

SB-10055106-2536

Covers Replacement,

Printable  
VersionUpdate ECM Software P1614, Hi Temp, Limp Home  
(RS, ST)\_000071523\_TST61Y014S00\_en

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Version 1

Language English

Show Properties

**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
		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
			See Attached List

## 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

<b>Repair Tip</b>
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Perform the Fuse Box Covers Replacement, while ECM is updating.
-----------------------------------------------------------------

## Subject 2

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

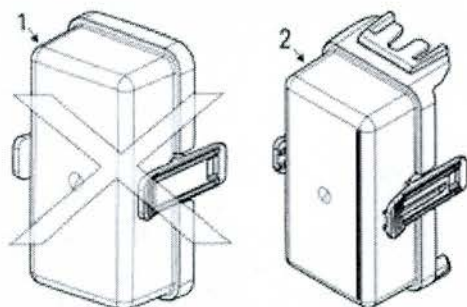
- Code P1614 may be triggered and cause a limp home mode when starting the engine.
- The indicator lamp and message HI TEMP may appear at engine startup, even if unit is at normal operating temperature.
- Engine heat felt by the driver may be uncomfortable.

**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
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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

<b>NOTICE</b>
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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.

**NOTICE**

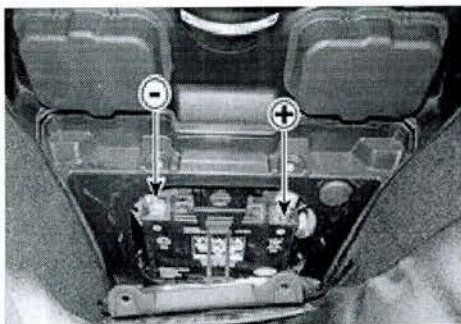
NEVER use a battery charger instead of portable power pack. The battery charger may cause electrical noise causing problems during the update.

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.

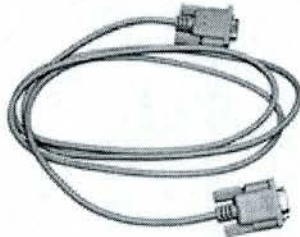


CONNECTION AT BATTERY POSTS, BEHIND BATTERY ACCESS PANEL IN FRONT STORAGE COMPARTMENT

### 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)	
MPI-2 DIAGNOSTIC CABLE (P/N 710 000 851)	
OPTIONAL TOOL	

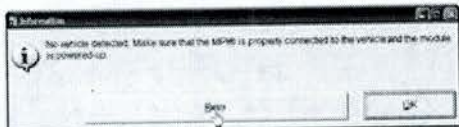
Mandatory Tools	
<p>Extension cable available at electronic retail outlets. Do not exceed 7.5 m (25 ft)</p>	

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



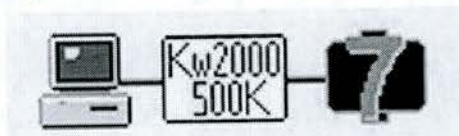
*TYPICAL - IGNITION KEY ON*

**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.



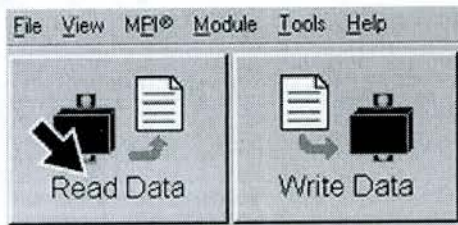
**EXAMPLE**

Model	Number of Modules Connected
RS SM5	5
RS SE5	6
ST SM5	6
ST SE5	7

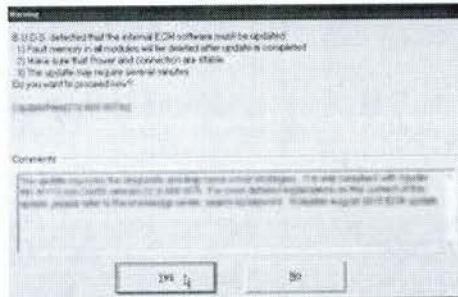
**NOTE:** If a CAN Configuration Kit (CCK) is installed, the number of modules listed in B.U.D.S. will be increased by one.

## ECM Software Update

1. Click on READ DATA.

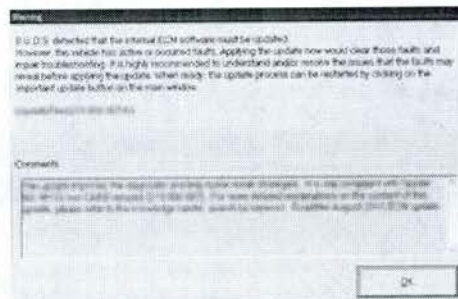


2. When the following message appears, click "Yes" to start the update.



**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.

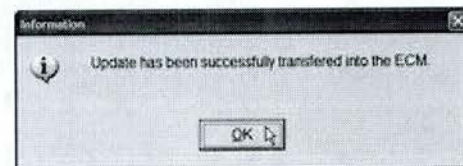


**ECM SOFTWARE UPDATE REMINDER**

3.3 Click on "Important Update" to proceed.

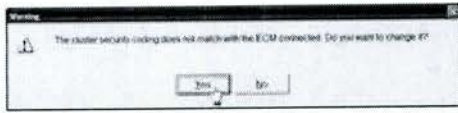
**ECM Software Update continued**

**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".

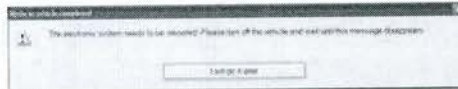


**CLUSTER SECURITY MATCHING REQUEST - CLICK "YES"**

5. When the following message appears:

5.1 Turn ignition key to OFF.

5.2 Wait until the message vanishes.



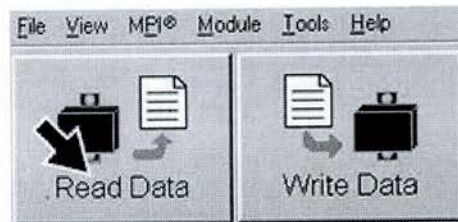
6. When the following message appears, turn ignition key to ON then click the "OK" button.



7. The ECM software update is completed.

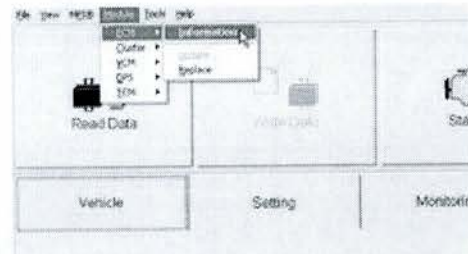
## Update Validation

1. Click on READ DATA button.



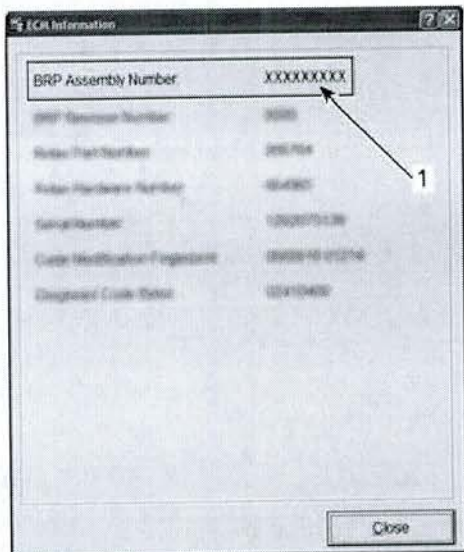
**READ DATA BUTTON**

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

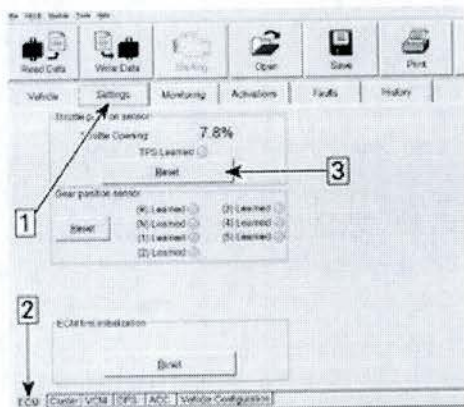
ECM Information	
BRP assembly number	420265381
	420265386
	420265380
	420265385

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.



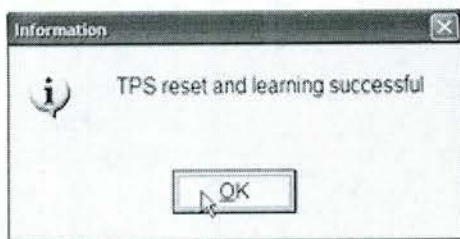
Step 1: Setting tab

Step 2: ECM tab

Step 3: Reset (TPS)

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

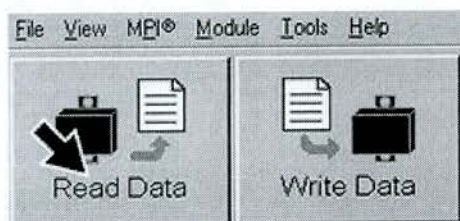
Translate



CLICK "OK"

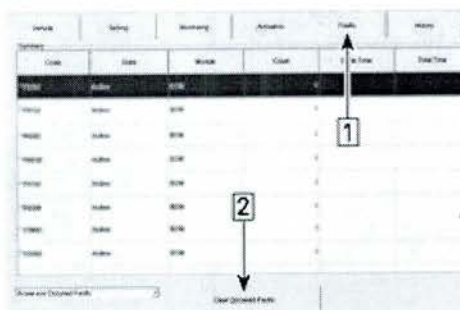
## Clearing Faults

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



### READ DATA BUTTON

2. Click the items in the illustrated order.

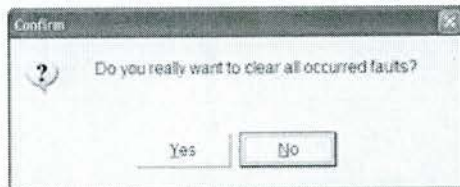


### CLEARING FAULTS

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 dropdown menu labeled '\*Action'. The menu is open, showing two options: 'Inspect' and 'Repair'. The 'Repair' option is selected, and a black arrow points to it. Below the dropdown menu 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](#)

First Published By: Mélanie Bernard on 2014-01-29

Last Modified By: Mélanie Bernard on 2014-01-29



Davey, Dany &lt;dany.davey@brp.com&gt;

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## Model Year 2014 Can-Am™ Spyder RT SE6 - Special Repair Needed at PDI

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Davey, Dany &lt;dany.davey@brp.com&gt;

Fri, Jan 10, 2014 at 3:36 PM

Bcc: sales@hondaoftulsa.com, stevek@bertsmegamall.com, stpete@barneys.net, chandlerwebsales@ridenow.com, admin@seminolepowersports.com, tgobrecht@aol.com, wmoore@hattiesburgcycles.com, peoriasales@ridenow.com, info@daytonafunmachines.com, jgilding@calmsg.com, dnadler@delamo-motorsports.com, darlene@clawsonmotorsports.com, l.bradford@bradfordmarine.com, timothyalber@gmail.com, dan@proshopmm.com, jimmy@gainesvillemotorsports.com, matts@rivamotorsports.com, desertdog@azadventures.com, egpowersports@yahoo.com, jason@eastnatv.com, "ExtremePropulsion.com" <dk@extremepropulsion.com>, "Jason Ennis @ Central Florida Power Ennis" <jason.ennis@mypowersports.com>, zola.sean@yahoo.com, ryan@mtn-motorsports.com, susan@hondaws.com, jtspringer@aol.com, jack@actionjetsports.com, bgaiter@frspowersports.com, jetworld@earthlink.net, jerryristo@bellsouth.net, gberta@missionmotorsports.com, coronamotorsport@gmail.com, tgearn@familypowersports.com, sales@motorsportssuperstore.com, willy@route1motorsports.com, dan@louispowersports.com, kenny@ftvalleymotorsports.com, sales@sunsportscycle.com, samn@browardmotorsports.com, "JENNIFER KUBIS @ Broward Motor Sports" <jenniferk@browardmotorsports.com>, cknight@hwmarine.com, jeremy@coynepowersports.com, sales@sbmotor.com, sheffield@woodscyclecountry.com, info@mmsmarietta.com, schandler@freedompowersportstx.com, sales.performancepowersports@gmail.com, sales@wacomotorsports.com

Our records indicate that your dealership has received or will be receiving a **2014 Can-Am™ Spyder RT SE6**. BRP wants to inform you that these units will be involved in a warranty campaign in the coming days.

The warranty campaign will address a possible oil leak on the clutch cover. The repair consists of a sealing procedure.

This repair should be performed at PDI. If a unit has already been delivered to a customer, please communicate with them to bring the unit back.

Time of repair is approximately 1hr.

Please distribute this email to your respective sales and service departments.

More information is available in BOSSWeb; consult the *Message and Alert* section of the unit history in the Knowledge Center for each unit until the warranty campaign is officially released.

Best regards,

—  
**Dany Davey**

Product Specialist  
 Can-Am Roadster

DanyD  
BRP Service Dept. - USA



Point 704  
Revised: 10-14-2011  
Location: USA

#### ✓ 2013-8 warranty campaign - Explanations

4 weeks ago

As many may have noticed BRP has released a warranty campaign which addresses all 2013 models.

I want to take this opportunity to clarify certain points.

##### Point A: Seal the Front Fuse Boxes

This is a fairly straight forward repair. Replace the fuse box covers with the new generation type, seal the splices and positive bus-bar on the back of the fuse boxes. Pay particular attention to the sealing, more is better than not enough. The big brush of the liquid electrical tape can make it easy to smear the wires and splices. Cut the tie-wraps and make yourself some room to access the splices properly.

In this part of the campaign, if you notice any water or corrosion in the fuse boxes or fuse/relays, open a BOSSTWeb case with pictures immediately and a brief description of the situation. A service rep will reply with the appropriate repair procedure. You do not want to continue the repair or do the ECM update with a compromised electrical system.

##### Point B: Update ECM Software

This ECM update addresses 3 issues.

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

B.U.D.S. R2.5.1 is needed for this ECM update, get this latest version ASAP.

##### Explanations:

1. After all the throttle body updates released in the last 3 years we have another small remaining possibility of a P1614 fault code trigger. This latest update addresses this possibility by giving it a second chance before triggering the code. When the ignition switch is turned on the throttle body blades are opened to a certain degree and released making sure it comes back to 0 degrees within a given time. If the time is exceeded the code is triggered. With this latest update a 2nd chance is given, meaning if the time is exceeded the throttle blades will be cycled open/closed a few times then the return to closed position test is done again. If the return time is within the acceptable range, no code is triggered. If the time limit is exceeded the code will be triggered. This will eliminate slightly stiff throttle body blades triggering the code at start up. This is mostly seen with new throttle bodies or low mileage units (less than 1000 miles). This being said... the TST for DTC P1614 will be updated with new information on how to proceed when this code is triggered. I encourage everyone to consult the latest version.
2. Some 2013 models may have experienced "overheating" at start up after the unit has been brought to operating temperature. In situations where I note the unit for 30 minutes... pull in a store or gas station for 5-10 minutes, start the unit up and the Cluster says "HI TEMP"..."LIMP HOME". The code triggered is P0217. The update will address this situation by reading the coolant temp only 30 seconds after the engine has started up, allowing the coolant to circulate through the engine reducing its temperature back below the fault code trigger.
3. Customers have been reporting an increase in heat felt on the side panels and between the seat and the console. The update addresses this issue with a revised fuel mapping mostly between idle and 2700 rpm. In some driving circumstances the heat felt may be reduced. This last part of the update is not applicable to CARB regulated units, this means that units with CARB model numbers will not be updated with this new fuel mapping but the 2 other points above will be addressed. So customers with CARB model numbers will have an ECM update done but only for the first two points, not the third. B.U.D.S. recognizes the model number in the ECM and updates with the appropriate files.

##### Point C: Replace upper belt guard retaining screws (RSST models only)

Before a change was made on the assembly line, some units were produced with screws a bit too short which weren't reaching the locking nylon of the nut. Replacing the screws with longer ones eliminates the possibility of the upper belt guard becoming loose or falling off.