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TO: All U.S. Ford and Lincoln Dealers

SUBJECT: **DEMONSTRATION / DELIVERY HOLD - Application Performance Upgrade 13A01 – Supplement #3**
Certain 2012-2013 Focus Electric, 2013 C-MAX Hybrid and C-MAX Energi, and 2013 Fusion Hybrid Vehicles Equipped with MyFord Touch® Application Performance Upgrade

REF: **DEMONSTRATION / DELIVERY HOLD – Application Performance Upgrade 13A01 – Supplement #2** Dated August 6, 2013

New! REASON FOR THIS SUPPLEMENT

- *To inform dealers that the recently released IDS version 86.04 (or higher) should be used for all future repairs performed under this program.*
- *To advise dealers that vehicles reprogrammed using prior levels of IDS do not need to be serviced again.*

PROGRAM SUMMARY

This program is intended to make the latest level MyFord Touch® software (BD/13171/V3.6.2) available for all Hybrid, Plug-in Hybrid, and Electric vehicles produced with earlier levels of software. Note that affected vehicles require the use of IDS version **86.04** or higher to perform the software upgrade, and are not upgradable with a flash drive.

PROGRAM TERMS

This program will be in effect through August 31, 2014. There is no mileage limit for this program.

AFFECTED VEHICLES

Certain vehicles equipped with MyFord Touch®, as noted below.

- 2012-2013 Focus Electric vehicles produced through February 5, 2013.
- 2013 C-MAX Hybrid and C-MAX Energi vehicles produced through February 5, 2013.
- 2013 Fusion Hybrid vehicles produced through November 27, 2012.

Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit <https://web.fsavinlists.dealerconnection.com>.

REASON FOR THIS PROGRAM

An upgraded version of the MyFord Touch® software (BD/13171/V3.6.2) is available. This upgrade provides the following functional and feature enhancements to all affected vehicles:

- Simplified phone pairing process.
- Enhanced voice recognition performance.
- Improved call sound quality.
- Simplified voice commands for radio and USB-connected audio players.
- Enhanced voice and screen destination entry for vehicles equipped with Navigation.
- Updated Bluetooth® device/SYNC® compatibility.
- Addition of an outside air temperature display on the 8-inch touchscreen.
- Addition of an “EV Info” button on the Home screen that leads to a Powerflow screen showing energy flow information.

Additional feature content specific to C-MAX Energi and Focus Electric vehicles

- New “EV Info” button on Home screen provides access to a Powerflow screen plus a Charge Settings screen that includes:
 - On-Board Charge Programming
 - Cabin Preconditioning
 - State of Charge
- Navigation update includes:
 - Rings representing vehicle electric range
 - Updated Electric Charging Station POIs with over-the-air updates via Sirius XM Travel Link (requires active account).
- Customizable Charge Port Light Ring illumination settings
- Enhanced drivability (Focus Electric only).

SERVICE ACTION

Before demonstrating or delivering any of the vehicles involved in this program, dealers are to perform the following:

2013 C-MAX Hybrid and Fusion Hybrid:

1. PCM – Reprogram with IDS to latest level software.
2. APIM – Reprogram with IDS to BD/13171/V3.6.2 level software.

2013 C-MAX Energi:

1. Telematics Control Unit (TCU) – Reprogramming of the TCU is not required. However, replacement of the TCU is required for vehicles specifically identified in the C-MAX Energi TCU Replacement Reference Table in Attachment VI.
NOTE: To ensure that a replacement TCU is available at the dealer at the time of repair, dealers should confirm whether or not a VIN is identified in Attachment VI before scheduling a service appointment.
2. PCM – Reprogram with IDS to the latest level software.
3. APIM – Reprogram with IDS to BD/13171/V3.6.2 level software.

2012 & 2013 Focus Electric:

1. TCU – Reprogram with IDS to the latest level software. The TCU is unique from other modules and may need to be reprogrammed more than once to reach the latest software level (the TCU can only be updated one software level at a time). Replacement of the TCU is required for vehicles specifically identified in the Focus Electric TCU Replacement Reference Table in Attachment VII.
NOTE: To ensure that a replacement TCU is available at the dealer at the time of repair, dealers should confirm whether or not a VIN is identified in Attachment VII before scheduling a service appointment.
2. PCM – Reprogram with IDS to the latest level software.
3. APIM – Reprogram with IDS to BD/13171/V3.6.2 level software.

For vehicles equipped with Navigation, a new Navigation SD Map Card (A4 level) must be installed when the APIM is reprogrammed. NOTE: The A3 level Navigation SD Map Cards will not provide the full functionality on electrified vehicles, and should not be used.

Dealers are to insert a new User Guide in all stock C-MAX Energi and Focus Electric vehicles, which outlines special features specific to these vehicles. Copies of the updated User Guide, which is posted with this bulletin, were mailed to dealers on April 16, 2013 for stock vehicles.

Dealers should inform C/MAX Energi and Focus Electric vehicle owners that they may need to re-add their vehicle to their MyFord Mobile account after having this service performed.

Performing the Repair

In the event that the upgrade is unsuccessful, the vehicle should be diagnosed and repaired by a technician using normal diagnostics and claimed as part of the FSA. If there is a software download issue, and the new APIM diagnostic pinpoint test indicates that the APIM requires replacement, dealers are authorized to claim APIM replacement without contacting the Special Service Support Center.

This service must be performed on all affected vehicles at no charge to the vehicle owner.

OWNER NOTIFICATION MAILING SCHEDULE

Owner Letters will be mailed in June, 2013. Owner Letters to C-MAX Energi and Focus Electric vehicle owners will include an updated User Guide, which explains the new features unique to these applications.

New! ATTACHMENTS

Attachment I: Administrative Information
Attachment II: Labor Allowances and Parts Ordering Information
Attachment III: Technical Information (Fusion Hybrid and C-MAX Hybrid)
Attachment IV: Technical Information (C-MAX Energi)
Attachment V: Technical Information (Focus Electric)
Attachment VI: C-MAX Energi TCU Replacement Reference Table
Attachment VII: Focus Electric TCU Replacement Reference Table
Owner Notification Letters
MyFord Touch® User Guide - Special Features for Plug-in Hybrid/All-Electric Vehicles

QUESTIONS & ASSISTANCE

Special Service Support Center (Dealer Assistance Only)	1-800-325-5621
Navigation Map SD Card Questions (Ford Component Sales)	1-313-390-3635
Special Service Support Center (Parts Ordering)	1-800-207-2444

Sincerely,



Michael A. Berardi

DEMONSTRATION / DELIVERY HOLD**Application Performance Upgrade 13A01 – Supplement #3**

Certain 2012-2013 Focus Electric, 2013 C-MAX Hybrid and C-MAX Energi,
and 2013 Fusion Hybrid Vehicles Equipped with MyFord Touch[®]
Application Performance Upgrade

OASIS ACTIVATED?

Yes, OASIS was activated for all affected vehicles on May 24, 2013.

FSA VIN LIST ACTIVATED?

FSA VIN lists for all affected vehicles were made available through <https://web.fsavinlists.dealerconnection.com> on May 24, 2013. Owner names and addresses were available in June, 2013.

STOCK VEHICLES

- Correct all affected units in your new vehicle inventory before delivery.
- Use OASIS to identify any affected vehicles in your used vehicle inventory.

SOLD VEHICLES

- Owners of affected vehicles will be directed to dealers for repairs.
- Immediately contact any of your affected customers whose vehicles are not on your VIN list but are identified in OASIS. Give the customer a copy of the Owner Notification Letter and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged vehicles are eligible for this service action.

RELATED DAMAGE

If a related damage condition exists that you believe to be caused by the covered condition, call the Special Service Support Center to request approval **prior** to the repair of any related damage. Requests for approval after completion of the repair will not be granted.

NOTE: APIM replacements should not be claimed as Related Damage. (See Attachment II)

ADDITIONAL LABOR TIME

- If a condition exists that requires additional labor to complete the repair, call the Special Service Support Center to request approval **prior** to performing any additional labor. Requests for approval after completion of the repair will not be granted.
- If you encounter aftermarket equipment or modifications to the vehicle which might prevent the repair of the covered condition, call the Special Service Support Center.

OWNER REFUNDS

- Refunds are not authorized for this program.

RENTAL VEHICLES

- The use of rental vehicles is not authorized under this FSA.

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Application Performance Upgrade

CLAIMS PREPARATION AND SUBMISSION

- Navigation Map SD Cards can only be claimed for vehicles equipped with Navigation.
- For Navigation Map SD Card claiming, use service part number DM5Z-19H449-AA (A4 level).
- Enter claims using Direct Warranty Entry (DWE).
- Refer to ACESII manual for claims preparation and submission information.
- If the APIM replacement and software reprogramming labor operations are both being claimed, they should be claimed on the same repair line.
- Related damage must be claimed on a repair line that is separate from the repair line on which the FSA is claimed. Related damage requires prior approval from the Special Service Support Center.
- "MT" labor should be submitted on a separate repair line with the related damage flag checked. "MT" labor requires prior approval from the Special Service Support Center.
- PROGRAM TERMS: This program will be in effect through August 31, 2014. There is no mileage limit for this program.
- TCUs may only be claimed under FSA 13A01 on vehicles identified in the C-MAX Energi TCU Replacement Reference Table contained in Attachment VI, and Focus Electric TCU Replacement Reference Table contained in Attachment VII.

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Application Performance Upgrade

LABOR ALLOWANCES

Description	Labor Operation	Labor Time
<u>2013 Fusion Hybrid:</u>		
Vehicle without Navigation: Reprogram the PCM and APIM using IDS.	13A01B	1.4 Hours
Vehicle with Navigation: Reprogram the PCM and APIM using IDS. Insert a new A4 level Navigation Map SD Card.	13A01C	1.4 Hours

<u>2013 C-MAX Hybrid:</u>		
Vehicle without Navigation: Reprogram the PCM and APIM using IDS.	13A01E	1.4 Hours
Vehicle with Navigation: Reprogram the PCM and APIM using IDS. Insert a new A4 level Navigation Map SD Card.	13A01F	1.4 Hours

<u>2013 C-MAX Energi:</u>		
Vehicle without Navigation – VIN <u>is</u> identified in Attachment VI: Replace the TCU, and reprogram the PCM and APIM. Insert a new User Guide in dealer stock vehicles.	13A01G	1.7 Hours
Vehicle with Navigation – VIN <u>is</u> identified in Attachment VI: Replace the TCU, and reprogram the APIM and PCM. Insert a new A4 level Navigation Map SD Card. Insert a new User Guide in dealer stock vehicles.	13A01H	1.7 Hours
Vehicle without Navigation – VIN <u>is not</u> identified in Attachment VI: Reprogram the APIM and PCM. Insert a new User Guide in dealer stock vehicles.	13A01J	1.4 Hours
Vehicle with Navigation – VIN <u>is not</u> identified in Attachment VI: Reprogram the APIM and PCM. Insert a new A4 level Navigation Map SD Card. Insert a new User Guide in dealer stock vehicles.	13A01K	1.4 Hours

<u>2012-2013 Focus Electric (all are equipped with Navigation):</u>		
VIN <u>is</u> identified in Attachment VII: Replace the TCU, Perform Master Reset, and reprogram the PCM and APIM. Insert a new A4 level Navigation Map SD Card. Insert a new User Guide in dealer stock vehicles.	13A01L	2.2 Hours
VIN <u>is not</u> identified in Attachment VII: Perform Master Reset, reprogram the TCU (includes time to reprogram a second time if needed), PCM and APIM. Insert a new A4 level Navigation Map SD Card. Insert a new User Guide in dealer stock vehicles.	13A01P	1.7 Hours

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Application Performance Upgrade

<u>APIM Replacement</u>	Labor Operation	Labor Time
NOTE: The Labor Operations 13A01B through 13A01M can be claimed in conjunction with the labor operations below if the module fails during reprogramming.		
Diagnose and Replace APIM on 2012-2013 Focus Electric	13A01MM	1.6 Hours*
Diagnose and Replace APIM on 2013 C-MAX Hybrid and Energi	13A01NN	1.6 Hours*
Diagnose and Replace APIM on 2013 Fusion Hybrid	13A01DD	1.6 Hours*

* NOTE: Labor times for APIM Diagnoses and Replacement have been increased to account for a new APIM Hardware Test, which has been added to the diagnostic pinpoint test.

PARTS REQUIREMENTS / ORDERING INFORMATION**Navigation Map SD Cards**

To order Navigation Map SD Cards for Navigation equipped vehicles:

- Go to FMCDealer.com
- Select the Parts & Service tab
- Select Parts Department Tools
- Select Parts Inquiries & Forms
- Select Navigation Map Update Order Form
- Select MyFord/MyLincoln Touch Performance Upgrade Map Upgrade
- Follow the on-screen instructions

Part Number	Description	Quantity
DM5T-19H449-AA (A4 level) (Use for <u>ordering</u>) DM5Z-19H449-AA (A4 level) (Use for <u>claiming</u>)	Navigation Map SD Card (if equipped with Navigation)	1
-14D212-	Accessory Protocol Interface Module (APIM) (Gen 2 Module)	1 (if required)

Questions regarding Navigation Map SD Card availability should be directed to 313-390-3635 or fesq@ford.com.

Accessory Protocol Interface Module (APIM)

APIMs should be ordered through normal order processing channels, using the on-line 1878 form.

To order an APIM:

- Go to FMCDealer.com
- Go to OASIS
- Enter the VIN and click GO
- Select the On-Line 1878 (scroll to the bottom)
- Select "SYNC Module" from the System drop-down box
- Complete the On-Line 1878 Ford order process

Questions regarding APIM availability and ordering should be directed to 313-390-3635 or fesq@ford.com.

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PARTS REQUIREMENTS / ORDERING INFORMATION (Continued)

TCU replacement is only authorized for VINs identified in the C-MAX Energi TCU Replacement Reference Table contained in Attachment VI and Focus Electric TCU Replacement Reference Table contained in Attachment VII.

Part Number	Description	Quantity
DM5Z-19K350-B	Telematic Control Unit (TCU)	1 (Only required on C-MAX Energi VINs identified in Attachment VI)
DM5Z-19A387-C	Telematic Control Unit (TCU)	1 (Only required on Focus Electric VINs identified in Attachment VII)

The DOR/COR number for this recall is 50497.

To manage TCU part availability, dealers must contact the Special Service Support Center Parts Order Line at 1-800-207-2444. When calling to place an order for a TCU, please be prepared to provide dealer P&A code, VIN, and RO #.

Dealers will be notified via a DOES II communication if circumstances warrant a change in part supply strategy and when open ordering resumes.

USER GUIDES

Updated MyFord Touch® User Guides for Electrified Vehicles are required for Focus Electric and C-MAX Energi vehicles only.

Stock Vehicles

Updated User Guides for stock vehicles were mailed to dealers on April 16, 2013. Additional copies are available through the Dealer eStore at FMCDealer.com.

Sold Vehicles

Updated User Guides for sold vehicles will be mailed with C-MAX Energi and Focus Electric owner notification letters.

DEALER PRICE

For latest prices, refer to DOES II.

PARTS RETENTION AND RETURN

Affected parts are subject to random selection for return to the Ford Warranty Parts Analysis Center (WPAC). Refer to your daily PEARS (Parts Entry and Return System) register for part disposition and return instructions.

Follow the provisions of the Warranty and Policy Manual for "Parts Retention and Return Procedures."

DEMONSTRATION / DELIVERY HOLD

Application Performance Upgrade 13A01 – *Supplement #3*

Certain 2012-2013 Focus Electric, 2013 C-MAX Hybrid and C-MAX Energi,
and 2013 Fusion Hybrid Vehicles Equipped with MyFord Touch[®]
Application Performance Upgrade

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

Excess Navigation Map SD Cards to be returned for credit must have been purchased from Ford Customer Service Division/Ford Component Sales. Only new, unopened (still in shrink wrap) product is eligible for return.

CERTAIN 2013 MODEL YEAR FUSION HYBRID AND C-MAX HYBRID VEHICLES EQUIPPED WITH MYFORD TOUCH® — APPLICATION PERFORMANCE UPGRADE

NEW ! OVERVIEW

Before demonstrating or delivering any of the vehicles involved in this program, dealers are to perform the following in the order listed below, using IDS **86.04** or higher:

NOTE: The Powertrain Control Module (PCM) must be reprogrammed before reprogramming the SYNC Module (APIM).

- PCM - Reprogram using IDS **86.04** or higher.
- APIM - Reprogram using IDS to BD/13171/V3.6.2.

This FSA must be performed even if APIM software level BD/13171/V3.6.2 appears within the vehicle system information screen prior to beginning this procedure. In order for the full system functionality to be achieved, the above modules must all be updated in the order stated above using the indicated software levels.

Vehicles Equipped with Navigation

For vehicles equipped with Navigation, a *new* A4 level Navigation Map SD Card must be installed when the APIM is reprogrammed.



SERVICE PROCEDURE

Important Information for Module Programming

NOTE: When programming or reprogramming a module, use the following basic checks to ensure programming completes without errors.

- Make sure the 12v battery is fully charged before carrying out the programming steps and connect IDS/scan tool to a power source.
- Inspect Vehicle Communication Module (VCM) and cables for any damage. Make sure scan tool connections are not interrupted during programming.
- A hardwired internet connection is strongly recommended.
- Turn off all unnecessary accessories (radio, heated/cooled seats, head lamps, interior lamps, HVAC system, etc.) and close doors.
- Disconnect/depower any aftermarket accessories (remote start, alarm, power inverter, CB radio, etc.).
- Follow all scan tool on-screen instructions carefully.
- Disable IDS/scan tool sleep mode, screensaver, hibernation modes.
- Create all sessions Key On Engine Off (KOEO). Starting the vehicle before creating a session will cause errors within the programming inhale process.

NEW ! Module Reprogramming

NOTE: Reprogram appropriate vehicle modules before performing diagnostics and clear all Diagnostic Trouble Codes (DTCs) after programming. For DTCs generated after reprogramming, follow normal diagnostic service procedures.

1. Connect battery charger to the 12v battery. For additional information, refer to Workshop Manual (WSM) Section 414-01.



2. Reprogram the following modules to the latest software level in the order instructed below, using IDS **86.04** or higher:

- PCM - Reprogram using IDS **86.04** or higher.
 - If the PCM is not reprogrammed before the APIM, BD/13171/V3.6.2 will not be shown as an option in PTS.
- APIM - Follow the "SYNC Module (APIM) Custom Programming" procedure to reprogram the APIM to BD/13171/V3.6.2. For additional information, refer to WSM Section 415-00.

NOTE: Calibration files may also be obtained at www.motorcraft.com.

NOTE: Follow the IDS on-screen instructions to complete the reprogramming procedure.

NOTE: When prompted to manually select vehicle applications, select only the applications that are applicable to the vehicle. See Figure 1.

Applications				
Install	Uninstall	Part #	Version	Description
<input type="checkbox"/>	<input type="checkbox"/>	BT4T-14D546-DA	Gen2 - V1.0	SERVICE PROVISIONING
<input type="checkbox"/>	<input type="checkbox"/>	BT4T-14D546-FA	Gen2 - V1.0	App to correct modules that report null ESN
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-AG	Gen2 - V1.20	TDI, VHR, EA (911Assist) Combo Pack.
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-BB	Gen2 - V1.1	TDI and VHR Application.
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-DB	Gen2 - V1.1	Emergency Assistance application. (911Assist)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-AH	Gen2 - V1.3	8" Ford Graphics Pack (ONLY SELECT FOR A FORD VEHICLE)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-BH	Gen2 - V2.21	8" Lincoln Graphics Pack (ONLY SELECT FOR A LINCOLN VEHICLE)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-MB	Gen2 - V1.1	Custom Animation application (FOR FORD F-150 RAPTOR VEHICLES ONLY).
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-NB	Gen2 - V1.1	Custom Animation application (FOR LINCOLN MKZ VEHICLES ONLY).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-AJ	Gen2 - V1.21	English (US) Language Pack (ONLY SELECT IF THE VEHICLE IS IN NORTH AMERICA)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-HH	Gen2 - V8.10	South American Language Pack (ONLY SELECT IF THE VEHICLE IS IN SOUTH AMERICA)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-JC	Gen2 - V1.2	Chinese Mandarin Language Pack (ONLY SELECT IF THE VEHICLE IS IN CHINA)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F657-AK	Gen2 - V1.21	Global Navigation Application

1301C
ONLY IF EQUIPPED WITH NAVIGATION

FIGURE 1

NOTE: Touchscreen calibration is required after reprogramming the APIM. After the reprogram procedure completes, a "Tick" button will appear on the bottom left of the IDS screen (this may require scrolling to the bottom of the page to view).

Vehicles Equipped With Navigation

NOTE: After the reprogramming procedure completes, an SD card fault will appear on the screen. This is normal.

3. Remove the A3 level Navigation Map SD Card from the vehicle's map card slot.
4. Tap "SD Nav" on the touchscreen to clear the SD card fault.
5. Install the *new* A4 level Navigation Map SD Card into the vehicle's map card slot. See Figure 2. Wait for the *new* Navigation Map SD Card to be recognized and tap "OK" when the "SD Card Detected" screen appears on the touchscreen.



FIGURE 2

All Vehicles

NOTE: If the MyFord Touch® system is unresponsive, inoperative, or if the vehicle software update was unsuccessful, perform normal WSM diagnostic procedures. If WSM diagnostics identify the APIM as the causal part of a concern, replace the APIM. For additional information, refer to WSM, Section 415-00.



Recovering a PCM when programming has resulted in a blank module: NEVER DELETE THE ORIGINAL SESSION!

1. Obtain the original IDS that was used when the programming error occurred during Module Reprogramming (MR) or Programmable Module Installation (PMI).
2. Disconnect the VCM from the data link connector (DLC) and the IDS.
3. Reconnect the VCM to IDS and then connect to the DLC. Once reconnected, the VCM icon should appear in the corner of the IDS screen. If it does not, troubleshoot the IDS to VCM connection.
4. Locate the ORIGINAL vehicle session when programming failed. This should be the last session used in most cases. If not, use the session created on the date that the programming failed.

NOTE: If the original session is not listed in the previous session list, click the "Recycle Bin" icon at the lower right of the previous session screen. This loads any deleted sessions and allows you to look through them. Double-click the session to restore it.

5. Once the session is loaded, the failed process should resume automatically.
6. If programming does not resume automatically, proceed to the Module Programming menu and select the previously attempted process, PMI or MR.
7. Follow all on-screen prompts/instructions.
8. Near the end of programming, the IDS prompts you to select certain parameters. It is important to make a selection for ALL parameters listed. If the correct selection is already highlighted, you must still choose that selection before clicking the "Tick" mark to complete the configuration.
9. The last screen on the IDS may list additional steps required to complete the programming process. Make sure all applicable steps listed on the screen are followed in order.



CERTAIN 2013 MODEL YEAR C-MAX ENERGI VEHICLES EQUIPPED WITH MYFORD TOUCH® — APPLICATION PERFORMANCE UPGRADE

NEW ! OVERVIEW

Before demonstrating or delivering any of the vehicles involved in this program, dealers are to perform the following in the order listed below, using IDS *86.04* or higher:

- Telematic Control Unit Module (TCU) - TCU reprogramming is not required however, certain vehicles which are listed in Attachment VI will require TCU replacement.
- PCM - Reprogram using IDS *86.04* or higher.
- APIM - Reprogram using IDS to BD/13171/V3.6.2.

This FSA must be performed even if APIM software level BD/13171/V3.6.2 appears within the vehicle system information screen prior to beginning this procedure. In order for the full system functionality to be achieved, the above modules must all be updated in the order stated above using the indicated software levels.

Vehicles Equipped with Navigation

For vehicles equipped with Navigation, a *new* A4 level Navigation Map SD Card must be installed when the APIM is reprogrammed.

Stock Units

Dealers are to insert an updated User Guide into the glove compartment of stock units.



NEW ! SERVICE PROCEDURE

Important Information for Module Programming

NOTE: When programming or reprogramming a module, use the following basic checks to ensure programming completes without errors.

- Make sure the 12v battery is fully charged before carrying out the programming steps and connect IDS/scan tool to a power source.
- Inspect Vehicle Communication Module (VCM) and cables for any damage. Make sure scan tool connections are not interrupted during programming.
- A hardwired internet connection is strongly recommended.
- Turn off all unnecessary accessories (radio, heated/cooled seats, head lamps, interior lamps, HVAC system, etc.) and close doors.
- Disconnect/depower any aftermarket accessories (remote start, alarm, power inverter, CB radio, etc.).
- Follow all scan tool on-screen instructions carefully.
- Disable IDS/scan tool sleep mode, screensaver, hibernation modes.
- Create all sessions Key On Engine Off (KOEO). Starting the vehicle before creating a session will cause errors within the programming inhale process.

Module Reprogramming

1. Certain vehicles, which are listed within Attachment VI, will require TCU replacement.
 - If the VIN **is listed** within Attachment VI, proceed to Step 2.
 - If the VIN **is not listed** within Attachment VI, proceed to Step 3.

IMPORTANT: The TCU WSM procedure contains steps for Programmable Module Installation (PMI). These steps must be followed to properly install the *new* TCU.

2. If the VIN is listed within Attachment VI, replace the TCU. Refer to Workshop Manual (WSM) Section 415-00.

NOTE: Reprogram appropriate vehicle modules before performing diagnostics and clear all Diagnostic Trouble Codes (DTCs) after programming. For DTCs generated after reprogramming, follow normal diagnostic service procedures.

NOTE: If the MyFord® Mobile system prompts for user permissions select "Allow".

3. Connect battery charger to the 12v battery. For additional information, refer to WSM Section 414-01.



4. Reprogram the following modules to the latest software level in the order instructed below, using IDS **86.04** or higher:

- PCM - Reprogram using IDS **86.04** or higher.
 - If the PCM is not reprogrammed before the APIM, BD/13171/V3.6.2 will not be shown as an option in PTS.
- APIM - Follow the "SYNC Module (APIM) Custom Programming" procedure to reprogram the APIM to BD/13171/V3.6.2. For additional information, refer to WSM Section 415-00.

NOTE: Calibration files may also be obtained at www.motorcraft.com.

NOTE: Follow the IDS on-screen instructions to complete the reprogramming procedures.

NOTE: When prompted to manually select vehicle applications, select only the applications that are applicable to the vehicle. See Figure 1.

Applications				
Install	Uninstall	Part #	Version	Description
<input type="checkbox"/>	<input type="checkbox"/>	BT4T-14D546-DA	Gen2 - V1.0	SERVICE PROVISIONING
<input type="checkbox"/>	<input type="checkbox"/>	BT4T-14D546-FA	Gen2 - V1.0	App to correct modules that report null ESN
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-AG	Gen2 - V1.20	TDI, VHR, EA (911Assist) Combo Pack.
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-BB	Gen2 - V1.1	TDI and VHR Application.
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-DB	Gen2 - V1.1	Emergency Assistance application. (911Assist)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-AH	Gen2 - V1.3	8" Ford Graphics Pack (ONLY SELECT FOR A FORD VEHICLE)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-BH	Gen2 - V2.21	8" Lincoln Graphics Pack (ONLY SELECT FOR A LINCOLN VEHICLE)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-MB	Gen2 - V1.1	Custom Animation application (FOR FORD F-150 RAPTOR VEHICLES ONLY).
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-NB	Gen2 - V1.1	Custom Animation application (FOR LINCOLN MKZ VEHICLES ONLY).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-AJ	Gen2 - V1.21	English (US) Language Pack (ONLY SELECT IF THE VEHICLE IS IN NORTH AMERICA)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-HH	Gen2 - V8.10	South American Language Pack (ONLY SELECT IF THE VEHICLE IS IN SOUTH AMERICA)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-JC	Gen2 - V1.2	Chinese Mandarin Language Pack (ONLY SELECT IF THE VEHICLE IS IN CHINA)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F657-AK	Gen2 - V1.21	Global Navigation Application

ONLY IF EQUIPPED WITH NAVIGATION 1301C

FIGURE 1

NOTE: Touchscreen calibration is required after reprogramming the APIM. After the reprogram procedure completes, a "Tick" button will appear on the bottom left of the IDS screen (this may require scrolling to the bottom of the page to view).

Vehicles Equipped With Navigation

NOTE: After the reprogramming procedure completes, an SD card fault will appear on the screen. This is normal.

5. Remove the A3 level Navigation Map SD Card from the vehicle's map card slot.
6. Tap "SD Nav" on the touchscreen to clear the SD card fault.
7. Install the *new* A4 level Navigation Map SD Card into the vehicle's map card slot. See Figure 2. Wait for the *new* Navigation Map SD Card to be recognized and tap "OK" when the "SD Card Detected" screen appears on the touchscreen.



FIGURE 2

Stock Units

8. Insert an updated User Guide into the glove compartment of all stock units.

All Vehicles

NOTE: If the MyFord Touch® system is unresponsive, inoperative, or if the vehicle software update was unsuccessful, perform normal WSM diagnostic procedures. If WSM diagnostics identify the APIM as the causal part of a concern, replace the APIM. For additional information, refer to WSM, Section 415-00.

9. Notify the customer that they may need to re-establish their MyFord® mobile account.



Recovering a PCM when programming has resulted in a blank module: NEVER DELETE THE ORIGINAL SESSION!

1. Obtain the original IDS that was used when the programming error occurred during Module Reprogramming (MR) or Programmable Module Installation (PMI).
2. Disconnect the VCM from the data link connector (DLC) and the IDS.
3. Reconnect the VCM to IDS and then connect to the DLC. Once reconnected, the VCM icon should appear in the corner of the IDS screen. If it does not, troubleshoot the IDS to VCM connection.
4. Locate the ORIGINAL vehicle session when programming failed. This should be the last session used in most cases. If not, use the session created on the date that the programming failed.

NOTE: If the original session is not listed in the previous session list, click the "Recycle Bin" icon at the lower right of the previous session screen. This loads any deleted sessions and allows you to look through them. Double-click the session to restore it.

5. Once the session is loaded, the failed process should resume automatically.
6. If programming does not resume automatically, proceed to the Module Programming menu and select the previously attempted process, PMI or MR.
7. Follow all on-screen prompts/instructions.
8. Near the end of programming, the IDS prompts you to select certain parameters. It is important to make a selection for ALL parameters listed. If the correct selection is already highlighted, you must still choose that selection before clicking the "Tick" mark to complete the configuration.
9. The last screen on the IDS may list additional steps required to complete the programming process. Make sure all applicable steps listed on the screen are followed in order.



CERTAIN 2012-2013 MODEL YEAR FOCUS ELECTRIC VEHICLES EQUIPPED WITH MYFORD TOUCH® — APPLICATION PERFORMANCE UPGRADE

NEW ! OVERVIEW

Before demonstrating or delivering any of the vehicles involved in this program, dealers are to perform the following in the order listed below, using IDS **86.04** or higher:

- Telematic Control Unit Module (TCU) - Reprogram using IDS **86.04** or higher.
 - Certain vehicles, which are listed in Attachment VII, will require TCU replacement.
- PCM - Reprogram using IDS **86.04** or higher.
- APIM - Reprogram using IDS to BD/13171/V3.6.2.

This FSA must be performed even if APIM software level BD/13171/V3.6.2 appears within the vehicle system information screen prior to beginning this procedure. In order for the full system functionality to be achieved, the above modules must all be updated in the order stated above using the indicated software levels.

Vehicles Equipped with Navigation

For vehicles equipped with Navigation, a *new* A4 level Navigation Map SD Card must be installed when the APIM is reprogrammed.

Stock Units

Dealers are to insert an updated User Guide into the glove compartment of stock units.



NEW ! SERVICE PROCEDURE

Important Information for Module Programming

NOTE: When programming or reprogramming a module, use the following basic checks to ensure programming completes without errors.

- Make sure the 12v battery is fully charged before carrying out the programming steps and connect IDS/scan tool to a power source.
- Inspect Vehicle Communication Module (VCM) and cables for any damage. Make sure scan tool connections are not interrupted during programming.
- A hardwired internet connection is strongly recommended.
- Turn off all unnecessary accessories (radio, heated/cooled seats, head lamps, interior lamps, HVAC system, etc.) and close doors.
- Disconnect/depower any aftermarket accessories (remote start, alarm, power inverter, CB radio, etc.).
- Follow all scan tool on-screen instructions carefully.
- Disable IDS/scan tool sleep mode, screensaver, hibernation modes.
- Create all sessions Key On Engine Off (KOEO). Starting the vehicle before creating a session will cause errors within the programming inhale process.

Module Reprogramming

1. Certain vehicles, which are listed within Attachment VII, will require TCU replacement.

- If the VIN **is listed** within Attachment VII, proceed to Step 2.
- If the VIN **is not listed** within Attachment VII, proceed to Step 3.

IMPORTANT: The TCU WSM procedure contains steps for Programmable Module Installation (PMI). These steps must be followed to properly install the new TCU.

2. If the VIN is listed within Attachment VII, replace the TCU. Refer to Workshop Manual (WSM) Section 415-00. After TCU replacement proceed to Step 4.

NOTE: If a master reset is not performed the vehicle will not have full system functionality.

3. Perform the SYNC/MyTouch Master Reset.

- a. Select the "Settings/Gear" icon.
- b. Select "Settings".
- c. Select "System".
- d. Select "Master Reset" and then "Yes" then "Yes" to start the reset procedure.

NOTE: You must scroll down on Select System screen to see the Master Reset option.

4. **NOTE:** Reprogram appropriate vehicle modules before performing diagnostics and clear all Diagnostic Trouble Codes (DTCs) after programming. For DTCs generated after reprogramming, follow normal diagnostic service procedures.

NOTE: If the MyFord® Mobile system prompts for user permissions select "Allow".

Connect battery charger to the 12v battery. For additional information, refer to WSM Section 414-01.



5. Reprogram the following modules to the latest software level in the order instructed below, using IDS **86.04** or higher:

- TCU - Reprogram using IDS **86.04** or higher.
 - The TCU is unique from other modules and may need to be reprogrammed more than once to reach the latest software level. The TCU can only be updated one software level at a time. If the TCU needs a second reprogramming, the following message may appear on IDS. See Figure 1a.
 - TCU programming is not complete until "The TCU is now at the latest software level" is displayed. See Figure 1b.
 - **After reprogramming the TCU, turn the ignition "OFF", open/close the door, and wait for 30 seconds, this will force the vehicle into sleep mode. After the vehicle enters sleep mode, turn the ignition "ON" and wait 30 seconds.**
- PCM - Reprogram using IDS **86.04** or higher.
 - If the PCM is not reprogrammed before the APIM, BD/13171/V3.6.2 will not be shown as an option in PTS.
- APIM - Follow the "SYNC Module (APIM) Custom Programming" procedure to reprogram the APIM to BD/13171/V3.6.2. For additional information, refer to WSM Section 415-00.

NOTE: Calibration files may also be obtained at www.motorcraft.com.

NOTE: Follow the IDS on-screen instructions to complete the reprogramming procedures.

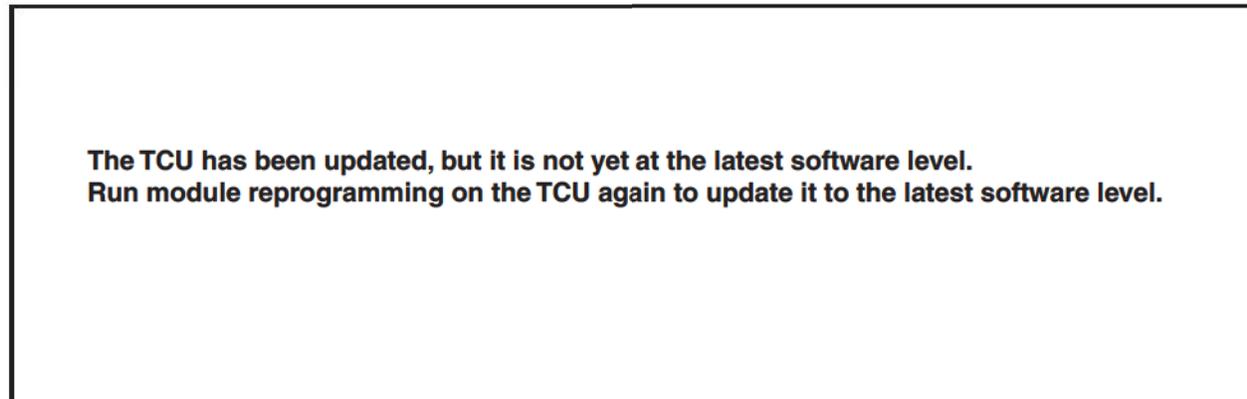


FIGURE 1a

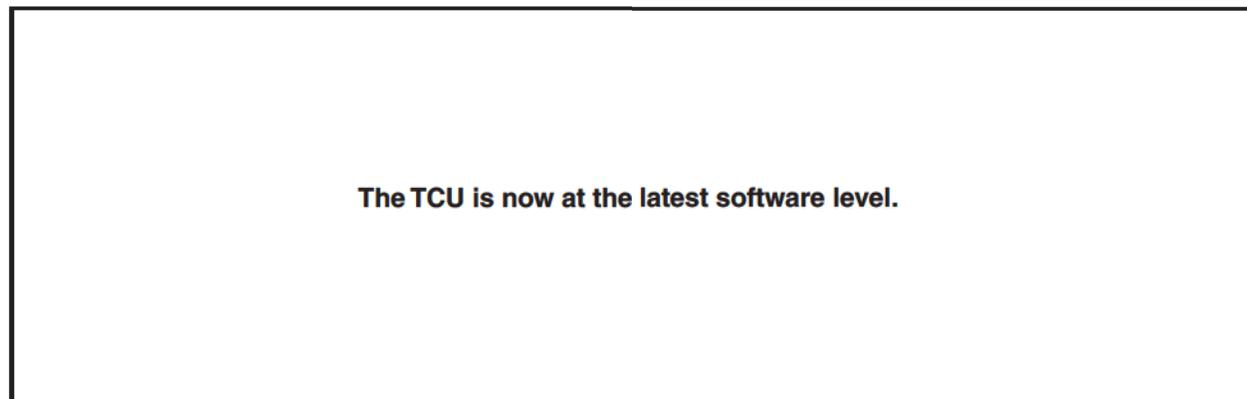


FIGURE 1b

NOTE: When prompted to manually select vehicle applications, select only the applications that are applicable to the vehicle. See Figure 2.

Applications				
Install	Uninstall	Part #	Version	Description
<input type="checkbox"/>	<input type="checkbox"/>	BT4T-14D546-DA	Gen2 - V1.0	SERVICE PROVISIONING
<input type="checkbox"/>	<input type="checkbox"/>	BT4T-14D546-FA	Gen2 - V1.0	App to correct modules that report null ESN
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-AG	Gen2 - V1.20	TDI, VHR, EA (911Assist) Combo Pack.
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-BB	Gen2 - V1.1	TDI and VHR Application.
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14D546-DB	Gen2 - V1.1	Emergency Assistance application. (911Assist)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-AH	Gen2 - V1.3	8" Ford Graphics Pack (ONLY SELECT FOR A FORD VEHICLE)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-BH	Gen2 - V2.21	8" Lincoln Graphics Pack (ONLY SELECT FOR A LINCOLN VEHICLE)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-MB	Gen2 - V1.1	Custom Animation application (FOR FORD F-150 RAPTOR VEHICLES ONLY).
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F496-NB	Gen2 - V1.1	Custom Animation application (FOR LINCOLN MKZ VEHICLES ONLY).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-AJ	Gen2 - V1.21	English (US) Language Pack (ONLY SELECT IF THE VEHICLE IS IN NORTH AMERICA)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-HH	Gen2 - V8.10	South American Language Pack (ONLY SELECT IF THE VEHICLE IS IN SOUTH AMERICA)
<input type="checkbox"/>	<input type="checkbox"/>	DA5T-14F497-JC	Gen2 - V1.2	Chinese Mandarin Language Pack (ONLY SELECT IF THE VEHICLE IS IN CHINA)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	DA5T-14F657-AK	Gen2 - V1.21	Global Navigation Application

1301C

ONLY IF EQUIPPED WITH NAVIGATION

FIGURE 2

NOTE: Touchscreen calibration is required after reprogramming the APIM. After the reprogram procedure completes, a "Tick" button will appear on the bottom left of the IDS screen (this may require scrolling to the bottom of the page to view).

Vehicles Equipped With Navigation

NOTE: After the reprogramming procedure completes, an SD card fault will appear on the screen. This is normal.

6. Remove the A3 level Navigation Map SD Card from the vehicle's map card slot.
7. Tap "SD Nav" on the touchscreen to clear the SD card fault.
8. Install the *new* A4 level Navigation Map SD Card into the vehicle's map card slot. See Figure 3. Wait for the *new* Navigation Map SD Card to be recognized and tap "OK" when the "SD Card Detected" screen appears on the touchscreen.



FIGURE 3

Stock Units

9. Insert an updated User Guide into the glove compartment of all stock units.

All Vehicles

NOTE: If the MyFord Touch® system is unresponsive, inoperative, or if the vehicle software update was unsuccessful, perform normal WSM diagnostic procedures. If WSM diagnostics identify the APIM as the causal part of a concern, replace the APIM. For additional information, refer to WSM, Section 415-00.

10. Notify the customer that they may need to re-establish their MyFord® mobile account.



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