

Make/model	Mercedes X-Class EXY
Manual no.	CDL_IS_53.27_EXY_EXTREME_Assembly_Exhaust_Sound_System_ANG_v1.0_06022019
Manual name	Pickup Design V8 Exhaust Sound System installation
Made by	Przemysław Woźniczko, Maciej Andrzejczyk
Date	27 June 2018

List of tools:

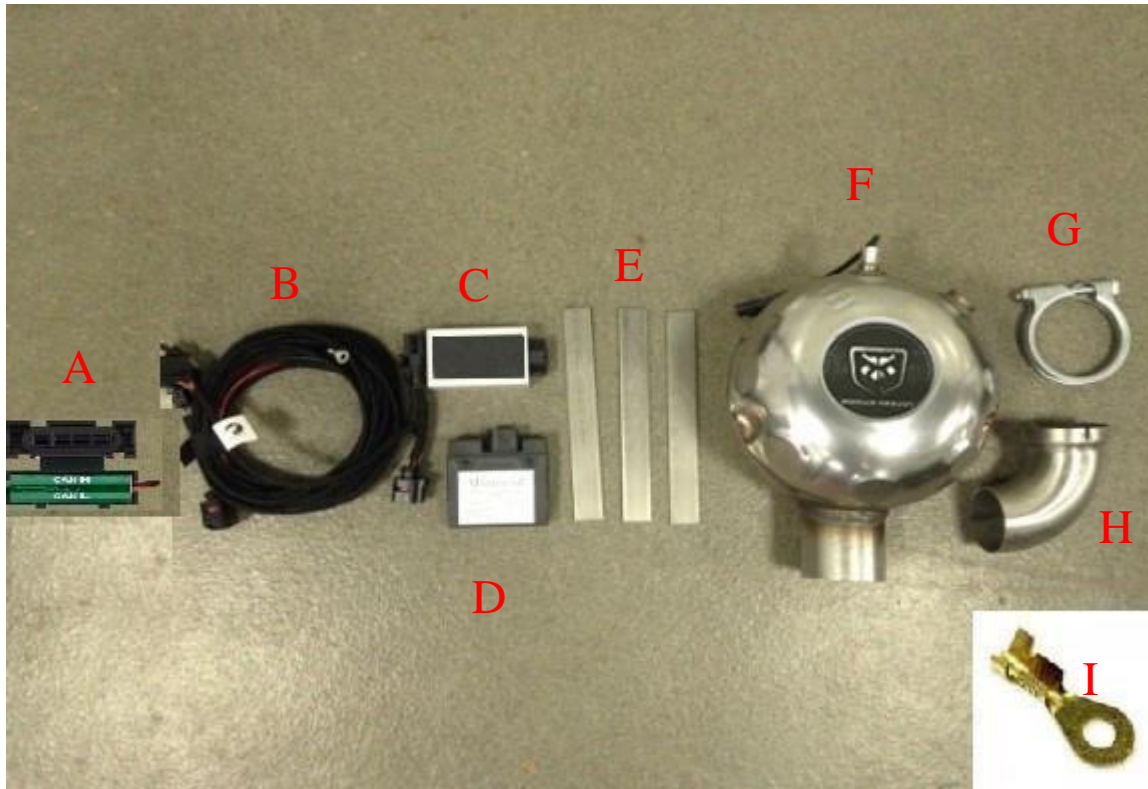
1	Ratchet wrench	2	14mm socket wrench
3	Extension	4	Upholstery tools
5	Knob	6	10mm socket wrench
7	Soldering tool	8	Solder
9	Insulating tape	10	Pliers for connectors



Fitting time:

Person 1	60 minutes
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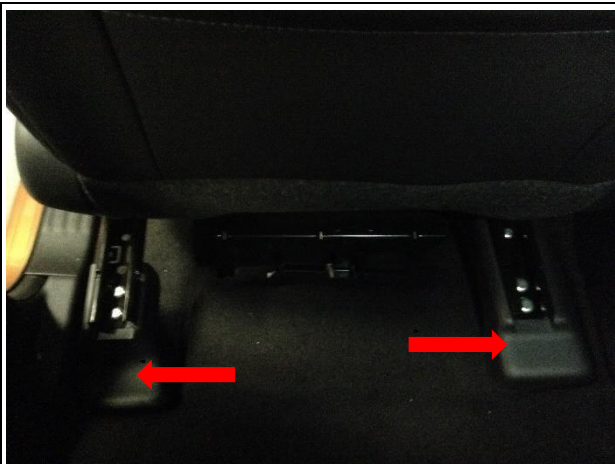
List of components:



A. CAN signal reader	B. Main installation	C. Bluetooth module
D. Main driver	E. Metal boards - 3 pcs	F. Loudspeaker
G. Clamp	H. 90° elbow	I. Connector



List of activities:



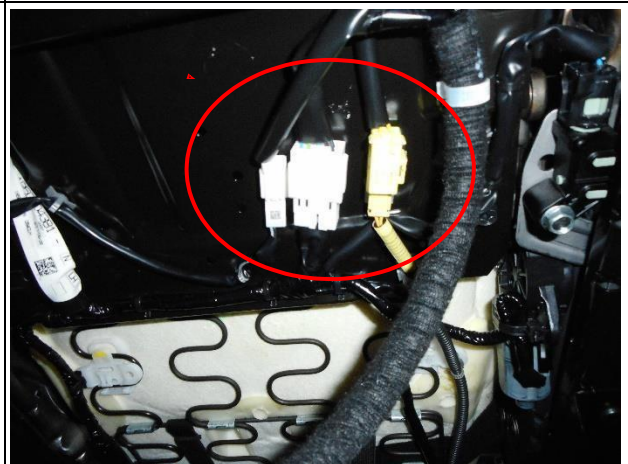
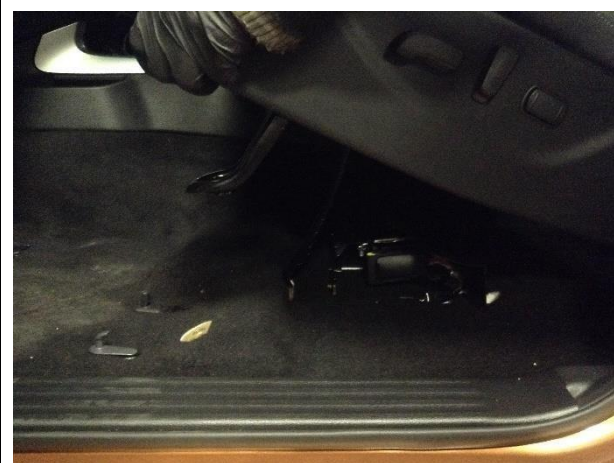
1. Slide the seat to the front. Remove plastic seat slider covers by pulling their bottom parts to the sides. Remove bolts fastening the seat sliders, using a 14mm socket wrench.



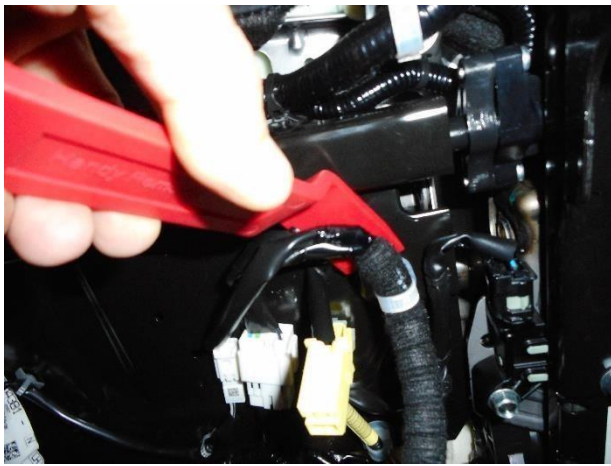
2. Slide the seat to the back. Remove the left plastic seat slider cover by pulling its upper part to the sides. Remove bolts fastening the seat sliders, using a 14mm socket wrench.



4. Unfasten the “-“ battery clamp with a 10mm ring spanner to disconnect the battery.



4. Lift the front part of the seat. Disconnect the plugs located under the seat base.

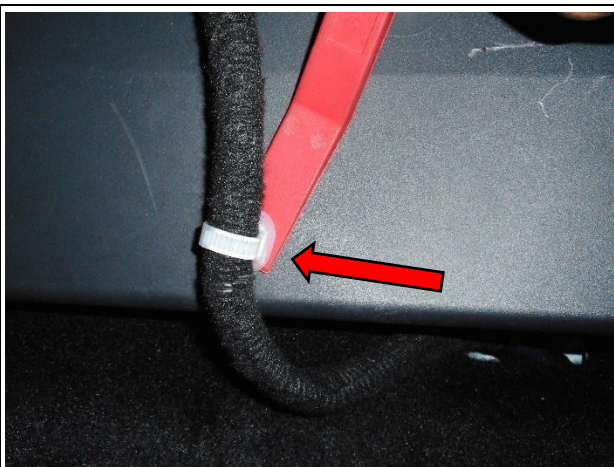


5. Remove the wires from the seat, using an upholstery tool.

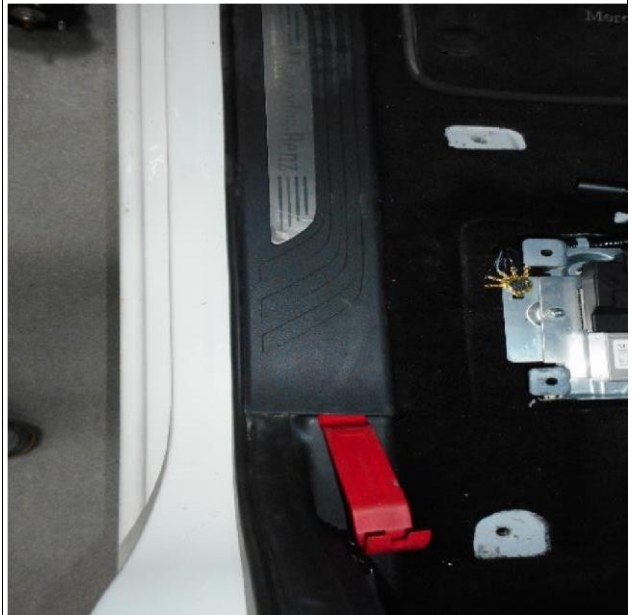
6. Remove the seat.



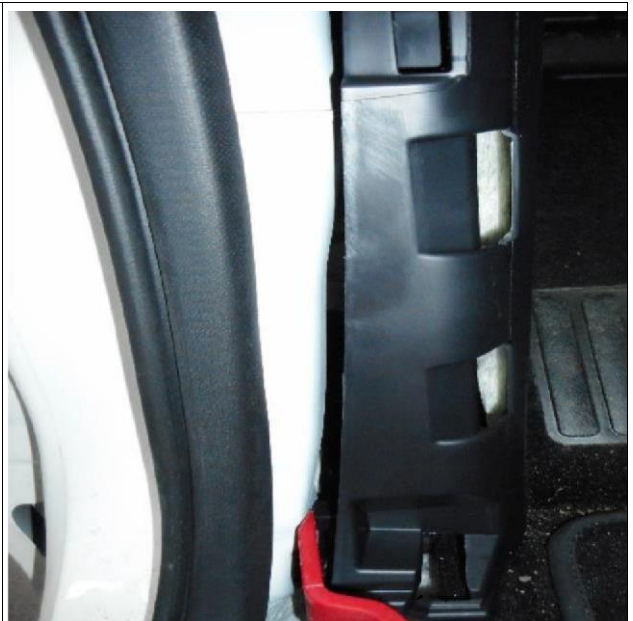
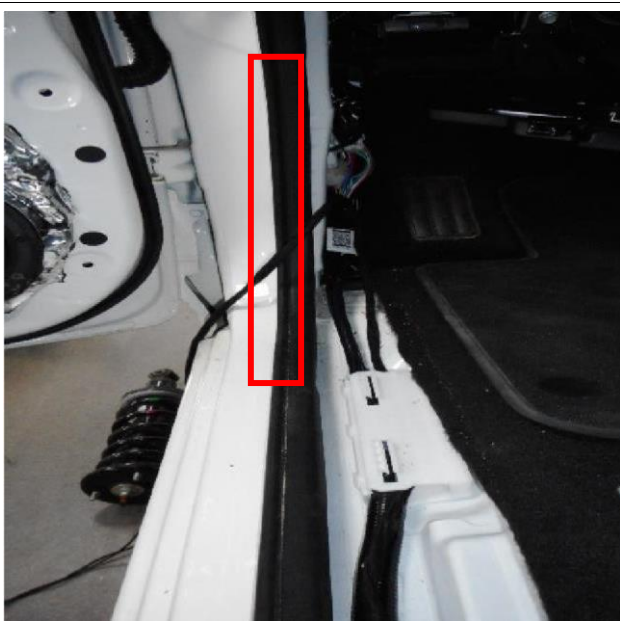
7. Remove the plastic cover.



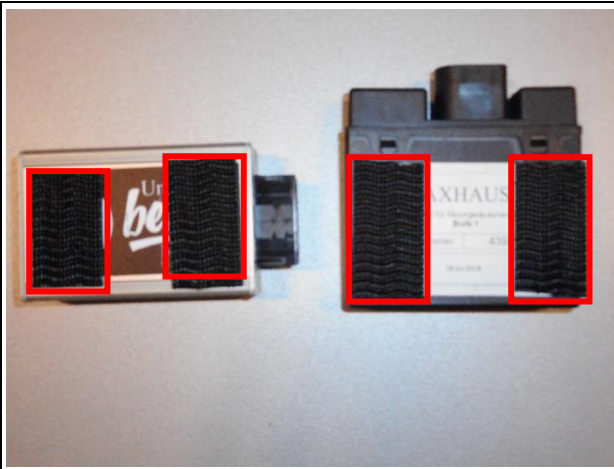
8. Prise the wires with an upholstery tool to remove them.
9. Remove plastic pins mounting the cover, using an upholstery tool.



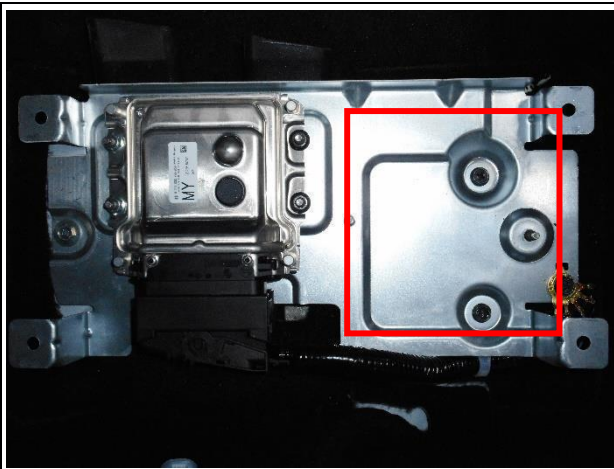
10. Remove the plastic sill protector by prising its rear part with an upholstery tool. Prise along the edge towards the front of the protector.



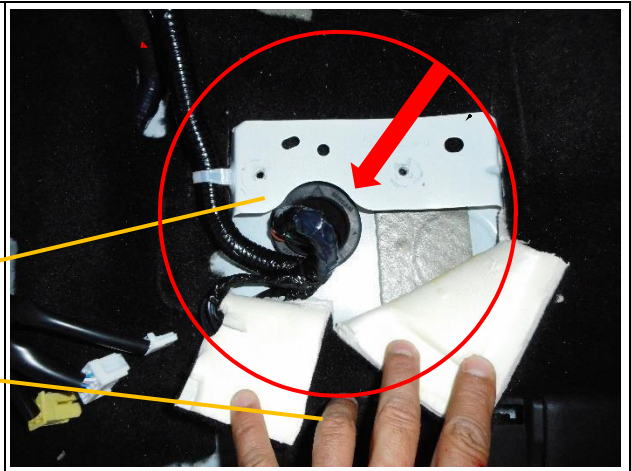
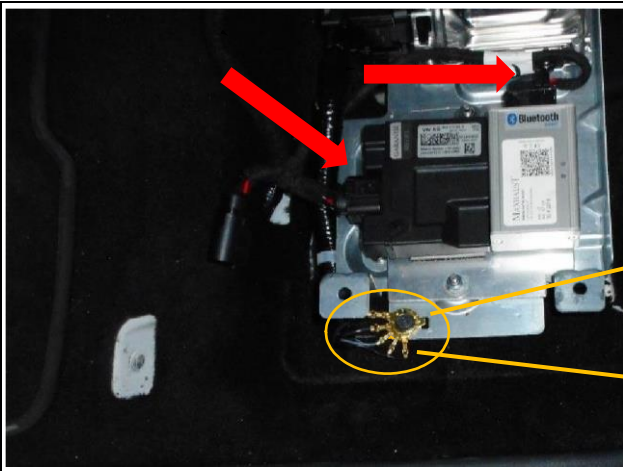
11. Remove the plastic electrical wiring cover by prising it with an upholstery tool.



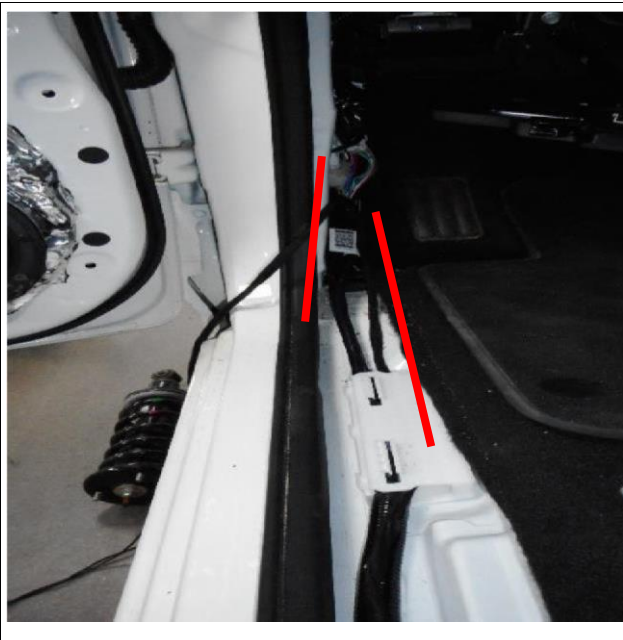
12. Attach stripes of 3M Dual Lock tape to the Bluetooth module and the main module.
13. Cut 4 stripes of the tape of the same length as those described in point 12. Join them.



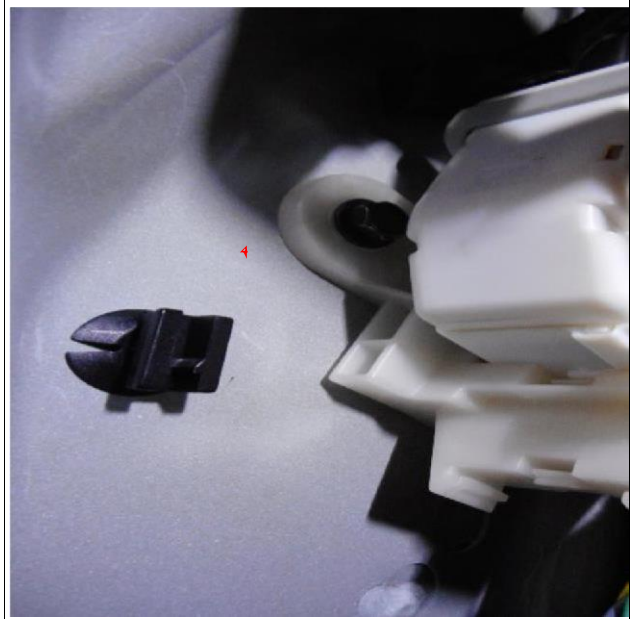
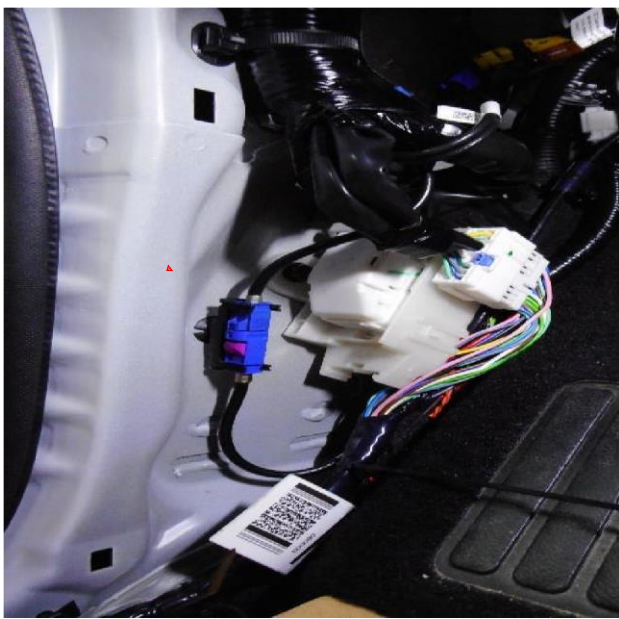
14. Affix the Bluetooth module and the main module in the place marked.



15. Connect the wires to the module and the driver.
16. Lift the mat. Put the loudspeaker wire through the slot.



17. Attach the power cord and CAN signal wires to the original wires, using cable ties.



18. Disconnect the vehicle installation plug.

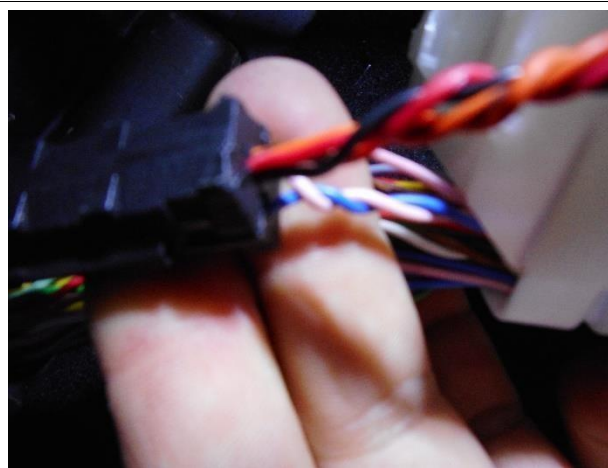
19. Remove the plug from the body, using a 10mm socket wrench.



20. Remove the wire cover next to the removed plug. Find a blue and a pink CAN signal wire.

NOTE

There are a few wires of those two colours. Find the wires that are attached to each other.



21. Fit the CAN reader to the wires:

CAN-H – blue wire CANL –

pink wire

Clip the CAN reader with a cable tie. Insulate the installation and the CAN reader.

NOTE

If there is no CAN reader, connect the Pickup Design V8 Exhaust Sound System wires directly to the wires described in point 20.

22. Screw and connect the plug removed in points 18-19.

23. Connect CAN signal wires of the Pickup Design V8 Exhaust Sound System module with the CAN reader signal wires:

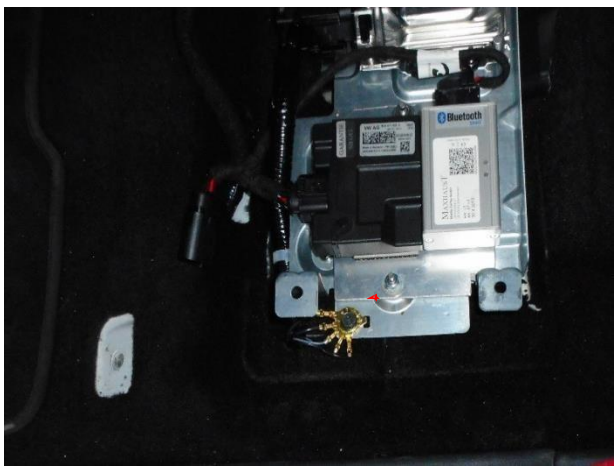
a) black and white one with the orange and green one

b) black and yellow one with the orange and black one using a soldering tool and solder. Insulate the wires.

24. Connect the Pickup Design V8 Exhaust Sound System module power cord (red) with the CAN reader power cord (red), using a soldering tool and solder. Insulate the wires.



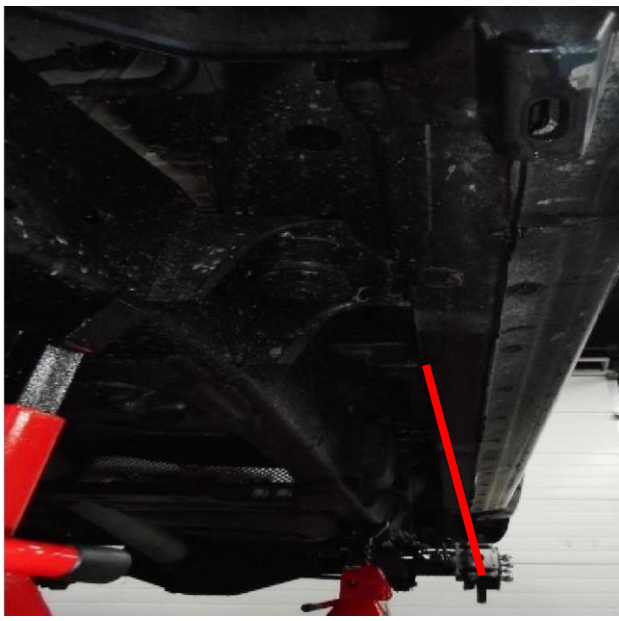
25. Attach the ground wire to the original installation, using cable ties.



26. Press the connector over the CAN reader and the Pickup Design V8 Exhaust Sound System module ground wires, using pliers. Affix ground cables in the original spot, using a 10mm socket wrench.



27. Find a green wire (big plug) in the seat installation.
28. Remove the insulation of the wire. Connect the Pickup Design V8 Exhaust Sound System power cord with the green wire, using a soldering tool and solder. Insulate the wire and the installation.



29. Run the loudspeaker wire along the vehicle frame, mounting it to the original installation with cable ties.
30. Put the loudspeaker wire to the inner side of the frame. Attach it to the original installation with cable ties.



31. Run the loudspeaker wire along the inner side of the frame. Attach it to the original installation with cable ties.



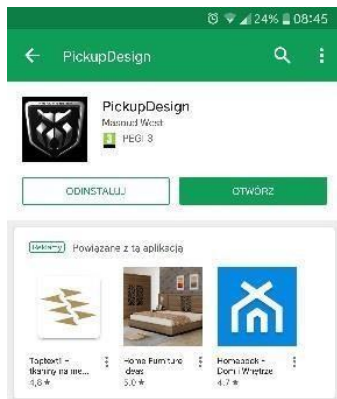
32. Fit and weld metal boards to the loudspeaker. Drill holes in each board to mount the loudspeaker in the car.



33. Connect the entire structure with 8mm screws, using two wrenches (13).



34. Connect the plug to the wire and use the Pickup Design application to check if the system operates correctly.



35. Download the Pickup Design application from Google Play. Open the application to automatically start the Pickup Design V8 Exhaust Sound System Bluetooth module. The icon changes the colour from red to green when the system is connected and the Pickup Design V8 Exhaust Sound System module is on.