



Installation Instructions for TH169DR
Toyota HILUX 169 Series EFI
Dual / Extra Cab
110lt Replacement Tank

1. Remove rear section of tail shaft taking care to mark splines for later realignment and fitting. Drain and remove OEM fuel tank.
2. Remove fuel sender unit, record full and empty ohms readings, rework sender float arm as per diagram. NOTE: There are two different float arm modification drawings 97-01 and 01 onwards. Install in tank and test readings for full and empty. Ohms readings should match readings previously recorded.
3. Rework fuel pump cradle, remove pump from cradle, cut cradle at point shown on diagram and ensure return pipe is free of sharp edges and swarf. Using 20 x 3mm flat bar extend cradle length by 110mm (flat bar is 150mm long to allow for 20mm overlap at each end). Extend fuel pump wires using 100mm lengths of wire and shrink tube provided. Refit fuel pump to pump cradle, use 50mm length of 38mm hose as an insulator. (Slide 38mm hose over fuel pump). Join pump and supply tube using 110mm length of bundy tube, 50mm lengths of EFI hose and 4xEFI hose clamps provided. Secure fuel pump to pump cradle using 2x11" Cable Ties. 6mm return tube previously cut can now be joined using 160mm length of 6mm hose and clamps provided.
4. Install reworked fuel pump and cradle assembly into new tank, using M5 x 12 pan head screws and fibre washers supplied (use suitable thread sealer on threads). Carefully bend return tube to form a neat curve that will enable 6mm fuel hose to run in path shown in diagram. Supply tube will need to have nut cut off end, flare end of tube slightly, bend tube so that fuel hose can run as shown (body mounted supply tube will need to be cut directly above tail shaft). Transfer rollover valve from old tank to new one, 6mm tube will need to be cut 250mm from centre of roll over valve flange and tube re-bent slightly to enable it to be fitted into new tank. As shown in diagram, join 6mm hose to tube when installed. Extend fuel pump wires with remaining pieces of wire and shrink tube.
5. Screw brass elbow fitting into tank (for fast fill) and use masking tape to hold hoses temporarily in place as shown. Lift tank into position, bolt in place using new bolts provided, and connect all fuel lines and wires to respective points and **MAKE SURE NONE OF THE FUEL LINES ARE SQUASHED BETWEEN TANK AND BODY/CHASSIS.**
6. Refit drive shaft, fill tank with fuel and check all hoses and fittings for leaks.

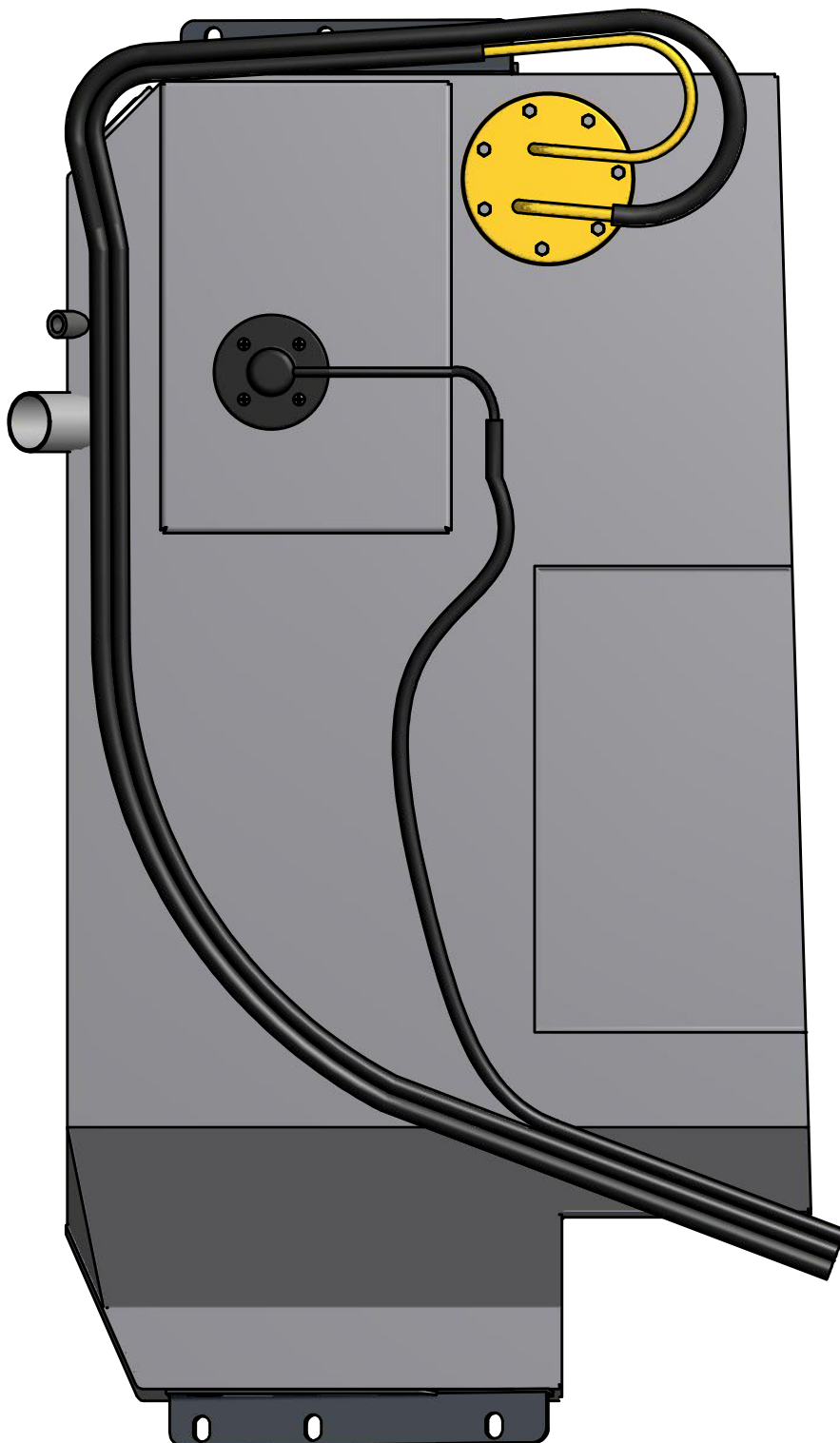


FITTING KIT CONTENTS TH169DR

Brass	Cable Ties
<ul style="list-style-type: none"> ○ 1 x P3 1/2 x 1/4 (12mm straight) 	<ul style="list-style-type: none"> ○ 5 x 7" Cable Ties ○ 2 x 11" Cable Ties
Hose	Misc Parts
<ul style="list-style-type: none"> ○ 1 x 6mm Hose @ 880mm ○ 1 x 6mm Hose @ 1500mm ○ 1 x 6mm Hose @ 160mm ○ 1 x 38mm fuel hose 50mm long (use as fuel pump insulator) ○ 1 x 8mm EFI hose 1650mm long ○ 2 x In tank EFI hose 50mm long ○ 8 x 3mm fuel resistant shrink tube 30mm long 	<ul style="list-style-type: none"> ○ 1 x 20 x 3mm flat bar for extending fuel pump cradle 150mm long ○ 1 x 5/16 bundy tube @ 110mm long ○ 1 x Sender Unit Adaptor Bracket <p>7 Pages Instructions Consisting of:</p> <ul style="list-style-type: none"> ○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 2 x EFI Pump Modification Drawing ○ 1 x EFI Pump Modification Ref Pic ○ 1 x Sender Modification Drawing to suit 97 – 10/01 ○ 1 x Sender Modification Drawing to suit 10/01 - on
Bolts / Nuts	Electrical
<ul style="list-style-type: none"> ○ 6 x M8 x 25 Bolt ○ 6 x M8 x 25 Flat Washer ○ 6 x M8 Springs ○ 2 x M5 x 8mm Pan Head Screws ○ 2 x M5 Nuts ○ 2 x M5 Washers 	<ul style="list-style-type: none"> ○ 1 x 3mm black single core wire 200mm long ○ 1 x 3mm blue single core wire 200mm long ○ 1 x 3mm black single core wire 100mm long ○ 1 x 3mm blue single core wire 100mm long
Hose Clamps	
<ul style="list-style-type: none"> ○ 6 x 1/4" hose clamps ○ 1 x 5/8" hose clamps ○ 6 x EFI hose clamps 	

Kit Packed By _____

Checked By _____



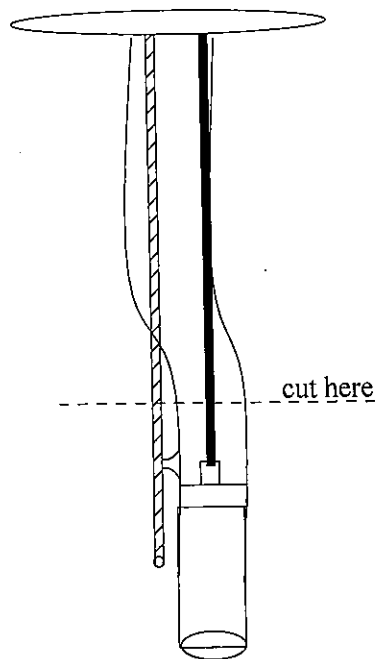
THIS DRAWING REMAINS THE PROPERTY OF
LONG RANGE AUTOMOTIVE AND IS NOT TO BE DUPLICATED
WITHOUT PERMISSION

TH169DR

5/6/2012

Toyota Hilux RZN169
1997-2000 dual cab extra cab
110ltr replacement tank.

Part No TH169D
RZN169EFI DUAL CAB HILUX



EFI Pump Modification Drawing – TH169DR



TH169DR / TH167DR.
float arm Rework.

Pre 10/2001.

measure 50mm from pivot and
bend down 25°

leave this bend untouched.

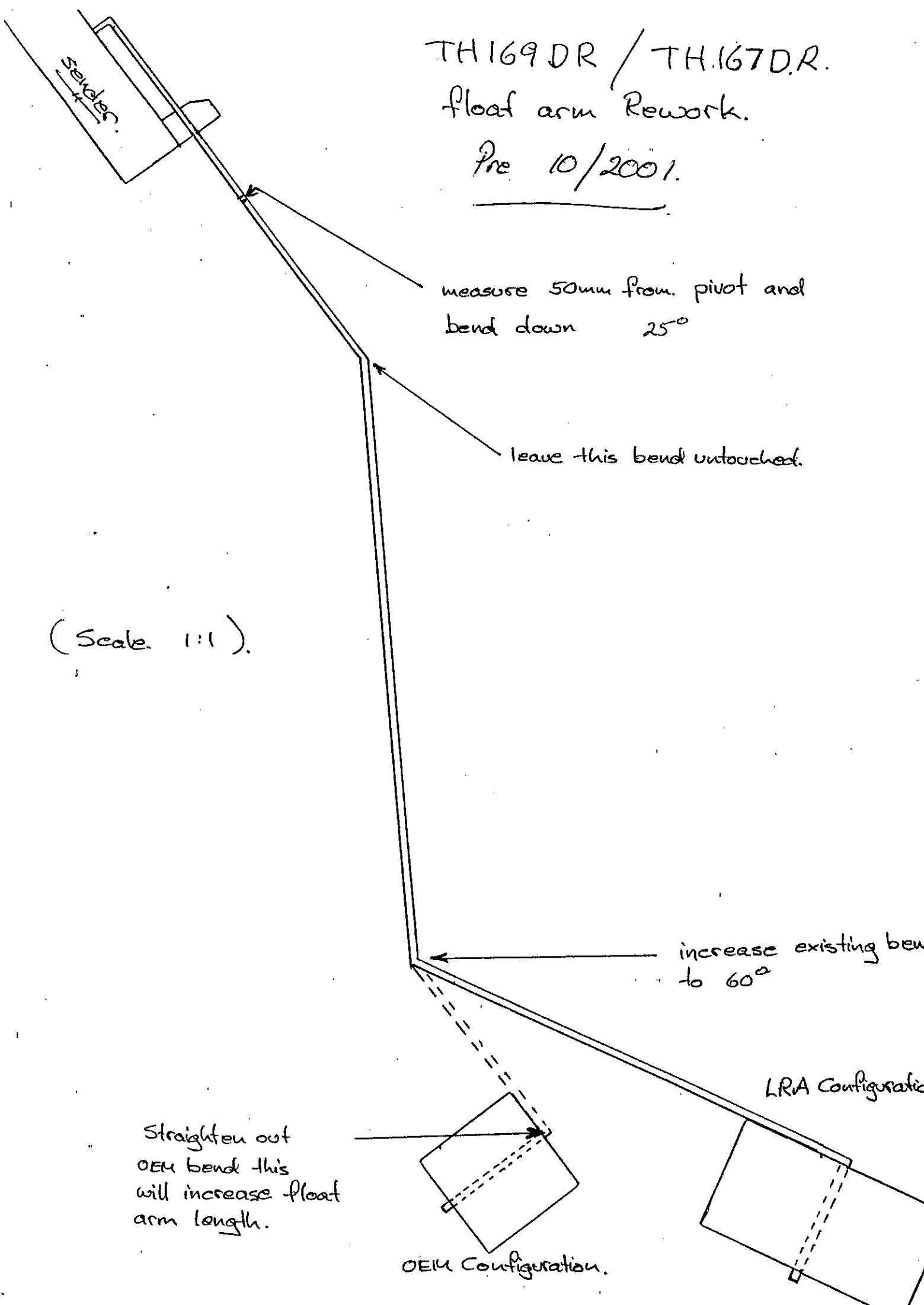
(Scale 1:1).

increase existing bend
to 60°

Straighten out
OEM bend this
will increase float
arm length.

OEM Configuration.

LRA Configuration



Hilus Sender support arm rework.

10/2001 and later.

