



Installation Instructions for LDAS
Landrover Discovery I
45L Sill Auxiliary Tank

This sill tank fits underneath the left or right hand sills of the vehicle. They have their own filler neck and can be filled from either the left or right hand rear wheel arches respectively. Fuel is transferred 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 blank in the dash. When the transfer pump is in operation an **ORANGE** light will be on. A series of lights will also indicate fuel level. ALL **GREEN** lights on showing FULL, ONE **RED** light showing EMPTY.

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

1. Mount switch/gauge into an available blank in dash. This will require care, to accurately and neatly cut the correct sized hole. Carry out wiring installation as per diagram.
2. Check the underside of the floor pan above the sill tank location for any screws or bolts that protrude through and would foul or rub on the top of the tank. Bend the vertical metal flange flat out of the way, being careful with the pipes in this area.
3. Remove the lower gearbox crossmember bolt and fit front inner tank mounting bracket. Measure 480mm to the rear from this bolt and drill hole at the same height as the gearbox crossmember bolt. Fit the rear inner tank mounting bracket.
4. Fit fuel sender unit to tank. 12mm hose barb elbow fitting into top of the tank pointing towards the rear. 8mm hose barb elbow into fuel pick up and plug into fitting next to fuel pick up.
5. Lift tank into position (don't forget to connect the sender unit wire and earth). Secure tank to front and rear inner brackets leaving a minimum of 5mm clearance at the front of the tank to the sill edge of the body. Level tank left to right and secure front and rear of tank to chassis out riggers with 50 x 50mm angle brackets.

6. Fit the fuel transfer pump into place and complete wiring and connection of all hoses and fittings. Mount the filler neck using M6 bolts and nuts provided and connect fast fill hoses. Tee the 6mm vent line from the top of the filler neck into the vent line that runs from the rear tank to the emission canister.

7. Fill tanks with fuel and check operation of fuel sender units on the new switch/gauge. Check operation of the fuel transfer pump from either the left or right hand tanks. **FUEL TRANSFER PUMP SWITCH:** When pressed on, providing there is fuel in the sill tank, fuel will be pumped from the sill tank into the main rear tank. The **ORANGE** LED in the switch will be on to indicate that fuel is being transferred. The fuel transfer pump is a self-priming pump. **DO NOT** pump for extended periods with the auxiliary fuel tank empty or fuel pump damage may occur. **FUEL TANK FILLER:** The fuel filler is located in the rear wheel arch of the vehicle just forward of the rear wheel. The sill tank will hold 45L of fuel.



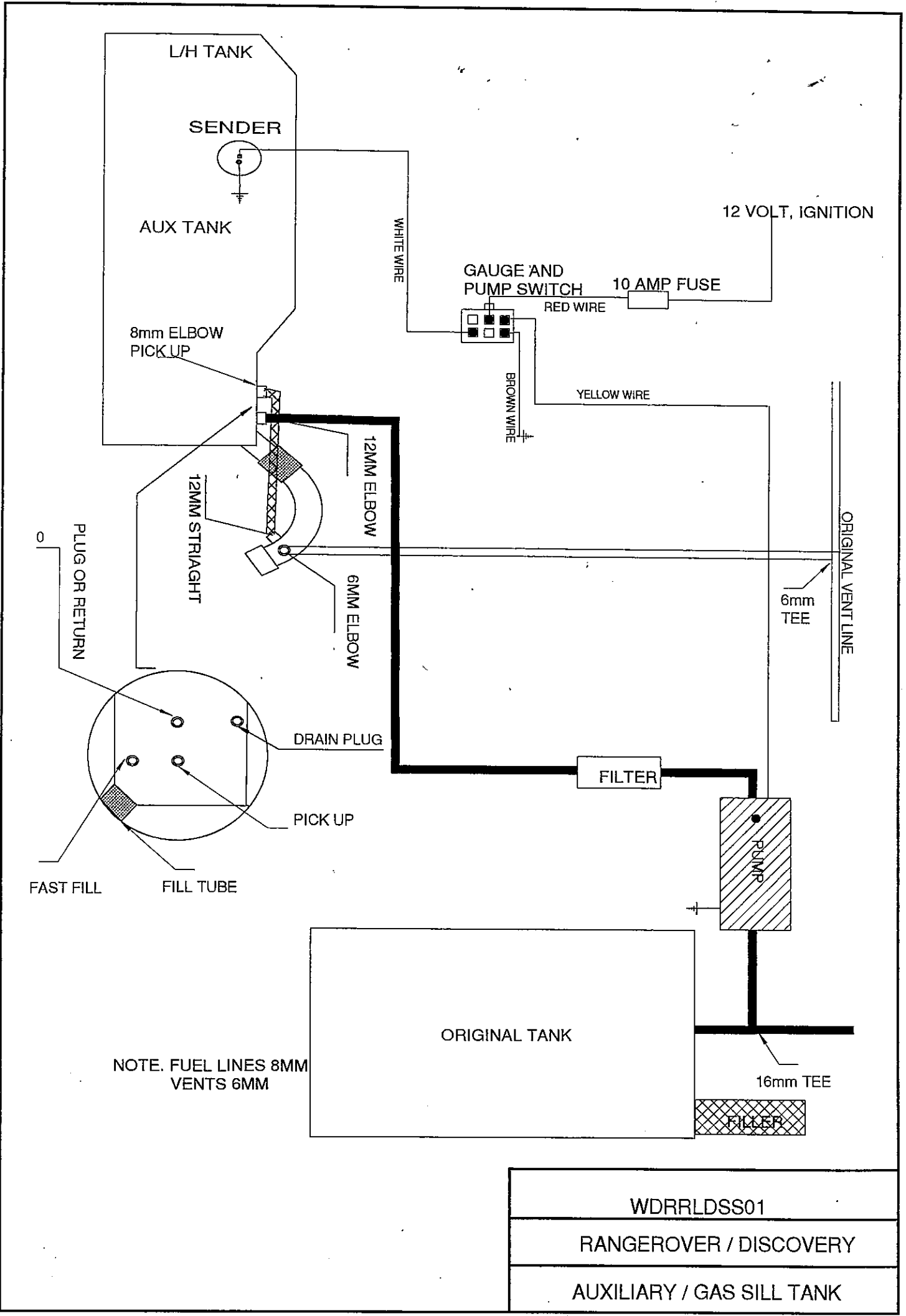
FITTING KIT CONTENTS LDAS

Brass: <ul style="list-style-type: none"> ○ 1 x P6 5/16 x 1/4 (8mm hose barb elbow) ○ 1 x P6 1/4 x 1/4 (6mm hose barb elbow) ○ 1 x P6 1/2 x 1/4 (12mm hose barb elbow) ○ 1 x P3 1/2 x 1/4 (12mm hose barb straight) ○ 1 x P14 x 1/4 (6mm hose barb tee) ○ 1 x 16mm x 8mm reducing tee ○ 1 x 1/4 BSP plug 	Electrical: <ul style="list-style-type: none"> ○ 5 x Red Insulated Terminals ○ 4 x Red Male Terminals ○ 2 x Red Earth Eye ○ 1 x 8mm Blue Earth Eye ○ 1 x LRA-PG210 Switch/Gauge ○ 1 x 4mm Single Core Wire @ 1500mm ○ 1 x 3mm Two core Wire @ 5000mm
Bolts / Nuts: <ul style="list-style-type: none"> ○ 2 x M6 x 16 Bolts ○ 2 x M6 Nuts ○ 2 x M6 Flat Washers ○ 1 x 5/16 x 4" Bolt ○ 1 x 5/16 UNC Nyloc Nut ○ 1 x 5/16 x 1-1/4" Washers ○ 6 x M8 x 25mm Bolts ○ 6 x M8 Nyloc Nuts ○ 6 x 5/16 x 3/4 Washers ○ 5 x M 5 x 8 Pan Head Screws 	Misc Parts: <ul style="list-style-type: none"> ○ 4 x Secondary Mounting Brackets ○ 1 x Filler Neck #FN4490XIN ○ 1 x Fuel Cap to Suit Tank
Hose Clamps: <ul style="list-style-type: none"> ○ 10 x 1/4 Hose Clamps ○ 2 x 1/2 Hose Clamps ○ 2 x 5/8 Hose Clamps ○ 2 x 1 1/2 Hose Clamps 	Cable Ties: <ul style="list-style-type: none"> ○ 6 x 7" Cable Ties ○ 5 x 11" Cable Ties
Sender: <ul style="list-style-type: none"> ○ 1 x Fuel Sender Unit -0-90 OHMS 	Pumps & Filters: <ul style="list-style-type: none"> ○ 1 x Fuel Pump ○ 1 x Z14k Filter

Hose:	5 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none">○ 1 x 6mm CMP Hose @ 2500mm○ 1 x 8mm Fuel Hose @ 2000mm○ 1 x 1/2" Fuel Hose @400mm○ 1 x 44mm Hose @ 180mm	<ul style="list-style-type: none">○ 2 x Pages Fitting Instructions○ 2 x Pages Kitting Kit Contents○ 1 x Page WDRRLDSS01 Diagram

Kit Packed By_____

Checked By_____



WDRRLDSS01

RANGEROVER / DISCOVERY

AUXILIARY / GAS SILL TANK