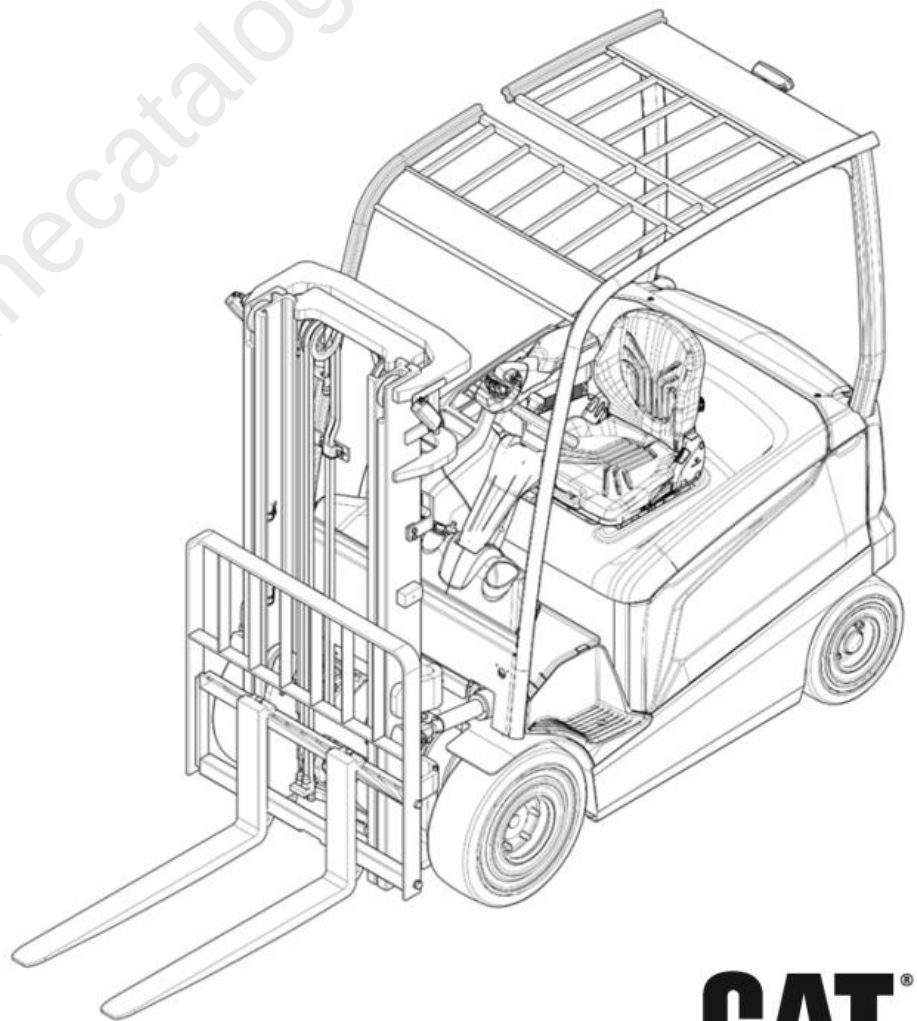


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5.15.14 Tilt cylinders

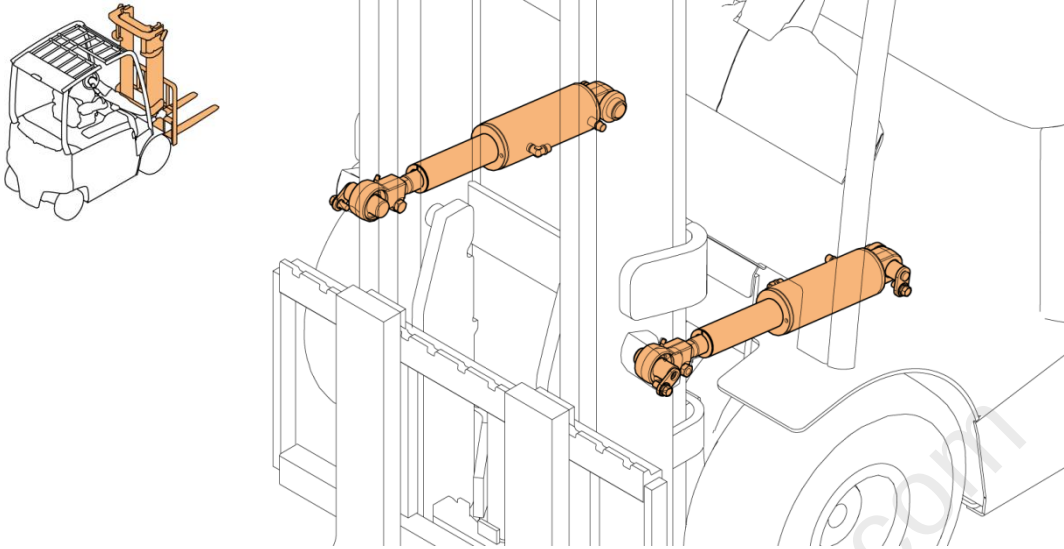
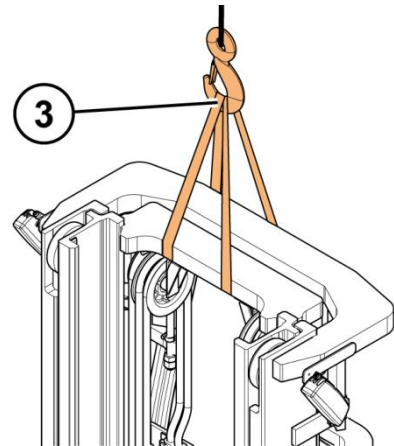


Figure 123. Tilt cylinders overview

5.15.14.1 Remove the tilt cylinders

1. Remove the pedal plate, see section 5.6.2.
2. Remove the step cover, see section 5.6.9.

3. Attach a lifting device to the mast and tighten the chains or ropes.
NOTE: Make sure that you use applicable lifting devices and follow the safety instructions given by the lifting device manufacturer.



10.6 Hydraulic valve unit with manual levers

CAUTION



When working on the hydraulic valves and connectors, avoid getting any dirt into the connectors or valves. Dirt in the hydraulic system often causes problems in the functionality of the truck.

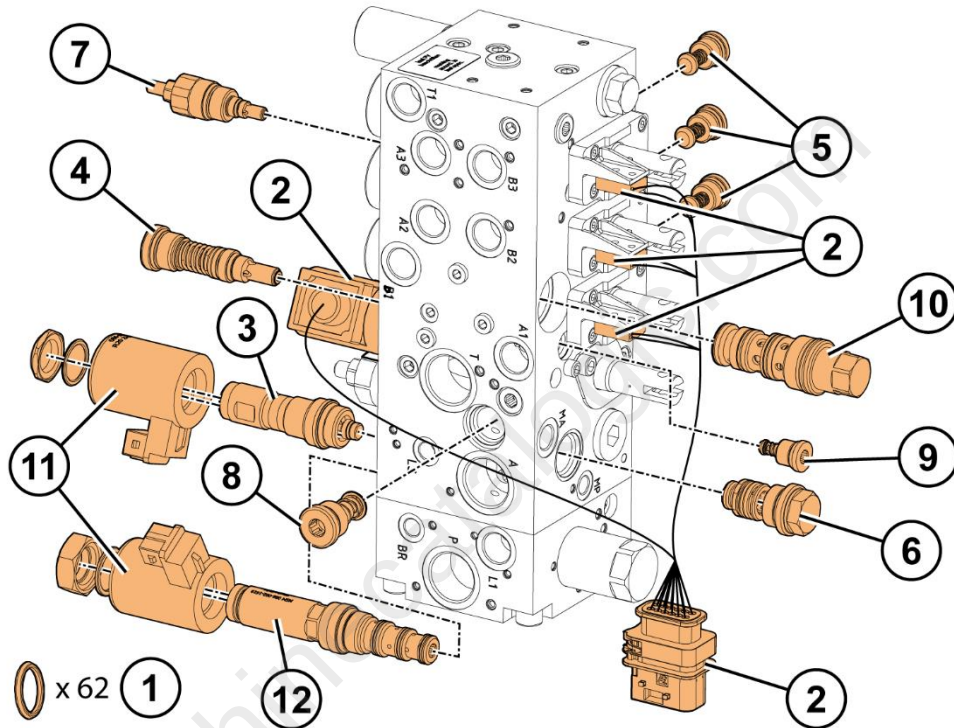
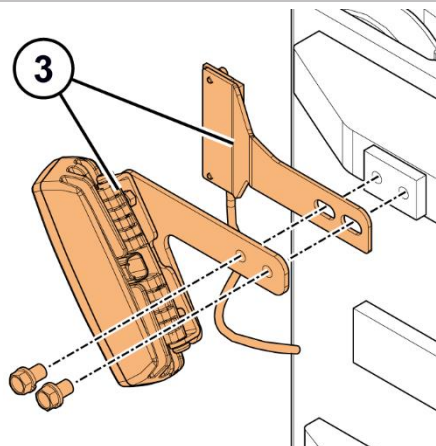


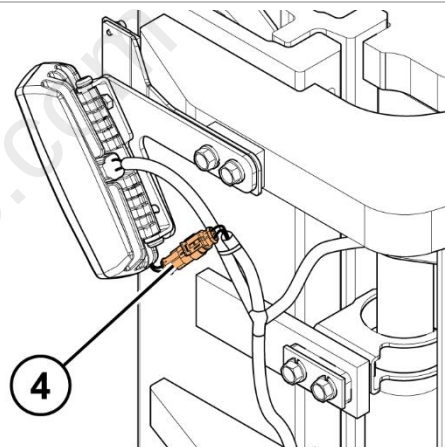
Figure 214. Spare parts of the hydraulic valve unit with manual levers overview

- | | |
|---------------------------------|------------------------------|
| 1. Seal kit | 7. Pressure relief valve NG4 |
| 2. Wiring harness 4-axis | 8. Check valve NG12 |
| 3. Electric piloted check valve | 9. Check valve |
| 4. Backpressure valve | 10. Brake valve |
| 5. Check valve cpl. | 11. Solenoid coil 80 V DC |
| 6. Check valve assembly | 12. 4/2 directional valve |

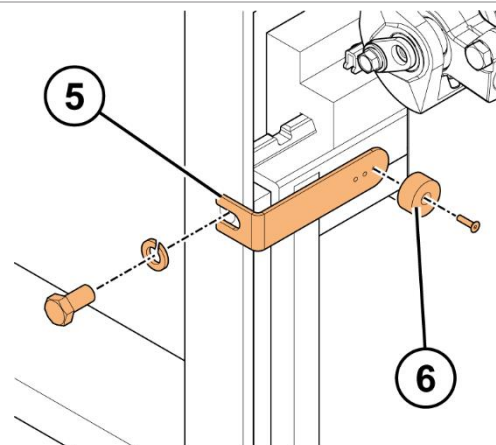
3. Install the mast height sensor and the working light to the mast with 2 screws.



4. Connect the sensor connector.



5. Install the counterpart of the mast height sensor to the lifting carriage with a screw.
6. Install the magnetic part of the sensor to the mounting plate with a screw.



Full Version Available

Caterpillar EP25N Forklift Service, Operator and Schematic Manual (624632-EN-B.1)

Caterpillar EP25N forklift service manual, covers hydraulics, drive unit, wiring, mast, and diagnostics. Searchable PDF download.

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