



Recall Bulletin

Number	RCL-10-17-001
Author	Service Operations
Date	01-Oct-10
Model/Year	Roadster 2010
Country/Region	US

IMPORTANT: This recall applies to all vehicles prior to sale and during service operations.

Title	12v Auxiliary Cable Containment
Reason	Cable Routing and Protection Modification to B+/B- Cables
NHTSA Recall Code	XXX-XXX

Description

In some 2.0 Roadsters, the 12v auxiliary cables may have been routed such that they may chafe against an edge of the carbon fiber armature or get pinched during assembly. If the cable's insulation chafes or the cable is pinched, the wiring may be damaged. A new corrugated tubing section is to be added, as follows, to the B+/B- auxiliary cables to protect them.

1. Remove the RF wheel arch liner - Lower - Front per FRT No. 12011302.
2. Remove the Condenser - Exit Duct - Hood - Rear per FRT No. 10050402.
3. Access the 12v auxiliary cables (Figure 1). Inspect the cables for chafing or damage to the insulation. If the insulation is compromised, wrap the existing wiring with electrical tape. If the strands of the cable are damaged, contact Service Support for assistance.

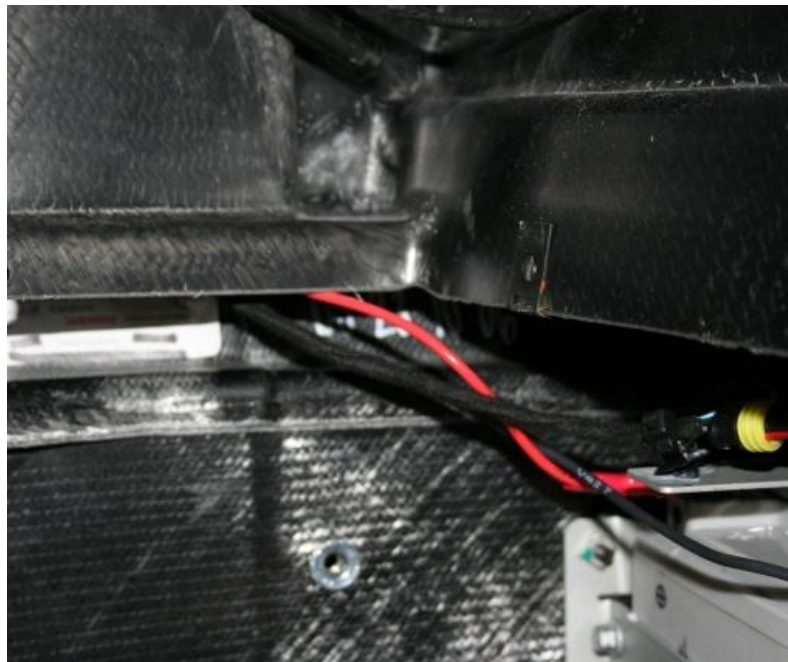


Figure 1

4. Lightly pinch the auxiliary cabling and alarm wire at the corner of the armature without putting any strain on the wiring. Measure a reference point approximately 25 mm from this point (Figure 2).

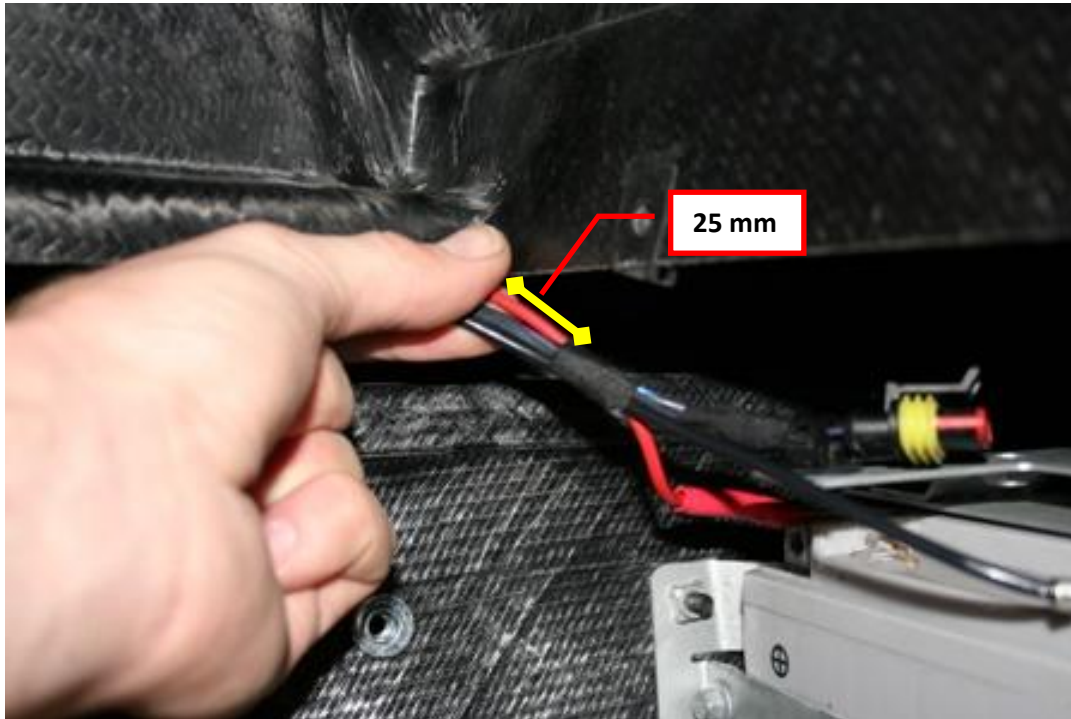


Figure 2

5. Wrap wires very tightly 3-4 times with electrical cloth tape (see affected parts), at the reference point as shown in figure 2.
6. Cut a 350 mm length of corrugated tubing (Figure 3)



Figure 3

7. Feed the corrugated tubing from the top through the upper armature grommet down to the taped point of the three cables as shown in Figure 4.

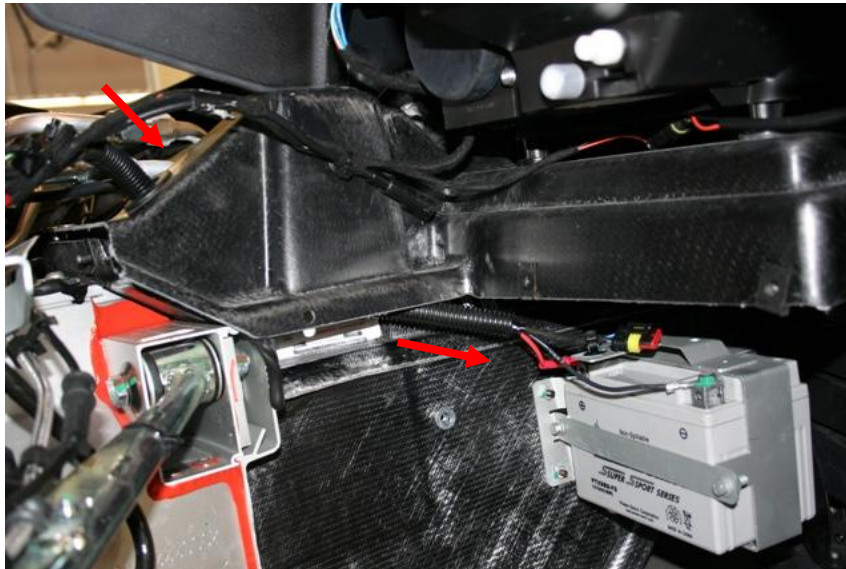


Figure 4

8. With electrical cloth tape, tightly wrap the bottom end of the corrugated tubing 5-6 times to the existing tape point, securing the tubing to the 3 cables (Figure 5).



Figure 5

Note: The lower end of the corrugated tubing should be no longer than 60 mm from the B+ terminal (Figure 6)

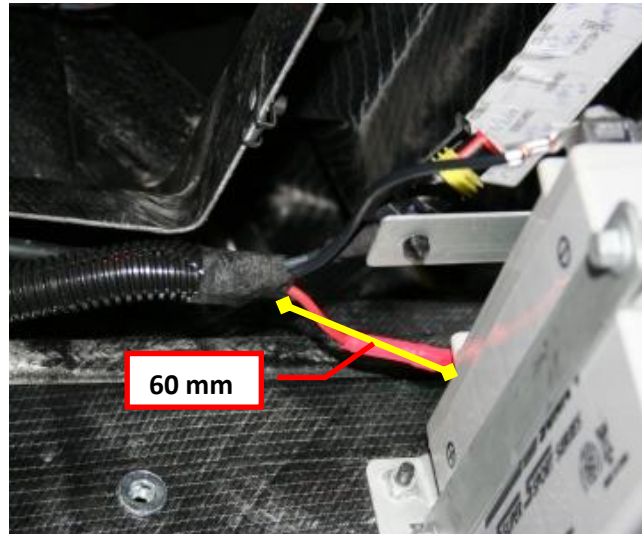


Figure 6

9. In a tight spiral fashion, wrap the corrugated tubing with the cloth electrical tape. Over lap each wrap so the tape sticks to itself. Wrap as far up as possible (Figure 7)

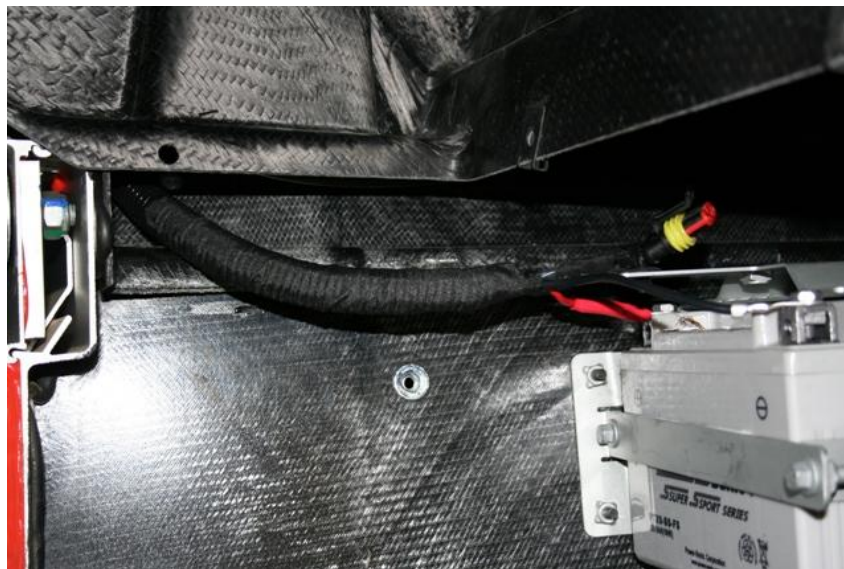


Figure 7

Note: Make sure when routing the tubing, the washer line is separated and not pinched (Figure 8).



Figure 8

10. Tightly wrap the upper end of the corrugated tubing 5-6 times with cloth electrical tape. Ensure there is a minimum of 40 mm length of corrugated tubing protruding from the grommet (Figure 9)



Figure 9

11. Apply a tie strap to the auxiliary cable harness, securing it to the group of the ground cables. Do not over-tighten the tie strap (Figure 10).

Note: Step 11 applies only to left hand drive vehicles and is not necessary on right hand drive models.

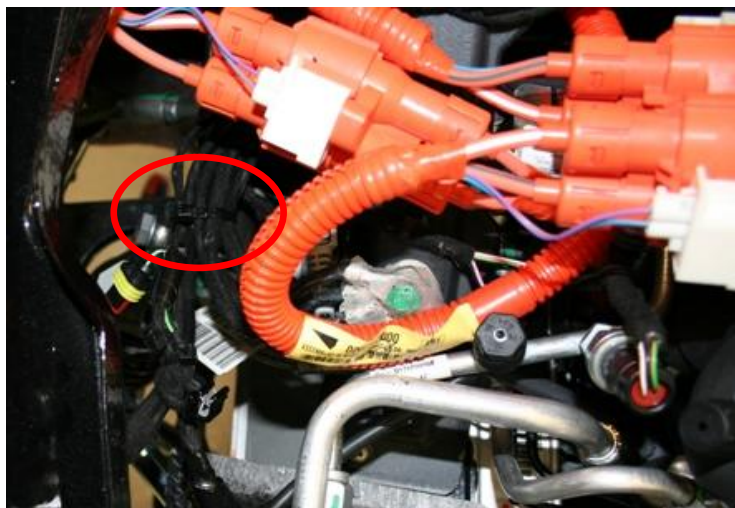


Figure 10

12. Cut the tie strap located at the upper bracket and replace with a new tie strap. Secure the B- cable to the new tie strap during installation (Figure 11).



Figure 11

13. Reinstall all removed parts in reverse order making sure to tuck the corrugated tubing under the armature during installation. This also assures it will not interfere with forward wheel arch liner installation (Figure 12).



Figure 12

14. Verify proper positioning of the harness during installation (Figure 13).



Figure 13

Affected Part(s)	Corrugated tubing 350 mm 2006993 (Specify quantity in feet) Tie strap 2004852 Qty 2 Electrical Tape – Cloth Type 2006424			
Affected VIN(s)	5YJRE1A11A1000501 5YJRE1A15A1000503 5YJRE1A17A1000504 5YJRE1A19A1000505 5YJRE1A10A1000506 5YJRE1A12A1000507 5YJRE1A14A1000508 5YJRE1A16A1000509	5YJRE1A1XA1000612 5YJRE1A3XA1000613 5YJRE1A13A1000614 5YJRE1A15A1000615 5YJRE1A35A1000616 5YJRE1A19A1000617 5YJRE1A39A1000618 5YJRE1A30A1000619	5YJRE1A17A1000731 5YJRE1A37A1000732 5YJRE1A39A1000733 5YJRE1A12A1000734 5YJRE1A14A1000735 5YJRE1A16A1000736 5YJRE1A36A1000737 5YJRE1A38A1000738	5YJRE1A18A1000852 5YJRE1A38A1000853 5YJRE1A3XA1000854 5YJRE1A13A1000855 5YJRE1A15A1000856 5YJRE1A17A1000857 5YJRE1A37A1000858 5YJRE1A39A1000859

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5YJRE1A1XA1000514	5YJRE1A34A1000624	5YJRE1A13A1000743	5YJRE1A18A1000866
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Vehicle Systems Information	N/A
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Warranty/DMS Coding:

Description	Complaint	Cause	Correction
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