



## Firmware Update for Automatic Charge Current Reduction

<b>Classification</b>	Recall Bulletin	<b>Section/Group</b>	00 - Inspection & Service	<b>Country/Region</b>	North America
<b>Year</b>	2012-2014	<b>Model</b>	Model S Charging Equipment	<b>Version</b>	All

**Bulletin Classification:** *This Recall bulletin must be applied to all vehicles listed below. Recall Bulletins are mandatory service procedures that must be carried out by Tesla-certified Service Centers only. Work must be logged and tracked by Tesla Service. Any work carried out by uncertified technicians on this issue may not be appropriately performed or recorded and could lead to an unsafe condition and/or void warranty provisions.*

*This Recall Bulletin supersedes SB-14-00-001 R1, dated 18-March-14. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.*

### Condition

Factors such as corrosion, physical damage to receptacles, or inappropriate wiring or installation of electrical outlets might cause higher than normal electrical resistance when charging with the Universal Mobile Connector NEMA 14-50 adapter. When charging, higher than normal electrical resistance might cause excessive heating of the adapter.

### Correction

Update the vehicle firmware to version 5.8.4 or later. Firmware version 5.8.4 and subsequent versions allow the Model S charging equipment to automatically reduce charge current if it detects unexpected fluctuations in the input power to the vehicle. In addition, customers will be sent by mail an updated NEMA 14-50 adapter.

Correction Description	Correction	Time
Vehicle Inspection Only; Firmware Update Not Required	S011400001	0.1
Update Firmware to Latest Version to Prevent Overheating of Adapter	S021400001	0.3

## Procedure

1. On the touchscreen, touch the Tesla logo. Check the version of the currently-installed firmware (Figure 1).



**Figure 1**

2. If the firmware version is 5.8.4 or later, the vehicle is up to date and no further work is needed. If the firmware version is earlier than 5.8.4, continue this procedure.
3. Connect a laptop with Toolbox to the vehicle.
4. In Toolbox, select Views > Firmware and ECU Programming > Vehicle Firmware Update, then follow the on-screen instructions.

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**Affected VIN(s)** Affected Model S vehicles with firmware version 5.8.2 and earlier.

**NOTE:** This is a simplified summary of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.

For feedback on the accuracy of this document, email [ServiceBulletinFeedback@teslamotors.com](mailto:ServiceBulletinFeedback@teslamotors.com).