Installation Instructions for TLC79DCA
Toyota Landcruiser VDJ79 Series
90L Auxiliary Tank

1. Carry out wiring of the PG210 switch gauge unit, suggested switch 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 plates and out through the small grommet that is in the RH rear corner of the cabin floor.

2. Exhaust
   Measure 20mm from the front of the exhaust hanger bracket near the LH rear shocker and cut the tail pipe at this point. Remove the standard muffler and short flanged pipe section from the system. Remove the muffler shield. Drill one new 6.5mm hole in the top of the cross member **(Refer Pic 1).** Fit the new muffler bracket to the original rubber mount bolt in new position. Sit the new muffler in position slipping the rear pipe section over the tail pipe section in place, check all clearances and then tack weld rear join and remove muffler and tail pipe for welding. Reassemble exhaust system.

3. Fit the rear mounting bar on top of the chassis rail just forward of the muffler mount. Disconnect the park brake cable from the diff and centre support and pull forward out of the way. (Cable will end up passing through the tube in the centre of the tank). Remove the fuel line shield from the cross member and trim one mounting tab **(Refer Pic 2).** Remove wiring loom plug mount from RHS and bend at 90o refit in position with M10 nut as spacer **(Refer Pic 3).**

4. Screw the fittings in tank P3 1/4 x 1/8 straight into expansion box, P3 1/2 x 3/8 straight into the fitting next to the filter neck, P6 5/16 x 1/4 elbow into the rear of the tank pointing to the RHS. Bolt the RH front secondary bracket into position using one of the M8 bolts from the cable bracket and M10 x 30 Bolt washer and Nyloc **(Refer Pic 4).**

5. Mount the fuel transfer pump to the mounting bracket and bolt in position above the rear diff using the wiring loom bolt (Refer Pic 5). Complete the wiring leaving the correct length for the sender unit wire.

6. Lift the tank into position, the two front brackets sit on top of the cross member and the secondary new bracket. Adjust position of the rear mounting bar so the tank fits on to the M10 studs. Bolt tank in position with 2 x M8 x 25 bolt spring and flat washers on the front LHS and M10 x 30 bolt and washers for the front RHS. Use the 2 x M10 cup washers, urethane bushes and M10 heavy duty washers with M10 nyloc nuts for the rear (Refer Pic 6). Ensure the rear mounting bar is sitting flush with the top of the chassis rail and drill the mount tabs at 10.5 then feed nut plates through the hole in the chassis rail and bolt with M10 x 30 bolds spring and flat washers.

7. Connect fuel pick up with filter in line to inlet side of the transfer pump. Fix line to the cross member with P Clip and Tek screw. Fit the 16 x 8" tee into the fast fill vent line from the rear fuel tank, connect this to the outlet side of the transfer pump (Refer Pic 7). Fit the 6mm tee into the vent line from the rear tank. Connect this to the expansion box of the auxiliary tank. Mount the filler neck to the tray with the mount plate provided. You may need to shorten the bracket and put a bend in it to suit the type of tray. Connect the fill and fast fill hoses to the filler neck.

8. Remove and discard the two brackets from the park brake cable (Ref pic). Carefully open up the bend in the bracket that bolts to the centre of the rear of the diff. Feed the cable back down through the tube in the tank and reconnect to the diff (refit bracket to cable for centre diff cable guide). Put a new 90 degree bend in the front cable guide bracket and cut the first bend off. Drill a new 8.5mm hole in bracket and bolt to floor pan M8 cage nut in front of the tank. Check over all hoses and wiring connections, add some fuel to the auxiliary tank and check the transfer pump operation.

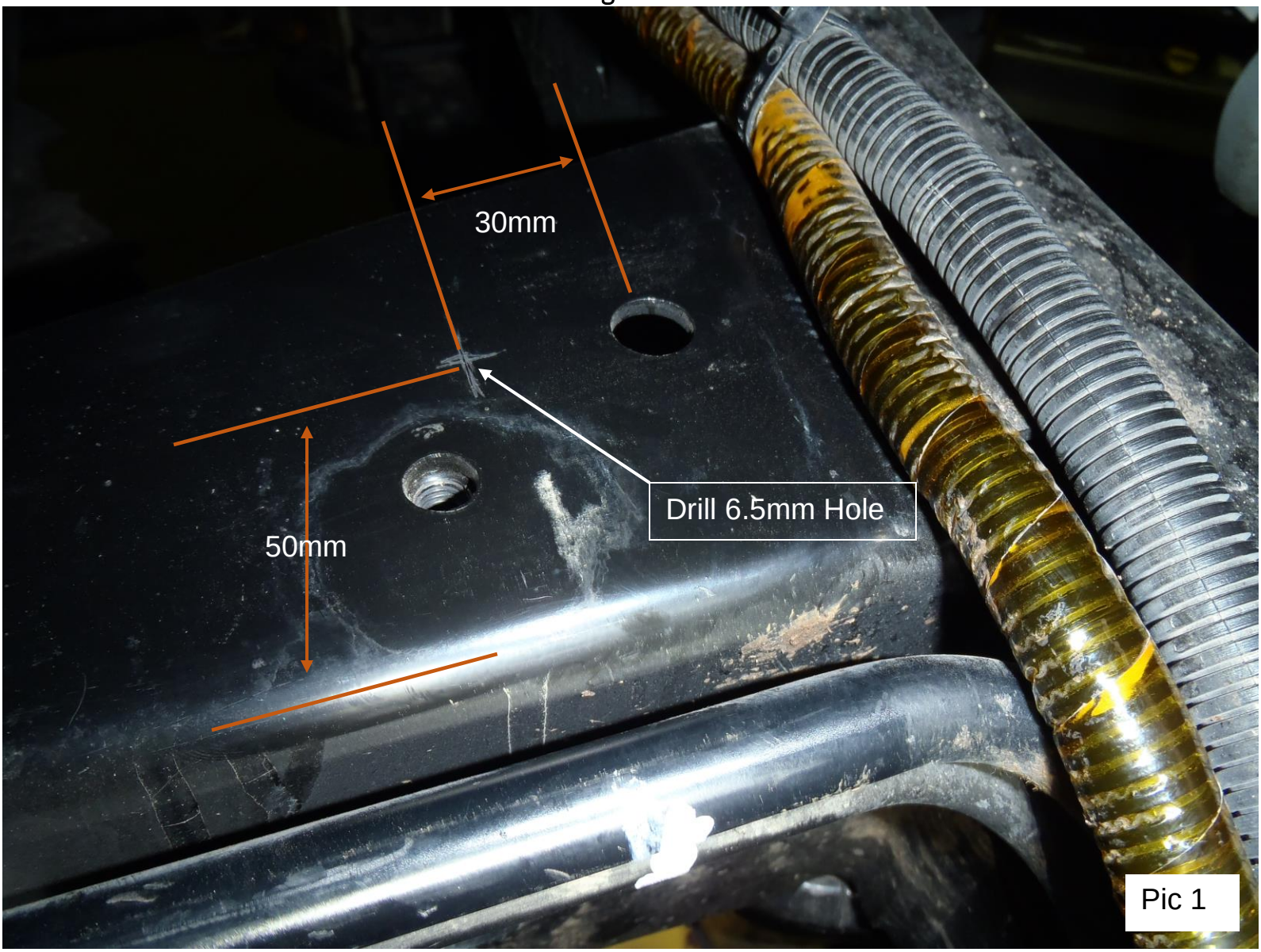
FITTING KIT CONTENTS TLC79DCA

Brass:	Electrical:
○ 1 x P6 5/16 x 1/4 8mm Elbow ○ 1 x P3 1/2 x 3/8 12mm Straight ○ 1 x P6 1/2 x 3/8 12mm Elbow (for filler neck) ○ 1 x P3 1/4 x 1/8 6mm Straight ○ 1 x P14 1/4 x 1/4 6mm Tee ○ 1 x 16mm x 8mm reducing tee	○ 1 x LRA-PG210 Switch gauge ○ 1 x 3mm 2 core wire @4000mm ○ 1 x 4mm Single core Blue Wire @300mm ○ 1 x 3mm Single core Red Wire@300mm ○ 1 x 5AMP Fuse ○ 1 x Fuse Holder ○ 2 x Fuse Holder Terminals ○ 2 x Red insulated terminal ○ 2 x 5mm Red earth eye ○ 1 x 6mm Blue earth eye ○ 1 x Red male terminal ○ 2 x 3mm Heat shrink @30mm
Bolts / Nuts:	**Misc Parts:**
○ 4 x M10 x 30mm bolt ○ 4 x M10 nyloc nut ○ 1 x M10 plain nut ○ 2 x M10 x 27mm Heavy Duty washers ○ 6 x M10 x 25mm washers ○ 2 x M10 Spring Washers ○ 2 x M10 Cup Washers ○ 2 x M8 x 25 bolts ○ 2 x M8 Flat Washers ○ 2 x M8 Spring Washers ○ 3 x M5 x 12 Pan Head Screws ○ 3 x M5 Nuts ○ 2 x M6 x 16 Bolts ○ 2 x M6 Nyloc Nuts ○ 2 x M6 Washer	○ 1 x 44mm Straight Filler Neck #FNStraight ○ 1 x Diesel Locking Cap ○ 1 x Filler neck mounting plate ○ 1 x Front secondary bracket ○ 1 x Rear cross member c/w bolts welded on ○ 2 x EP3518 Urethane Bushes ○ 2 x 30x25 plate with M10 nut & 300mm wire attached

Hose Clamps:	Hose:
○ 6 x 1/4"Hose clamp ○ 2 x 1/2” Hose clamp ○ 2 x 1 1/2” Hose clamp ○ 4 x 1/4” Pinch clamp ○ 2 x 5/8” Hose clamp ○ 1 x 16mm P Clip	○ 1 x 6mm Fuel Hose @ 900mm ○ 1 x 8mm Fuel Hose @ 700mm ○ 1 x 8mm Fuel Hose @ 300mm ○ 1 x 12mm Fuel Hose @ 580mm ○ 1 x 44mm Fuel Hose @ 450mm ○ 1 x 6mm Conduflex 1400mm long
Pumps & Filters:	**Cable Ties:**
○ 1 x Fuel Pump & Filter ○ 1 x Fuel Pump mounting Plate	○ 12 x 7” cable ties ○ 2 x 11” cable ties
Sender:	**12 Pages of Fitting Instructions Consisting of:**
○ 1 x Sender 0-90 OHM C/W 150mm earth Installed With: - 5 x M5 x 10 Pan Heads - 5 x M5 Spring Washers	○ 2 x page fitting instructions ○ 2 x page fitting kit contents ○ 7 x pages reference pictures Fig 1 - 7 ○ 1 x page WDSGPG210

Kit Packed By_____ Checked By _____

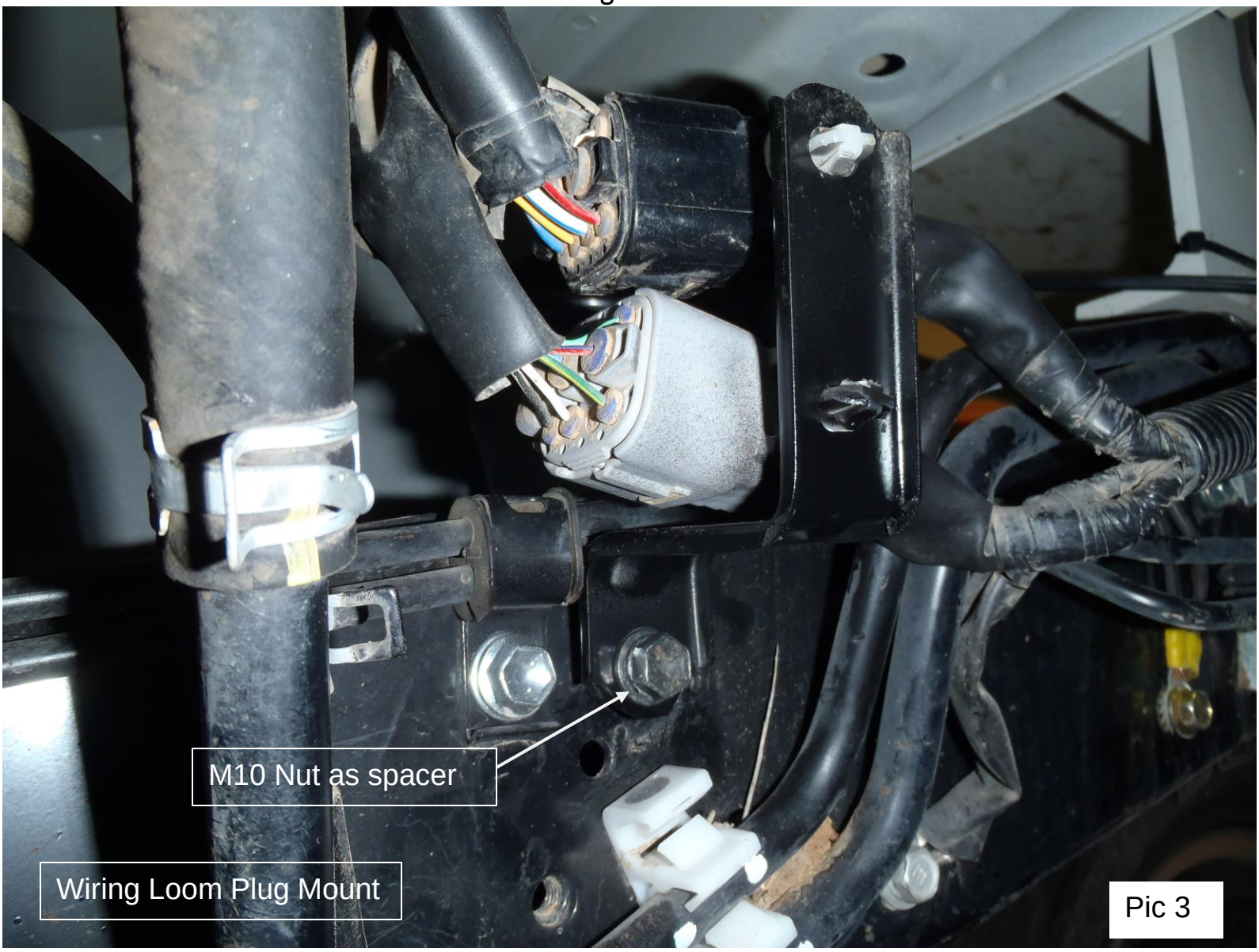
TLC79DCA Fitting Instruction Pictures



TLC79DCA Fitting Instruction Pictures

Pic 2

TLC79DCA Fitting Instruction Pictures



Right Hand Front Secondary Bracket

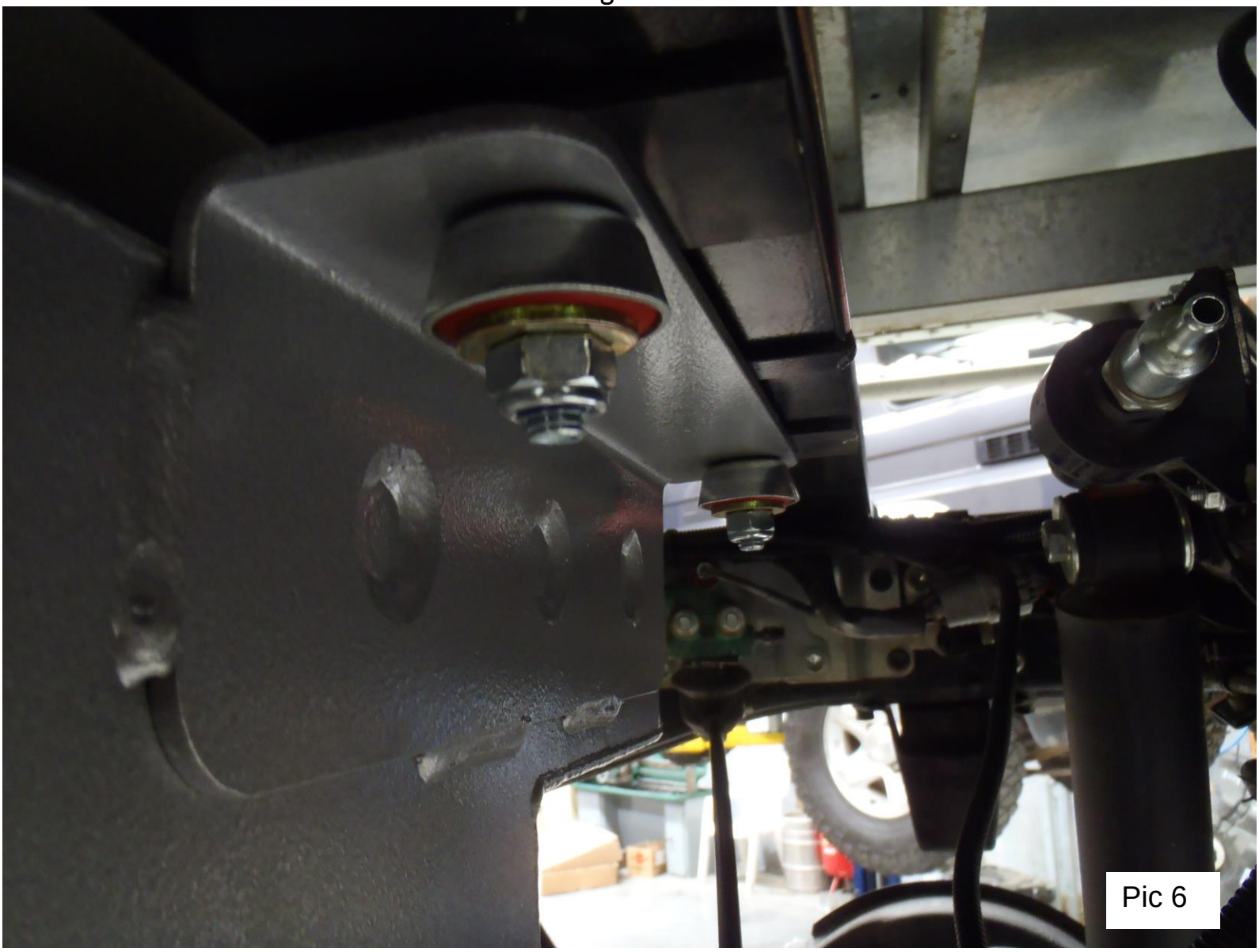
Pic 4

TLC79DCA Fitting Instruction Pictures

Fuel Transfer Pump Mount

Pic 5

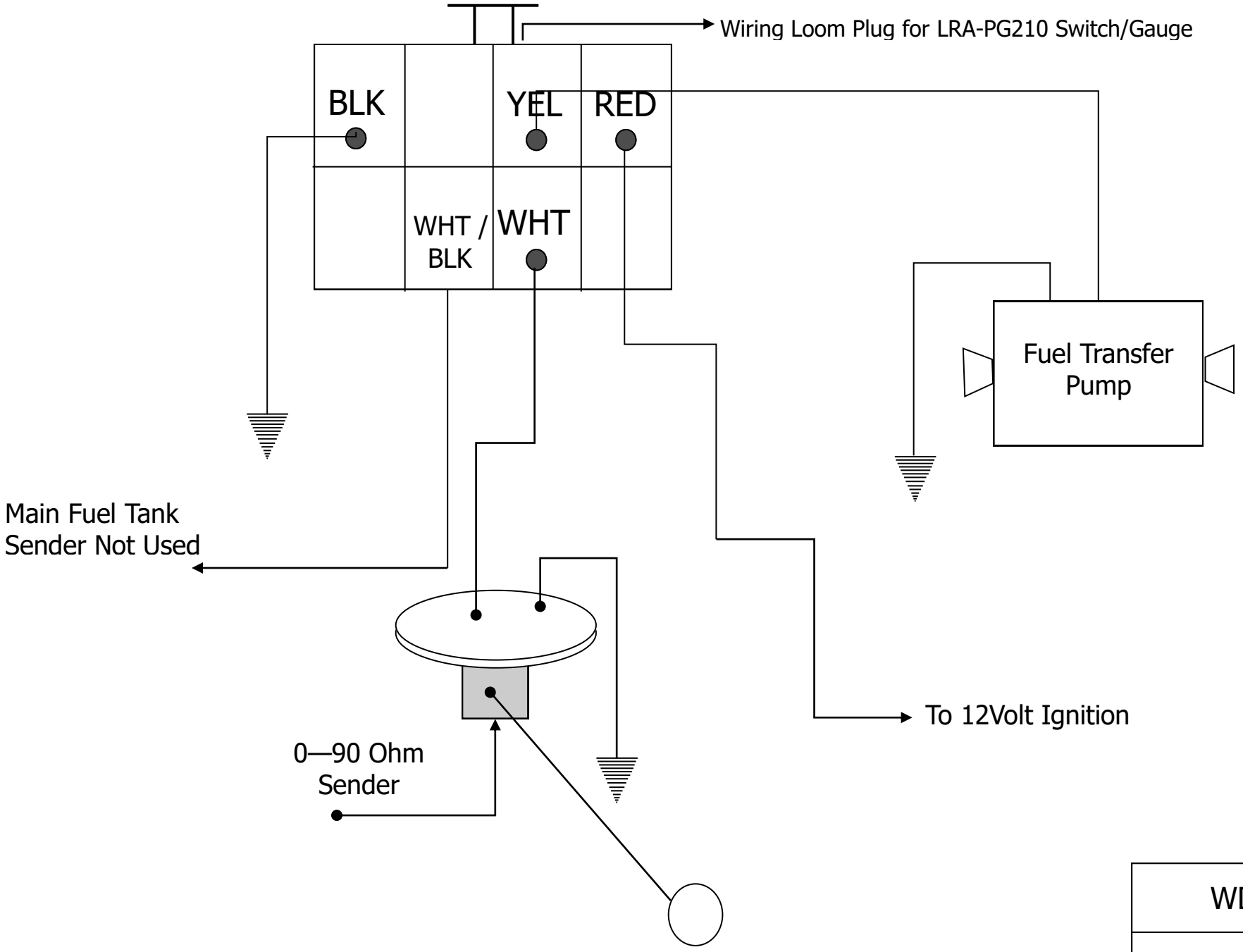
TLC79DCA Fitting Instruction Pictures



TLC79DCA Fitting Instruction Pictures

16mm x 8mm Tee Piece

Pic 7


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