

# KTM 690 ENDURO

## IMPORTANT!

### Pre-fitting Instructions for Safari Fuel Tanks

1. Rinse tank out with a small amount of petrol and then discard the petrol. This needs to be done to remove any plastic trimmings that may be left in the tank after manufacturing.
2. Before attaching the screws and bolts to the brass inserts, insure that an anti-seize compound – grease will do – is applied to the threads. **Do not use thread retaining compounds.** If there is a risk of the screws and bolts working loose, use lock wire to secure them – mainly for endurance competition events
3. Position the fuel line so that it runs neatly and does not protrude or kink. Position the fuel line clamps and check for leaks.

## MOUNTING MATERIALS

<b>1</b>	<b>Top Mount</b>	<b>2</b>	<b>Fuel Tank Taps - KTM style fuel taps &amp; o-rings</b>
2	16mm x 6mm hex bolts	4	12mm x 6mm hex bolts
2	12mm x 6mm hex bolts		
4	washers	<b>1</b>	<b>Isolator Fuel Tap Mount</b>
<b>2</b>	<b>Side Mounts</b>	1	16mm x 6mm hex bolts
4	12mm x 6mm hex bolts	2	12mm x 6mm hex bolts
1	cross brace (2 part)	1	KTM style fuel tap (filler removed) & O-ring
2	16 x 10mm button head socket screw	1	90 fuel pipe fitting
<b>2</b>	<b>Side Brace Brackets (1 x LH, 1 x RH)</b>	1	Fuel pump adaptor
2	16mm x 6mm hex bolts	1	Large O-ring
2	20mm x 6mm hex bolts	4	30mm x 5mm socket screws
4	25mm rubber washers	8	Fuel hose clamps
2	25mm washer S/S	4	Fuel hose cut to length – 15cm, 33cm, 36cm, 44cm
		1	T piece
		1	Filler cap with 30cm breather hose

## FITTING INSTRUCTIONS

**Note:** Fuel outlet on adaptor exits on RH side



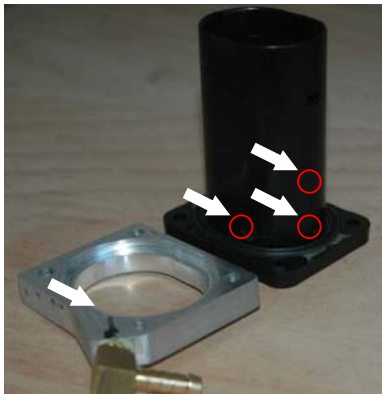
For ease of installation your fuel tank should be run dry or close to empty.

### 1. Fuel pump removal

The fuel pump is located in front of rear wheel, in front of the small mud flap. **See fig 1.**



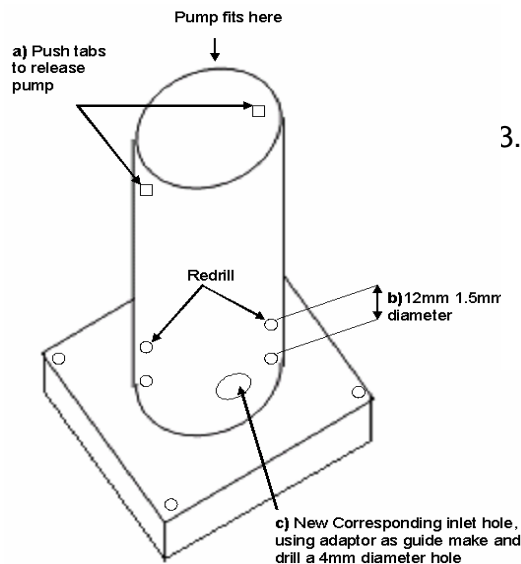
Remove mud flap (located front of rear wheel attached to bottom of fuel tank) remove four bolts and lower the pump assembly (fuel will leak everywhere), take care not to remove pump holder assembly too far out of tank (**See fig.2**), remove it just enough to push the 2 upper tabs too release fuel pump **See fig 3a**. Take the pump holder out and drill two holes 1.5mm diameter 12mm above the original holes **See fig 3b**. Then fit the fuel pump adaptor and drill a corresponding hole 4mm in diameter through the pump holder that lines up with the adapter inlet **See fig 3c**. Clean the holder and reinstall with the “O” ring and new longer bolts 30x5mm socket screws



**NOTE** be sure the pump holder and the adaptor holes are aligned and tighten the bolts evenly.

2. Remove the rear brake reservoir mounting bolt and fit the fuel tap mounting plate using new longer screw (16x6mm hex bolt) supplied. Connect fuel hose and clamps. **See fig.4**

**3**



3. Remove the seat and the front seat support mount, using the new longer bolts (16x6mm hex bolts) fit up the front tank mount (slotted holes to tank) with seat mount being on top. Tighten the bolts in the middle position. **See fig. 5**



4. Fit up the tank support cross brace through hole at the rear of the motor (don't tighten yet). Fit the side mounting brackets to the tank (longer bracket on right side, shorter bracket on left side), short angle to front **See fig. 6** (don't tighten yet), then fit the LH tank support by removing the lower radiator support bolts.



Fit the tank, fit up the RH tank support and then fit all tank to frame bolts. When all bolts are in place refit the seat taking care to make sure front seat mount is in place, a **TRICKY OPERATION!** Evenly space tank to seat, and then tighten all bolts.

5. Route fuel lines as per photos, taking care to avoid exhaust system. Cable tie hoses into position. **See Fig. 7, 8 & 9**



6. Check that all the fittings and hoses are secure, and then put a small amount of fuel in the tank and **CHECK THE ENTIRE SYSTEM FOR LEAKS!**

## **\*\*VERY IMPORTANT NOTE BEFORE RIDING\*\***

When the front tank is full, the fuel level is higher than the fill point of original tank, therefore before opening secondary supply (FUEL TAP MOUNTED TO REAR BREAK RESEVOIR) **travel 100kms to allow for even level's to overcome spillage from tank breather.**

**NOTE** further development is on going to overcome this situation. Any developments in a better system will be posted on our website.