



ROADSTER 2014 Front Fuse Box Covers Replacement, Update ECM Software P1614, Hi Temp, Limp Home (RS, ST)_000071523_TST61Y014S00_en

Printable
Version

Summary:

Roadster Spyder RS and ST Series Subject 1 - Front Fuse Box Covers Replacement Subject 2 - Update ECM Software P1614 Hi-Temp Lamps Limp Home Mode

Type:

General

TST Detail:

Campaign no.: **2014-0001**

Publication date: **January 23, 2014**

Subject: **Roadster Spyder™ RS and ST Series**
Subject 1 - Front Fuse Box Covers Replacement
Subject 2 - Update ECM Software (P1614, Hi-Temp Lamps, Limp Home Mode)

YEAR	MODEL		MODEL NUMBER	SERIAL NUMBER
2014	Spyder RS series	STD SE5	A2EF, A2EH	See Attached List
		S SE5	B1ED, B1EG, B1EH, B1EJ, B1EL, B1EM, B1EN	
	Spyder ST series	S SM5	C1EJ	
		S SE5	C2ED, C2EE, C2EF, C2EH, C2EJ, C2EK	
		LTD SE5	D4EA, D4EE	

SUMMARY

Subject 1

An improved fuse box cover is now used in production. Since this was a running change, a very limited quantity of vehicle were produced having a version of the fuse box cover which no longer meets BRP standards.

Replace fuse box covers.

Parts required

Order parts through the regular channel.

Description	Part Number	QTY
Right fuse box cover	710 004 180	1
Left fuse box cover	710 004 181	1

Repair Tip

Perform the Fuse Box Covers Replacement, while ECM is updating.

Subject 2

Update ECM with latest version of software to correct the outlined problems.

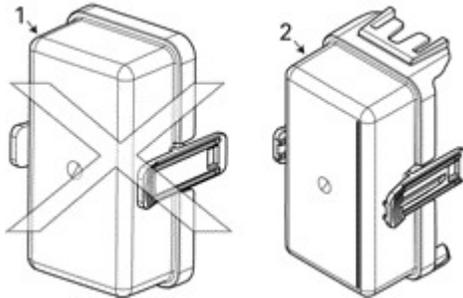
- Code P1614 may be triggered and cause a limp home mode when starting the engine.
- The indicator lamp and message HI TEMP may appear at engine startup, even if unit is at normal operating temperature.
- Engine heat felt by the driver may be uncomfortable.

NOTE: Updating the software may slightly improve riders comfort from heat in some riding conditions. The portion of the update that addresses uncomfortable heat felt by the driver is applicable to non-CARB vehicles only.

PROCEDURE

Subject 1

1. Remove the cover from both fuse boxes.
2. Transfer fuses to new covers.



1. Old fuse box cover
2. New fuse box cover
3. Install new covers on fuse boxes. Make sure they are properly clipped.

Subject 2

Connect vehicle to the latest applicable B.U.D.S. version.

NOTE: The latest B.U.D.S. version is available on *KNOWLEDGE CENTER*. At time of writing, the latest B.U.D.S. version was:

B.U.D.S. - R3.5.1 for Roadster

1. Click on "Advanced Search".
2. Select "Diagnostic Software".
3. In the KEYWORD(S) field, type in the B.U.D.S. single file number.
4. "SEARCH".
5. Identify and download proper file.

Please note that you can also type in the KEYWORD(S) field the B.U.D.S. single file number directly without going in the "Advanced Search".

Computer and Vehicle Preparation

NOTICE

Continuous power to the computer and to the vehicle is mandatory during this operation or damage to a module could occur.

Be sure to disable the computer screen saver.

If using a portable computer, be sure to provide a continuous supply of electrical power by connecting it to a wall outlet.

To ensure there is enough power to the vehicle electronic modules to complete the software updates, use a portable power pack.

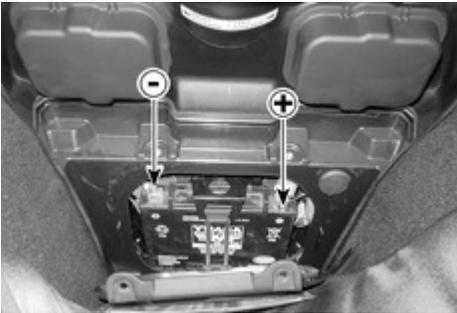
NEVER use a battery charger instead of portable power pack. The battery charger may cause electrical noise causing problems during the update.

These software updates of the vehicle modules will take some time to complete and **MUST NOT** be interrupted.

Although computer screen may blank or may seem to freeze for a while, do **NOT** interrupt B.U.D.S. to allow updates to be completed. Do not touch the PC.

Although the cluster will blank, do **NOT** interrupt B.U.D.S. to allow updates to be completed. Do not touch the vehicle.

1. Ensure the vehicle battery is fully charged.
2. Connect a portable power pack (fully charged) to the vehicle battery.



CONNECTION AT BATTERY POSTS, BEHIND BATTERY ACCESS PANEL IN FRONT STORAGE COMPARTMENT

B.U.D.S. Connections

1. Connect MPI before starting B.U.D.S. to ensure proper operation. Refer to the applicable *SHOP MANUAL* for details:

- Section 03: *ELECTRONIC MANAGEMENT SYSTEMS*
- Subsection 03: *COMMUNICATION TOOLS AND B.U.D.S.*

Mandatory Tools	
A personal computer (laptop or desktop)	
MPI-2 INTERFACE CARD (P/N 529 036 018)	

<p>MPI-2 DIAGNOSTIC CABLE (P/N 710 000 851)</p>	
<p>OPTIONAL TOOL</p>	
<p>Extension cable available at electronic retail outlets. Do not exceed 7.5 m (25 ft)</p>	

2. Start B.U.D.S. and logon.
3. Turn ignition key ON.



TYPICAL - IGNITION KEY ON

NOTE: If the following message does not automatically go away, click the RETRY button.



RETRY BUTTON

Compare number of modules shown in B.U.D.S. with following table.



EXAMPLE

Model	Number of Modules Connected
RS SM5	5
RS SE5	6

ST SM5	6
ST SE5	7

NOTE: If a CAN Configuration Kit (CCK) is installed, the number of modules listed in B.U.D.S. will be increased by one.

ECM Software Update

1. Click on READ DATA.



2. When the following message appears, click "Yes" to start the update.



ECM UPDATE CONFIRMATION - CLICK "YES"

3. If the following message appears, then there is "Active" or "Occurred" fault(s).



3.1 Clicking "OK" will prompt you to the FAULT screen.

3.2 Before proceeding with the update, fault codes relating to a current customer complain should be repaired; all other fault codes should be cleared.

NOTE: The following top menu button will continue to flash until the ECM software update is performed.

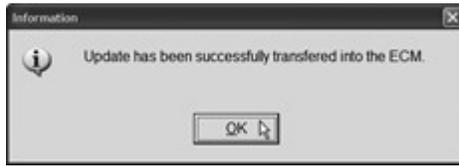


ECM SOFTWARE UPDATE REMINDER

3.3 Click on "Important Update" to proceed.

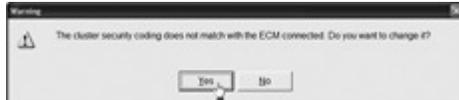
ECM Software Update continued

NOTICE While the ECM is being updated, an hour glass will appear on the computer. The computer screen and cluster might also go blank. **DO NOT TOUCH ANYTHING (PC and vehicle) until the following message appears. Then, click the "OK" button.**



SUCCESSFUL ECM UPDATE CONFIRMATION - CLICK "OK"

4. When the following message appears, click "Yes".



CLUSTER SECURITY MATCHING REQUEST - CLICK "YES"

5. When the following message appears:

5.1 Turn ignition key to OFF.

5.2 Wait until the message vanishes.



6. When the following message appears, turn ignition key to ON then click the "OK" button.



7. The ECM software update is completed.

Update Validation

1. Click on READ DATA button.



READ DATA BUTTON

2. Check if the update has been successful.



MODULE, ECM, INFORMATION

3. Look at the "BRP Assembly Number", compare with list in table.



TYPICAL

1. BRP Assembly number

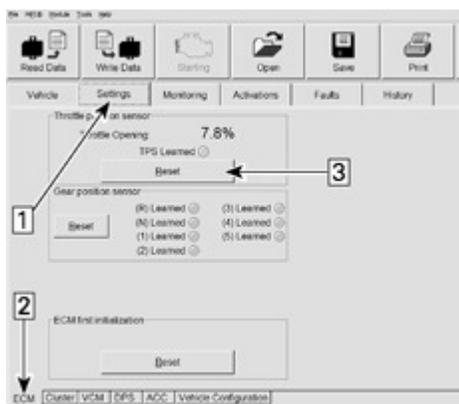
ECM Information	
BRP assembly number	420265381
	420265386
	420265380
	420265385

4. If any number in the table is found in B.U.D.S., then the update was successful.

5. If a wrong number is found, repeat the update procedure.

TPS Reset

1. In B.U.D.S., click the items in the illustrated order.

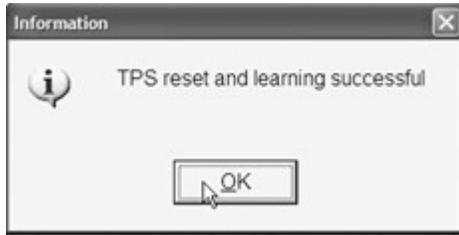


Step 1: Setting tab

Step 2: ECM tab

Step 3: Reset (TPS)

2. When the following message appears, click "OK".



CLICK "OK"

Clearing Faults

1. In B.U.D.S., click on READ DATA.



READ DATA BUTTON

2. Click the items in the illustrated order.

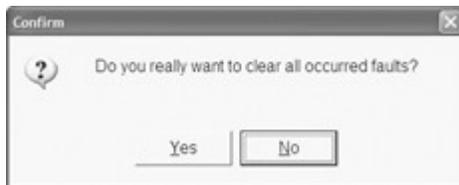


CLEARING FAULTS

Step 1: Faults

Step 2: Click "Clear Occurred Faults" button

3. When the following message appears, click "Yes".



CONFIRM CLEAR FAULTS REQUEST - "YES"

NOTE: To clear all faults, it may be necessary turn the ignition key OFF, wait a few seconds, turn the ignition key back ON and activate the CLEAR OCCURRED FAULTS button once more.

4. Turn ignition key OFF.

5. When the following message appears, turn ignition key to ON and wait until the message vanishes.



6. Click on the CLEAR OCCURRED FAULTS button again and ensure all faults are cleared.

7. Turn ignition key OFF.

NOTICE To avoid potential vehicle damage, it is very important to turn ignition key off BEFORE exiting B.U.D.S. or unplugging the MPI-2 diagnostic cable from the vehicle.

8. Unplug MPI-2 diagnostic cable from vehicle.

WARRANTY

Submit a campaign claim using the following information.

For claiming procedure, refer to the *DEALER/DISTRIBUTOR WARRANTY GUIDE*.

Click in the *REPAIR BOX* while completing your claim on BOSSWeb.

The screenshot shows a web interface with a header labeled '*Action'. Below the header are two checkboxes: 'Inspect' and 'Repair'. A black arrow points to the 'Repair' checkbox. Below the checkboxes is a button labeled 'Upload File'.

Campaign Number	2014-0001
Claim Type	Campaign Claim
Action	Repair
Flat Rate Time	0.3 hour
Expiry date	January 19, 2017

For the serial number list of involved vehicles, please see attachment.

Attachment: [VIN List_en.pdf](#)

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