



LONG RANGE AUTOMOTIVE

Installation Instructions for LDEF130TD5R **Landrover Defender 130 / 110 TD5** **134L Replacement tank**

1. Remove tow bar and disconnect fast fill hose from filler assembly. Remove fill hose and siphon as much fuel as possible out of the tank. Remove sway bar mounts from chassis and allow bar to swing down.
2. Unclip vent hose from body (found at LHR of vehicle near tail pipe). Lower fuel tank enough to gain access to sender wires and fuel lines on top of the tank. Disconnect wiring plug and fuel lines from tank (this will require care and persistence as available space is limited). Remove tank and discard top retaining strap.
3. Remove fuel pump from the tank, discard OEM fuel pump seal and carefully remove locating tag near sealing edge. Extend horizontal section of float arm by 115mm, 2.5mm rod supplied is 135mm long to allow for 10mm overlap at each join. Install pump assembly into new tank using O-ring, locking ring and M5 cap screws and washers supplied. Check float arm travel to ensure good gauge readings – EMPTY = 326 OHMS, FULL = 8.0 OHMS.
4. Install rollover valve into top of tank and connect OEM vent hose to new rollover valve. Install sway bar mounting blocks to OEM mounting points on chassis. Lift tank into position feeding vent hose over chassis into its original path, with tank almost home connect fuel lines (this is easiest done through LH wheel arch and will require removal of the LHR wheel). Lift tank up to fitted position, fit front mounting bolts, ensure fuel lines and wires are not pinched or caught between tank and chassis at top front edge of tank, slide rear secondary mounting bracket into position and tighten all tank mounting bolts.
5. To install fill hose using 57mm tube cut 60mm sleeve from OEM fill hose. Position steel tube supplied and shorten sleeve at tank, then install fill hose. Install fast fill hose using T piece and hoses provided. Check for body to chassis clearance, refit tow bar and wheel, refit sway bar to new mounting blocks. Fill with fuel, check for leaks.



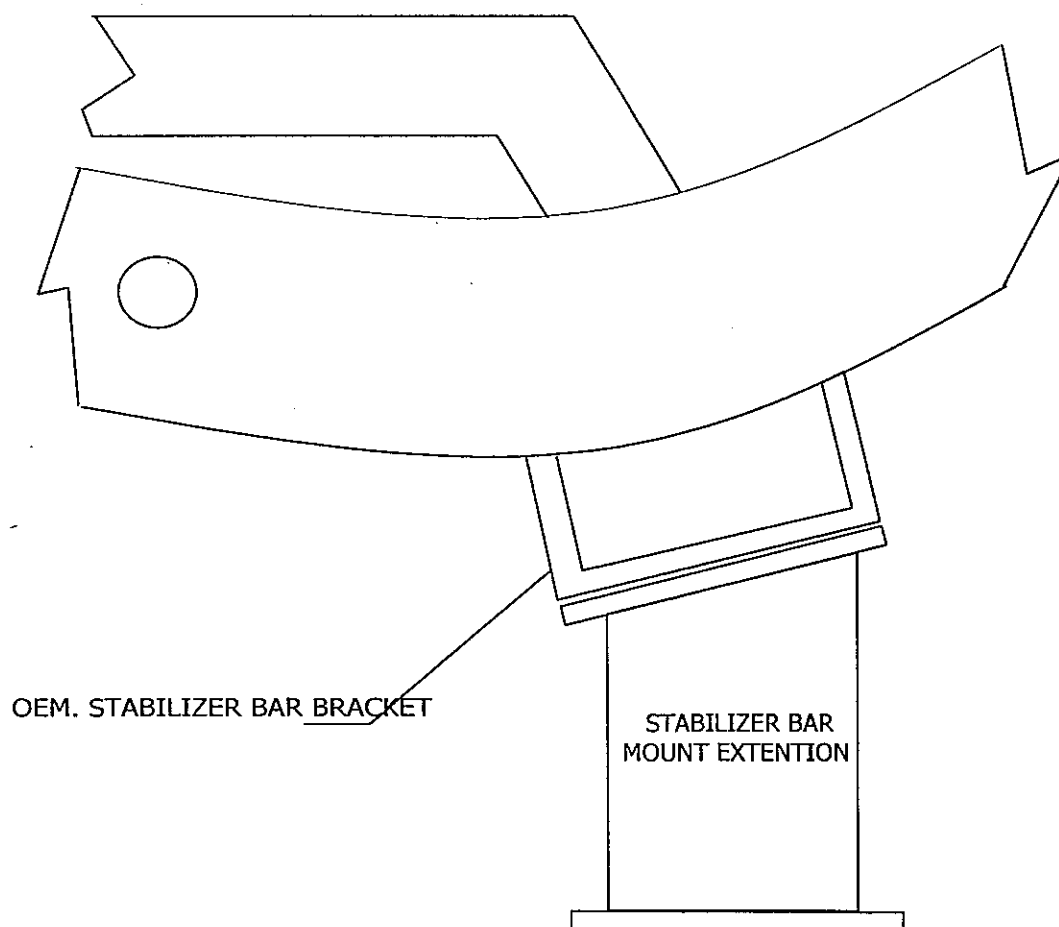
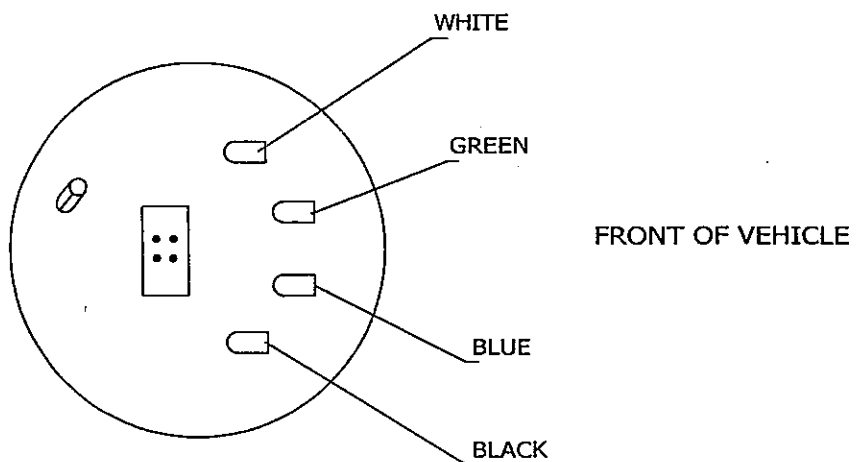
FITTING KIT CONTENTS – LDEF130TD5R

Brass:	Electrical:
○ 2 x P6 5/8x1/4 16mm Elbows ○ 1 x 18x16x16 T Piece	
Bolts / Nuts:	Misc Parts:
○ 5 x M10 x 30 Bolts ○ 5 x M10 Flat Washers ○ 5 x M10 Spring Washers ○ 6 x M5 Washers ○ 6 x M5 x 8mm Cap Screws ○ 8 x M8 x 25 Bolts ○ 8 x M8 Nyloc Nuts ○ 16 x M8 x 20 Flat Washers	○ 1 x 2.5mm Rod @ 135mm Long <i>(to extend horizontal float arm by 115mm)</i> ○ 1 x BS349 O-ring ○ 1 x Pump Hold Down Ring ○ 1 x Rollover Valve c/w Plastic Sleeve ○ 1 x LRA-FTG-2 Grommet ○ 1 x Secondary Bracket w 5xM10 Nuts Welded On ○ 2 x Sway Bar Extension Blocks ○ 1 x 57mm OD Tube @110mm Long
Hose Clamps:	Cable Ties:
○ 2 x 1/4" Hose Clamps ○ 6 x 5/8" Hose Clamps ○ 4 x 2 1/4" Hose Clamps	
Sender:	Pumps & Filters:
Hose:	3 Pages of Fitting Instructions Consisting of:
○ 1 x 6mm Fuel Hose @ 650mm ○ 1 x 16mm NTP Hose @ 70mm ○ 1 x 16mm NTP Hose @ 420mm	○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page #INLDEF130TD5R Diagram

Kit Packed By _____

Checked By _____

OEM- SENDER / PICK UP
ASSEMBLY TOP VIEW SHOWING
POSITIONS & COLOUR OF HOSES



INLDEF130TD5R

DEFENDER TD5 130

134 LT REP TANK