



Installation Instructions for LDEF90TD5A-LH Landrover Defender 90 TD5 32L Auxiliary Tank – Left Hand

This auxiliary tank fits on the LH side of the vehicle between the front and rear axle. Fuel is transfer via an electric pump that will pump fuel from the auxiliary tank into the OEM tank. A combination switch/gauge will be located into a suitable position in the dash. When the switch is in operation an **ORANGE** light will be ON, indicating that the transfer pump is in operation. A series of lights will also indicate fuel level. All **GREEN** lights on showing FULL, one **RED** flashing light showing EMPTY.

**(DO NOT OPERATE TRANSFER PUMP WITH NO FUEL IN AUXILIARY TANK OR
PUMP FAILURE WILL OCCUR).**

1. Run twin core cable from under vehicle to inside cab and carry out wiring as per wiring diagram.
2. Screw all fittings and fuel level sender into tank as per diagram.
3. Fit the secondary tank mounting brackets to the front and rear chassis out riggers. The front bracket locates in original holes in the chassis out rigger. The rear bracket mounts to the round crossmember with 2 x C9 U-bolt type clamps.
4. Lift tank into position - remember to connect the sender unit wire. Check all clearances and bolt tank into position.
5. Mark out location for filler neck and hole saw 67mm hole for filler neck grommet. Screw P6 1/2 x 1/4 elbow into filler neck and fit neck to vehicle.
6. Pick a suitable protected location and mount the fuel pump. Complete the connection of the remaining hoses and wiring.
7. Fill with fuel and check fuel transfer pump operation.

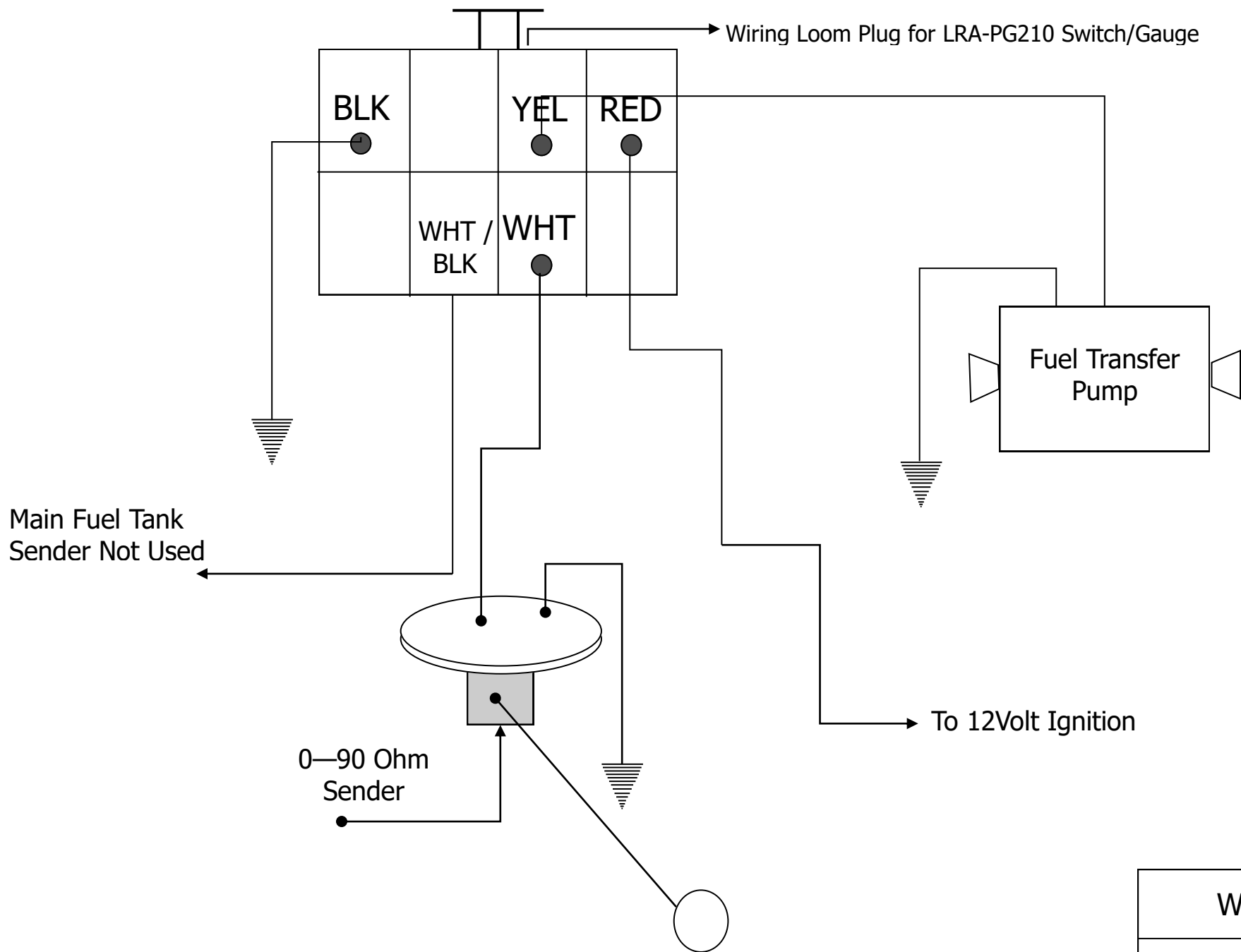


FITTING KIT CONTENTS LDEF90TD5A-LH

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 1 x P3 1/2 x 1/4 12mm Straight ○ 1 x P6 1/2 x 1/4 12mm Elbow ○ 1 x P6 5/16 x 1/4 8mm Elbow ○ 1 x 19 x 19 x 8mm T-Piece 	<ul style="list-style-type: none"> ○ 1 x Two Core Cable @ 4000mm ○ 3 x Heat Shrink Tube @ 30mm ○ 1 x LRA-PG210 Switch/Gauge ○ 1 x Red Insulated Terminal ○ 1 x Blue 6mm Earth Eye ○ 2 x Red 5mm Earth Eye
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 6 x M10 x 30mm Bolts ○ 6 x M10 Nyloc Nuts ○ 12 x M10 x 25mm Washers ○ 1 x M8 x 20mm Bolt ○ 1 x M8 Nyloc Nut ○ 1 x M8 x 25mm Washer ○ 1 x TEK Screw ○ 5 x M5 x 10mm Pan Head Screws (For Sender Unit) 	<ul style="list-style-type: none"> ○ 1 x FNLD110 (LHS) ○ 1 x Filler Neck Mounting Grommet ○ 1 x Locking Cap ○ 2 x Secondary Brackets Suit LHS ○ 2 x C9 U-bolt Clamps with Nyloc Nuts and Washers
Hose Clamps:	Cable Ties:
<ul style="list-style-type: none"> ○ 6 x 1/4" Hose Clamps ○ 2 x 1/2" Hose Clamps ○ 2 x 11/2" Hose Clamps ○ 2 x 5/8" Hose Clamps 	<ul style="list-style-type: none"> ○ 10 x 7" Cable Ties
Sender:	Pumps & Filters:
<ul style="list-style-type: none"> ○ 1 x 0-90 OHM Sender Unit with 500mm Earth attached 	<ul style="list-style-type: none"> ○ 1 x Fuel Pump ○ 1 x Z14 Filter ○ 1 x Fuel Pump Mounting Bracket
Hose:	4 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x 44mm Fuel Hose @ 100mm ○ 1 x 12mm CMP Hose @ 500mm ○ 1 x 8mm Fuel Hose @ 1500mm 	<ul style="list-style-type: none"> ○ 1 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page WDSGPG210 Diagram ○ 1 x Page INLDEF90TD5A/LH

Kit Packed By _____

Checked By _____



WDSGPG210

DIAGRAM A

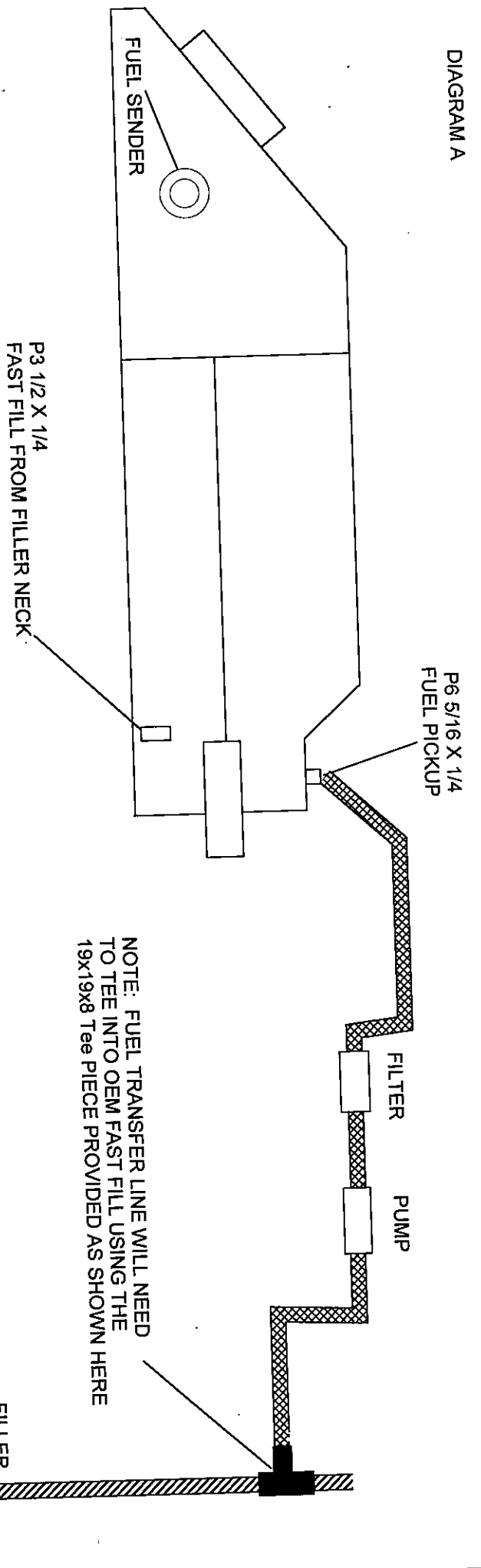
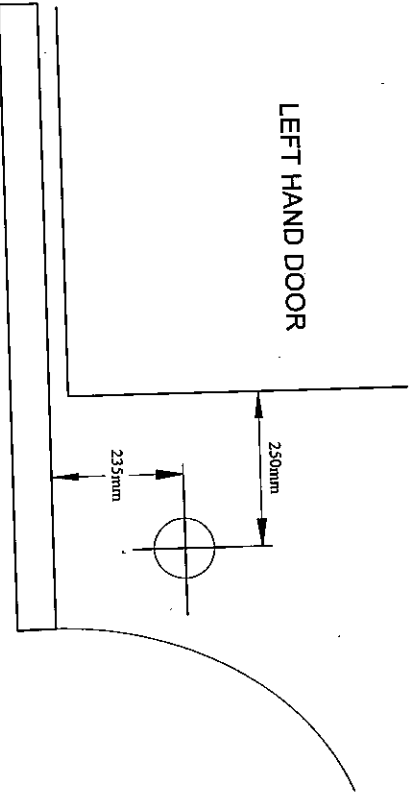


DIAGRAM B

SUGGESTED REFERENCE POINT TO
HOLE SAW 67mm FILLER HOLE



INLDEF90TD5A/LH

LANDROVER DEF 90 TD5

32 Lt AUX TANK