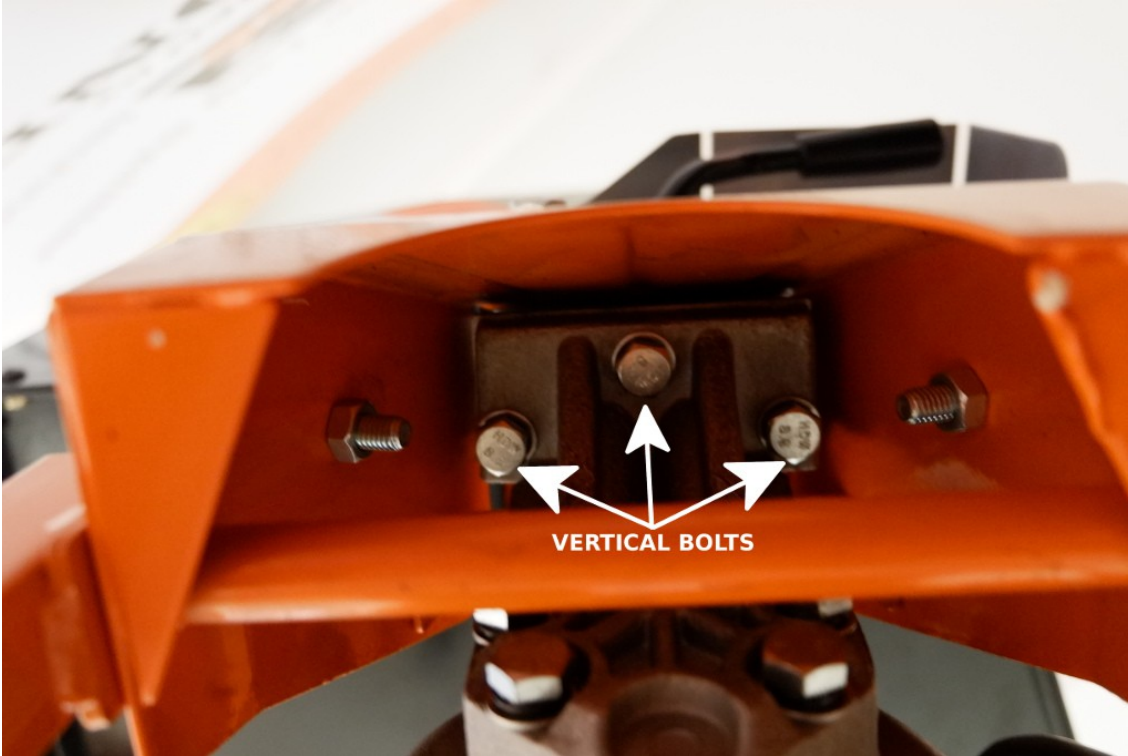


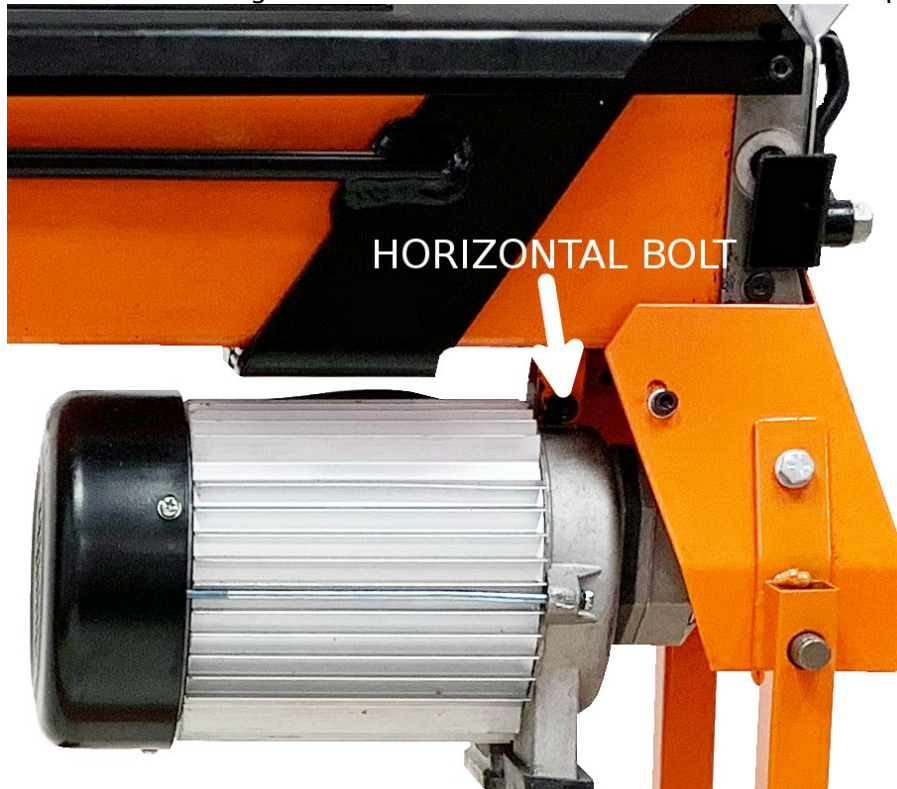
Removal and replacement of short motor

The splitter should be turned upside down and left for a little while before removing the pump and motor assembly, this allows the oil to drain back into the tank. You can reuse all O-rings

Undo the 3 bolts holding the pump bracket onto the underside of the splitter (you will need a socket and extension for this)

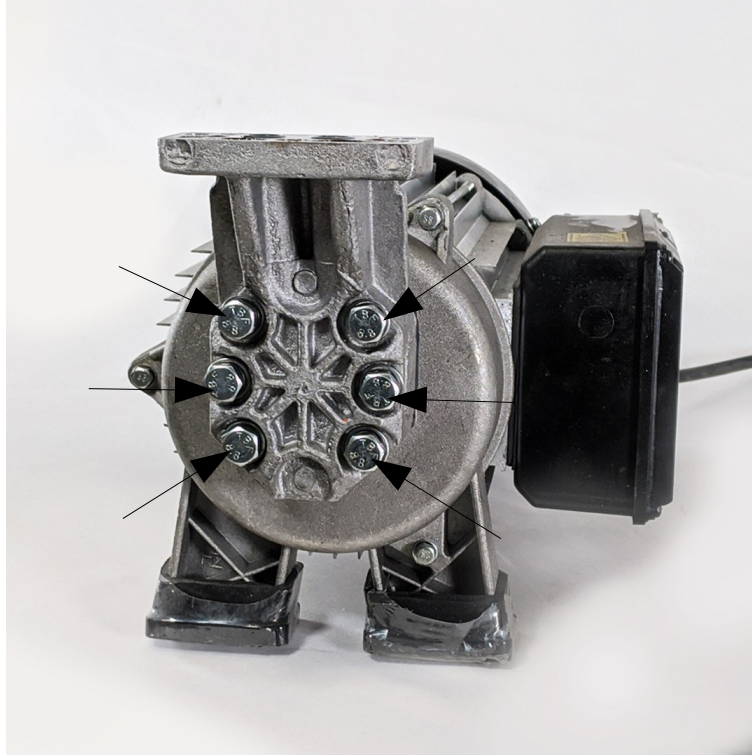


and the horizontal bolt connecting the back of the motor to the underside of the splitter body.



Remove the complete motor and pump bracket assembly. There are two O-rings in holes in the face of the pump bracket, ensure you do not lose these.

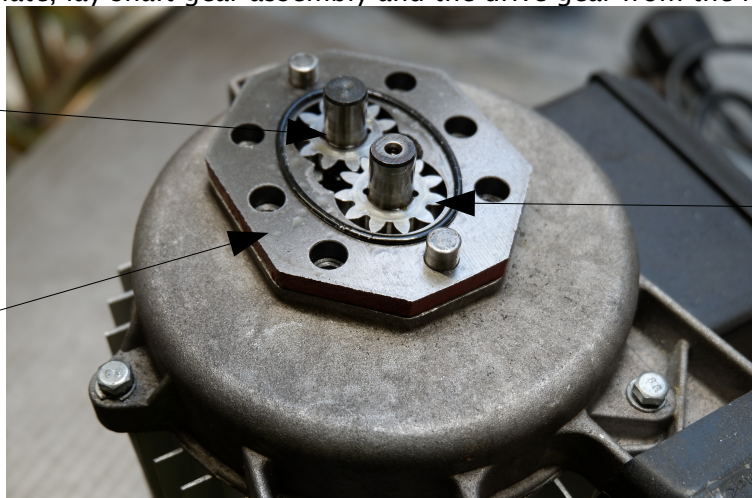
Undo the 6 bolts holding the pump bracket to the electric motor and remove the motor along with the pump plate and gears.



Remove the pump plate, lay shaft gear assembly and the drive gear from the motor shaft.

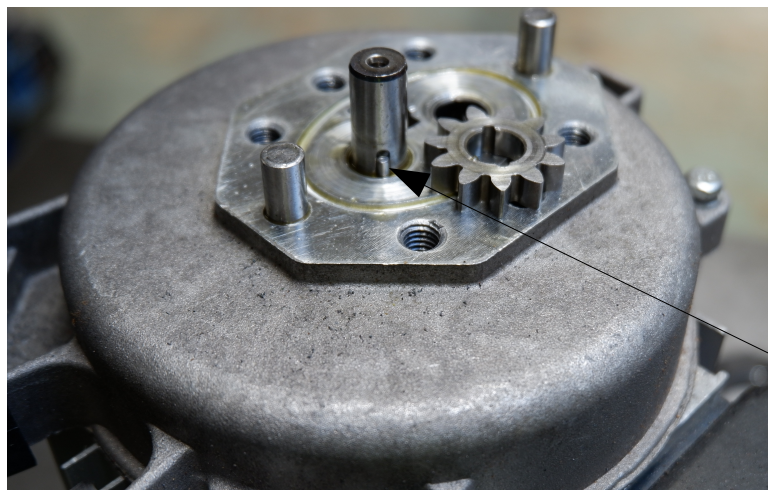
Lay Shaft Gear
Assembly

Pump Plate



Drive Gear

Remove the small pin (part 70) that keys the drive gear to the motor shaft. Do not misplace this as the pump will not drive without it.



Pin

Undo the three long bolts holding the end cover to the motor and remove the end cover. Note that if you have not removed the small pin (70) then you cannot draw the shaft through the cover.



Fit the cover to the new short motor.

Insert the pin (70) into the slot in the motor shaft and fit the drive gear.

Refit the upper gear shaft and gear and the pump plate. Ensure that the two oval O-rings are still seated in their grooves.

Attach the motor assembly to the pump bracket with the 6 bolts. Be careful not to overtighten the bolts as this will cause the pump to jam. The normal torque is 12 - 14 flbs.

Refit the pump and motor assembly to the log splitter. Ensure the two O-rings in the top of the pump are seated correctly before fitting the assembly.

If after fitting, the motor turns but the pump does not function, the likely cause is that you have not fitted the pin into the motor drive shaft and therefore the gear is not being driven

If the motor does not turn after fitting, the 6 bolts are most likely too tight. Undo each bolt a quarter of a turn and try the motor again.