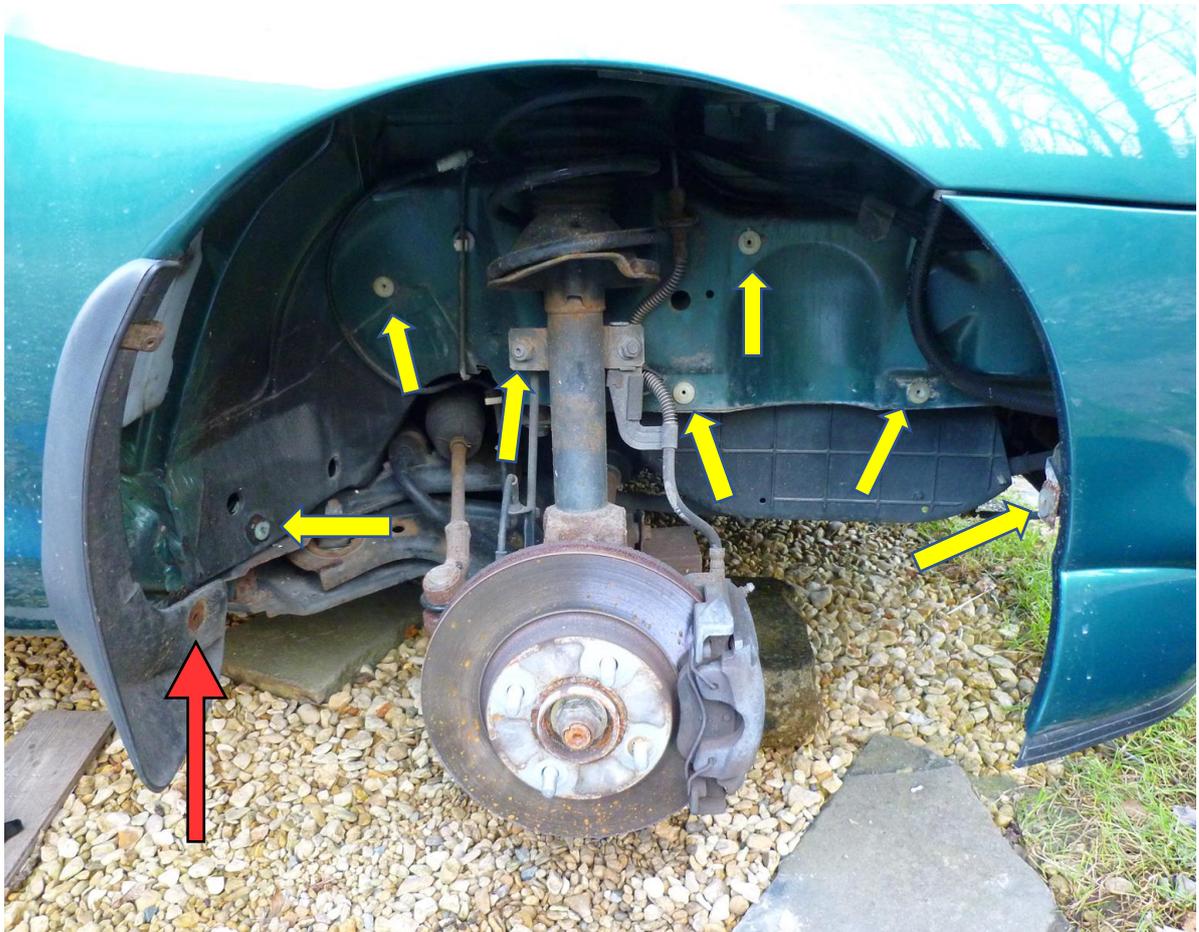


Ford Puma / Fiesta - Removal and refit of washer pump and filter – To cure no or poor screen wash function – usually manifesting as some initial flow rapidly falling away to little or nothing.

- 1) The washer bottle and pump assembly is located in the UK driver-side front wing just behind the driver-side front wheel. Some forums suggest tackling this job with the car on the ground and the wheel in place, but it is much easier to tackle with the wheel removed to improve access. So, to start loosen off the wheel nuts, jack up the driver-side front corner, remove the wheel and then carefully lower the car back down onto an axle stand or other suitable solid support.
- 2) Next job is to remove the fabric type wheel arch liner - again some forums don't mention this, but the job is much easier if the liner is removed and the liner itself is not difficult to remove or replace. There is a total of 7 screws that hold the liner in place as shown by the yellow arrows in the photo below. Note that the mud-guard does not need to be removed - just the screw (red arrow).



Once these screws have been removed the liner can be unhooked from behind the mud-guard and form along the lip of the wheel arch and removed. (The picture above shows the liner already removed).

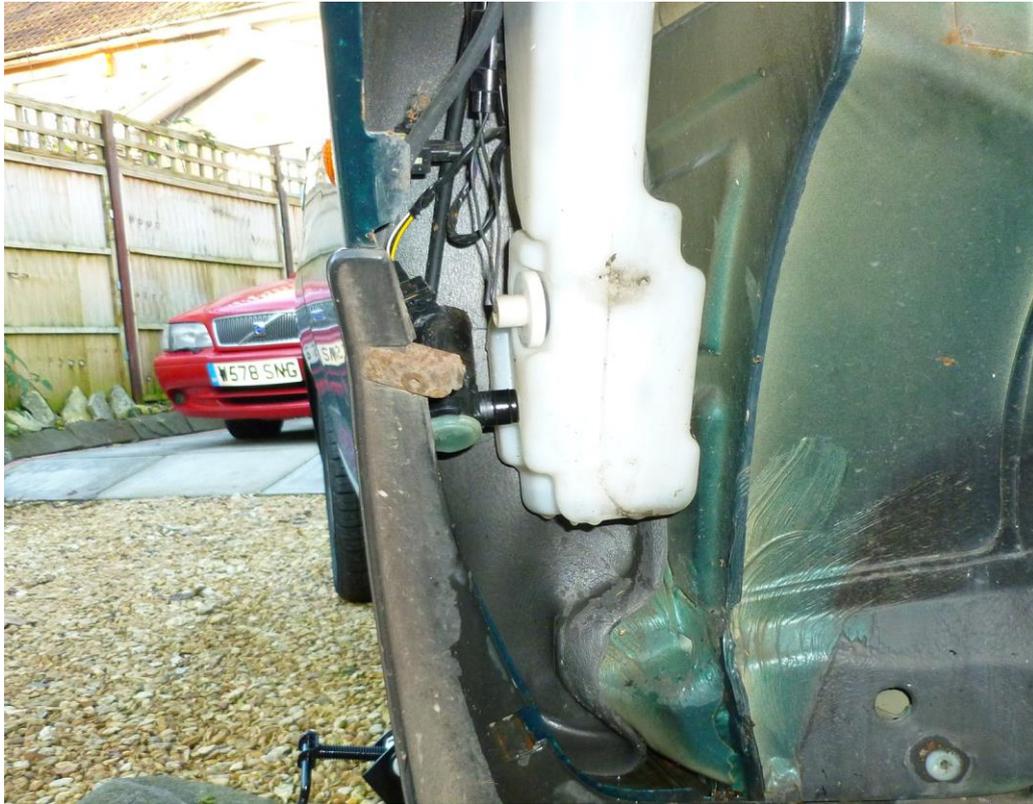
3) The washer bottle can now be seen with the pump (arrowed) at the bottom.



Now the pump and filter have to be removed from the bottle – this is the tricky part of the job and requires patience and a bit of dexterity. If you are carrying out this job in order to replace the pump, then remove the electrical connector at the top of the pump and the hose connection at the bottom. If you are carrying out the job in order to clean a suspected blocked filter then leave these items in place.

Use your left hand at the top of the pump to pull the pump away from the bottle whilst at the same time using your right hand to pull the pump away from the bottle at the bottom. At first it will seem as if the pump is on there too tight and there is just no space to get any leverage, but be patient and try to create a bit of a rocking motion by applying alternate pressure top and bottom. If needed be use a suitably sized screwdriver at the bottom of the pump to gently prise it away from the bottle whilst at the same time using your left hand at the top. Eventually the pump will come away from the bottle – as shown in the next photo.

In job pictured the pump itself was fine so the wiring and hose has been left in place.



- 4) Sometimes the rubber filter will come out with the pump, sometimes it may get left attached to the bottle. If the latter is the case, then pull the filter out from the hole in the bottle. If the former is the case, then pull the filter of the pump.
- 5) The photo below shows the thick algae type stuff that collects on the filter and causes the blockage. Give the filter a good clean – second photo shows after cleaning - if it's damaged then replace.





6) Refitting is essentially the reverse of removal, but we would suggest these steps for refitting the filter and pump onto to the bottle: First apply a little silicone grease (not oil as that will have a damaging effect on the rubber) to the filter and carefully reattach it to the bottle. **Be careful not to push the filter into the bottle!** Second apply a little silicone grease around the pump mouth and carefully insert into the filter that is already in the bottle. **Again, be careful not to accidentally dislodge the filter and push it into the bottle!**

7) Test to make sure all works and no leaks and then re-assemble the other parts.

Hope this was helpful.