

REPLACING ELECTRIC WATER PUMP IN THETFORD C200

The flush on the C200 model is by an electric submersible pump which sometimes seizes up and will not flush. The procedure of replacing the water pump is fairly easy but a little care has to be taken due to plastic components becoming brittle and the risk of breaking them.

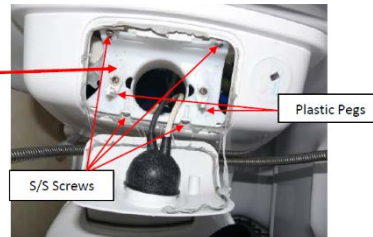
Before starting, make sure the electric supply is isolated; it is only 12V but shorts can cause fuses to blow.

Replace the 3A fuse with the 5A fuse which is included in the packaging of the replacement pump.

1. Leaver off the top panel which houses the flushing switch. It is held by mastic and two plastic pegs underneath so try to lift it off squarely to avoid breaking the pegs.



2. Once off, you will see the inside of the tank and a bracket on the top, which has to be removed by unscrewing the four stainless steel screws.



3. When the bracket is removed the inside of the tank can be seen with the vacuum breaker on the top of the outlet hoses. The left hand hose is from the pump and the right hand hose to the WC bowl.



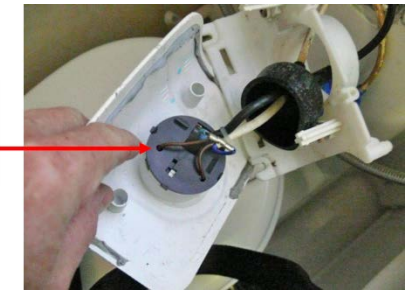
4. The pump is held in position by two plastic spring clips at the top and bottom of the pump hose which are molded into the tank wall. Be very careful when priding out the hose from the clips as they can be brittle with age and easily snap off. The pump can now be removed and the hoses



5. Pump with hoses disconnected



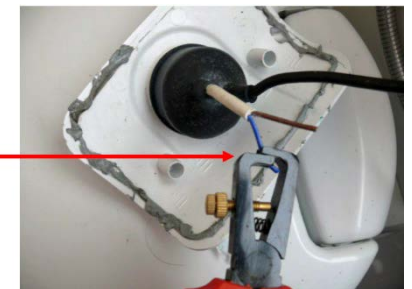
6. The connections into the switch are difficult to remove. It is better to cut the cable and join with the connectors provided.



7. Cut the old pump cable as high as possible (to keep joints out of water)



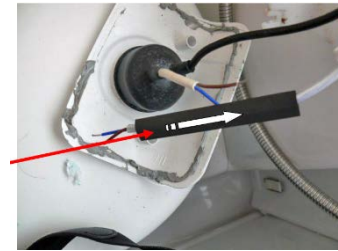
8. Strip the red and blue cables back about a centimeter



9. Thread the new pump cable through the plastic bracket.



10. After stripping the ends of the cable, feed the heat shrink wrap onto the cable before joining.



11. Push the bared wires into the connectors (blue to blue and brown to brown) and crimp with a crimping tool. Temporarily restore the 12V supply and try the pump before continuing. If the pump fails to work re-check the connections.



12. Pull the shrink wrap over the two crimped connectors.



13. With a hair dryer or a heat gun gently heat the shrink wrap until it shrinks tightly over the joints. Don't overdo it and remember it maybe be hot!



14. Re-connect the flushing tube and vacuum breaker and carefully replace the tube to the pump in the clips.



15. Replace the plastic bracket and the four screws



16. Clean off the old mastic from the cover and replace with non setting mastic strip or adhesive. Don't forget the cover needs to be removable!



17. Replace the cover and test it out.

