge wiring will need to also be unplugged.



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<p>Step 3. Undo standard tank straps and lower tank using a suitable lifting device</p>	 A photograph showing a large, dark, rectangular fuel tank being lifted by a red hydraulic jack. The tank is positioned horizontally and has several hoses and wires connected to it. The background is a plain, light-colored surface.
<p>Step 4. once tanks out of vehicle remove sender and pick-up return</p>	 A close-up photograph of a fuel sender assembly. A hand is visible on the left, holding a black hose. Another hand is on the right, holding a silver metal component. The assembly includes a circular sender unit with a black float arm and a silver metal bracket. The background is a dark, metallic surface.

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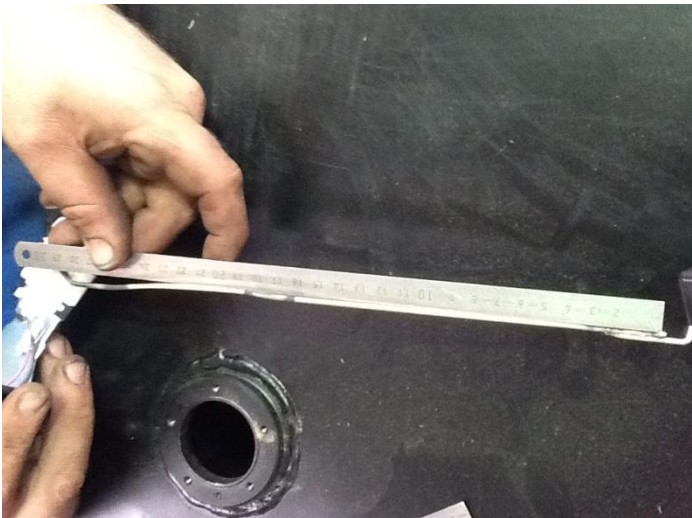


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	 A photograph showing a close-up of a fuel tank's internal float assembly. A metal float arm is connected to a valve mechanism, and a corrugated metal hose is visible in the background.
<p>Step 5. Original sender will need to be extend to suit new long range fuel tank. Steel extension wire supplied to extend float (silver solder / Mig weld). Float is extended 350mm (approx) This should be checked on tank. Float should stop Approx 5-10mm before bottom of tank</p>	 A photograph showing a person's hands using a long, thin metal ruler to measure the extension of a float arm. The float arm is positioned over a circular opening in a dark surface, likely the fuel tank. The ruler is marked in centimeters.

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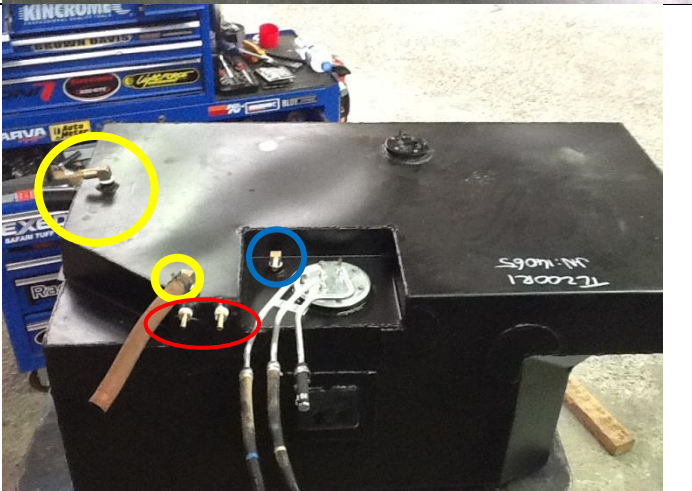


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<p>Step 6. Fit brass fitting to BD long range tank using thread sealant</p> <p>Yellow- fast fill breathers Red- Tank vents Blue- BD supplied pick-up</p> <p>Note: double check BD pick-up length. Bottom should be cut at 45* and just touching bottom</p>	

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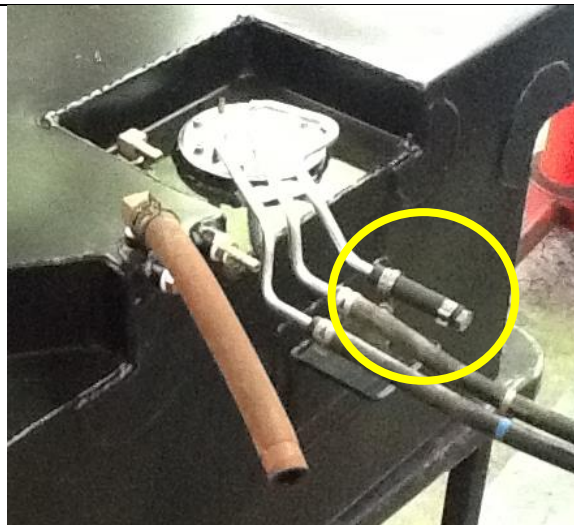
Step 7.

Sender unit and pick-up return along with BD supplied pick-up needs to be installed in BD long range fuel tank. Hose will need to be connect to BD pick-up before lifting into place



Step 8.

Using supplied 5/16" block off pipe block off yellow pick-up in standard unit



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<p>Step 10. Fit tank brackets to chassis of vehicle.</p> <p>Note: Left and right hand side brackets</p>	 The top photograph shows a close-up of a black metal bracket being secured to a dark, possibly painted, metal chassis with a bolt. The bottom photograph shows a wider view of the vehicle's undercarriage, highlighting the installation of a bracket on a horizontal chassis member. A silver metal pipe or hose is visible in the background of the lower image.
<p>Step 11. Tank can now be lifted up into place using a suitable lifting device. Gauge wiring should be plugged in as lifting into position.</p>	
<p>Step 12. Front bracket should be located with vehicle captives. These bolts should be done up finger tight</p>	

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Step 13. Holes for side brackets can now be drilled through tank brackets and supplied BD brackets on chassis.



Step 14.
M10 X 30 bolts can now be used to bolt tank in place.



Step 15.
All tank plumbing can now be reconnected



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Step 16. Re-fit exhaust being sure to check clearance to tank bracket. Some aftermarket exhaust may need to be slightly relocated.



Step 17. Check all hardware is done up tight

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