



LONG RANGE AUTOMOTIVE

Installation Instructions for FRDCPXR Ford PX & PX II Ranger / Mazda BT50 140lt Replacement Tank

NOTE: Vehicles 2011 - March 2013 have a bolt in park brake cable assembly April 2013 on has the brackets welded in place. For the late model, not all references to the cable bracket apply.

1. Remove the standard fuel tank, taking note of where the vent lines clip on and around the fill hose. Unbolt the two M8 bolts that hold the park brake assembly to the center cross member and move to the RHS side temporarily.

Mount the new center cross member secondary bracket on top of the cross member with 2 x M10 x 40mm, 1 x M10 x 50mm bolt (use M10 x 20mm washer on top) and one of the original M8 bolts with washers and Nyloc nuts. **NOTE: To fit this bracket in position place bracket over the top of the front of the driveshaft and feed backwards above the center bearing.**

Bolt the park brake cable bracket back to this new mount with M8 Nyloc nut and washer and M8 x 65mm bolt with 45mm long tube spacer back to the original mount and fit lock nut. **(Ref FRDCPXR Centre Secondary Bracket Pic 1 & 2)**

2. Bolt the new L/H secondary bracket in place using one of the original strap bolts and two M10 x 30mm bolts with spring and flat washers. Use the two M10 nuts with straps attached to go through the hole in the outside of the chassis rail. **(Ref FRDCPXR Left Hand Secondary Bracket Pic 1 & 2)**
3. Unbolt the L/H Rear Park brake cable bracket from the inside of the mount which it is bolted to, above the rear drive shaft. This will give more clearance to the side of the tank while fitting. Replace this bolt after the tank is installed.
4. Remove the fuel pick up assembly from the OE tank. Place the fuel pick up assembly on a 20mm thick block, you will notice the float is 10mm from the base with the unit sitting on the 20mm block. Carefully open the last bend in the float arm until the float just touches the base. **(Ref FRDCPXR Float)** Remove the pickup line from the tank, this will be reused. Cover this line with 1250mm of CF13 Conduflex. You will need the bayonet clip ends from the return line, carefully cut the plastic line to remove the fittings and use with 650mm length of 8mm EFI hose and clamps. Cover this line with 600mm of CF16 Conduflex.



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5. Screw the P6 5/8 x 3/8 elbow into the tank pointing towards the LHS and slightly to the rear. Fit the grommet and the rollover valve into the tank and fit 300mm length of 8mm hose. Fit the fuel pump assembly using the OE O/Ring and the new hold down ring, secure with M5 x 8mm cap screws with washers.
6. Cut 35mm from the tank end of the fill hose and 100mm from the filler neck end of the fast fill hose. Fit these hoses to the tank. While lifting the tank into position, guide the pickup line over the front cross member and the return line through the rear tank mounting bracket, connect the sender unit wiring plug. Jack the tank into position and lock up the three bolts, then check that the inboard rear mount contacts the round cross member, there is a 2mm and 3mm spacer plate in the fitting kit that you can use if you have a gap to the cross member. Secure the tank with M10 x 30mm Bolt, M10 U bolt and one original strap bolt together with M10 Nyloc nuts and washers.
7. Connect the 8mm line from the roll over valve to the original ridged plastic line section and clip back to the fill hose. Ensure the diff breather line and filler box drain lines are also fixed in position. Check over all hoses and fittings and re fuel vehicle. Connect the pickup and return lines.



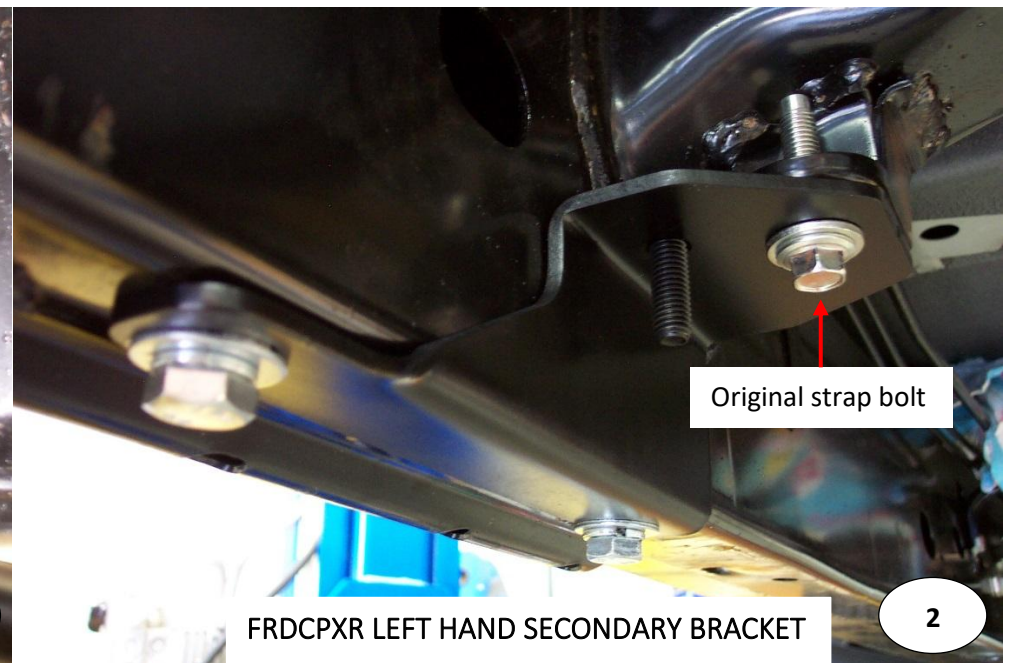
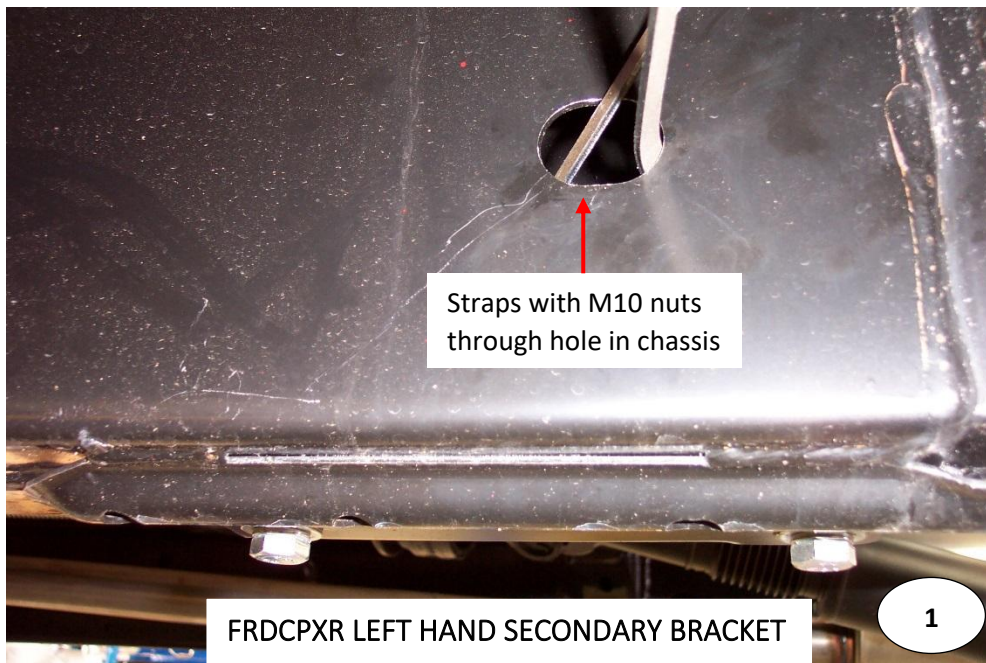
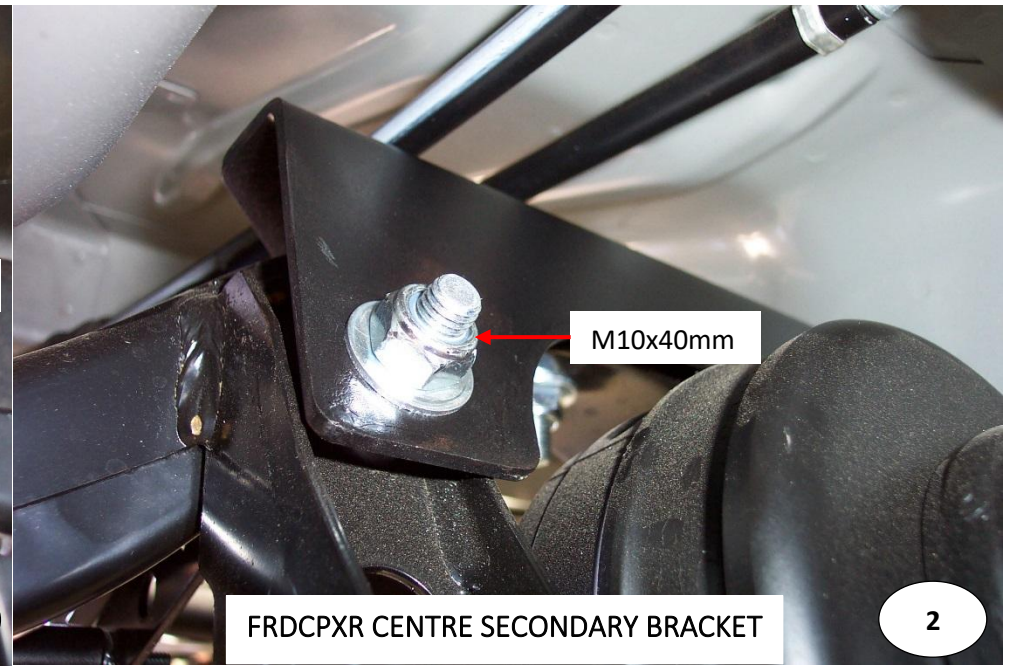
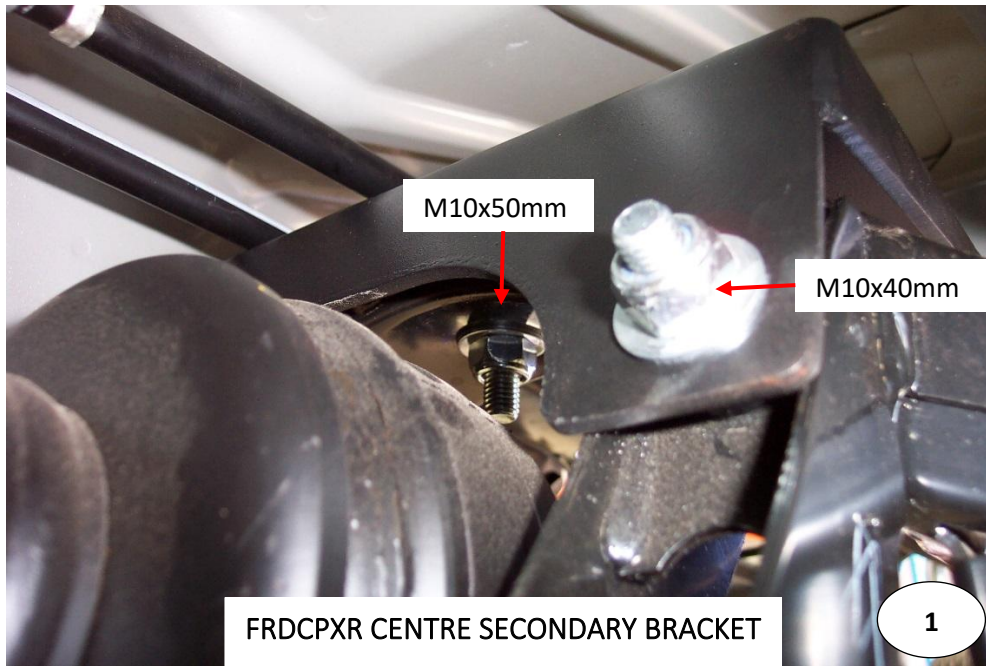
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FITTING KIT CONTENTS FRDCPXR

Brass	Cable Ties
○ 1 x P6 5/8 x 3/8 Elbow	○ 2 x 7" Cable Ties
Bolts / Nuts	Misc. Parts
○ 1 x M8 x 65mm Bolt ○ 3 x M10 x 30mm Bolts ○ 2 x M10 x 40mm Bolts ○ 1 x M10 x 50mm Bolt ○ 2 x M8 x 20mm Washers ○ 12 x M10 x 25mm Washers ○ 1 x M10 x 20mm Washer ○ 2 x M10 Spring Washers ○ 7 x M10 Nyloc Nuts ○ 2 x M8 Nyloc Nuts ○ 6 x M5 x 8mm Cap Screws ○ 6 x M5 Washers ○ 1 x M10 x 95mm x 67mm U Bolt	○ 1 x Roll Over Valve with 8mm Sleeve ○ 1 x Roll Over Grommet ○ 1 x 19mm Tube @ 45mm ○ 2 x M10 Nuts with 200mm Wires ○ 1 x Hold Down Ring ○ 1 x 13mm Conduflex @ 1250mm ○ 1 x 16mm Conduflex @ 600mm ○ 2 x Secondary Brackets ○ 1 x Spacer Plate 2mm ○ 1 x Spacer Plate 3mm
Hose	5 x Pages Instructions Consisting Of:
○ 1 x 8mm Hose @ 300mm ○ 1 x 8mm EFI Hose @ 650mm	○ 2 x Page Fitting Instructions ○ 1 x Page Fitting Kit Contents ○ 1 x Page Secondary Bracket Photos ○ 1 x Page Float Arm Photos
Hose Clamps	
○ 2 x EFI Clamps	

Kit Packed By _____

Checked By _____



FRDCPXR – FLOAT ARM MODIFICATION

