



Installation Instructions for TH169SER Toyota Hilux Single Cab EFI 99+ 130L Replacement Tank

This is a replacement tank. It simply replaces the original fuel tank and in doing so, it utilizes the original filling point and tank mounting points. No exhaust modifications are required and the original fuel pump and gauge sender are used, with slight modifications required.

1. Remove bash plate from under the original fuel tank and empty any remaining fuel into containers. Disconnect all fuel lines and wires and mark hoses and lines to prevent crossing return and vent hoses on refit. Disconnect fill and fast fill hoses. Remove tail shaft, mark shaft to enable correct spline alignment on refit. Remove tank from vehicle, remove sender unit, fuel pump and roll-over valve from original fuel tank.
2. Carry out re-work of fuel pump cradle as per diagram, including cutting of steel pick-up and return lines. Re-bend sender unit float arm as per drawing. Before installing sender, check OHMS readings for full and empty. Install sender into new tank and re-check OHMS readings for full and empty by rolling tank. Readings should be the same. Install fuel pump. Install roll-over valve to new tank. Cut steel vent pipe at the first available straight section of tube from the mounting flange and install 6mm hose to this point.
3. Locate the three fuel lines at the point where they cross over the tail shaft, cut the pick-up (pressure) line at this point, this will have removed the short flexible section of fuel line. Now carefully bend all three lines up to almost vertical. Do not kink these pipes. Locate the fuel pump wires at the chassis and extend them using the section of twin core wire and heat shrink tube supplied.
4. Lift tank up into position and secure using bolts and washers supplied. Ensure none of the hoses running along the top of the tank have been squashed between the tank and body. Connect hoses to their correct pipes, connect fill and fast fill hoses, fuel pump and sender wires. Fill tank with fuel and check for leaks.



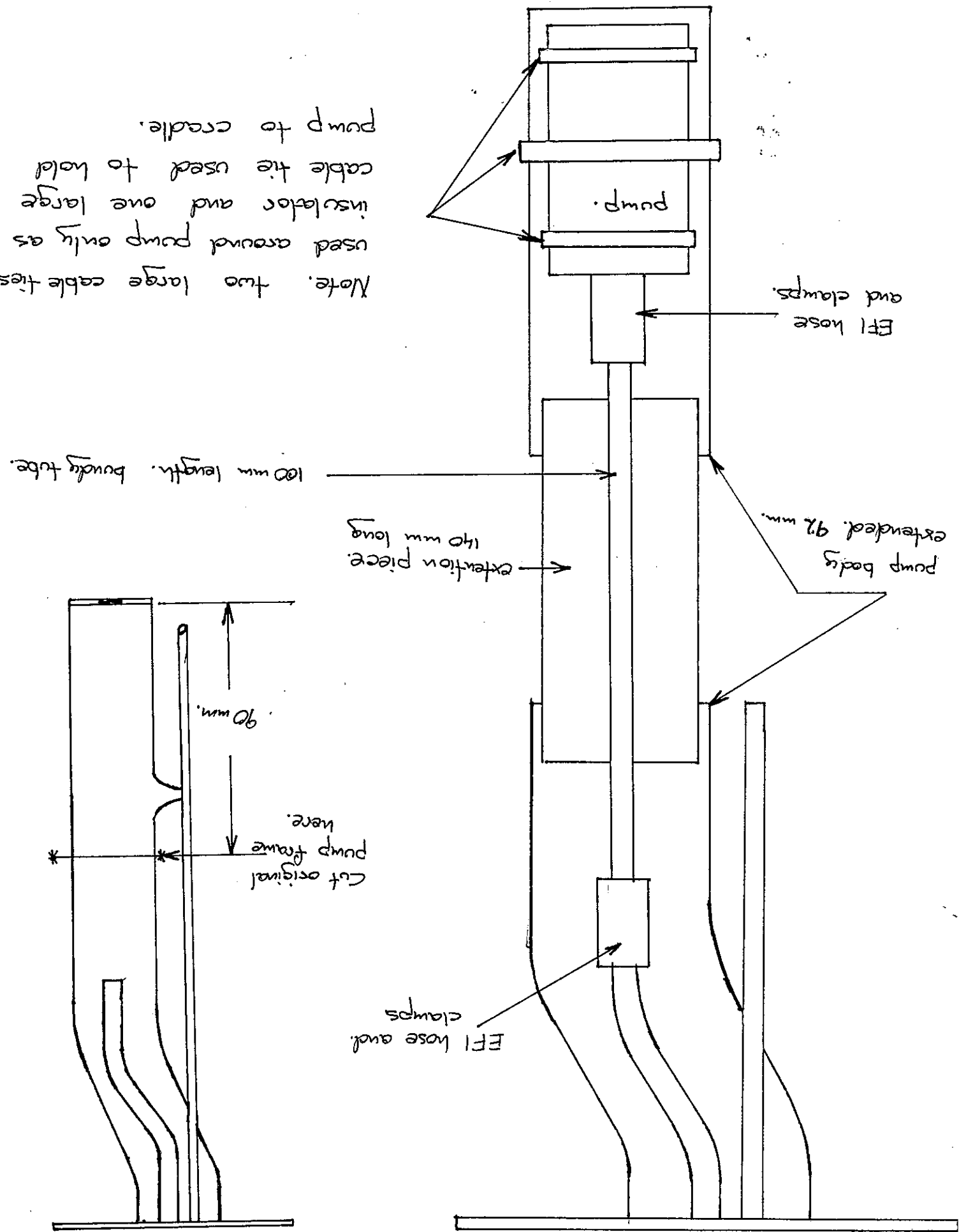
FITTING KIT CONTENTS TH169SER

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1 x P3 1/2 x 1/4 Straight 	<ul style="list-style-type: none"> ○ 1 x 3mm Two Core Wire @ 500mm ○ 1 x 3mm Blue Wire @ 150mm ○ 1 x 3mm Black Wire @ 150mm ○ 4 x Fuel Resistant Heat Shrink @ 25mm ○ 1 x 3mm Heat Shrink @ 100mm
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 6 x M8 x 25 Bolts ○ 6 x M8 Flat Washers ○ 6 x M8 Spring Washers ○ 7 x M5 x 12 Pan Head Screws ○ 7 x M5 Fibre Washers ○ 2 x M5 x 8mm Pan Head Screws ○ 2 x M5 Nuts ○ 2 x M5 Washers 	<ul style="list-style-type: none"> ○ 1 x 5/16 Bundy Tube @ 100mm ○ 2 x 20 x 3 Flat @ 140mm ○ 1 x Sender Unit Adaptor Bracket for Late Model Sender Modification
Hose Clamps:	Cable Ties:
<ul style="list-style-type: none"> ○ 1 x 1/2" Hose Clamp ○ 1 x 1 1/2" Hose Clamp ○ 4 x EFI Hose Clamps 	<ul style="list-style-type: none"> ○ 3 x 7" Cable Ties ○ 3 x 14" Cable Ties
Sender:	Pumps & Filters:
Hose:	6 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 2 x 6mm NTP Hoses @ 1200mm ○ 2 x EFI Hose @ 50mm ○ 1 x EFI Hose @ 1200mm 	<ul style="list-style-type: none"> ○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page EFI Modification Drawing ○ 1 x Page Sender Modification Drawing 97-01 ○ 1 x Page Sender Modification Drawing 01+ ○ 1 x Page Hose Layout Drawing

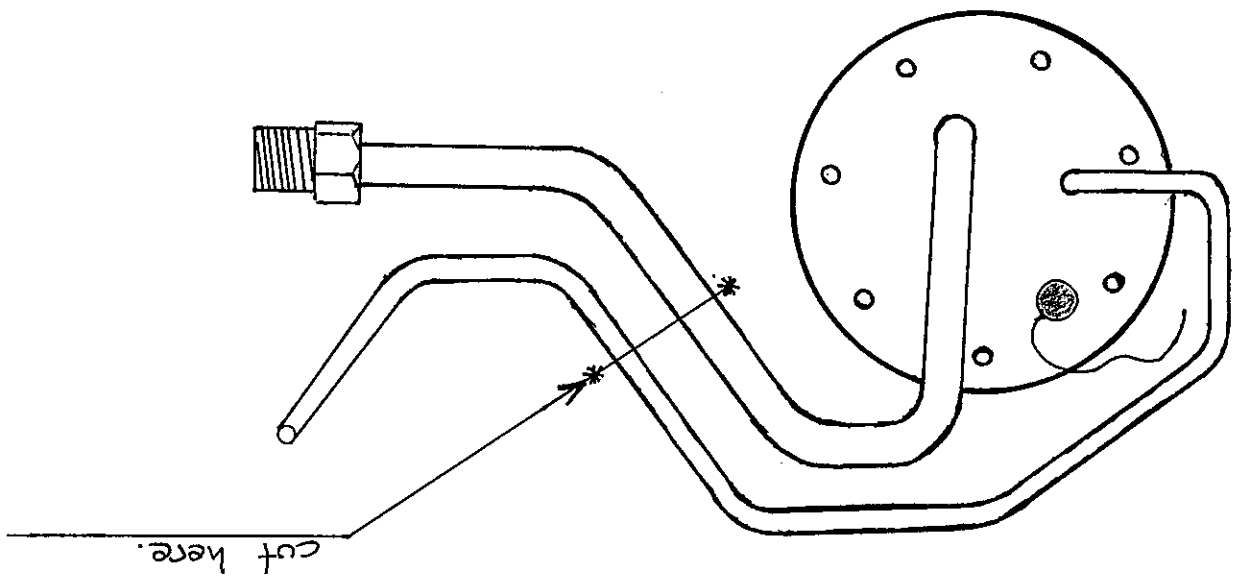
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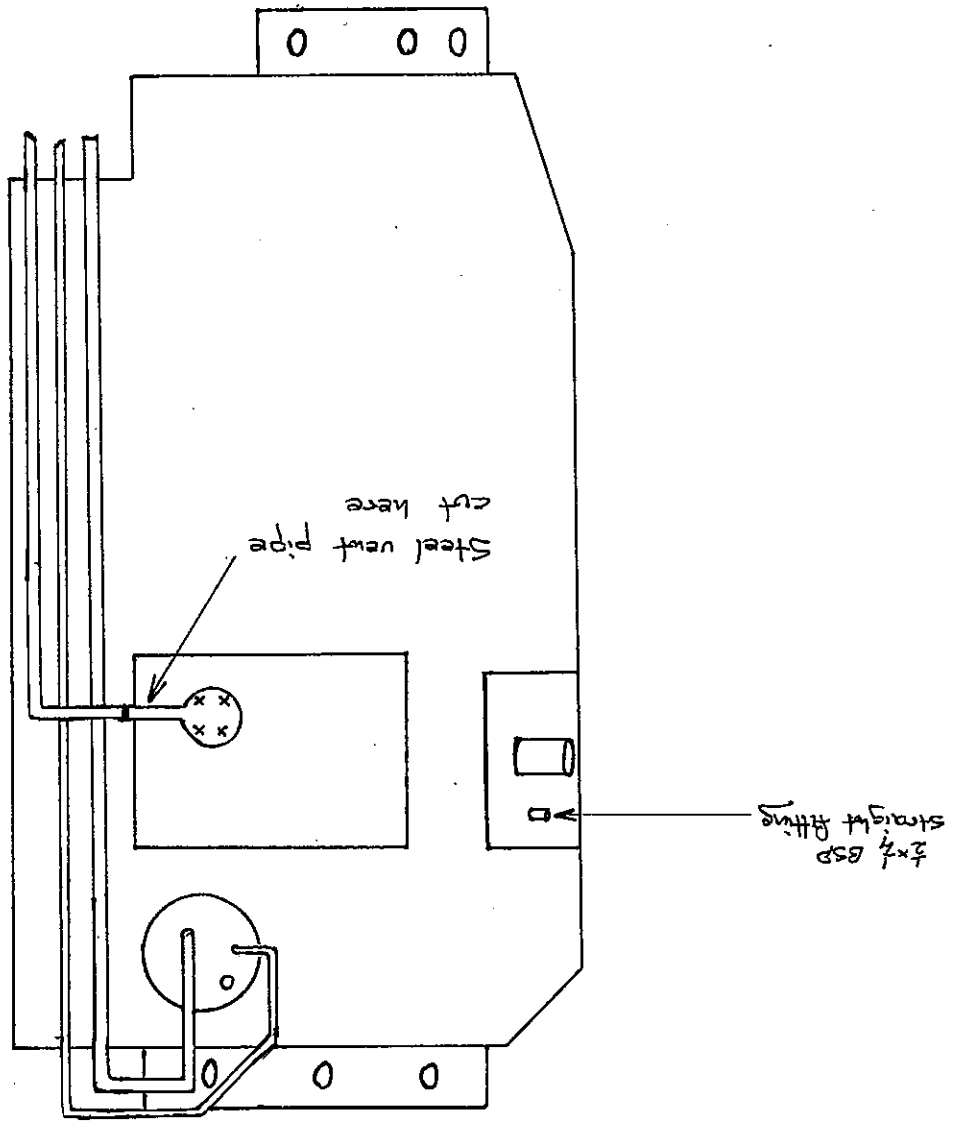
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Toyota Hilux Single Cab EFI TH169SER.



Tyco HiLux Single Cab FI TH1695ER.





TH169DR / TH.167D.R. float arm Rework.

Solder

measure 50mm from pivot and
bend down 25°

leave this bend untouched.

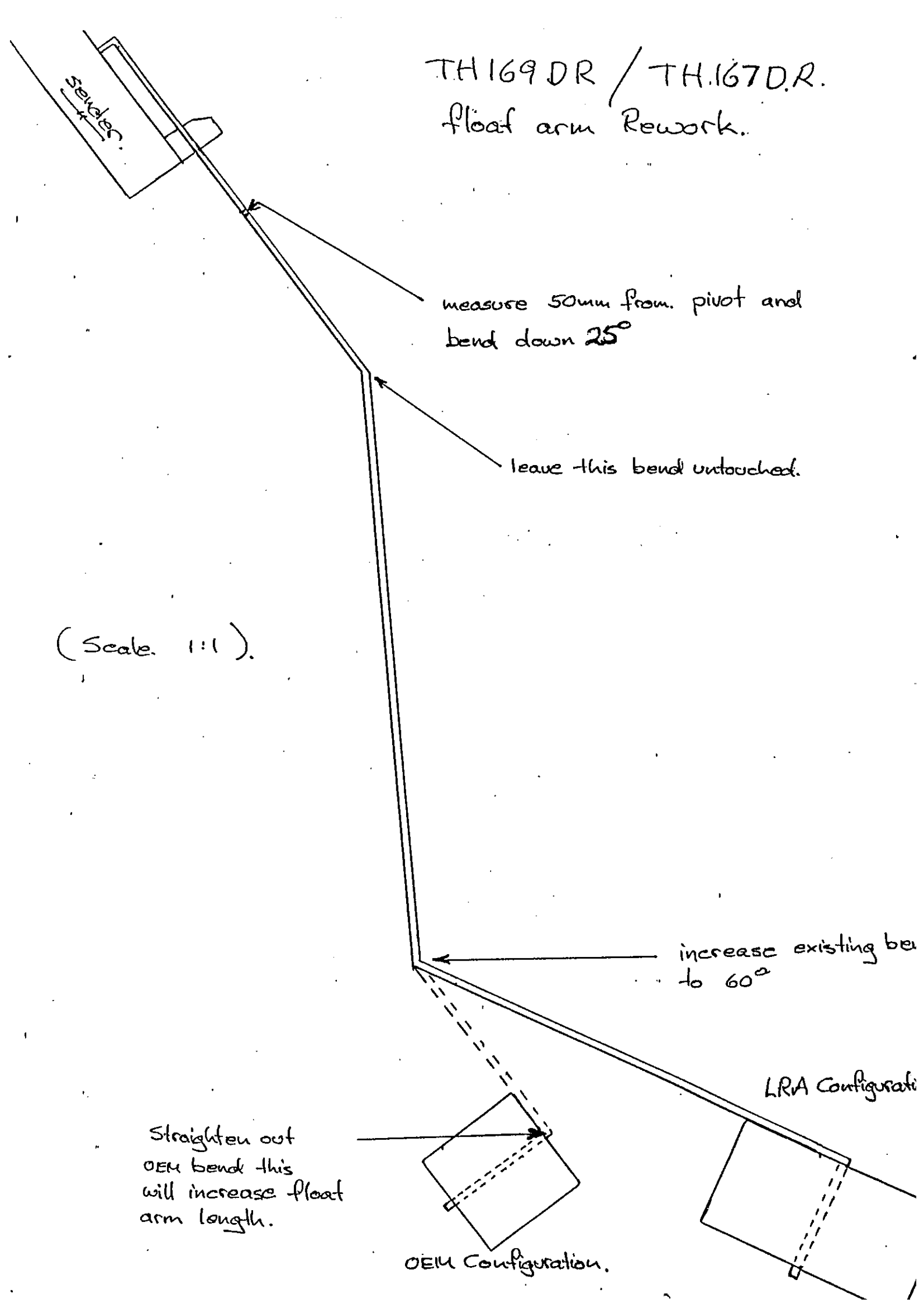
(Scale. 1:1).

increase existing bend
to 60°

Straighten out
OEM bend this
will increase float
arm length.

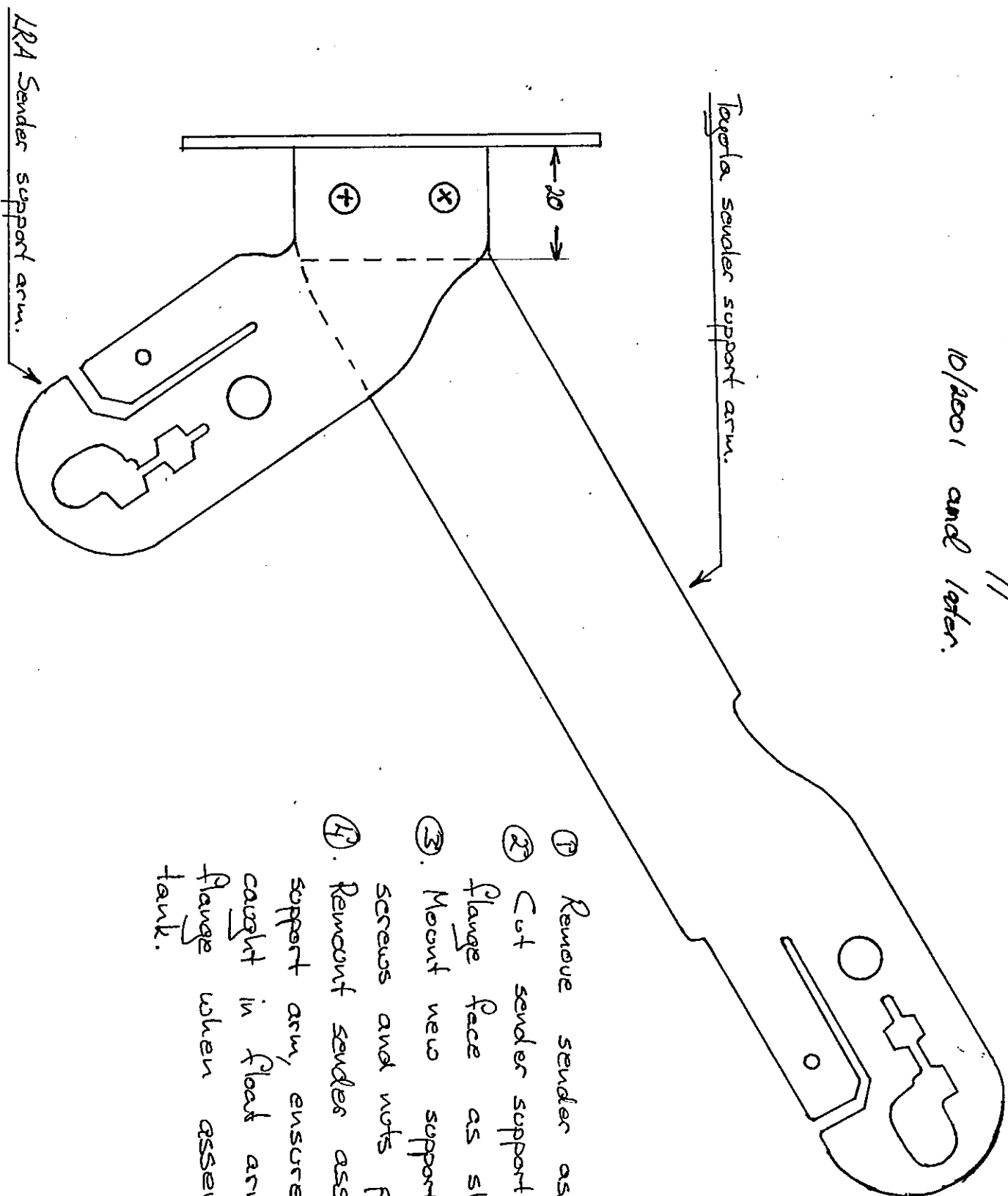
OEM Configuration.

LRA Configuration



Hikos Sender support arm repair.

10/2001 and later.



- ① Remove sender assembly from support.
- ② Cut sender support arm 20 mm from flange face as shown.
- ③ Mount new support arm using M5 x 10 screws and nuts provided.
- ④ Re-mount sender assembly to new support arm, ensure wires will not get caught in float arm or jammed under flange when assembly is fitted into tank.