

• NOTE: Repair only if described symptoms exist or are noticed.

August 1 st , 2011	Subject: Fault Code P0106 Activation When Riding	No.	2012-3
-	in High Altitude		

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2012	Can-Am™ Commander™ Series	All	All

PROBLEM

When ridden above 1 500 m (5,000 ft) at 6000 RPM's or higher, MY2012 Commanders could activated the P0106 fault code (Manifold Absolute Pressure Circuit Range/Performance) without a valid reason.

SOLUTION

Download and install the new calibration file as explained in this bulletin.

PROCEDURE

FC File Download

Download the file from BOSSWeb to your shop computer. This calibration file will update the ECM software.

Proceed as follows:

1. On the internet, go to the BOSSWeb site:

WWW.BOSSWEB.BRP.COM

- 2. Under ComCenter drop down list, select: – DOCUMENT
- 3. In the menu, select:
 - Document Type: **DIAGNOSTIC SOFTWARE**
 - Category: B.U.D.S.
 - Product Line: SSV
- 4. Click on arrow to start search and wait for result.
- 5. Select box and download the calibration update file:



NOTE: Remember where you save the file to retrieve it. If your internet connection is on another PC, download the file to a memory key or other method of transfer, to update your shop computer.

B.U.D.S. Database Update

- 1. Carry out all connections before starting B.U.D.S. to allow proper operation.
- 2. Turn ignition key to ON.
- 3. Use B.U.D.S. version C3.3.1 or higher, available on BOSSWeb.
- 4. Start B.U.D.S. and logon.
- 5. Ensure both USB and CAN lights of MPI-2 are green.
- 6. If the following message is displayed, it should disappear as soon as B.U.D.S. detects communication. If it remains displayed, click the button "Try active detection mode".



7. Click on *TOOLS* drop down list and select: – *UPDATE DATABASE...*



8. Click on *ADD UPDATE*.

Name	Date	Description	File Name
HY191IB8	2008-02-12	Overtemp Engine Limitation correction for first generation Production ECU	715 900 059.fc
HY1911B7	2008-02-12	Overtemp Engine Limitation correction for second generation Production ECU	715 900 059.fc
Outlander C18 709400830	2009-06-18	Outlander calibration for C18	715 900 070.fc
Renegade C18 709400831	2009-06-18	Renegade calibration for C18	715 900 070.fc
S01112C18_WITH	2009-06-18	Outlander Calibration + Software for C18	715 900 070.fc
S01112C18_WITH	2009-06-18	Renegade Calibration + Software for C18	715 900 070.fc
S01112C18_WITH	2009-07-02	Software and calibration update for ATV Outlander/Renegade as per Service Part - Boot mode	715 900 070 fc
S01112C18_WITH_	2009-07-02	Software and calibration update for ATV Outlander/Renegade as per Service Part - Boot mode	715 900 070.fc

- 9. Locate the previously downloaded calibration update file and click *OPEN*.
- 10. Click *"OK"* when the confirmation message appears.
- 11. Click *CLOSE* in the "Update Database".

New Calibration File

ECM Software Update

NOTICE Avoid any interruption during the update. Disable the PC screen saver and use also a power outlet for the PC.

1. Clear any faults using B.U.D.S., refer to appropriate *SHOP MANUAL*.

Venicle	Setting	Monitoring	Activation	- auts	History
Summary					1
Code	State	Module	Count	C sle Time	Total Time
"P0107	Active	ECM		1	
"P0122	Active	ECM		1	
"P0222	Active	ECM		1	
"P081B	Active	ECM		1	
"P212C	Active	ECM		1	
"P2228	Active	ECM	2	1	
C006C	Active	ECM		1	
"U0302	Active	ECM		1	
			¥		
Active and Occurred	J Faults	Clear D	courred Faults		

1. Select Faults page tab

- 2. Click on the Clear Occurred Faults button
- 2. Click on **Module** drop down list and select **ECM** then **Update**.



1. Select this file

3. When the following message appears, click the "**Yes**" button so that the update takes place.

Tou are about to update the internal ECM software. Make sure that ECM power and c stable. The update may require several minutes. Do you want to proceed now?	onnections ar
Comments	nuth A
Spyne RT H111 vehicles (219400227)	
	V

NOTICE The ECM Update might take a couple minutes. While the ECM is being updated, an hour glass will appear on the computer. The computer screen might also blank out. DO NOT TOUCH ANYTHING until the following message appears. Then, click the "OK" button.

Informatio	'n	×
Ф	Update has been successfully transfered into the ECM.	
	OK R	
bg2009-005-1	02	

IMPORTANT: In case of problem updating the ECM, please contact the BRP technical support team before replacing it.

4. When the update is completed, B.U.D.S. will automatically read the ECM then the following message will appear. Click the "**Yes**" button.

Warning	Σ
⇒	The cluster coding does not match with the ECM connected. Do you want to change it?
bg2009-0	Yes No 005-105

1. Remove the ignition key when the following message appears. Do NOTHING during this moment, the message will disappear automatically.

ECM Tra	cking	X
♪	Remove key from the vehicle post and wait until this message disappears before inserting the key again.	
rbg2009	H-005-106	

- 2. Reinstall the key and turn it in ON.
- 3. In B.U.D.S., click on the *READ DATA* button.



4. Check if the update has been successfully done by selecting the MODULE drop down list and select ECM then INFORMATION.

Read Data	Write Data	Star
Vehicle	Setting	Monitorin

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

BRP Assembly Number:	XXXXXXXXX
BRP Revision Number	
Rotax Part Number	200704
Rotas Hardware Number	ex.exes 1
Serial Number	1202075139
Code Modification Fregerprint	09091021214
Diagnosis Code Bytes	02410400
	Close

1. BRP Assembly number

6. If the proper number is not in place as per the following table, repeat the update procedure.

VEHICLE	BRP ASSEMBLY NUMBER MUST BE EITHER	
Commander 800R (all except CE* models)	420 266 990 or 420 266 992	
Commander 800R (CE models only)	420 266 991 or 420 266 993	
Commander 1000 (all except CE models)	420 266 954 or 420 266 956	
Commander 1000 (CE models only)	420 266 955 or 420 266 957	
* CE is for European Community vehicles		

WARRANTY

Submit a warranty claim using the normal claiming procedure and the job code 10-58.

For claiming procedure, refer to the *DEALER/DIS-TRIBUTOR WARRANTY GUIDE*.