



# SERVICE CAMPAIGN BULLETIN

SUBJECT:			No: <b>SC-13-004</b>
<b>ECM REPROGRAMMING FOR MIL ILLUMINATES, DTC P1241 OR P061A STORED IN ECM</b>			DATE: <b>December, 2013</b>
			MODEL: <b>See below</b>
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

## PURPOSE

For some vehicles, normal Electric Throttle Valve (ETV) fluctuations may cause actual torque to exceed Permitted Torque at low engine speeds. An improper Permitted Torque threshold may then cause false MIL illumination. A software update optimizes the Permitted Torque threshold value to minimize false MIL illumination.

This Service Campaign Bulletin provides field fix procedures for reprogramming the ECM with new software to address false MIL illumination with torque monitor P1241 (2008–2010 models) or P061A (2011–2014 models) stored in memory.

## AFFECTED VEHICLES

Vehicles with 4B11 turbocharged engines

- 2008–2014 Lancer Evolution equipped with 5 M/T built before September 23, 2013
- 2008–2014 Lancer Evolution equipped with TC–SST built before September 25, 2013
- 2009–2014 Lancer RAE built before September 25, 2013
- 2009–2011 Lancer Sportback RAE

## REQUIRED OPERATIONS

### OVERVIEW

1. Confirm your MUT–III is updated with the latest reprogramming database.
2. Reprogram the ECM with the new software. See the ECM Reprogramming Chart for new software information.

**IMPORTANT: Before a vehicle is reprogrammed, you must always FIRST explain to the customer what the reprogram will do and get customer permission to reprogram the ECM.** If an affected vehicle has a Malfunction Indicator Lamp (MIL) illuminated before reprogramming and DTCs other than described above are listed in the ECM memory, diagnose and repair those DTCs per the service manual before reprogramming. **DO NOT** reprogram the ECM until the reason(s) for other DTCs being set is corrected.

### EQUIPMENT

**The following equipment is needed to reprogram the ECM.**

- VCI (Vehicle Communication Interface) – MB991824 **or** VCI LITE – MB992744
- Laptop computer with A/C power adaptor – 520924, or MIT547708.
- MUT–III main harness 'A' (blue connector at the DLC end) – MB991910.
- USB 2.0 cable – MB991827.
- “Engine Compartment/Control Module” label – p/n MSSF024G00.
- MEDIC–3 update at M235 or higher.
- For Standalone MUT–III units, MUT–III Reprogramming Database N13112 or higher.

Continued

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(4070)

The information contained in this bulletin is subject to change. For the latest version of this document, go to the Mitsubishi Dealer Link, MEDIC, or the Mitsubishi Service Information website ([www.mitsubishitechinfo.com](http://www.mitsubishitechinfo.com)).

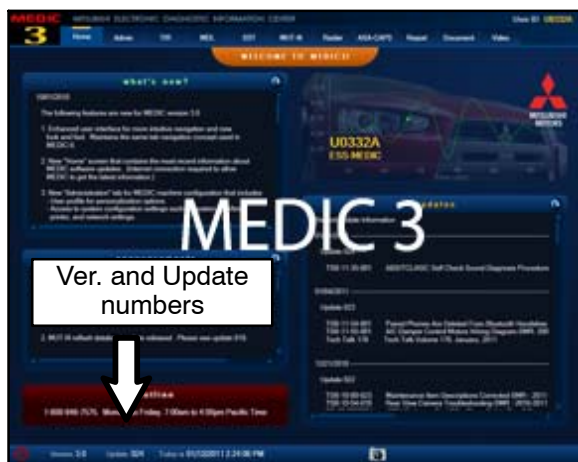
**ECM REPROGRAMMING CHART**

MODEL	CURRENT PART NO.	DATA NO.	DISPLAY ON MUT-III AFTER REPROGRAMMING	
			New Part No.	New S/W Part #
08 Lancer Evolution 4B11-TC MT	1860A979	1862B815	1860A979	1860A97909
08 Lancer Evolution 4B11-TC TC-SST	1860A980	1862B816	1860A980	1860A98010
09 Lancer Evolution 4B11-TC MT	1860B180	1862B817	1860B180	1860B18005
09 Lancer Evolution 4B11-TC TC-SST	1860B181	1862B818	1860B181	1860B18105
09 Lancer/Lancer Sportback 4B11-TC TC-SST	1860B106	1862B819	1860B106	1860B10605
10 Lancer Evolution 4B11-TC MT	1860B306	1860B820	1860B306	1860B30603
10 Lancer Evolution 4B11-TC TC-SST	1860B307	1860B821	1860B307	1860B30703
10 Lancer/Lancer Sportback 4B11-TC TC-SST	1860B308	1862B822	1860B308	1860B30803
11 Lancer Evolution 4B11-TC MT	1860B474	1862B823	1860B474	1860B47404
11 Lancer Evolution 4B11-TC TC-SST	1860B475	1862B824	1860B475	1860B47504
11 Lancer/Lancer Sportback 4B11-TC TC-SST	1860B485	1862B825	1860B485	1860B48504
12 Lancer Evolution 4B11-TC MT	1860B788	1862B826	1860B788	1860B78801
12 Lancer Evolution 4B11-TC TC-SST	1860B789	1862B827	1860B789	1860B78901
12 Lancer 4B11-TC TC-SST	1860B790	1862B828	1860B790	1860B79001
13-14 Lancer Evolution 4B11-TC MT	1860C045	1862B829	1860C045	1860C04501
13-14 Lancer Evolution 4B11-TC TC-SST	1860C046	1862B830	1860C046	1860C04601
13-14 Lancer 4B11-TC TC-SST	1860C044	1862B831	1860C044	1860C04401

## REPAIR PROCEDURE

**NOTE:** Reprogramming the ECM with the latest database (i.e.N13112) includes all past and current reprogramming for TSBs of affected vehicles. You do not need to reprogram the ECM for each TSB.

1. Check the underside of the hood to verify there is no “Authorized Modification” label (see page 12 for example) previously installed to indicate this reprogramming has already been completed. If a label is present and the “ROM ID #” on the label matches the “New S/W Part No.” in the table above, the ECM is at the latest level and reprogramming is not necessary. Conduct normal diagnosis for the subject condition.

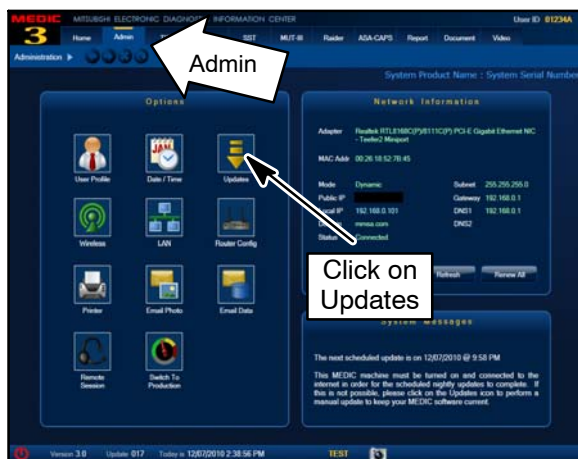


**For MEDIC 3 users only: (MUT-III users go to step 5)**

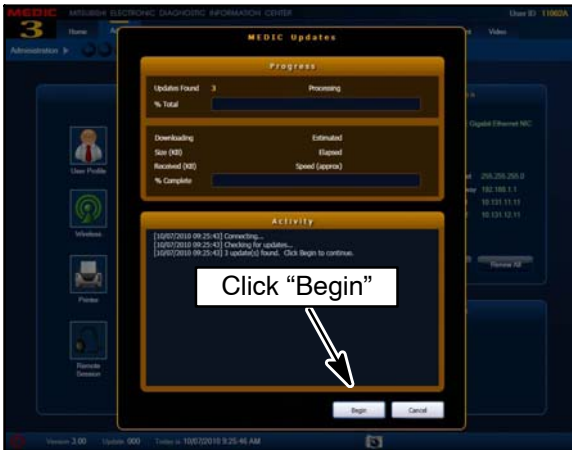
2. Verify the MEDIC 3 is at version 3.1 and at update 235 or higher.

If your **MEDIC 3 update is at least 235**, continue with the Reprogramming Procedure on page 4.

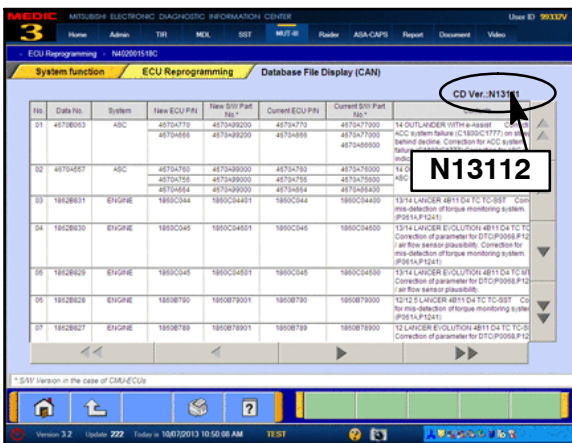
If your **MEDIC 3 update is below 235**, update your MEDIC 3 as follows.



3. Select the MEDIC 3 Admin tab and click on “Updates.”



4. IF the MEDIC update screen advises updates are available, click the “Begin” button. After all updates are complete, **GO TO THE REPROGRAMMING PROCEDURE ON PAGE 5.**



5. **STANDALONE MUT-III SCAN TOOL VIEWER (STV) ONLY: (MEDIC 3 USERS GO TO THE REPROGRAMMING PROCEDURE ON PAGE 5).** Verify that your MUT-III has the most current version of the reprogramming database:

a. From the MUT-III Main Page:

- Select “Special Function”
- Select “ECU Reprogramming”
- Select :Database File Display–CAN”
- Confirm the database number displayed at the top right of the chart is **N13112 or higher**

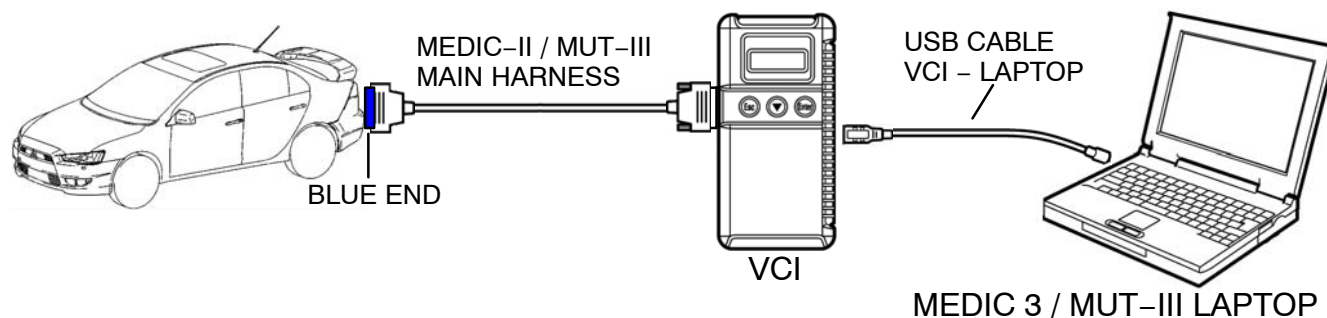
- (1) If the database number displayed on your MUT-III is **N13112** or greater, continue to the Reprogramming Procedure on page 5.
- (2) If the reprogramming database number displayed on your MUT-III is lower than **N13112**, locate the reprogramming CD containing database N13112 and follow the instructions on the CD label to update your MUT-III.

## REPROGRAMMING PROCEDURE

**CONNECT A BATTERY CHARGER TO THE VEHICLE'S BATTERY DURING THE REPROGRAMMING PROCEDURE. DO NOT ALLOW THE BATTERY CHARGER TO TIME OUT. BATTERY VOLTAGE (AS MEASURED AT THE BATTERY POSTS WITHOUT ELECTRICAL LOAD) MUST BE KEPT AT 12.4V OR HIGHER IN ORDER TO REPROGRAM THE ECM. MEASURE THE BATTERY VOLTAGE AND CHARGE AS NECESSARY.**

**NOTE: VCI Stand-alone reprogramming is not available for this procedure. The laptop and the VCI must remain connected for the entire procedure.**

Connect the equipment as follows:

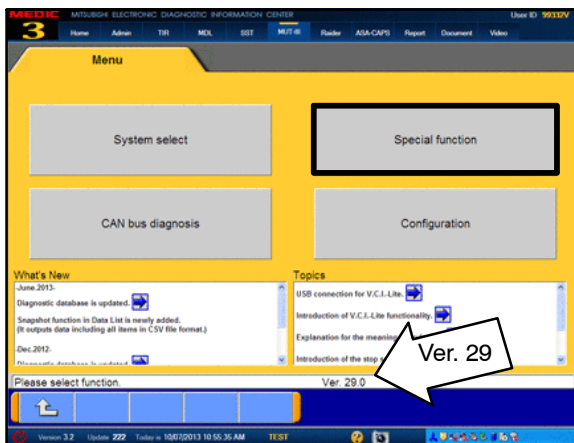


- Turn the laptop computer on. If you're running on battery power and the charge indicator in the lower right hand corner of the screen does not show a full charge, it is recommended that either the laptop battery be charged prior to beginning, or that reprogramming be completed with the A/C power adaptor connected to the laptop.
- Connect the USB cable to the VCI (or VCI-LITE).
- When the laptop displays the MUT-III main screen, connect the USB cable to the laptop.
- Connect the MUT-III main harness (blue DLC connector) to the VCI.
- Connect the blue connector of the MUT-III main harness to the vehicle's data link connector.
- Turn the VCI power switch ON. Verify the indicator lamp in the upper right corner of the screen is green.

### **⚠ CAUTION**

**DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS. INTERRUPTION DURING THE REPROGRAMMING PROCESS COULD CAUSE THE CONTROL UNIT TO LOSE DATA OR PREVENT FUTURE REPROGRAMMING. IF THE USB CABLE IS DISCONNECTED DURING THIS PROCEDURE, A WARNING MESSAGE WILL DISPLAY.**

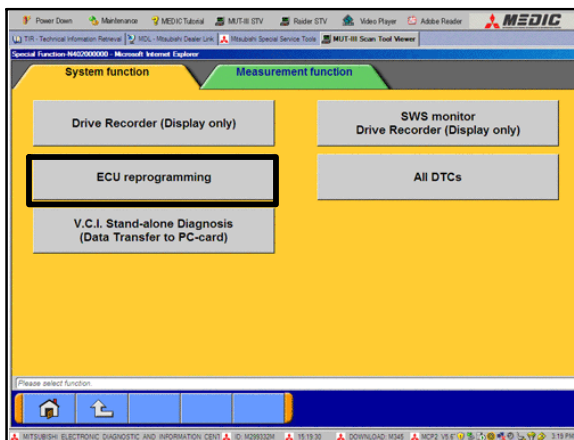
## ECU reprogramming



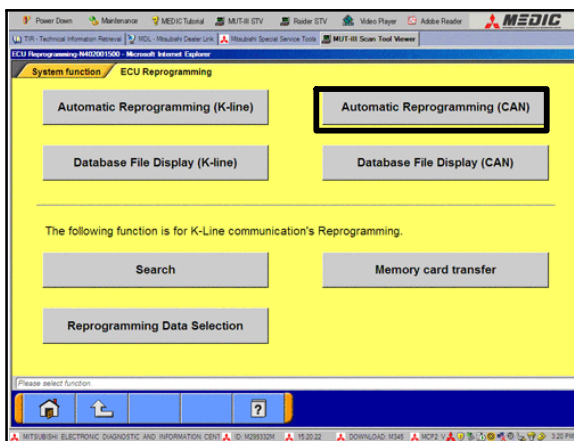
1. Conduct the following steps to reprogram the ECM.
  - a. Turn the ignition switch to the ON position. If the vehicle is equipped with the F.A.S.T. System, the transmitter must remain in the vehicle for the entire procedure.

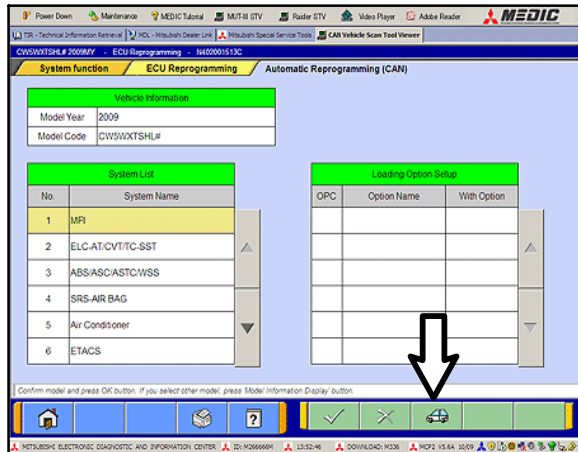
For vehicles equipped with OSS, press the START/STOP button twice without applying the brake. The LED in the button should be green.

- b. If using MEDIC 3, from the main page, click the MUT-III STV icon at the top center of the screen.
- c. From the MUT-III Main Menu, select "Special Function."
- d. Select "ECU Reprogramming."

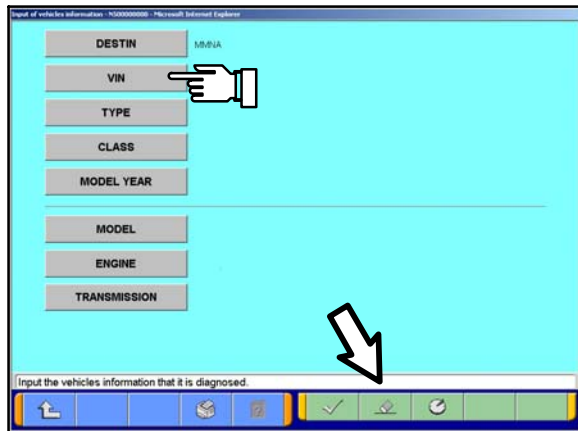


- e. Select "Automatic Reprogramming (CAN)."



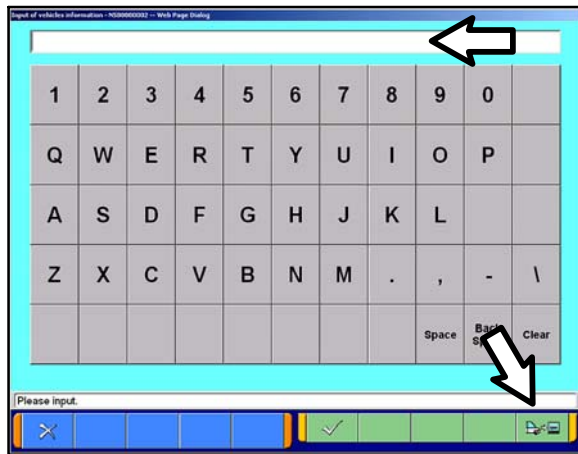


f. Click on the car icon at the bottom of the page.



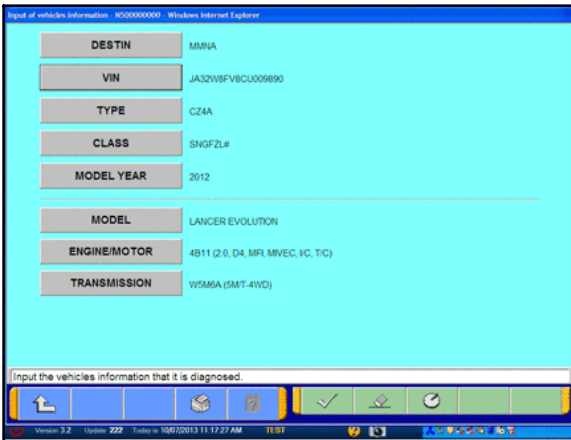
g. If the VIN or vehicle description displayed does not match the vehicle you are working on, click on the eraser icon at the bottom of the page to erase vehicle data.

Then click on the VIN button.

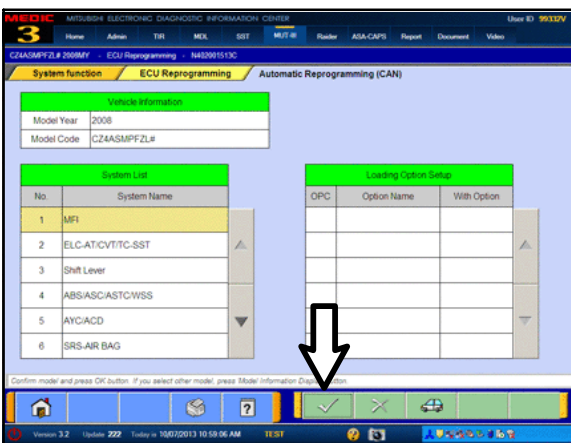


h. Click the icon in the lower RH corner of the screen to have MUT-III automatically read the VIN. If a message appears saying the VIN cannot be input automatically, manually type the 17 digit VIN into the VIN field at the top of the page.

Make sure the VIN is correct and click on the check mark.

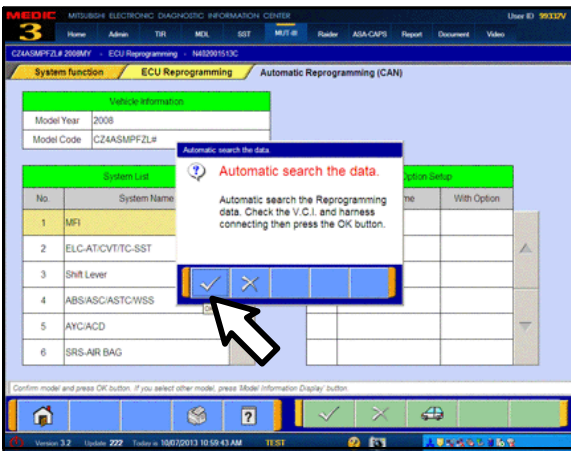


i. Confirm all data matches the vehicle and click the check mark at the bottom of the page.



j. MFI should be highlighted as the default. If not, click on it to highlight it.

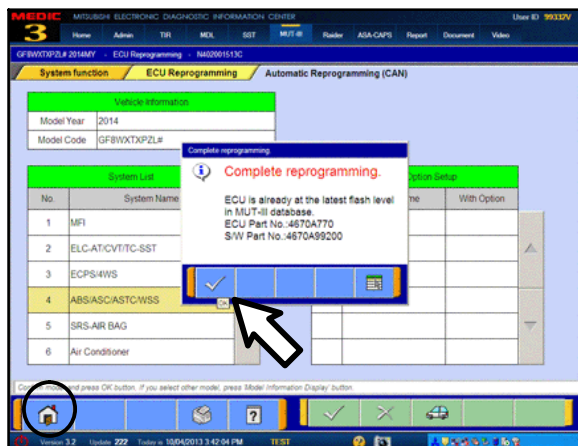
Click the check mark at the bottom of the page.



k. A message will advise the system will "Automatic search the data."

Click the check mark to continue.





## ECM TO LATEST VERSION

If a “Complete Reprogramming” message **does not** appear, continue with step 1.

If the message seen at left is displayed, the ECM software is already at the most current level. Do not continue with the reprogramming procedure. This Service Campaign Bulletin does not apply.

Click the check mark to clear the window, then click the Home icon at the lower left corner of the screen to return to the System Select main page.

Turn the ignition switch to the OFF position and disconnect the MUT-III. Turn off and disconnect the battery charger. Conduct normal diagnosis per the service manual.

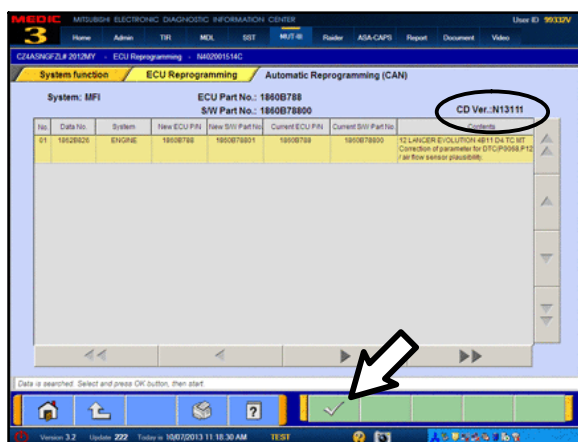
- l. The Automatic Reprogramming (CAN) database screen will display.

Confirm the database number at the top right of the table is **N13112** or higher.

If more than one row is displayed in the table, refer to the ECM Reprogramming Chart on Page 2 to select the correct row.

Click on the row to highlight it.

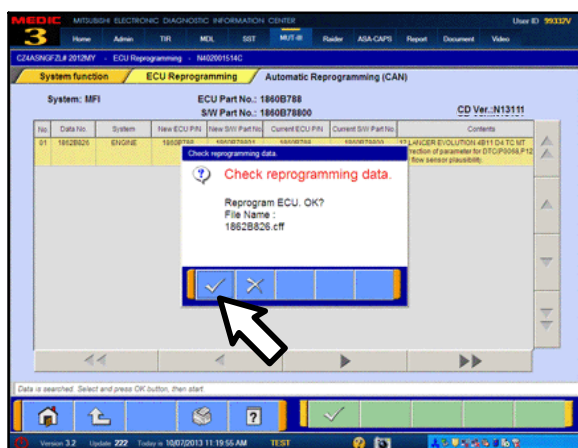
Click the check mark to continue.

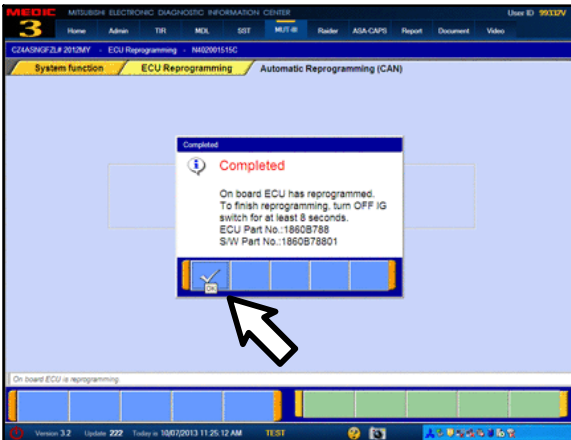


- m. A message will ask you to “Check reprogramming data.”

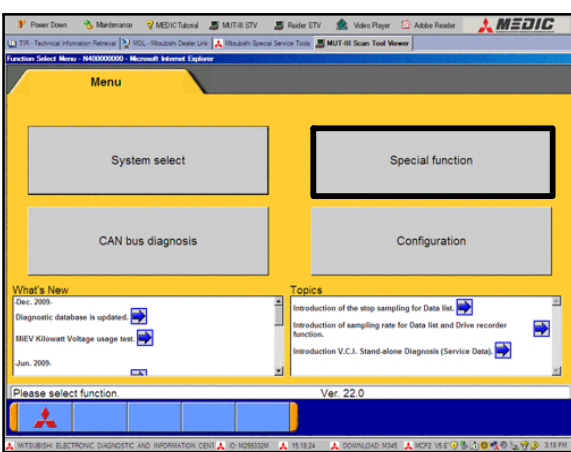
- n. Click the check mark to begin reprogramming.

Reprogramming will take up to 5 minutes to complete.

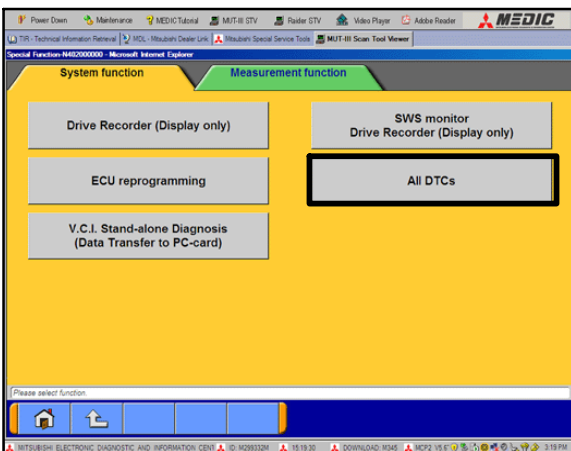




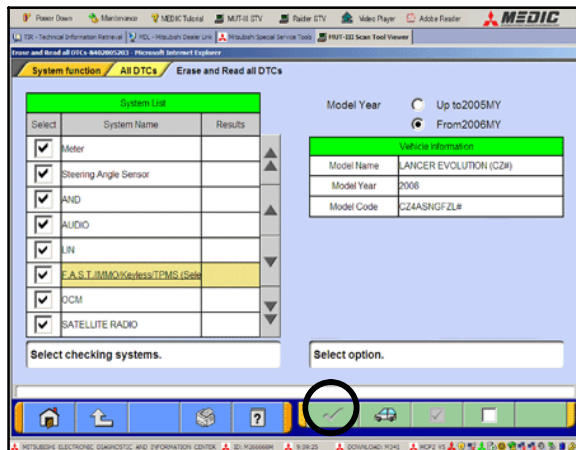
- o. This message will display when ECM reprogramming is successfully completed. Confirm the “New S/W P/N” displayed matches the table at the beginning of this Service Campaign Bulletin. Then click the check mark to clear the message.
2. Click the home icon at the lower left corner of the page to return to the MUT-III main page.



3. Using MUT-III, check and erase ALL DTCs from all systems as follows.
  - a. Select “Special Function.”



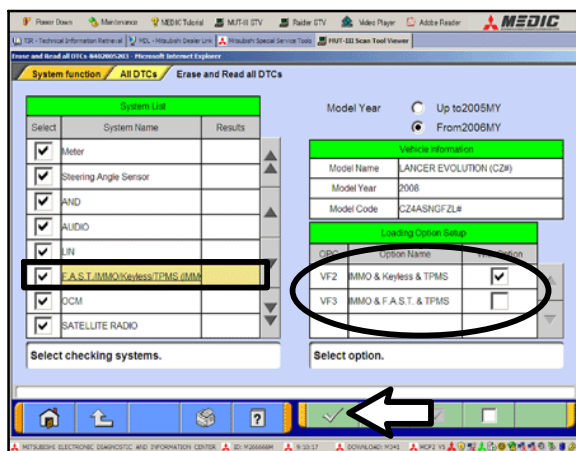
- b. Select “All DTCs,” then select “ERASE AND READ ALL DTCS.”



c. The “System List” on the left side of the screen will have all selections checked. Do not change these selections. DTCs may be set if the vehicle is equipped with options that are unchecked.

d. If the check mark at the bottom of the screen is highlighted, click it and proceed to step 4. If not, proceed to step e.

**NOTE:** A “Loading Options Setup” list on the RH side of the screen must be completed for Lancer based models. For those models, the check mark at the bottom of the page is not highlighted (inactive) at this time. It will activate when step e is completed.

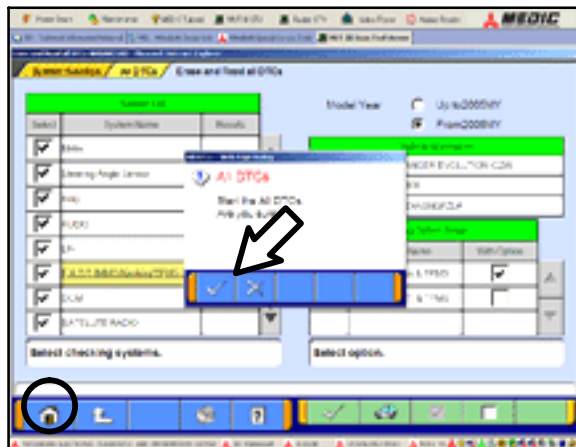


e. In the left column, scroll to and click FAST/IMMOB/KEYLESS/TPMS. In the right column, check the correct option code (VF#) from the Loading Options Setup list. This will activate the check mark at the bottom of the page.

- Vehicles with regular keyless entry (buttons on a multi-function key), select VF2.
- Vehicles with F.A.S.T. Key, select VF3.

f. In the left column, scroll to and select METER. A window will display. Check the correct display type for the vehicle.

Click the check mark to continue.





4. A window will pop up asking you to confirm DTC erasing. Click the check mark for DTC erasing and reading to begin.

5. When DTC erasing is completed, a window will display.
- If DTCs return after reprogramming, click the check mark to clear the window. Diagnose and repair per the Service Manual.
  - If DTCs do not return, click the check mark to clear the window, then click the home icon at the lower left of the screen to return to the main menu.

6. Turn off the ignition switch and disconnect the MUT-III. Turn off and disconnect the battery charger.

7. Using a ball-point pen, enter the appropriate Engine Control Module (ECM) part number, Software Part Number (ROM ID#), this Service Campaign Bulletin number (SC-13-004), your dealer code, and the current date on the Engine Compartment / Control Module Label (p/n MSSF024G00). The Vendor Code is not applicable. The label is available from your facing PDC.

	<b>AUTHORIZED MODIFICATIONS</b>	These Modifications Have Been Approved as Appropriate by EPA and MMS	<del>                     AUTHORIZED MODIFICATIONS   </del>
<b>THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:</b>			
PART NUMBER 1860C045	VENDOR CODE N/A	M ID # ENG 1860C04501	<del>P/N</del>
TSB ENG SC-13-004		A/T	<del>Vndr Code</del>
A/T <i>Engine Compartment Label</i>	DEALER CODE 99332	DATE 12/19/13	<del>TSB</del>
			<del>Dir Code</del>  <del>Date</del> <i>Control Module Label</i>

**The Control Module Label is NOT used for this reflash. It should be discarded.**

8. Carefully remove all dirt and oil from a vacant area near the VECI label on the underside of the hood and affix the Engine Compartment Label (LH side, above) to that area.
9. Test drive the vehicle to confirm proper operation and the MIL does not illuminate. Diagnose and correct any DTCs that return.

### PARTS INFORMATION

Use only the Genuine Mitsubishi Parts listed below.

Description	Model	Part Number
Label, Engine Compartment	All	MSSF024G00

## WARRANTY / SERVICE CAMPAIGN CLAIM INFORMATION

Enter all claims as claim type 'C' – Recall/Campaign Claims

Please follow the campaign instructions when entering each claim in order to select the applicable operation code that correctly match up with the work that was actually performed. A claim example to follow is provided below.

Certain 2008 – 2014 MY – Lancer Evolution, Ralliart, and Ralliart Sportback Vehicles

Required Operation to be performed	Labor Operation	Total Labor Time
1. Reprogram the ECM	C1311W01	.3 hrs.

Claim Header Section: 2008–2014MY Lancer Evolution, Ralliart and Ralliart Sportback ECM Reprogramming

**Service Warranty Warranty Claim**

Claim Entry Vehicle Information

**Campaign Information**

Campaign Operation No: C1311W\_\_

Miles/Km: 45000

VIN: JA.....

Service Technician: Emp No

Service Advisor

Spec Value \*

Duplicate Recall \*

Dealer: 99320 Ref No: VIN: Claim No: Adj: Claim Status: Incomplete Model and Year:

Save & Continue Main Menu

Enter in the first 6 characters of this campaign labor operation: C1311W\_\_.

This campaign is for the reprogramming the ECM on certain 2008–2014MY Lancer Evolution, Ralliart and Ralliart Sportback vehicle models only.

Check the Open Recall area of the Superscreen each time to be certain of a vehicle's eligibility. Only VINs showing C1311W as open are involved in this campaign.

After entering the required customer data, vehicle information, Campaign Operation number and hitting “Save and Continue”, the “Repair Performed” fields will be automatically filled in as there is only one possible repair scenario for this campaign.

CAMPAIGN INFORMATION			
Campaign Operation No	C1311W	Repair Performed	C1311W01-Reprogram ECM
Miles / KM	45000	Repair Order No	EX12345
VIN	JA3AW86VX8U743185	Repair Date In	01 / 02 / 2014
		Repair Date Out	01 / 02 / 2014
		Enter As Sublet	
		TSB	SC-13-004

**Campaign Claim Example:**

Follow these instructions for performing the required 2008–2014MY Lancer Evolution, Ralliart and Ralliart Sportback ECM reprogramming on involved vehicles.

**PARTS:**

No parts are required or allowed to be claimed for this campaign. Leave this page blank.

Step 2: Parts							
Vehicle	Labor	PWA	Review				
Add Page - Parts Information							
Vehicle Page Completed; Claim Status is Incomplete.							
Delete	Part No	Part Description	Qty	Unit Price	Part Amount	Primary	
1							
2							

**LABOR:**

The full campaign labor operation number of C1311W01 and the allowed labor time of .3 hours will be automatically entered as a result of your 'Repair Performed' selection from the “Vehicle” page.

Step 3: Labor							
Vehicle	Parts	PWA	Review				
Add Page - Labor Information							
Delete	Sublet	Labor Op	Labor Operation Description	Qty	Hours / Sublet Amt	Total Labor Hrs	Labor Amt
		C1311W01	Reprogram the ECM	1	0.3	0.3	XX.XX

**OTHER CHARGES – Only if necessary:**

Select	Labor Operation	Labor Operation Description	Amount
<input type="checkbox"/>	SHO	SPECIAL HANDLING ORDER	SHO Parts Order
<input type="checkbox"/>	RENTACAR	RENTAL CAR CHARGES	Days Reason <Select one> Rental Company Invoice Number
<input type="checkbox"/>	95300040	FREIGHT CHARGES	Freight Company Invoice Number
<input type="checkbox"/>	95200040	TOWING CHARGES	Towing Company Invoice Number



Mitsubishi Motors North America, Inc.

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www.mitsubishicars.com

**AFFECTED VEHICLES**

MODEL: 2008 – 2014 Lancer Evolution, 2009 – 2014 Lancer Ralliart, and 2009 – 2011 Lancer Sportback Ralliart

Date: January, 2014

Re: Customer Satisfaction Campaign SC-13-004

Dear Mitsubishi Owner,

Mitsubishi Motors always strives to build vehicles with the highest level of quality, plus continuously improve the level of quality with every vehicle built. We are recommending the following product improvement be performed on certain 2008 – 2014 Lancer Evolution, 2009 – 2014 Lancer Ralliart, and 2009 – 2011 Lancer Sportback Ralliart built before September 25, 2013:

**Recommended Product Improvement:**

Due to an improper Permitted Torque threshold value in the software programming of the Engine Control Module (ECM), the Malfunction Indicator Light (MIL) may falsely illuminate.

**What your dealer will do:**

Your Authorized Mitsubishi dealer will update the ECM with software programming that optimizes the - Permitted Torque threshold value to minimize false MIL illumination. This software update will be completed **free of charge** and will take approximately **0.5** hour to complete. However, the dealer may need your vehicle for a longer period of time due to scheduling. Every effort will be made to minimize your inconvenience.

**What you should do:**

Please contact your local Authorized Mitsubishi dealership to schedule an appointment. Although not required, it is recommended to bring this letter when you take your vehicle into the dealership.

If you have any questions regarding this customer satisfaction campaign, please contact us:

Mitsubishi Customer Relations Department  
P.O. Box 6400  
Cypress, CA 90630-0064  
Phone 1-888-648-7820  
Hours: Monday – Friday 7 a.m. – 4 p.m. Pacific Time

If you have already encountered a problem based on the above condition and have paid for the repair, you may send your original receipts and/or other adequate proof of payment to the following address for reimbursement consideration:

Mitsubishi Customer Relations Department, P.O. Box 6400, Cypress, CA 90630-0064

We appreciate your prompt attention to this matter, and apologize for any inconvenience.

Sincerely,

Mitsubishi Motors North America, Inc.

C1311W