1972-1984 Toyota Land Cruiser 40/42 Series 21 Gallon Auxiliary Tank Instructions

Product Information/Install Instructions for

Toyota Tacoma Dual Cab Short/Long Bed

Kit P/N TLC40RA



D. INSTALLATION KIT CONTENTS

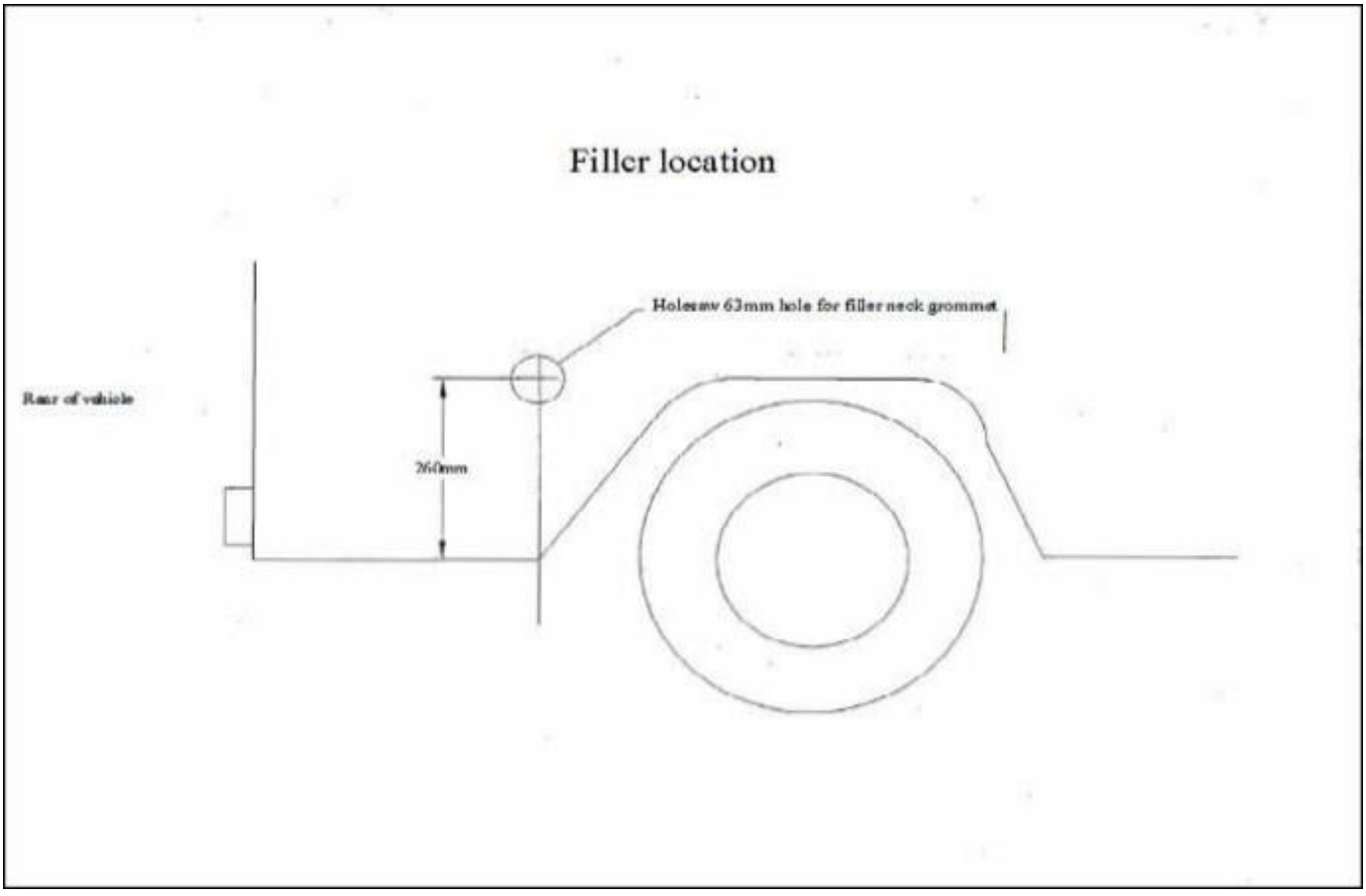
HARDWARE	HOSES & CLAMPS	MISC PARTS
2 x M10 x 30mm Bolt	1 x 44mm Fuel Hose @ 3.94" Long	1 x Filler Neck w/Fast Fill Vent #FNTLC40RA
2 x M10 x 50mm Bolt (use w/ spacer block)	1 x 8mm Fuel Hose @ 47.24" Long	1 x Locking Fuel Cap Petrol/Diesel
2 x M10 Nyloc Nut	1 x 12mm CMP Hose @ 19.69" Long	1 x WZ14 Filter
4 x M10 Washer	1 x 6mm CMP Hose @ 59.06" Long	1 x Filler Neck Mounting Grommet
2 x M8 x 85mm Bolt	10 x 1/4" Hose Clamp	1 x 3 Port Solenoid Valve
2 x M8 x 100mm Bolt (use w/ spacer block)	2 x 1/2" Hose Clamp	1 x Spacer Block @ 100mm x 50mm x 20mm
2 x M8 Nyloc Nut	2 x 1-1/2" Hose Clamp	1 x Spacer Block @ 150mm x 50mm x 20mm
4 x M8 Washer		1 x Spacer Block @ 300mm x 50mm x 20mm
		10 x 7" Cable Tie
BRASS	**ELECTRICAL**	5 x 11" Cable Tie
1 x P3 1/4" x 1/4" 6mm Straight	1 x 220-004 VDO Sender Unit set up in tank w/5 x M5 Pan Head Screw and 10-117 Ohm Board w/15.75" long Earth (ground) wire soldered on	Magnet (for use inside auxiliary tank)
2 x P6 1/2" x 1/4" 12mm Elbow	1 x 10 Amp Fuse & Holder	
1 x P6 5/16" x 1/4" 8mm Elbow	1 x 4mm Single Core Wire @ 39.37" Long	
1 x P14 x 1/4" 6mm Tee	1 x 3mm Five Core Wire @ 39.37" Long	
1 x 1/4" Plug	1 x 3mm Two Core Wire @ 196.85" Long	
	1 x On-Off Switch	
	1 x Change Over Relay	
	6 x Red Insulated Terminal	
	1 x Red Plain Terminal	
	1 x Blue Insulated Terminal	
	3 x Red Earth (ground) Eye	

A. REMOVE EXHAUST SYSTEM

1. Remove section of exhaust system from tank location area (due to vehicle age, exhaust set up will vary from vehicle to vehicle). Revised exhaust to exit on right-hand side in front of rear wheel (parts not supplied in kit, customer-provided).

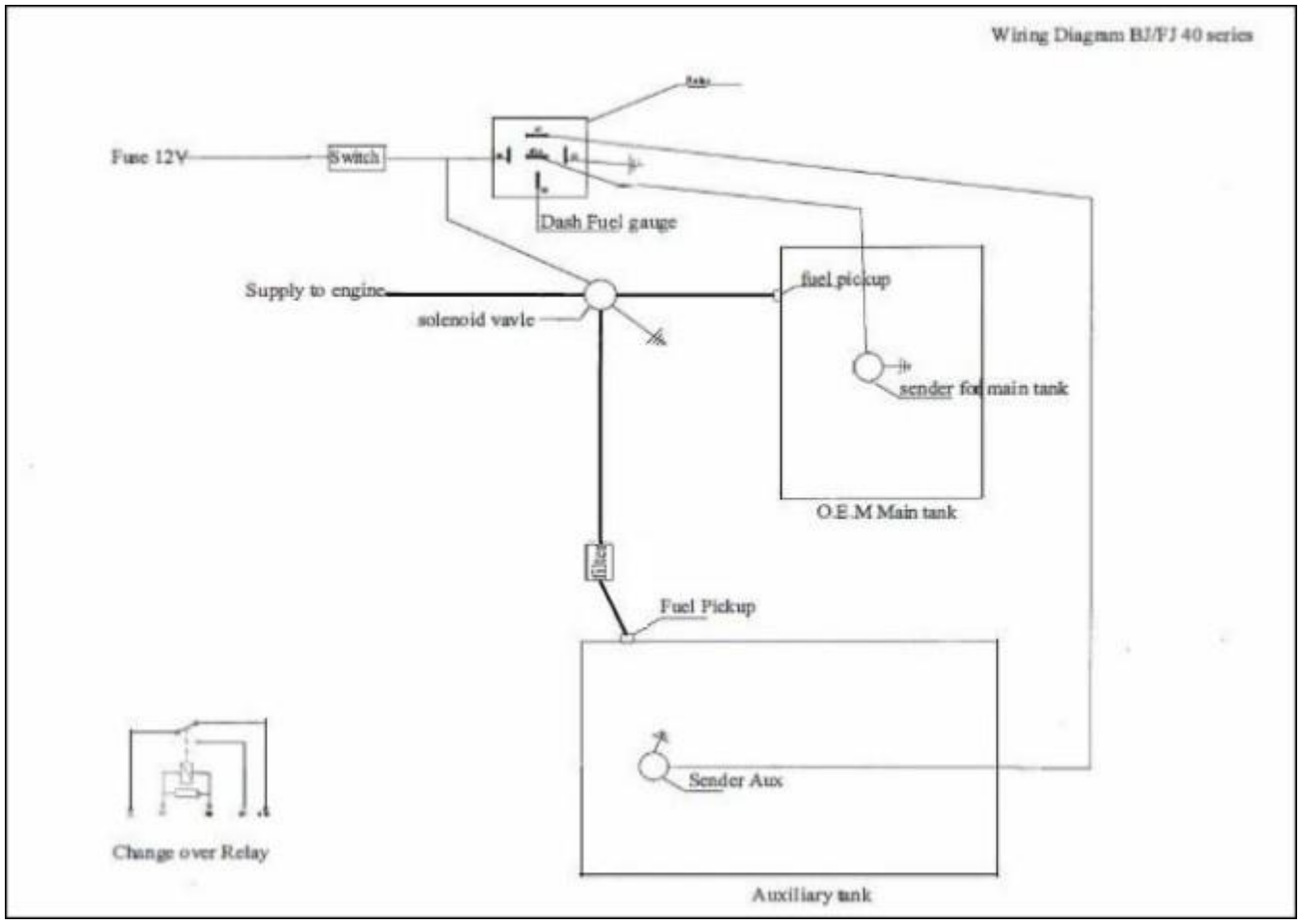
B. CREATE FILL PORT FOR AUXILIARY TANK FILLER

1. Hole saw a 63mm hole in the rear panel for the filler neck grommet as per diagram (included in tank kit):



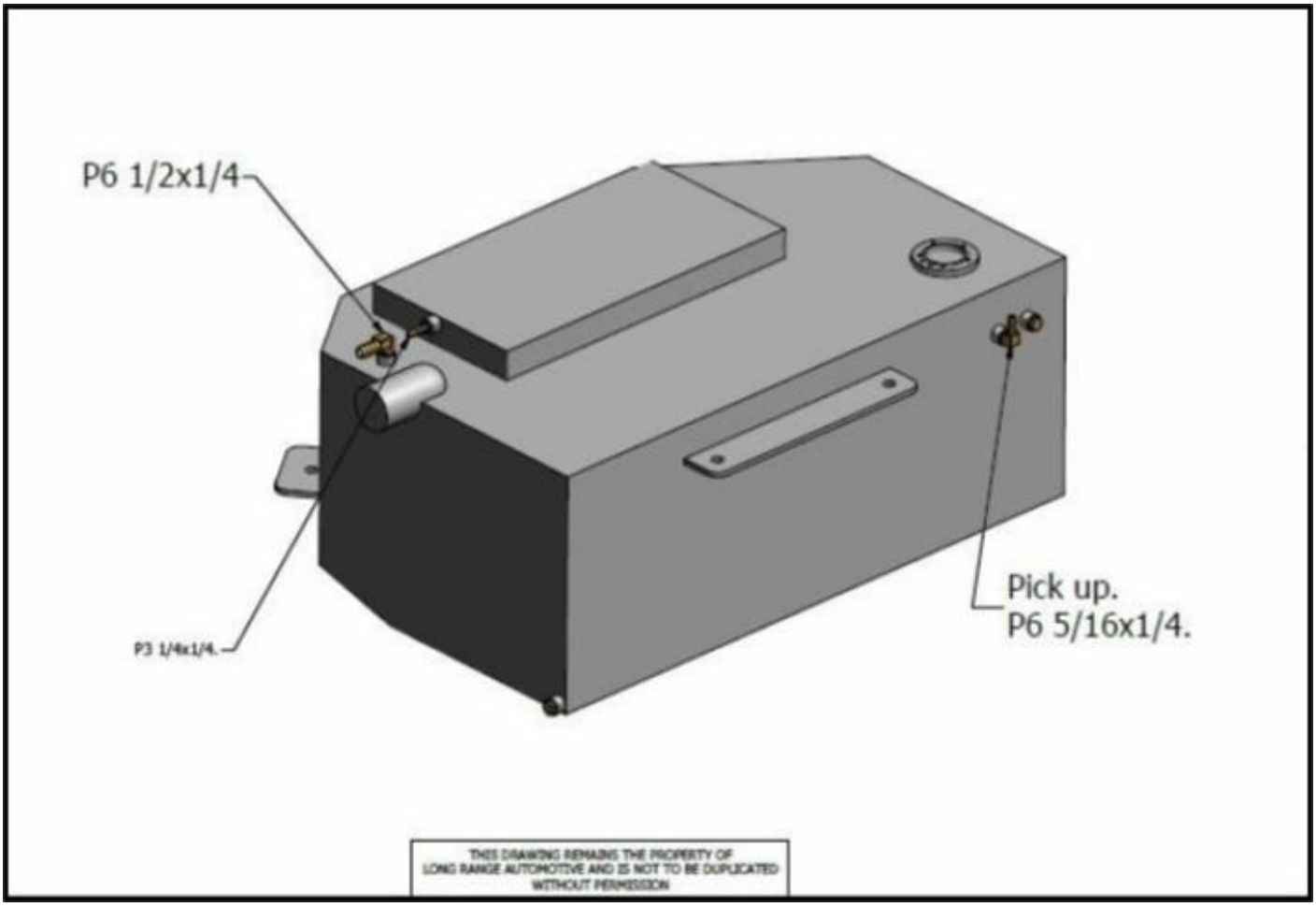
C. WIRING/INSTALLATION

1. Carry out all necessary wiring and installation of switch, relay and solenoid valve per diagram (included in tank kit):



D. SET UP AUXILIARY TANK

1. Drop supplied magnet into tank, as close to fuel pick up point as possible.
2. Screw all fittings into the auxiliary tank as per diagram (included in tank kit):



A. JACK TANK INTO POSITION/CONNECT HOSES & WIRES AND SECURE TANK

1. Safely jack the auxiliary tank into position and secure with bolts and Nyloc nuts. If installing in a 1971-1979 model, you will need to use the spacer blocks and longer bolts, as there is not as much body to chassis clearance as on the later models.
2. Connect auxiliary tank filler to steel filler neck with supplied hose.
3. Connect 19.69-inch long 12mm hose from the 12mm straight barb on auxiliary tank to 12mm fast fill fitting on filler neck.
4. Tee 6mm line from expansion chamber into vent line on original tank.
5. Finish connection of solenoid valve to fuel pickup line with WZ14 filter between valve and pick up.
6. Connect fuel sender wires.

B. FINISH INSTALL

2. Check all clearances and neatly cable tie all hoses and wiring away from any moving parts or heat sources.
3. Reconnect exhaust system (using customer-sourced parts to reroute exhaust).
4. Reconnect vehicle battery.
5. To test, fill main tank half-full, and the auxiliary tank full, check for leaks. Test system operation and make sure the main fuel gauge is working properly for both main and auxiliary tanks when selected.
6. Check again for leaks.

A. Are all hose clamps tight and secure?

B. Are all nuts and bolts secured?

C. Are mounting brackets and straps secure?

D. Are Fuel Gauge Sending Unit bolts secured?

E. Are all fuel lines secure with no kinks?

F. Does tank interfere with, or rub on, other vehicle components?

G. Is tank calibration accurate?

☐ Congratulations! You have completed the install!