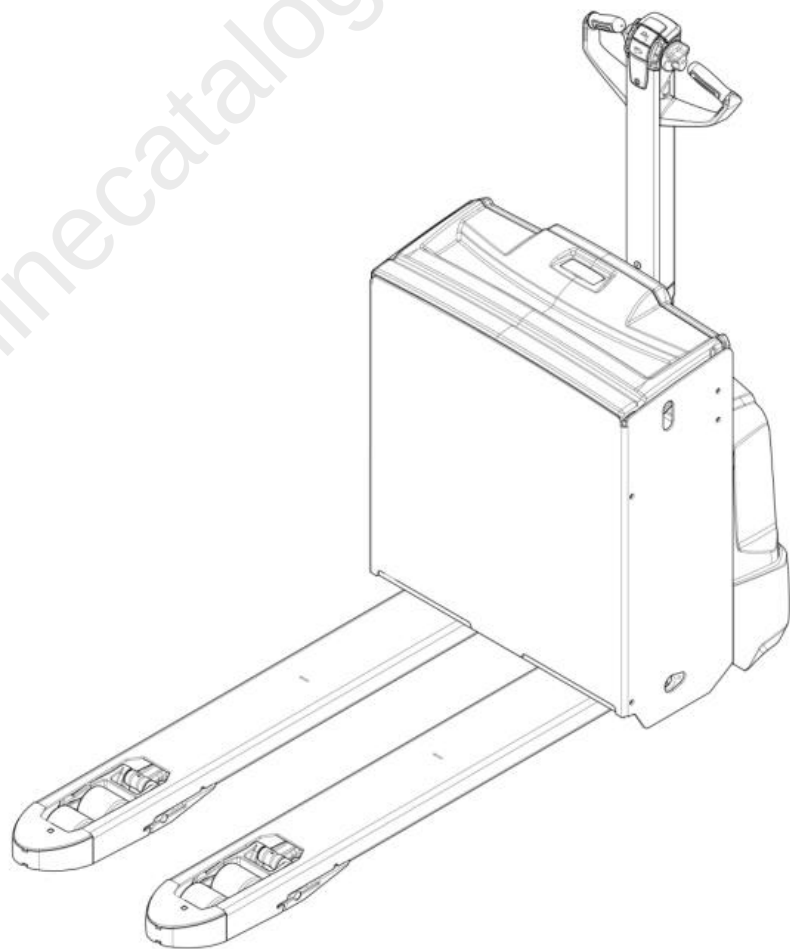
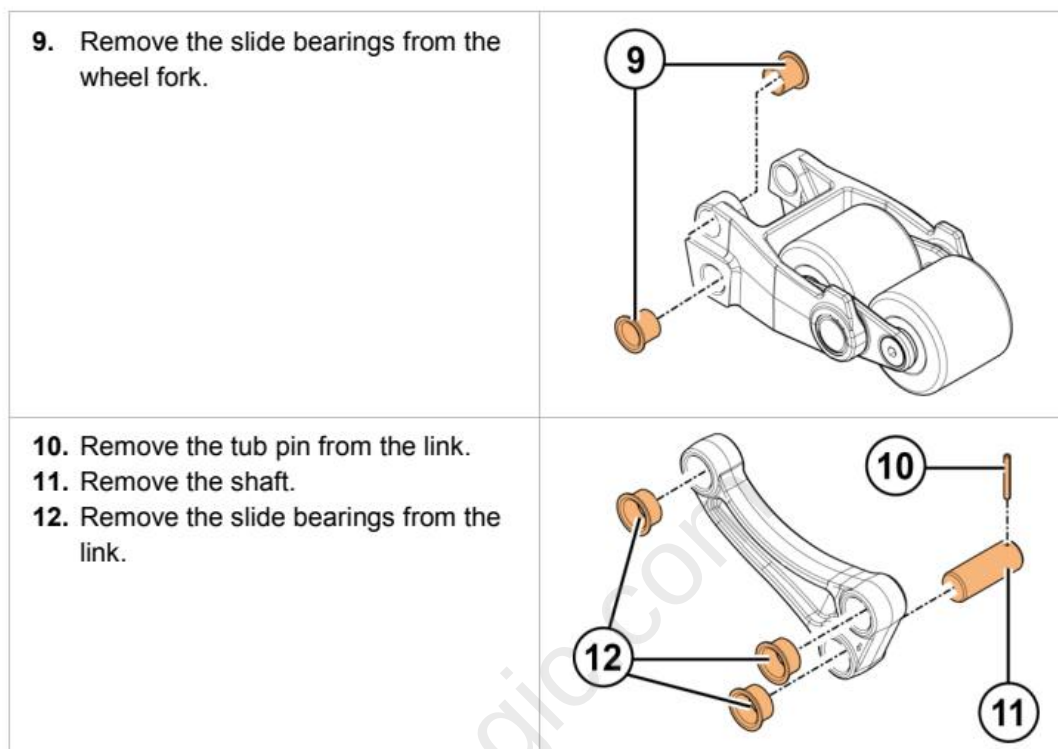


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NPP

16N2/18N2/20N2/20N2E





5.10 Castor wheels

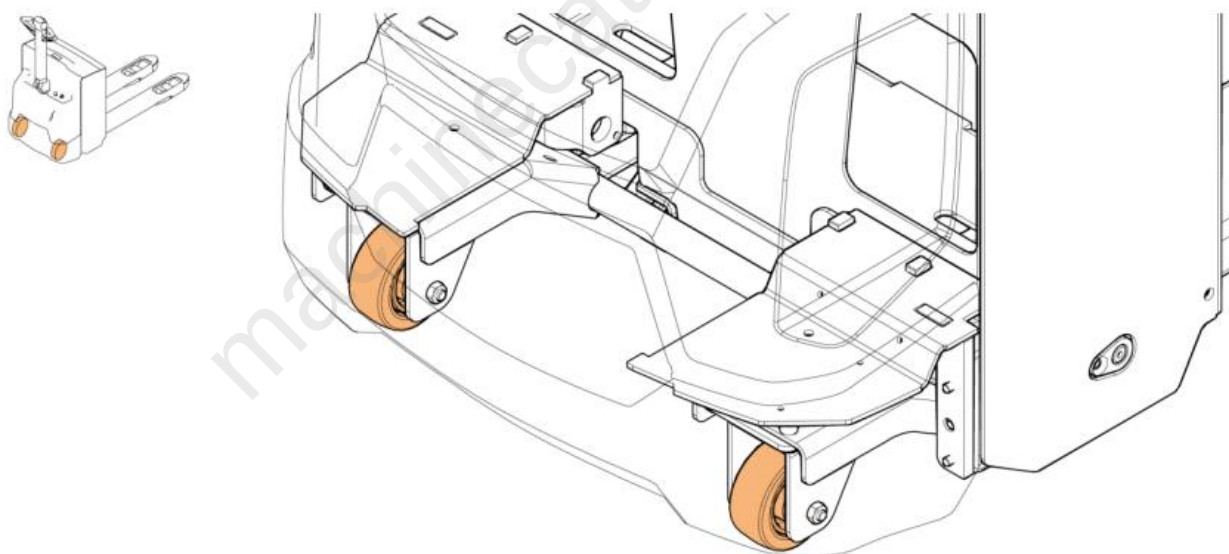


Figure 31. Castor wheel overview

Check the wear of the castor wheels:

- The diameter of a new castor wheel is 98 mm.
- It is recommended that the castor wheel is replaced when its diameter reaches 90 mm.

10.4 Hydraulic aggregate

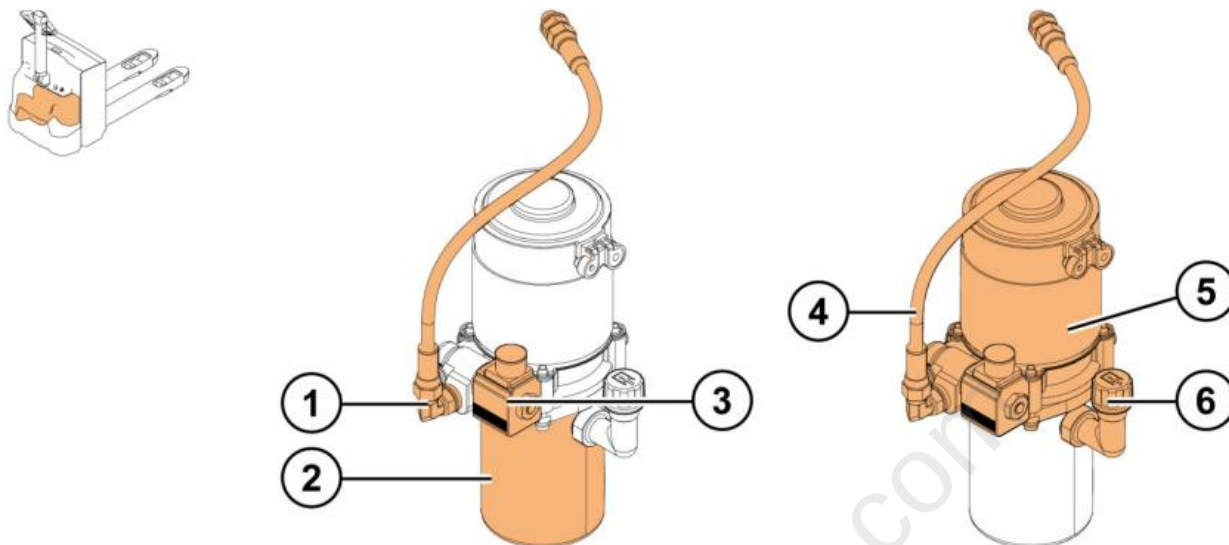


Figure 85. Hydraulic aggregate overview

- | | |
|------------------------|-----------------------------------|
| 1. Hydraulic connector | 4. Hydraulic hose |
| 2. Oil tank | 5. Pump motor |
| 3. Solenoid valve | 6. Filling hole for hydraulic oil |

The hydraulic aggregate consists of the electric pump motor, the hydraulic gear pump unit, the oil tank, the suction filter, the pressure relief valve, the solenoid valve, hydraulic hoses and connections for various hydraulic equipment.

The hydraulic aggregate is used to control the load handling device.

14.3 Maintenance check list

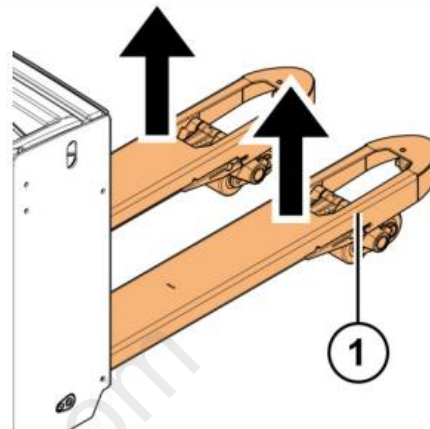
Legend: C = Check, R = Repair, Clean or Change, G = Grease

	BEFORE DAILY USE (USER)	MONTHLY (OWNER)	600 h OR ONCE A YEAR (SERVICE)	1,200 h OR EVERY SECOND YEAR (SERVICE)
Drive unit				
Transmission leakage check	C	C	C	C
Steering bearing			C	C
Fastening of the gearbox			C	C
Hydraulics				
Leakage check		C	C	C
Cleaning the oil filter				R
Hydraulic oil change				R
Oil level		C	C	C
Hose and cylinder		C	C	C
Operation of the hydraulics	C	C	C	C
Pressure relief valves			C	C
Linkage				
Bearings			C	C
Linkage			C	C
Wheels				
Traction wheel	C	C	C	C
Traction wheel has to be replaced when its diameter reaches 218 mm			C	C
Load wheels	C	C	C	C
Castor wheel suspension			C	C
Battery				
Battery water level	C	C	C	C
Battery cable and connector	C	C	C	C
Battery automatic watering system		C	C	C

8.2.5 Removing the electric panel

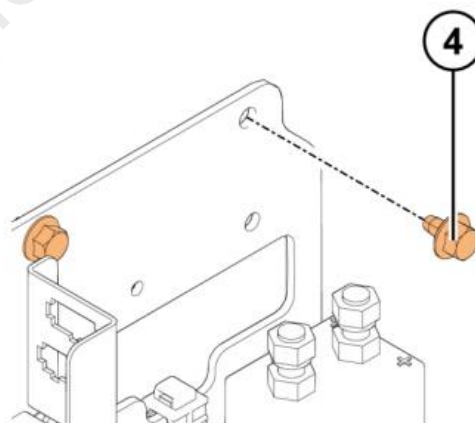
Instructions for removing the electric panel are provided below.

1. Lift the forks of the truck to their upmost position.

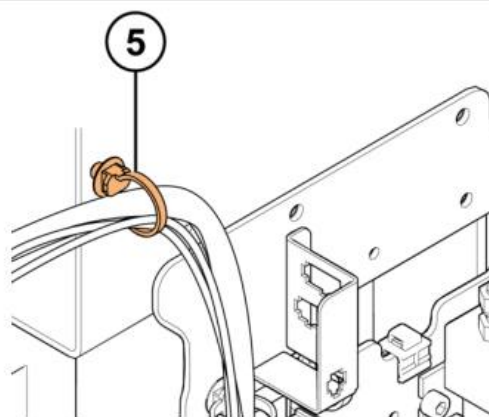


2. Switch the truck's power off.
3. Disconnect the battery connector.

4. Remove the two 10 mm bolts from the electric panel.

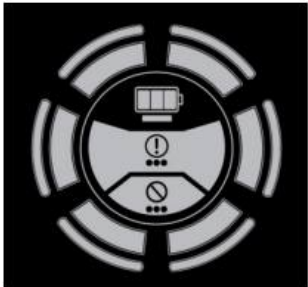


5. Remove the cable tie attaching the wires of the electric panel to the truck frame. Record the places of the connectors and wires you remove.



PARAMETER	DESCRIPTION
Max speed reverse MAX SPEED BACK	This parameter controls the maximum speed backward in the standard drive mode. Value range: • 10%: Slowest • 100%: Fastest NOTE: For safety reasons, do not exceed the parameter table value!
Pump acceleration ramp PU. ACCELER. DEL	This parameter controls the acceleration ramp for the pump motor. Value range: • 0.1: Fastest • 5.0: Slowest
Pump deceleration ramp PU. DECELER. DEL	This parameter controls the deceleration ramp for the pump motor. Value range: • 0.1: Fastest • 5.0: Slowest
Release braking ramp RELEASE BRAKING	This parameter controls the deceleration rate when the accelerator is released in the standard drive mode. Value range: • 0.1: Fastest • 10: Slowest
Speed limit braking ramp SPEED LIM BRK.	This parameter controls the deceleration rate when speed reduction is activated in the standard drive mode. Value range: • 100%: Fastest • 10%: Slowest
Turtle cutback speed reduction TURTLE CUTBACK	This parameter controls the speed reduction when the low speed mode is activated. Value range: • 10%: Enabled • 100%: Disabled

Table 2. Level of battery charge indications

LED DISPLAY	DESCRIPTION
	Green light in all six dial segments = Battery charge level at 70 - 100%
	Yellow light in the bottom four dial segments = Battery charge level at 40 - 70%
	Red light in the bottom two dial segments = Battery charge level at 20 - 40%
	Slowly flashing red light in the bottom two dial segments = Battery charge level at 0 - 20% (battery is empty, recharge immediately)

In case of a warning or error, press and hold down the brake release button to read the warning or error code. The LED display uses a flashing light sequence to indicate the error code as explained in Table 3.

Full Version Available

Caterpillar NPP16N2 Pallet Truck Service and Operator Manual (618021)

Caterpillar NPP16N2 Pallet Truck service manual, covers hydraulics, drive unit, wiring, and service data in PDF. Instant PDF download.

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