

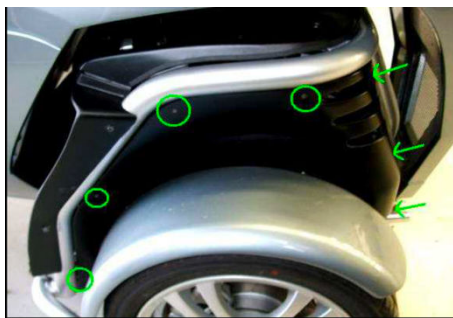


Maintenance Reference.	CCPS-DS Checking_DVC_Fluid_Level
Maintenance definition	How to check the DVC fluid level
Items Required	<p>Clean/unused wooden coffee stirring sticks, about 20cm long (available from McDonald's)</p> <p>Basting pipette or similar and about 15cm of clear plastic tubing to attach to the end of the pipette (available from hardware stores)</p>

There is an eyeglass in the side of the DVC tank which allows the fluid level to be checked, but there is a specific procedure to ensure it is observed correctly. This is because if the level is correct, it will not show in the eyeglass whilst the car is upright.

As the fluid is fairly clear, it is sometimes worth having someone to help, because they can observe the eyeglass at all times whilst the level checking procedure is performed.

Before starting the procedure, firstly ensure the Carver is upright, with both windows down (open), key in the ignition, and the steering lock is off (check you can turn the steering wheel without steering lock resistance)



Tilt the car to the right.

Remove the left side cover of the engine, as this allows clear observation of the eyeglass and the maintenance handle is much more accessible.

Bring the car upright. Remove the engine top cover.



Turn on the ignition (but not the engine) and then wait about ten seconds. If the electric backup pump operates, wait until it switches off.

Now turn off the ignition, but leave the key in, to prevent the steering wheel locking up.



Location of eyeglass.



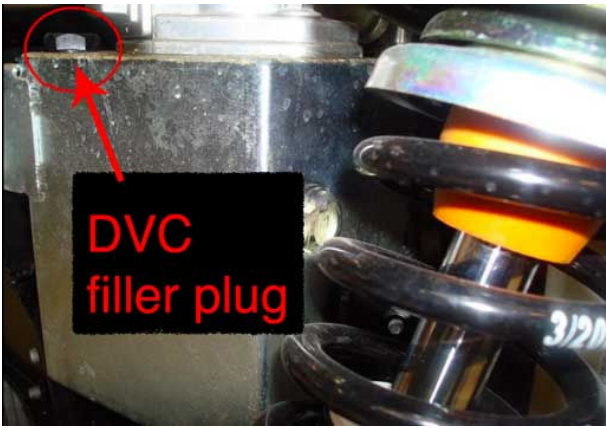
Turn the maintenance handle down and tilt the car fully over to the right, observing the eyeglass as the car tilts over.



With the car fully tilted to the right, the DVC fluid level should now be between 1/2 and 3/4 of the way up the eyeglass.

If the DVC fluid level is correct, then no further action is required. Replace the engine side & top covers and return the car to upright.

If the level is not correct, then proceed as described below.



Sometimes when the car is tilted over, no change or level can be seen in the eyeglass.

This means one of two things – too little or too much fluid.

Unscrew the small plastic DVC filler plug with a 19mm spanner.



Ensure the **coffee stirring sticks**, the **basting pipette** and the **plastic tubing** are all clean. Attach the tubing to the end of the pipette.

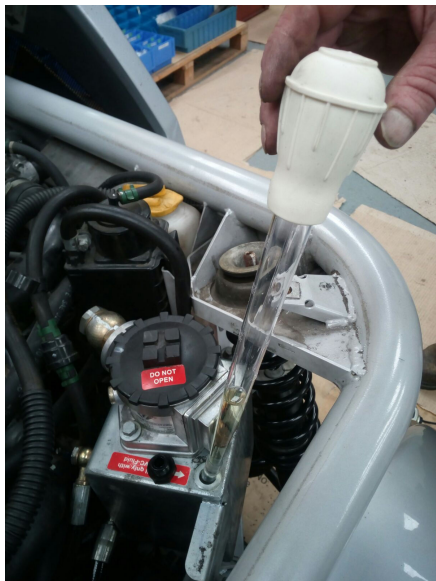
(Note: the coffee sticks need to be at least 20cm long)



Insert a coffee stirring stick down the filler plug hole until it reaches the bottom of the tank.



Remove the stick from the tank and compare the level shown by holding the stick against the side of the tank.



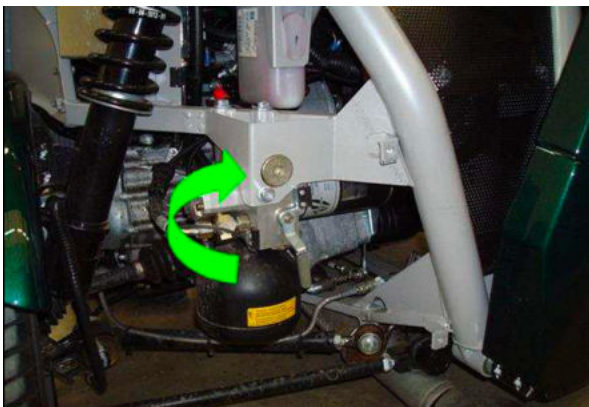
If the DVC fluid level is too HIGH

Using the pipette with tubing attached, carefully suck out the excess DVC fluid. Adjust the fluid level to be between 1/2 and 3/4 of the way up the eyeglass.



If the DVC fluid level is too LOW

Using a clean filter funnel, slowly add small quantities of DVC fluid, until the level is between 1/2 and 3/4 of the way up the eyeglass.



Bring the car upright with the maintenance handle. Switch on the ignition and wait for the backup pump to finish running.



Switch the ignition off, tilt the car over and check the level again. Adjust the level as necessary, then return the car to upright.

Job done, screw in the filler plug, but do not over tighten as its plastic. Replace the engine side cover.

Note: if the pipette and tubing are to be kept for future use, they must be thoroughly cleaned with Brake Cleaner solution, then stored in a clean, dry place. Otherwise please dispose of the pipette and tubing, because any DVC fluid residue will become contaminated, which will prevent the items from being used again.