



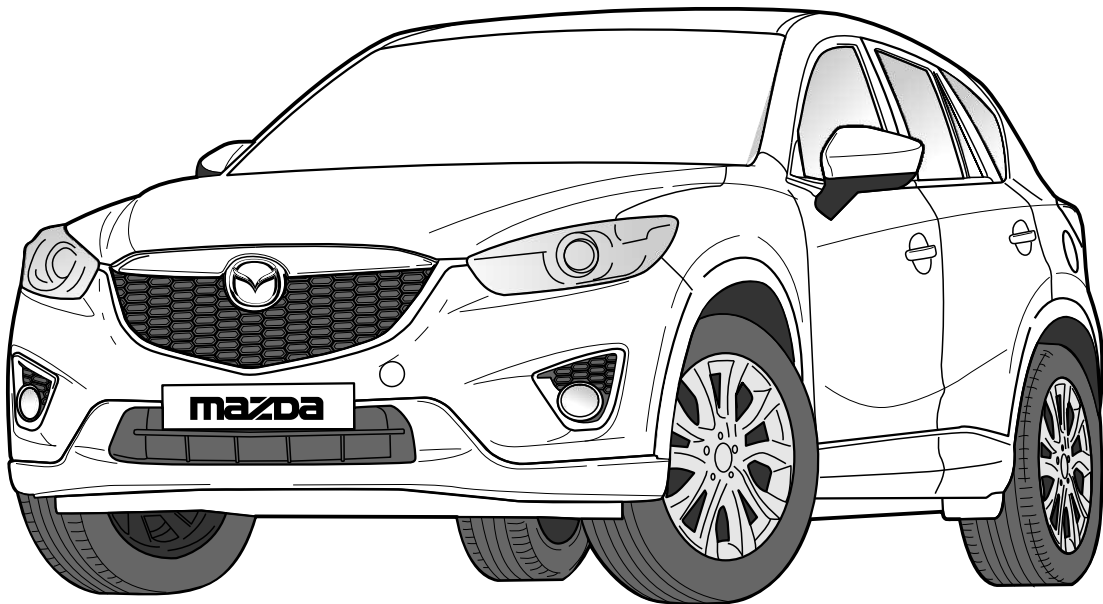
mazda

Mazda CX-5

Kit Part No: KE11ACPSR

Fitting Time: 60 minutes

KE11ACPSR16W	BLACK MICA
KE11ACPSR27A	VELOCITY RED MICA
KE11ACPSR34K	CRYSTAL WHITE PEARL MICA
KE11ACPSR35J	STORMY BLUE MICA
KE11ACPSR36C	METROPOLITAN GREY MICA
KE11ACPSR38P	ALUMINIUM METALLIC
KE11ACPSR41B	SKY BLUE MICA
KE11ACPSR41G	ZEAL RED MICA



Reverse Park Assist Fitting Instructions



General Notes

- Read through the fitting instructions before installation of accessory.
- Always install the Mazda Reverse Park Assist following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable components and packaging are discarded and recycled following local recycling regulations.
- It is always recommended that the Mazda Reverse Park Assist is fitted by a qualified Mazda Technician.
- Safely store and protect any removed vehicle components.

Safety Notes

- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.

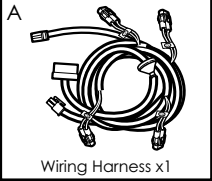
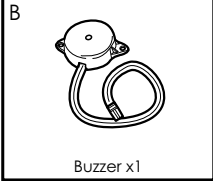
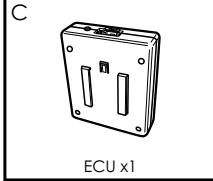
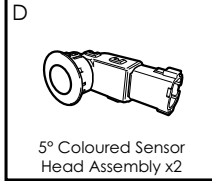
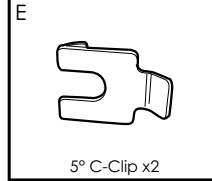
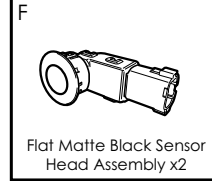
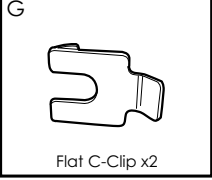
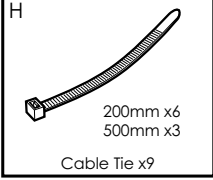
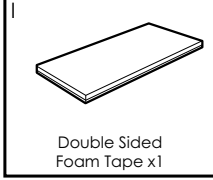
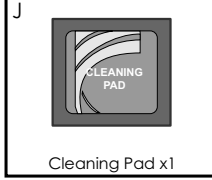
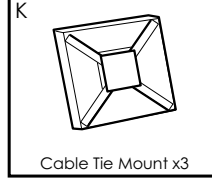
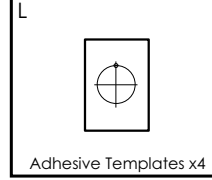
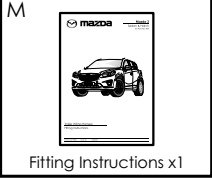
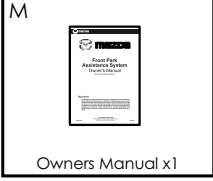


Fitting Time




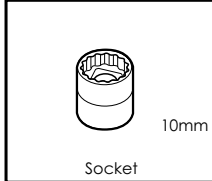
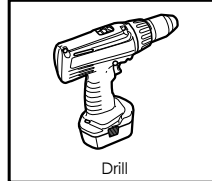
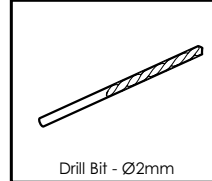


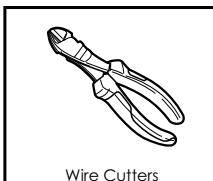


60 minutes

Parts Supplied

 Wiring Harness x1	 Buzzer x1	 ECU x1	 5° Coloured Sensor Head Assembly x2	 5° C-Clip x2	 Flat Matte Black Sensor Head Assembly x2
 Flat C-Clip x2	 200mm x6 500mm x3 Cable Tie x9	 Double Sided Foam Tape x1	 CLEANING PAD Cleaning Pad x1	 Cable Tie Mount x3	 Adhesive Templates x4
 Fitting Instructions x1	 Owners Manual x1				

Tools and Materials Required

 Phillips Head Screw Driver	 Trim Removal Tools	 Ratchet	 10mm Socket	 Drill	 Drill Bit - Ø2mm
 Stepped Drill Bit - Ø24mm	 Masking Tape	 Wire Cutters			



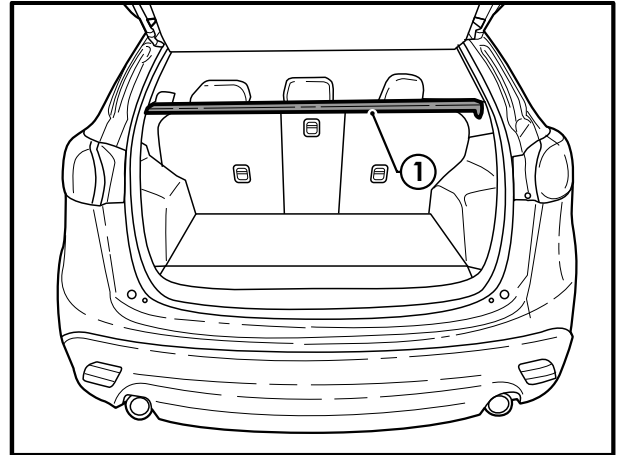
– Step 1

Important



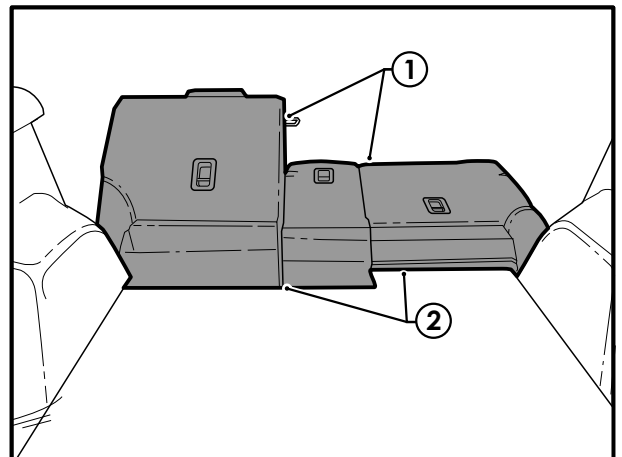
Always refer to the vehicle's Workshop Manual when removing vehicle components.

- Note down all clock and radio settings.
- In the engine bay, disconnect the negative battery terminal.
- In the luggage compartment, remove the sunshade (1).



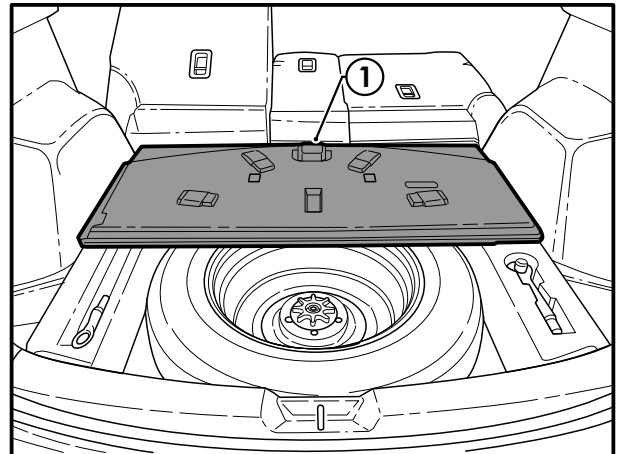
– Step 2

- Fold the rear seats (1) forward and unclip the seat carpet flaps (2).



– Step 3

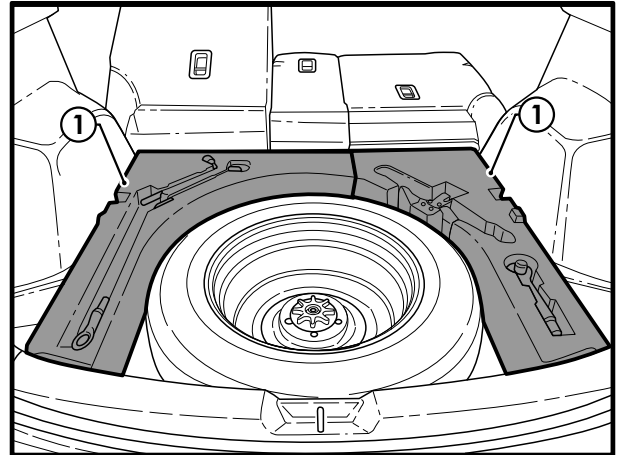
- Fold the rear section of the floor cover carpet (1) forward and remove.





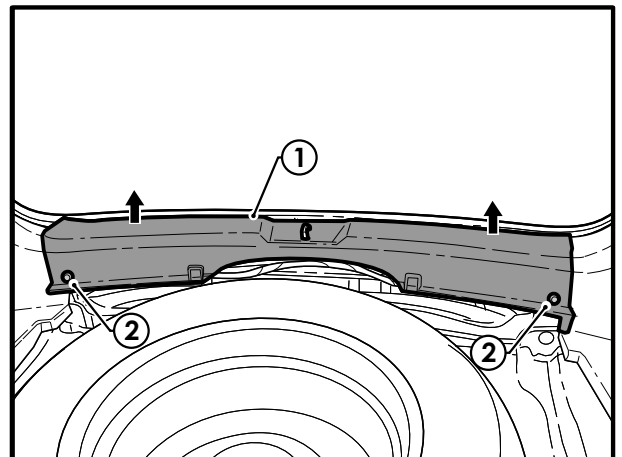
– Step 4

- Remove the LHS & RHS tool trays (1).



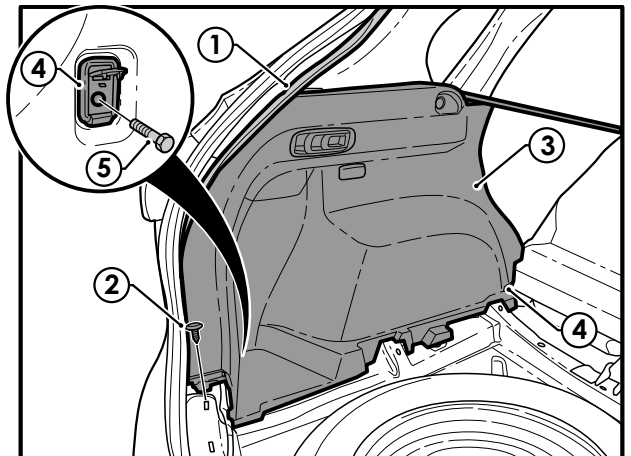
– Step 5

- Remove the rear trim (1) by first removing the two clips (2) and pulling in an upwards direction.



– Step 6

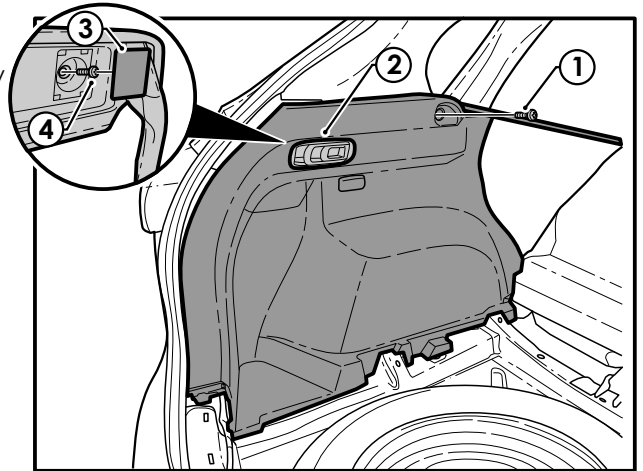
- Dislodge the rubber weather seal (1).
- Remove the clip (2) from the LHS luggage compartment trim (3).
- Remove the two cargo hooks (4) by lifting the cover and removing the 10mm bolts (5).





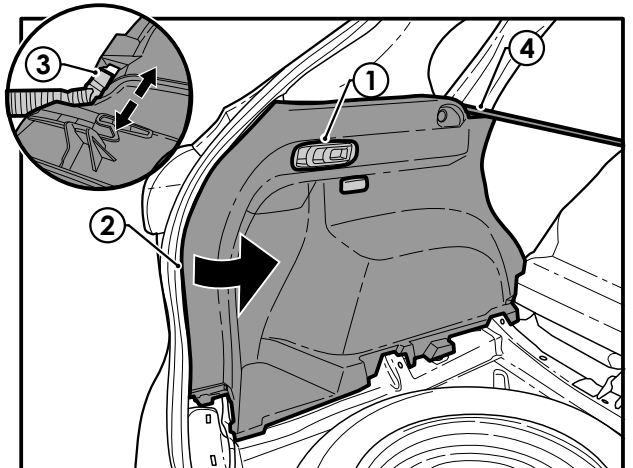
— Step 7

- Remove the upper Phillips head screw (1).
- Lift the rear seat release handle (2), remove the plastic screw cover (3) and remove the Phillips head screw (4) underneath.



— Step 8

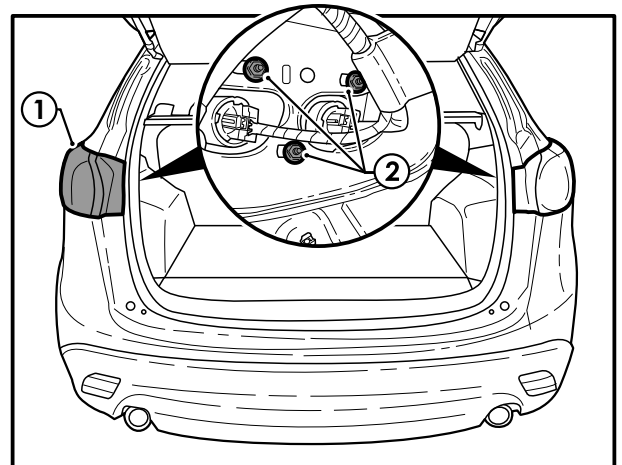
- Dislodge the rear seat release handle (1).
- Dislodge the LHS luggage compartment trim (2) and disconnect the light connector (3).
- Unhook the seat belt (4) from the top of the LHS luggage compartment trim (2).
- Remove the LHS luggage compartment trim (2).



— Step 9

- Remove the LHS tail lamp (1) by first removing the three 10mm bolts (2) and disconnecting the tail light connectors.

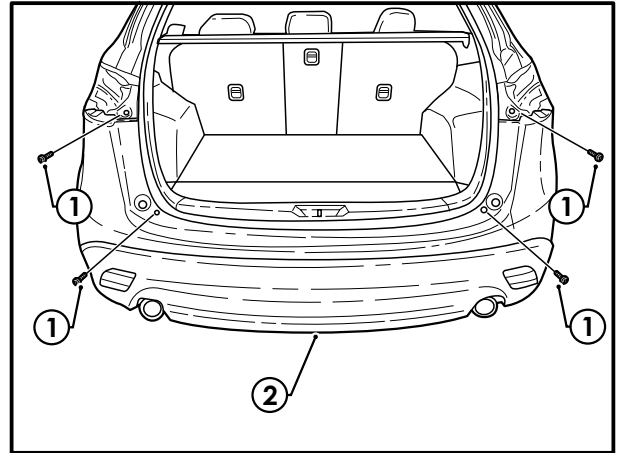
Repeat for the RHS.





– Step 10

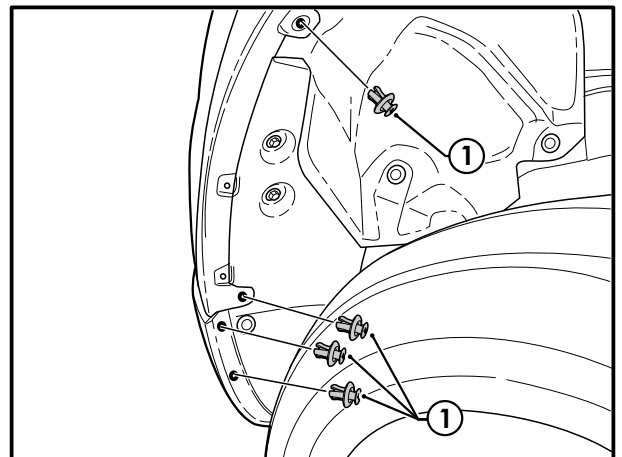
- Remove the four Phillips head screws (1) located on the rear bumperfascia (2).



– Step 11

- In the RHS rear wheel arch, remove the four clips (1).

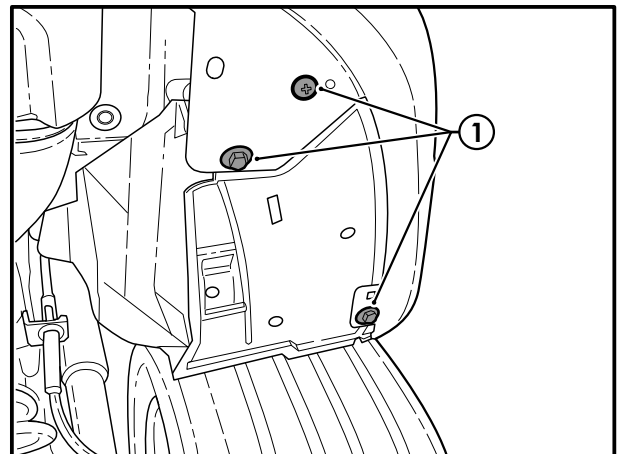
Repeat for the LHS.



– Step 12

- Remove the Phillips head screws (1) located under the rear bumperfascia, behind the LHS rear wheel.

Repeat for the RHS.





– Step 13

- Carefully dislodge the RHS plastic wheel arch trim (1).

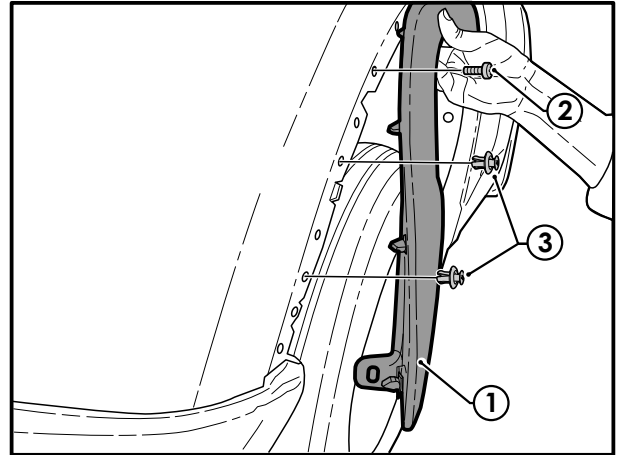
Important



Ensure the plastic wheel arch trim doesn't twist or bend when it is dislodged.

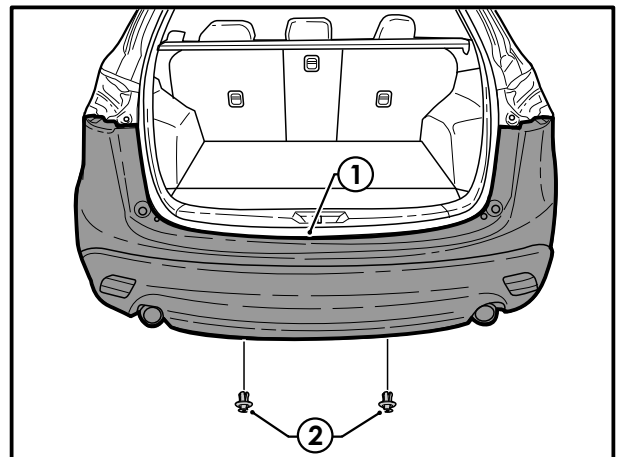
- Remove the Phillips head screw (2) and the two clips (3).

Repeat for the LHS.



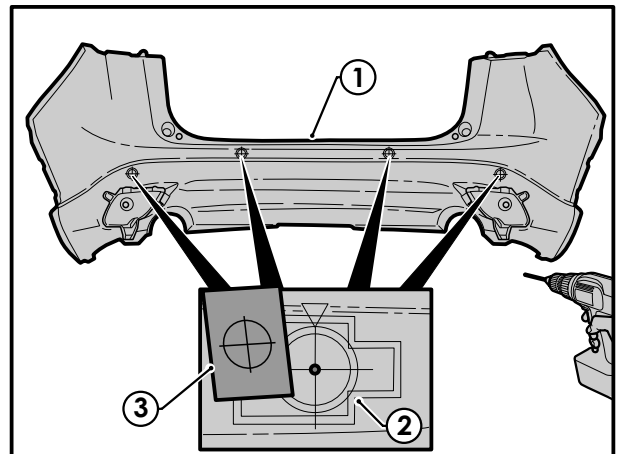
– Step 14

- From underneath the rear bumper fascia (1), remove the two clips (2).
- Remove the rear bumper fascia (1).



– Step 15

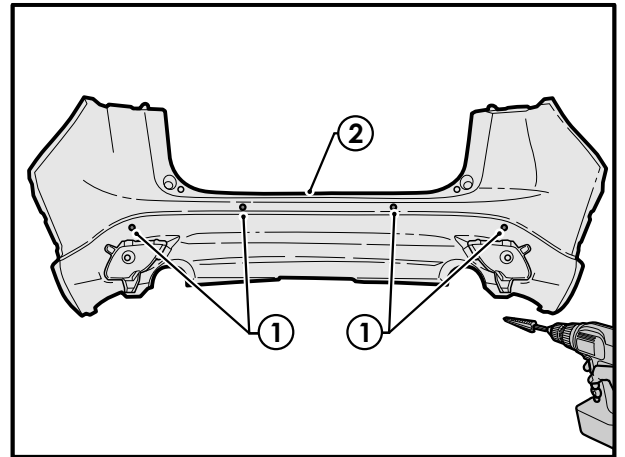
- On the inside of the rear bumper fascia (1), locate the factory sensor markings (2).
- Adhere the supplied adhesive templates (3) over the factory sensor markings (2), ensuring that the centres align with the factory sensor markings (2).
- Using a Ø2 mm drill bit, drill pilot holes in the centre and the top as indicated on the adhesive templates (3).





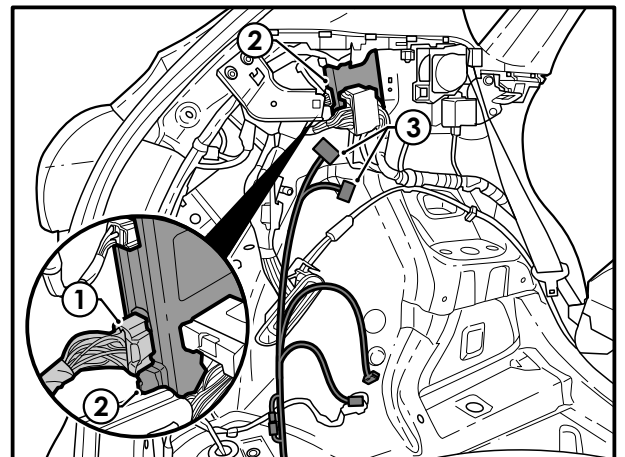
– Step 16

- Using a $\varnothing 24$ mm stepped drill bit, drill out the pilot holes (1) from the rear bumper fascia (2).



– Step 17

- Disconnect the vehicle 'BLUE' 18-way connector (1) from the rear BCM (2).
- Connect the RPA Harness 18-way patch connectors (3) in between the 'BLUE' vehicle connector (1) and the rear BCM (2).



– Step 18

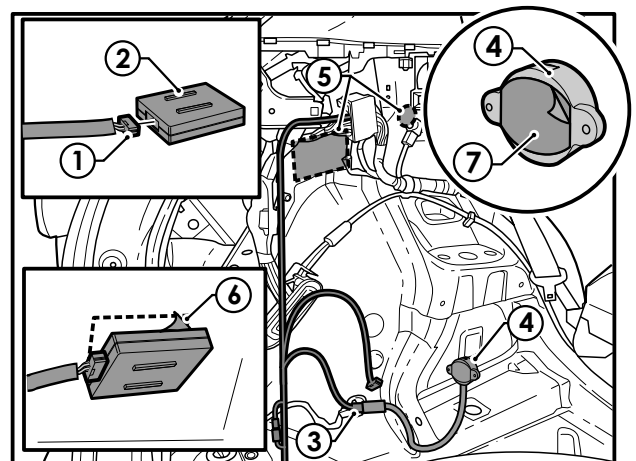
- Connect the RPA Harness ECU connector (1) to the ECU (2).
- Connect the RPA Harness 2-way connector (3) to the buzzer (4).
- Clean the areas (5) of the vehicle sheet metal where the ECU (2) and the buzzer (3) will be mounted as well as the underside of the ECU (2).

Important



Allow the area cleaned with the supplied cleaning pad to dry before proceeding.

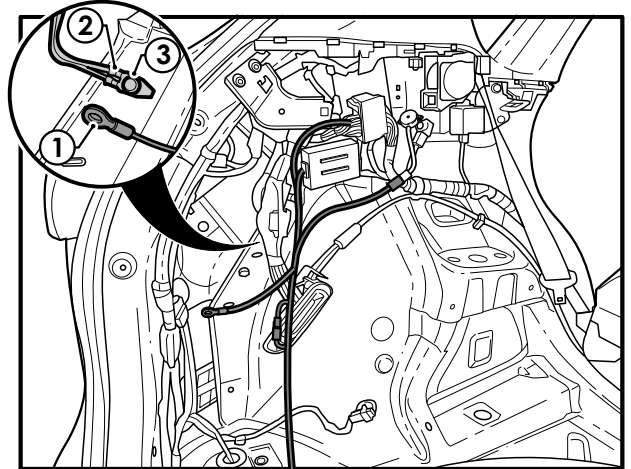
- Adhere the ECU to the previously cleaned area using the supplied double sided tape (6).
- Peel the backing (7) from the buzzer (4) and adhere it to the vehicle sheet metal in the previously cleaned area (5).





– Step 19

- Secure the RPA Harness ground ring terminal **(1)** to the vehicle earth point **(2)** using the existing fastener **(3)**.

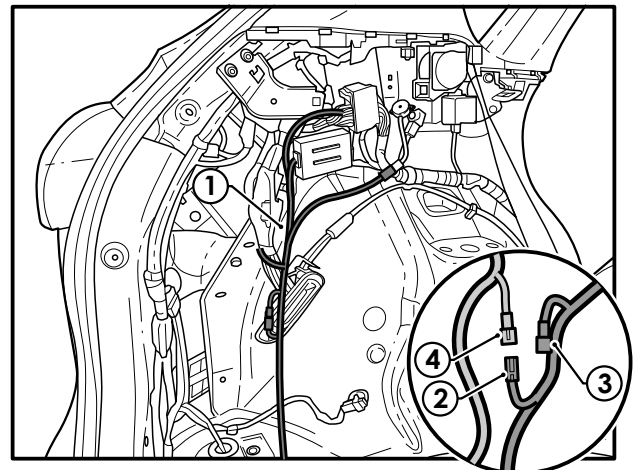


– Step 20

If the vehicle is not fitted or being fitted with a Trailer Wiring Harness, proceed to Step 21.

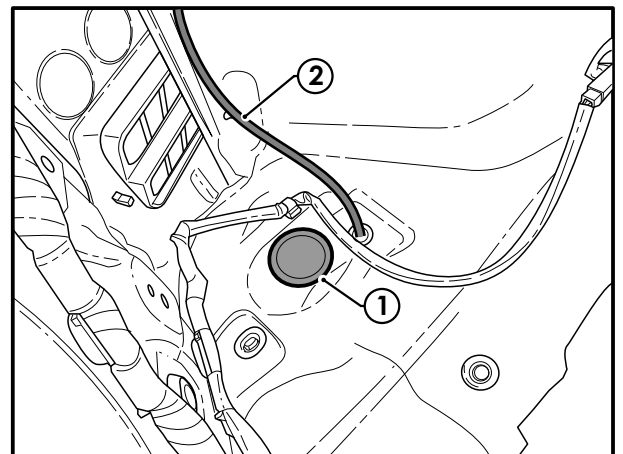
If the vehicle is fitted or being fitted with a Trailer Wiring Harness, continue:

- On the RPA patch harness **(1)**, disconnect the 1-way connectors **(2)** & **(3)**.
- Connect the male 1-way connector **(1)** to the 1-way female reed switch connector **(4)** located on the trailer wiring harness.
- Tape back the unused 1-way female connector **(3)** onto the RPA patch harness **(1)**.



– Step 21

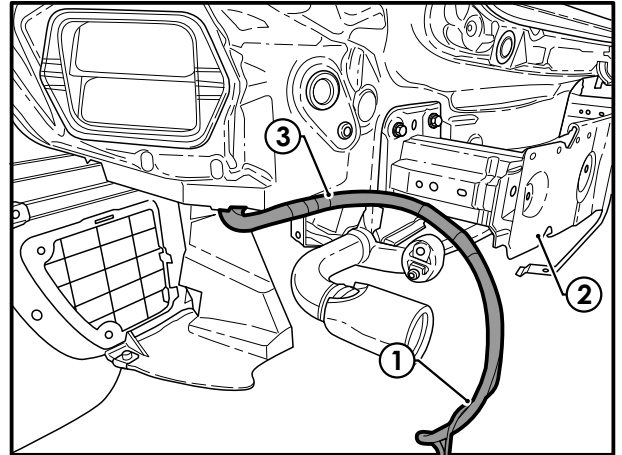
- In the LHS rear quarter of the luggage compartment, remove the vehicle grommet **(1)**.
- Route the RPA Harness **(2)** through the vehicle grommet hole to the outside of the vehicle.





– Step 22

- Route the RPA harness (1) toward the rear intrusion bar (2).
- Secure the RPA harness (1) to the vehicle sheet metal using the attached body clip (3).



– Step 23

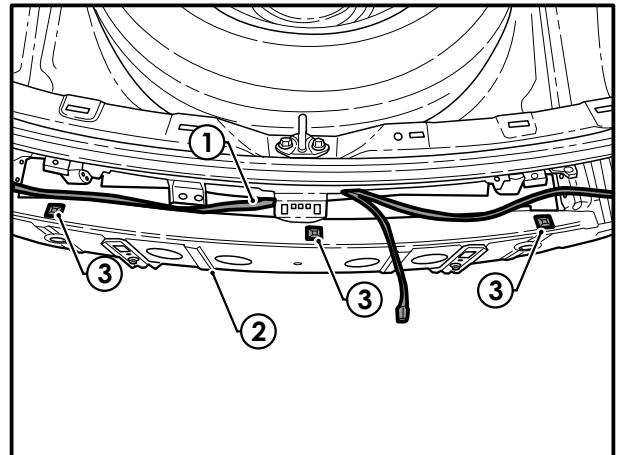
- Route the RPA Harness (1) along the rear intrusion bar (2) towards the RHS of the vehicle.
- Using the supplied cleaning pad, clean the area of the rear intrusion bar where the cable tie mounts (3) will be mounted.

Important



Allow the area cleaned with the supplied cleaning pad to dry before proceeding.

- Secure the RPA Harness (1) in place using the supplied cable tie mounts (3) and cable ties.



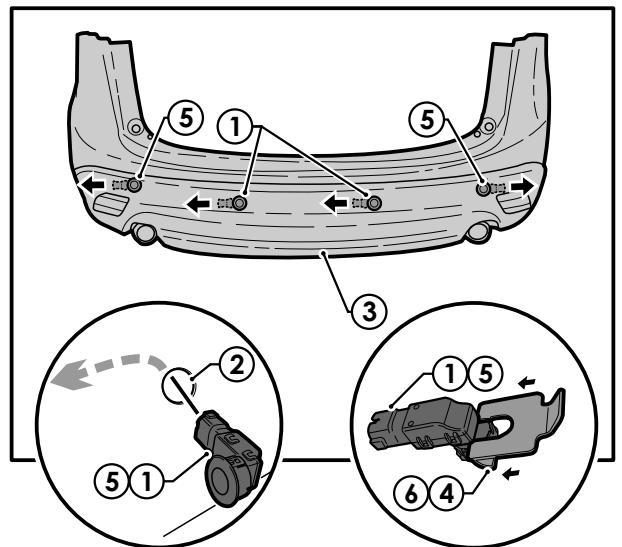
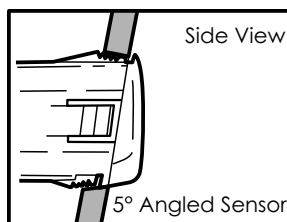
– Step 24

- Insert the 5° coloured sensor head assemblies (1) into the previously drilled **INNER** holes (2) on the bumper fascia (3), ensuring the sensor is angled upwards.
- Secure the 5° coloured sensor head assemblies (1) to the bumper fascia (3) with the supplied 5° C-clips (4).
- Insert the flat matte black sensor head assemblies (5) into the previously drilled **OUTER** holes (2) on the bumper fascia (3).
- Secure the flat matte black sensor head assemblies (5) to the bumper fascia (3) with the supplied Flat C-clips (6).

Important



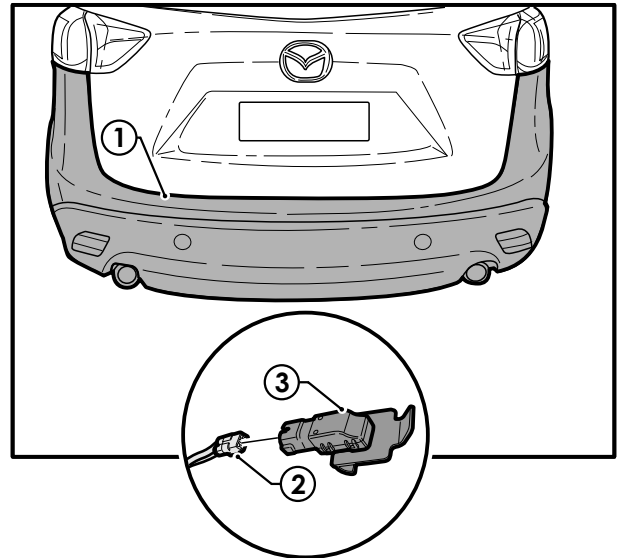
Using the palm of your hand only, carefully push the sensor head assemblies into place.





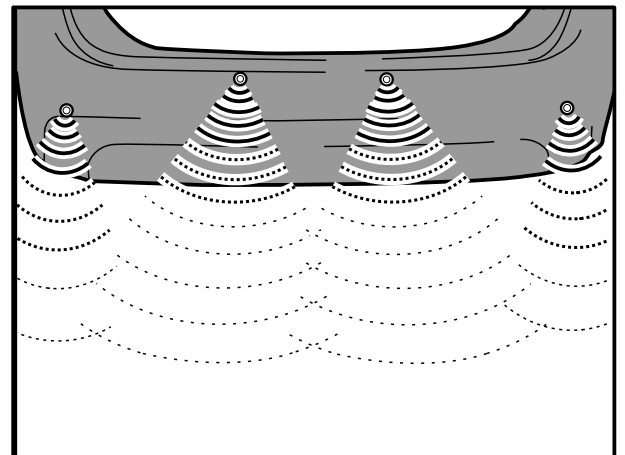
– Step 25

- Refit the rear bumper fascia (1) and connect the Sensor Harness (2) to its mating Sensor Head Assemblies (3) at the same time.



– Step 26

- In the luggage compartment, secure all harnesses to the vehicle wiring using the supplied Cable Ties.
- In the engine bay, reconnect the negative battery terminal.
- Test the Reverse Parking Assist System for correct operation as follows:
 - Start the vehicle.
 - Select the Reverse gear.
 - Reverse slowly towards a large flat object.
 - Each sensor has 3 stages of detection.
- Refer to the RPA Owner's Manual for further information and trouble shooting.
- Turn the ignition to the 'OFF' position after testing.



Important



Secure all harnesses to the vehicle using cable ties. Refit all removed parts and secure all fasteners to the Service Manual torque specifications.

Important



Reprogram all radio stations and clock settings by referring to the vehicle's Owner's Manual.



Please place the Fitting Instructions and Owner's Manual in the glove box after installation is completed.