



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

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**TOYOTA LANDCRUISER 2007-PRESENT - 79 SERIES - UTE AND TRAY | V8 DIESEL
155lt REPLACEMENT TANK
LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS**

Item #	Description	Quantity	Part No.	P	C
1	TANK – REPLACEMENT	1	TL79R3	-	-
2	DRAIN PLUG- MAGNETIC – M14 (fitted to tank)	1	DP-M14	-	-
3	HOSE – FUEL EMISSION – 10mm	1020mm			
4	HOSE – FUEL EMISSION – 12.5mm	1020mm			
5	HOSE – FILLER – 51mm	170mm			
6	HOSE CLAMP – STAINLESS – 8-16mm	2			
7	HOSE CLAMP – STAINLESS – 12-22mm	2			
8	HOSE CLAMP – STAINLESS – 40-60mm	2			
9	BRASS – ELBOW – 3/8" x 1/4" BSP	1			
10	BRASS – TAIL BARB – 5/8" x 3/8" BSP	1			
11	FUEL PICK UP – 1/2" x 1/4" BSP ELBOW	1			
12	SET SCREW – HEX – M8 x 20mm – PLATED 8.8	1			
13	SET SCREW – HEX – M8 x 25mm – PLATED 8.8	2			
14	SET SCREW – HEX – M8 x 30mm – PLATED 8.8	4			
15	WASHER – SPRING PLATED – M8	1			
16	WASHER – FLAT PLATED – M8	7			
17	NUT – NYLOCK PLATED – M8	4			
18	C-CLAMP – EXHAUST – 8mm THREAD – C10 2'1/4"	2			
19	TANK MOUNTING BRACKET	1	TB-TL79R3		
20	BROWN DAVIS AUTOMOTIVE STICKER	1			
21	OPPERATIONS AND WARRANTY BOOKLET	1			

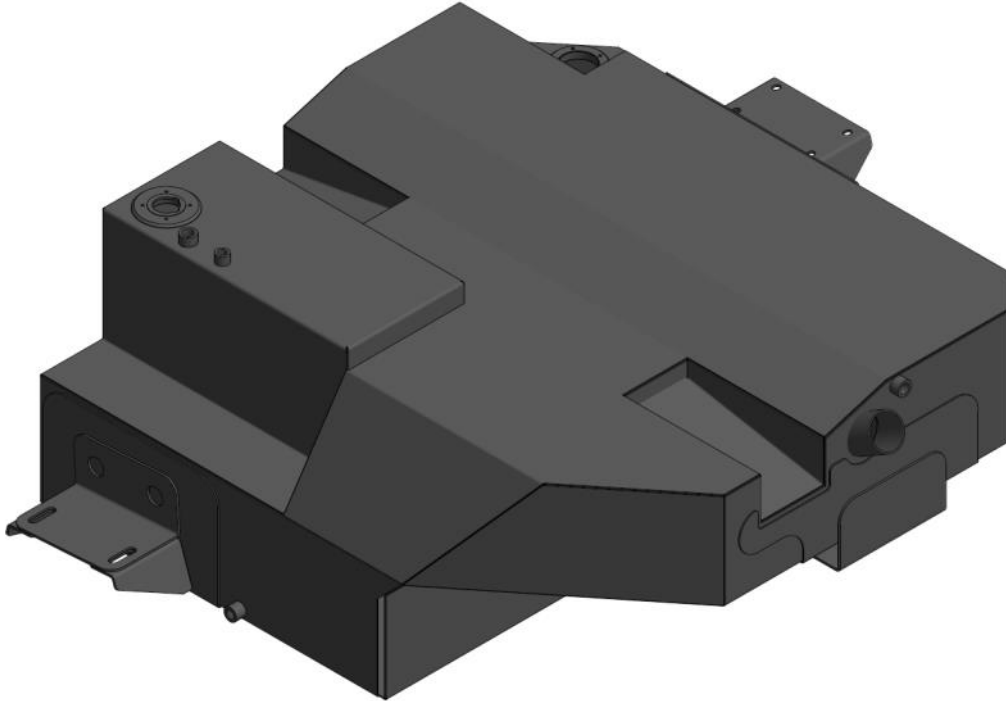
	STAFF MEMBERS INITIALS	DATE
KIT PACKED BY		
KIT CHECKED BY		

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270

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TL79R3 – 155lt REPLACEMENT TANK LONG RANGE FUEL TANK PARTS LIST AND FITTING INSTRUCTIONS PART NUMBER: TL79R3



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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1. Mark tail shaft to both front and rear differential flanges to ensure refitting to original orientation.
 - Remove the tail shaft.
 - Disconnect the fast fill and filler hoses from the filler assembly.
 - Disconnect wiring looms from the standard tank.
 - Disconnect the pick up and return lines from the front of the standard tank.
 - Using a lifting device, remove the standard fuel tank from the vehicle by removing the tank straps.



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2. Remove the standard tank strap brackets from the body.

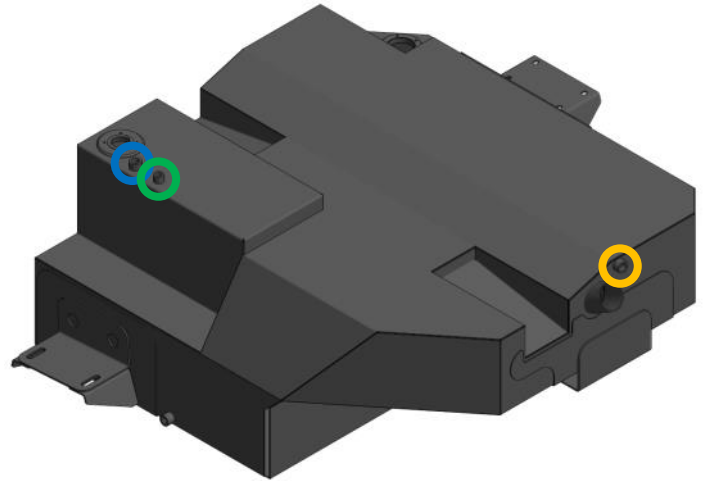


3. Install all brass fittings using thread sealant teflon tape of the likes on the threads to the appropriate sockets.

FUEL PICK UP – 1/2" x 1/4" BSP ELBOW CIRCLED BLUE

BRASS FITTING - ELBOW - 3/8" x 1/4" BSP CIRCLED GREEN

BRASS FITTING - TAILBARB- 5/8" x 3/8" BSP CIRCLED ORANGE



4. Using hose clamps, fit the standard fast fill breather hose to the **BRASS FITTING - TAILBARB- 5/8" x 3/8" BSP**.

- Fit the supplied **HOSE – FILLER – 51mm** to the tanks filler tube.



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5. Remove the sender unit from the standard tank and fit it to the Brown Davis tank.



6. Remove the standard discriminator unit from the standard tank (*circled in photo*). The hard line will need to be cut.
- Disconnect the check valve and rubber hose from the vent system (*refer arrow in photo*).



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7. Connect the check valve and rubber hose to the modified discriminator unit.
 - Fit it to the Brown Davis tank.



8. Fit the **TANK MOUNTING BRACKET** supplied to the captives in the chassis rail.



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9. Using a lifting device, jack the Brown Davis tank into place.
- NOTE: The tank will need to be lifted on an angle to allow the filler and fast fill hoses to be fed over the chassis rail and so the tank can be placed on the **TANK MOUNTING BRACKET**.

10. Use the supplied C-Clamps to fasten the front of the tank to the chassis rail. **Do not use the C-Clamp saddles.**



11. Fasten the rear tank bracket to the captives in the chassis rail.



12. Drill two holes big enough to fit M8 hardware through the TANK MOUNTING BRACKET into the tank bracket off the wing.



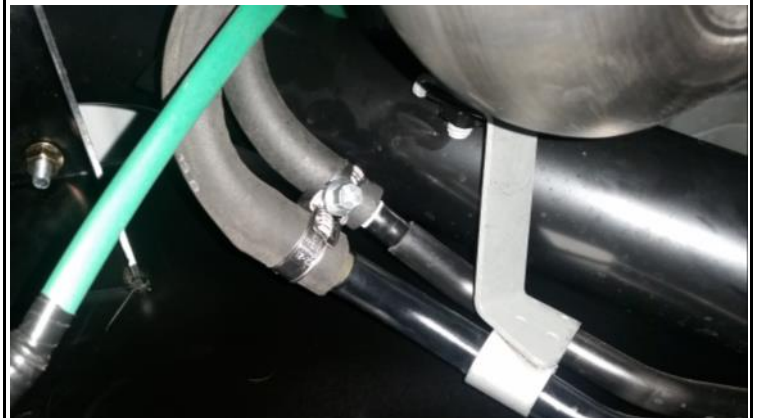
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13. With the gusseting part in place fasten the tank to the TANK MOUNTING BRACKET using the M8 hardware supplied.



14. Connect the pickup and return hoses to the hard lines at the front of the tank using supplied hose clamps.
- Connect the filler tube and the fast fill hose to the filler assembly using supplied hose clamps.



15. Re-plug the sender unit.



16. Re fit the tail shaft



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| 17. Double check all fuel line clamps and security of fuel lines. Fill tank and road test and check for rattlers & squeaks. | |
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