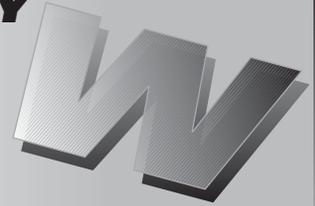


can-am



WARRANTY
CAMPAIGN

ROADSTER
WARRANTY
Bulletin



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

Campaign no.: 2010-0003

December 18th, 2009 Subject: **Spyder™ RT Electronic Modules Software Update**

No. **2010-3**

REVISION 1
January 14, 2010

YEAR	MODEL	MODEL NUMBER	SERIAL NUMBER
2010	Spyder™ RT	A4AA, A4AD, B5AA, B5AB, B5AG	See attached list

► Underlined text(s) between arrows is (are) added element(s) to the original publication. ◀

PROBLEM

A new and improved software is available for early release Spyder RT vehicles. This new software will optimize vehicle performance and improve overall function of controls.

SOLUTION

Update ECM, Cluster, LCD, DPS, WPM, and TCM (SE5 only) software with the new improved version.

PROCEDURE

Computer and Vehicle Preparation

NOTICE Continuous power to the computer and to the vehicle is mandatory during this operation. 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. This software update of the vehicle modules will take some time to complete and **MUST NOT** be interrupted or damage to a module will occur.

1. Ensure you have B.U.D.S. version P2.3.28 available on BOSSWeb installed on your computer.

NOTE: The required update file (219 800 159 fc) is provided with B.U.D.S. version 2.3.28. This version of B.U.D.S. allows you to see and re-flash the LCD module in the cluster, in addition to the other modules previously available.

2. Ensure the vehicle battery is fully charged.
3. Connect a portable power pack, or a 2 amp battery charger to the vehicle battery to ensure there is enough power to complete the software updates.



rbg2010-003-032

PORTABLE POWER PACK OR A 2 AMP BATTERY CHARGER

NOTE: The updates will take up to 35 minutes. If you are using a 2 amp battery charger and encounter communication problems during an update, your battery charger may be producing excessive electrical noise and a battery pack will need to be used. Some battery chargers are electrically "noisier" than others.

4. Connect all components before starting B.U.D.S. to ensure proper operation. Refer to *CAN-AM 2010 SPYDER RT SHOP MANUAL* - Section 03 ELECTRONIC MANAGEMENT SYSTEMS (Subsection 2) *COMMUNICATION TOOLS AND B.U.D.S. SOFTWARE* for details.

PART REQUIRED
PC COMPUTER

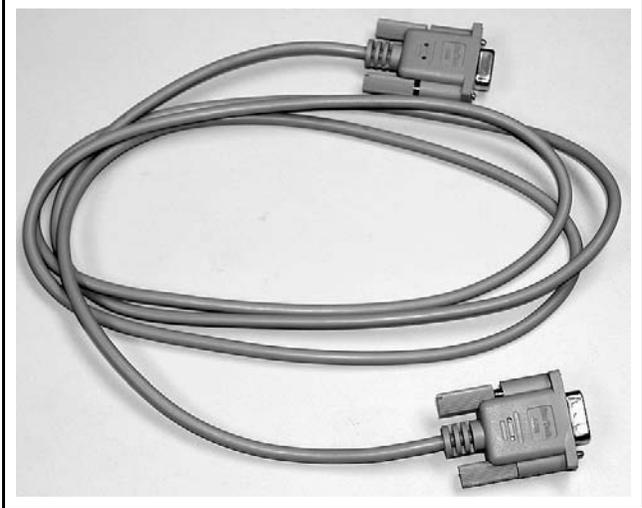
MPI-2 INTERFACE CARD (P/N 529 036 018)



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



NOTE: AN EXTENSION CABLE AVAILABLE AT ELECTRONIC RETAIL OUTLETS CAN BE USED. DO NOT EXCEED 7.6 M (25 FT).



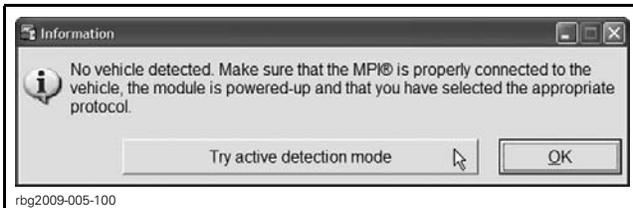
5. Turn ignition key to ON.



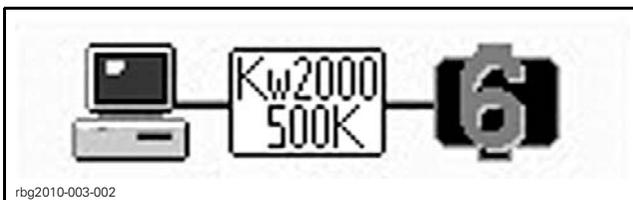
6. Start B.U.D.S. and logon.



NOTE: The following message will be displayed momentarily. If it does not disappear automatically, click on the "Try active detection mode" button.



NOTE: The Kw2000 (500K) icon will appear at the bottom of the screen indicating a successful connection. The number to the right indicates the quantity of modules detected.

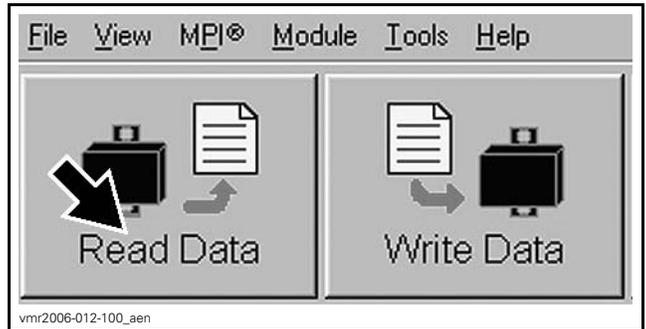


TYPICAL — SM5 ILLUSTRATED
1. Icon indicating a successful connection

7. Ensure all modules are detected.

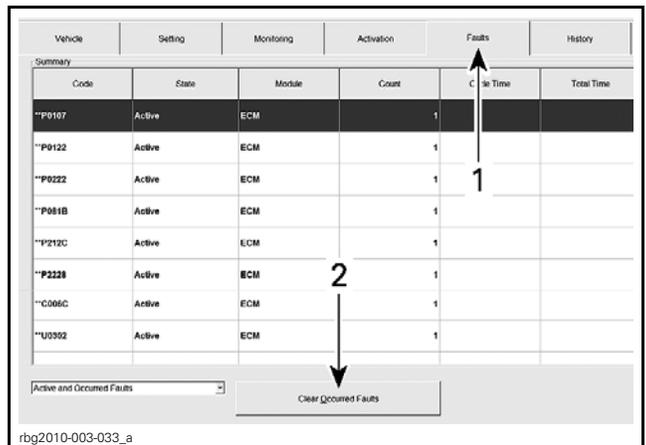
SPYDER RT MODEL	QUANTITY OF MODULES
SM5	6
SE5	7

8. In B.U.D.S., click on Read Data button.



READ DATA BUTTON

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



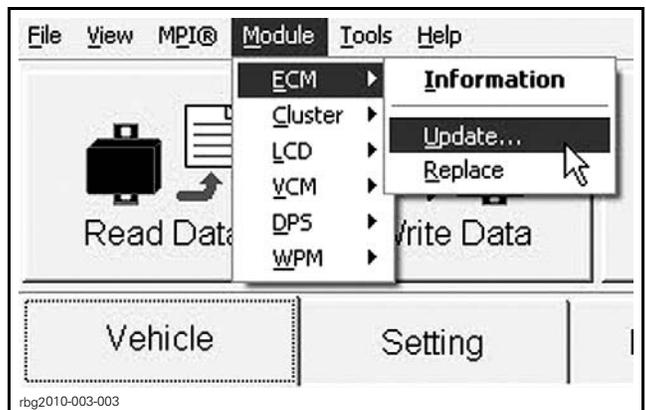
1. Select the Faults page tab
2. Click on the Clear Occurred Faults button

Modules Software Update

ECM Update

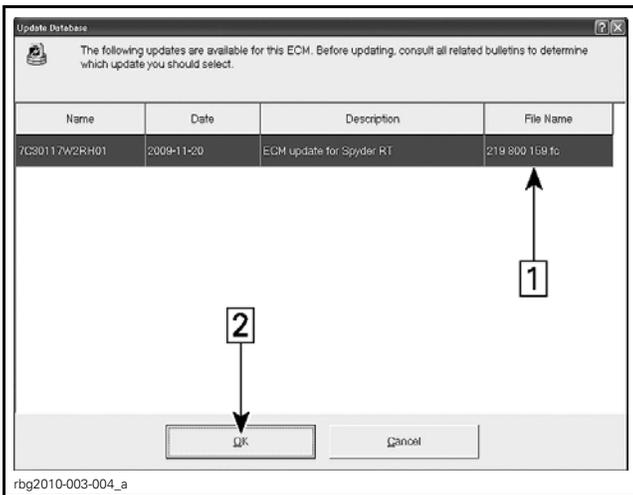
1. Click on **Module** drop down list and select **ECM**, then **Update**.

NOTE: If **Update** is greyed out (not accessible), the most recent software version may already be installed. Proceed with following module update.



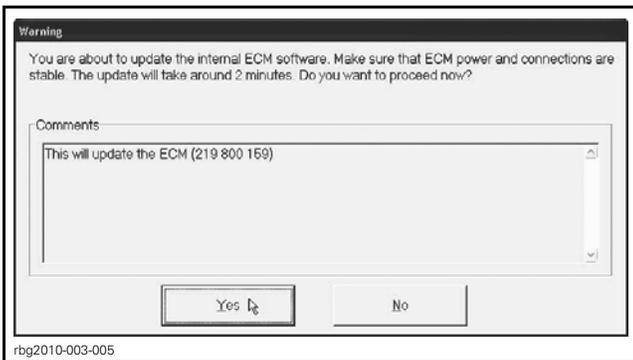
MODULE, ECM, UPDATE

2. Select the "File Name" 219 800 159.fc then click the "OK" button.



Step 1: Select file number 219 800 159.fc
 Step 2: Click OK

3. When the following message appears, click the "Yes" button to initiate the update.



CLICK ON YES BUTTON

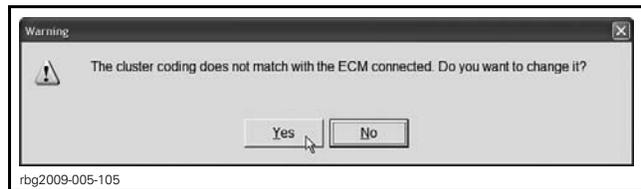
NOTICE While the software is being updated, an hour glass will appear on the computer. The computer screen may also blank out. DO NOT TOUCH ANYTHING until the following message appears. Then, click the "OK" button.



CLICK ON OK BUTTON

IMPORTANT: If a problem updating the ECM is encountered, please contact your dealer technical support before replacing it.

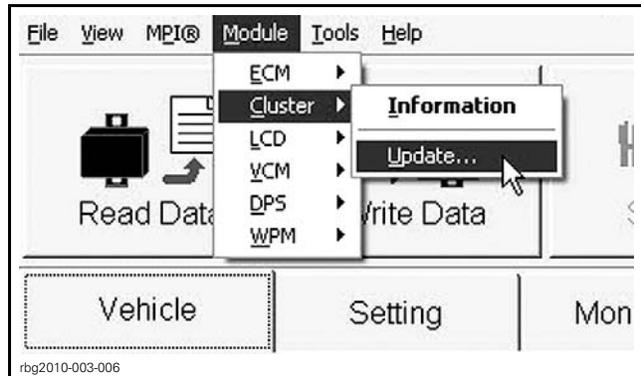
4. When the update is completed, B.U.D.S. will automatically read data (all modules), then the following message will appear. Click the "Yes" button.



CLICK ON YES BUTTON

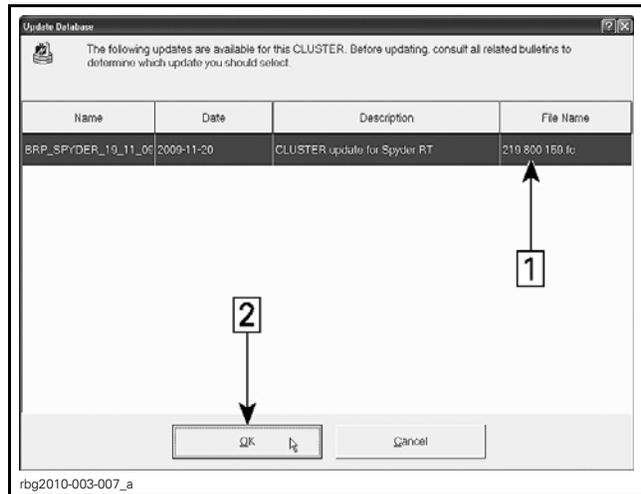
Cluster Update

1. Click on **Module** drop down list and select **Cluster**, then **Update**.



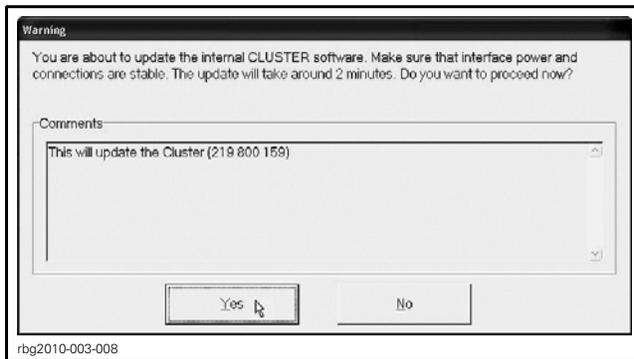
MODULE, CLUSTER, UPDATE

2. Select the "File Name" 219 800 159.fc then click the "OK" button.



Step 1: Select file number 219 800 159.fc
 Step 2: Click OK

3. When the following message appears, click the "Yes" button to initiate the update.



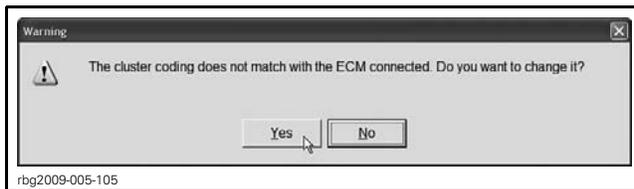
rbg2010-003-008
CLICK ON YES BUTTON

NOTICE While the software is being updated, an hour glass will appear on the computer. The computer screen may also blank out. DO NOT TOUCH ANYTHING until the following message appears. Then, click the "OK" button.



rbg2010-003-009
CLICK ON OK BUTTON

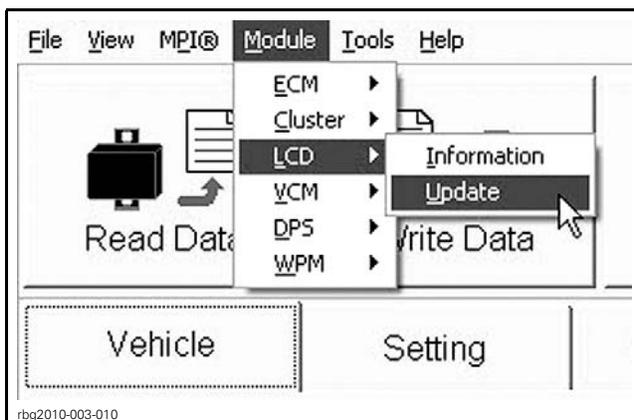
4. When the update is completed, B.U.D.S. will automatically read data (all modules), then the following message will appear. Click the "Yes" button.



rbg2009-005-105
CLICK ON YES BUTTON

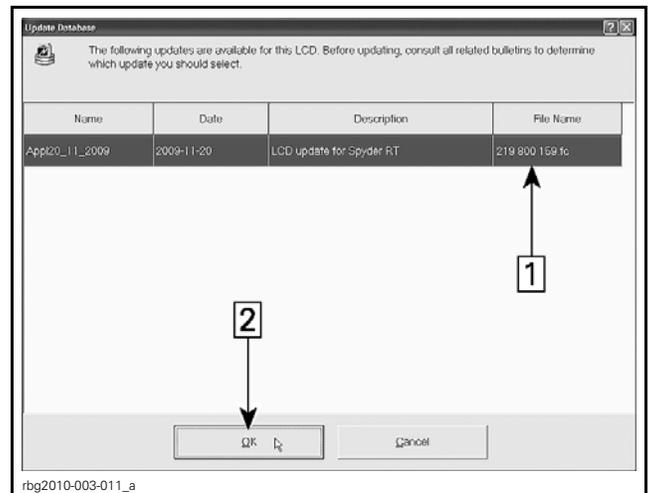
LCD Update

1. Click on **Module** drop down list and select **LCD**, then **Update**.



rbg2010-003-010

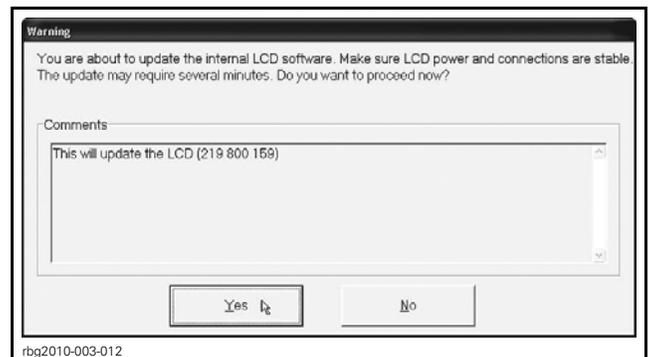
2. Select the "File Name" **219 800 159.fc** then click the "OK" button.



Step 1: Select file number 219 800 159.fc
Step 2: Click OK

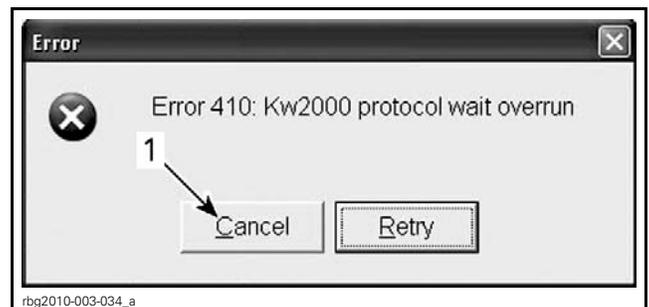
3. When the following message appears, click the "Yes" button to initiate the update.

NOTE: IMPORTANT: The LCD software may take up to 14 minutes to update.



rbg2010-003-012
CLICK ON YES BUTTON

NOTICE While the software is being updated, an hour glass will appear on the computer. The computer screen may also blank out and an error code may appear. If this occurs, select **CANCEL** and proceed with next step.



rbg2010-003-034_a
1. Click Cancel

NOTICE If update is successful, the following message will appear. Click "OK" button.

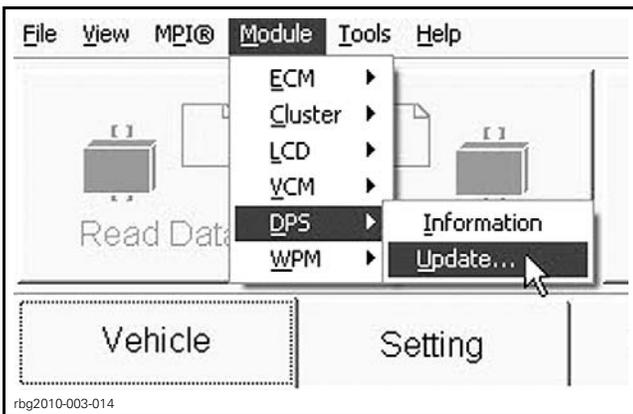


CLICK ON OK BUTTON

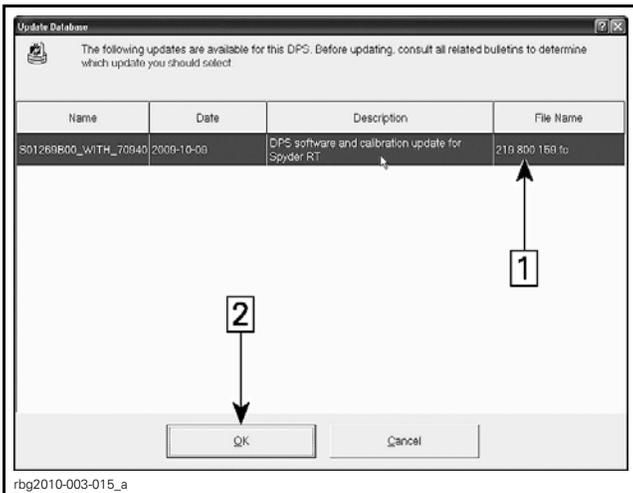
- When the update is completed, B.U.D.S. will automatically read data (all modules).

DPS Update

- Click on **Module** drop down list and select **DPS**, then **Update**.



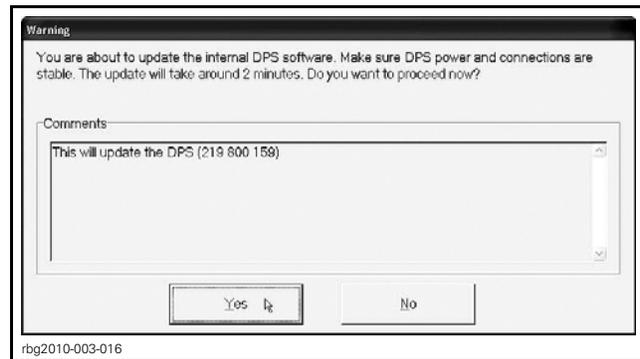
- Select the "File Name" **219 800 159.fc** then click the "OK" button.



Step 1: Select file number 219 800 159.fc

Step 2: Click OK

- When the following message appears, click the "Yes" button to initiate the update.



CLICK ON YES BUTTON

NOTICE While the software is being updated, an hour glass will appear on the computer. The computer screen may also blank out. **DO NOT TOUCH ANYTHING** until the following message appears. Then, click the "OK" button.



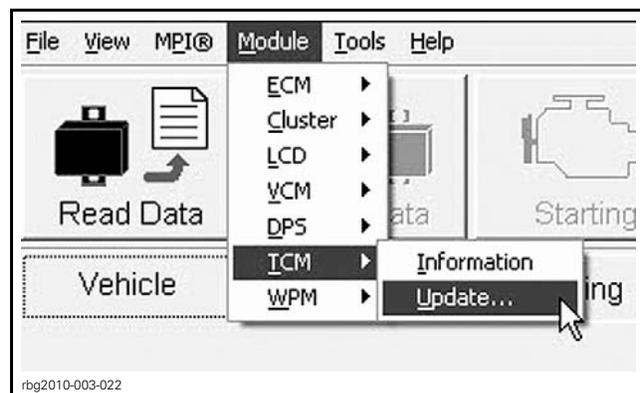
CLICK ON OK BUTTON

- When the update is completed, B.U.D.S. will automatically read data (all modules).

TCM Update

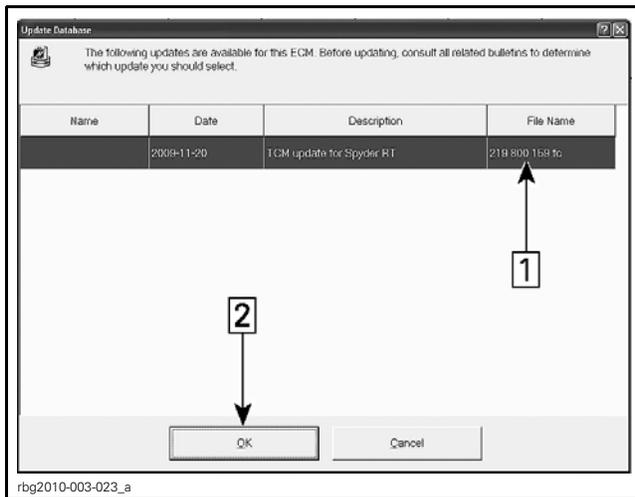
SE5 Model Only

- Click on **Module** drop down list and select **TCM**, then **Update**.



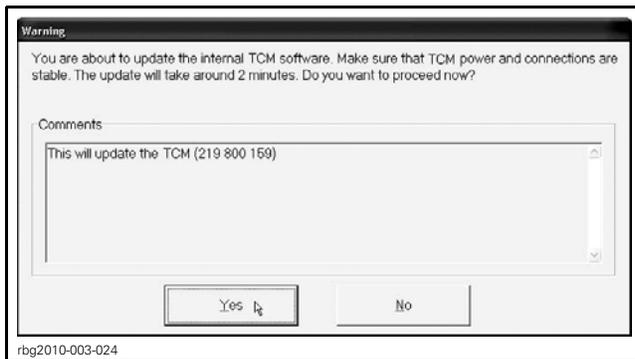
MODULE, TCM, UPDATE

- Select the "File Name" **219 800 159.fc** then click the "OK" button.



Step 1: Select file number 219 800 159.fc
Step 2: Click OK

3. When the following message appears, click the "Yes" button to initiate the update.



CLICK ON YES BUTTON

NOTICE While the software is being updated, an hour glass will appear on the computer. The computer screen may also blank out. DO NOT TOUCH ANYTHING until the following message appears. Then, click the "OK" button.

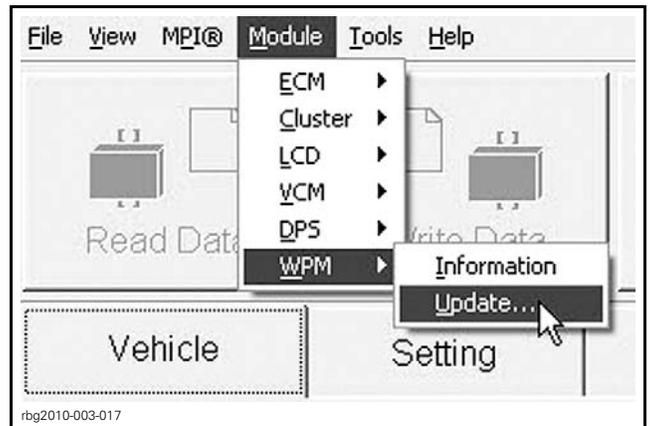


CLICK ON OK BUTTON

4. When the update is completed, B.U.D.S. will automatically read data (all modules).

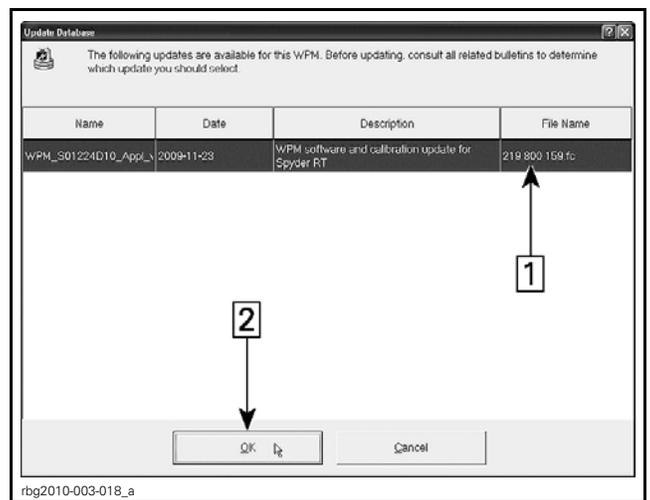
WPM Update

1. Click on **Module** drop down list and select **WPM**, then **Update**.



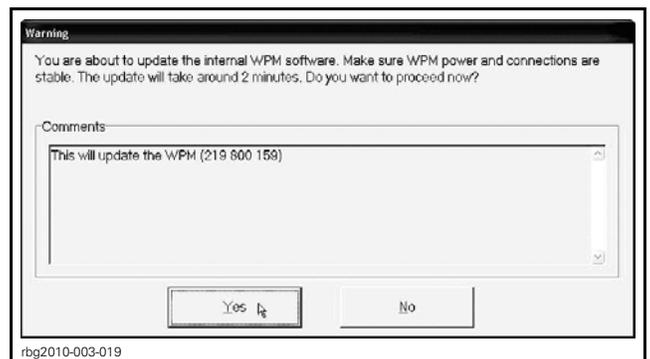
MODULE, WPM, UPDATE

2. Select the "File Name" 219 800 159.fc then click the "OK" button.



Step 1: Select file number 219 800 159.fc
Step 2: Click OK

3. When the following message appears, click the "Yes" button to initiate the update.



CLICK ON YES BUTTON

NOTICE While the software is being updated, an hour glass will appear on the computer. The computer screen may also blank out. DO NOT TOUCH ANYTHING until the following message appears. Then, click the "OK" button.

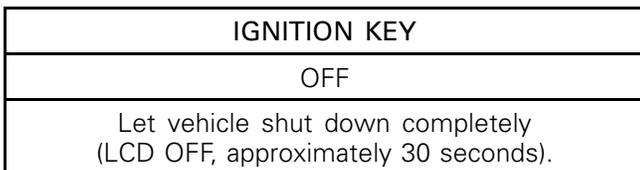


CLICK ON OK BUTTON

4. When the update is completed, B.U.D.S. will automatically read data (all modules).

Software Update Validation

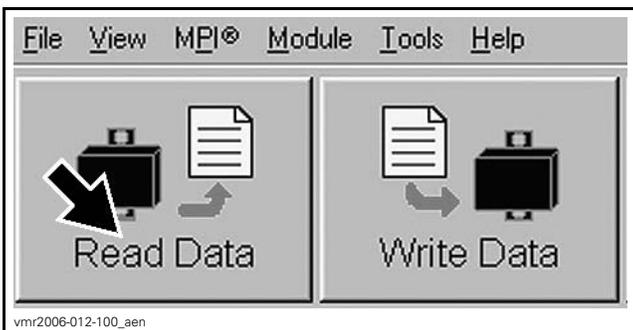
1. Turn ignition key to OFF.



2. Turn ignition switch to ON.

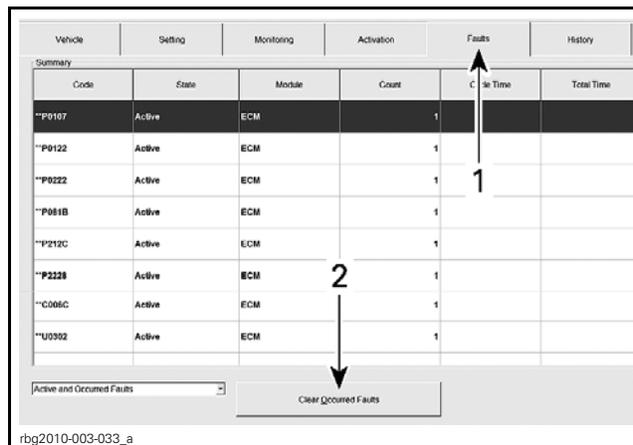


3. In B.U.D.S., click on the **Read Data** button.



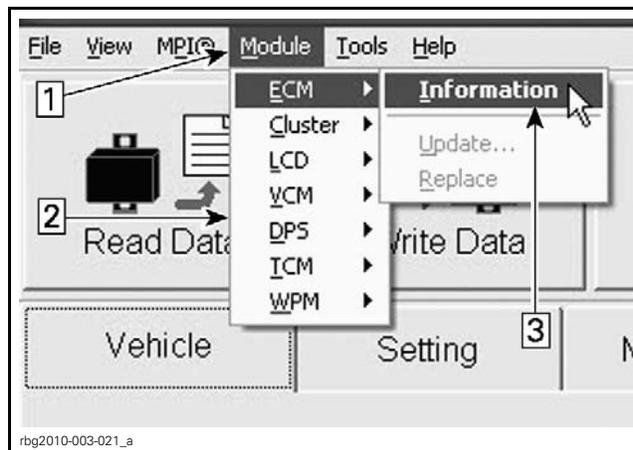
READ DATA BUTTON

4. Clear any faults that may have occurred during the software update using B.U.D.S. Refer to appropriate *SHOP MANUAL*.



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

5. Ensure the software updates have been successfully carried out by selecting the **Module** drop down list, choosing a module (such as the **ECM**), then selecting the **Information** function.



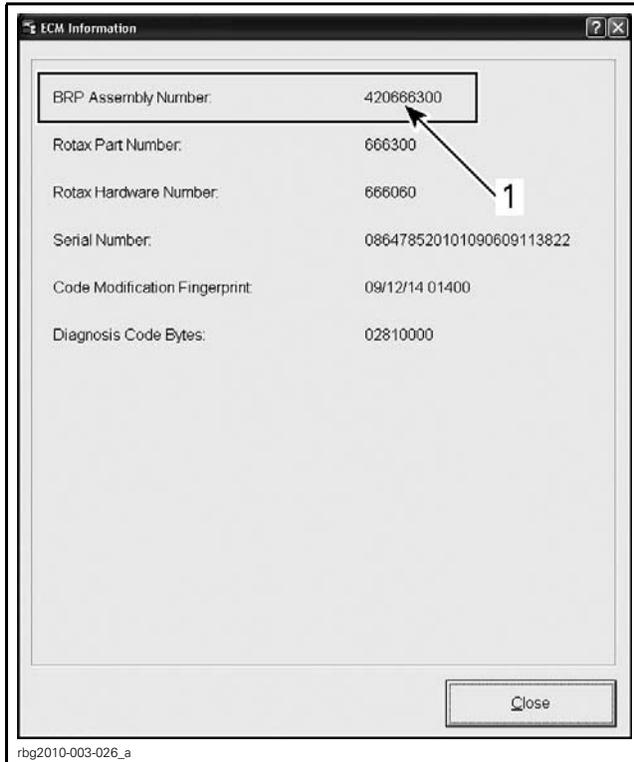
- Step 1: Select the **Module** drop down menu
- Step 2: Choose a module
- Step 3: Select the **Information** function

NOTE: Note: if any of the modules are missing from the drop down menu, shut the vehicle down and allow it to power down completely prior to validating the software updates. If the missing module(s) do not appear on power up, shut down and restart BUDS. If the missing module(s) still do not appear, keep the vehicle and BUDS live and wait for the update to fully initialize and for the module to appear in the drop down list. This may take 15 minutes. If after 15 minutes the module does not appear, contact your service representative.

6. Repeat the previous step for each module ensuring the applicable module information concurs with the appropriate illustration that follows.

NOTE: If the proper number is not recorded, repeat the update procedure for that module.

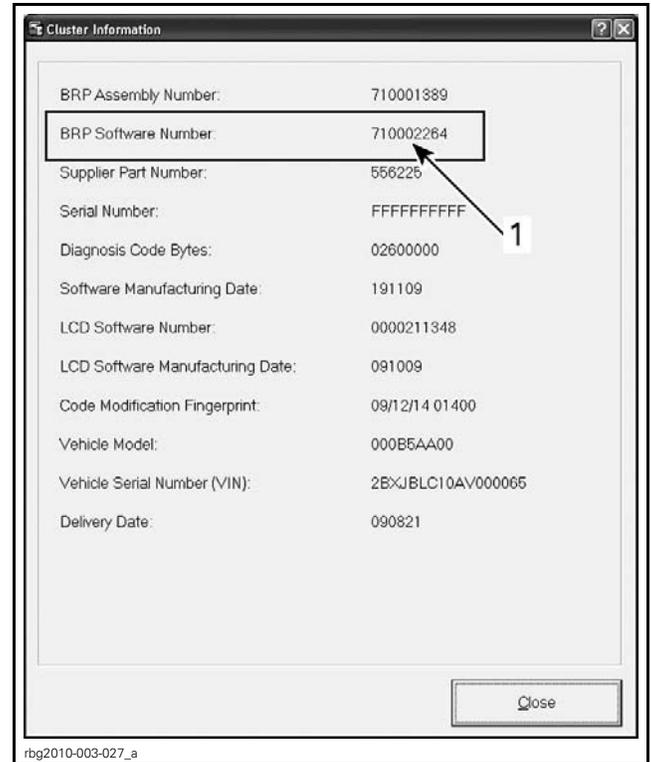
ECM Validation



TYPICAL — SM5 ILLUSTRATED
1. Validate ECM BRP Assembly Number

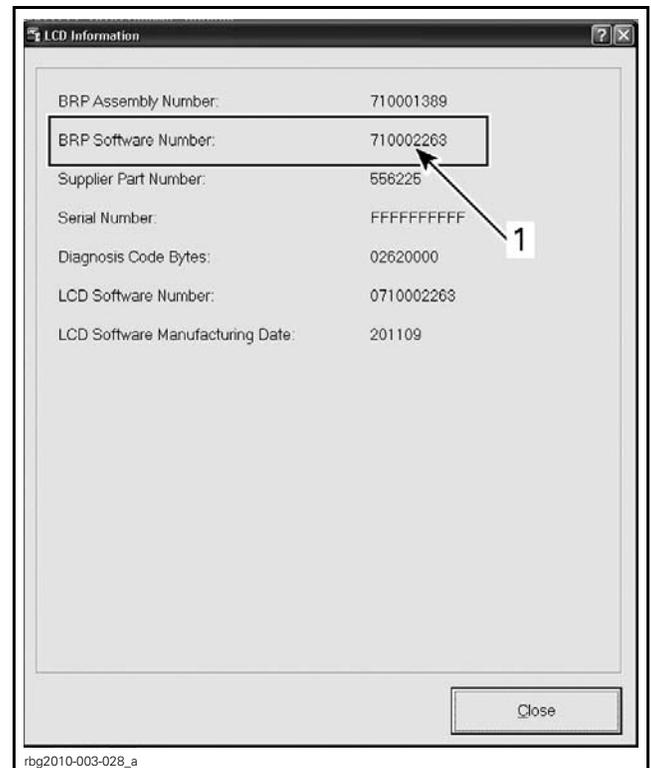
ECM MODULE	
BRP assembly number	SE5 models: 420666305
	SM5 models: 420666300

Cluster Software Validation



1. Validate Cluster BRP Software Number 710002264

LCD Software Validation



1. Validate LCD BRP Software Number

➡ ~~710002208~~ 710002263 ⬅

DPS Software Validation

rbg2010-003-029_a

1. Validate DPS Supplier Software Number S01269B00

WPM Software Validation

rbg2010-003-030_a

1. Validate WPM Supplier Software Number S01224D10

TCM Software Validation

rbg2010-003-031_a

1. Validate TCM Supplier Software Number S01212B14

8. Exit B.U.D.S.
9. Turn ignition key OFF.
10. Disconnect power pack and computer from vehicle.

Vehicle Test Run

1. Start the vehicle and ensure the following are operating properly:
 - Engine
 - Cluster (including LCD)
 - Park brake
 - DPS (dynamic power steering)
 - Transmission shifting (SE5)
 - Windshield.

WARRANTY

2010-0003

Submit a warranty claim using the following information:

CAMPAIGN NUMBER	2010-0003
Claim type	Campaign claim
Action	Repair
Flat Rate Time	0.7 hour

SERIAL NUMBERS LISTING OF INVOLVED VEHICLES

Model: A4AA

From 000001 to 000007

Model: A4AD

From 000001 to 000003

Model: B5AA

From 000008 to 000032

From 000065 to 000161

From 000163 to 000265

From 000267 to 000276

From 000278 to 000310

From 000312 to 000317

From 000319 to 000323

From 000325 to 000328

From 000330 to 000363

From 000365 to 000368

From 000370 to 000377

000379

000381

From 000383 to 000389

From 000391 to 000392

Model: B5AB

From 000033 to 000034

From 000036 to 000064

Model: B5AG

From 000001 to 000002

From 000004 to 000006

From 000008 to 000013

From 000015 to 000023

From 000025 to 000032

From 000034 to 000049

From 000051 to 000059