



# Service Bulletin

Bulletin No.: 19-NA-099


Date: August, 2019

## TECHNICAL

**Subject:** Add-On Equipment Inoperative, Melted Terminals on Auxiliary Relay, New Auxiliary Battery Relay for Police Tahoe Vehicles

**Attention:** This bulletin only applies to the Police Patrol Vehicles (PPV).

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Tahoe PPV	2015	2019			All	All

<b>Involved Region or Country</b>	North America, N.A. Export Regions
<b>Additional Options (RPOs)</b>	
<b>Condition</b>	Customer may comment on add-on equipment inoperative or possibly seeing melted terminals on the auxiliary battery relay.
<b>Cause</b>	The cause of the condition may be overheating of the relay during charging the auxiliary battery.
<b>Correction</b>	<div data-bbox="682 993 1321 1566" data-label="Image"></div> <p>5333969</p> <p>Replace the original relay with new relay service part, shown in the graphic above. The new relay is more heat tolerant and should resist melting and losing electrical contact. Refer to the Service procedure below.</p>

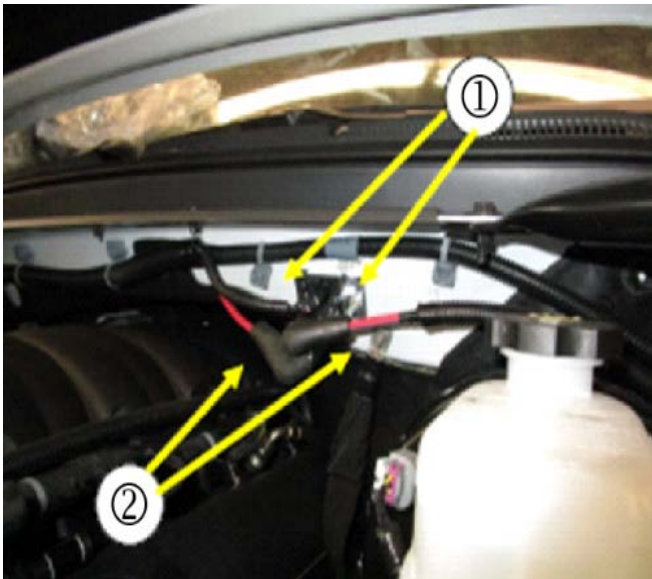
## Service Procedure

1. Open the hood.
2. Before starting any repairs, disconnect the **main battery** ground cable AND the **auxiliary battery** ground cable, from the battery ground terminals.



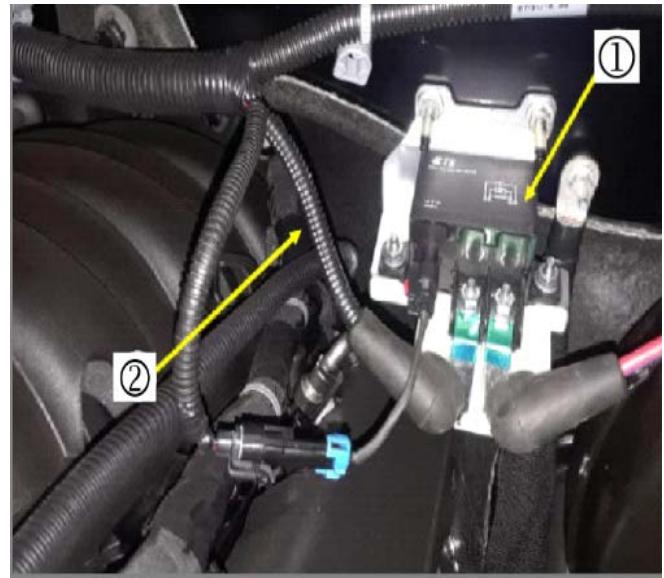
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3. Disconnect the 2-way connector (1) from the battery relay, located on driver side bulkhead.



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4. Remove the 2 factory nuts (1) and the existing battery relay from the bulkhead.
5. Disconnect the 2 battery cables (2) going to existing battery relay on the vehicle bulkhead.



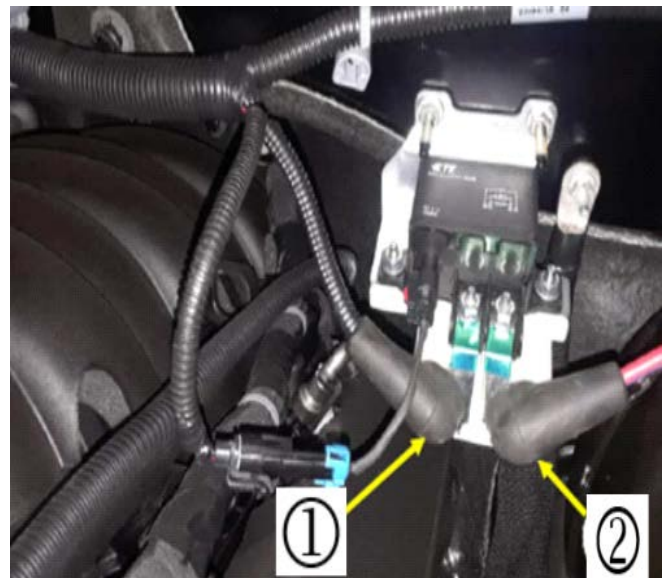
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6. Install the new relay (1) on the existing mounting studs on the bulkhead, and reinstall the 2 factory nuts.

### Tighten

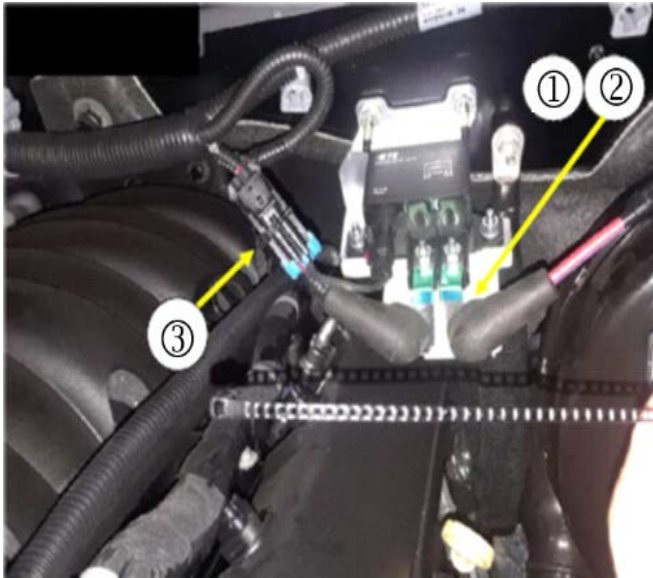
Tighten the nuts to 9 N•m (80 lb in).

7. Install one piece of 1/4" dia. convoluted tubing loom (2), on the exposed section of battery cable, to be installed on the passenger side stud of the new relay.



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8. Install the battery cable coming from the **main battery** to the passenger side stud (1) of the new relay.
9. Install the battery cable coming from the **auxiliary battery** to the driver side stud (2) of the new relay.
10. Make sure the cable orientation is as shown in the above graphic, with adequate strain relief.



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11. Tighten battery cable studs (1) to torque.

### Tighten

Tighten the studs to 7.5 N•m (66 lb in).

**Important:** Ensure the boots are fully seated over the power studs.

12. Install the rubber boots (2) over the relay battery studs, to protect both studs.
13. Connect the relay 2 - way connector to the vehicle harness, mating the 2 – way connector previously disconnected from the old relay.
14. As shown in the graphic above, secure the connector to the passenger side battery cable previously loomed, with one cable tie (3).
15. Re-connect the ground cable to the **auxiliary battery** ground terminal.
16. Re-connect the ground cable to the **main battery** ground terminal.

### Parts Information

Causal Part	Description	Part Number	Qty
X	RELAY ASM-AUX BAT	84611502	1

### Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4086968*	Auxiliary Battery Relay Replacement	0.2 hr
*This is a unique Labor Operation for Bulletin use only.		

Version	1
Modified	Released August 06, 2019