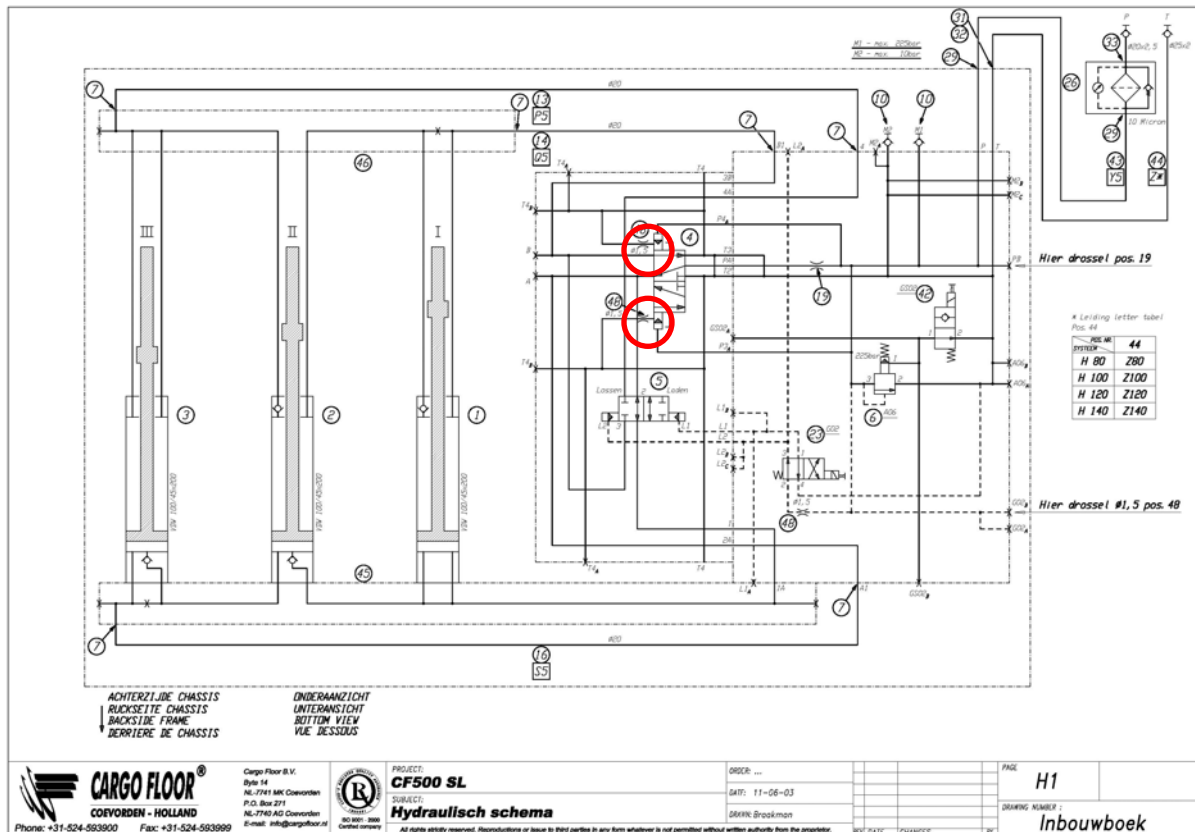


**GB Check of the plug in the switching part of the CF500 control valve**

If the control valve switches with a delay, or not at all, despite that the thin piston rod 12 mm. has switched, the cause could be pollution in both return plugs or the plugs have moved. A clue for this problem is that all cylinders run until the end and then wait than a moment before going in the other direction. For a short period a pressure build up takes place without the cylinders moving.

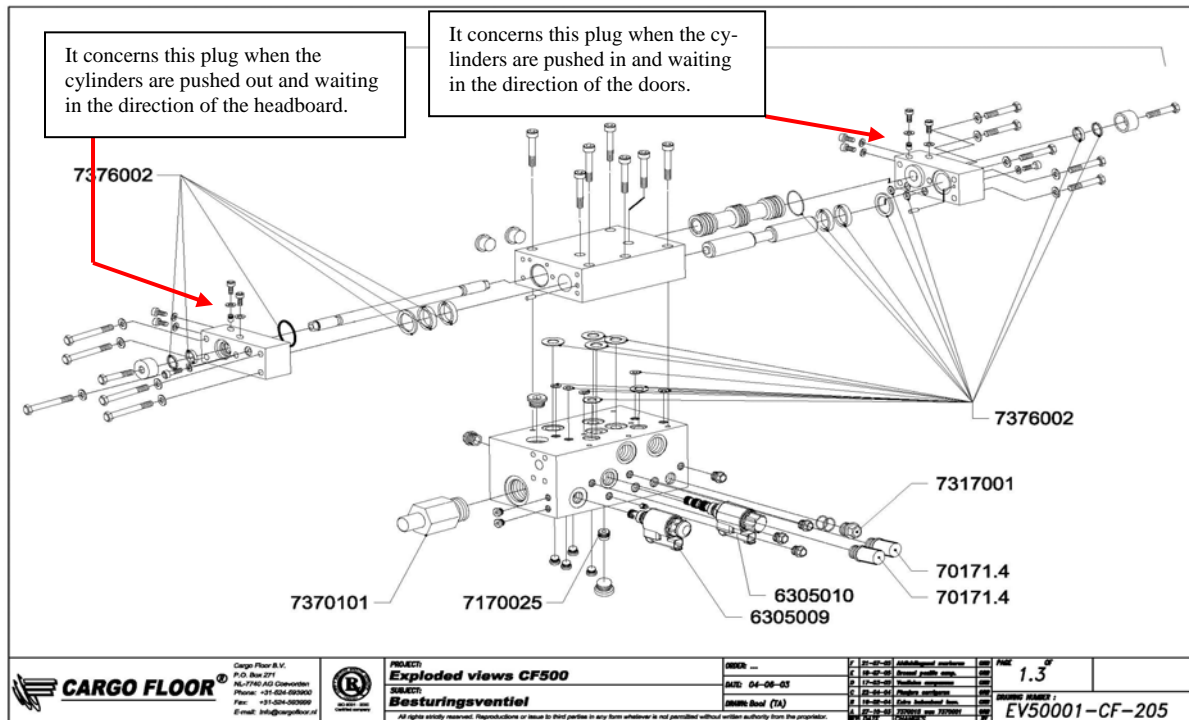
In our hydraulic schedule this is position numbers 48 that belong to the control valve (circles in the picture).



The plugs are used in order to prevent the movement of the head plunger going abruptly. The main piston rod always moves in the opposite direction of the thin pre steering rod. This means that when the cylinders slow down at the headboard side, it concerns the plug which is positioned at the rear side of the valve. If the cylinders slow down at the door side, it concerns the plug that is positioned at the front side of the valve.

Needed parts:

- 1x spanner13 (or socket spanner 13)
- 2x spanner nr. 17
- 1x allen key 5 mm
- 1x allen key 3 mm
- 1x tape measure / sliding gauge
- Clean cloths.



To fix this malfunction one has to demount the threaded rod with the distance ring, or demount the distance ring at the back side.

Remove the 5 M8 bolts of the part that comes out of the thin piston.



On the top one than can see two allen bolts. Remove the allen bolt on the side where the part that is divided from the rest of the valve with a allen key 5 mm.



At the end of this hole is the plug for an allen key 3 mm. If the plug is stuck, one has to go in with the allen key for 35 mm. If this is less than 35 mm, the allen screw has to be turned in really solid. If the plug is fixed one has to check the hole in the plug and the filter element for pollution.



When reassembling please make sure that the seal rings are still present. Further prevent pollution. Tighten the 5 M8 bolts with a torque of 30 Nm. After this the treaded rod or distance ring has to be mounted. (If necessary one can find the directions for adjusting the threaded rod in the operation manual, these also can be found on [www.cargofloor.nl/downloads](http://www.cargofloor.nl/downloads).) Before the vehicle leaves is has to be tested on function and if nothing leaks.