# 1988-1989 Toyota Land Cruiser 60 Series (FJ62) 40 Gallon Replacement Tank Instructions

**Product Information/Install Instructions for**

**Toyota Land Cruiser 60 Series (US spec FJ62) Gas**

**Kit P/N TLC62RE**



## D. INSTALLATION KIT CONTENTS

| HARDWARE | HOSES & CLAMPS | MISC PARTS |
|---|---|---|
| 4 x M10 x 30mm Bolt | 1 x 6mm CMP Hose @ 39.37" Long | 1 x 2.5mm Rod @ 145mm Long (to extend float arm) |
| 4 x M10 Nyloc Nut | 1 x 6mm CMP Hose @53.15" Long | FUEL PUMP REWORK PARTS |
| 2 x M10 x 30mm 1.25 Fine Thread Bolt | 1 x 6mm CMP Hose @ 59" Long | 1 x Fuel Pump Extension Plate - 128mm Long |
| 8 x M10 Flat Washer | 1 x 10mm Fuel Hose @ 15.75" Long | 1 x 8mm Bundy Tube @ 118mm Long |
| | 2 x 2" Hose Clamp | 2 x 8mm EFI Hose @ 1.5" Long |
| | 2 x 1/2" Hose Clamp | 4 x EFI Hose Clamp |
| | 8 x 1/4" Hose Clamp | 2 x 1/4" Cable Tie |
| | | 1 x Blue 3mm Wire @ 7" Long w/5mm Eye Terminal crimped at each end |
| | | 1 x Black 3mm Wire @ 5.9" Long w/5mm Eye Terminal crimped at each end |
| | | 2 x M5 x 16mm Pan Head Screw |
| **BRASS** | **ELECTRICAL** | 2 x M5 Nut |
| 2 x P6 1/4" x 1/4" Elbow | | 2 x M5 Washer |
| 1 x P3 1/4" x 1/4" Straight | | Magnet (to be used in new tank) |
| 1 x P3 3/8" x 1/4" Straight | | |
| 1 x P3 1/2" x 1/4" Straight | | |

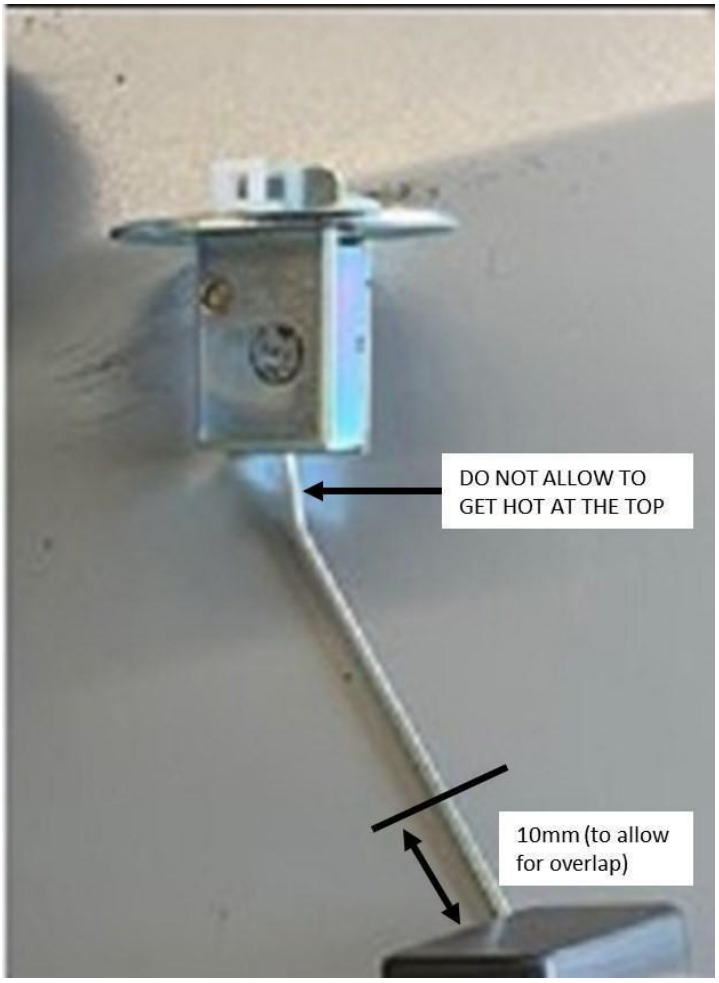
**A. REMOVE FUEL TANK**

1. Remove spare wheel and spare wheel carrier from vehicle. These will not be reinstalled in their original location.
2. Remove OEM fuel tank from vehicle, being careful to disconnect all hoses and wires before dropping the tank down.

**B. PREPARE NEW TANK**

**<u>CAUTION</u>: INSURE THERE IS NO FUEL LEFT IN/ON THE ASSEMBLY AND FUMES HAVE EVAPORATED BEFORE SOLDERING!**

1. Remove sender unit from OEM fuel tank.
2. Extend float arm by 125mm using the rod included in the Installation Kit (the rod in the install kit is 145mm long to allow for a 10mm (0.4-inch) overlap on each joint). **NOTE: DO NOT OVERHEAT THE UPPER ROD WHEN SOLDERING, THE CIRCUIT IN THE SENDING UNIT HEAD CAN BE DAMAGED.**



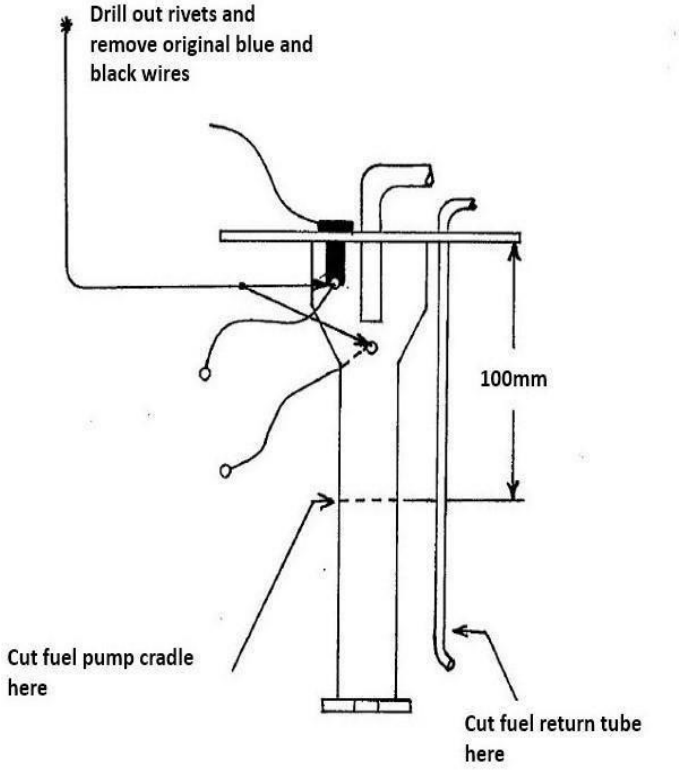
**PREPARE NEW TANK *(continued)***

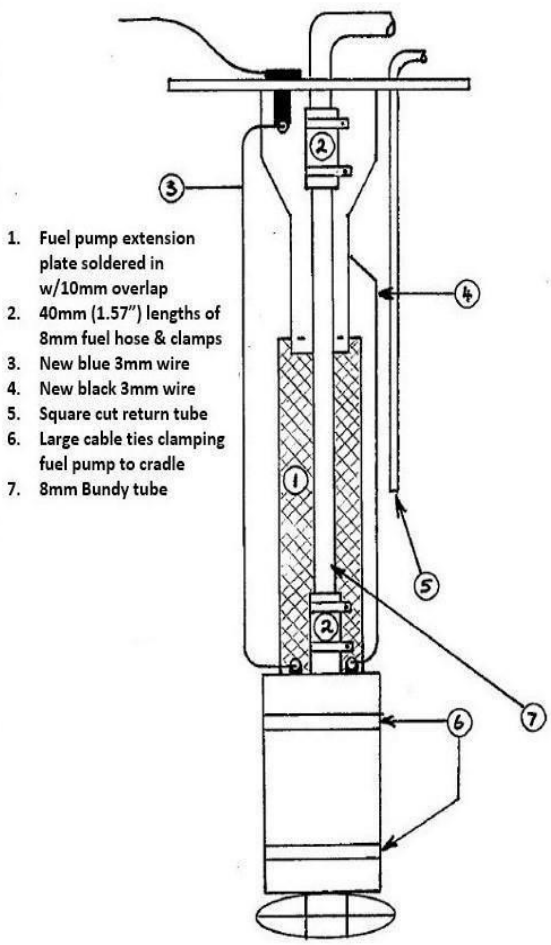
1. Drop supplied magnet into the tank, and locate as close to the fuel pickup point as possible.
2. Fit sender to new tank and check full/empty travel of float arm.
3. Screw brass fittings into tank as per diagram on page 8.

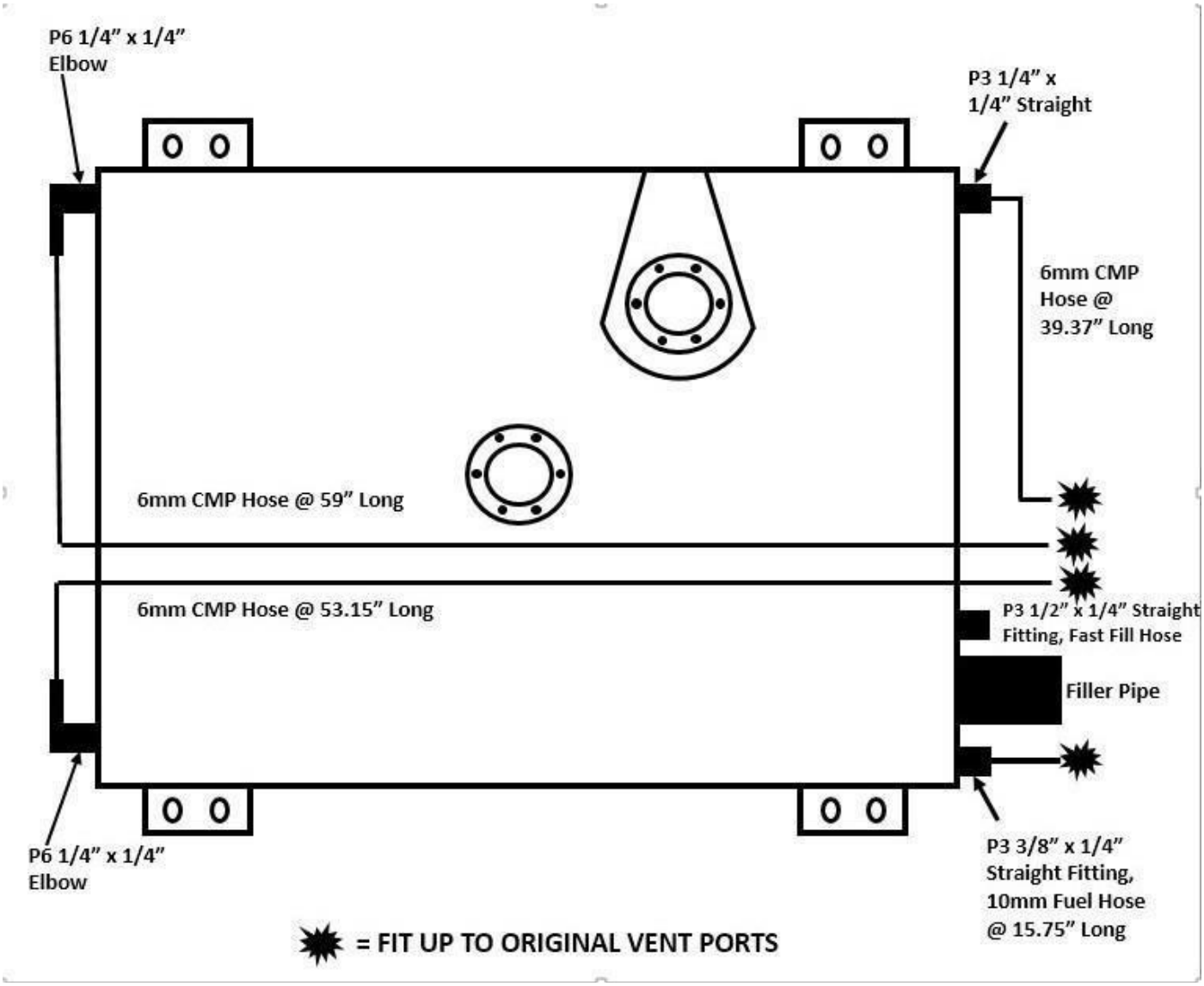
**C. REWORK FUEL PUMP CRADLE**

1. Rework fuel pump cradle as per diagram below.
2. Ensure both overlap joints onto extension plate are 10mm to obtain correct length when assembled.
3. After removing original black and blue wires, use M5 pan head screws, nuts and washers to fit new wires to the original points.

## 60 SERIES FUEL PUMP REWORK




P6 1/4" x 1/4"
Elbow
P3 1/4" x
1/4" Straight
6mm CMP
Hose @
39.37" Long
6mm CMP Hose @ 59" Long
6mm CMP Hose @ 53.15" Long
P3 1/2" x 1/4" Straight
Fitting, Fast Fill Hose
Filler Pipe
P6 1/4" x 1/4"
Elbow
P3 3/8" x 1/4"
Straight Fitting,
10mm Fuel Hose
@ 15.75" Long
= FIT UP TO ORIGINAL VENT PORTS

**A. PUT NEW TANK INTO POSITION/CONNECT HOSES AND WIRES**

1. Bolt the two new secondary brackets from the install kit into position of the original rear tank strap mounting holes.
2. Safely lift new tank into position, connecting the OEM filler pipe to the tank filler inlet and connecting the sender unit wires as it is lifted. Before tank is all the way in place, feed the 6mm vent hoses from the left- hand side of the tank over the top of the tank to the right-hand side (be careful that the hoses do not get pinched between the tank and the floor pan braces).
3. Secure the front of the tank with the original bolts and the rear of the tank with the new M10 x 30mm bolts and Nyloc nuts.
4. Finish connecting all other hoses as per diagram on page 8.

**B. FINISH INSTALLATION**

1. Check all clearances and neatly cable tie all hoses and wiring
2. Check all hose clamps and bolts for tightness.
3. Reconnect vehicle battery.
4. Fill with fuel and check all hoses and fittings for leaks. **DO NOT OVERFILL OR "TOP OFF" TANK WHEN FILLING, DAMAGE TO YOUR EMISSION SYSTEM MAY RESULT.**
5. Reconnect vehicle battery.
6. Check again for leaks after first 50 miles.

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!**