



**Installation Instructions for TLC76CA
Toyota Landcruiser VDJ76 Wagon
(DPF Models 2016 on)
87lt Centre Auxiliary Tank**

***Note – To suit vehicles with STD 130lt Main Tank**

This auxiliary tank fits in the centre of the vehicle and requires the standard muffler to be removed and replaced with TLC76CAEM or an aftermarket exhaust.

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 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** light flashing showing empty.

1. Carry out wiring of the LRA-PG210 switch gauge unit. The suggested location is in the large rectangle blank on the RHS of the dash. A 12v ignition source can be found under the RH kick panel (blue wire). Run the twin core under the scuff plate and exit through the grommet in the floor just behind the centre pillar, this brings it out above the chassis rail. Run to the rear for connection to the sender unit and pump.
2. Unbolt the park brake cable mounts from the body. Remove the standard exhaust from the DPF Flange back.
3. Remove the heat shield from the floor pan and trim the shield mounts from the floor. Also trim the mount from the floor pan above the park brake cable (Refer Pic 3)
4. Trim the front and rear exhaust muffler mounts from the round chassis cross members. Paint all bare metal sections. (Refer Pics 4 & 5)
5. Fit the new front secondary bracket in position with the flat on the bottom parallel to the bottom of the chassis rail and 280mm from the chassis to the L/H edge of the bracket. Secure with C10 Clamps washers and Nyloc nuts. (Refer Pic 6)
6. Fit the new rear secondary bracket in position 235mm from the L/H side. Fit the C8 Clamps washers and Nyloc nuts **but do not tighten** (Refer Pic 7)

7. Fit the replacement exhaust muffler piece TLC76CAEM or an aftermarket exhaust.
8. Remove the filler neck wheel arch cover and remove the standard filler neck. Assemble the fittings into TFTLC76CA, P6 5/16 x 1/4 into the main tank fill pipe pointing towards the tank. P6 1/4 x 1/8 into the top of the filler pointing in the same direction as the angle face. P6 5/8 x 3/8 into the underside of the filler pointing in the same direction as the pipes. The remaining P6 5/8 x 3/8 into the front of the filler pointing down.
9. Fit the P7 5/8 hose joiner to the original fast fill hose. Cut 20mm from the filler neck end of the OE filler hose. Fit the new filler in position and connect the P6 5/8 x 3/8 on the base of the filler to the P7 hose joiner with 300mm length of 16mm N&P hose. **(Refer Pic 9)**
10. Mount the fuel pump to the mounting bracket and use the M8 bolt that is above the rear diff, 130mm from the RH shocker to secure. Complete pump wiring and prepare sender unit wiring. **(Refer Pic 10)**
11. Fit the 90mm length of 38mm hose to the auxiliary filler on the neck, then take the FPTLC76CA fill pipe and feed it over the rear shocker cross member for connection to the hose.
12. Screw the fittings into the tank P6 5/16 x 1/4 into the top LHS pointing backwards. P6 1/4 x 1/8 in the top of the tank pointing to the RHS. P6 5/8 x 3/8 in the remaining fitting pointing up on the same angle as the filler.
13. Jack the tank into position and secure the front with rubbers, washers and Nyloc nuts do them up just as the rubber starts to compress. Do not over tighten. **(Refer Pic 11)** Adjust the position of the rear secondary bracket so the studs are central to the bracket hole. Secure rear of the tank with rubbers, washers and M10 Nyloc nuts. Now tighten the Nyloc nuts on the C8 clamps of the rear secondary bracket.
14. Connect the P6 5/16 x 1/4 fuel pick up to the inlet of the pump with 400mm length of 8mm hose.
15. Cover the 1750mm length of 16mm NTP with conduflex and connect the auxiliary tank P6 5/8 x 3/8 to the P6 5/8 x 3/8 on the twin filler, make sure there are no low points in this hose so that it has even fall from the filler neck to the tank. Connect the 1250mm length of 6mm hose from the top of the twin filler to the P6 1/4 x 1/8 on the top of the tank. Connect the outlet side of the pump to the P6 5/16 x 1/4 on

the main fill pipe of the twin filler with the 1200mm of 8mm fuel hose. Connect the fill pipe to the filler neck on the auxiliary tank with 325mm of 38mm hose.

16. Connect the sender unit and sender earth wire to the body. Bolt the park brake cable bracket to the tank with original bolts and nyloc nuts and washer. Refit front park brake cable bracket.
17. Neatly cable tie all hoses and wiring, check over all hoses and fittings and replace filler neck cover in the wheel arch.



FITTING KIT CONTENTS TLC76CA

Brass:	Electrical:
<ul style="list-style-type: none"> ○ 2 x P6 1/4 x 1/8 Elbows ○ 2 x P6 5/16 x 1/4 Elbows ○ 1 x P3 5/8 x 3/8 Straight ○ 2 x P6 5/8 x 3/8 Elbows ○ 1 x P7 16mm Joiner 	<ul style="list-style-type: none"> ○ 1 x LRA-PG210 Switch/Gauge Unit ○ 1 x 3mm Two Core @ 4000mm ○ 1 x 4mm Single Core Blue Wire @ 300mm ○ 1 x 5AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 1 x 3mm Single Core @ 300mm ○ 2 x Red Insulated Terminals ○ 2 x Red Eye Terminals ○ 1 x Blue 6mm Eye Terminal ○ 1 x Red Male Terminal ○ 2 x 3mm Shrink Tube @ 30mm
Bolts / Nuts:	Misc Parts:
<ul style="list-style-type: none"> ○ 6 x M8 x 20 Washers ○ 6 x M8 x 25 Washers ○ 14 x M8 Nyloc Nuts ○ 2 x Tek Screws ○ 3 x C9 Clamps with Saddle ○ 3 x C10 Long U Bolt Clamps with Saddle 	<ul style="list-style-type: none"> ○ 1 x FPTLC76A Fill Pipe ○ 1 x TFTLC76A Twin Filler ○ 4 x Cup Washers ○ 4 x Polyurethane Bushes
Hose Clamps:	Hose:
<ul style="list-style-type: none"> ○ 6 x 1/4 Hose Clamps ○ 4 x 5/8 Hose Clamps ○ 4 x 1 1/4 Hose Clamps ○ 1 x 16mm P Clip 	<ul style="list-style-type: none"> ○ 1 x 6mm Hose @ 1250mm ○ 1 x 8mm Hose @ 400mm ○ 1 x 8mm Hose @ 1200mm ○ 1 x 38mm Hose @ 90mm ○ 1 x 38mm Hose @ 325mm ○ 1 x 16mm NTP Hose @ 300mm ○ 1 x 16mm NTP Hose @ 1350mm ○ 1 x CF20 Conduflex @ 1250mm

Pumps & Filters:	Cable Ties:
<ul style="list-style-type: none"> ○ 1 x Fuel Pump & Filter ○ 1 x Fuel Pump Mounting Bracket 	<ul style="list-style-type: none"> ○ 12 x 7" Cable Ties ○ 3 x 11" Cable Ties ○ 1 x 14" Cable Tie
Sender:	12 Pages of Fitting Instructions Consisting of:
<ul style="list-style-type: none"> ○ 1 x Sender Unit 0-90 OHM C/W 700mm Earth. Installed With 5 x M5 x 100 Pan Heads 5 x M5 Spring Washers 	<ul style="list-style-type: none"> ○ 2 Pages Fitting Instructions ○ 2 Page Fitting Kit Contents ○ 1 Page TLC76CAEM Kit Contents ○ 6 Pages Fitting Instruction Pics ○ 1 Page WDSGPG210 Wiring Diagram

Kit Packed By _____

Checked By _____

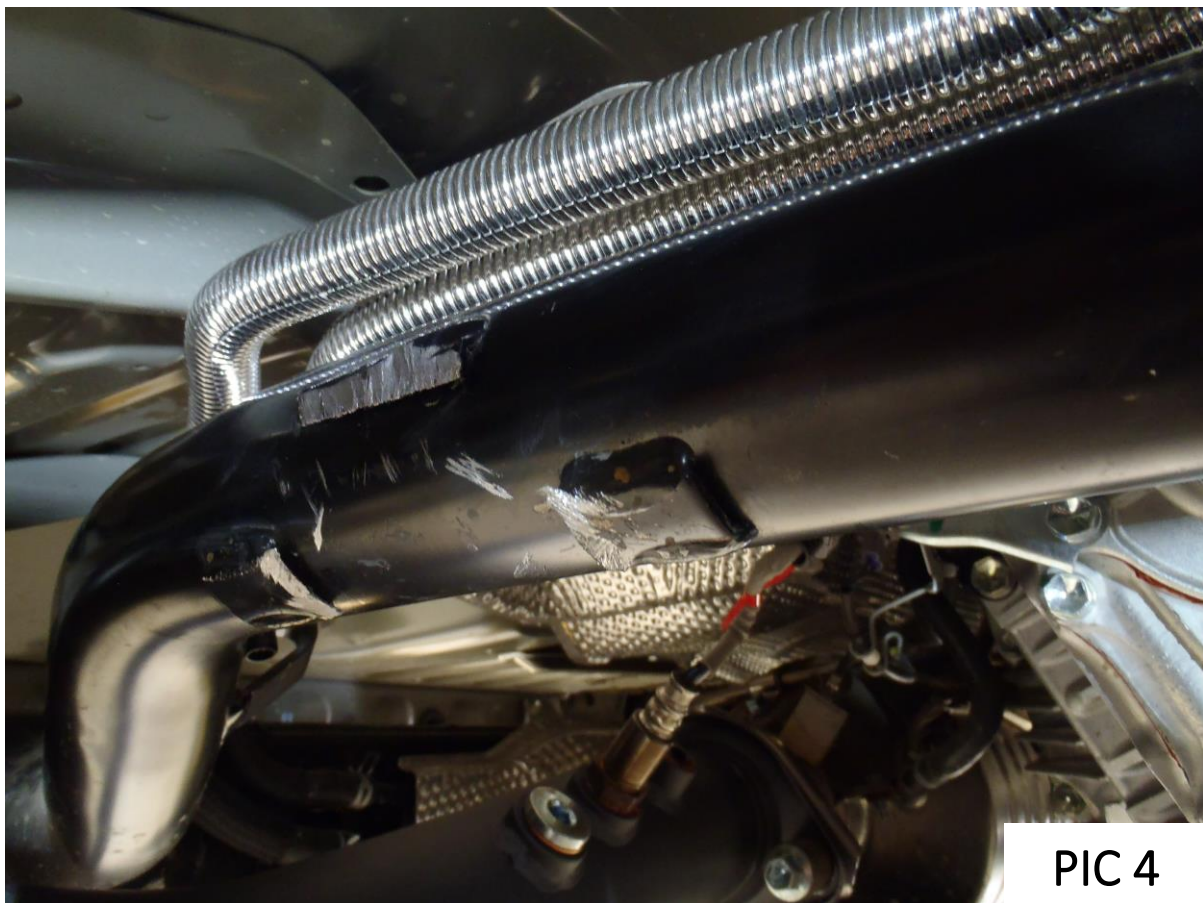


FITTING KIT CONTENTS TLC76CAEM

Bolts / Nuts	Misc Parts
<ul style="list-style-type: none">○ 4 x M8 Nyloc Nut○ 4 x M8 x 20mm Flat Washers○ 4 x M8 Nut○ 3 x M10 x 40 Bolt○ 3 x M10 Plain Nut○ 3 x M10 Spring Washer○ 6 x M10 x 20mm Flat Washer	<ul style="list-style-type: none">○ 1 x 3 Hole Exhaust Flange Gasket○ 1 x Muffler Mount○ 1 x Tail Pipe Mount○ 1 x TLC76CAEM exhaust pipe (2 Pieces) ○ 4 x M8 x 25mm with 150mm strap

Kit Packed By _____

Checked By _____

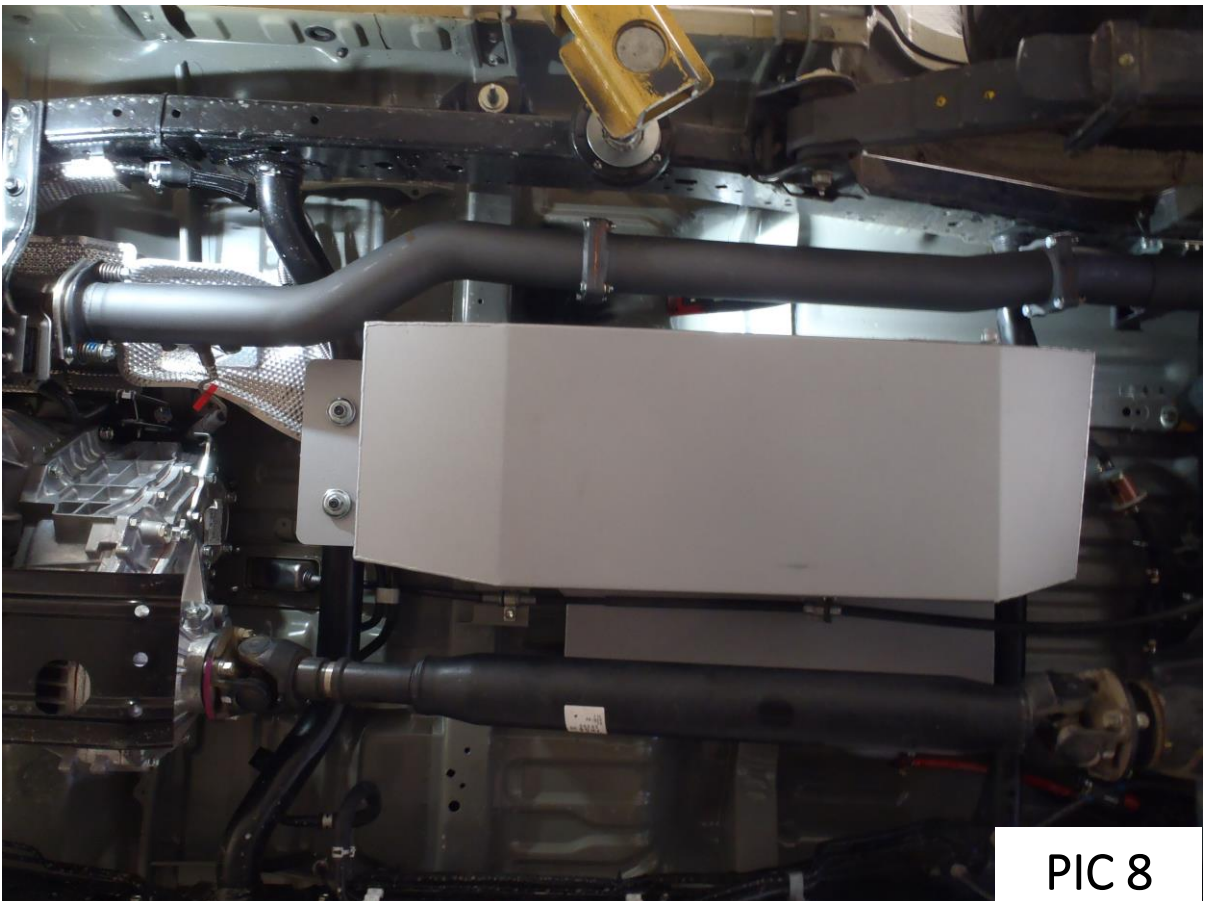
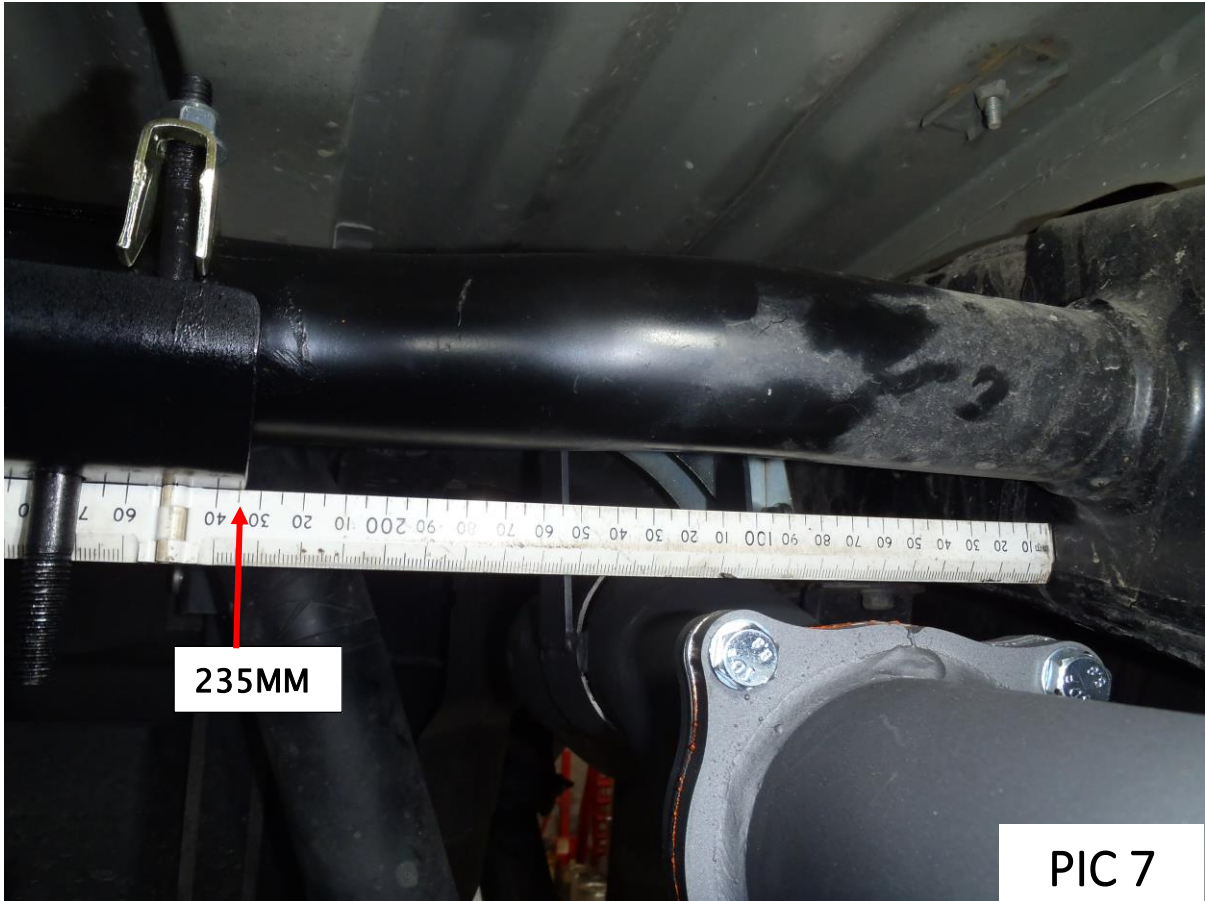




PIC 5



PIC 6

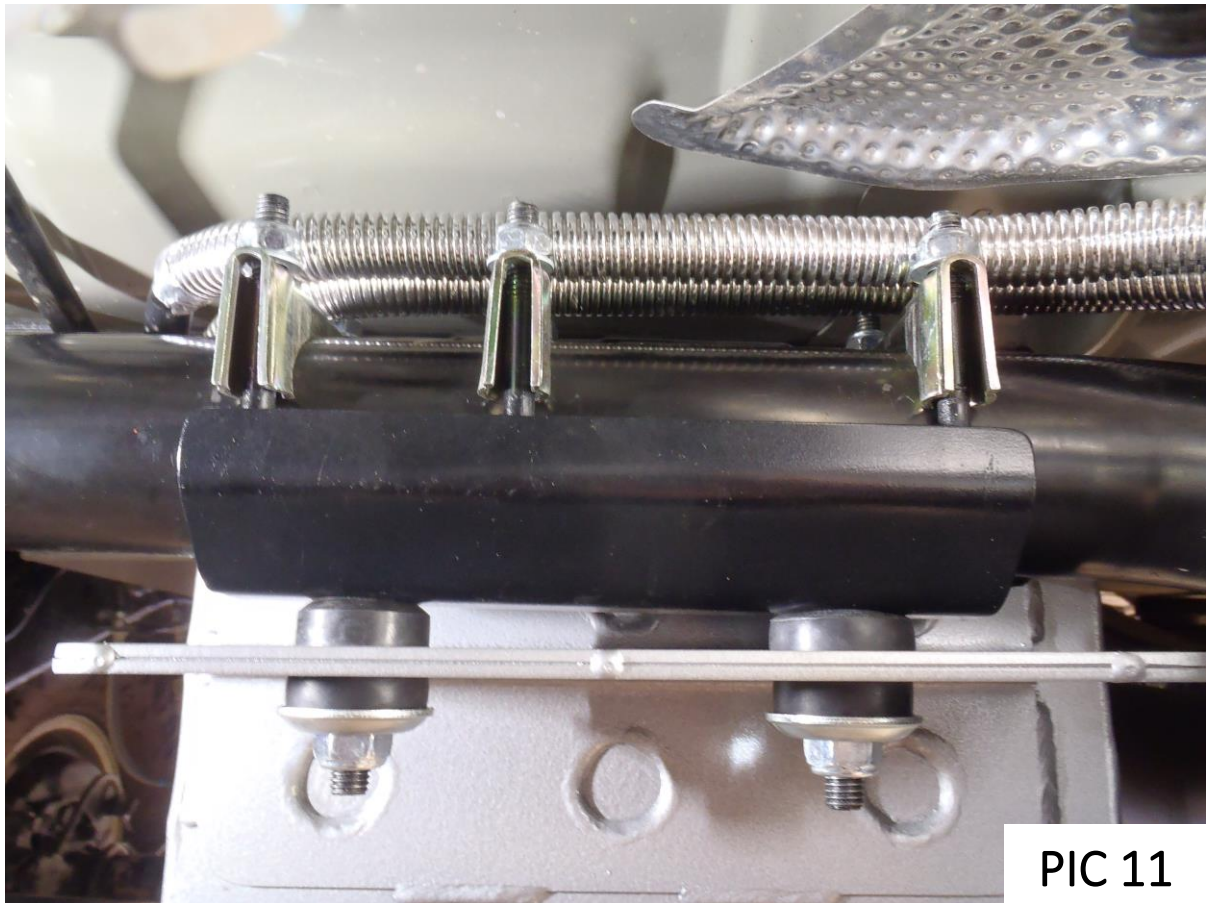




PIC 9



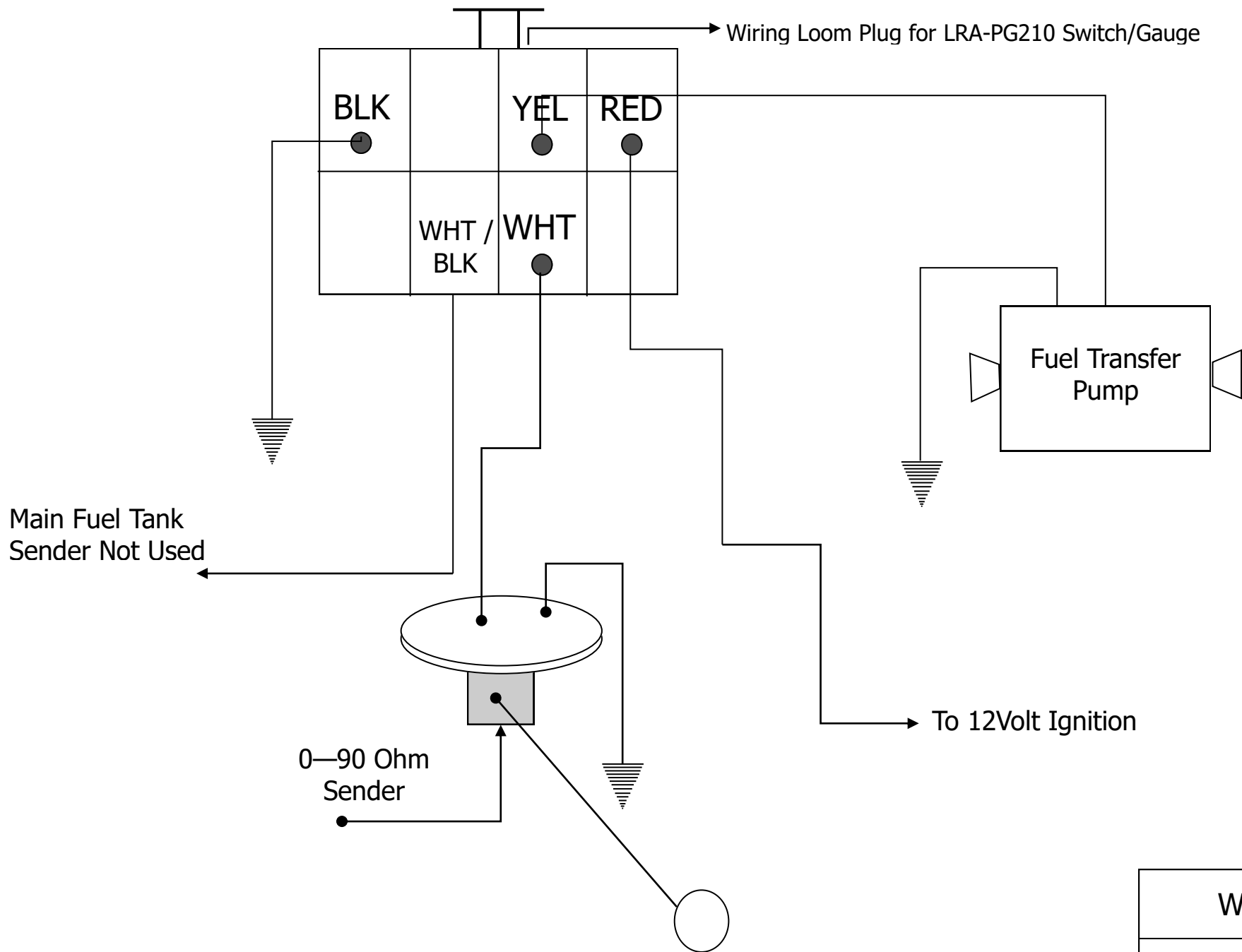
PIC 10



PIC 11



PIC 12



WDSGPG210