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INSTALLATION GUIDE

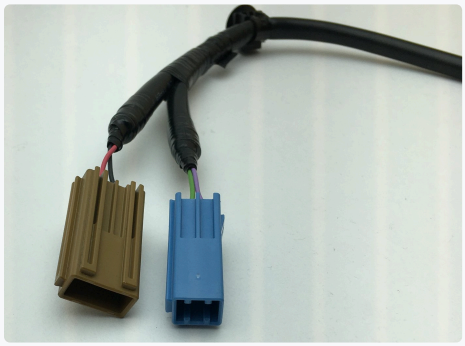
Seat simulator

Mazda MX-5 ND · Fiat 124 Spider

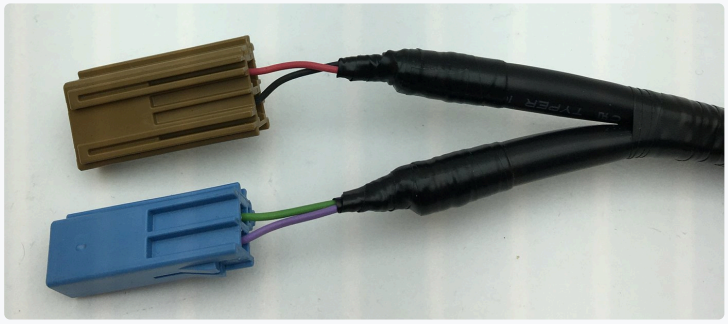
What you need

Side cutters, wire strippers, soldering iron, solder and heat-shrink tubing.

1. Switch off the ignition.
2. Disconnect the battery.
3. Look under the passenger seat for the two connectors of the seat occupancy mat: the brown connector with a red and a black wire and the blue connector with a green and a purple wire.



THE TWO CONNECTORS FROM THE FRONT



THE SAME CONNECTORS FROM THE SIDE

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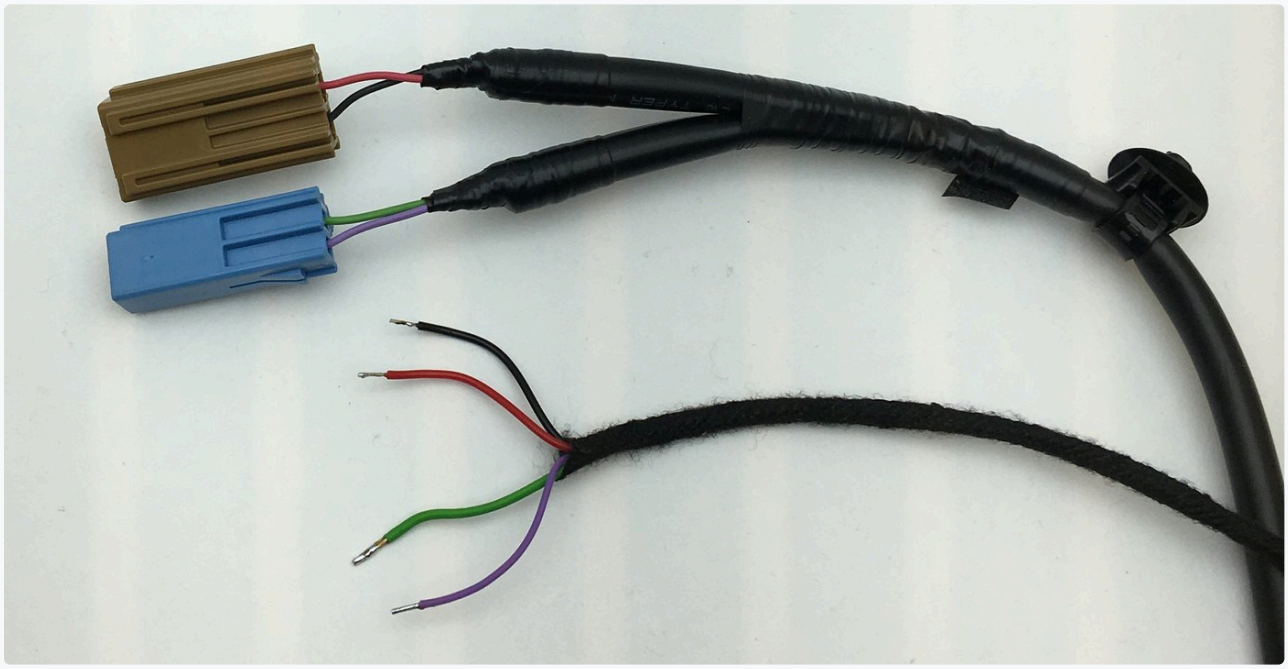
4. Cut through the four wires of the seat occupancy mat behind the two connectors with side cutters. Leave enough wire on the connectors for soldering.

5. Strip the wire ends and slide a piece of heat-shrink tubing onto each wire.

6. Solder the simulator to the wires of the two connectors, always matching colour to colour:

Wire colours

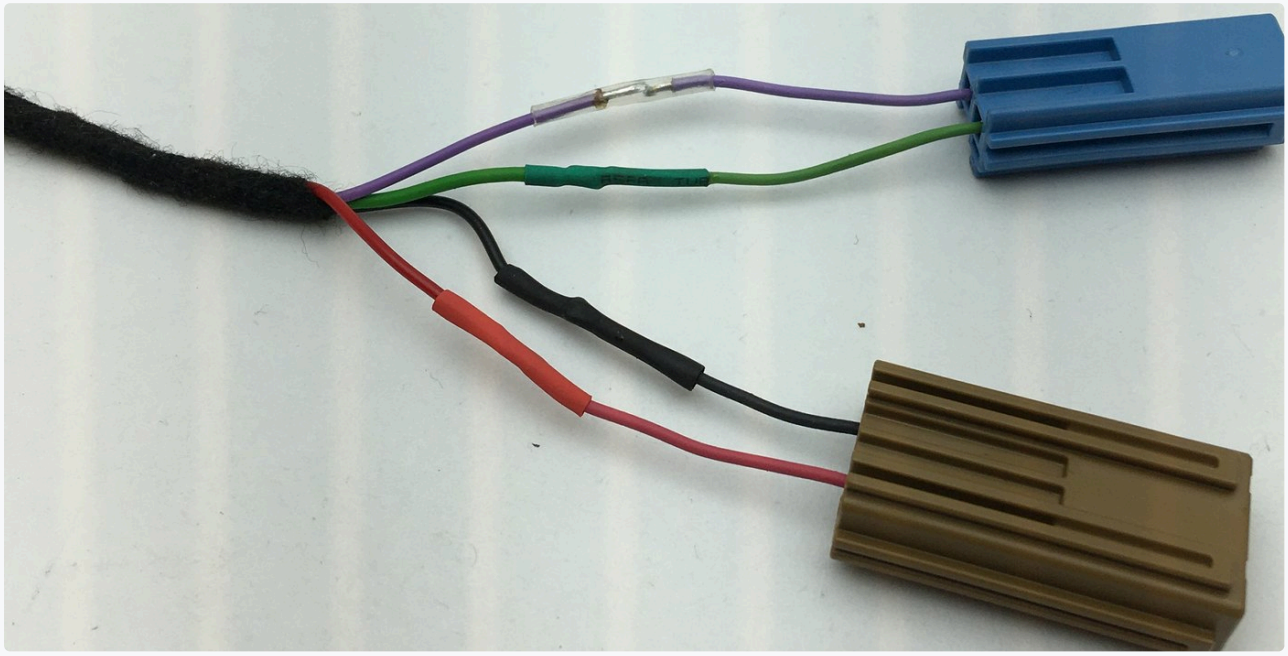
- Brown connector: **red to red** and **black to black**
- Blue connector: **green to green** and **purple to purple**



THE CONNECTORS AND THE SIMULATOR'S FOUR WIRES BEFORE SOLDERING

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7. Slide the heat-shrink tubing over the soldered joints and shrink it with heat.



SOLDERED IN, WITH THE JOINTS INSULATED

8. Plug the two connectors back in if you disconnected them.

9. Disconnect the two-pin grey connector of the seat belt warning signal. It must not be connected.

10. Secure the simulator to the seat (tape or cable ties).

11. Reconnect the battery.

12. Switch the ignition back on.

After Installation

If the airbag warning light or the seat occupancy light does not go out, have the airbag system fault memory cleared. If the light stays on afterwards, the cause is not the seat occupancy mat.

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IMPORTANT INFORMATION

Purpose and Safety

This device is designed for diagnosis and fault finding. It lets you check whether a fault shown in the instrument cluster is caused by a faulty seat occupancy mat or its sensor.

If the seat occupancy mat is damaged, the fault and the warning light will clear temporarily once the simulator is fitted. If the cause lies elsewhere, the warning light stays on.

Intended Use

- This tool is **for diagnostic purposes only**.
- It **does not replace the original sensor** and is not a permanent repair.
- It does not permanently impair the vehicle's safety system.

Important: removal

On this vehicle the simulator is soldered in. To remove it, the original wiring must be restored. Have both installation and removal carried out by a specialist workshop.

As long as the seat simulator is installed, the airbag control unit treats the passenger seat as occupied even when no one is sitting in it. In a collision the **passenger airbag** will therefore deploy even with the seat empty. The vehicle's other airbags are not affected. Please observe the following safety warning:

SAFETY WARNING

As long as the seat simulator is installed, a rear-facing child seat must never be fitted to this seat!

Safety-relevant parts should only be installed and removed by a specialist workshop.

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