

August 1st, 2011

Subject: **A) New Calibration File for MY11
Commander**

No. **2011-12**

B) Maintenance Hours Reset Procedure

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2011	Commander 800 and 1000	All	All

A) NEW CALIBRATION FILE

In order to address particular items seen on MY11 Commander, a new FC file was created. The items are :

1. Oil pressure switch logic:

The new file increases the time the ECM has to recognize the oil pressure switch signal and will also change the RPM parameters for the fault activation.

2. Drive belt protection when driver's seat belt is not latched:

The characteristics of the unlatched seat belt engine limitation has changed in order to obtain a better clamping force on the belt. This will slightly increase the torque and will prevent the drive belt from being damaged when going on inclines.

3. Possible occurrence of fault code P1339:

At occasions, a glitch in the ECU parameters could allow this fault (P1339) to be displayed in the cluster without valid reasons. The new ECU parameters will prevent the fault to be displayed in the cluster.

NOTE: Although this fault will be invisible to the rider, this fault could appear in B.U.D.S. display.

IMPORTANT: This new calibration file is available in BOSSWeb only; it IS NOT included in the latest SSV version of B.U.D.S.

Ensure to download the latest SSV version of B.U.D.S. available from BOSSWeb, and then download the calibration file 715 900 196.fc.

This calibration file may need to be downloaded and added to any future B.U.D.S. versions, as needed.

B.U.D.S. VERSION	CALIBRATION FILE (P/N)
C3.3.1	715 900 196.fc

FC File Download

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

NOTE: Use B.U.D.S. version C3.3.1 or higher.

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:



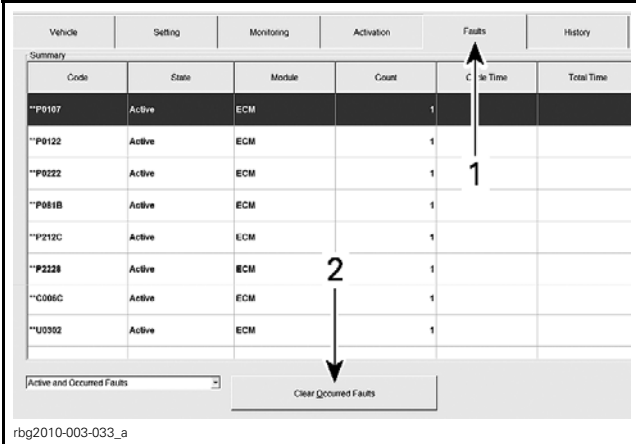
NOTE: Remember where you save the file to retrieve it. If your internet connection is on another PC, download the file to a memory key or other method of transfer, to update your shop computer.

New Calibration File

ECM Software Update

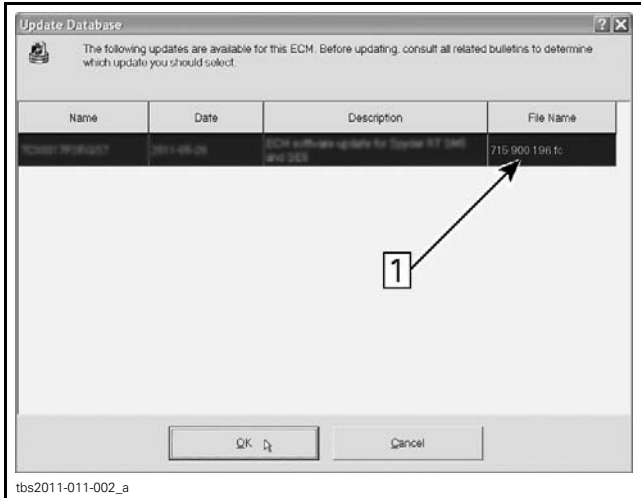
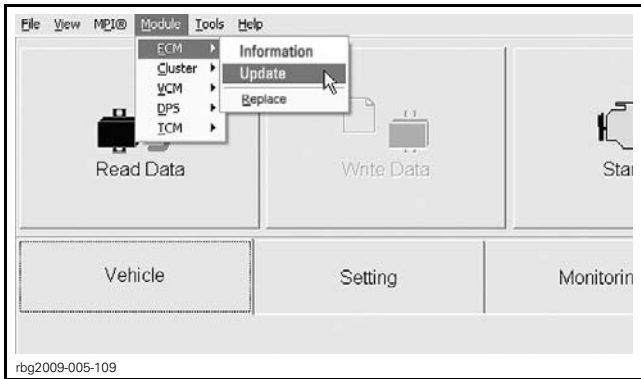
NOTICE Avoid any interruption during the update. Disable the PC screen saver and use also a power outlet for the PC.

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



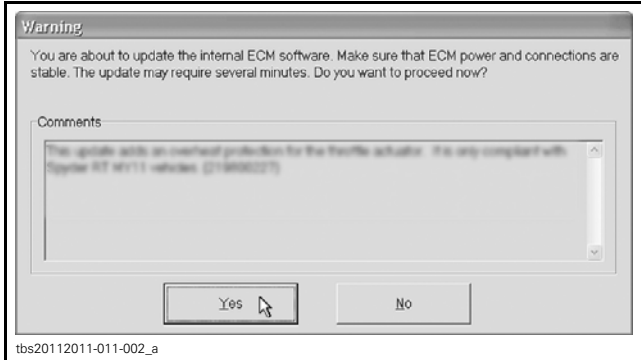
1. Select Faults page tab
 2. Click on the Clear Occurred Faults button

2. Click on Module drop down list and select ECM then Update.

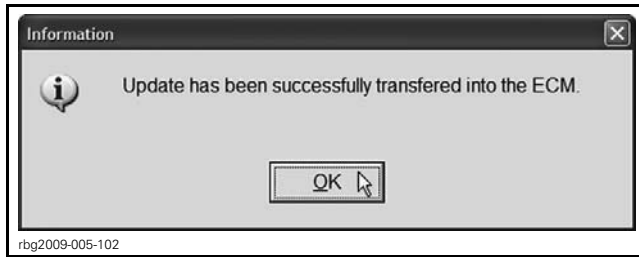


1. Select this file

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

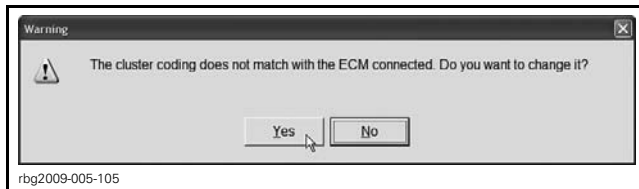


NOTICE The ECM Update might take a couple minutes. While the ECM is being updated, an hour glass will appear on the computer. The computer screen might also blank out. DO NOT TOUCH ANYTHING until the following message appears. Then, click the "OK" button.

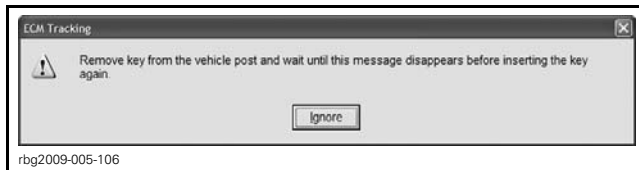


IMPORTANT: In case of problem updating the ECM, please contact the BRP technical support team before replacing it.

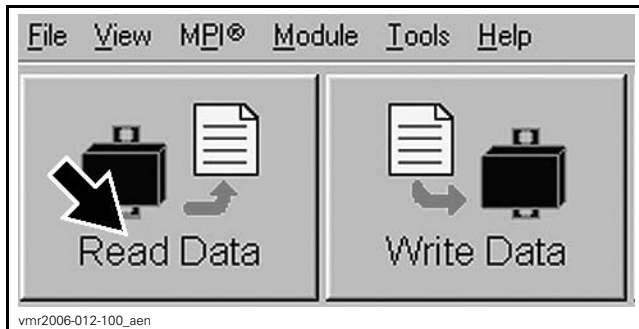
- When the update is completed, B.U.D.S. will automatically read the ECM then the following message will appear. Click the "Yes" button.



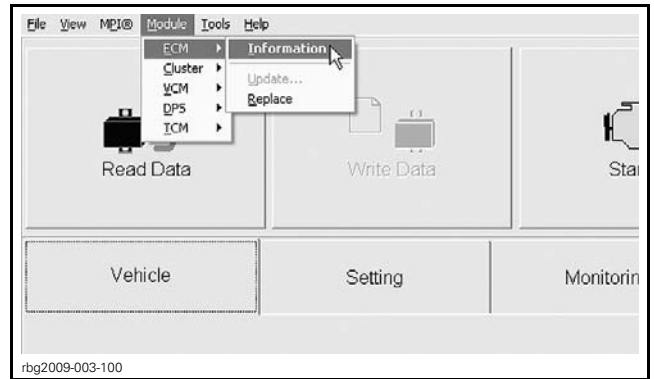
- Remove the ignition key when the following message appears. Do NOTHING during this moment, the message will disappear automatically.



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

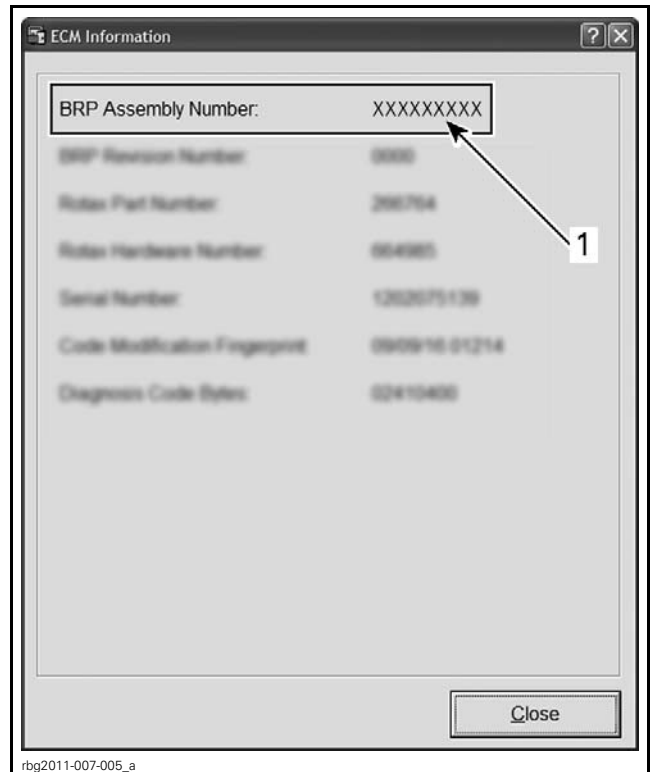


- Check if the update has been successfully done by selecting the MODULE drop down list and select ECM then INFORMATION.



- ECM module information

- Look at the "BRP Assembly Number"



TYPICAL

- BRP Assembly number

- 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

VEHICLE	BRP ASSEMBLY NUMBER MUST BE EITHER
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	

B) RESET MAINTENANCE HOURS

The Commander is using a unique feature to reset the maintenance hours.

When the message **MAINTENANCE REQUIRED** appears, the message can be reset without BUDS by performing the following procedure:

NOTE: This procedure differs from the one used in the shop manual or operator's guide. Please make sure to communicate this information to your customer.

1. ECM must be completely powered down.
2. Transmission in PARK.
3. Turn the ignition Switch ON.

NOTICE Engine must NOT be running.

Now the following steps must be done in this order in **4 seconds or less**:

1. Press the Override Button.
2. Press the Brake Pedal.
3. Release the Brake Pedal.
4. Release the Override Button.
5. Press the Brake Pedal.
6. Release the Brake Pedal.
7. Press the Override Button.
8. Press the Brake Pedal.
9. Release the Brake Pedal.
10. Release the Override Button.
11. Turn ignition switch to OFF and Allow to Power All the Way Down.

NOTE: After turning the ignition switch to OFF, the electrical system stays ON for a moment. Wait till it's completely off.

Next time the ignition switch is turned on the maintenance message will not be displayed.

NOTE: In the event the maintenance required message is still present, do the procedure again.