



Installation Instructions for FMLA
Ford Maverick LWB
73L Auxiliary Tank

This auxiliary tank fits forward of the rear axle on the R/H side of the drive shaft. 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 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** light showing EMPTY.

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

1. Screw all fittings into auxiliary tank as per diagram
2. Remove standard filler neck assembly from vehicle and cut and modify to suit cast alloy twin fill valve as per filler neck modification sheet.
3. Carry out necessary wiring and installation of switch, relay and fuel pump.
4. If vehicle is fitted with stabilizer release cable, bend cable mounting brackets in towards chassis rail. **YOU MUST CUT THE THREAD OF THE SEATBELT BOLT THAT PROTRUDES PAST THE CAGE NUT ON THE UNDER SIDE OF THE FLOOR PAN.** On some models if you measure 200mm to the rear from the seatbelt bolt you cut off, there is a floor reinforcing plate. Cut the front corners off this brace flush with the floor pan.
5. There is a small gusset welded towards the R/H rear of the tank location which has a 8mm hole drilled in it. Locate this hole and drill it out to 10mm then place M10 x 30mm bolt in it. Locate hole that is in the top of rear chassis tube above the rear differential and drill hole directly below it. Lift tank into position using M10 x 30mm bolt previously placed in corner gusset section as main locating point. Make sure tank is running as close as possible to R/H chassis rail.

6. Check all fuel lines are clear. Clamp front of tank, drill holes and secure with M10 x 75mm bolts and Nyloc nuts. Secure long rear bracket with M10 x 75mm bolt and Nyloc nut. (Due to chassis variations you may need to space the rear of the tank down slightly on some vehicles.)
7. Install modified twin filler neck assembly and fit steel fill pipe section in place. Steel fill pipe is put into position from the forward side of the differential and fed backwards, not from the rear to the front. Connect auxiliary side of twin filler to steel fill pipe with 44mm ID hose bend. Connect other end of pipe to auxiliary tank with 440mm length of 38mm ID hose. Connect main tank side of twin filler to original tank. You will need to cut this hose shorter. Connect 1400mm length of 12mm hose from 12mm hose barb straight on auxiliary tank to new 12mm fast fill fitted to original filler neck. Ensure this line has no low points in it.
8. Connect original fast fill line to twin neck with 16mm double reducing tee as part of this line. 8mm branch goes to the discharge side of the fuel transfer pump. 6mm branch goes to 6mm hose barb elbow from the expansion chamber on the auxiliary tank.
9. Finish connection of fuel pump to fuel pickup line with filter in between fuel pump and pick up. Connect fuel sender wires. Fill with fuel and check system operation.

NOTE: USE HIGH QUALITY SEALER ON ALL JOINTS AND FITTINGS E.G. PERMATEX 3J



FITTING KIT CONTENTS FMLA

<p>Brass:</p> <ul style="list-style-type: none"> ○ 1 x P3 1/4 x 1/4 (6mm Hose barb straight) ○ 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 16mm x 6mm x 8mm Double reducing tee 	<p>Electrical:</p> <ul style="list-style-type: none"> ○ 1 x 4mm Single core wire @ 1000mm ○ 1 x 3mm 5 Core wire @ 1000mm ○ 1 x 3mm 2 Core wire @ 5000mm ○ 1 x 3 Position switch ○ 1 x Change over relay ○ 6 x Red insulated terminals ○ 1 x red plain terminal ○ 1 x Blue insulated terminal ○ 2 x Red earth eye ○ 1 x 10 AMP Fuse + fuse holder
<p>Bolts / Nuts:</p> <ul style="list-style-type: none"> ○ 6 x M5 x 6mm Cap screws ○ 6 x M5 Washers ○ 3 x M10 x 75mm Bolt ○ 1 x M10 x 30mm Bolt ○ 1 x M10 Plain nut ○ 4 x M10 Nyloc nut ○ 4 x M10 Washers 	<p>Misc Parts:</p> <ul style="list-style-type: none"> ○ Fill Pipe #FPGQAUX ○ 1 x BS351 O-ring ○ 1 x BS135 O-ring ○ 1 x Cast alloy twin filler neck
<p>Hose Clamps:</p> <ul style="list-style-type: none"> ○ 8 x 1/4" Hose clamp ○ 2 x 1/2" Hose clamp ○ 2 x 5/8" Hose clamp ○ 4 x 1 1/2" Hose clamp 	<p>Cable Ties:</p> <ul style="list-style-type: none"> ○ 10 x 7" Cable ties ○ 5 x 11" Cable ties ○ 2 x 14" Cable ties
<p>Sender:</p> <ul style="list-style-type: none"> ○ 1 x Fuel sender unit/fuel pick up 	<p>Pumps & Filters:</p> <ul style="list-style-type: none"> ○ 1 x E8012S Fuel pump & 1 x P3 3/8 x 1/8 (10mm hose barb straight) ○ 1 x Z153K Fuel filter

Hose:	6 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none">○ 1 x 38mm fuel hose @ 440mm○ 1 x 44mm fuel hose 90° bend○ 1 x 10mm fuel hose @ 600mm○ 1 x 8mm fuel hose @ 900mm○ 1 x 12mm CMP hose @ 1500mm○ 1 x 6mm CMP hose @ 1500mm	<ul style="list-style-type: none">○ 2 x Pages Fitting Instructions○ 2 x Pages Fitting Kit Contents○ 1 x Fittings Installation Diagram○ 1 x Filler Neck Modification Diagram

Kit Packed By _____

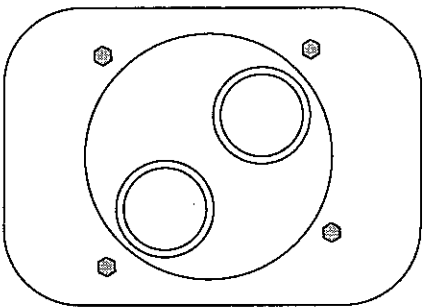
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73 LT AUX TANK

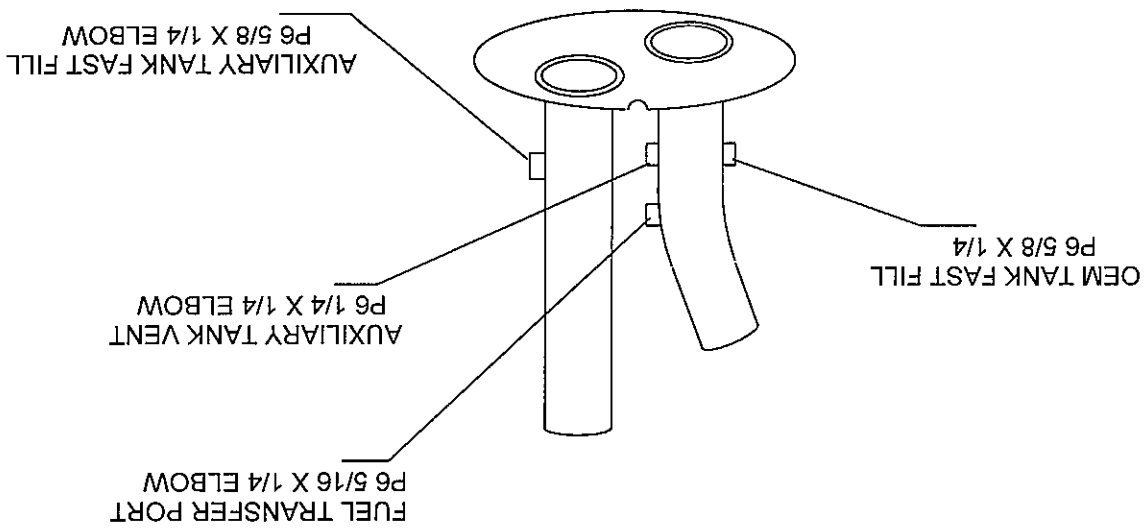
FORD MAVERICK

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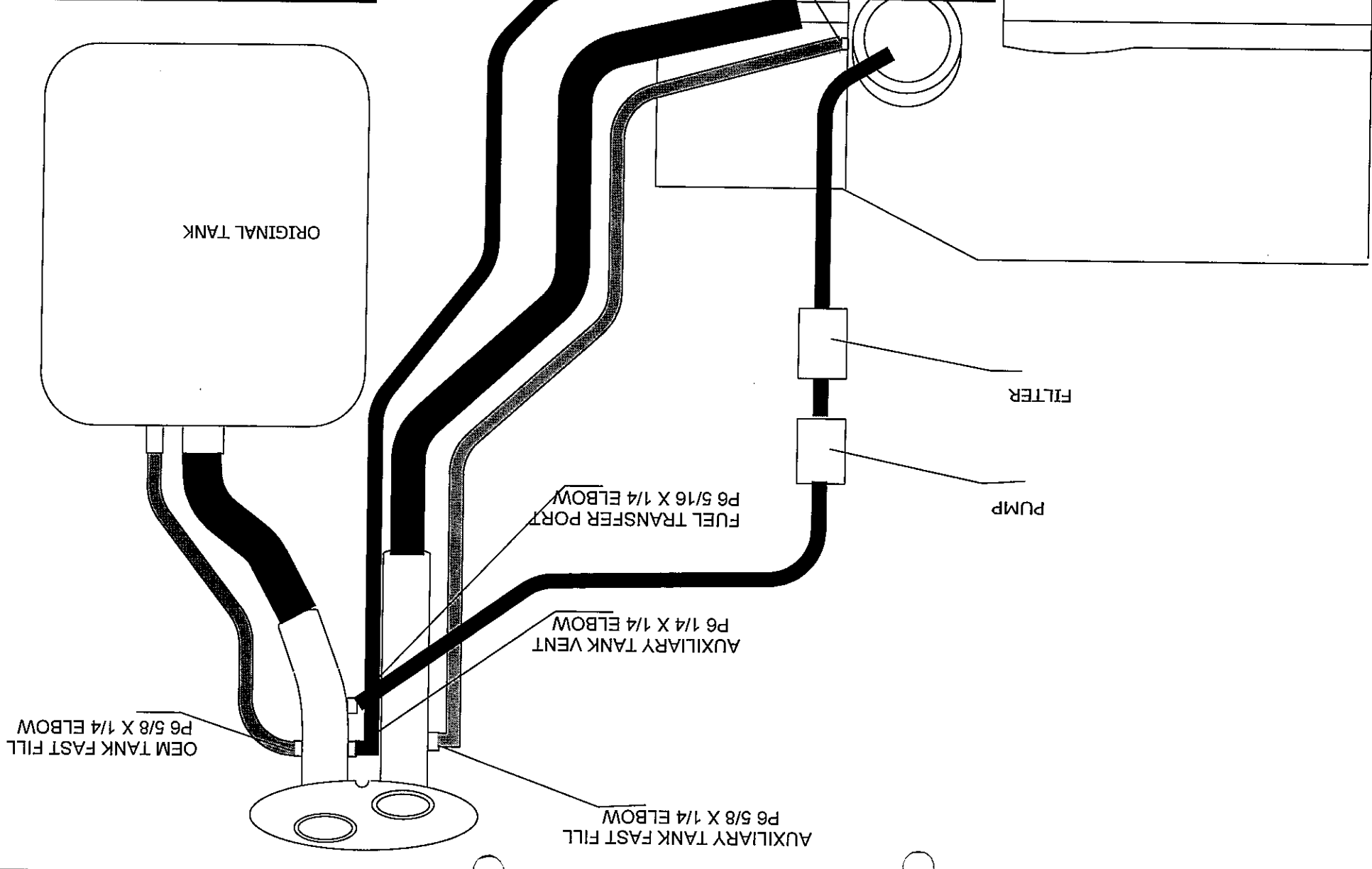
NEW TWIN FILTER INSTALLED
TO OEM FILLER RECESS,
AND SHOWING SUGGESTED POINTS
FOR TECH SCREWS



FRONT



AUXILIARY TANK
 GQ PATROL / MAVERICK LWB
 INNPQLA01



AUXILIARY TANK FAST FILL
 P6 5/8 X 1/4 ELBOW

AUXILIARY TANK VENT
 P6 1/4 X 1/4 ELBOW

FUEL TRANSFER PORT
 P6 5/16 X 1/4 ELBOW

PUMP

FILTER

P3 1/4 X 1/4 STRAIGHT

P3 5/8 X 1/4 STRAIGHT

OEM TANK FAST FILL
 P6 5/8 X 1/4 ELBOW