



Service Bulletin

File in Section: 06 - Engine

Bulletin No.: 13-06-02-001

Date: March, 2013

TECHNICAL

Subject: Supplemental Repair Required for Drive Motor Battery Coolant Radiator Replacement Due to Stone/Foreign Material Impact

Models: 2011-2013 Chevrolet Volt

This bulletin replaces PI0727A. Please discard PI0727A.

Condition

Some customers may comment on coolant leaking from the front of the vehicle. Further inspection will reveal that the leak is coming from the drive motor battery coolant radiator.

Cause

This condition may be caused by impact from stones/foreign material.

Correction

For Vehicles Built Prior to November 01, 2011

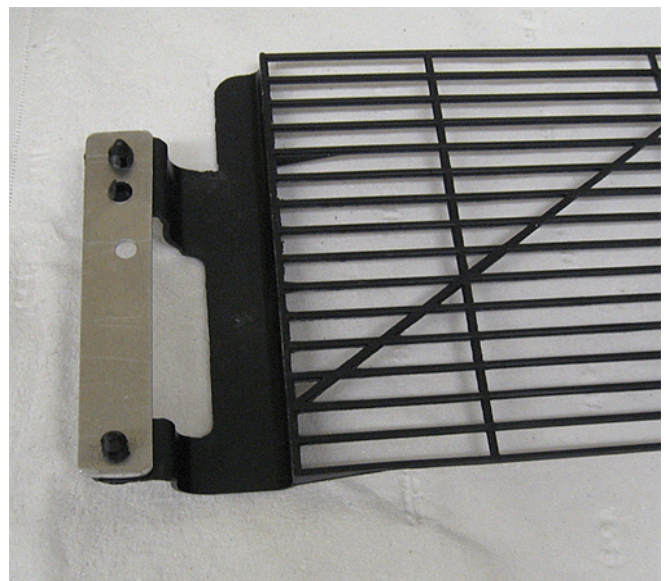
In addition to replacing the radiator, replace the existing grille screen with a taller screen. Also, add a second grille screen to the front of the new radiator following the procedure listed below. The installation of the radiator grille screens will greatly reduce the chance for stones/foreign material coming through the front grille and making contact with the new radiator causing damage.

For Vehicles Built On or After November 01, 2011

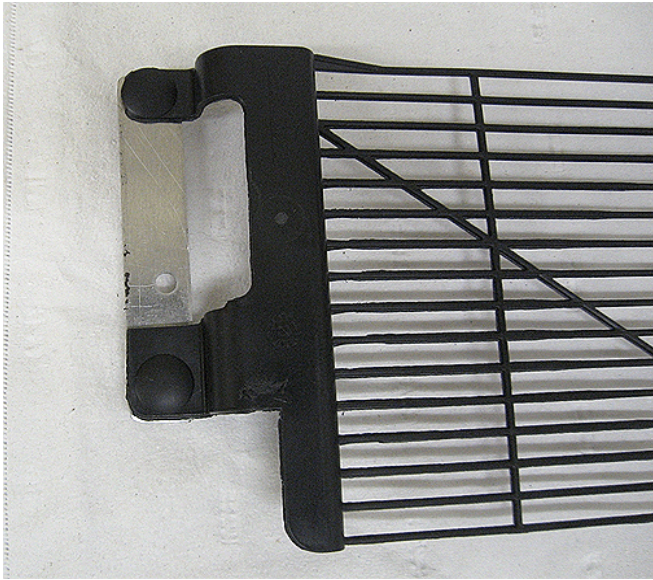
In addition to replacing the radiator and transferring the existing grille screen, add a second grille screen to the front of the new radiator following the procedure listed below. The installation of the radiator grille screens will greatly reduce the chance for stones/foreign material coming through the front grille and making contact with the new radiator causing damage.

1. Remove the damaged drive motor battery coolant radiator. Refer to the Drive Motor Battery Coolant Radiator Replacement procedure in SI.
2. Replace or transfer the existing radiator grille screen to the new radiator.

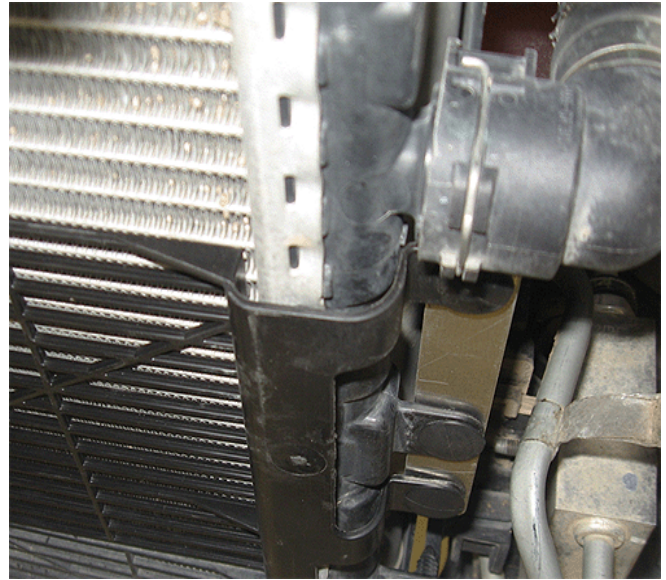
3. Fabricate two mounting brackets for the additional screen using 25 mm (1 in) x 100 mm (4 in) aluminum stock with thickness between 1.59 mm (0.0625 (1/16) in) and 3.18 mm (0.1250 (1/8) in). This material can be obtained locally. A good source for this material is Home Depot. The Home Depot carries Everbilt 1 in. x 36 in. Aluminum Flat Bar with 1/8 in. thickness, Model #44690 (Home Depot Canada carries H. Paulin - Model #142-642).
4. Remove any burrs on the cut surface(s) and round the corners using a file.



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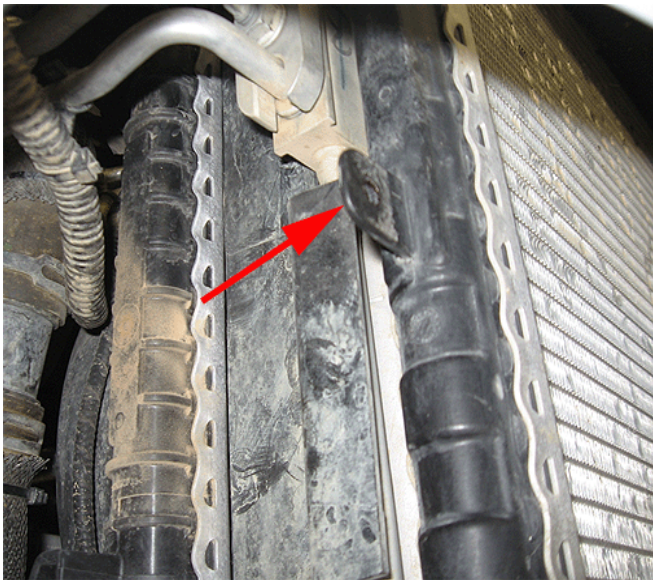


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5. Using the grille screen mounting tabs as the template, drill holes as shown using a 6.25 mm (0.250 in) drill bit.
6. Mount the brackets to the screen using the retainers.

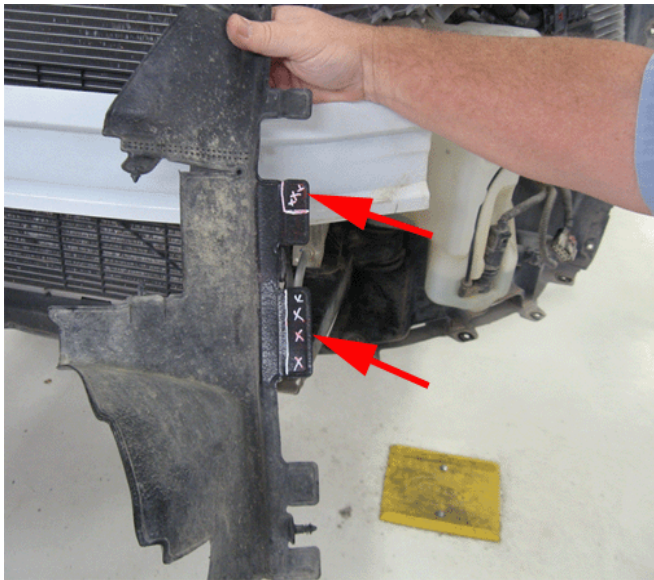


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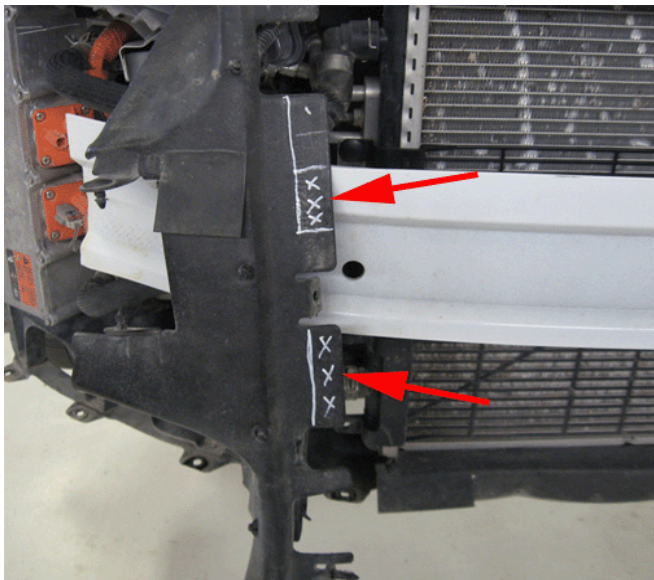


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7. Place the grille screen with mounting brackets attached on the new radiator above the existing screen. Align the screen so that the tubes on the radiator are covered and mark the hole locations that will attach to the existing tabs at each end of the radiator.
8. Drill the holes as marked using a 6.25 mm (0.250 in) drill bit.
9. Install the grille screen to the new radiator using the retainers.



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10. Modify the right and left radiator air side baffles by removing the material as shown.
11. Install the new drive motor battery coolant radiator. Refer to the Drive Motor Battery Coolant Radiator Replacement procedure in SI.

Parts Information

Part Number	Description	Qty	Material Allowance
22856576	Screen, Radiator Grille	1 or 2	-
22765637	Radiator, Drive Motor Battery Coolant	1	-
10121502	Retainer	6	-
-	Aluminum Stock	-	\$1.71 (USD) \$2.50 (CND)

Warranty Information

For vehicles repaired under the 8 year/100,000 mile (160,000 km) Chevrolet Volt Battery Components (Code V) warranty, use:

Labor Operation	Description	Labor Time
N9700*	Replace Drive Motor Battery Coolant Radiator and Add Second Grille Screen	4.6 hrs
*This is an unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.		

