



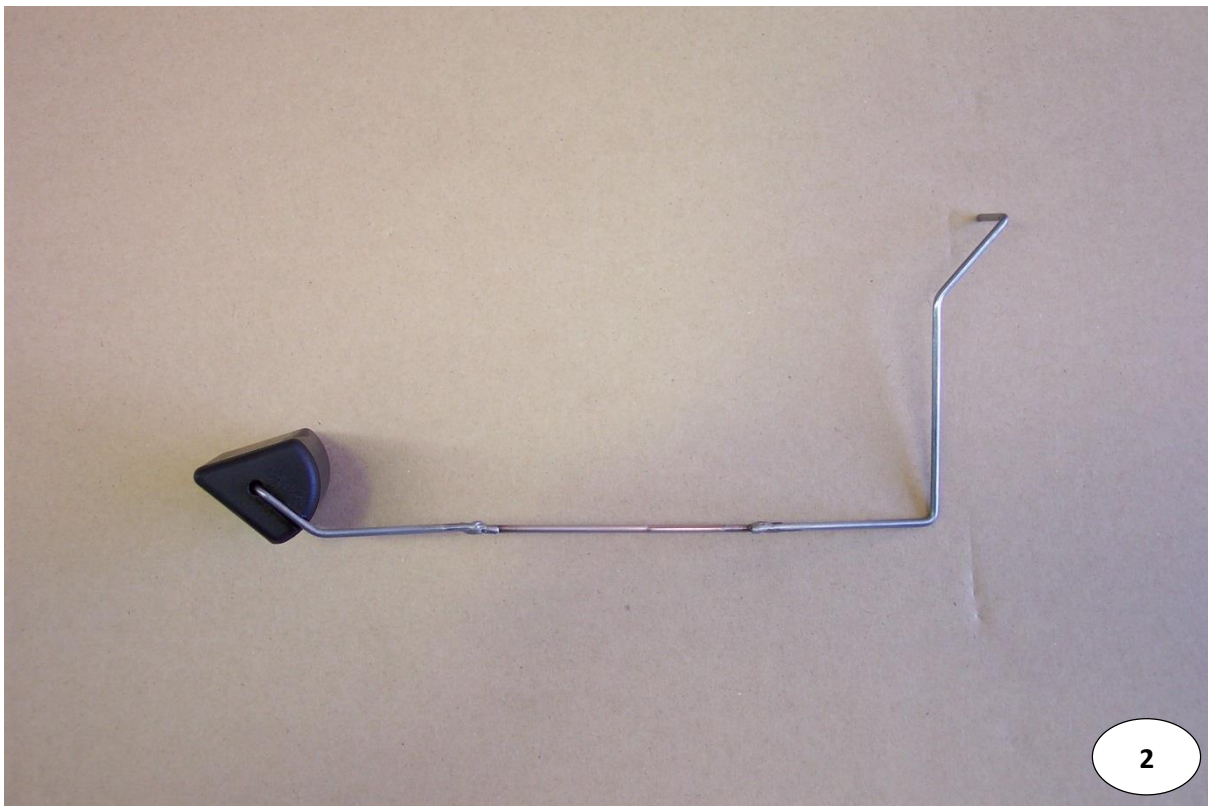
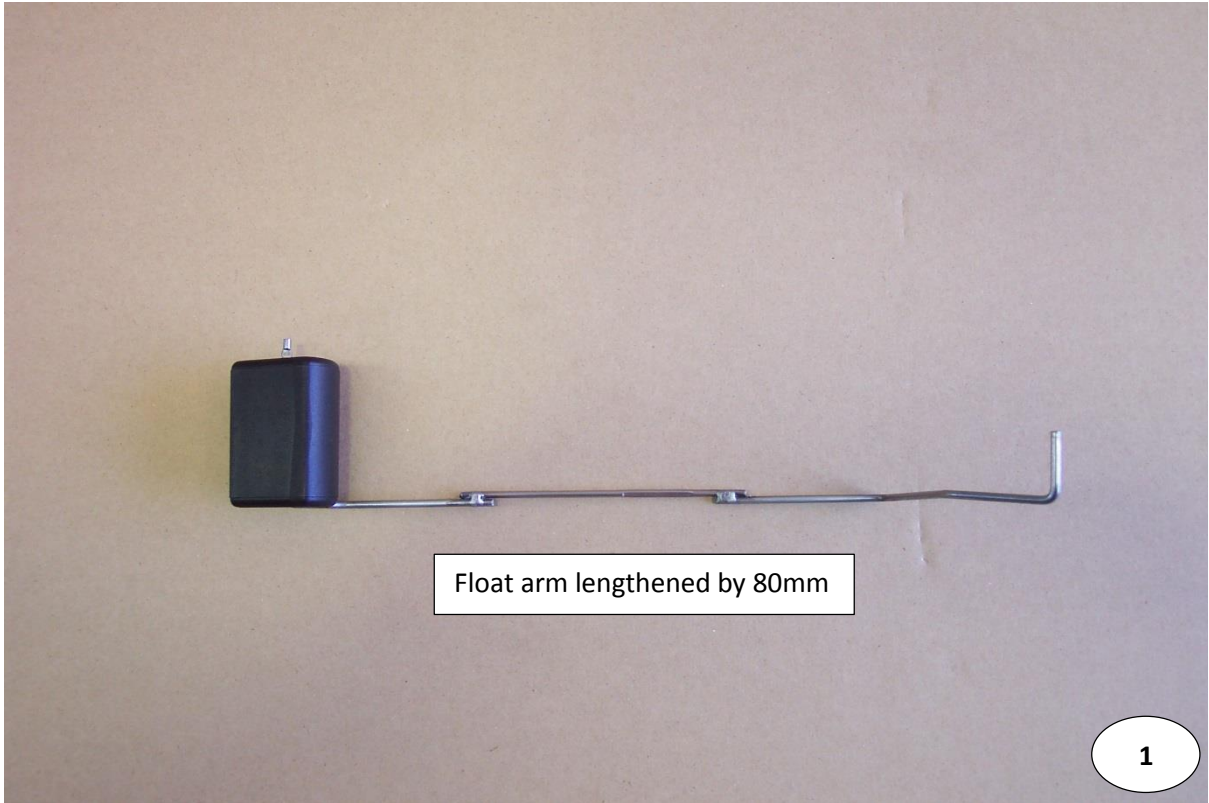
**Installation Instructions for TH150DR  
Toyota HILUX 150 Series  
145lt Replacement Tank**

1. Remove rear section of drive shaft taking care to mark splines for later re-fitment. Remove original fuel tank (you will need to unclip the wiring loom from the tank as you carefully lower the tank down). Unbolt the wiring loom brackets from the rear cross member (1 for standard models & 2 for ABS models). The wiring loom will need to be cable tied to the lines on the chassis rail to keep it clear of the new tank. Use 1100mm length of 10mm conduflex to cover unprotected sections of the wiring loom.
2. Remove the fuel pick up/sender unit assembly from the standard tank. The sender unit float arm will need to be lengthened by 80mm in the horizontal section (the wire in the kit is 100mm long to allow for a 10mm overlap joint on the float arm). You will need to unclip the float arm from the unit for this modification, (**see float arm Pics 1 & 2**). Place pick up/sender unit with modified float arm together with O-Ring into the new tank and secure with new hold down Ring and 6 x M5 Cap Screws and Washers. (Sender unit operates on 110 OHM @ empty and 3 OHM @ full. This can be checked with OHM meter by inverting the tank.)
3. Slide the 400mm length of 16mm conduflex over the fuel pick up and return lines. Fit the Grommet and Roll Over valve to the new tank and use the original hose and purge valve to connect to this valve. Replace the LHR secondary bracket that is bolted to the chassis with the new one from the fitting kit. Screw the 2 x 12mm Elbows into the fittings on the Drive Shaft side of the tank, pointing towards each other.
4. Lift the tank into position carefully feeding the fuel lines over the top of the front cross member. (You will also need to connect the sender unit wires at this point). Check the clearance to the front spring bolt. Secure the LHR with the M12 x 30 Bolt Washers and Nyloc Nut, RHR with M10 x 90mm bolt, large Profile Washer, 58mm Crush Tube and Washer with Nyloc Nut. Secure the front of the tank with M10 x 55 Bolts and large Profile Washers and Nyloc Nuts on top of Cross member.
5. Using the 230mm of 12mm hose, connect the 2 x 12mm Elbows on the RHS of the tank. Cut approx. 50mm from the pickup and return hoses and connect to lines coming

over the front Cross member. Fit the standard fill hose and cut down the fast fill hose and refit to vehicle.

6. Drill a 4mm hole in the underside of the rear Cross member and clip the purge valve to this. For ABS vehicles, the bracket that held the wiring loom to the Cross member can now be fitted to the bolt on the rear of the new tank.
7. Check all clearances of hoses, wiring and tank. Refit drive shaft and fill with fuel.

# TH150DR FLOAT ARM MODIFICATION





## FITTING KIT CONTENTS TH150DR

<b>Brass</b>	<b>Electrical</b>
<ul style="list-style-type: none"> <li>○ 2 x P6 1/2 x 1/4 Elbow</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x 16mm Conduflex @ 400mm</li> <li>○ 1 x 10mm Conduflex @ 1100mm</li> </ul>
<b>Bolts / Nuts</b>	<b>Misc Parts</b>
<ul style="list-style-type: none"> <li>○ 6 x M5 X 8mm Cap Screws</li> <li>○ 6 x M5 X 10mm Washers</li> <li>○ 1 x M6 Nyloc</li> <li>○ 1 x M6 Washer</li> <li>○ 3 x M10 Nyloc Nuts</li> <li>○ 3 x M10 X 25mm Flat Washers</li> <li>○ 2 x M10 X 55mm Bolt</li> <li>○ 1 x M10 X 90mm Bolt</li> <li>○ 1 x M12 Nyloc</li> <li>○ 1 x M12 X 30mm Bolt</li> <li>○ 2 x M12 X 30mm Washer</li> </ul>	<ul style="list-style-type: none"> <li>○ 1 x 16 X 58mm Crush Tube</li> <li>○ 1 x 2.5 Wire @ 100mm</li> <li>○ 1 x Hold Down Ring</li> <li>○ 1 x Secondary Bracket</li> <li>○ 3 x Large Profile Cut Washers</li> <li>○ 1 x Roll Over Valve &amp; Grommet</li> </ul> <p>4 Pages Fitting Instructions Consisting of:</p> <ul style="list-style-type: none"> <li>○ 2 x Pages Fitting Instructions</li> <li>○ 1 x Page Fitting Kit Contents</li> <li>○ 1 x Page Sender Arm Modification</li> </ul>
<b>Hose</b>	<b>Cable Ties</b>
<ul style="list-style-type: none"> <li>○ 1 x 12mm Hose @ 245mm</li> </ul>	<ul style="list-style-type: none"> <li>○ 5 x 7" Ties</li> </ul>
<b>Hose Clamps</b>	
<ul style="list-style-type: none"> <li>○ 1 x 1 1/4" Hose Clamp</li> <li>○ 3 x 1/2" Hose Clamps</li> </ul>	

Kit Packed By \_\_\_\_\_

Checked By \_\_\_\_\_