Installation Instructions for TLC76CA0712
Toyota Landcruiser VDJ76 Wagon
2007-2012 (90lt Standard Tank)
85lt Centre Auxiliary Tank

Updated 8/20 RB

This auxiliary tank fits in the centre of the vehicle and requires the standard muffler to be removed and replaced with our TLC76CAEM or aftermarket exhaust. A combination switch gauge unit is mounted to the dash.

WIRING:

1. Carry out wiring of PG210 switch gauge unit. 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.

EXHAUST (If using TLC76CAEM)

2. Unbolt the park brake cable mounts from the body. Cut the exhaust @ 50mm from the weld on the rear of the cat and at the rear inline with the rear M8 bolt on the bump stop (Ref Pics 1EM & 2EM)

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 (Ref Pic 3)

4. Remove metal fuel pick up and return lines from vehicle. Cut as per (Pic 11)

5. Trim the front and rear exhaust muffler mounts from the round chassis cross members. Paint all bare metal sections. (Ref Pics 4 & 5)

6. 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. (Ref Pic 6)

7. Fit the new rear secondary bracket in position235mm from the L/H side. Fit the C8 Clamps washers and Nyloc nuts But do not tighten (Ref Pic 7)

8. Bolt the new exhaust mounts to the LH chassis using the M8 bolts on straps nyloc nuts and washers. (Ref Pics 6EM & 7EM)

9. Fit the replacement exhaust in position, check all clearances tack weld and remove for welding. Refit completed exhaust. (Ref Pic 8EM)

10. Remove the filler neck wheel arch cover and remove the standard filler neck. Assemble the fittings into TFTLC76CA, P6 5/16 x ¼ Elbow into the main tank fill pipe pointing towards the tank. P6 1/4 x 1/8 Elbow 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.

11. Fit the P7 5/8 hose joiner to the original fast fill 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. (Ref Pic 9)

12. 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. (Ref Pic 10)

13. 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.

14. 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 Elbow in the remaining fitting.

15. 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. (Ref Pic 13A & 13B) 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.

16. Install modified fuel lines with new hoses, secure with tek screw to body support just forward of auxiliary tank filler neck. Cover rubber sections of hoses with conduflex (16mm conduflex goes over 10mm hose and 20mm conduflex goes over 12mm hose) (Ref Pic 12)

17. Connect the P6 5/16 x 1/4 fuel pick up to the inlet of the pump with 400mm length of 8mm hose.

18. 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. 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.

19. 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.

20. 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 TLC76CA0712

Updated 08/20

Brass:	Electrical:
○ 2 x P6 1/4 x 1/8 Elbow ○ 2 x P6 5/16 x 1/4 Elbow ○ 3 x P6 5/8 x 3/8 Elbow ○ 1 x P7 16mm Joiner	○ 1 x LRA-PG210 ○ 1 x 3mm Two Core @ 4m ○ 1 x 4mm Single Core Blue Wire @300mm ○ 1 x 5AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 2 x Red Insulated Terminal ○ 2 x Red Eye Terminal ○ 1 x Blue 6mm Eye Terminal ○ 1 x Red Male Terminal ○ 2 x 3mm Shrink Tube @ 30
Bolts / Nuts:	**Misc Parts:**
○ 14 x M8 x 20 Washer ○ 14 x M8 Nyloc Nut ○ 4 x M10 Shock Washer ○ 4 x M10 Nyloc Nut ○ 3 x Tek Screw	○ 1 x FPTLC76A0712 Fill Pipe ○ 1 x TFTLC76A Twin Filler ○ 3 x C8 Saddles ○ 3 x C10 Saddles ○ 8 x Shock Rubbers ○ 1 x TLC76CA Front Sec Bracket ○ 1 x TLC76CA Rear Sec Bracket
Hose Clamps:	**Hose:**
○ 6 x 1/4 ○ 4 x 5/8 ○ 1 x ½ ○ 4 x 1 ¼ ○ 1 x 16mm P Clip	○ 1 x 6mm Hose @ 1250mm ○ 1 x 8mm Hose @ 400mm ○ 1 x 8mm Hose @ 1200mm ○ 1 x 10mm Hose @ 640mm ○ 1 x 12mm Hose @ 640mm ○ 1 x 38mm Hose @ 90mm ○ 1 x 38mm Hose @ 325mm ○ 1 x 16mm NTP Hose @ 300mm ○ 1 x 16mm NTP Hose @1750mm ○ 1 x CF20 Conduflex @ 1550mm ○ 1 x 16mm Conduflex @ 640mm ○ 1 x 20mm Conduflex @ 640mm

Pumps & Filters: o 1 x Fuel Pump With Screen o 1 x Fuel Pump Mounting Plate	Cable Ties: o 12 x 7” Cable Ties o 3 x 11” Cable Ties o 1 x 14” Cable Tie
Sender: o 1 x 0-90 OHM Sender unit C/W 700mm Earth, Installed using: - 5 x M5 x 10 Pan Heads - 5 x M5 Spring Washers	14 Pages of Fitting Instructions Consisting of: o 3 x Pages Fitting Instructions o 2 x Pages Fitting Kit Contents o 8 x Pages Fitting Instruction Pics o 1 x Page WDSGPG210 Wiring Diagram

Kit Packed By_____ Checked By _____

PIC 1EM

PIC 2EM


TRIM THIS BRACKET FROM FLOOR PAN
ALONG WITH THE THREE MUFFLER HEAT
SHIELD BRACKETS

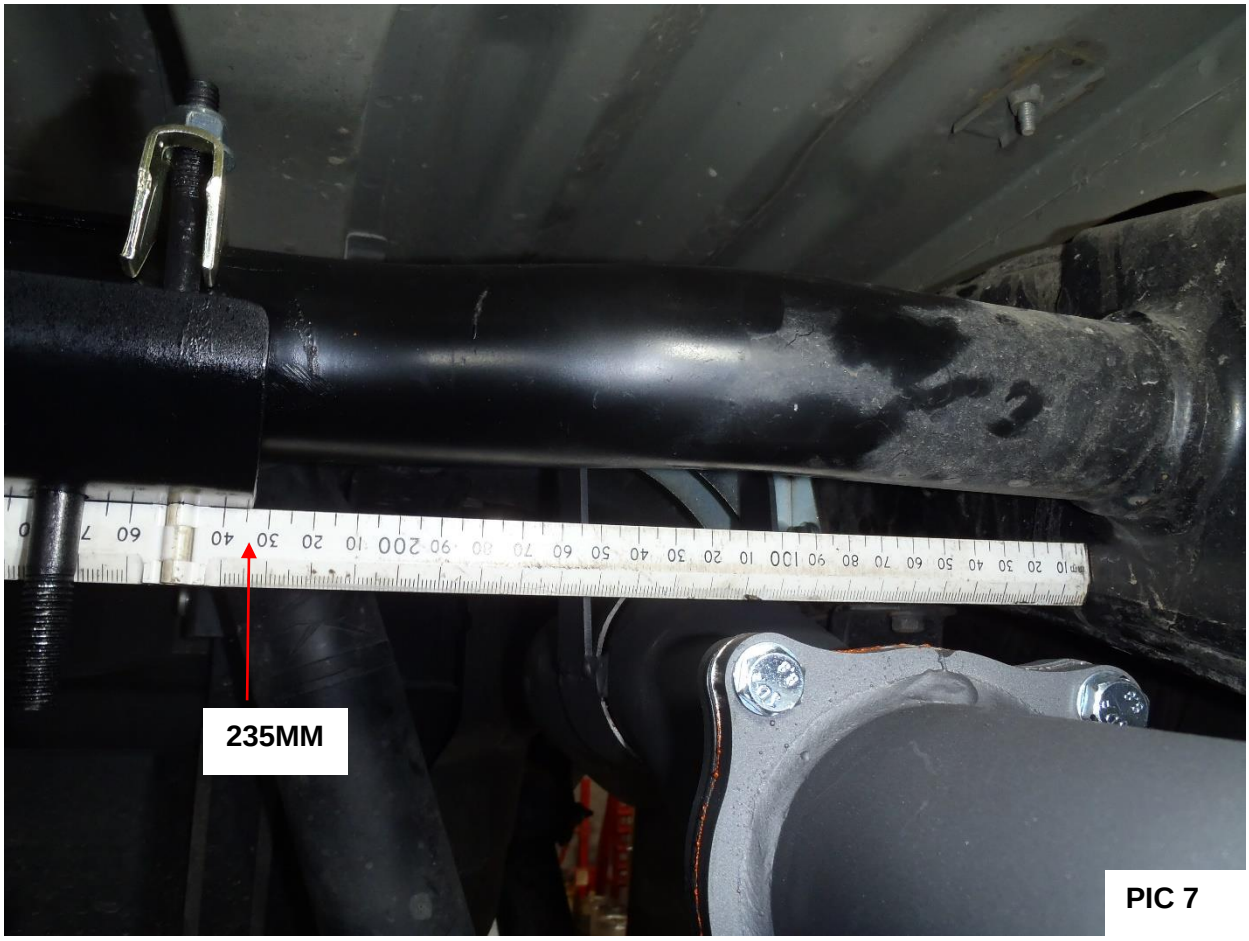
PIC 3


5517-1

PIC 4

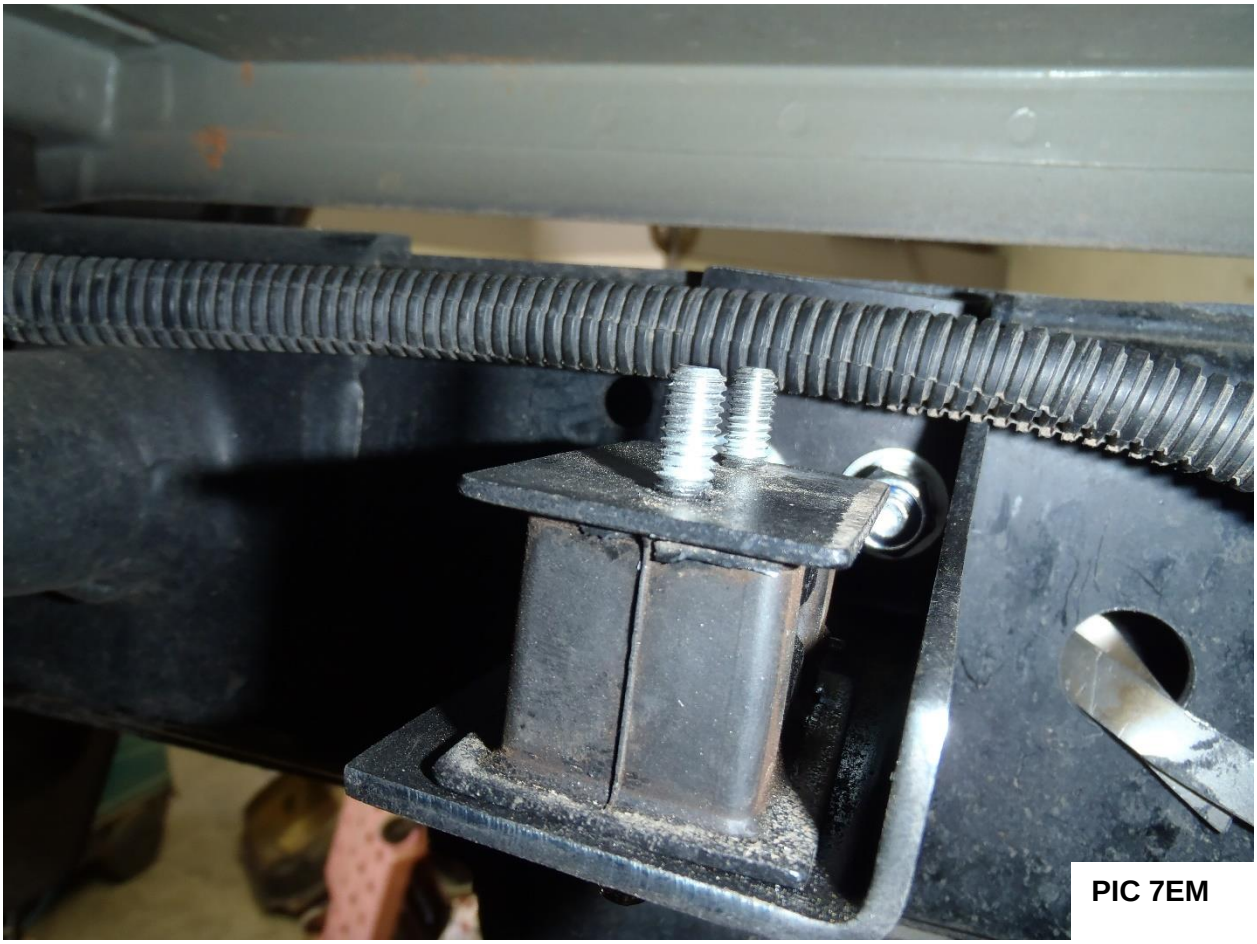
PIC 5

PIC 6



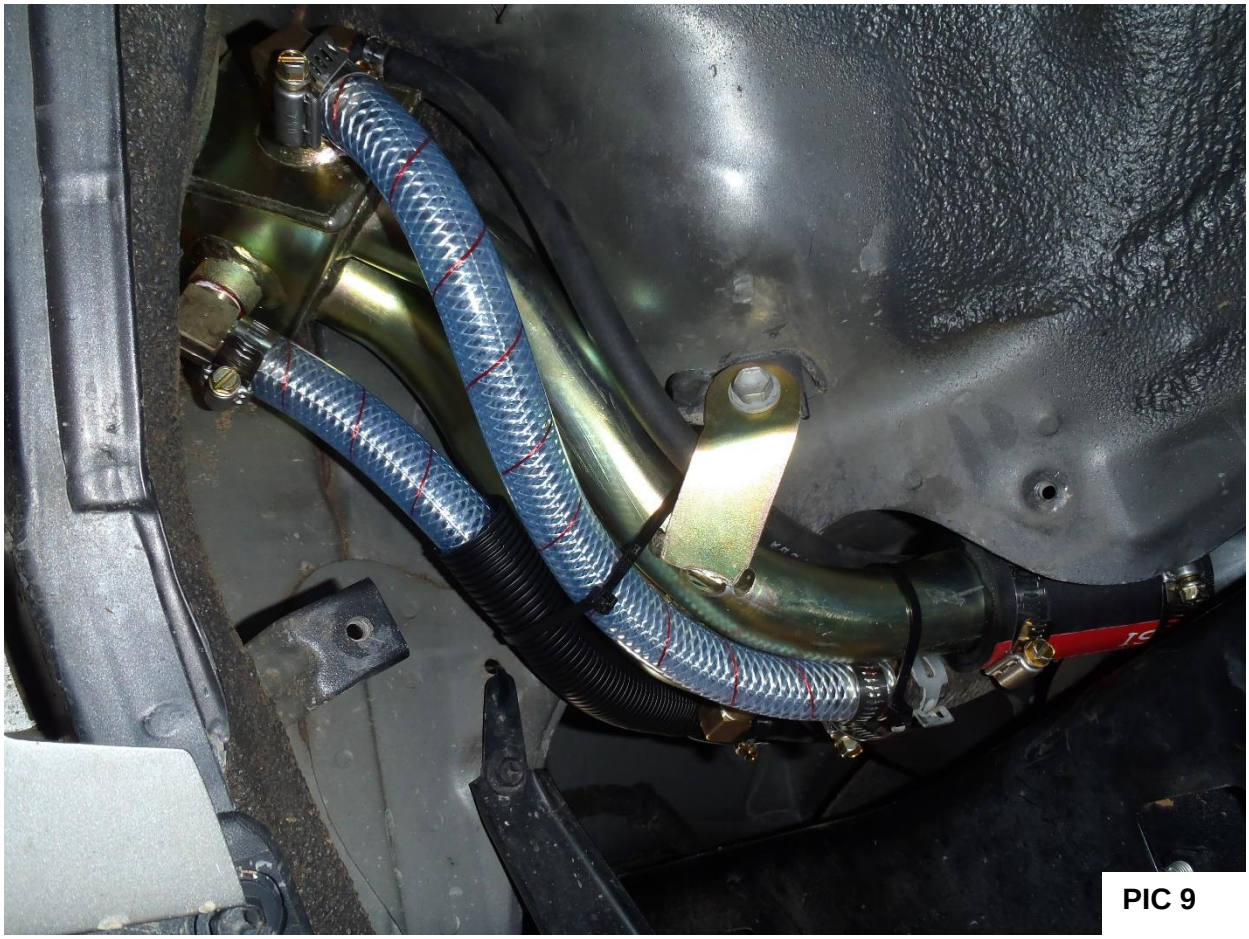
PIC 7

PIC 6EM



PIC 7EM

PIC 8



PIC 9

PIC 10

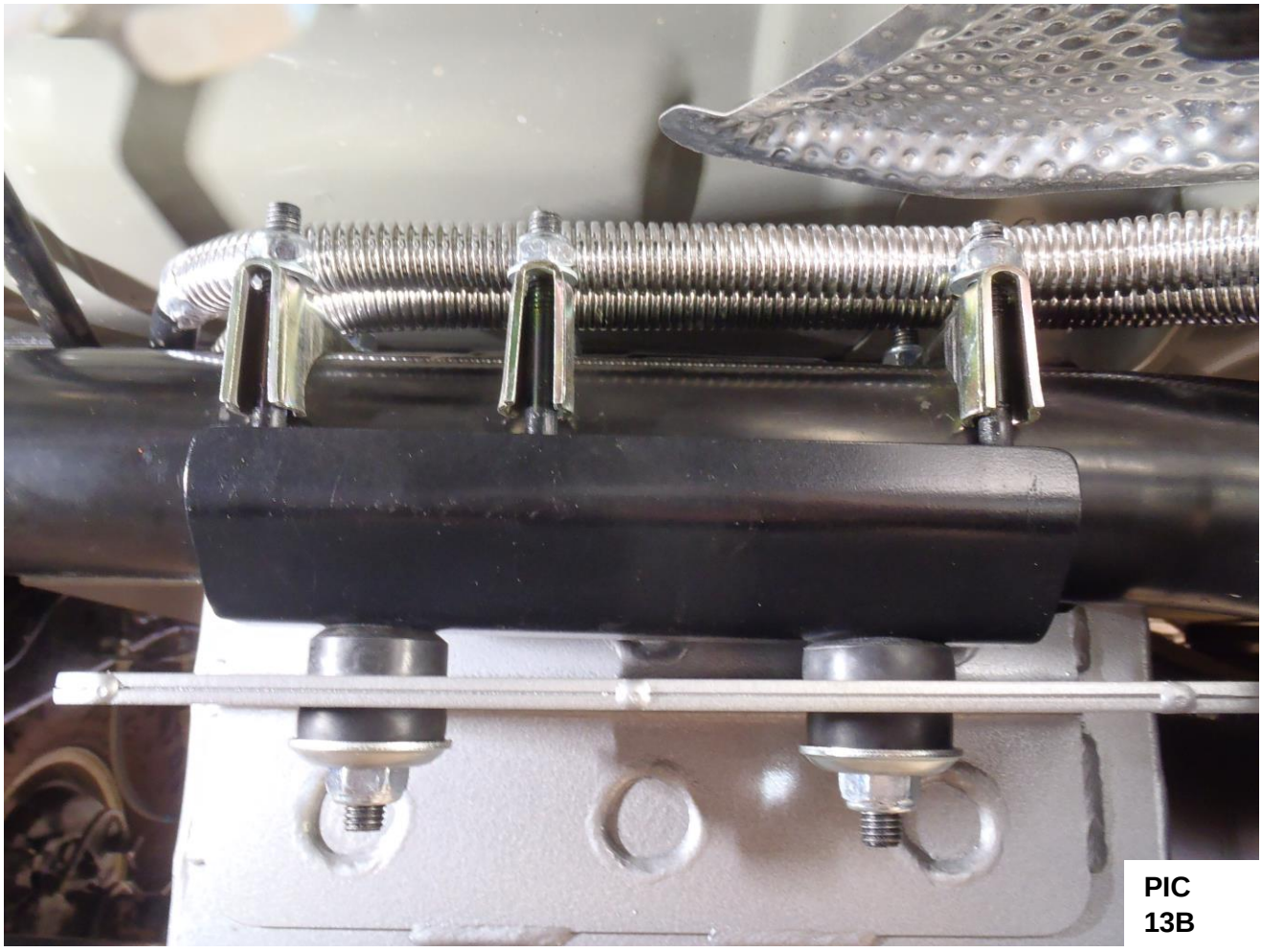
PIC 11
Before

PIC 11

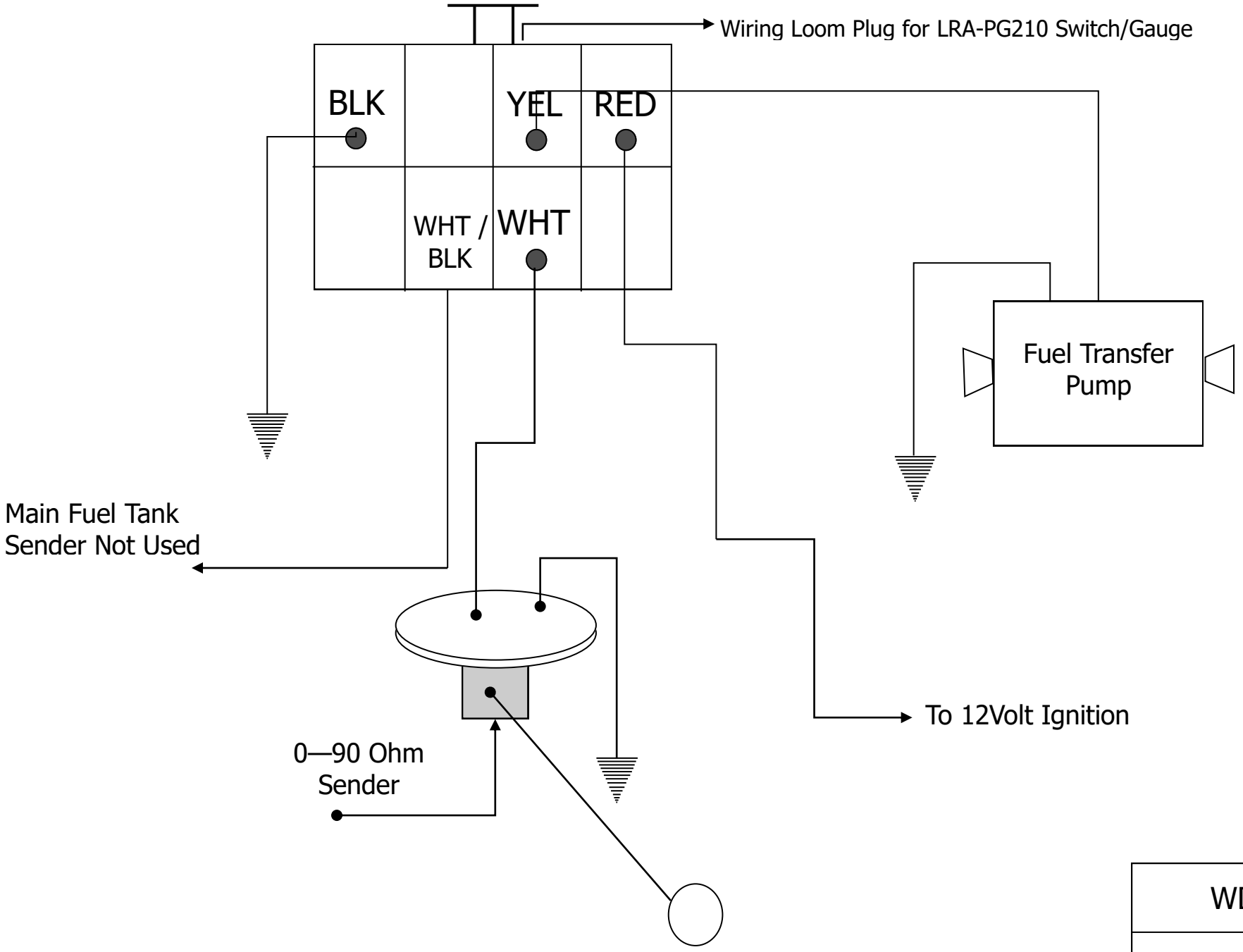
After

PIC 12

PIC
13A



PIC
13B


Wiring Loom Plug for LRA-PG210 Switch/Gauge
BLK
YEL
RED
WHT / BLK
WHT
Fuel Transfer Pump
Main Fuel Tank Sender Not Used
To 12Volt Ignition
0—90 Ohm Sender

WDSGPG210