

Document Title: Steering system, component location	Function Group: 600	Information Type: Service Information	Date: 2014/6/4 0
Profile: WLO, L180G HL [GB]			

Steering system, component location

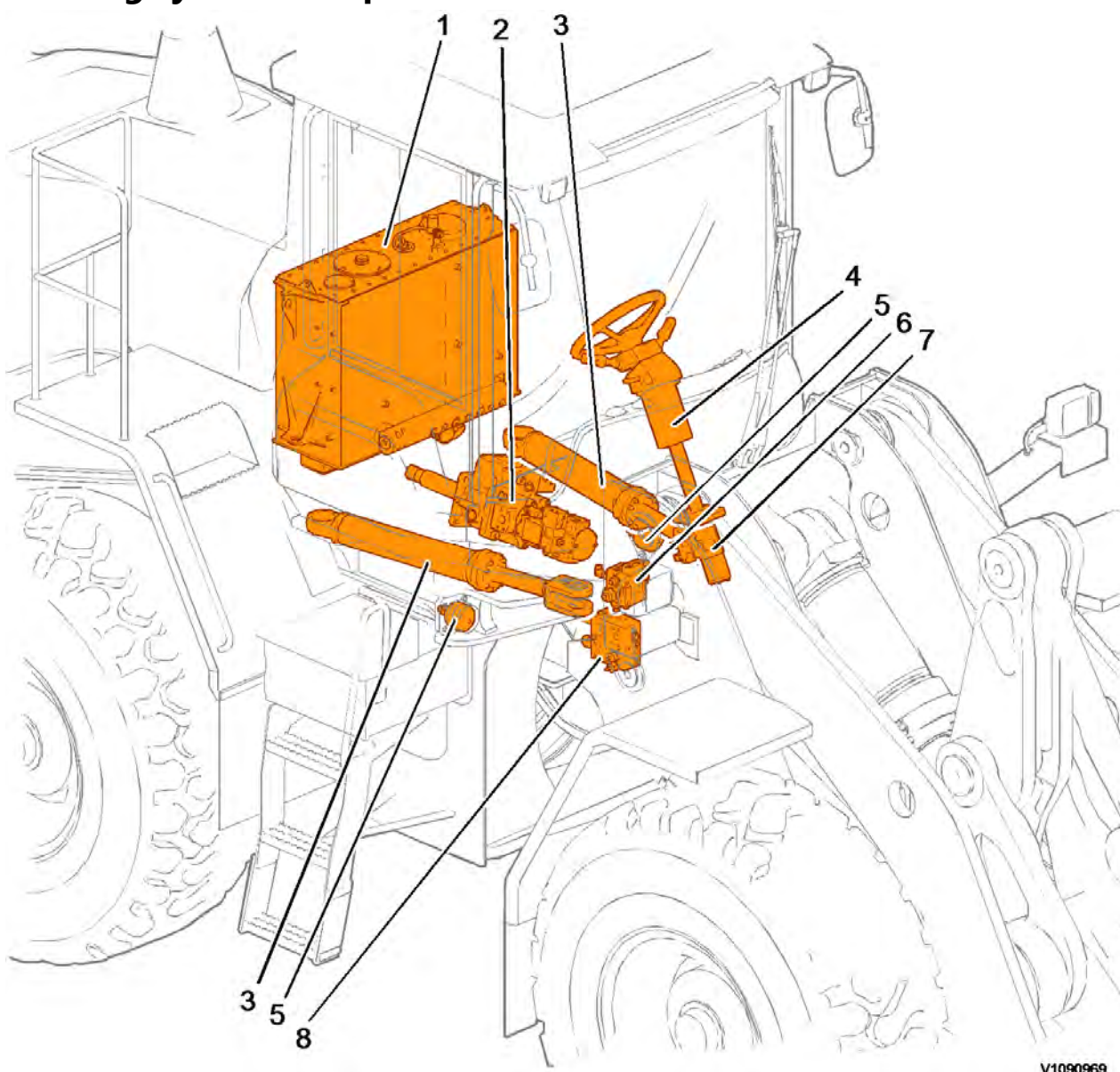


Figure 1

1. Hydraulic oil tank
2. Hydraulic oil pumps P2 and P3
3. Steering cylinder (2 pcs.)
4. Steering wheel
5. Accumulator (2 pcs.)
6. Shift valve

7. Steering valve
8. Central block

For description of components, see:

- [911 Hydraulic oil tank, description](#)
- [913 Hydraulic pumps, description](#)
- [645 Shift valve, description](#)
- [645 Steering valve, description](#)
- [912 Central valve, description](#)

Document Title: Steering system, description	Function Group: 600	Information Type: Service Information	Date: 2014/6/4 0
Profile: WLO, L180G HL [GB]			

Steering system, description

The hydraulic steering system is used to steer the machine. The system has a hydraulic pump that is shared with the working hydraulics, servo hydraulics, and the brake system. The machine features a central block that prioritizes steering. The system can also be equipped with secondary steering as safety equipment as well as Comfort Drive Control (CDC).

For more information, see

- [647 Secondary steering, description](#)
- [660 Comfort Drive Control \(CDC\), description](#)
- [912 Working hydraulic system, description](#)
- [520 Braking system, description](#)
- [913 Hydraulic pump flow regulation, description](#)

Steering system neutral position, working hydraulics max. pressure

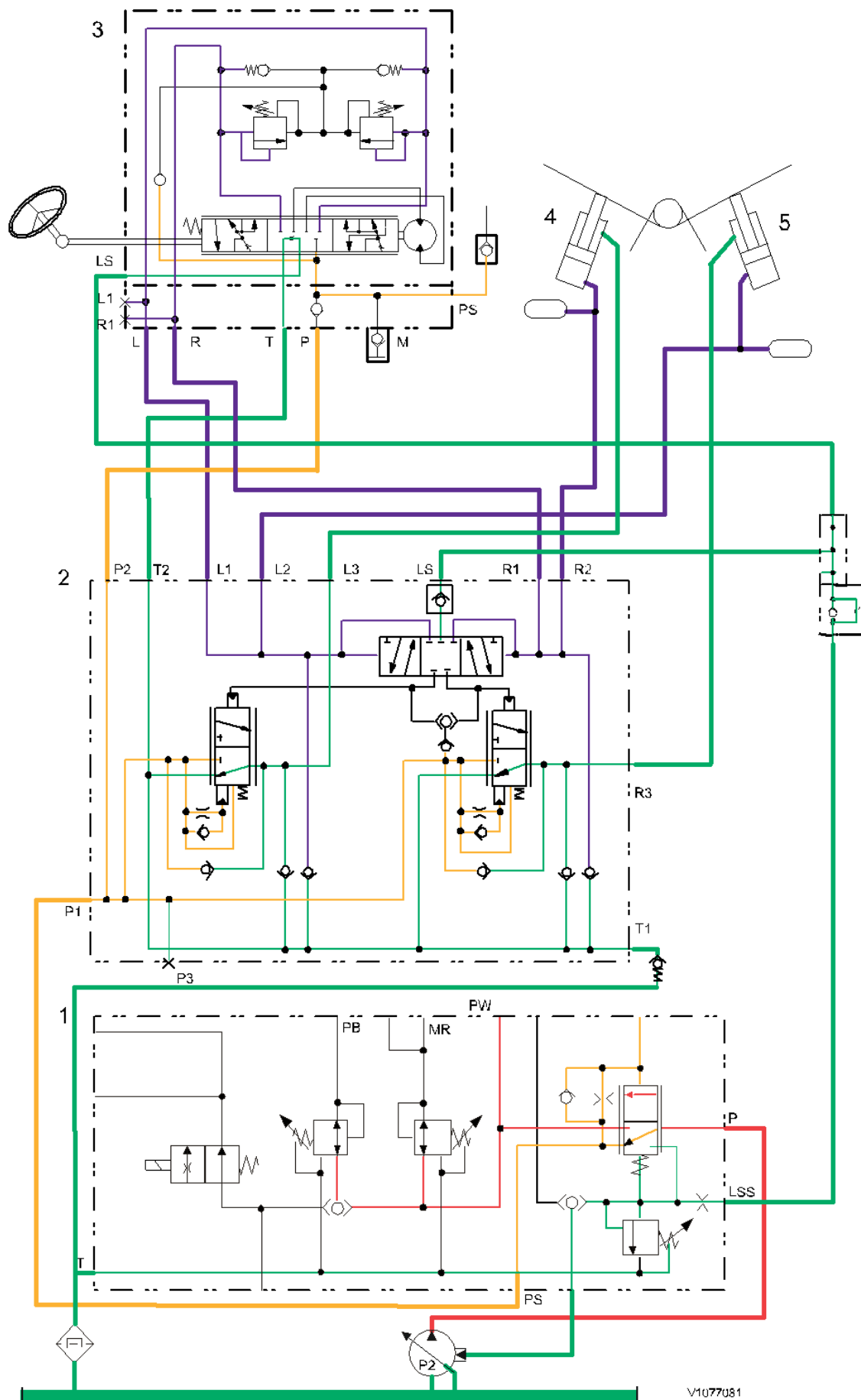


Figure 1
Steering system neutral position

Green	Return oil without pressure
Orange	Standby pressure
Violet	Trapped oil
Red	Maximum pressure

1. Central block
2. Shift valve
3. Steering valve
4. Steering cylinder left
5. Steering cylinder right

P2 delivers oil to the central block's port P. The priority slide ensures that the steering receives a so-called standby pressure. The standby pressure is kept at a pre-determined level regardless of the pump's pressure. The rest of the pump pressure is used for the working hydraulics, servo system, and the brake system via port PW. Oil needed for the steering's standby pressure flows from the central block's port PS to the shift valve's port P1, and out from the shift valve's port P2 to the steering valve's port P. The steering valve is closed, when the steering wheel is not activated, in neutral position.

Steering right

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com