



Installation Instructions for TLC79SCA Toyota Landcruiser VDJ79 Series Single Cab Chassis 10/2016 On 90lt Auxiliary Tank

1. Carry out wiring of PG200 switch gauge unit, suggested switch location is in the large rectangle blank on the RHS of the dash. A 12V ignition power 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 (**refer Pic 1**).
2. To make room for the tank and the exhaust modification the fuel lines need to be modified. Cut the fuel pick up line as shown (**refer Pic 2**), carefully bend the pipe so that it points towards the centre of the hole in the cross member. Replace the metal line with 1050mm length of 12mm fuel hose. This line will now lay inside the cross member, cover with CF20 conduflex. Carefully bend the return line closer to the LH chassis rail to clear the exhaust. Cover with 200mm of CF20 Conduflex.
3. Exhaust Modifications require our using TLC79SCAEM
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. Drill two new 6.5mm hole in the top of the cross member (**refer Pic 3a & 3b**). 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.
4. 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). Bend the wiring loom mounts on the RHS closer to the chassis rail for more clearance to the tank.
5. Screw the fittings in tank P3 ¼ x 1/8 straight into expansion box, P3 ½ x 3/8 straight into the fitting next to the filter neck, P5 5/16 x ¼ elbow into the rear of the tank pointing to the RHS.
6. Bolt the LH front secondary bracket in position using the M8 x 25mm bolt washers and Nyloc nut, then drill the two 10.5mm holes in the top of the member and secure with M10 x 30mm bolts washers and Nyloc nuts. Bolt the RH front secondary bracket into position using one M8 x 20mm bolt washer and Nyloc nut and check that it is parallel to the LH bracket, drill the remaining 10.5mm hole and secure with M10 x 30 Bolt washer and nyloc (**refer Pic 4 & 5**).

7. Mount the fuel transfer pump to the mounting bracket and bolt in position above the rear diff using the wiring loom bolt and M8 x 4mm washer as spacer (**refer Pic 6**). Complete the wiring leaving the correct length for the sender unit wire.
8. Lift the tank into position, the two front brackets sit on top of the new secondary brackets. Adjust position of the rear mounting bar so the tank fits on to the M10 studs. Bolt the front of the tank in position with 2 x M10 x 30mm bolts and washers and Nyloc nuts. Use the 2 x M10 cup washers, rubber bushes and M10 heavy duty washers with M10 nyloc nuts for the rear (**refer Pic 7**). 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 bolts spring and flat washers. Check the clearance of the fuel lines to the underside of the RHS cross bar.
9. 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 8**). 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.
10. 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 (**refer Pic9**).



FITTING KIT CONTENTS TLC79SCA

Toyota Landcruiser VDJ79 Series Single Cab Chassis 10/2016 On
90lt Auxiliary Tank

| Brass | Electrical |
|--|---|
| <ul style="list-style-type: none"> ○ 1 x P14 1/4 x 1/4 6mm Tee ○ 1 x P6 5/16 x 1/4 8mm Elbow ○ 1 x P3 1/2 x 3/8 12mm Straight ○ 1 x 16mm x 8mm reducing tee ○ 1 x P3 1/4 x 1/8 6mm Straight | <ul style="list-style-type: none"> ○ 1 x 3mm 2 core wire 4000mm long ○ 1 x 3mm single core red @ 300mm ○ 1 x LRA-PG200 Switch gauge ○ 2 x Red insulated terminal ○ 2 x 5mm Red earth eye ○ 1 x 6mm Blue earth eye ○ 2 x 3mm Heat shrink ○ 1 x Red male terminal ○ 1 x Fuse holder and 10amp fuse ○ 1 x 0-90 OHM sender 300mm earth |
| Bolts / Nuts | Misc Parts |
| <ul style="list-style-type: none"> ○ 5 x M5 x 10mm pan head screws ○ 7 x M10 x 30mm bolt ○ 4 x M10 nyloc nut ○ 2 x M10 x 27mm Heavy Duty washers ○ 11 x M10 x 25mm Washers ○ 2 x M10 Spring Washers ○ 2 x M10 Cup Washers ○ 1 x M10 x 20mm Washer ○ 1 x M8 x 25 bolts ○ 1 x M8 x 20 bolt ○ 3 x M8 Flat Washers ○ 1 x M8 x 25mm Washer 4mm ○ 2 x M8 Nyloc Nut ○ 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 | <ul style="list-style-type: none"> ○ 1 x 44mm Straight filler neck & locking cap ○ 1 x Filler neck mounting plate ○ 2 x TLC79SCA Front secondary brackets ○ 1 x Fuel pump mounting bracket ○ 1 x Rear cross member c/w bolts welded on ○ 2 x Rubber bushes ○ 2 x 30x25 plate with M10 nut & 300mm wire attached ○ 1 x 6mm conduflex 1400mm long <p>11 Pages of Fitting Instructions consisting of:</p> <ul style="list-style-type: none"> ○ 2 x page fitting instructions ○ 2 x page fitting kit contents ○ 1 x page TLC79DCAEM kit contents (if required) ○ 1 x page WDSGPG200 ○ 5 x pages reference pictures Fig 1 - 9 |

| | |
|---|--|
| | |
| Hose | Cable Ties |
| <ul style="list-style-type: none"> ○ 1 x 44mm Fuel Hose @ 450mm ○ 1 x 12mm Fuel Hose @ 550mm ○ 1 x 12mm Fuel Hose @ 1050mm ○ 1 x 8mm Fuel Hose @ 300mm ○ 1 x 8mm Fuel Hose @ 700mm ○ 1 x 6mm Fuel Hose @ 900mm ○ 1 x CF20 Conduflex @ 1000mm ○ 1 x CF20 Conduflex @ 200mm | <ul style="list-style-type: none"> ○ 15 x 7" cable ties ○ 2 x 11" cable ties |
| Hose Clams | Filters |
| <ul style="list-style-type: none"> ○ 4 x 1/4" Hose clamp ○ 3 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 | <ul style="list-style-type: none"> ○ 1 x Fuel pump |

Kit Packed By _____

Checked By _____

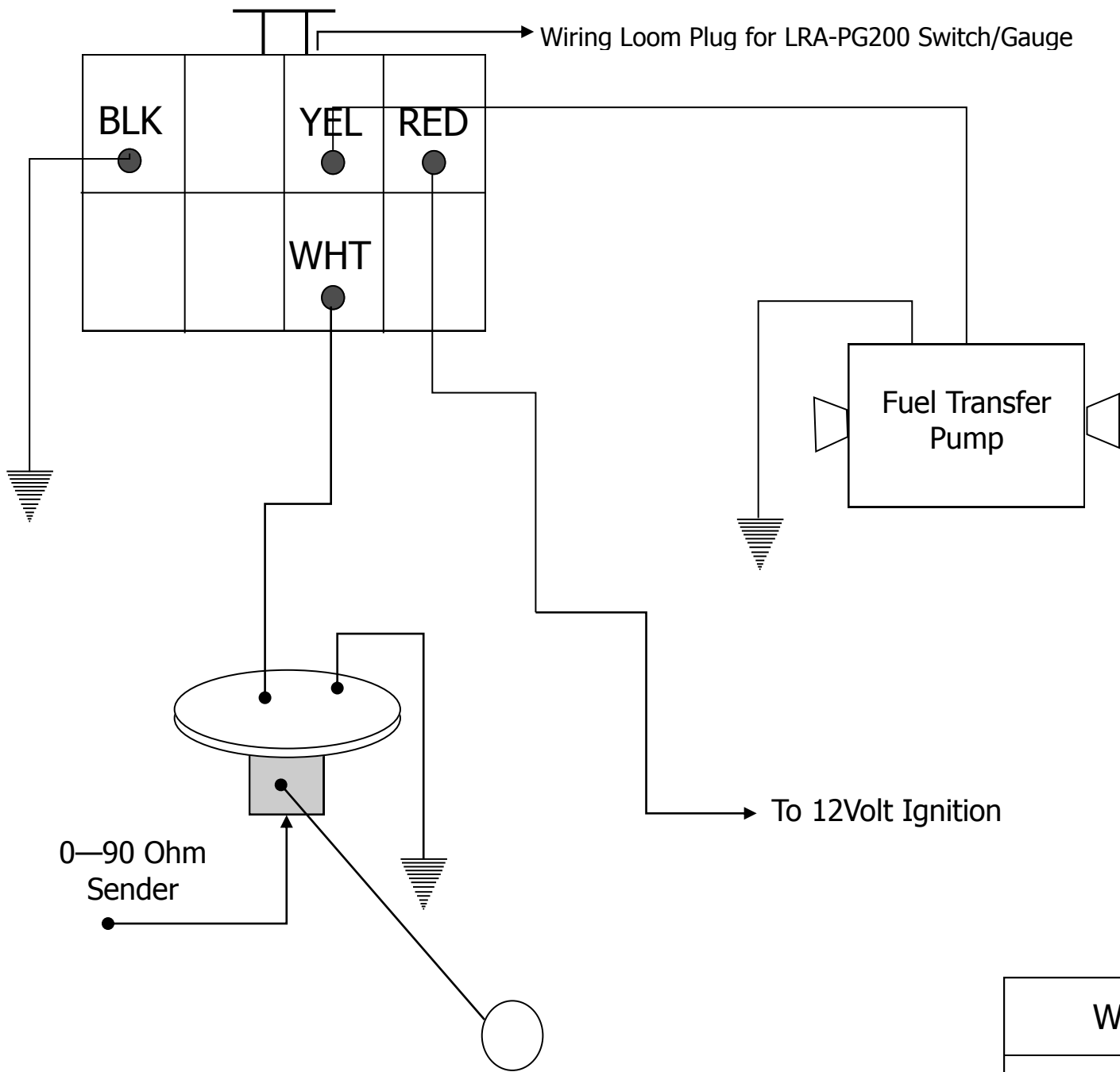


**FITTING KIT CONTENTS TLC79SCAEM
TO SUIT TLC79SCA**

| Bolts / Nuts | Misc Parts |
|--|---|
| <ul style="list-style-type: none">○ 2 x M10 x 30mm Fine Thread bolts | <ul style="list-style-type: none">○ 1 x 3 Hole exhaust flange gasket○ 1 x EMPTLC79DCA Muffler○ 1 x ETLC79DCA Flanged pipe○ 1 x EMMTLC79SCA Muffler mount |

Kit Packed By _____

Checked By _____



| |
|-----------|
| WDSGPG200 |
| |
| |

