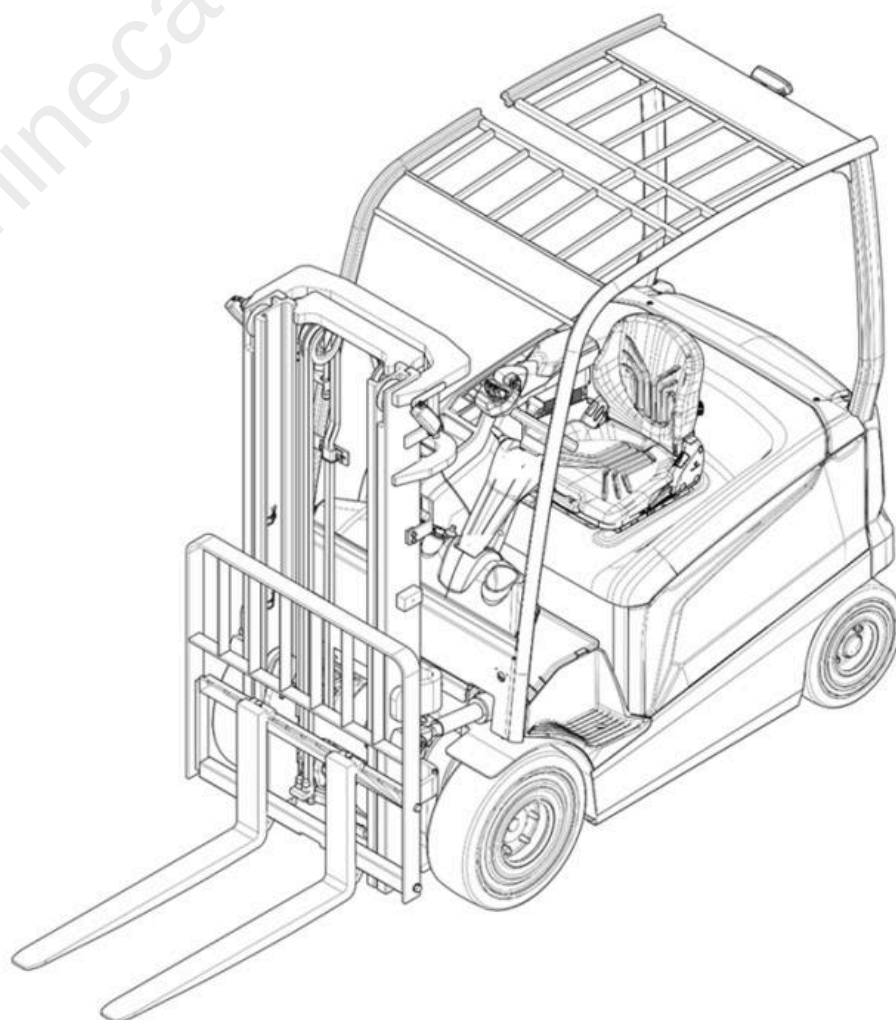




SERVICE MANUAL

FB25-35(C)N

624631-EN B.3



IDENTIFIER	DESCRIPTION
M#	Motor
V#	Diode
A#	Controllers and displays
K#	Contactors and relays
X#	Connector. Contact numbers are marked on individual wires.
XX#	Splice. Multiple wires are connected together at this point.

Figure 156 shows the reference to which Figure 155 referred.

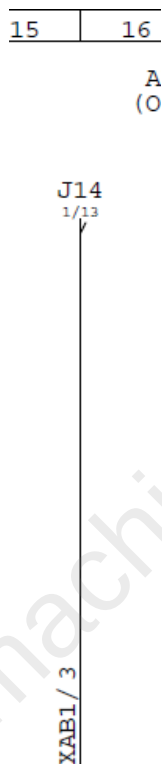


Figure 156. Page 8, zone 16, wiring reference J14

Once again, note the numbers below the wiring reference J14. These numbers (1/13) direct you back to the page (and zone) shown in Figure 155.

INPUTS & OUTPUTS	4 / 9	REV H
	3-7109	

Figure 157. Page numbers (4/9), circuit diagram number (3-7109) and revision letter (H)

11.1 Location of the service socket

Figure 225 shows the location of the service socket for connecting TruckTool to the truck.

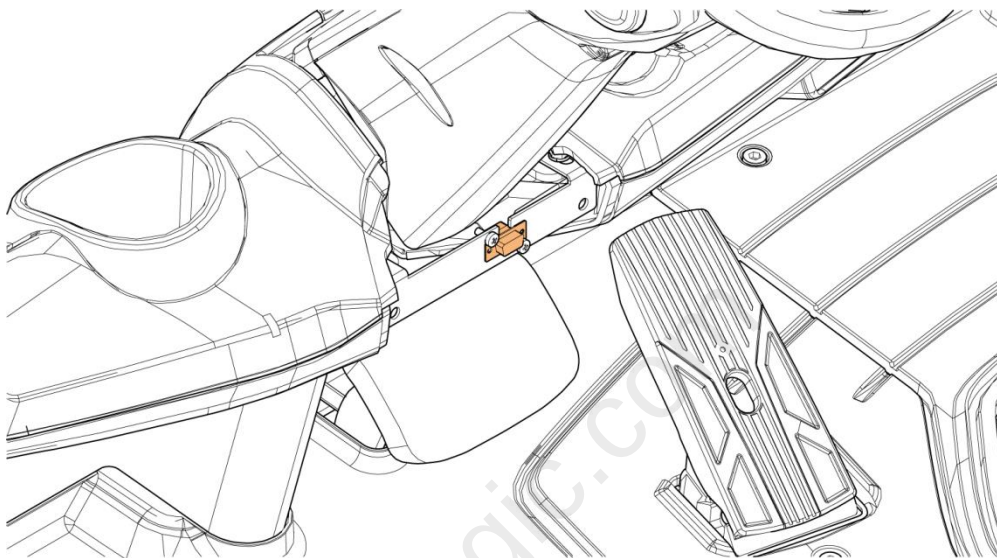
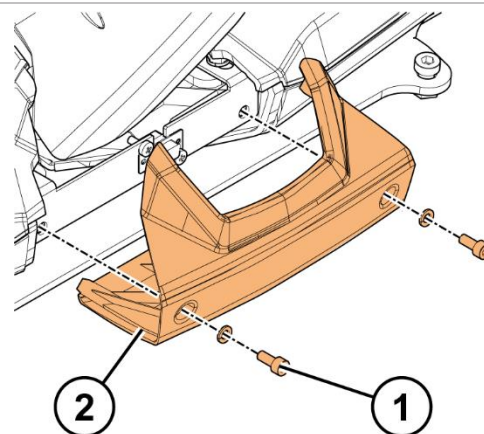


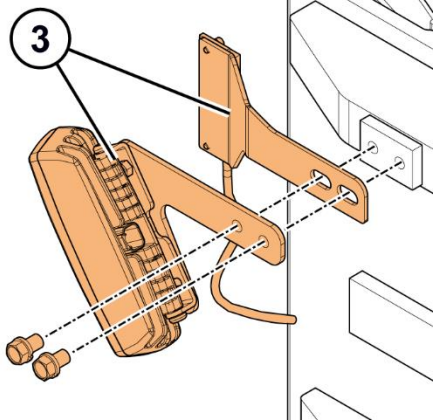
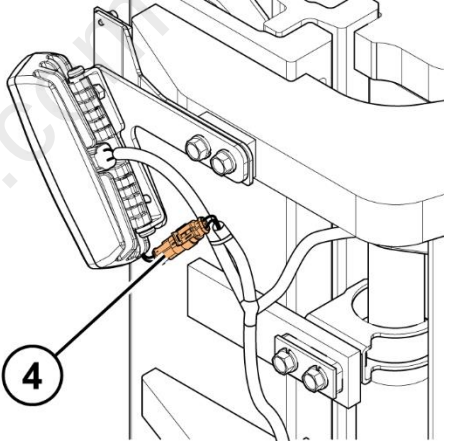
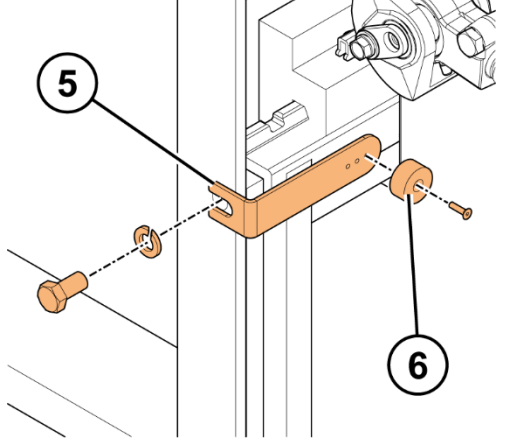
Figure 225. Location of the service socket

11.1.1 Remove the service socket cover

To access the service socket, you must open the service socket cover:

1. Remove the 2 screws that attach the service socket cover to the truck.
2. Remove the service socket cover.



3. Install the mast height sensor and the working light to the mast with 2 screws.	 Diagram 3 shows the mast height sensor and working light assembly being mounted to the mast. Two screws are used to secure the assembly. The sensor is connected to the mast's wiring harness.
4. Connect the sensor connector.	 Diagram 4 shows the sensor connector being connected to the mast's wiring harness. The connector is plugged into the harness, and the sensor is secured with a screw.
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.	 Diagram 5 shows the counterpart of the mast height sensor being installed on the lifting carriage with a screw. Diagram 6 shows the magnetic part of the sensor being installed on the mounting plate with a screw.

8.5 Sensors

8.5.1 Traction motor sensors

8.5.1.1 Temperature sensor

The left and right traction motors have separate temperature sensors.

Type	PTC resistor
Switching output	Variable resistance based on temperature
Electrical wiring	2 wires: red and white. No polarity.

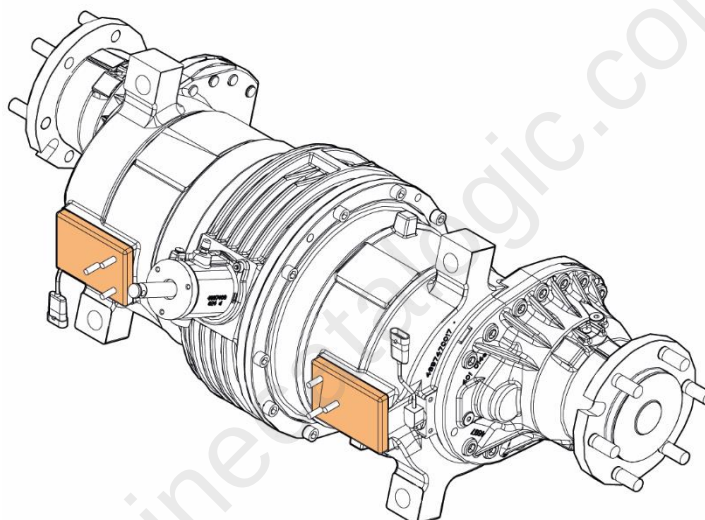


Figure 176. Temperature sensor overview

Functionality check of the temperature sensor

Both traction motors have a separate temperature sensor. The motors also have spare sensors that are beside the temperature sensors and covered with protective caps. When you do troubleshooting, compare the value of the temperature sensor to the value of the spare sensor. If the temperature sensor is broken, connect the spare sensor.

The condition of the temperature sensor can also be verified with a multimeter. The value should be ~580 Ω .

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Mitsubishi FB30CN Forklift Service Manual (624631-EN-B3)

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