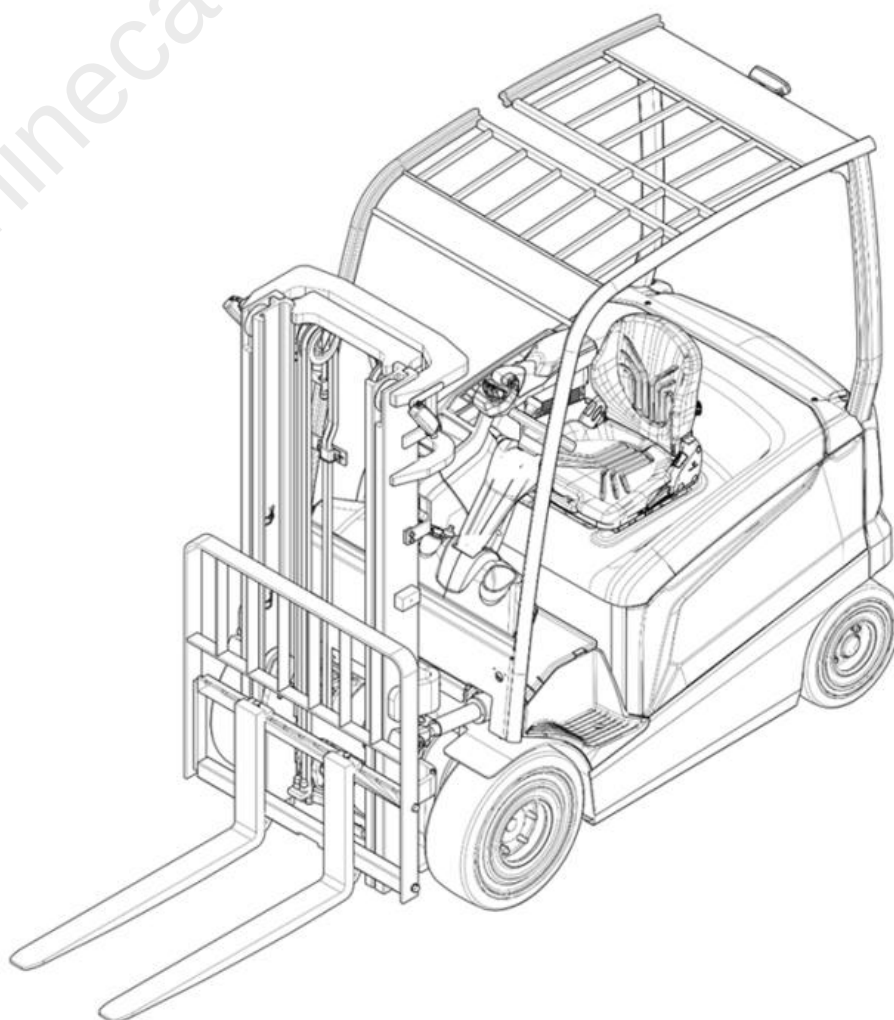




SERVICE MANUAL

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.

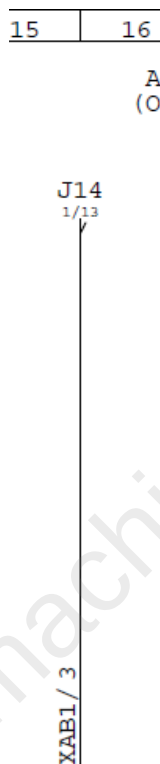


Figure 156. Page 8, zone 16, wiring reference J14

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.

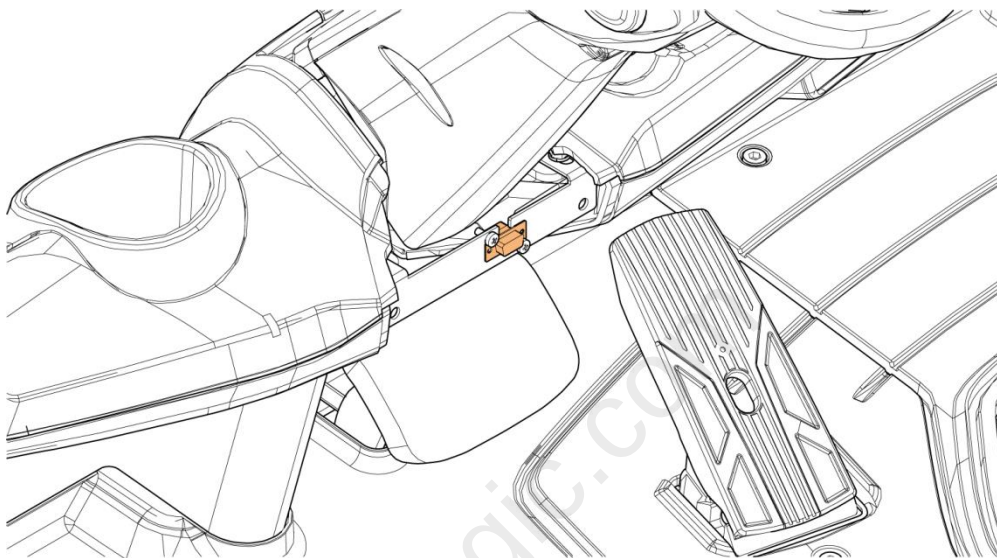
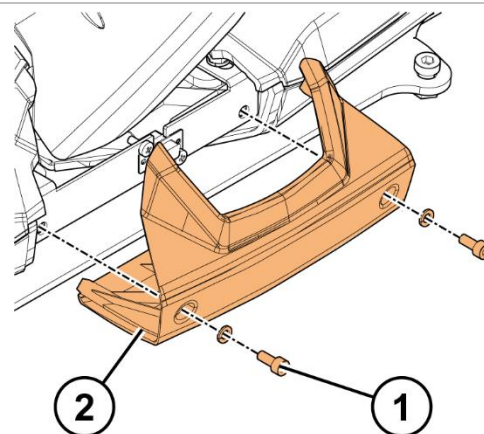


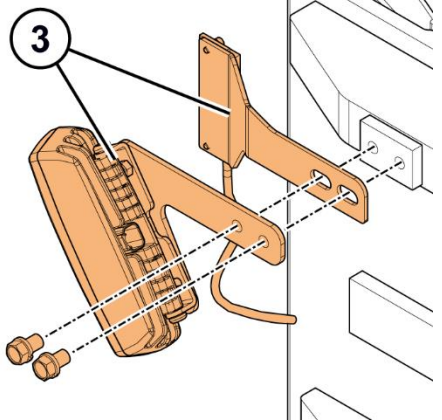
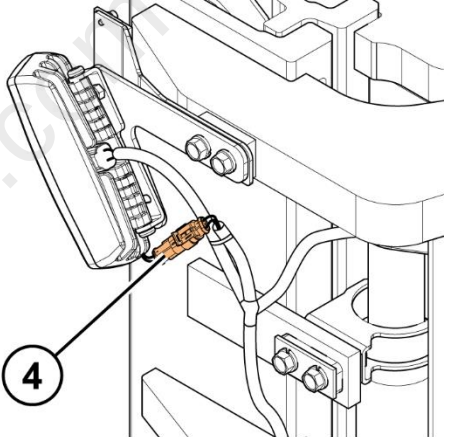
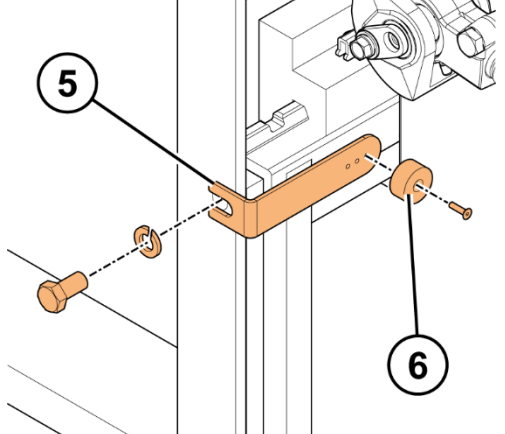
Figure 225. Location of the service socket

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 installation of the mast height sensor and working light. A bracket (3) is shown being attached to the mast structure using two screws. The sensor and light are mounted on the bracket.
4. Connect the sensor connector.	 Diagram 4 shows the connection of the sensor connector. The connector (4) is shown being plugged into the sensor unit.
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 and 6 show the installation of the counterpart of the mast height sensor to the lifting carriage and the magnetic part of the sensor to the mounting plate. Part 5 shows a screw being used to attach the counterpart to the carriage. Part 6 shows a screw being used to attach the magnetic part to the mounting plate.

9.2.3 Measure the insulation resistance

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

1. Release the emergency stop and turn 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.

9.2.3.1 Insulation resistance of the truck

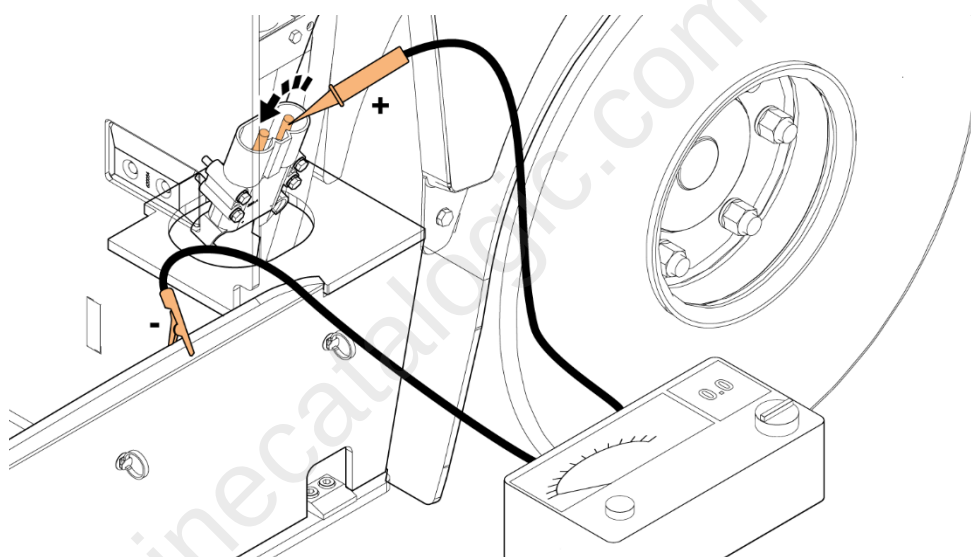


Figure 201. Measure the insulation resistance of the truck

The insulation resistance between the live parts of all the electric components and the frame of the industrial truck with the exception of the battery is at least 1000 Ω multiplied by the nominal voltage of the truck system.

NOMINAL VOLTAGE	MINIMUM INSULATION RESISTANCE
24 V	24,000 Ω
36 V	36,000 Ω
48 V	48,000 Ω
80 V	80,000 Ω

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Mitsubishi FB35N Forklift Service Manual (624631-EN-B3)

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