

MODEL: Karma Revero**DATE:** September 2017**TITLE:** Front Door Trim Panel Blister Remedy**First Release****PRIORITY:** On Complaint**APPLICABILITY:** MY17 and MY18 Revero**MARKET REGION:** North America**PURPOSE:** Reduction of the Door Panel Blister

The front door panels may exhibit a small blister in the material.
A special procedure has been developed to remedy this concern.

The following parts and tools will be required to complete this procedure:

- Harness Clip Fastener Screws P/N C140330308100 – total quantity 6 (3 LH and 3 RH)
- Door Panel Clips P/N C148001800100 (TERMAX 71205) - total quantity 18 (9 per panel)
- Heat gun (capable of minimum of 400°F) as shown below for example.
- Infrared Thermometer
- Dual ball wooden roller (source locally - Karma Automotive will supply to current retailers)
- Leather cleaner (Recommended Meguiar's Gold Class Rich Leather) and a microfiber cloth
- Camera or suitable device for images

Please attach a clear image of the before repair and after repair to a TSS case.



Karma Automotive Bulletins and service documents are intended for use by experienced and trained Technicians. If you lack the skills, tools, equipment and a suitable workshop for any procedure described in this document, we suggest you leave such repairs to a Karma retailer and service provider. See your service provider for advice on whether your vehicle may benefit from the information contained within this document. The information contained in the Karma Bulletin is accurate at the date of publication. However, Karma Automotive regularly updates technical information. Please check with your Karma Automotive Retailer and Karma Automotive service provider that the bulletin you intend to use contains the latest available information.

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The door panel blister will be visible above the pocket.
As shown in the image (fig.1).



fig.1

Remove the affected interior door trim panel.
Release clips (x2) and remove door cover finisher as
shown (fig.2).

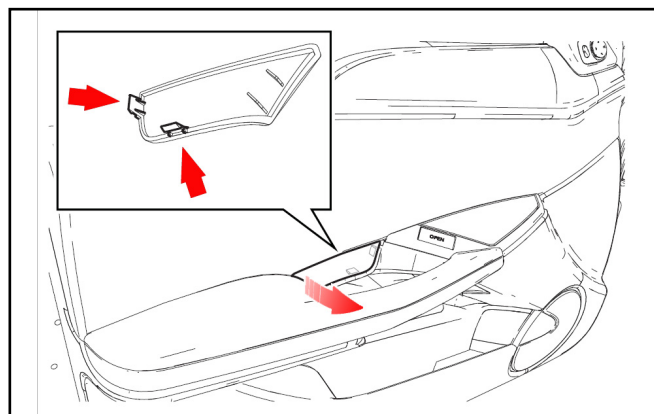


fig.2

Remove screws (x2) securing the door cover to the
inner door (fig.3).

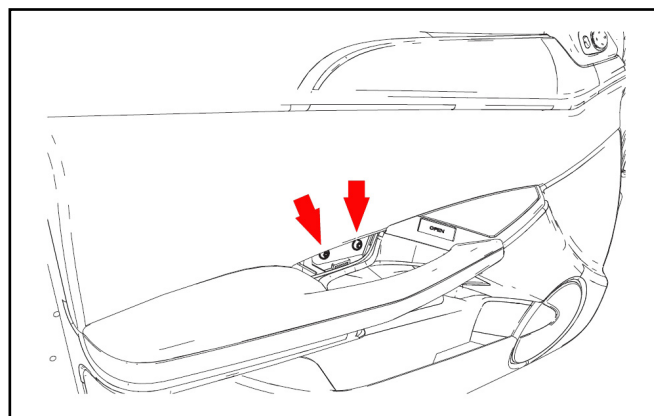


fig.3

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Using a suitable tool carefully release the clips (9) securing the door cover (fig.4). Three locations shown for example. These nine clips will be replaced with new ones.

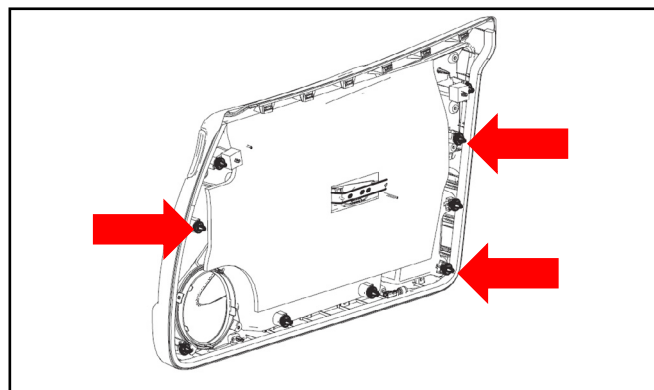


fig. 4

After door panel is removed, place it on a clean surface for the procedure, ensure this is protected with a suitable material to not damage the door panel surfaces.

On the reverse side of the panel remove the three (3) screws as indicated (fig. 5).

These will be replaced with C140330308100 when the procedure is complete.

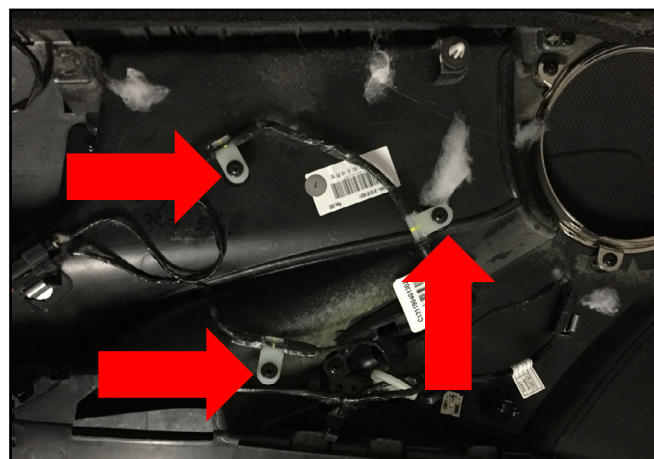


fig. 5

As mentioned in the tools required list, the heat gun should be set to 400°F (fig.6), this is the heat gun set temperature.



fig. 6

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Flip the door panel. Set the Heat gun temperature and place at distance 2.5 and 3 inches of the blister, not any closer to avoid burning the leather. Move the heat gun around back and forth, this will soften the plastic under side.

Heat area of blister for around 30 seconds to 1 minute before applying roller, this is to soften the surface in advance of applying pressure. Do not start rolling at same time of heating (fig. 7a and 7b).

Use the wooden ball roller to apply pressure to the surface of the blister (remove heat gun whilst you use roller). Check area to see if blister is removed. If not add heat again for 30 seconds and repeat. Repeat until the area is flat and no visible blister this may take several passes and overall time may be 7-15 minutes. A surface temperature on the leather should not exceed 300 °F so as not to discolor the leather, use the infrared thermometer to take temperature readings on the surface under the heat gun.



fig. 7a



fig. 7b

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After the heating and rolling procedure is complete, install the new screws C140330308100 install torque 1.0NM +/- 0.2NM (fig.8).

Replace all clips for the door panel as required using C148001800100.



fig. 8

After completion of assembly, and no blister is seen. Clean the affected area with leather cleaner and a microfiber cloth (fig.9).

Apply Meguira's Leather conditioner to a microfiber cloth and gently clean the whole area. Ensure to wipe well and not leave a shine.



fig. 9

If attempts to complete the procedure and repair the blister prove unsuccessful replace the door panel as needed.

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Service Communication

TB-17-82-18

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PARTS REQUIRED:

PART NUMBER	DESCRIPTION	QTY
C140330308100	SCREW-WASHERHEAD PHIL M4.2 X 1.41 X 13.0	6
C148001800100	PUSH-PIN DOGHOUSE 8.5 X 1.8	18

SHOP SUPPLIES:

DESCRIPTION
Leather cleaner and microfiber cloth

SPECIAL TOOLS:

DESCRIPTION
Hand Roller

CAUSAL PART:

PART NUMBER	DESCRIPTION
C131145000107CC	Door Trim Assembly - Front LH

LABOR CODES:

CODE	DESCRIPTION	TIME	DEFECT CODE
82-10-03-05	Door Trim Blister Remedy	0.6	82-10-03-27

SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

WARRANTY DISPOSITION: This repair is covered under the New Vehicle Limited Warranty, in effect for five (5) years from the in-service date with no mileage limitation.

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