

**CAUTION:** All involved customers must be notified, all involved units must be corrected as per instructions herein.

#### Campaign no.: 2011-0016 2012-0006

June 19<sup>th</sup>, 2012

### Subject: TO BE PERFORMED AT PDI ON **UNREGISTERED (UNSOLD) VEHICLES**

**1- Updated Throttle Body Actuator** Protection

2- ECM and TCM Software Updates

3- Middle Side Panel Grommet Replacement (2011 Models Only)

2012-8 No. **REVISION 1** January 23, 2014

► TEXT(S) BETWEEN ARROWS IS (ARE) MODIFIED ELEMENT(S) TO THE PREVIOUS PUBLICATION.						
YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER			
2011						
2012	Spyder RT SM5 and SE5	All	See attached list			

# PROBLEM

## Problem 1

In some conditions, the throttle body actuator could get damaged, which could lead to fault codes or limp home mode when trying to start the engine.

# Problem 2

Too frequent warning display in cluster due to sensitive calibration.

# **Problem 3**

On some 2011 vehicles, on which 2011-8 OR 2011-13 WARRANTY CAMPAIGNS has not been performed, one of the middle side panels rubber grommets might fall off after multiple removal and installation of the panel.

# SOLUTION

# Solution 1 and 2

Update ECM and TCM with the latest softwares and calibrations.

**IMPORTANT:** This update must be done even if WARRANTY CAMPAIGNS 2011-0008, 2011-0013 OR 2012-0004 have already been performed.

For more detailed explanations on the content of these updates, please refer to the BRP KNOWL-EDGE CENTER. In the keyword(s) field, enter either the article number OR the title between quotes:

ARTICLE NUMBER	TITLE
31881	"Roadster TCM MY13 Calibration update"
31882	"Roadster June 2012 ECM update"

# Solution 3

Install a NEW improved grommet if applicable.

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# **REQUIRED PARTS**

## **Required Parts for Procedure 1** and 2

▶ The following B.U.D.S. version is required and available on *KNOWLEDGE CENTER*.:

### <u>B.U.D.S. - R3.5.1 (or newer) for</u> <u>Roadster - Single File</u>

- 1. Click on "Advanced Search".
- 2. Select "Diagnostic Software".
- 3. In the Keyword(s) field, type in "R3.5.1".
- 4. "SEARCH".
- 5. Identify and download proper file.

Please note that you can also type in the keywords "R3.5.1" directly without going in the "Advanced Search".

# **Required Parts for Procedure 3**

PART	PART NUMBER	QUANTITY
Rubber grommet	705 003 264	2

NOTE: Order parts only if vehicle has to be repaired.

# **PROCEDURE 1 AND 2**

# Overview

The following will have to be done:

- Preparation
- ECM software update
- TCM software and calibration updates
- Updates validation
- ECM initialization
- Clearing faults

## Notes For The Module Updates

Four (4) update operations will be done as per table.

MODULE	APPROXIMATE TIME FOR THE UPDATE
A) ECM software update	4-6 minutes
B) TCM software update	1-2 minutes
C) TCM calibration update (TCM MY13), first of 2 updates	1-2 minutes
D) TCM calibration update (TCM MY13), <b>second</b> of 2 updates	1-2 minutes

**IMPORTANT:** In case of problem updating a module, please consult the *BRP KNOWLEDGE CEN*-*TER*.

# Preparation

## 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.

<u>1. ▶ Place the vehicle on a level surface.</u>

2. Install 4 wheel chocks (2 on each front wheel) to prevent any movements of the vehicle during the procedure.



WHEEL CHOCK INSTALLATION, EACH FRONT WHEEL

### 3. Set transmission to NEUTRAL.

**NOTE:** <u>On SE5 models, the engine may need to be started to set transmission to "N". When done, stop engine.</u>

- 4. RELEASE the parking brake.
- 5. Ensure trailer mode is deactivated (if applicable). Refer to *OPERATOR'S GUIDE*.
- 6. Ensure the vehicle battery is fully charged.
- 7. Connect a portable power pack (fully charged) to the vehicle battery.

**NOTE:** Depending on vehicle model and year of production, the portable power pack can be connected to the battery at one of the following three locations.





CONNECTION AT JUMP START POSTS IN LH SERVICE CENTER UNDER FRONT STORAGE COMPARTMENT COVER 1. NEGATIVE (-) post 2. POSITIVE (+) post

## **B.U.D.S.** Connections

- 1. Connect MPI before starting B.U.D.S. to ensure proper operation. Refer to the proper *SHOP MANUAL* for details:
  - Section 03: ELECTRONIC MANAGEMENT SYSTEMS
  - Subsection 03: COMMUNICATION TOOLS AND B.U.D.S.



- 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.

📬 Information	
No vehicle detected. Make sure that the MPI® is properly connected to the is powered-up.	vehicle and the module
1 T	
Refry	<u>o</u> k
smr2014-026-003_a	
RETRY BUTTON	

#### <u>Compare number of modules shown in B.U.D.S.</u> with following table.



EXAMPLE

MODEL	NUMBER OF MODULES CONNECTED
SM5	6
SE5	7

# A) ECM Software Update

1. Click on Read Data.



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

B U.D.S. detected that the internal ECM software must be updated; 1) Fault memory in all modules will be detected after update is completed 2) Make sure that Power and connection are stable 3) The update may require several minutes Do you want to proceed now?	
(Jpdate/Res(219.000.307.5)	
Company	
The update improves the diagnostic and leg home mode shallopes. It is only compliant with 1 901 Millines CARB valuation (119.000.007). For more defaulted explanations on the content of	ipyder ritus Lupdate
	v
Yes L	¥

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

B.U.D.S. detected that the internal ECM softw However, this vehicle has active or occurred fa mpair troubleshooting. It is highly recommend reveal before applying the update. When read Important update button on the main window.	vare must be updated. utbs. Applying the update now would clear those faults and ed to understand and/or resolve the issues that the faults may y, the update process can be restarted by clicking on the
(Jpdate/Red219 800 007 h)	
Comments	
The under survey the destroyed and in-	home mode shakepes. It is only compliant with Sporter
991 MY13 non GARB whichs (219 800 307 spitals, please refer to the knowledge center	<ol> <li>For more defailed explanations on the content of this is search by keyword. Roadshir August 2013 ECH update</li> </ol>
MT W113 non CARB vehicles (219 800 907 goldte please refer to the knowledge cente	<ol> <li>For more detailed explanations on the content of the exacts by keyword. Readshir August 2013 ECH update</li> </ol>

- 3.1 <u>Clicking "OK" will prompt you to the FAULT</u> 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.
- <u>3.3</u> <u>Click on "IMPORTANT Update" to launch</u> <u>the update process.</u>

**NOTE:** <u>The following top menu button will</u> <u>continue to flash until the ECM software</u> <u>update is performed.</u>

Read Data	Urite Data	Starting	Oper		Save		Print	MPORTANT	Eat
Vehicle	Settings	Monitoring	Activations		Faults	Histo	y		
Summary									
Code	State	Modu	le C	ount	Total Ti	me		Description	
••P0217	Occurred	ECM			3 0011009	E	ngine coo	lant over temperat	ure condition

## 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.



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

Warning	5
4	The cluster security coding does not match with the ECM connected. Do you want to change it?
ba2013-	<u>Yes</u> <u>No</u> <u>No</u>

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.

7	Remove key from the vehicle post and wait until this message disappears before inserting the key again.
	Ignore

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

Informatio	n 🛛
Ф	No vehicle detected. Make sure that the MPI® is properly connected to the vehicle and that the module is powered-up.
	h
rbg2013	3-005-005_a

7. The ECM software update is completed.

# **TCM Updates**

SE5 Models Only

## B) TCM Software Update

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

B.U.D.S. detect 1) All module fi 2) Make sure ti 3) The update Do you want to	ad that the internal TCM sod ult memory will be deleted a lat Power and connection a may require several minutes proceed now?	tware must be after update is re stable	updated: completed		
Comments This update a	lds improved diagnostic fun	ctions to the TO	CM.	<u>j</u> ent	<u>^</u>

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

nformati	n
Ð	Update has been successfully transfered into the TCM.
	OK 13
2012 006	011

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



- 4. When the following message appears:
  - 4.1 Turn ignition key to OFF.
- 4.2 Wait until the message vanishes.

7	Remove key from the vehicle post and wait until this message disappears before inserting the key again.
	Ignore
2012	-006-050

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

Informati	·o	
ų,	No vehicle detected. Make sure that the MPIB is properly connected to the vehicle, that the key is fully inserted on the vehicle DESS® post and that the module is powered-up.	
	QK	

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



SELECTING TCM MY13 CALIBRATION Step 1: Settings Step 2: Vehicle configuration Step 3: SELECT TCM MY13 calibration

7. When the following box appear, click "OK".



8. Click the Write Data button.



9. When the following message appear, click "Yes".



10. When the following message appear, click "OK".

Informatio	n 🗵
(j)	The document was successfully written into the vehicle.
	QK
rbg2012-006-	106

- 11. Turn ignition key OFF.
- 12. Wait 3 seconds.
- 13. Turn ignition key ON.

### C) TCM Calibration Udate (TCM MY13) 1 of 2 updates

- 1. Click on Read Data.
- 2. When the following message appears, click "Yes".



3. When the following message appear, click "OK".

Informatio	n X
Ф	Update has been successfully transfered into the TCM.
	QK R
rbg2012-006-0	11

### D) TCM Calibration Udate (TCM MY13 ) 2 of 2 updates

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



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

Informatio	m	×
<b>(</b>	Update has been successfully transfered into the TCM.	
	OK 13	
rbg2012-006-0	011	

- 3. When the following message appears:
  - 3.1 Turn ignition key to OFF.
  - 3.2 Wait until the message vanishes.

Write to v	whicle completed		×
$\overline{\mathbf{V}}$	The electronic system need:	o be rebooted. Please turn off the vehicle and wait until this message disappears.	
		I will do it later	
rbg2014	4-001-002		

- 4. When the following message appears:
  - 4.1 Turn ignition key to ON.
  - 4.2 Wait until the message vanishes.

Ų	No vehicle detected. Make sure that the MPI8 is properly connected to the vehicle, that the key is fully inserted on the vehicle DESS® post and that the module is powered-up.

# **Update Validation**

## ECM

1. Click on Read Data button.



- 2. Check if the update has been successfully done by selecting:
  - Module drop down list
  - ECM
  - Information

Elle Yew M2100 120010 Tools Help <u>Color Tools Help</u> <u>Color Tools Help</u> <u>Color Tools</u> <u>Color </u>	mation to the second se	ſ
Read Data	Write Data	Star
Vehicle	Setting	Monitorin
rbg2009-003-100		

- 1. ECM module information
- 3. Look at the "BRP Assembly Number"

ECM Information	?
BRP Assembly Number:	****
BRP Revision Number	
Rotax Part Number	200704
Rotas Hardware Number	
Serial Number	1202075139
Code Modification Fregerprint	09091021214
Diagnosis Code Byles	02410400
2011-007-005 a	Close

- TYPICAL
- 1. BRP Assembly number

ECM INFORMATION				
	<u>MY 2011</u> <u>- 2012</u> non- CARB	<u>SE5</u>	<u>420 666 567</u>	
<u>BRP</u> assembly		<u>SM5</u>	<u>420 666 565</u>	
number	<u>MY 2012</u>	<u>SE5</u>	<u>420 666 498</u>	
	CARB	<u>SM5</u>	<u>420 666 496</u>	

- 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.

## тсм

## SE5 Models Only

- 1. Check if the update has been successfully done by selecting:
  - Module drop down list
  - TCM
  - Information



1. TCM module information

2. Look at the "Supplier Software Number" and the "BRP Calibration Number".

Stif Asserbly Nation	1100000011
Sugar Santoan Ronton	\$11,100 x 400
Supplier Software Number	XXXXXXXXX
BRP Calibration Number	XXXXXXXXXX
Official Contracts	100.0
Sanat Number	140000000000
International Property	1.002210.000000
Depres Condition	100000
transfer for the California	201100

#### TCM INFORMATION

TCM INFORMATION			
INFORMATION ITEM VALUE			
Supplier Software Number		S01212D05	
BRP Calibration Number	TCM MY13 updated (selected in B.U.D.S. vehicle configuration)	710003390	

- 3. If "Supplier Software Number" **AND** the "BRP Calibration Number" in the table are found in B.U.D.S., the update was successful.
- 4. If a wrong number is found, repeat the update procedure.

## ►ECM Initialization ◄

► IMPORTANT: Do not activate anything on the vehicle while performing a module reset.

## **ECM First Initialization**

<u>1. In B.U.D.S., click the items in the illustrated order.</u>



<u>4. When the following message appears, click the</u> <u>"OK" button.</u>

Be MEI® Bodule Iools Help					
Read Data	Write Data	K Starting	Open	Save	Print
Vehicle	Settings	Monitoring	Activations	Faults	History
Thro	tle position sensor Throttle Opening: TP	7.8 S Learned 🔆	%		
		<u>R</u> eset			
Gear position sensor Reset (R) Learned (3) Learned (1) Learned (1) Learned (1) Learned (2) (2) Learned (2) Learne					
ECM first initialization					
ECM Cluster VCM DPS ACC Vehicle Configuration					
rbg2013-005-00	17_b				
CEAD DOG	SITION SEI	NODIE	ne		



## **GBPS** Learning

1. Position a floor jack under the lower portion of the rear shock absorber and lift the rear of vehicle until the rear wheel is off the ground.

**NOTICE** The floor jack must be positioned so that it cups the lower portion of the rear shock absorber.



Lower portion of shock absorber

## 

Before starting engine, ensure the rear tire is well off the ground and cannot come into contact with any obstacle (ground, jack stand, etc.). Keep hands, tools, feet and clothing clear of rotating parts (rear wheel assembly, drive belt). Ensure no one is standing in close proximity to the vehicle.

2. Start engine.

3. Run transmission through all gears (N, R, 1-2-3-4-5 and back to N) waiting until its LED turns green (in B.U.D.S.) before changing gear.

NOTE: On SM5 models, the clutch must be fully released for each gear.

**NOTICE** Apply brake to stop wheel before shifting from reverse to forward.

NOTE: Engine speed above 3000 RPM is required to shift forward gears.

A CAUTION Do not exceed 3800 RPM.

NOTE: During the GBPS learning procedure, the cluster may show an orange screen and numerous indicator lights may come on (CHECK ENG, VSS, ABS, LIMP HOME, etc).

Read Data       Write Data       Starting       Open       Save       Print         Vehicle       Settings       Monitoring       Activations       Faults       History         Vehicle       Settings       Monitoring       Activations       Faults       History         Throttle position sensor       7.8%       TPS Learned       (3) Learned       (4) Learned       (4) Learned       (1) Learned       (2) Learned       1         Ecom first initialization       (2) Learned       (5) Learned       1       1         Ecom first initialization       Beset       1       1         Ecom first initialization       Beset       1       1	Ble MEI® Module	Bie MQ18 Module Iools Help				
Vehicle       Settings       Monitoring       Activations       Faults       History         Throttle position sensor       TPS Learned       Image: Comparison of the sensor       Image: Comparison of the sensor <t< td=""><td>Read Data</td><td>Write Data</td><td></td><td>Open</td><td>Save</td><td>Print</td></t<>	Read Data	Write Data		Open	Save	Print
Throttle position sensor         TPS Learned         Reset         Gear position sensor         (R) Learned         (R) Learned         (A) Learned         (B) Learned         (C) Learned         (D) Learned         (ECM first initialization         Reset         Reset         (B) Learned         (C) Learned         (D) Learned         (ECM first initialization         Reset         Reset         (Duster) VCM         DPS         ACC         Vehicle Configuration	Vehicle	Settings	Monitoring	Activations	Faults	History
Throttle Opening:       7.8%         TPS Learned       Reset         Beset       (3) Learned         (1) Learned       (3) Learned         (2) Learned       (5) Learned         (2) Learned       (5) Learned         (2) Learned       (1) Learned         (2) Learned       (2) Learned         (3) Learned       (1) Learned         (2) Learned       (2) Learned         (3) Learned       (2) Learned         (2) Learned       (3) Learned         (3) Learned       (3) Learned         (2) Learned       (3) Learned         (2) Learned       (3) Learned         (2) Learned       (3) Learned         (3) Learned       (3) Learned         (2) Learned       (3) Learned         (2) Learned       (3) Learned         (2) Learned       (3) Learned         (3) Learned       (3) Learned         (3) Learned       (3) Learned         (3) Learned       (3) Learned         (2) Learned       (3) Learned         (3) Learned       (4) Learned         (3) Learned       (5) Learned         (4) Learned       (5) Learned         (5) Learned       (5) Learned	⊂Thrott	le position sensor-				
Image: Section sensor         Gear position sensor         (R) Learned         (N) Learned         (1) Learned         (1) Learned         (2) Learned         (2) Learned         (2) Learned         (2) Learned         (3) Learned         (3) Learned         (3) Learned         (2) Learned         (3) Learned         (2) Learned         (3) Learned         (2) Learned         (3) Learned         (2) Learned         (3) Learned         (4) Learned		Throttle Opening:	7.8	%		
Beset         Gear position sensor         (R) Learned         (N) Learned         (1) Learned         (2) Learned         (2) Learned         (3) Learned         (1) Learned         (2) Learned         (3) Learned         (3) Learned         (3) Learned         (4) Learned         (5) Learned         (2) Learned         (3) Learned         (2) Learned         (3) Learned         (4) Learned         (5) Learned         (2) Learned         (3) Learned         (4) Learned         (5) Learned         (6) Learned         (7) Learned         (8) Learned         (9) Learned         (1) Learned         (2) Learned         (3) Learned         (1) Learned         (2) Learned         (3) Learned         (1) Learned         (2) Learned         (3) Learned         (3) Learned         (3) Learned         (1) Learned         (1) Learned         (2) Learned         (3) Learned <tr< td=""><td></td><td>TPS</td><td>Learned 😽</td><td></td><td></td><td></td></tr<>		TPS	Learned 😽			
Gear position sensor       (R) Learned       (3) Learned         Reset       (N) Learned       (4) Learned         (1) Learned       (5) Learned       1         ECM first initialization       Reset       1         ECM first initialization       Reset       1         ECM first initialization       Reset       1			Pacat	1		
Gear position sensor       (R) Learned       (3) Learned         Reset       (N) Learned       (1) Learned         (1) Learned       (5) Learned       1         ECM first initialization       Beset       1         ECM       Cluster/VCM_DPS_ACC_Vehicle Configuration       0			Reser			
Reset       (R) Learned       (3) Learned         (N) Learned       (4) Learned         (5) Learned       (5) Learned         (2) Learned       (5) Learned         (2) Learned       (6) Learned         (2) Learned       (7) Learned         (2) Learned	Gear	position sensor				
Reset       (ii) Learned         (i) Learned       (i) Learned         (i) Learned       (i) Learned         (i) Learned       (i) Learned         (i) Learned       (i) Learned         (ii) Learned       (ii) Learned         (iii) Learned       (iii) Learn		(R) L	earned 🐣	(3) Learned		
Image: Construction       ECM first initialization       Beset	B	Reset (N) Learned (4) Learned (4) Learned (5) Learned (6)				
ECM first initialization  ECM Cluster VCM DPS ACC Vehicle Configuration  the 2012 005 007 c		(2) L	earned	(b) Ecamed		
ECM first initialization  ECM Cluster VCM DPS ACC Vehicle Configuration  the 2012 005 007 c					-1	
ECM first initialization  ECM Cluster/VCM_DPS_ACC_Vehicle Configuration  the2013 005 007 c						
ECM first initialization  ECM Cluster VCM DPS ACC Vehicle Configuration  the 2012 005 007 c						
ECM [Luster] VCM ] DPS ] ACC ] Vehicle Configuration]	-ECM					
ECM Cluster/VCM DPS ACC Vehicle Configuration	ECIVI	EGM Inst initialization				
Beset           ECM         Cluster         VCM         DPS         ACC         Vehicle Configuration           dea2012_005_007_0         Cluster         Cluster         VCM         DPS         ACC         Vehicle Configuration						
ECM Cluster VCM DPS ACC Vehicle Configuration		Reset				
ECM Cluster VCM DPS ACC Vehicle Configuration						
	ECM Cluster	VCM DPS A	CC Vehicle C	onfiguration		
1bgz013-003-007_0	rbg2013-005-00	7_c				

- GEAR POSITION SENSOR LEARNING LEDS 1. Wait until the gear LED turns green (learned) before shifting
- 4. All gear position sensor LEDs must be green in B.U.D.S. to confirm the GBPS learning is completed.

Bie MEI® Module Iools Help					
Read Data	Write Data	K Starting	Open	Save	Print
Vehicle	Settings	Monitoring	Activations	Faults	History
Thrott	le position sensor Throttle Opening: TP:	7.8 S Learned <del>美</del>	%	'	'
		<u>R</u> eset			
Gear position sensor Reset (N) Learned (A) Learned (A) Learned (I) Learned (C) Learned (C					
ECM first initialization Beset					
ECM Cluster VCM DPS ACC Vehicle Configuration rbg2013-005-007_d					

- <u>ALL GEARS LEARNED</u> <u>1.</u> All gear position sensor LEDs ON
- 5. Turn ignition key OFF.

#### 6. Wait for the following message to appear.

Informatio	un 🔀
Ф	No vehicle detected. Make sure that the MPHD is properly connected to the vehicle and that the module is powered-up.
	<u></u> In_
rbg201	3-005-005_a

7. Turn the ignition key ON and wait until the message vanishes.

# ► 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 the "Yes" button.

Confirm	$\mathbf{X}$
2	Do you really want to clear all occurred faults?
	<u>Y</u> es <u>N</u> o
rbg2012-006-11	9

**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.

Information	
Ð	No vehicle detected. Make sure that the MPI® is properly connected to the vehicle and that the module is powered-up.
	[ <u></u> ]
rbg2013	-005-005_a

- 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 BE-FORE exiting B.U.D.S. or unplugging the MPI-2 diagnostic cable from the vehicle.

- 8. Unplug MPI-2 diagnostic cable from vehicle.
- 9. Remove floor jack from under vehicle.

CONFIRM CLEAR FAULTS REQUEST - YES

# **PROCEDURE 3**

**NOTE:** To be carried out only on 2011 vehicles on which *WARRANTY CAMPAIGN 2011-0008 OR 2011-0013* has not been done.

1. Remove the middle side panel.



- 1. Middle side panel
- 2. Identify grommet type.



LH SIDE OF VEHICLE SHOWN 1. Check this grommet ONLY



OLD TYPE - SMOOTH OUTER EDGE



rbg2012-005-002

NEW TYPE - NOTCHES ON THE OUTER EDGE AND MOLDED STEEL WASHER

GROMMET TYPE	ACTION
Old Grommet type	Replace by (P/N 705 003 264)
New Grommet type	No action required

- 3. If required, remove the grommet using a flat screwdriver.
- 4. Scrape off any remaining grommet and glue residue from area where grommet was glued.
- 5. Install the new grommet.
- 6. Repeat steps on the other side of the vehicle.

# WARRANTY

Submit a campaign claim using the following information. This will credit labor for the software update and grommet replacement.

If applicable, claim the throttle body assembly under normal warranty. The B.U.D.S. **.mpem** file will be requested when processing the warranty claim.

If required, claim middle side grommets under a pre-delivery type claim. No labour will be paid as it is already included with the campaign claim.

## 2011 Models

REPAIR (ECM AND TCM SOFTWARE UPDATES)		
Campaign Number 2011-0016		
Claim Type	Campaign Claim	
Action	Repair	
Flat Rate Time	0.3 hour	

Click in the **Repair** check box.

*Actio	n
Inspect	Repair
Upload File	
mbg2012-010-004_ben	

# 2012 Models

REPAIR (ECM AND TCM SOFTWARE UPDATES)		
Campaign Number	2012-0006	
Claim Type	Campaign Claim	
Action	Repair	
Flat Rate Time	0.3 hour	

Click in the **Repair** check box.



# ► SERIAL NUMBERS LISTING OF 2011 INVOLVED VEHICLES ◀

#### Model: A3BB

000872 002188

### Model: A4BB

000253 From 000260 to 000261 000271 000378 000499 From 000554 to 000556 000560	000614 000616 000637 000639 000644 000647 From 000649 to 000650	From 000655 to 000656 000658 000723 000730 000857 000938 000947	001093 001095 001097 From 001099 to 001104 001160 001166 001169	001213 001218 001220 001222
<i>Model: A4BD</i> 000557 000559	From 000561 to 000562 From 000574 to 000576	000578		
<i>Model: A4BF</i> 000008 000153 000321 000535 000547 000553 000557 000560 From 000573 to 000574 <i>Model: A4BH</i> 000003 00005 000015	000576 000901 000905 000908 000910 000913 From 000916 to 000920 From 000923 to 000924 From 001071 to 001072	001075 001078 001080 001154 From 001156 to 001162 001165 From 001167 to 001170 From 001173 to 001174 001201	001207 001210 001285 From 001287 to 001289 From 001291 to 001293 001295 001303 From 001307 to 001308 From 001518 to 001519 000848 From 000850 to 000851 From 001089 to 001090	001535 From 001915 to 001920 002191 002196 From 002198 to 002200
From 000021 to 000022	From 000687 to 000688	000844	001092	
001991				
<i>Model: A7BD</i> 000081	000098 000581			
<b>Model: A9BB</b> 000508 000514	000522 000737	From 000748 to 000749 000751	000754	001063 001223
<b>Model: A9BC</b> 001165				
<b>Model: B5BA</b> 000060 000711				
<b>Model: B9BB</b> 000326 From 000362 to 000363 From 000368 to 000369	000372 000382 000385	000785 001060 001082	001659 001664 001674	From 001682 to 001683 001686 001695

#### *Model: B9BB (cont'd)* From 001704 to 001705

From 001704 to 001705 From 001816 to 001817 From 001832 to 001833 002066 002068 002073 002103 002127

# ► SERIAL NUMBERS LISTING OF 2012 INVOLVED VEHICLES <

<i>Model:</i> 000755 001103	A3CA	001445 001872	002095	002098 002135	
<b>Model:</b> 000151	A3CB				
<i>Model:</i> 000036 000823	A4CA	000847 000862	001066 001224	001470	001586 001739
<b>Model:</b> 000255 000260 000265 From 0004	<b>A4CB</b> 403 to 000404	000419 From 000706 to 000708 000894 From 001076 to 001078	001080 From 001087 to 001088 001259 002218	002342 002344 002351	002353 002358
<i>Model:</i> 000267 000304 000319 000430 000526	A4CC	000529 000578 000592 000602 000754	000791 000826 000932 000954 000964	001010 001048 001085 001133 From 001186 to 001187	001198 001201 001232
<i>Model:</i> 000011 000363	A4CD	000370 000397	From 000402 to 000403	000407 From 001308 to 001309	
<i>Model:</i> 002239	A4CE	002330 002340			
<b>Model:</b> 000391	A4CF				
<i>Model:</i> 000122 000508 000550 000560 000699 000709	A4CG	000844 000863 001000 001082 001181 001186	001314 001459 001512 001651 001713 001781	001801 001806 From 001828 to 001830 001861 001881 001886	001900 001906
<i>Model:</i> 000038 000046	A4CH	000631 From 000635 to 000636	000733 000735	000741 002043	002047 002049
<i>Model:</i> 000499 001553	A4CJ				
<i>Model:</i> 000296 001779	A7CA	001785 002255			
<i>Model:</i> 000765 001059	A7CC	001300	001677 001680		

<b>Model:</b> A 000191	1 <i>7CD</i>	000637 000641			
<i>Model: A</i> 000011 000190	1 <i>9CA</i>	001295 001700			
<i>Model: A</i> 000168 000315	1 <i>9CB</i>	000995 001301	From 001809 to 001810	002288 002290	
<i>Model: A</i> 000487 001108	1 <i>9CC</i>	001485	001606 001949		
<b>Model:</b> A From 00053 000539	1 <b>9CD</b> 5 to 000536				
<i>Model: B</i> 000129 000910	85CA	001276 001278	001611 001619	001621 001759	001771 001773
<i>Model: B</i> 000354 000381	85CB	From 000950 to 000951 From 001240 to 001241	001399 001575	001587	001589 001595
<b>Model: B</b> 000145 From 00061	<b>5 to 000616</b>	000631 000850	001073 001259		
<b>Model: B</b> 002224 002230	85CD				
<i>Model: B</i> 000345 000830	89CA	001093	001333 001517		
<i>Model: B</i> 000110 000178 000386 000388	89CB	000390 001179 001190 001470	001538 001684 001689 001705	001772 001842 001845 From 001847 to 001848	
<i>Model: B</i> 000230 001201	89CC				
Model: B 000006 From 00000 From 00002 000037 000164 000187 000825 Model: B	9 to 000010 2 to 000023	000919 001291 001318 001325 001420 From 001423 to 001424 From 001706 to 001707	001709 From 001713 to 001715 001717 From 001721 to 001722 001733 From 001735 to 001737 From 001739 to 001740	001886 001892 001895 From 001993 to 001994 From 001996 to 001997 From 002001 to 002002 002004	002051 002053 002059 002085 002089
			001302 001832		

## Model: B9CF

From 000647 to 000648	000988	001737
000652	From 000991 to 000992	001742
000656	000995	002011
000661	From 001732 to 001733	002013

### Model: B9CG

000591	001858
000790	001861
000792	

### Model: B9CH

001555

002016 002019