

SERVICE MANUAL

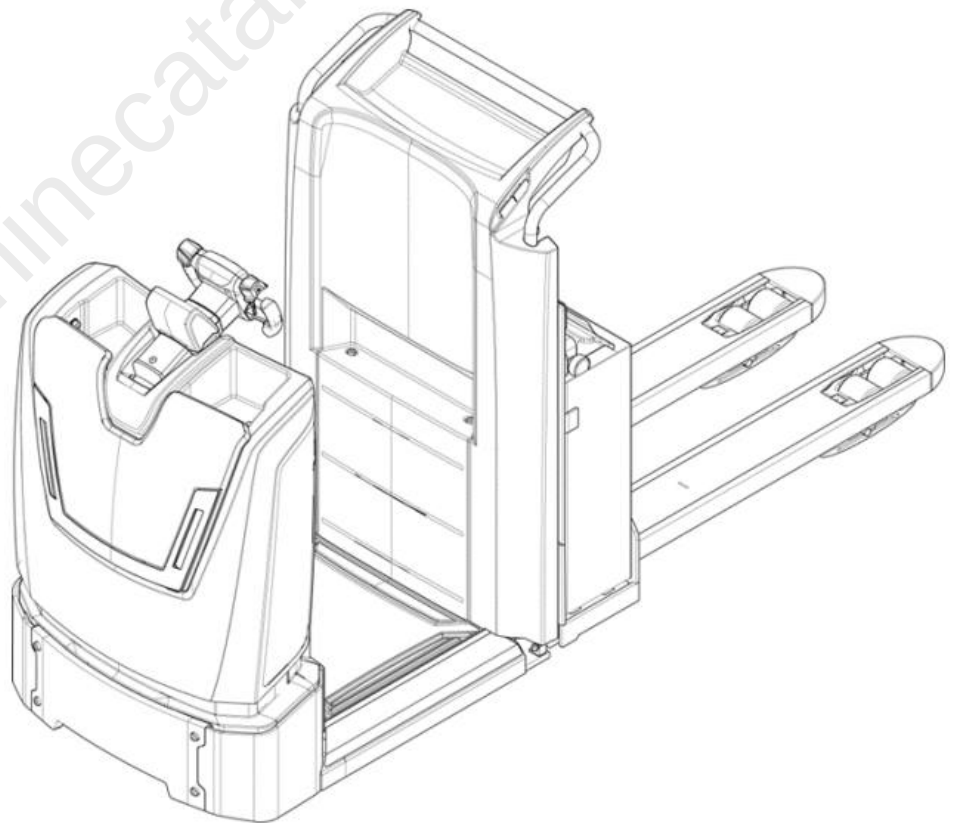
NO

20NE/20NEP

10NEF/10NEFP

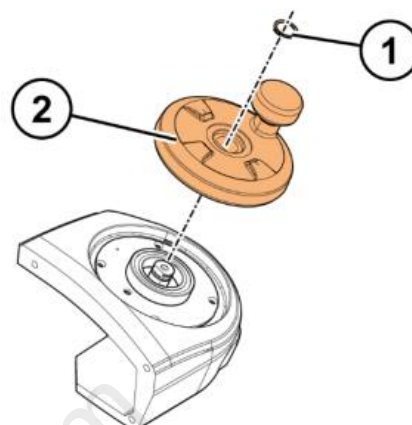
20NEX/20NEXP

NTR30N

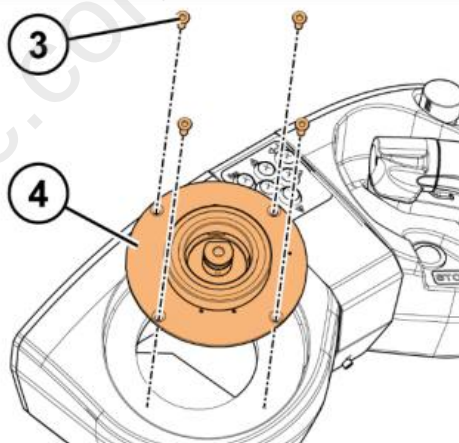


5.13.4 Replace the sensor of the 360° steering wheel

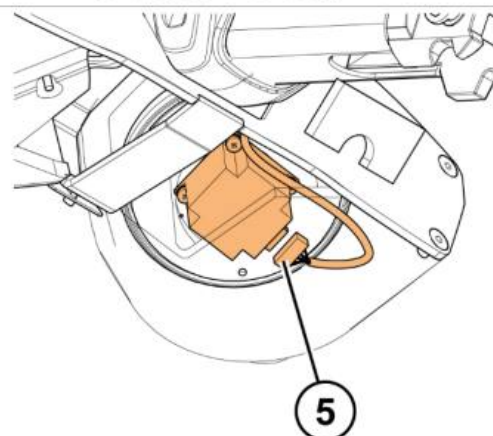
1. Remove the circlip.
2. Remove the steering wheel.



3. Remove the 4 screws.
4. Remove the sensor bracket.



5. Disconnect the steering wheel sensor connector.



9.2.2 Insulation tester check

Connect the test probe to the frame of the truck (for example, to a non-painted bolt or bracket) and the other test probe to another bolt or bracket. The tester must show a zero value.

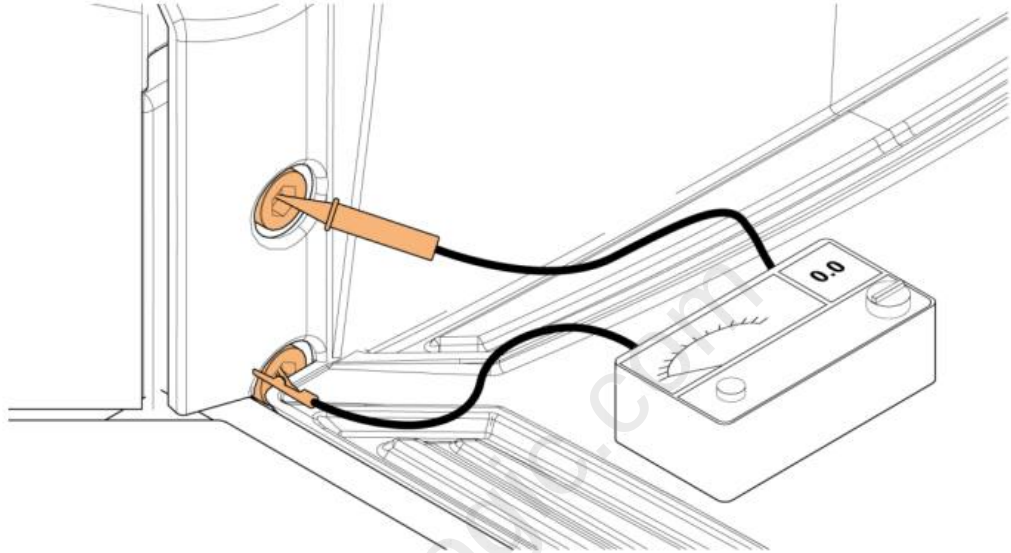


Figure 120. Insulation tester check

9.2.3 Measure the insulation resistance

The test is done with the battery disconnected from the truck. All the electrical components must be in place.

1. Release the emergency stop and set the key switch to the ON position.
2. Connect the test probe to the frame of the truck (for example, to a non-painted bolt or bracket) and the other test probe to the positive terminal of the battery connector.
3. Read the resistance value.
4. Measure and read the negative terminal of the battery connector in the same way.

	BEFORE DAILY USE (USER)	MONTHLY (OWNER)	600 h OR ONCE A YEAR (SERVICE)	1,200 h OR EVERY SECOND YEAR (SERVICE)
Lifting and lowering speed			C	C
Chain lubrication, clean and lubricate if needed			C	C
Lubrication of the mast contact surfaces			G	G
Functionality of the lift sensors in the mast, possible damages			C	C
Test lift with rated load, and with a customer specific load if needed			C	C
Cracking and welding in the mast			C	C
Mounting of any attachments and load carrying components			C	C
Cracking and wear in the fork base			C	C
Cracking in the welds of the masts			C	C
Cracking in the welds of the outer masts and cylinder support			C	C
Cracking in the lift bracket welds			C	C
Cracking and damage in the rollers, roller pins and welds			C	C
Fork carriage				
Cracking and welding in the fork carriage			C	C
Mounting, wear and damage of the forks and the load handling device			C	C
Fork thickness and locking			C	C
Linkage				
Bearings			C	C
Linkage			C	C
Wheels				
Damage and wear in the wheels			C	C
Traction wheel	C	C	C	C
Traction wheel has to be replaced when its diameter reaches 230 mm			C	C

Full Version Available

Caterpillar NTR30N Order Picker Service Manual (624877)

Caterpillar NTR30N Order Picker service manual, covers mast, hydraulics, drive, wiring, and diagnostics. Searchable PDF download.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/caterpillar-ntr30n-order-picker-service-manual-624877/>