

Technical BULLETIN

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Certain 2013 FJR1300A MODELS Fault Code 14 with Change in Altitude

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INTRODUCTION

Problem: When traveling downhill for extended periods at a steady speed, the check engine light may illuminate intermittently with the meter displaying code 14.

NOTE: If the rider tries to set the cruise control system set while the check engine light is on, the cruise control will self cancel. The system does not allow for Cruise Control function while a fault code is displayed.

Cause: By design, the ECU monitors the air intake pressure sensor to estimate altitude when the main switch is turned on and while riding. Under certain conditions, the ECU may not estimate the altitude changes correctly due to a programming anomaly. In some cases, the ECU self-diagnostic system may detect a difference in estimated altitude and the actual altitude measured by the intake air pressure sensor. As a result, the ECU will illuminate the check engine light with fault code 14 displayed.

Remedy: A revised program should be flashed to the ECU on affected 2013 units in the affected range using YDT (Yamaha Diagnostic Tool). 2013 models outside the affected range had the ECU's programming updated during production to compensate for these conditions. This modification does not alter the emissions compliance of this product.



DEALER ACTION SUMMARY

Unsold Units:

Modify all units in the applicable range after checking unit status on YDS to be sure the modification hasn't already been done. Follow the procedures listed in this bulletin to reprogram the unit's ECU.

Sold Units:

Modify all units in the applicable range after checking unit status on YDS to be sure the modification hasn't already been done. Follow the procedures listed in this bulletin to reprogram the unit's ECU.

Parts

Required: No. If a unit needs a new ECU for any reason, parts in stock have been superseded to an ECU that does not need reprogramming.

Warranty: Submit a Service-Per-Bulletin (90 Code) Warranty Request for labor reimbursement (refer to the *Warranty Information* section).



AFFECTED RANGE

2013 FJR1300AD

RP24E-0000001 ~ 0000637

2013 FJR1300ADC

RP24Y-0000006 ~ 0000088

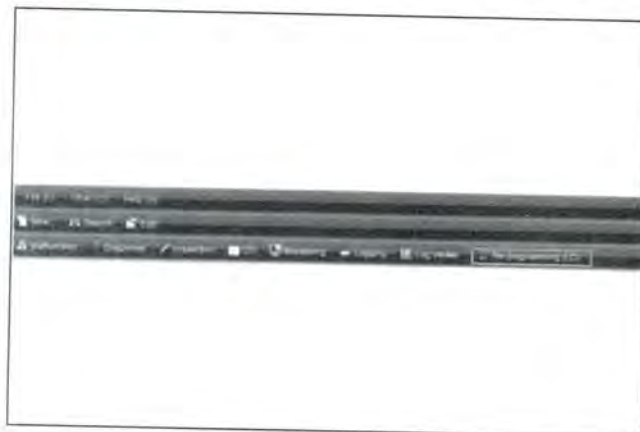


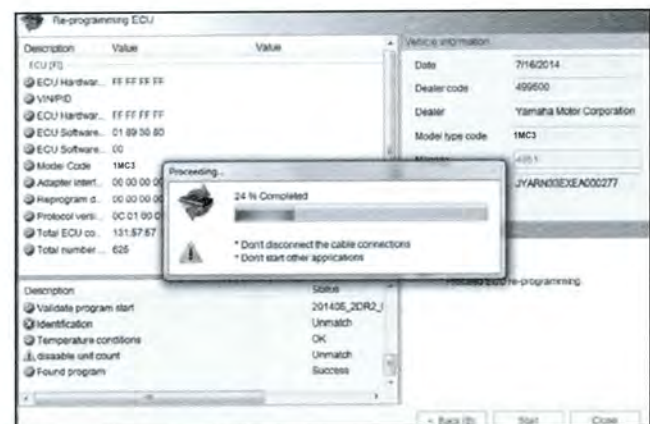
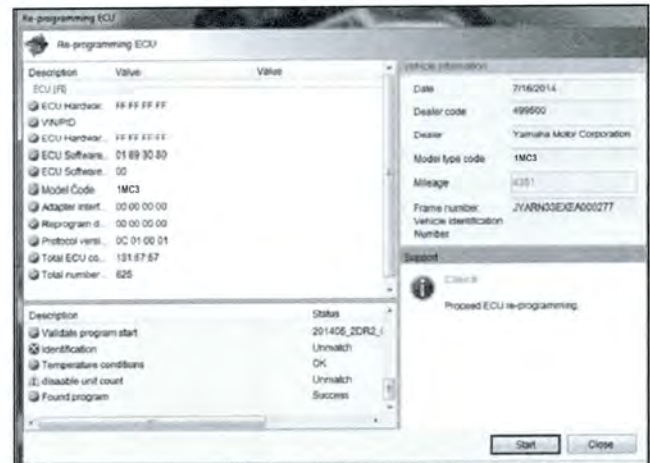
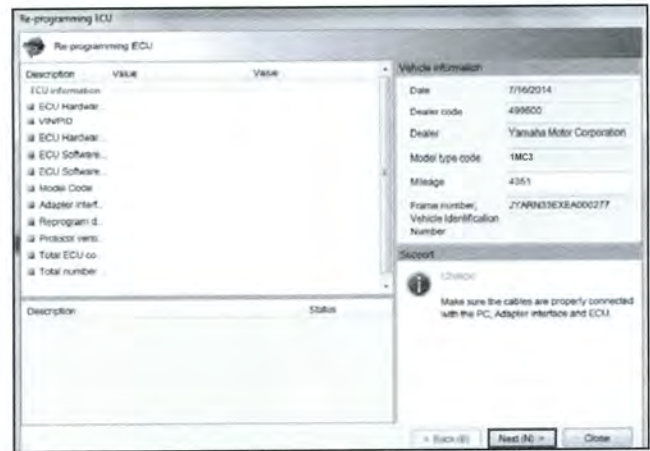
SERVICE PROCEDURES

NOTICE:

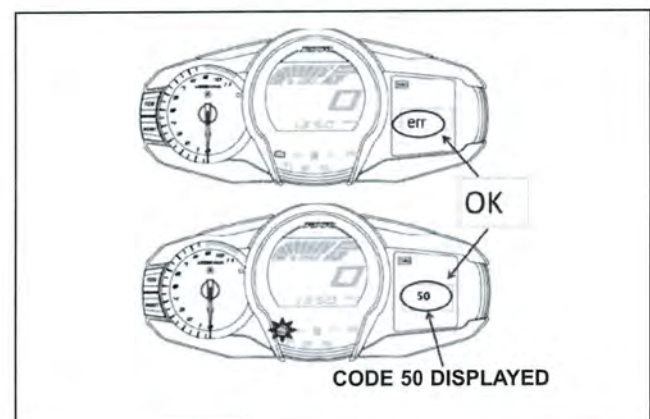
- It takes time to reprogram the ECU. Be sure the vehicle has a fully charged battery. Also, do not turn the main switch to OFF while reprogramming.
 - Turn off your computer's screensaver function while reprogramming. Also, do not use the low-power mode or turn off the computer. This may cause an ECU malfunction.
1. Confirm your YDT software version is version 1.5.0.0 or later. See Tech Exchange M2014-003 for information on updating your software.
 2. Go to the Tech Library in YDS, then select the tab labeled "Diagnostic Tools." Next, select YDT and download the zip file labeled: M2014-015 ECU. Once the download is complete, extract the zip file to your desktop. Open YDT and choose "import ECU program file" from the main file tab on the top left side of your screen. Select the ECU file that was downloaded from the Tech Library.
 3. Confirm the unit's battery is fully charged!
 4. Connect YDT to the unit, then click "New," and enter the unit's information to begin a new session. Enter the Technician, Model Code (located under the seat), VIN, and Mileage, then click "OK."
 5. Click the "Re-programming ECU" tab in YDT and click "Next." Next, establish communication with the ECU by following the on screen steps, then click "Start."

IMPORTANT: Once the reprogramming is done, the changes cannot be reversed.





6. Wait for the ECU reprogramming process to complete. Do not disconnect the cables or start any other applications on the computer. Reprogramming may take several minutes. It is normal to see errors or codes displayed on the meter during the reprogramming process.
7. When reprogramming is complete, YDT will display a message showing that reprogramming has been completed correctly. Click "Close" and exit the reprogramming section of YDT.



8. Enter the malfunction feature of YDT and clear the codes. Code 50 will be stored (ECU internal malfunction) due to the reprogramming. Now, exit the application and disconnect YDT from the unit.

NOTE: IF THE ECU SOFTWARE IS STOCK, THEN THE UNIT HAS THE ORIGINAL PROGRAMMING IN THE ECU SOFTWARE AND WILL SHOW 00 ON THE LEFT PANE. AFTER THE ECU IS REPROGRAMMED, THE NUMBER WILL CHANGE TO 01.



WARRANTY INFORMATION

Service of all affected units is authorized regardless of warranty status.

Reprogramming of the ECU will be covered if performed before 10/2/2015. After completion, select Problem Code **090WE** from the Problem Code pull-down menu in the Yamaha Dealer System (YDS) when entering your claim. The labor allowance for this repair is **0.3 hour**.

This Service-per-Bulletin 90 Code (**90WE**) will only be **valid for 1 year** from date of issue of this Technical Bulletin and will expire 10/2/2015.