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July 28, 2022

TO: All U.S. Ford and Lincoln Dealers

SUBJECT: **Customer Satisfaction Program 21B09 - Supplement #1**
Certain 2014-2020 Model Year Multiple Vehicle Lines
3G Telematics Control Unit to 4G Upgrade Kit

REF: **Customer Satisfaction Program 21B09**
Dated: November 03, 2021

New! REASON FOR THIS SUPPLEMENT

- **Program Terms:** This program has been extended until March 31, 2023, and covers the cost of certain one-time use parts.
- **Important NOTE:** 2014-2017 C-MAX Energi vehicles are unable to have a 4G upgrade kit installed at this time. A different telematics control unit (TCU) software version will be required for these vehicles which is planned to be available 4th quarter, 2022.
 - Do NOT attempt 21B09 on any C-MAX vehicle at this time.
 - A supplement is planned when software will be available.
 - C-MAX VINs will be added to the program with the Supplement once software is available.
- **Service Action:** IDS level required has been updated to 126.04 to address various programming issues encountered.
- **Owner Notification:** Owners (of non C-MAX vehicles) will be mailed announcing the updated program extension and program terms. C-MAX Energi customers expected to be mailed in the 4th quarter when software is available.
- **Labor Allowances:** C-MAX has been temporarily removed. Expecting to return with a Supplement upon software availability in the 4th quarter 2022.
- **Parts Requirements / Ordering Information:**
 - The C-MAX – 4G Upgrade Kit is **NOT** orderable at this time. A new part number will be available 4th quarter 2022 for C-MAX.
 - Added one-time use parts required for 2013-2016 Fusion Energi, 2015-2016 Lincoln MKZ, and 2016-2017 Lincoln MKX.
- **Service Part Warranty Part Information** – TCU and Antenna part detail added for reference only as needed.
- **Parts Retention, Return, & Scrapping** – FCS no longer requires a core return of the 3G TCU.
- **Technical Information updates:**
 - Added steps to toggle valet Mode ON/OFF to allow TCU authorization.
 - Customer validation of phone app-to-vehicle is operational at the dealership.
- **Ford and Lincoln Owner App Instructions** – added steps to remove and re-add VIN if the VIN was previously added to the app, and then to verify remote functions.

New! PROGRAM TERMS

This program will be in effect through **March 31, 2023**. There is no mileage limit for this program.

NOTE: Owners within the complimentary trial period may purchase the 4G upgrade kit and 21B09 covers labor/installation **and one-time use components for 2013-2016 Fusion Energi, 2015-2016 Lincoln MKZ, and 2016-2017 Lincoln MKX.**

NOTE: Owners outside of the complimentary trial period (VINs not under the 21B09 program) have the option to pay for both the labor and cost to purchase the 4G upgrade kit.

New! URGENCY / EXPIRATION DATE

This Customer Satisfaction Program has an expiration date of **March 31, 2023**, to encourage dealers and owners to have this service performed as soon as possible.

We recommend dealers utilize their FSA VIN Lists name and address to contact owners with affected vehicles. This will help minimize the number of vehicles that may lose wireless functionality for connected phone app to vehicle features. FSA VIN Lists were made available on November 3, 2021.

New! AFFECTED VEHICLES

Vehicle	Model Year	Assembly Plant	Build Dates
Fusion Energi	2014-2020	Hermosillo	October 28, 2013 through July 27, 2020
C-MAX Energi	2014-2017	Michigan	April 15, 2014 through October 2, 2017
Focus Battery Electric Vehicle (BEV)	2016-2018	Michigan	September 16, 2015 through May 2, 2018
MKZ / MKZ Hybrid	2015-2017	Hermosillo	July 28, 2014 through September 5, 2017
MKC	2015-2017	Louisville	August 28, 2014 through August 29, 2017
Continental	2017	Flatrock	August 2, 2016 through August 22, 2017
MKX	2016-2017	Oakville	August 31, 2015 through September 29, 2017

Clarification: Program eligibility is dependent upon vehicle sale date and is not based on vehicle build date – See Complimentary Trial Period Detail below.

Affected vehicles are identified in OASIS and FSA VIN Lists.

New! REASON FOR THIS PROGRAM

The North America 3G cellular service began decommissioning in August 2021 and **a complete shutdown of the 3G network took place** in February 2022. Vehicles on the road equipped with a 3G telematics control unit (TCU) / embedded modem will lose mobile app functionality/connectivity. Some owners are still within the *complimentary trial period (depending on model year and brand, see table below) for connected services.

REASON FOR THIS PROGRAM (continued)

* Complimentary Trial Detail: VINs linked to the MyFord® Mobile / MyLincoln® Mobile App have a complimentary subscription that activated with vehicle sale date. The subscription requires complementary 3G mobile network connectivity, and it is subject to 3G network availability. Evolving technology/mobile networks may affect future functionality.

Vehicle	Model Year	Complimentary Trial Period
Ford	2014-2018	5 Years
Ford	2019	2 Years
Ford	2020	1 Year
Lincoln	2015-2017	4 Years

New! SERVICE ACTION

Per vehicle owner request and purchase of the 4G upgrade kit, Dealers are to replace the vehicle's 3G TCU / embedded modem with a 4G upgrade kit (4G TCU, antenna, cables, and mounting hardware), and use IDS level *126.04* or higher to complete the programmable module installation (PMI) process.

NOTE: Do not attempt 21B09 on C-MAX Energi vehicles at this time.

NOTE: Owners within the complimentary trial period will receive an owner notification letter *announcing the extension of the program to March 31, 2023. Owners will have the option to purchase the 4G upgrade kit, and 21B09 will cover labor/installation and any required one-time use parts*

NOTE: Owners outside of the complimentary trial period (VINs not under the 21B09 program) will not receive an owner letter but will still have the option to pay for both the labor and material costs for the 4G upgrade.

NOTE for Focus Electric Owners Only: Certain charge scheduling functionality (Preferred Charge Times) through the FordPass™ App is *now available for completed repairs* with an over the air update *or available to dealers with the latest software level for the TCU which is part of TCU upgrade process.*

New! OWNER NOTIFICATION MAILING SCHEDULE

Owner letters (non C-MAX vehicles) will be mailed the week of August 15, 2022 to announce the updated program extension and program terms.

2014-2017 C-MAX Energi owner letters will be mailed at a later date once the new software becomes available, which is expected 4th quarter 2022.

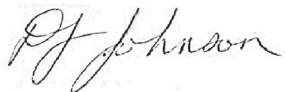
New! ATTACHMENTS

Attachment I: Administrative Information
Attachment II: Labor Allowances and Parts Ordering Information
Attachment III: Technical Information – Fusion Energi
Attachment IV: Technical Information – C-MAX Energi
Attachment V: Technical Information – Focus Battery Electric Vehicle (BEV)
Attachment VI: Technical Information – MKZ / MKZ Hybrid
Attachment VII: Technical Information – MKC
Attachment VIII: Technical Information – Continental
Attachment IX: Technical Information – MKX
Owner Notification Letters
Ford Owner Instruction
Lincoln Owner Instruction

QUESTIONS & ASSISTANCE

For questions and assistance, contact the Special Service Support Center (SSSC) via the SSSC Web Contact Site. The SSSC Web Contact Site can be accessed through the Professional Technician System (PTS) website using the SSSC link listed at the bottom of the OASIS VIN report screen or listed under the SSSC tab.

Sincerely,

A handwritten signature in black ink that reads "D. Johnson". The signature is written in a cursive style with a large initial "D" and a long, sweeping underline.

David J. Johnson

Customer Satisfaction Program 21B09 - Supplement #1
Certain 2014-2020 Model Year Multiple Vehicle Lines
3G Telematics Control Unit to 4G Upgrade Kit

OASIS ACTIVATION

OASIS was activated on November 03, 2021.

FSA VIN LISTS ACTIVATION

FSA VIN Lists were available through <https://web.fsavinlists.dealerconnection.com> on November 03, 2021. Owner names and addresses were available on December 03, 2021.

NOTE: Your FSA VIN Lists may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this program is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this service action.

SOLD VEHICLES

- Owners of all affected vehicles will be directed to dealers for repairs if they wish to prevent the loss of MyLincoln Mobile or MyFord Mobile service.
- **VINs under FSA 21B09:** Per owner request and agreement, upgrade vehicles using the 4G upgrade kit, as identified in OASIS which are brought to your dealership.
- **VINs NOT under FSA 21B09:** For other vehicles identified in OASIS but not under the complimentary trial period, inform owners of the 4G upgrade kit available per owner agreement and payment of material and installation costs.

STOCK VEHICLES

- FSA 21B09 is only for sold vehicles.
- Do not perform this service unless the informed owner requests repairs covered by this program.

VEHICLES WITH CANCELLED WARRANTIES

Vehicles with cancelled warranties are not eligible for this service action.

TITLE BRANDED / SALVAGED VEHICLES

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

OWNER REFUNDS

Refunds are not approved for this program.

RENTAL VEHICLES

Rental vehicles are not approved for this program.

LINCOLN PICKUP AND DELIVERY

Owners of 2017 MY and newer Lincoln vehicles have the option of requesting pickup and delivery service with a Lincoln loaner (up to 2 days), from their dealership. For details, reference EFC08708, 2021 Lincoln Pickup & Delivery Updates.

Customer Satisfaction Program 21B09 - Supplement #1
Certain 2014-2020 Model Year Multiple Vehicle Lines
3G Telematics Control Unit to 4G Upgrade Kit

ADDITIONAL REPAIR (LABOR TIME AND/OR PARTS)

Additional repairs identified as necessary to complete the FSA should be managed as follows:

- For related damage and access time requirements, refer to the Warranty and Policy Manual / Section 6 – Ford & Lincoln Program Policies / General Information & Special Circumstances for FSA's / Related Damage.
- For vehicles within new vehicle bumper-to-bumper warranty coverage, no SSSC approval is required, although related damage must be on a separate repair line with the "Related Damage" radio button checked.
 - Ford vehicles – 3 years or 36,000 miles
 - Lincoln vehicles – 4 years or 50,000 miles
- For vehicles outside new vehicle bumper-to-bumper warranty coverage, submit an Approval Request to the SSSC Web Contact Site prior to completing the repair.

CLAIMS PREPARATION AND SUBMISSION

- **Claim Entry:** Enter claims using Dealer Management System (DMS) or One Warranty Solution (OWS) online.
 - When entering claims:
 - Claim type 31: Field Service Action. The FSA number (21B09) is the sub code.
 - Customer Concern Code (CCC): A93 - Embedded Modem
 - Condition Code (CC): 42 - Does Not Operate Properly
 - Causal Part Number: 14G229
 - Part Quantity: 0
 - For additional claims preparation and submission information, refer to the Recall and Customer Satisfaction Program (CSP) Repairs in the OWS User Guide.
- **Related Damage/Additional labor and/or parts:** Must be claimed as Related Damage on a separate repair line from the FSA with same claim type and sub code as described in Claim Entry above.
IMPORTANT: Click the Related Damage Indicator radio button.
- **Lincoln Pickup & Delivery:** Claims for Lincoln Pickup & Delivery with a Lincoln loaner (up to 2 days) should be submitted on a separate line from the FSA. Refer to EFC08708, 2021 Lincoln Pickup & Delivery Updates for details.

Customer Satisfaction Program 21B09 - Supplement #1
Certain 2014-2020 Model Year Multiple Vehicle Lines
3G Telematics Control Unit to 4G Upgrade Kit

New! LABOR ALLOWANCES

Description	Labor Operation	Labor Time
Replace 3G TCU with 4G TCU Upgrade Kit and complete PMI Process to verify connectivity to 4G network using IDS version 126.04 or higher.		
- Continental with 40/20/40 Seats	21B09C	2.4 Hours
- Continental with 60/40 Seats	21B09D	1.9 Hours
- Focus Battery Electric	21B09E	1.1 Hours
- Fusion – Plug in Hybrid	21B09F	0.7 Hours
- MKC	21B09G	1.0 Hours
- MKX	21B09H	1.0 Hours
- MKZ /MKZ Hybrid	21B09J	0.8 Hours
Support Owner if requested for help with phone app.	21B09K	0.2 Hours

New! PARTS REQUIREMENTS / ORDERING INFORMATION

Order the 4G upgrade kit using the On-line **1878** form.

- FSA 21B09 kit is non-refundable and cannot be returned once ordered.
- **Before** ordering the 4G Upgrade Kit, confirm owner understands the program terms (**Owner Pays for Upgrade Kit Cost**) and the 4G Upgrade Kit will be installed on the VIN in question (customer will use FordPass™/Lincoln Way app with VIN).
- FCS Order process:
 1. Go to OASIS, enter the VIN and click **GO**
 2. Scroll to the bottom and select the On-Line **1878** / **ESG Order Site**
 3. Click on **Create Order** (1878 Form)
 4. Click on the drop-down arrow to select a System
 5. Enter **VIN** and “Engineering Part Number”
 6. Enter **Odometer** reading and select **Miles** or **Kilometers**
 7. Enter Reference **Repair Order Date** (Work Order Date) using calendar icon
 8. Click **Continue**
 9. Complete the on-line order form

NOTE: Your order is NOT complete until the system generates an “Order Number” (example: 1000xxxxxx)

DEALER PRICE

4G TCU and antenna kits will be supplied by FCS, and price(s) will be published on the FCS site at <https://www.fesg.dealerconnection.com/FESGOrderApplicationStrutsWeb/createOrderStep3NewPost.do>

NOTE: Vehicle Owners to pre-pay for FSA 21B09 material (4G upgrade kit) only.

Customer Satisfaction Program 21B09 - Supplement #1
 Certain 2014-2020 Model Year Multiple Vehicle Lines
 3G Telematics Control Unit to 4G Upgrade Kit

New! PARTS REQUIREMENTS / ORDERING INFORMATION (continued)

Part Number	Description	Order Quantity	Claim Quantity
<i>AMMU7J A00A25 AA</i>	<i>MKX – 4G Upgrade Kit</i>	<i>1*</i>	<i>0</i>
AMMU7J A00A25 BA	Focus Battery Electric – 4G Upgrade Kit	1*	0
AMMU7J A00A25 CA	Fusion – Plug in Hybrid – 4G Upgrade Kit	1*	0
AMMU7J A00A25 DA	MKZ / MKZ Hybrid – 4G Upgrade Kit	1*	0
AMMU7J A00A25 EA	MKC / Continental – 4G Upgrade Kit	1*	0
<i>C-MAX - NOT Orderable at this time</i>	<i>C-MAX – 4G Upgrade Kit New Part - NOT ORDERABLE at this time; Estimated availability 4th qtr. 2022.</i>	<i>N/A</i>	<i>0</i>

*Part Number will only allow **customer pay option**.

Order your parts through FCS normal order processing channels. To guarantee the shortest delivery time, an emergency order for parts must be placed.

New! PARTS REQUIREMENTS / ORDERING INFORMATION – One-time Use Parts Per Vehicle

Part Number	Description	Order Quantity	Claim Quantity
<i>W716300-S450B</i>	<i>2016-2017 MKX Right-hand Rear Seat Backrest Nuts – (4 per pkg., 2 nuts req'd.)</i>	<i>1 As Needed</i>	<i>2</i>
<i>DP5Z-5452019</i>	<i>2015-2016 MKZ Left-hand C-pillar Upper Trim Panel – order using the Ford Parts Catalog with the VIN to confirm full part number.</i>	<i>1 As Needed</i>	<i>1</i>
<i>DS7Z-7831013</i>	<i>2013-2016 Fusion Energi Left-hand C-pillar Upper Trim Panel – order using the Ford Parts Catalog with the VIN to confirm full part number.</i>	<i>1 As Needed</i>	<i>1</i>
<i>W715667-S439</i>	<i>2013-2016 Fusion Energi Left-hand D-pillar 2-stage Retaining Clip – 4/pkg., 1 clip required</i>	<i>1 As Needed</i>	<i>1</i>

New! SERVICE PART WARRANTY PART INFORMATION – Order Only If Needed

NOTE: If diagnostics leads to a failed 4G TCU or antenna, individual parts are available for replacement in lieu of ordering another 4G upgrade kit.

Part Number	Description
<i>HJ5T-14G087-UM</i>	<i>4G TCU – All Vehicles – order from FCS via 1878 form</i>
<i>NL1Z-19A390-A</i>	<i>4G Antenna – All Vehicles – normal parts ordering process</i>

New! PARTS RETENTION, RETURN, & SCRAPPING

FCS no longer requires a core return of the 3G TCU.

Customer Satisfaction Program 21B09 - Supplement #1

Certain 2014-2020 Model Year Multiple Vehicle Lines

3G Telematics Control Unit to 4G Upgrade Kit

REPLACED FSA PARTS INSPECTION AND SIGN OFF


Effective March 1st 2021 all parts replaced as part of an FSA repair with a repair order open date of March 1st 2021 or later must be inspected and signed off on the repair order by a member of your dealers fixed operations management team or an employee the task has been delegated to. If the task is to be delegated to a non-management employee, the employee needs to be someone other than the technician who completed the repair and needs to understand the importance of completing this task consistently and accurately.

- Inspect the replaced parts to verify the FSA repair was completed.
- If the FSA repair is found to be complete, the designated employee signs the repair order line or parts return stamp area (electronic or hand signed) for the FSA repair indicating the parts were inspected and validated to have been replaced.
- This process is subject to review during warranty audits for FSA repairs with a repair order open date of March 1st 2021 or later. Any eligible FSA claims requiring parts replacement, found not to have been inspected and signed off during a warranty audit will be subject to chargeback and consideration for enrollment into the Dealer Incomplete Recall Repair Process.

NOTE: Other approvals (electronic or handwritten) for add-on repair lines, dealer owned vehicle repairs, and repeat repairs do not qualify as FSA parts inspection approvals. The post repair FSA parts inspection process (electronic or handwritten) is independent from other warranty approval requirements. The approval by the designated employee implies that the FSA parts were found to be replaced and must be able to be clearly identified on the Repair Order. If multiple FSA's require approval on a single Repair Order, each applicable occurrence will require individual post repair approval by the designated employee.

CERTAIN 2014-2020 MODEL YEAR MULTIPLE VEHICLE LINES - 3G TELEMATICS CONTROL UNIT TO 4G UPGRADE KIT

NEW! SERVICE PROCEDURE - C-MAX ENERGI

 **IMPORTANT:** *2014-2017 C-MAX Energi vehicles are unable to have a 4G upgrade kit installed at this time. A different telematics control unit (TCU) software version will be required for these vehicles which is planned to be available mid-to-late third quarter, 2022.*

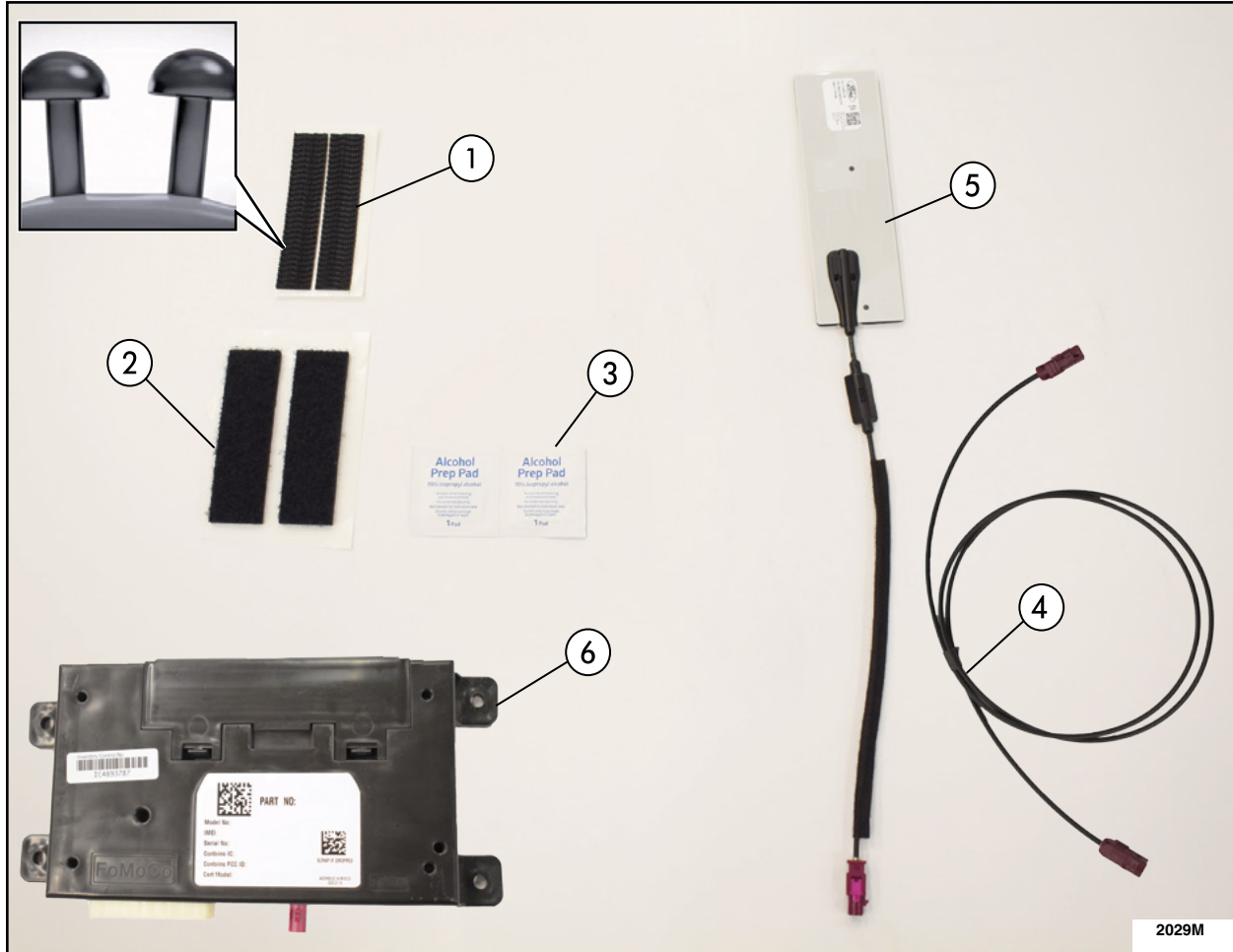
- **DO NOT** attempt 21B09 on any C-MAX vehicle at this time.
- A supplement is planned when software will be available.
- C-MAX VINs will be added to the program with the supplement once software is available.
- The C-MAX- 4G Upgrade Kit is **NOT** orderable at this time. A new part number will be available 4th quarter 2022 for C-MAX.



CERTAIN 2014-2020 MODEL YEAR MULTIPLE VEHICLE LINES — 3G TELEMATICS CONTROL UNIT TO 4G UPGRADE KIT

NEW! SERVICE PROCEDURE - Continental

Kit contents



ITEM	DESCRIPTION	QUANTITY
1	Dual Lock™ (Rough)	1
2	Loop Side (Soft)	1
3	Alcohol Prep Wipe	2
4	Coaxial Extension Cable	1
5	4G Antenna	1
6	4G Telematics Control Unit (TCU)	1



NOTE: Upload the 3G module configuration information to the scan tool prior to removing the 3G module. This information must be downloaded into the new module after installation. This step **CANNOT** be done with manual entry of as-built data.

1. Please follow the Workshop Manual (WSM) procedures in Section 415-00B which includes the PMI process and then the removal of the Telematics Control Unit Module (TCU).
 - Using IDS version 126.04 or higher.
 - Requires IDS to be connected to the Internet which is unique to this procedure.

NOTE: Be cautious of the wiring behind the D-pillar trim panel. See Figure 1.

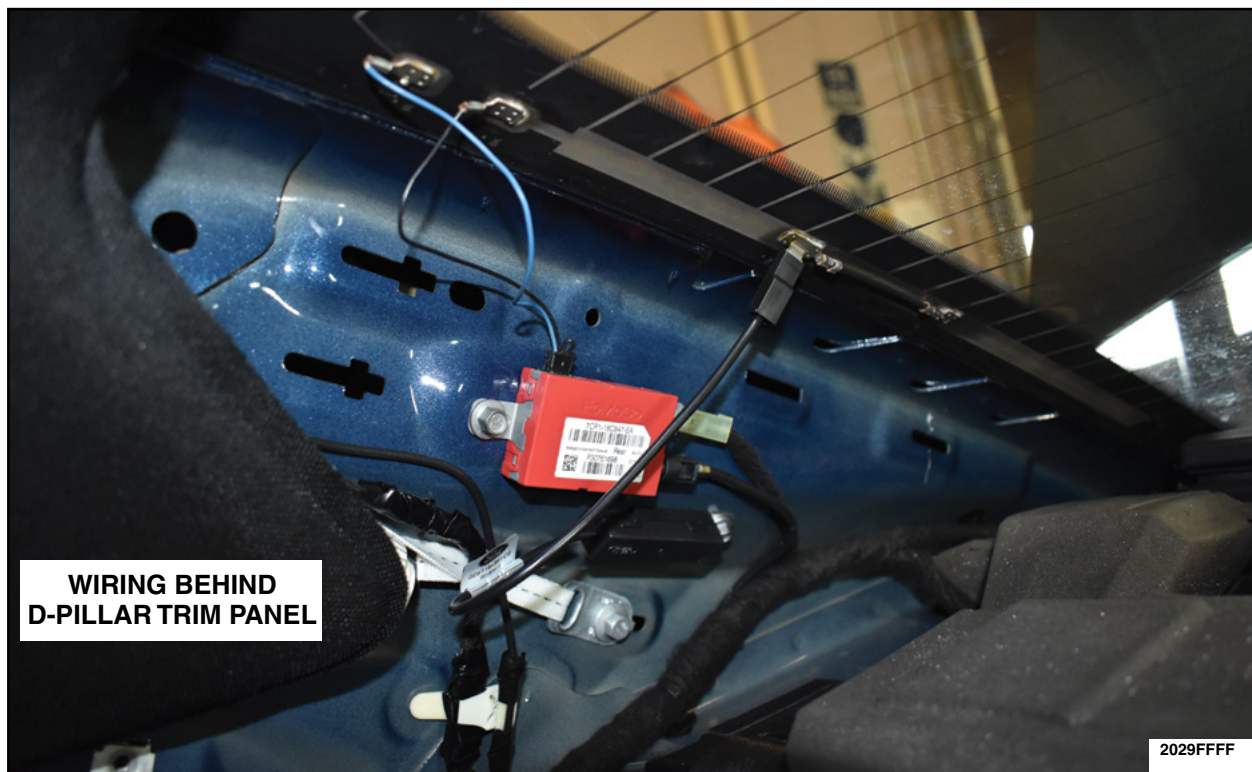


FIGURE 1

2. Remove the parcel shelf. Please follow the WSM procedure in Section 501-05.



3. Install the *new* 4G antenna. See Figure 2.

- a. Clean the area on the parcel shelf first with a clean lint free rag in the highlighted area (larger than installation).
- b. Clean the area on the parcel shelf with supplied alcohol prep wipe and allow a 30 second dry time.
- c. Remove the antenna backing.
- d. Apply antenna to the parcel self as shown below.
- e. With firm evenly applied thumb pressure from center outward, work out air bubbles to ensure good adherence of the antenna.
- f. Remove the cable strain-relief backing.
- g. Align the antenna's cable strain-relief in the position shown below and apply firm pressure.

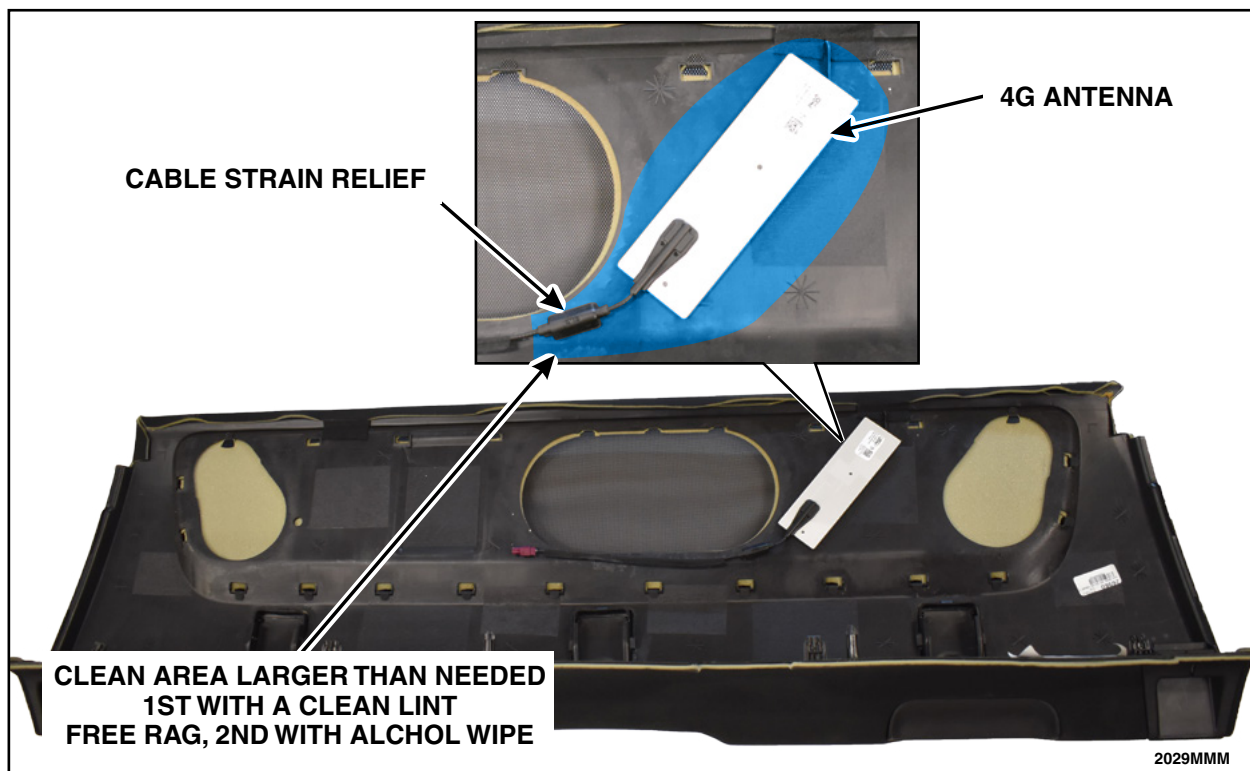


FIGURE 2



4. Route the coaxial extension cable from the center of the parcel shelf area through the hole in the LH side of the parcel shelf area into the loadspace of the vehicle. See Figure 3.



FIGURE 3

5. Install the parcel shelf. Please follow the WSM procedures in Section 501-05.

NOTE: Connect the 4G antenna to the coaxial extension cable during parcel shelf install. See Figure 4.

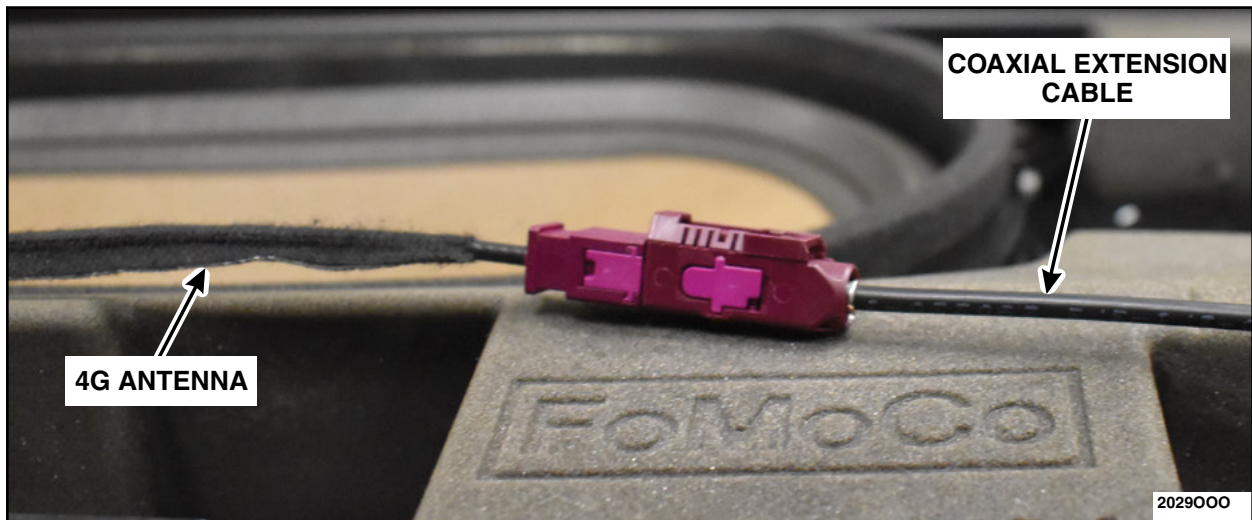


FIGURE 4



6. Remove the TCU mounting bracket studs. See Figure 5.

- Using a pair of pliers, rotate each stud one quarter of a turn.
- Remove and discard all four studs.

NOTE: Bracket shown out of vehicle for clarity.

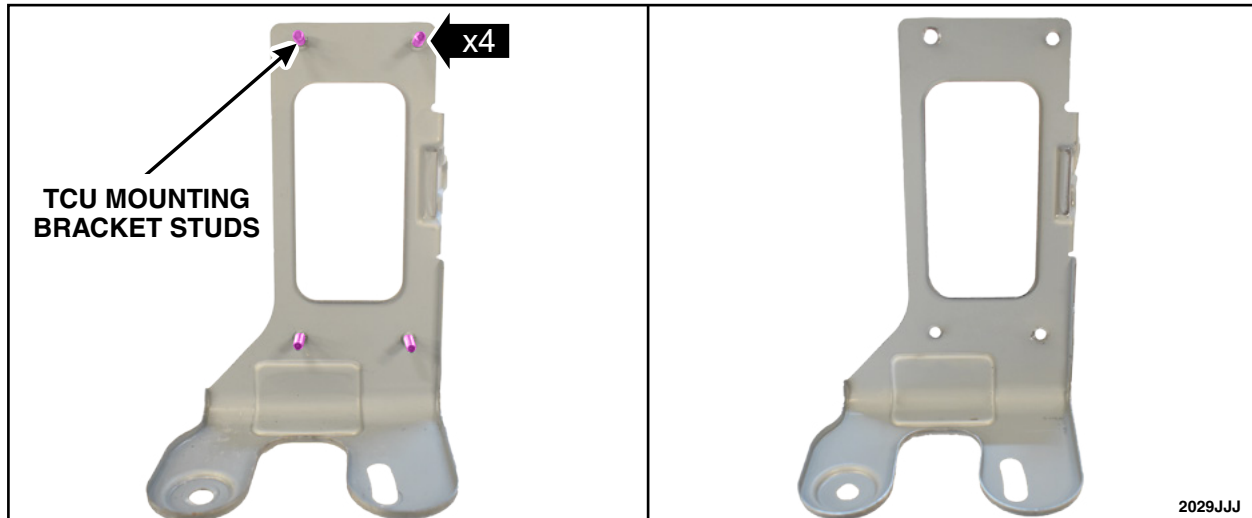


FIGURE 5

7. Clean the mounting bracket and apply loop strips. See Figure 6.

- a. Clean the mounting bracket inside the vehicle first with a clean lint free rag.
- b. Clean the mounting bracket with supplied alcohol prep wipe and allow a 30 second dry time.
- c. Remove the backing of the loop strips and apply it to the mounting bracket over the stud holes.
- d. Fully work out the air bubbles underneath the strip with a circular rubbing motion to ensure proper adhesion.

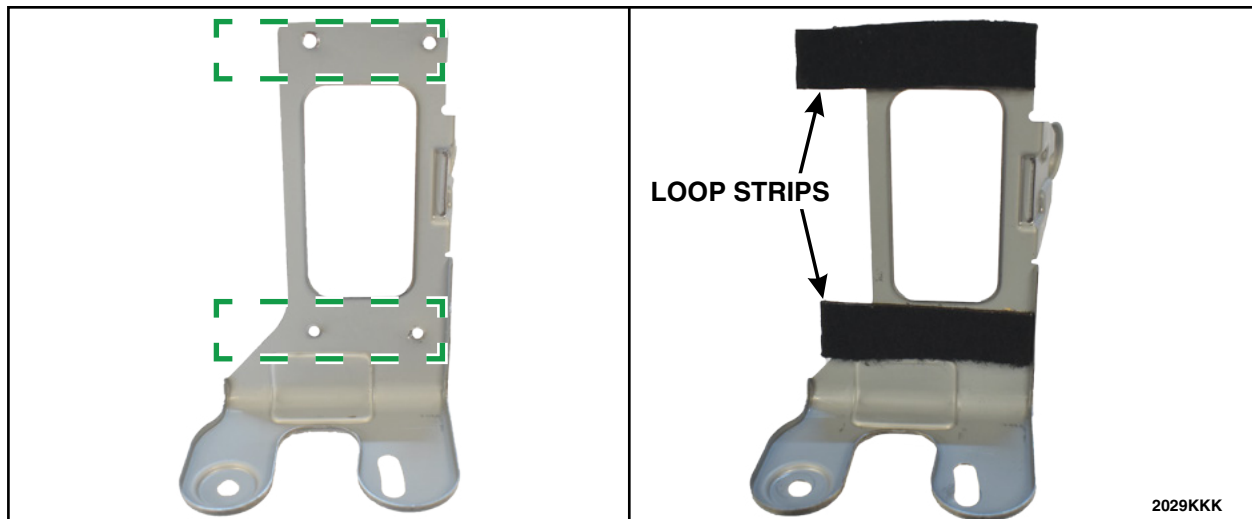


FIGURE 6



8. TCU Preparation. See Figure 7.

- a. Using a kit supplied alcohol prep wipe, clean the metal surface of the TCU module and allow the module to dry 30 seconds.
- b. Remove the backing of the Dual Lock™ strips (rough).
- c. Apply the Dual Lock™ strips to each end of the 4G TCU module by aligning the tops and edge of the strips to the edges of the TCU.
- d. Fully work out the air bubbles underneath the strips with a circular rubbing motion to ensure proper adhesion.

NOTE: Do not cover the heat sinks on the back of the TCU module.

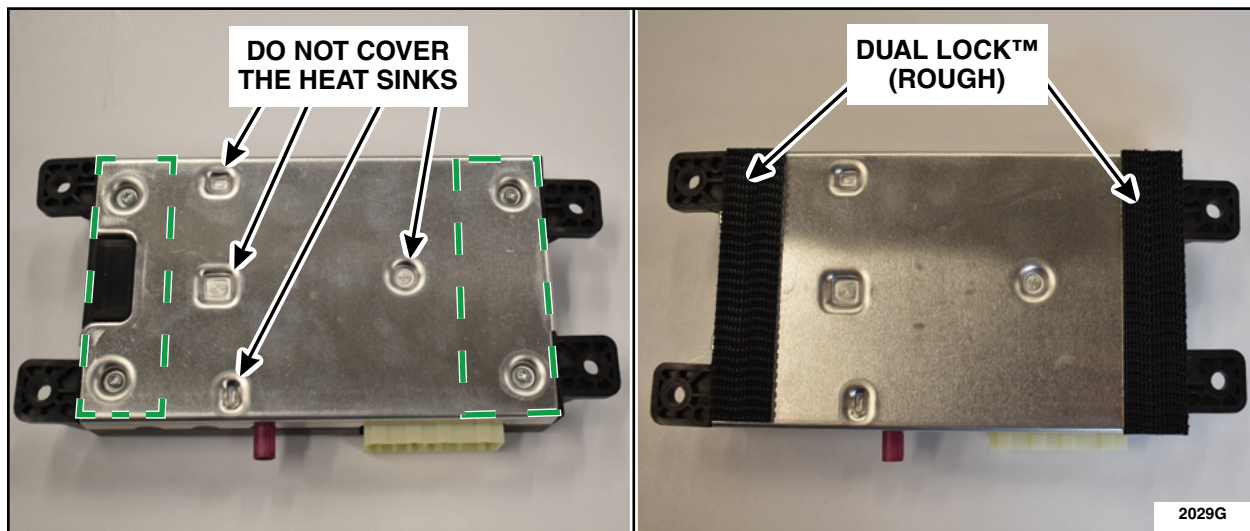


FIGURE 7



9. Install the 4G TCU. See Figure 8.

- a. Orient with electrical connection to the left.
- b. Ensure Dual Lock™ and loop are fully seated by firmly pressing module in place with a slight rotation to engage Dual Lock™ into the loop.
- c. Connect the electrical connector.
- d. Connect the coaxial extension cable to the 4G TCU.

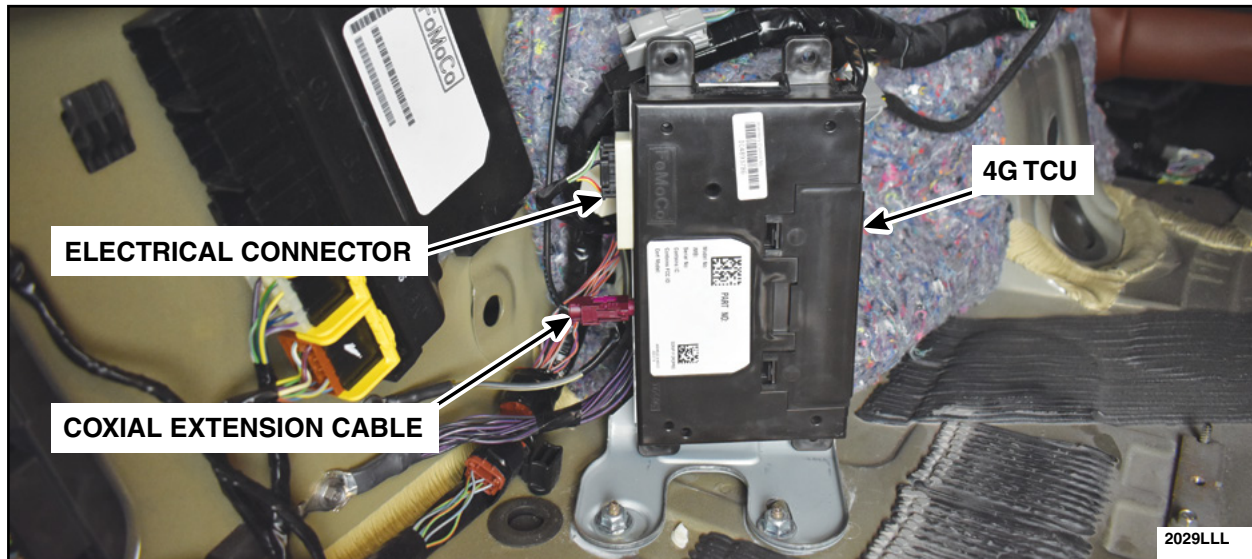


FIGURE 8

10. Install the LH loadspace trim panel. Please follow the WSM procedures in Section 501-05.

11. Finish the PMI process using IDS *that is connected to the Internet*.

12. Turn valet mode ON and then back OFF (for vehicles with an 6-inch or larger display touch screens).

a. Enable valet mode in the infotainment display screen.

- *Valet mode is found by going to "Settings > Vehicle > Valet Mode" or "Settings > Valet Mode".*

- *Complete the prompts and enter PIN 3681 to complete "enable valet mode".*

- *PIN 3681 may need to be entered multiple times during this step.*

b. Enable valet mode to ON.

c. Turn the key-OFF, allowing the vehicle display to power down fully during the key cycle.

d. Turn the key-ON.

e. Disable (turn OFF) valet mode on the infotainment display screen.

- *Complete the prompts and enter PIN 3681 to complete "disable valet mode".*

f. Turn the key-OFF, allowing the vehicle display to power down fully during the key cycle.



13. Vehicle is now ready for the customer to connect their phone using the appropriate app at (FordPass or Lincoln Way).

- *Please have the Customers do this step at the dealership to ensure success.*

14. Additional **Customer Owner Instructions For App** are available in PTS/FMC Dealer as separate attachments to this bulletin.

- *Have Customer **Activate Vehicle** following the app instructions.*
- *Select **Allow** on vehicle display screen pop-up.*

NOTE: *If "Allow" popup screen doesn't display, repeat the Valet mode Enable/Disable procedure in Step 12.*

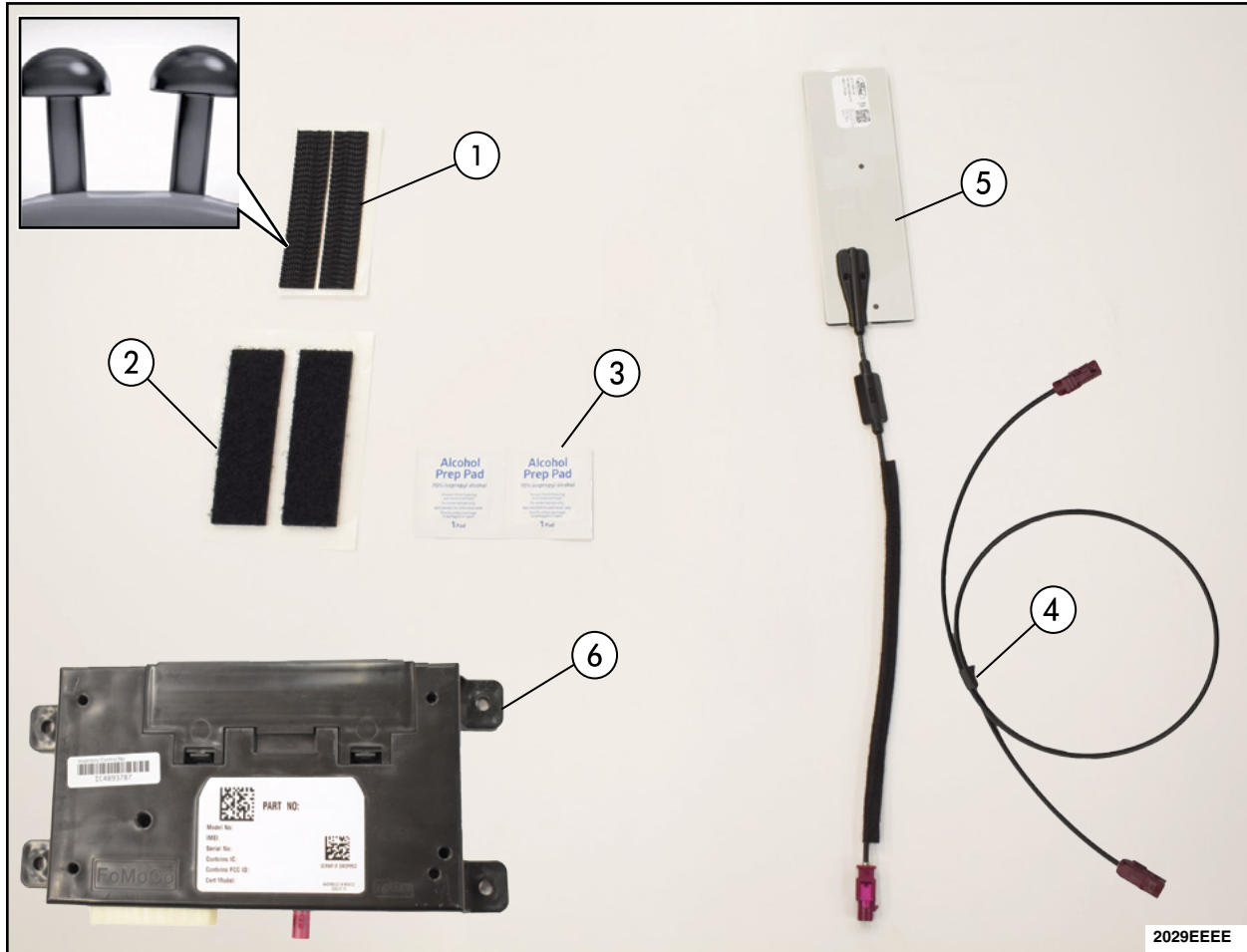
IMPORTANT NOTE: Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall. Unless a part is requested to be returned to Ford, all parts replaced under this FSA must be scrapped in accordance with all applicable local, state and federal environmental protection and hazardous material regulations. Refer to the Parts Retention, Return, & Scrapping section of the FSA dealer bulletin for further information.



Certain 2014-2020 Model Year Multiple Vehicle Lines — 3G Telematics Control Unit to 4G Upgrade Kit

NEW! SERVICE PROCEDURE - FOCUS Battery Electric Vehicle (BEV)

Kit contents



ITEM	DESCRIPTION	QUANTITY
1	Dual Lock™ (Rough)	1
2	Loop Side (Soft)	1
3	Alcohol Prep Wipe	2
4	Coaxial Extension Cable	1
5	4G Antenna	1
6	4G Telematics Control Unit (TCU)	1



NOTE: Upload the 3G module configuration information to the scan tool prior to removing the 3G module. This information must be downloaded into the new module after installation. This step **CANNOT** be done with manual entry of as-built data.

1. Please follow the Workshop Manual (WSM) procedures in Section 415-00B which includes the PMI process and then the removal of the Telematics Control Unit Module (TCU).

- Using IDS version 126.04 or higher.
- Requires IDS to be connected to the Internet which is unique to this procedure.

2. Reroute the TCU electrical connector. See Figure 1.

- Disconnect the wire harness push pin.
- Route the TCU electrical connector behind the wiring harness so it routes out the top.
- Reconnect the wire harness push pin.

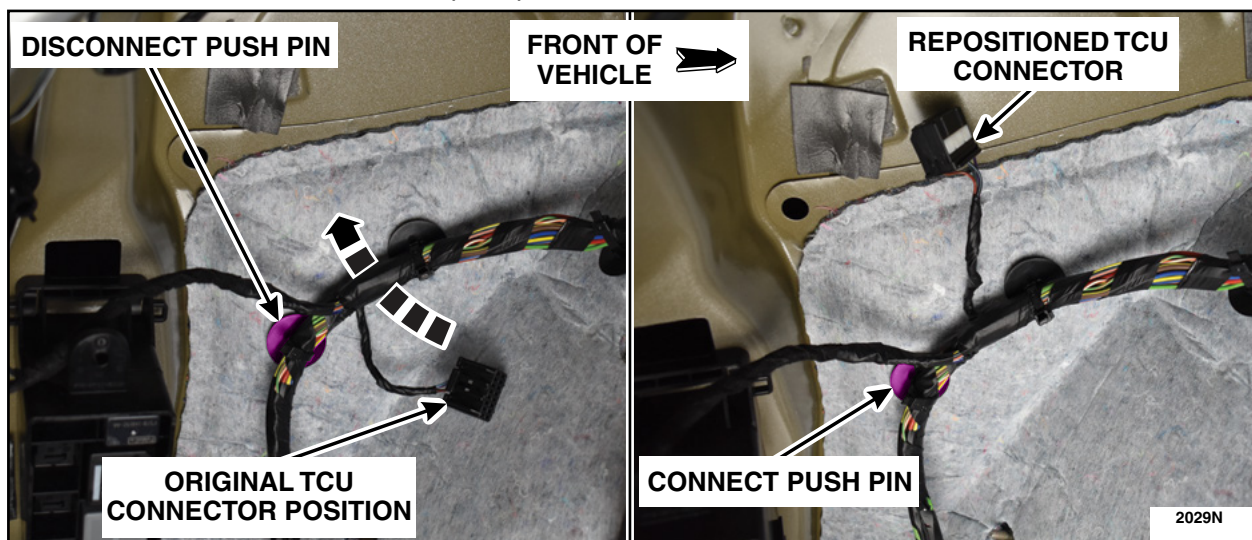


FIGURE 1



3. Fold back the Left Hand (LH) C-pillar foam pad and secure it with a piece of tape. See Figure 2.

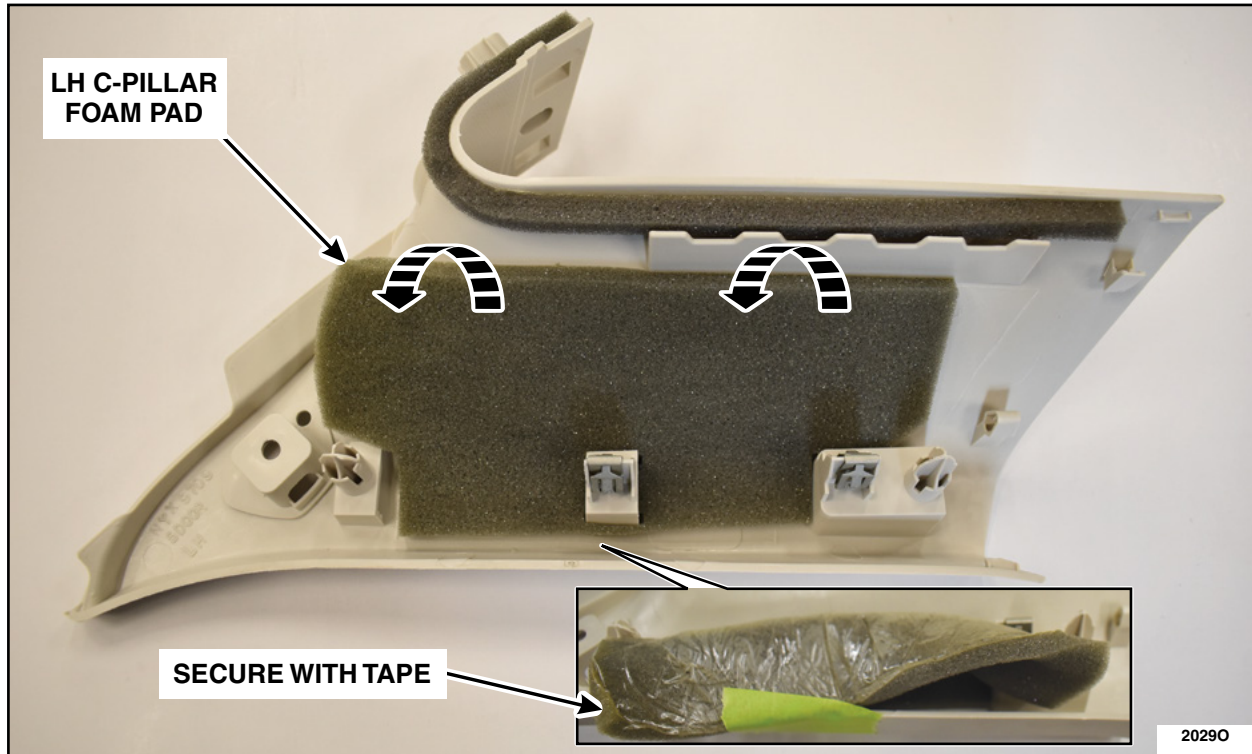


FIGURE 2

4. Clean the highlighted area. See Figure 3.

- a. Using a clean lint free shop rag, remove any dirt or dust.
- b. Clean the highlighted area with the supplied alcohol prep wipe.
- c. Allow a 30 second dry time.



FIGURE 3



5. Install the *new* 4G antenna. See Figure 4.

- a. Remove the antenna backing.
- b. Apply antenna to the LH C-pillar surface.
- e. With firm evenly applied thumb pressure from center outward, work out air bubbles to ensure good adherence of the antenna.
- c. Remove the cable strain-relief backing.
- d. Align the antenna's cable strain-relief to the location show on the LH C-pillar trim panel.

NOTE: It is acceptable for the antenna to follow the curvature of the LH C-pillar trim panel.

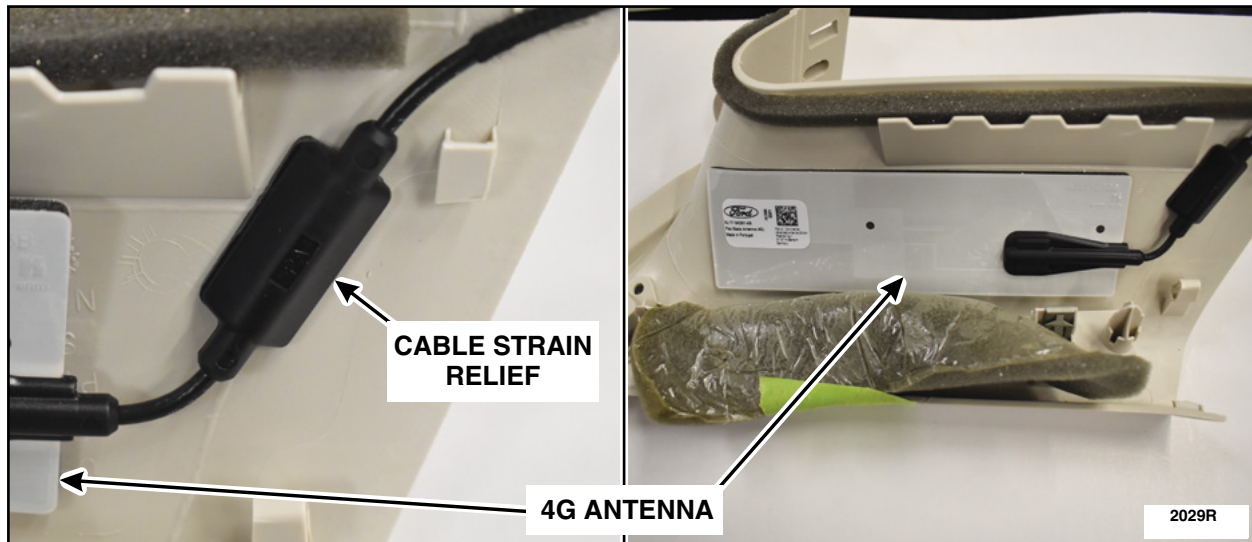


FIGURE 4

6. Remove the tape and position back the LH C-pillar foam pad. See Figure 5.

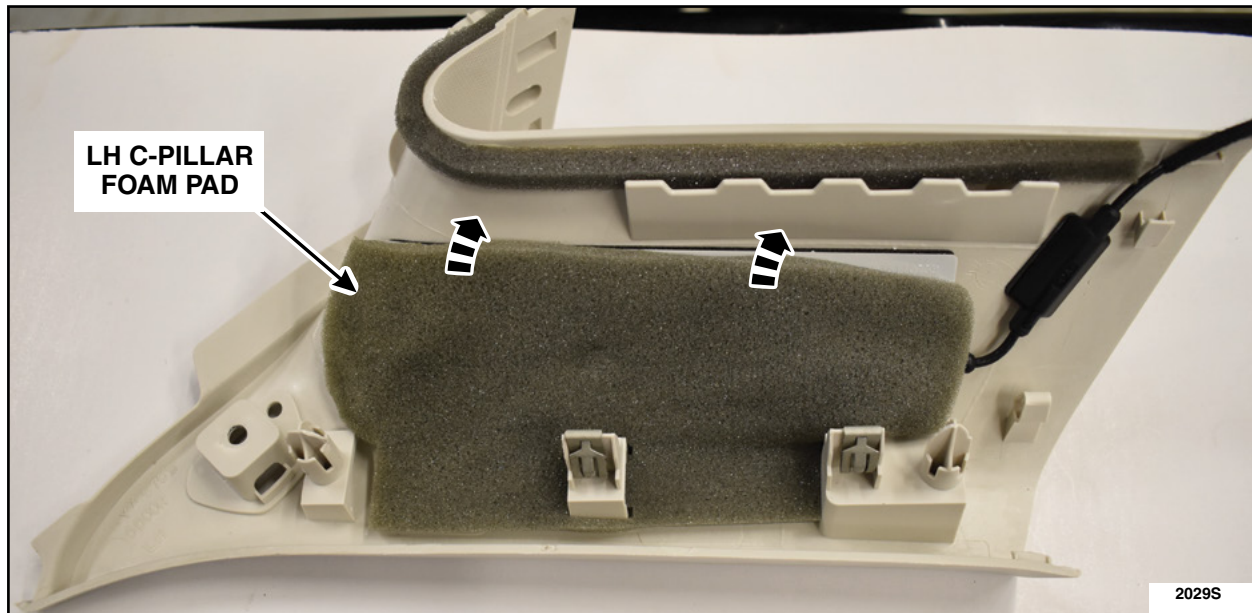


FIGURE 5



7. On a work surface, connect the LH C-pillar to the LH loadspace trim panel. Route the antenna coaxial cable as shown down to the loadspace trim and secure using a piece of tape. See Figure 6.

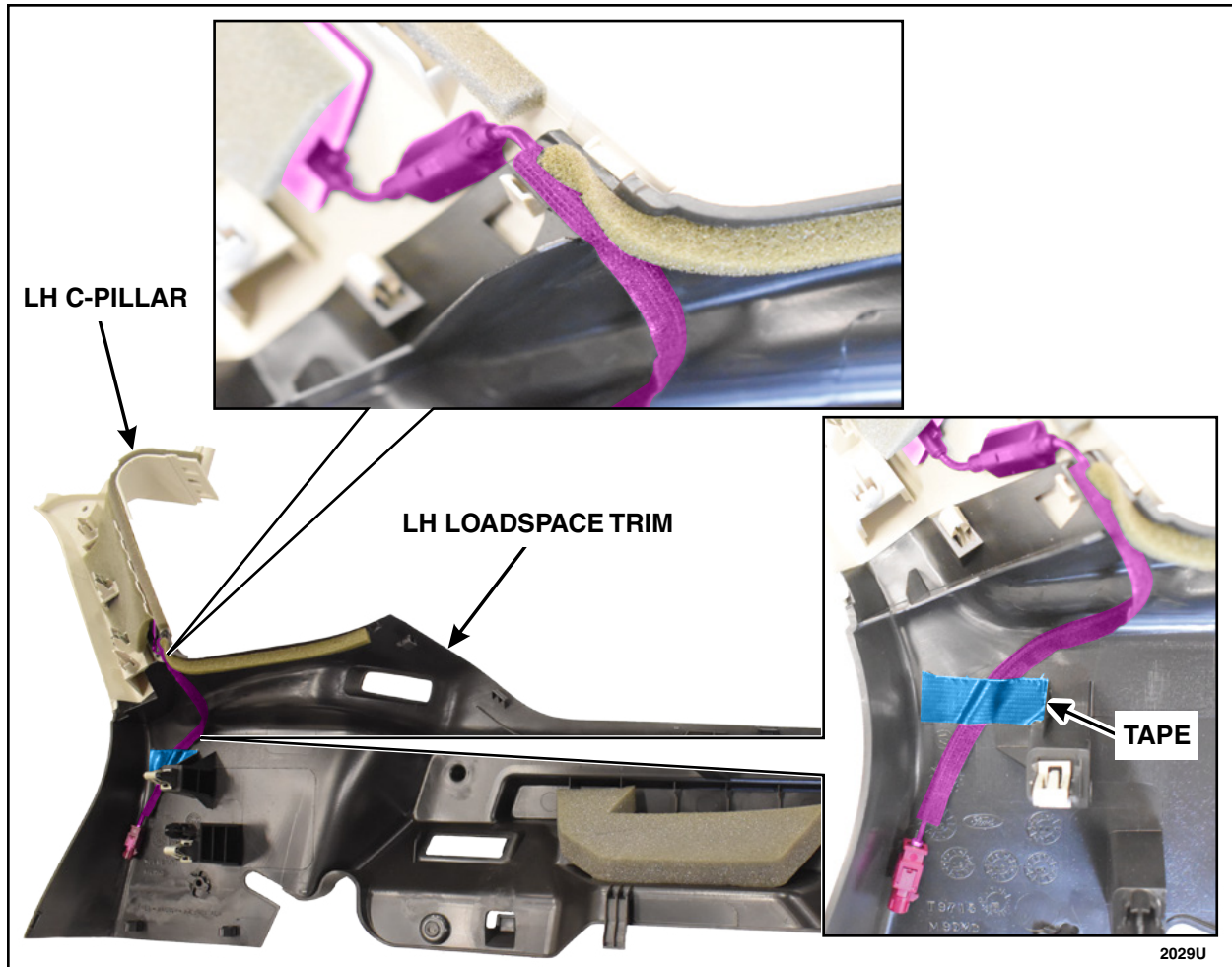


FIGURE 6



8. Temporarily place the 4G TCU in the position shown. Using a marker, mark the edges of the TCU onto the sheet metal of the vehicle. See Figure 7. Remove the TCU from the vehicle and place it on a bench metal side up.

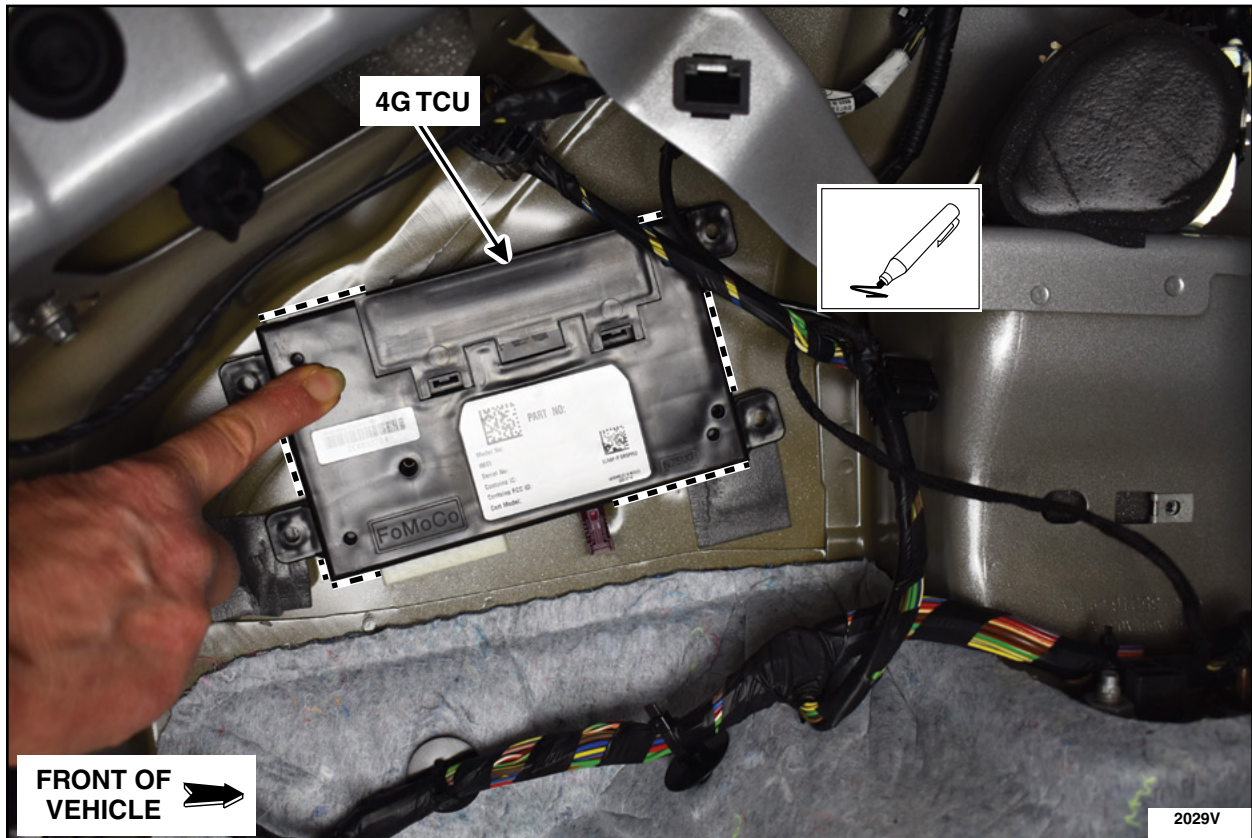


FIGURE 7



9.TCU Preparation. See Figure 8.

- a. Using a kit supplied alcohol prep wipe, clean the metal surface of the TCU module and allow the module to dry 30 seconds.
- b. Remove the backing of the Dual Lock™ strips (rough).
- c. Apply the Dual Lock™ strips to each end of the 4G TCU module by aligning the tops and edge of the strips to the edges of the TCU.
- d. Fully work out the air bubbles underneath the strips with a circular rubbing motion to ensure proper adhesion.

NOTE: Do not cover the heat sinks on the back of the TCU module.

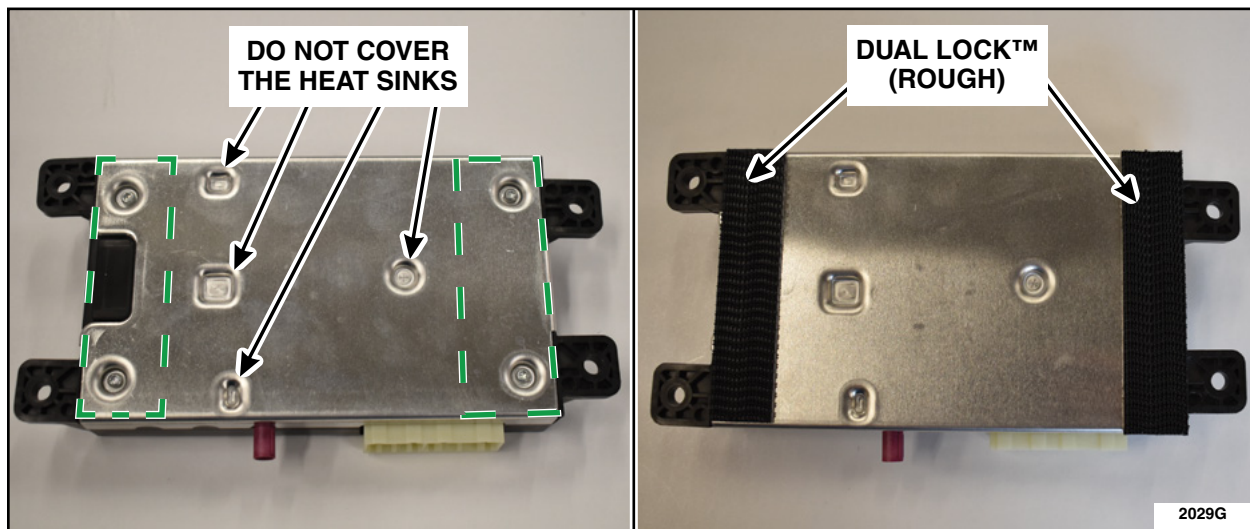


FIGURE 8



10. Clean the surface and apply loop strip. See Figure 9.

- a. Clean the area marked inside the vehicle first with a clean lint free rag.
- b. Clean the marked area with supplied alcohol prep wipe.
- c. Remove the backing of the loop strips and apply it to the vehicle inside the marked location towards the front of the vehicle.
- d. Fully work out the air bubbles underneath the strip with a circular rubbing motion to ensure proper adhesion.

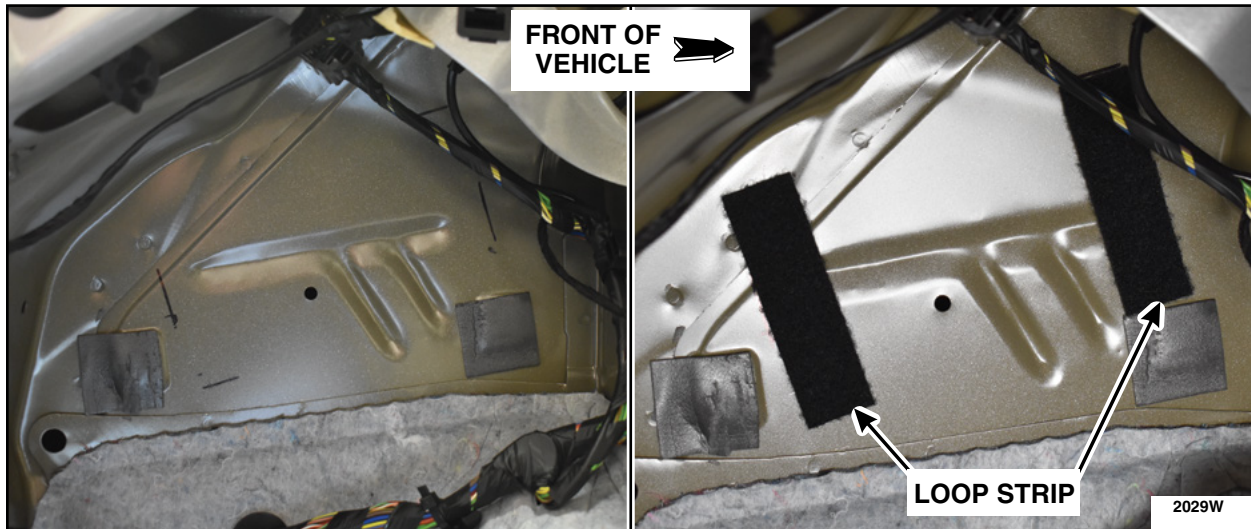


FIGURE 9



11. Install the 4G TCU. See Figure 10.

- a. Orient with electrical connection at bottom.
- b. Ensure Dual Lock™ and loop are fully seated by firmly pressing module in place with a slight rotation to engage Dual Lock™ into the loop.



FIGURE 10



12. Connect the electrical connector. See Figure 11.

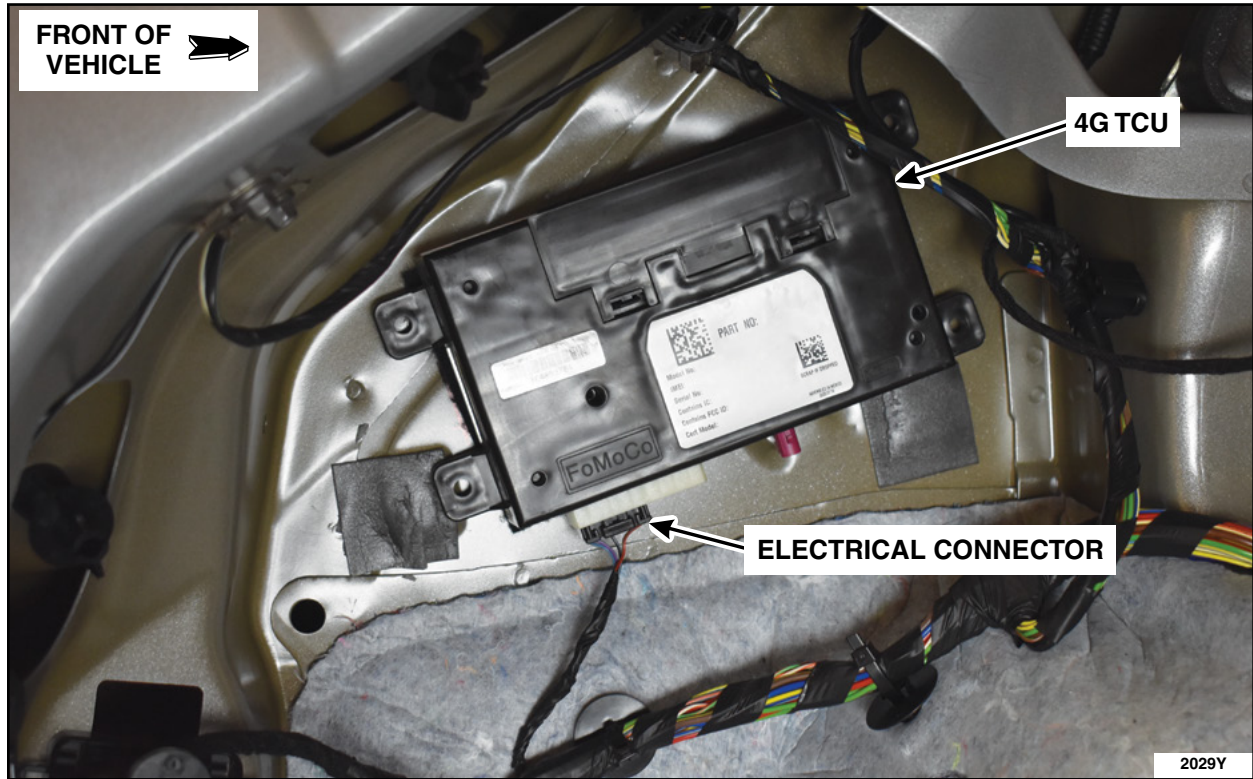


FIGURE 11



13. Connect the coaxial extension cable to the 4G TCU. See Figure 12.

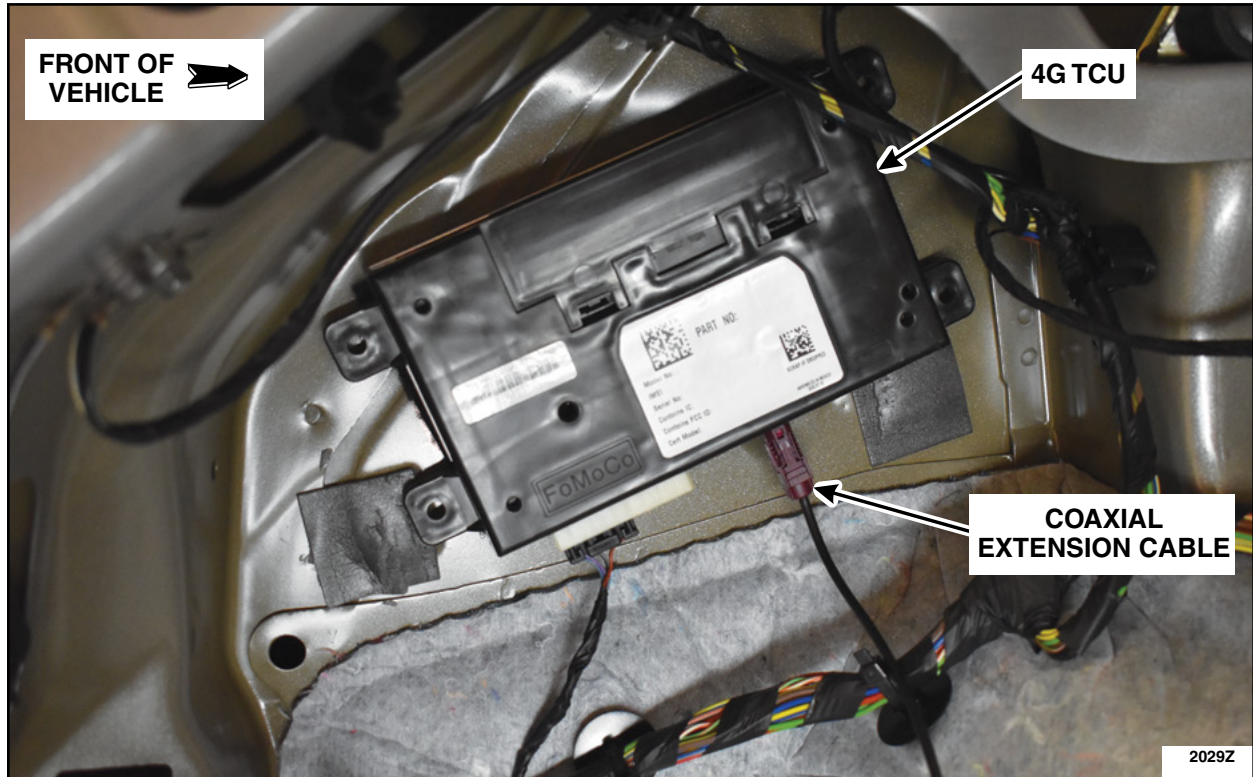


FIGURE 12



14. Route the coaxial extension cable along the body wiring harness until you reach the seat belt. Pass the coax cable extension behind the body wiring harness. See Figure 13.

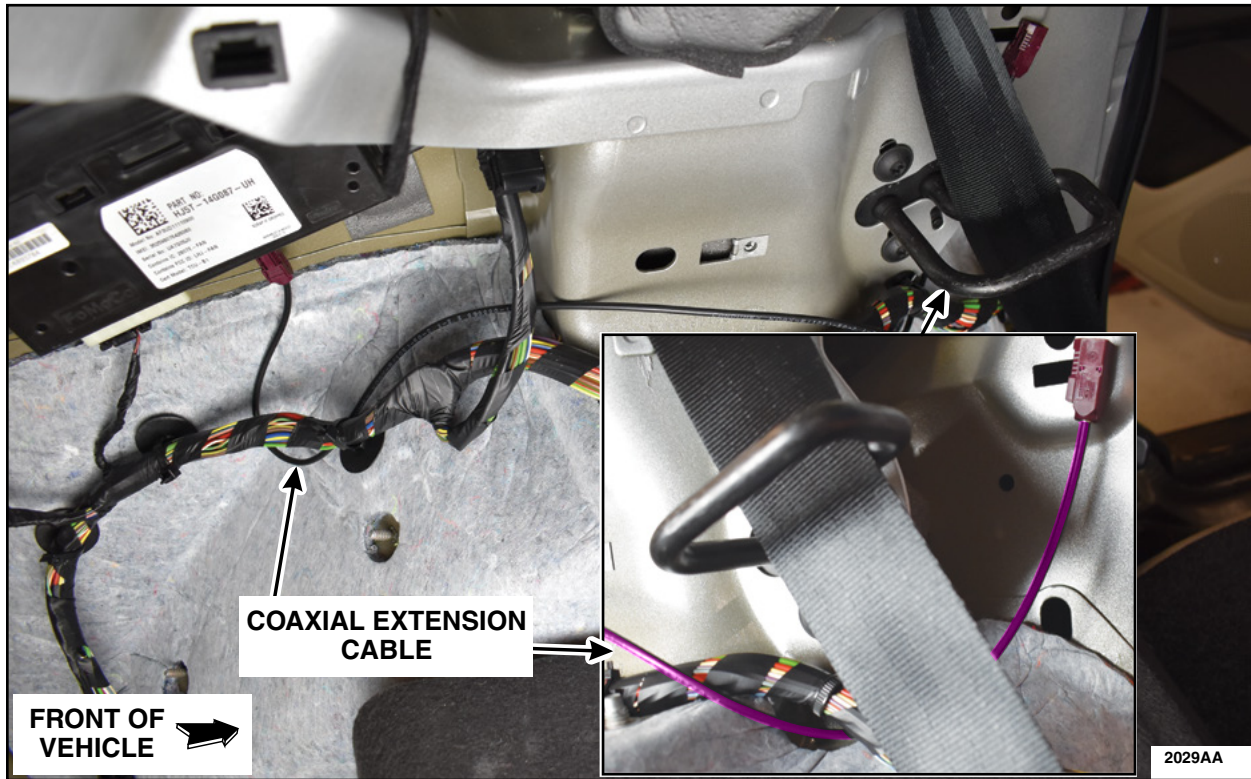


FIGURE 13

15. Connect the coaxial extension cable to the antenna then install the loadspace trim and the upper C-pillar trim panel as an assembly. See Figure 14.

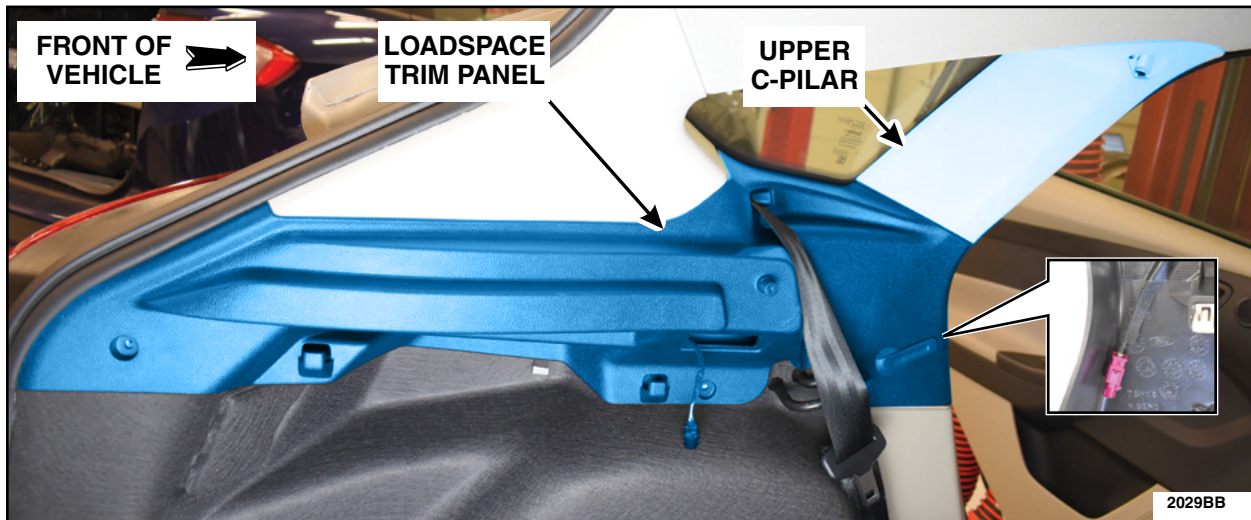


FIGURE 14



16. Finish the PMI process using IDS *that is connected to the Internet*.

17. Turn valet mode **ON** and then back **OFF** (for vehicles with an 6-inch or larger display touch screens).

a. Enable valet mode in the infotainment display screen.

- Valet mode is found by going to "**Settings > Vehicle > Valet Mode**" or "**Settings > Valet Mode**".
- Complete the prompts and enter PIN **3681** to complete "enable valet mode".
- PIN 3681 may need to be entered multiple times during this step.

b. Enable valet mode to **ON**.

c. Turn the key-**OFF**, allowing the vehicle display to power down fully during the key cycle.

d. Turn the key-**ON**.

e. Disable (turn **OFF**) valet mode on the infotainment display screen.

- Complete the prompts and enter PIN 3681 to complete "disable valet mode".

f. Turn the key-**OFF**, allowing the vehicle display to power down fully during the key cycle.

18. Vehicle is now ready for the customer to connect their phone using the appropriate app at (FordPass or Lincoln Way).

- Please have the Customers do this step at the dealership to ensure success.

19. Additional **Customer Owner Instructions For App** are available in PTS/FMC Dealer as separate attachments to this bulletin.

- Have Customer **Activate Vehicle** following the app instructions.
- Select **Allow** on vehicle display screen pop-up.

NOTE: If "Allow" popup screen doesn't display, repeat the Valet mode Enable/Disable procedure in Step 17.

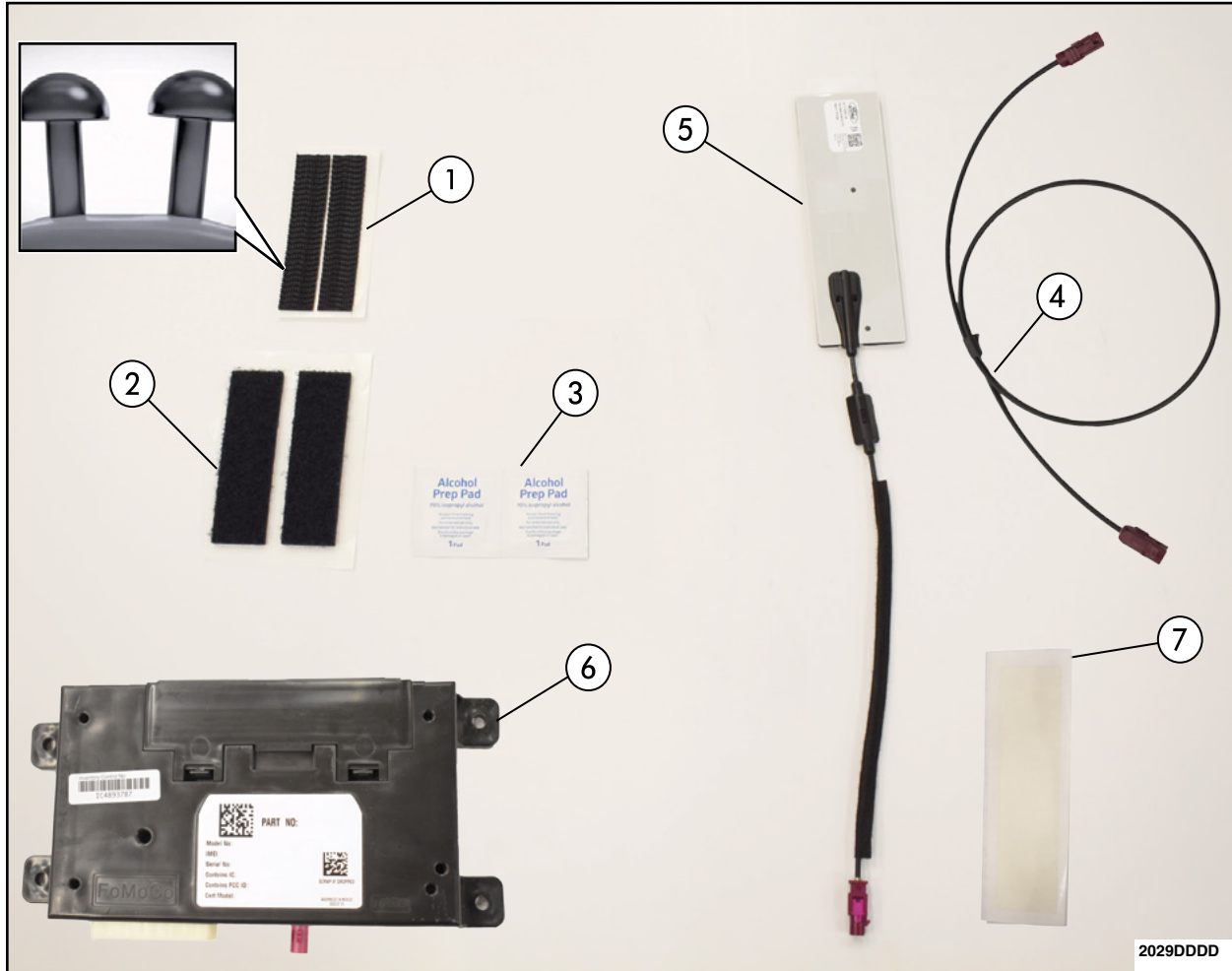
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CERTAIN 2014-2020 MODEL YEAR MULTIPLE VEHICLE LINES - 3G TELEMATICS CONTROL UNIT TO 4G UPGRADE KIT

NEW! SERVICE PROCEDURE - FUSION ENERGI

Kit contents



ITEM	DESCRIPTION	QUANTITY
1	Dual Lock™ (Rough)	1
2	Loop Side (Soft)	1
3	Alcohol Prep Wipe	2
4	Coaxial Extension Cable	1
5	4G Antenna	1
6	4G Telematics Control Unit (TCU)	1
7	PET Tape	1



NOTE: Upload the 3G module configuration information to the scan tool prior to removing the 3G module. This information must be downloaded into the new module after installation. This step **CANNOT** be done with manual entry of as-built data.

1. Please follow the Workshop Manual (WSM) procedures in Section 415-00B which includes the PMI process and then the removal of the Telematics Control Unit Module (TCU).

- Using IDS version 126.04 or higher.
- Requires IDS to be connected to the Internet which is unique to this procedure.

2. Remove and discard the two foam blocks and white plastic inserts. See Figure 1.

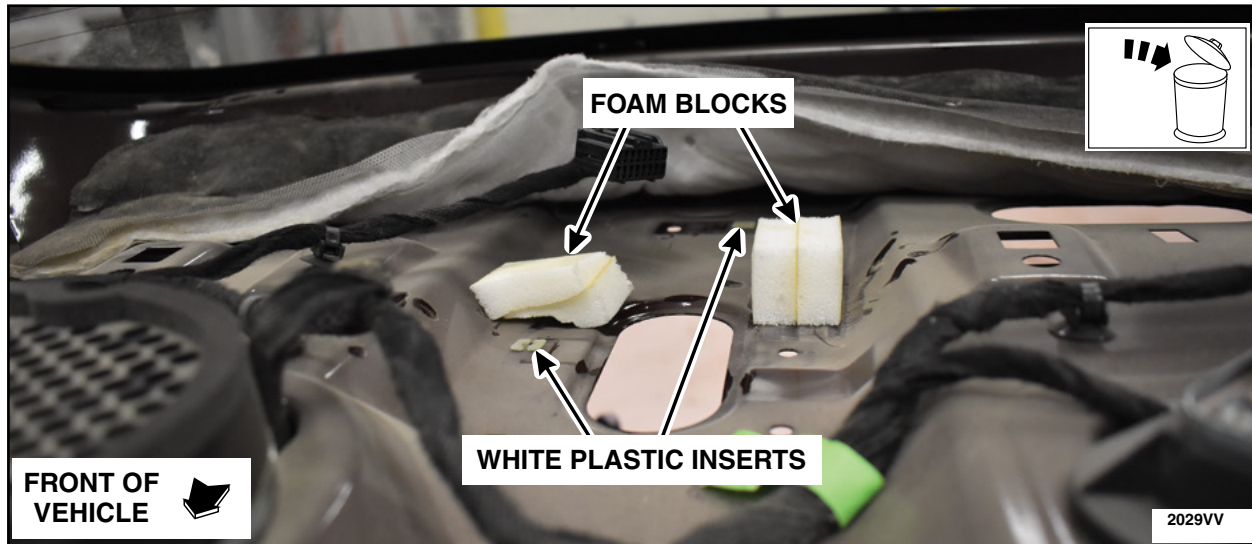


FIGURE 1

3. Clean the area. See Figure 2.

- Using a clean lint free shop rag, remove any dirt or dust.
- Clean the area with the supplied alcohol prep wipe.
- Allow a 30 second dry time.



FIGURE 2



4. Temporarily place the 4G TCU in the position shown to the vehicle left with non-connector side against sheet metal. Using a marker, mark the edges of the TCU onto the sheet metal of the vehicle. See Figure 3. Remove the TCU from the vehicle and place it on a bench metal side up.

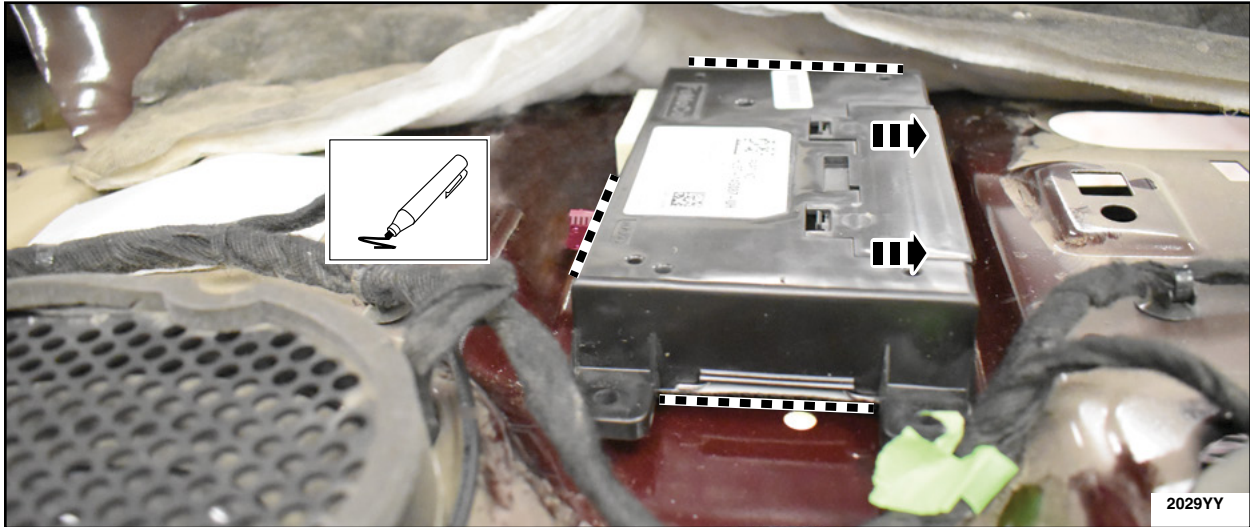


FIGURE 3

5. Apply the loop strips. See Figure 4.

- a. Remove the backing and apply the loop strips to the vehicle within the marked locations.
- b. Fully work out the air bubbles with a circular rubbing motion to ensure proper adhesion.

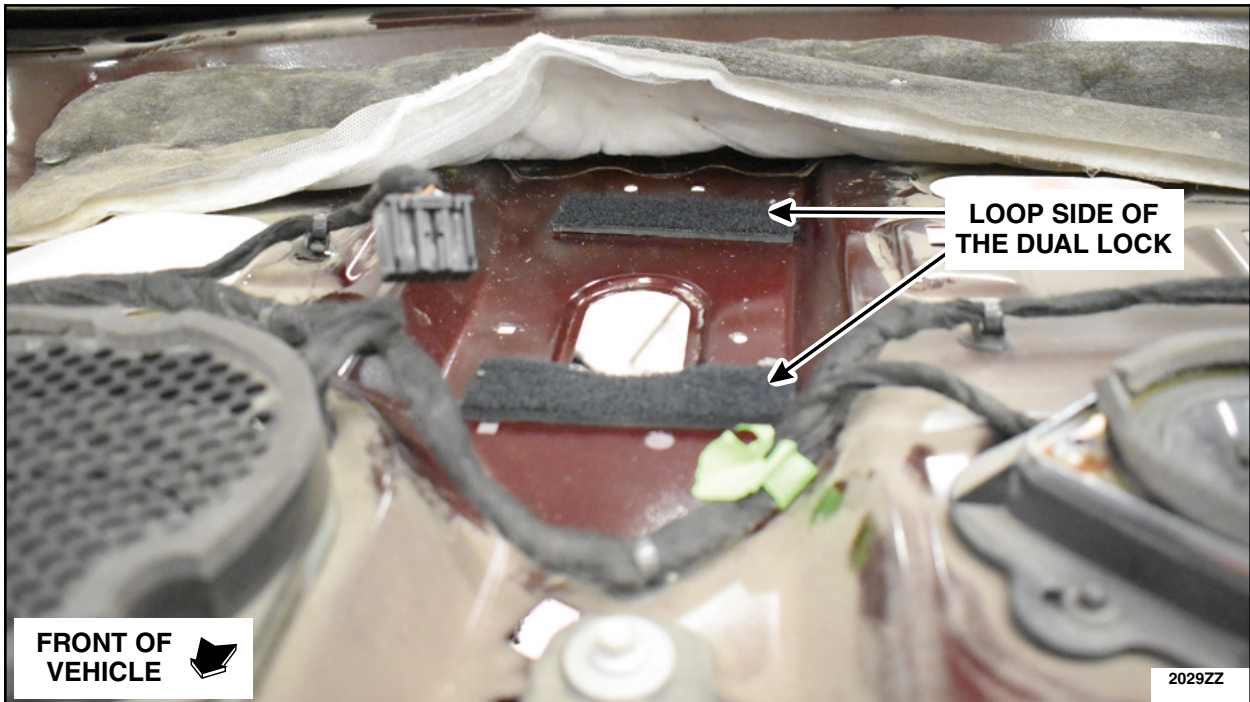


FIGURE 4



6. TCU Preparation. See Figure 5.

- a. Using a kit supplied alcohol prep wipe, clean the metal surface of the TCU module and allow the module to dry 30 seconds.
- b. Remove the backing of the Dual Lock™ strips (rough).
- c. Apply the Dual Lock™ strips to each end of the 4G TCU module by aligning the tops and edge of the strips to the edges of the TCU.
- d. Fully work out the air bubbles underneath the strips with a circular rubbing motion to ensure proper adhesion.

NOTE: Do not cover the heat sinks on the back of the TCU module.

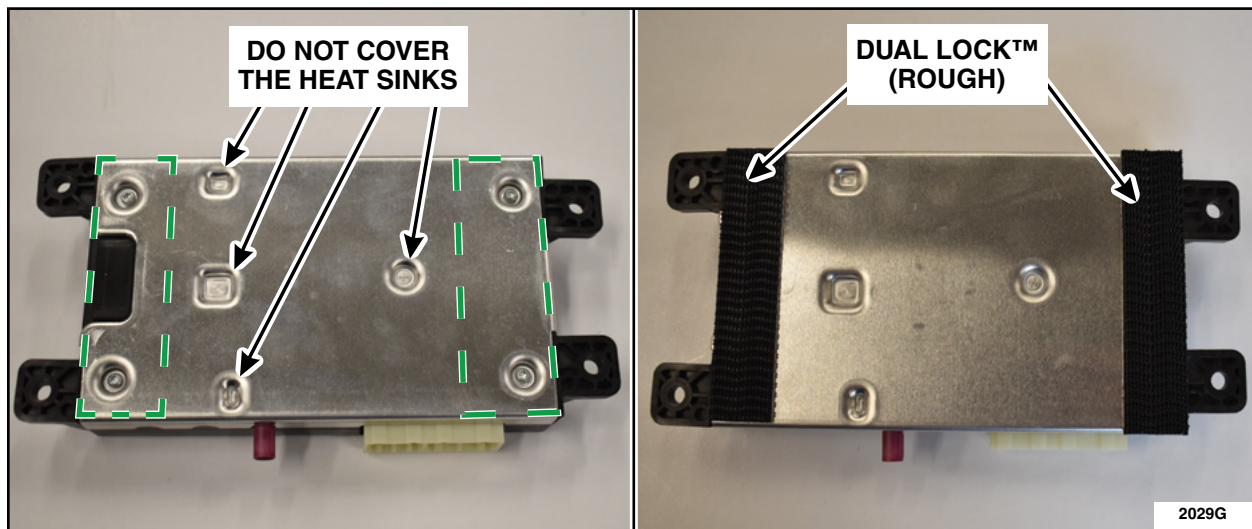


FIGURE 5



7. Install the 4G modem. See Figure 6.

- a. Orient with electrical connection towards the RH side of the vehicle.
- b. Ensure Dual Lock™ and loop are fully seated by firmly pressing module in place with a slight rotation to engage Dual Lock™ into the loop.
- c. Connect the electrical connector and coaxial extension cable to the 4G modem.

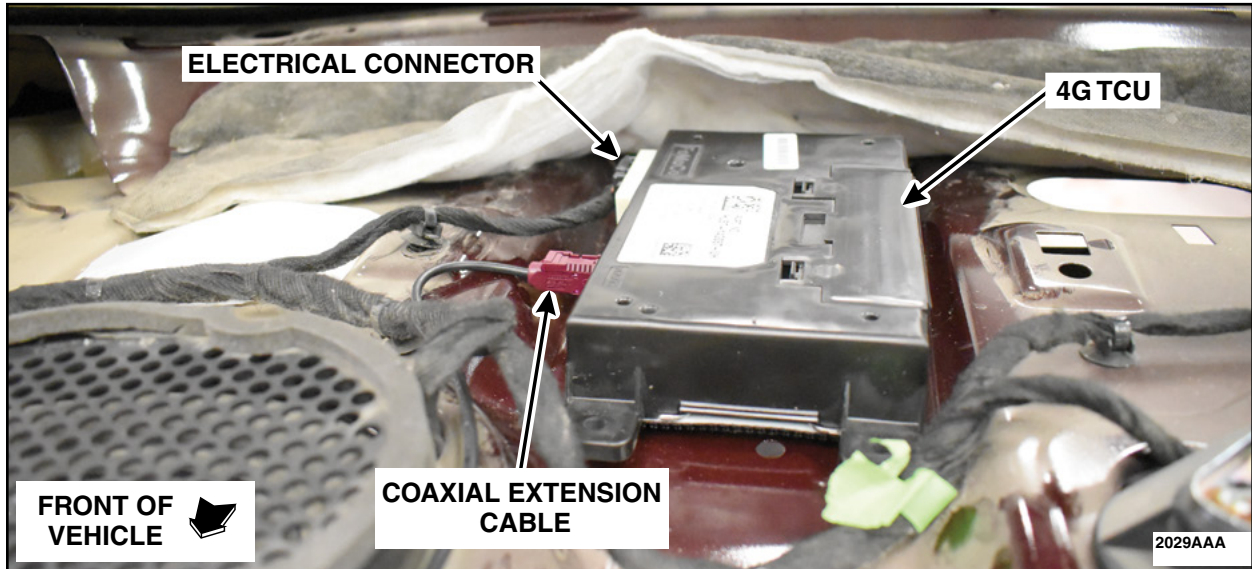


FIGURE 6

8. Route the coaxial extension cable around the speaker and toward the center of the parcel shelf. See Figure 7.

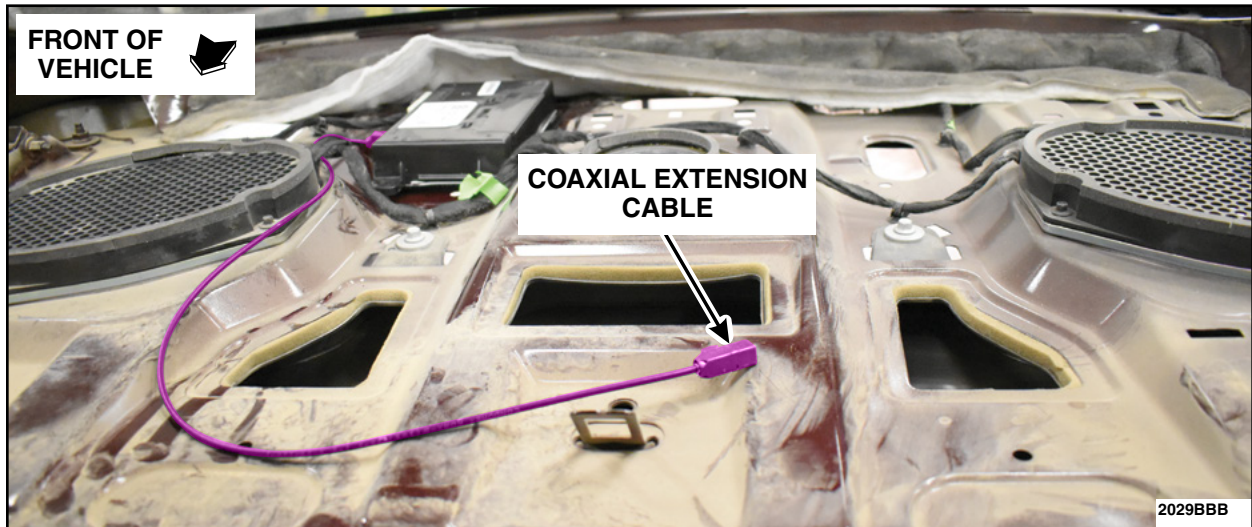


FIGURE 7



9. Place the parcel shelf on a work bench. Fold back the foam pad. See Figure 8.

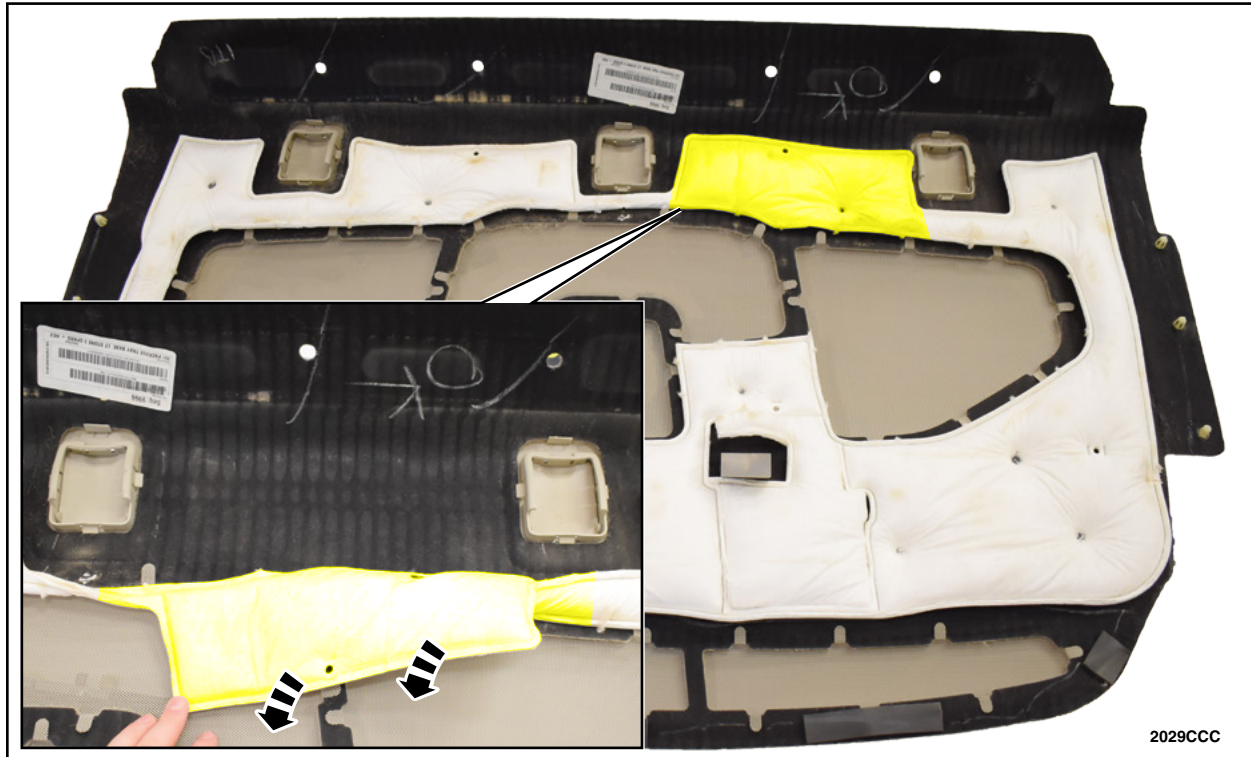


FIGURE 8



10. Remove the backing on the PET tape strip and apply between the center and left hand child seat anchor covers. See Figure 9.

a. Rub PET tape into the surface working out any air bubbles visible through the tape.

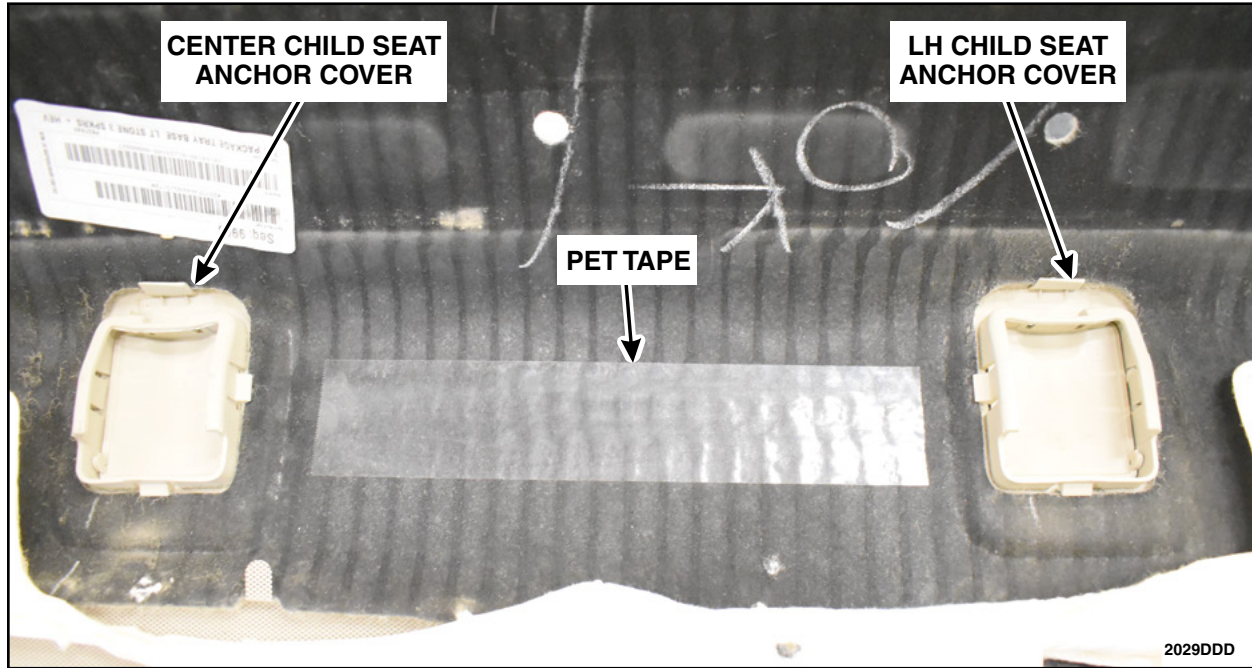


FIGURE 9



11. Install the *new* 4G antenna. See Figure 10.

- a. Remove the antenna backing.
- b. Align the 4G antenna on the pet tape as close as you can to the left hand child seat anchor and the cable strain relief facing towards the center.
- c. With firm evenly applied thumb pressure from center outward, work out air bubbles to ensure good adherence on the antenna.
- d. Remove the cable strain-relief backing and attach and press on to the PET tape as shown.

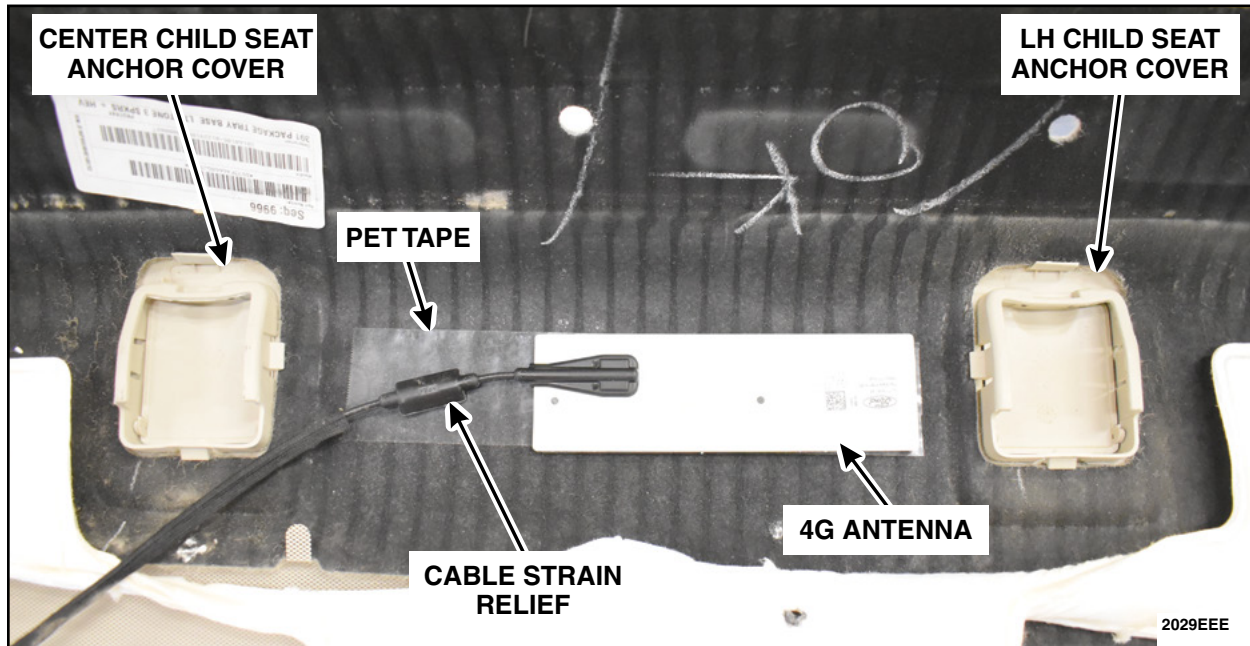


FIGURE 10



12. Position back the foam pad on the parcel shelf. See Figure 11.



FIGURE 11

13. Install the parcel shelf. Please follow the WSM procedures in Section 501-05.

- Connect the antenna to the coaxial extension cable during parcel shelf installation.

14. Finish the PMI process using IDS *that is connected to the internet*.

15. Turn valet mode ON and then back OFF (for vehicles with an 6-inch or larger display touch screens).

a. Enable valet mode in the infotainment display screen.

- *Valet mode is found by going to "**Settings > Vehicle > Valet Mode**" or "**Settings > Valet Mode**".*
- *Complete the prompts and enter PIN **3681** to complete "enable valet mode".*
- *PIN 3681 may need to be entered multiple times during this step.*

*b. Enable valet mode to **ON**.*

*c. Turn the key-**OFF**, allowing the vehicle display to power down fully during the key cycle.*

*d. Turn the key-**ON**.*

*e. Disable (turn **OFF**) valet mode on the infotainment display screen.*

- *Complete the prompts and enter PIN 3681 to complete "disable valet mode".*

*f. Turn the key-**OFF**, allowing the vehicle display to power down fully during the key cycle.*



16. Vehicle is now ready for the customer to connect their phone using the appropriate app at (FordPass or Lincoln Way).

- *Please have the Customers do this step at the dealership to ensure success.*

17. Additional **Customer Owner Instructions For App** are available in PTS/FMC Dealer as separate attachments to this bulletin.

- *Have Customer **Activate Vehicle** following the app instructions.*
- *Select **Allow** on vehicle display screen pop-up.*

NOTE: *If "Allow" popup screen doesn't display, repeat the Valet mode Enable/Disable procedure in Step 15.*

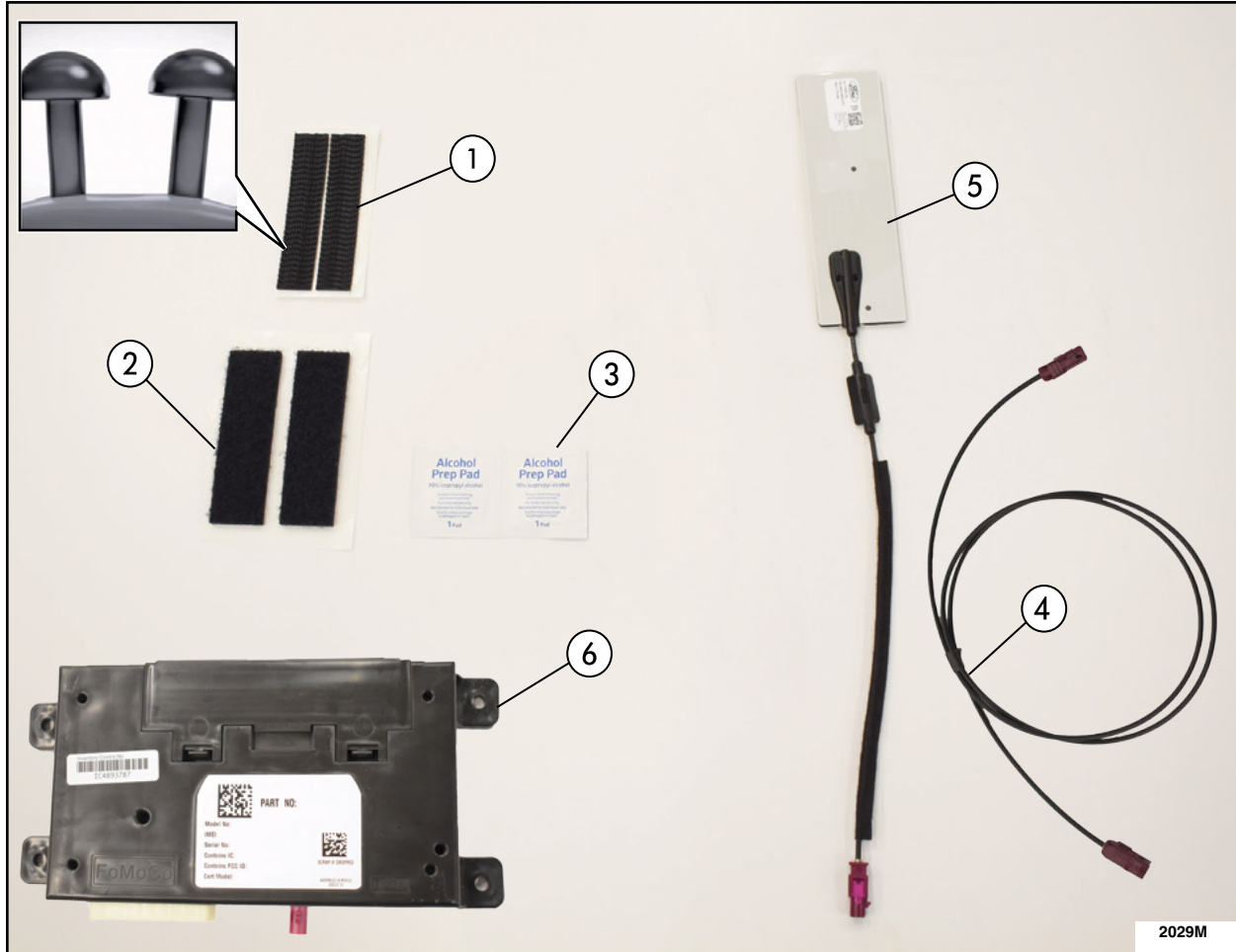
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CERTAIN 2014-2020 MODEL YEAR MULTIPLE VEHICLE LINES — 3G TELEMATICS CONTROL UNIT TO 4G UPGRADE KIT

NEW! SERVICE PROCEDURE - MKC

Kit contents



ITEM	DESCRIPTION	QUANTITY
1	Dual Lock™ (Rough)	1
2	Loop Side (Soft)	1
3	Alcohol Prep Wipe	2
4	Coaxial Extension Cable	1
5	4G Antenna	1
6	4G Telematics Control Unit (TCU)	1



NOTE: Upload the 3G module configuration information to the scan tool prior to removing the 3G module. This information must be downloaded into the new module after installation. This step **CANNOT** be done with manual entry of as-built data.

1. Please follow the Workshop Manual (WSM) procedures in Section 415-00B which includes the PMI process and then the removal of the Telematics Control Unit Module (TCU).

- Using IDS version 126.04 or higher.
- Requires IDS to be connected to the Internet which is unique to this procedure.

2. Position up the defrost vent trim panel. Please follow the WSM procedure in Section 501-12.

NOTE: Do not remove the defrost vent trim panel from the vehicle, only disengage it from the instrument panel.

3. Remove the glove compartment. Please follow the WSM procedure in section 501-12.

4. Remove the lower Left Hand (LH) side instrument panel insulator. See Figure 1.

- Disconnect the electrical connector.

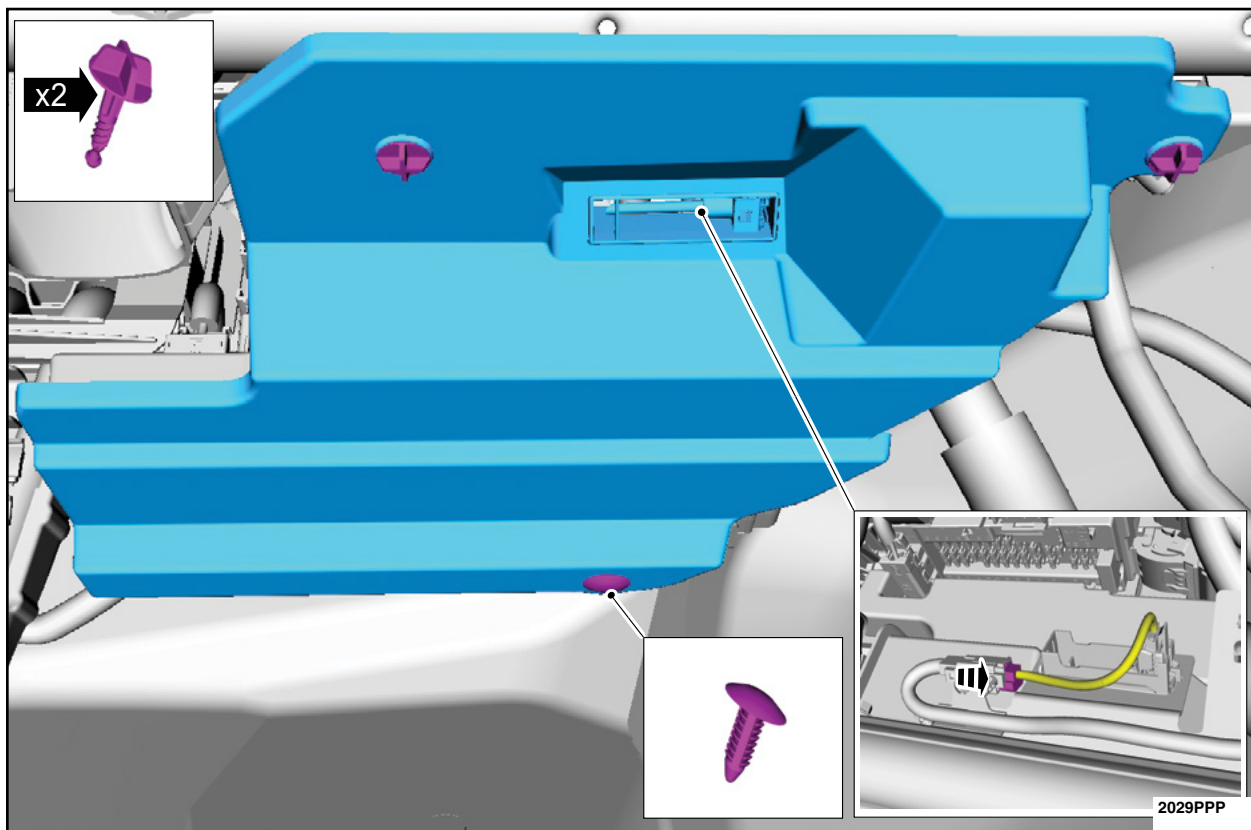


FIGURE 1



5. Align, measure and mark the bracket location on the *new* TCU module. See Figure 2.
- Place the mounting bracket on the back of the *new* TCU module.
 - Measure $\frac{3}{16}$ in (4.76 mm) from the bottom LH corner of the TCU module to the inside portion of the mounting bracket.
 - Measure $\frac{1}{4}$ in (6.35 mm) from the top of the TCU module to the top edge of the mounting bracket.
 - Mark the two edges of the mounting bracket as shown.

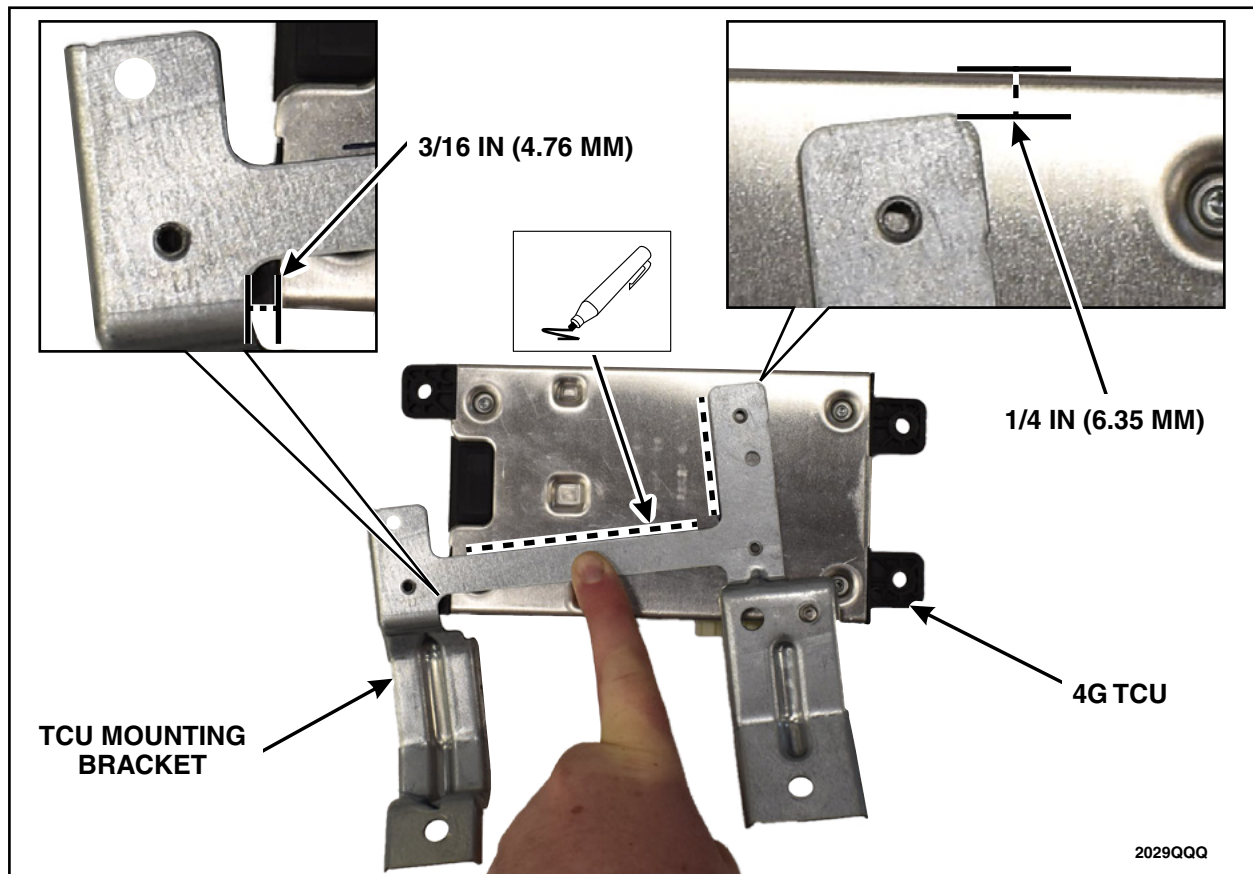


FIGURE 2



6. TCU Preparation. See Figure 3.

- a. Using a kit supplied alcohol prep wipe, clean the metal surface of the TCU module and allow the module to dry 30 seconds.
- b. Measure and cut 1 1/2 in (38 mm) length off of one Dual Lock™ strip (rough).
- c. Remove the backing of the Dual Lock™ strips (rough).
- d. Apply the 1 1/2 in (38 mm) portion of the Dual Lock™ by aligning to the mark made above the heat sink.
- e. Apply the remainder of the cut Dual Lock™ off set but at the same angle as not to pass over top of the heat sink.
- f. Apply the full Dual Lock™ strip by aligning it to the edge of the lower left plastic tab and then along the horizontal marks made.
- g. Fully work out the air bubbles underneath the strips with a circular rubbing motion to ensure proper adhesion.

NOTE: Do not cover the heat sinks on the back of the TCU module.

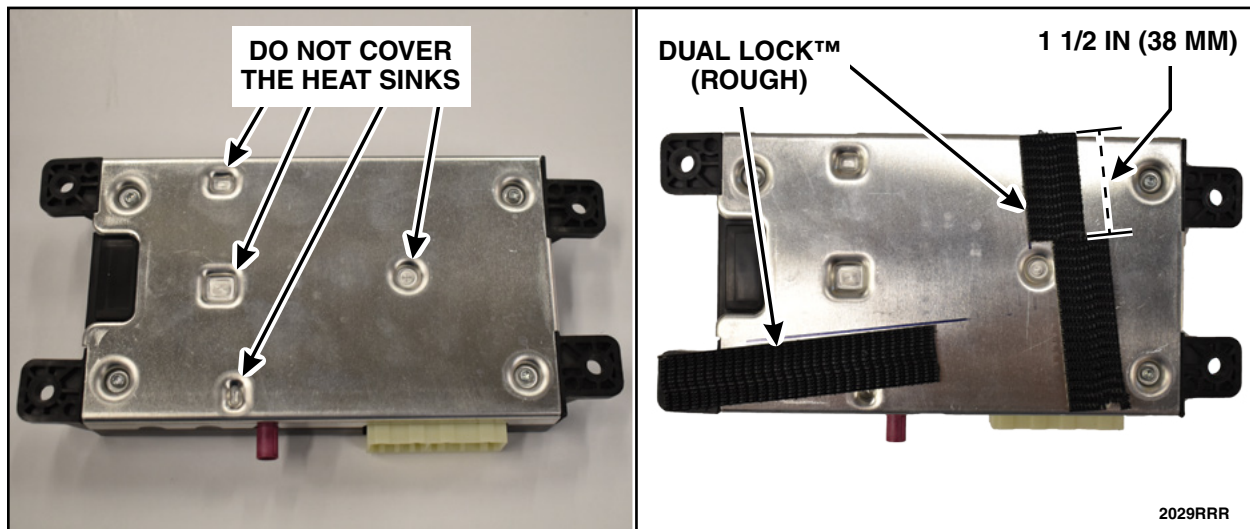


FIGURE 3



7. Clean the mounting bracket and apply loop strips. See Figure 4.

- a. Clean the mounting bracket first with a clean lint free rag.
- b. Clean the mounting bracket with supplied alcohol prep wipe and allow a 30 second dry time.
- c. Remove the backing of the loop strips and apply it to the mounting bracket over the stud holes.
- d. Fully work out the air bubbles underneath the strip with a circular rubbing motion to ensure proper adhesion.

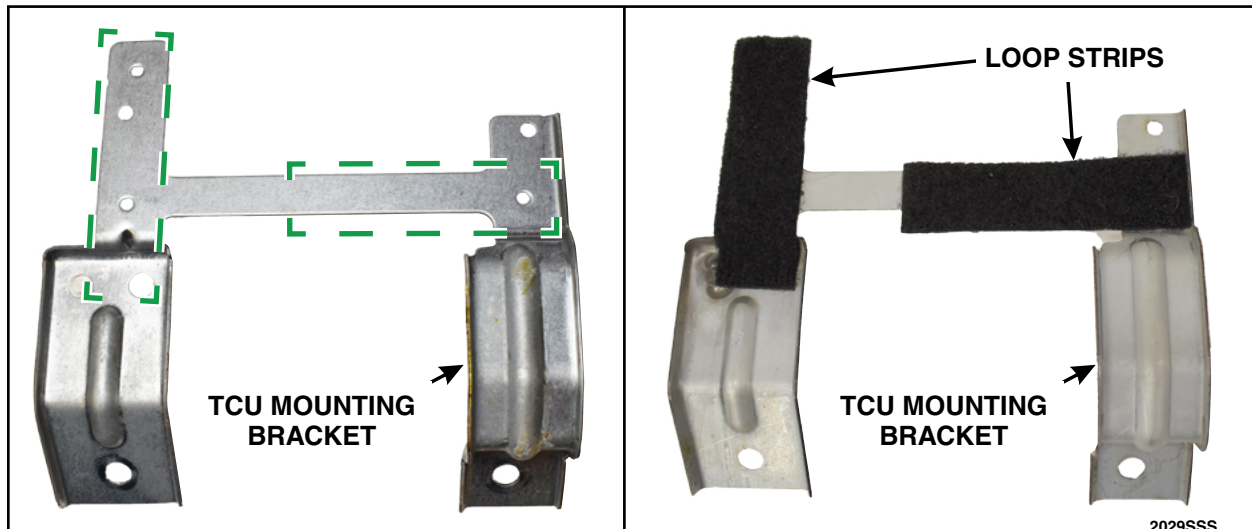


FIGURE 4

8. Install the 4G TCU: See Figure 5.

- a. Orient with electrical connection at bottom.
- b. Ensure Dual Lock™ and loop are fully seated by firmly pressing the bracket to the back of the module with a slight rotation to engage Dual Lock™ into the loop.

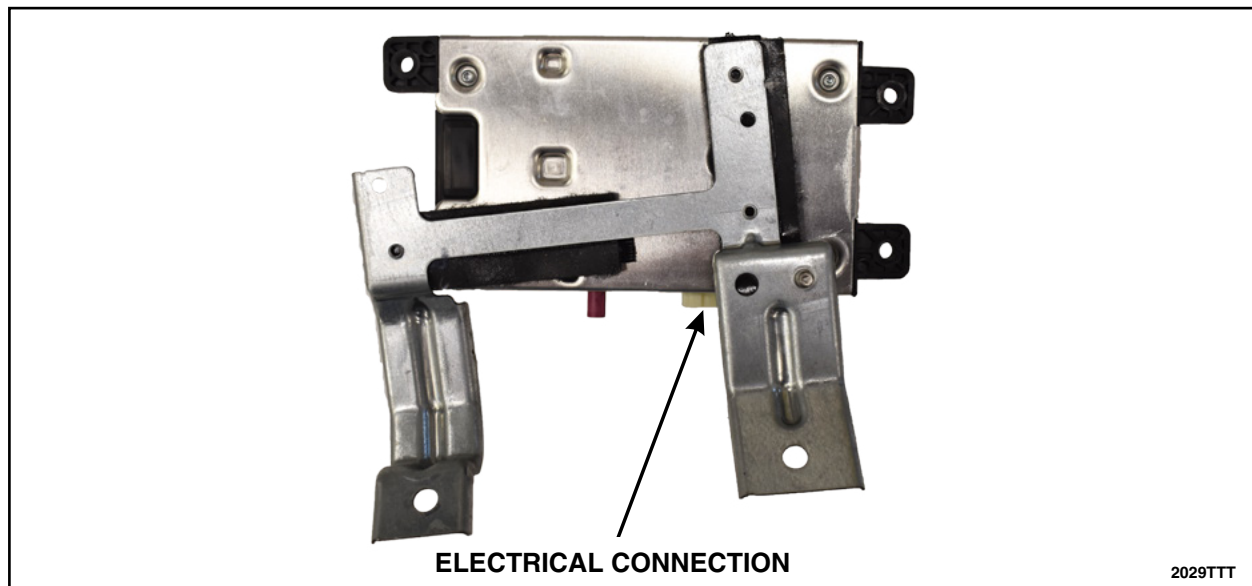


FIGURE 5



9. Install the *new* 4G Antenna: See Figures 6 and 7.
- Clean the highlighted area of the defrost vent trim panel first with a clean lint free rag.
 - Clean the highlighted area using the supplied alcohol prep wipe.
 - Remove the backing on the 4G antenna.
 - Press the 4G antenna to the defrost vent trim panel in the locations shown.
 - With firm evenly applied thumb pressure from center outward, work out air bubbles to ensure good adherence of the antenna while supporting the topside of the defrost vent trim panel.
 - Remove the backing of the cable strain relief and press it onto the defrost cent trim panel as shown.

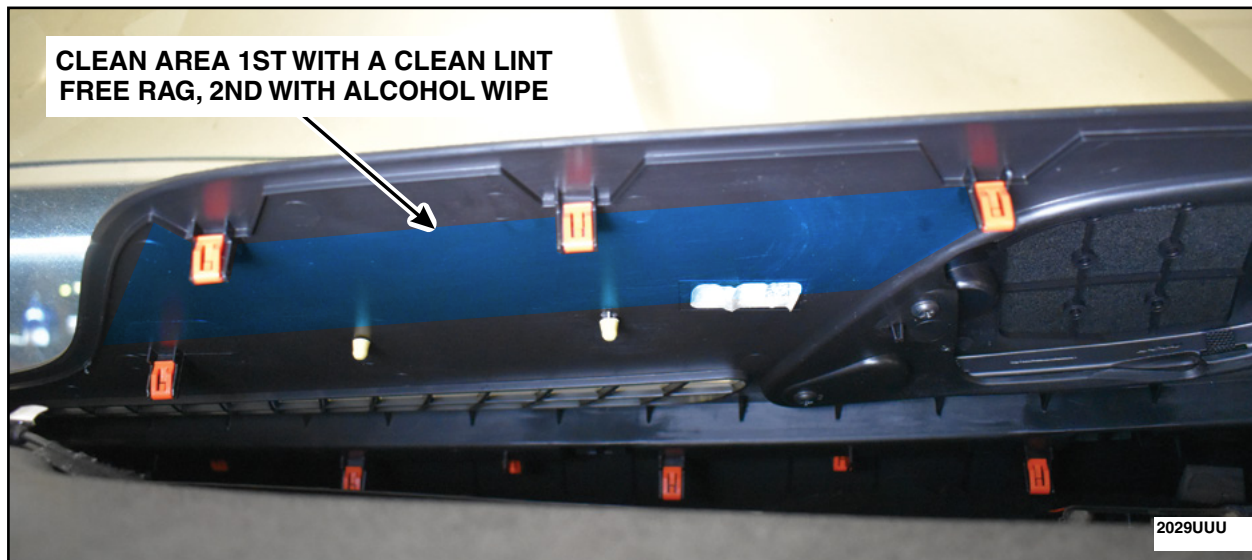


FIGURE 6



FIGURE 7



10. Route the coaxial extension cable. See Figures 8 and 9.

- a. Connect the coaxial extension cable to the 4G antenna.
- b. Route the coaxial extension cable down the right side of the instrument panel to the glove box area.
- c. Continue to route the coaxial extension cable across the top of the glove box area towards the center of the instrument panel.
- d. Route the coaxial extension cable over the instrument panel brace.
- e. Route the coaxial extension cable down through the instrument panel towards the center console.
- f. Route the coaxial extension cable towards the 4G TCU area.

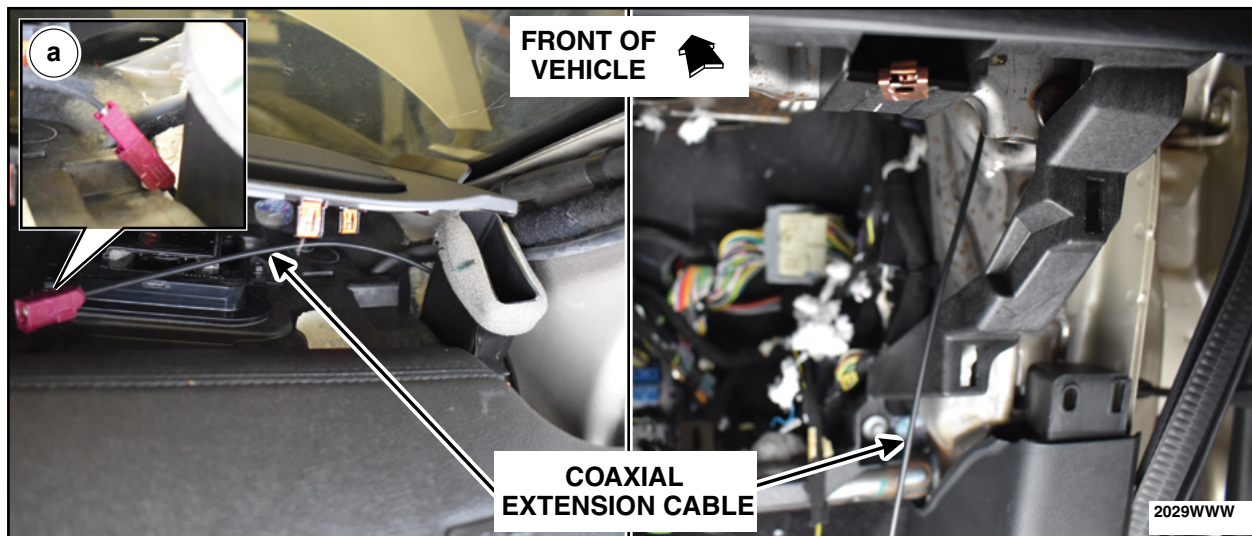


FIGURE 8



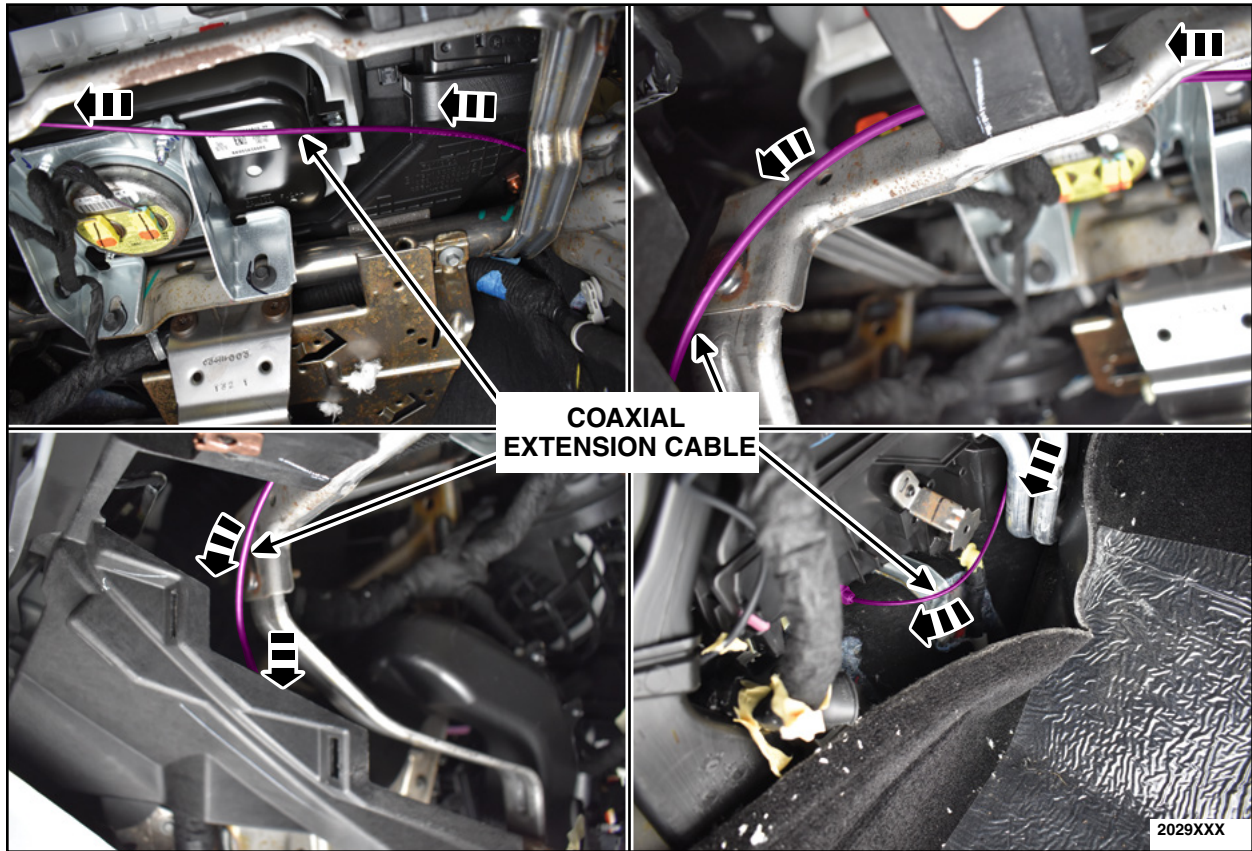


FIGURE 9



11. Install the 4G TCU and mounting bracket. See Figure 10.

- a. Install the 4G TCU mounting bracket and the two bolts.
 - Torque: 30 lb.ft (40 Nm)
- b. Connect the coaxial extension cable.
- c. Connect the electrical connector.

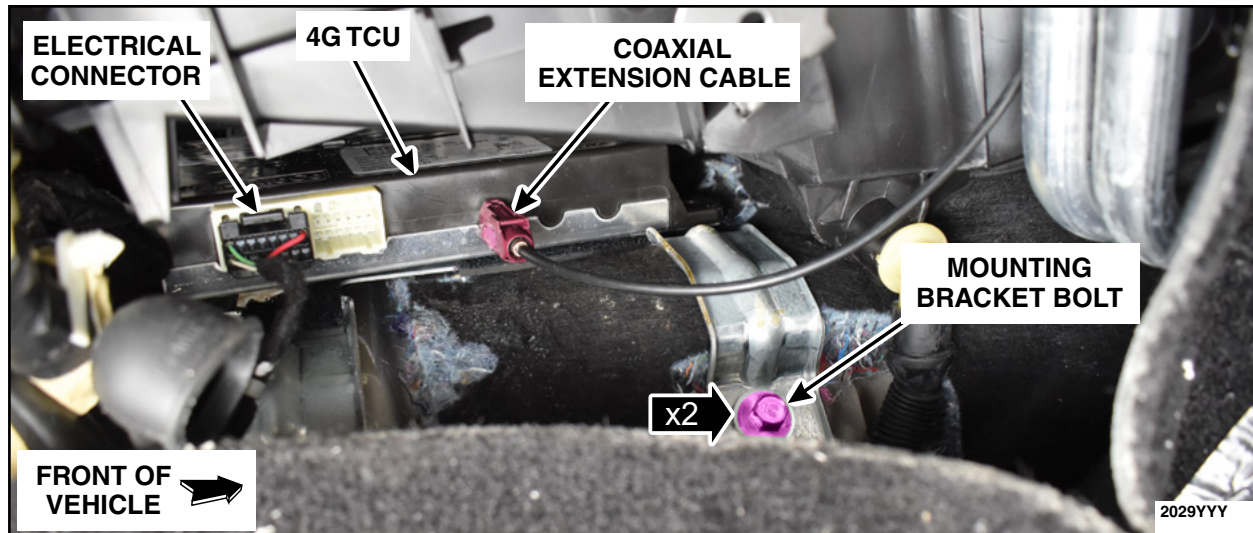


FIGURE 10

12. Install the glove compartment. Please follow the WSM procedure in section 501-12.

13. Position back the defrost vent trim panel. Please follow the WSM procedure in Section 501-12.



14. Install the lower LH side instrument panel insulator. See Figure 11.

- Connect the electrical connector.

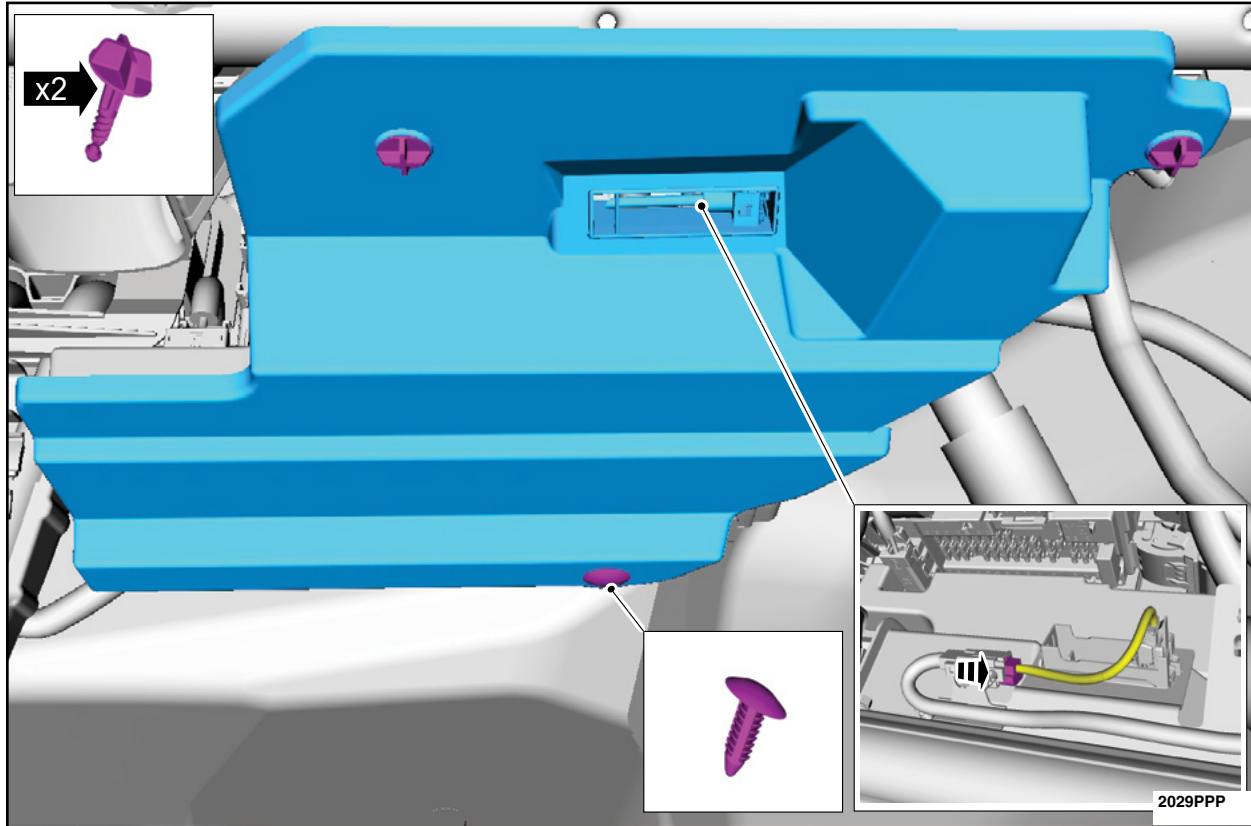


FIGURE 11



15. Position back the carpet. See Figure 12.

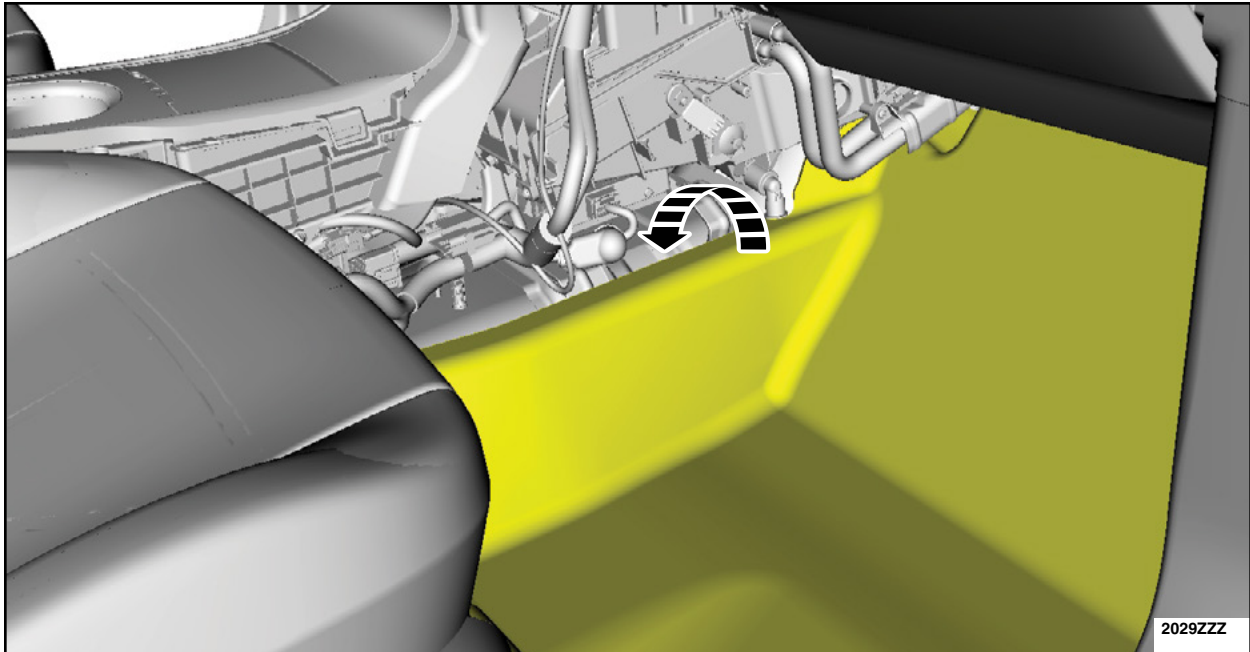


FIGURE 12

16. Install the RH finish panel. See Figure 13.

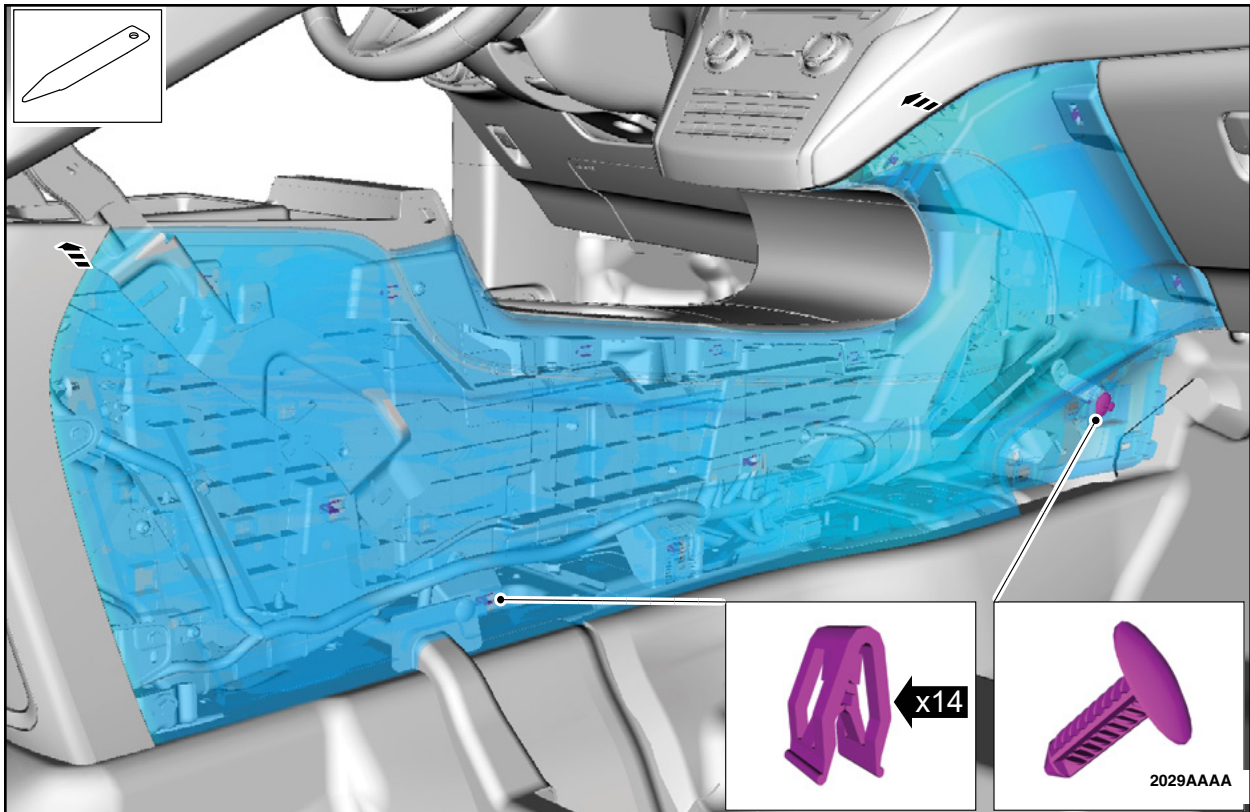


FIGURE 13



17. Install the RH trim panel. See Figure 14.

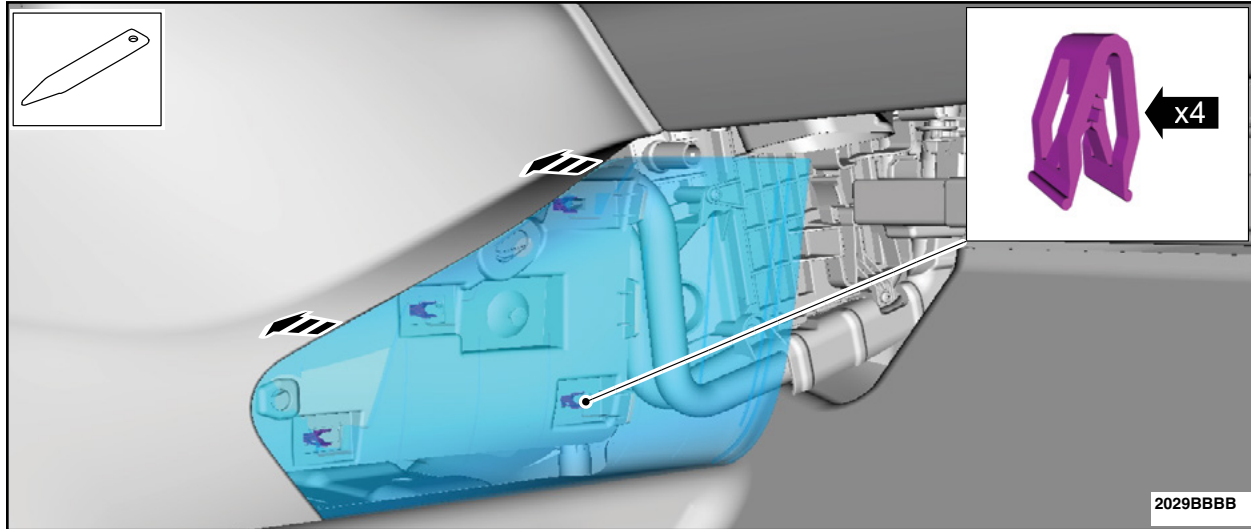


FIGURE 14

18. Close the floor console storage bin lid. See Figure 15.

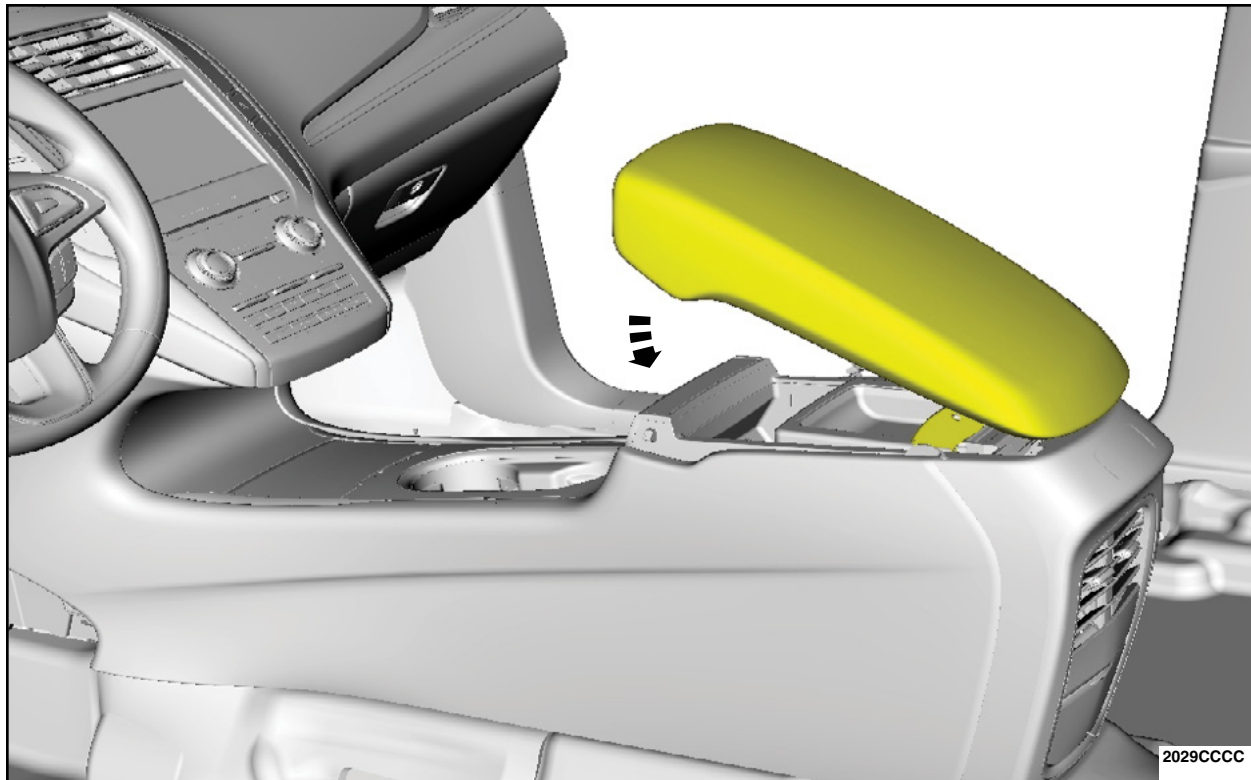


FIGURE 15



18. Finish the PMI process using IDS *that is connected to the Internet*.

19. Turn valet mode **ON** and then back **OFF** (for vehicles with an 6-inch or larger display touch screens).

a. Enable valet mode in the infotainment display screen.

- Valet mode is found by going to "**Settings > Vehicle > Valet Mode**" or "**Settings > Valet Mode**".
- Complete the prompts and enter PIN **3681** to complete "enable valet mode".
- PIN 3681 may need to be entered multiple times during this step.

b. Enable valet mode to **ON**.

c. Turn the key-**OFF**, allowing the vehicle display to power down fully during the key cycle.

d. Turn the key-**ON**.

e. Disable (turn **OFF**) valet mode on the infotainment display screen.

- Complete the prompts and enter PIN 3681 to complete "disable valet mode".

f. Turn the key-**OFF**, allowing the vehicle display to power down fully during the key cycle.

20. Vehicle is now ready for the customer to connect their phone using the appropriate app at (FordPass or Lincoln Way).

- Please have the Customers do this step at the dealership to ensure success.

21. Additional **Customer Owner Instructions For App** are available in PTS/FMC Dealer as separate attachments to this bulletin.

- Have Customer **Activate Vehicle** following the app instructions.
- Select **Allow** on vehicle display screen pop-up.

NOTE: If "Allow" popup screen doesn't display, repeat the Valet mode Enable/Disable procedure in Step 19.

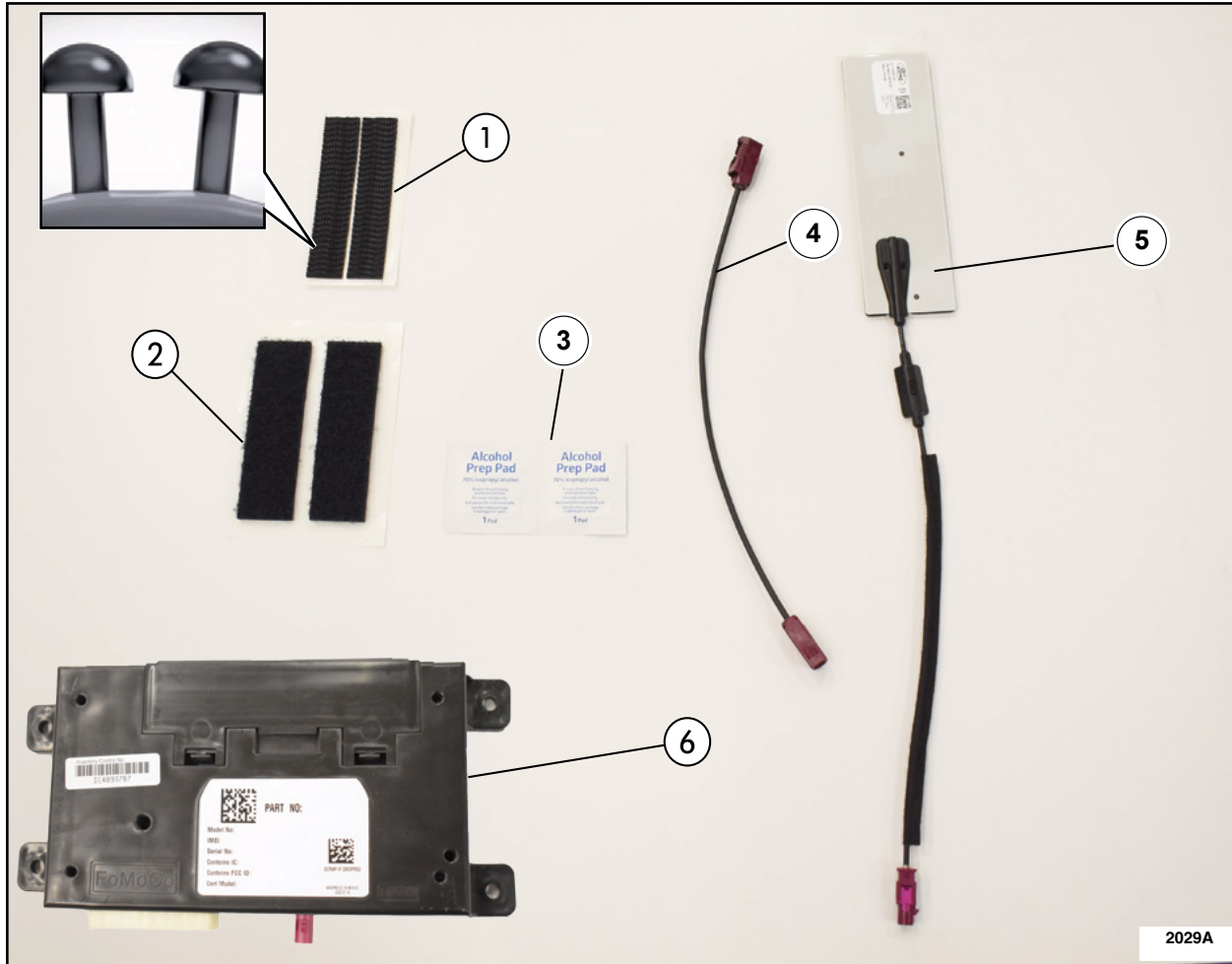
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CERTAIN 2014-2020 MODEL YEAR MULTIPLE VEHICLE LINES — 3G TELEMATICS CONTROL UNIT TO 4G UPGRADE KIT

NEW! SERVICE PROCEDURE - MKX

Kit contents



ITEM	DESCRIPTION	QUANTITY
1	Dual Lock™ (Rough)	1
2	Loop Side (Soft)	1
3	Alcohol Prep Wipe	1
4	Coaxial Extension Cable	2
5	4G Antenna	1
6	4G Telematics Control Unit (TCU)	1



NOTE: Upload the 3G module configuration information to the scan tool prior to removing the 3G module. This information must be downloaded into the new module after installation. This step **CANNOT** be done with manual entry of as-built data.

1. Please follow the Workshop Manual (WSM) procedures in Section 415-00B which includes the PMI process and then the removal of the Telematics Control Unit Module (TCU).
 - Using IDS version 126.04 or higher.
 - Requires IDS to be connected to the Internet which is unique to this procedure.

NOTE: Remove the Right Hand (RH) rear seat only.

2. Fold back the Right Hand (RH) loadspace trim panel NVH material and secure it with pieces of tape. See Figure 1.

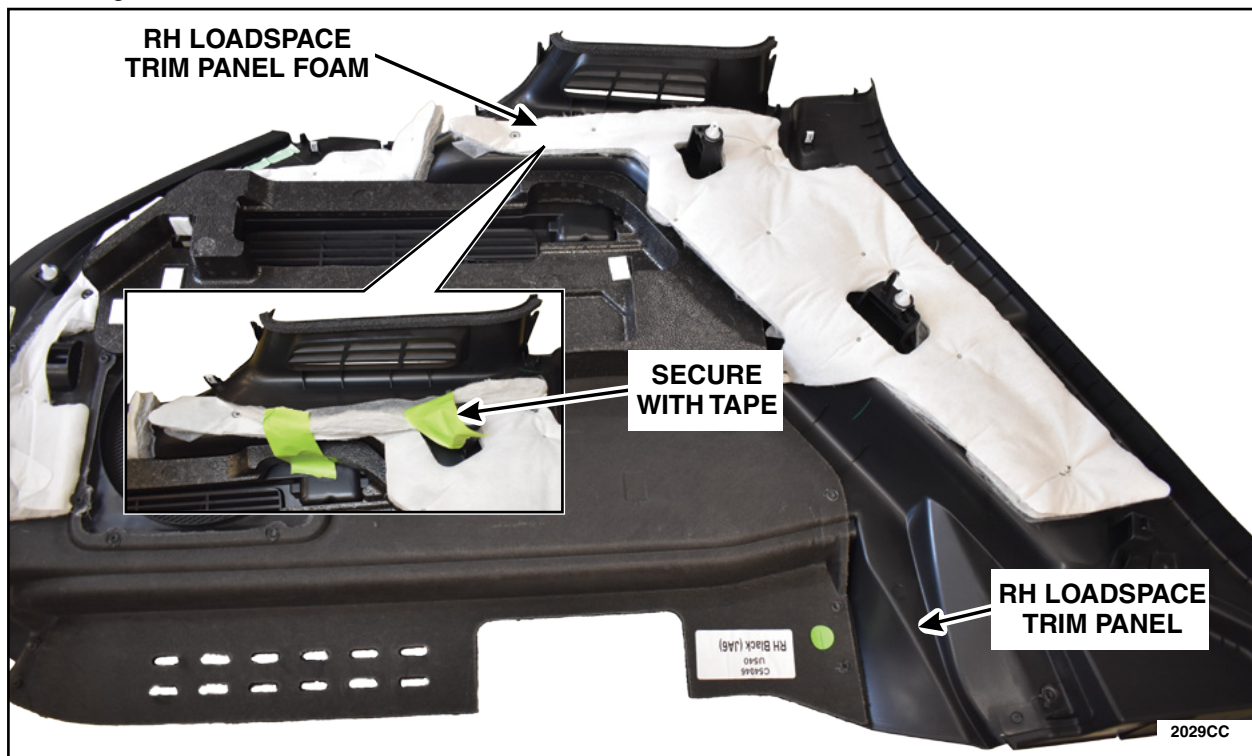


FIGURE 1



3. Using a clean lint free shop rag, clean any grime, grease, dust or dirt from the interior of the RH loadspace trim panel shown. See Figure 2.



FIGURE 2

4. Using the kit supplied alcohol prep wipe, clean the interior of the loadspace trim panel shown and allow the alcohol to dry for 30 seconds. See Figure 3.



FIGURE 3



5. Install the *new* 4G antenna. See Figure 4.

- a. Remove the antenna backing.
- b. Apply antenna to the RH loadspace trim panel surface.
- c. With firm evenly applied thumb pressure from center outward, work out air bubbles to ensure good adherence of the antenna.
- d. Remove the cable strain-relief backing.
- e. Align the antenna's cable strain-relief and firmly press in place to the RH loadspace trim panel.

NOTE: It is acceptable for the antenna to follow the curvature of the RH loadspace trim panel.



FIGURE 4

6. Remove the tape and position back the RH loadspace trim panel foam pad. See Figure 5.



FIGURE 5



7. Temporarily place the 4G TCU in the position shown. Using a marker, mark the edges of the TCU onto the sheet metal of the vehicle. See Figure 6. Remove the TCU from the vehicle and place it on a bench metal side up.

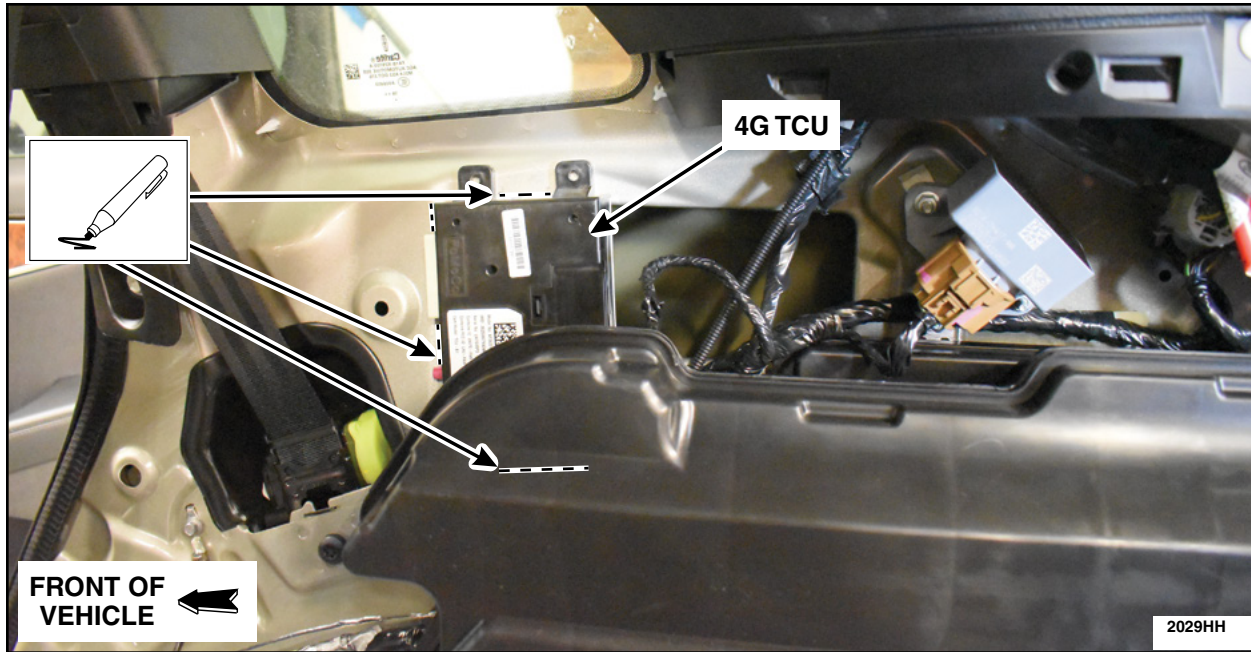


FIGURE 6



8. TCU Preparation. See Figure 7.

- a. Using a kit supplied alcohol prep wipe, clean the metal surface of the TCU module and allow the module to dry 30 seconds.
- b. Remove the backing of the Dual Lock™ strips (rough).
- c. Apply the Dual Lock™ strips to each end of the 4G TCU module by aligning the tops and edge of the strips to the edges of the TCU.
- d. Fully work out the air bubbles underneath the strips with a circular rubbing motion to ensure proper adhesion.

NOTE: Do not cover the heat sinks on the back of the TCU module.

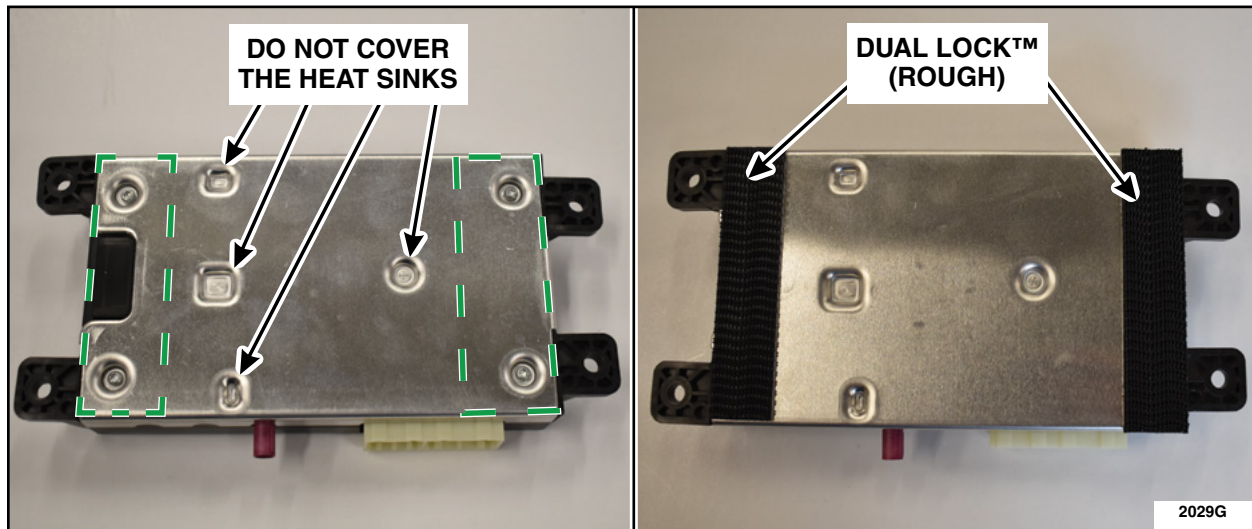


FIGURE 7



9. Clean the surface and apply loop strip. See Figure 8.

- a. Clean the area marked inside the vehicle first with a clean lint free rag.
- b. Clean the marked area with supplied alcohol prep wipe and allow a 30 second dry time.
- c. Remove the backing of the loop strip and apply it to the vehicle inside the marked location towards the front of the vehicle.
- d. Fully work out the air bubbles underneath the strip with a circular rubbing motion to ensure proper adhesion.

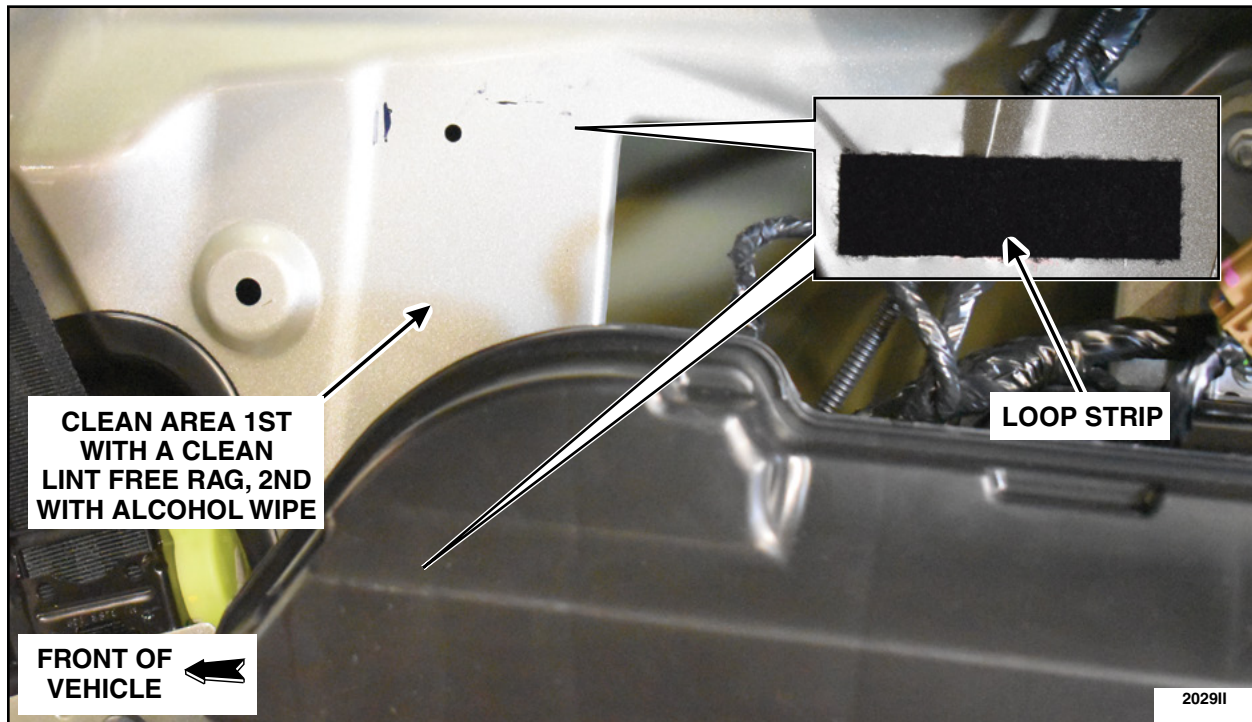


FIGURE 8



10. Install the 4G TCU. See Figure 9.

- a. Orient with electrical connection to the front of the vehicle.
- b. Ensure Dual Lock and loop are fully seated by firmly pressing module in place with a slight rotation to engage Dual Lock into the loop.
- c. Connect the coax cable extension.
- d. Connect the electrical connector.

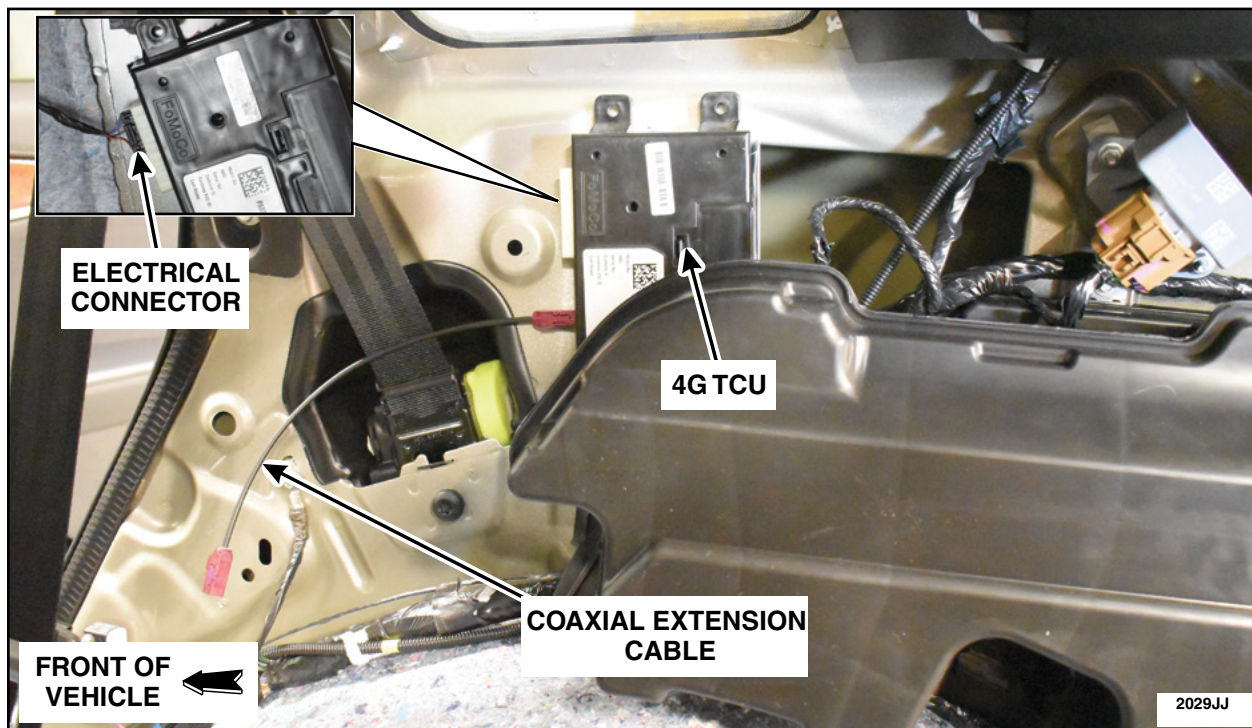


FIGURE 9



11. Connect the antenna coax cable to the coax cable extension and route as shown. See Figure 10.

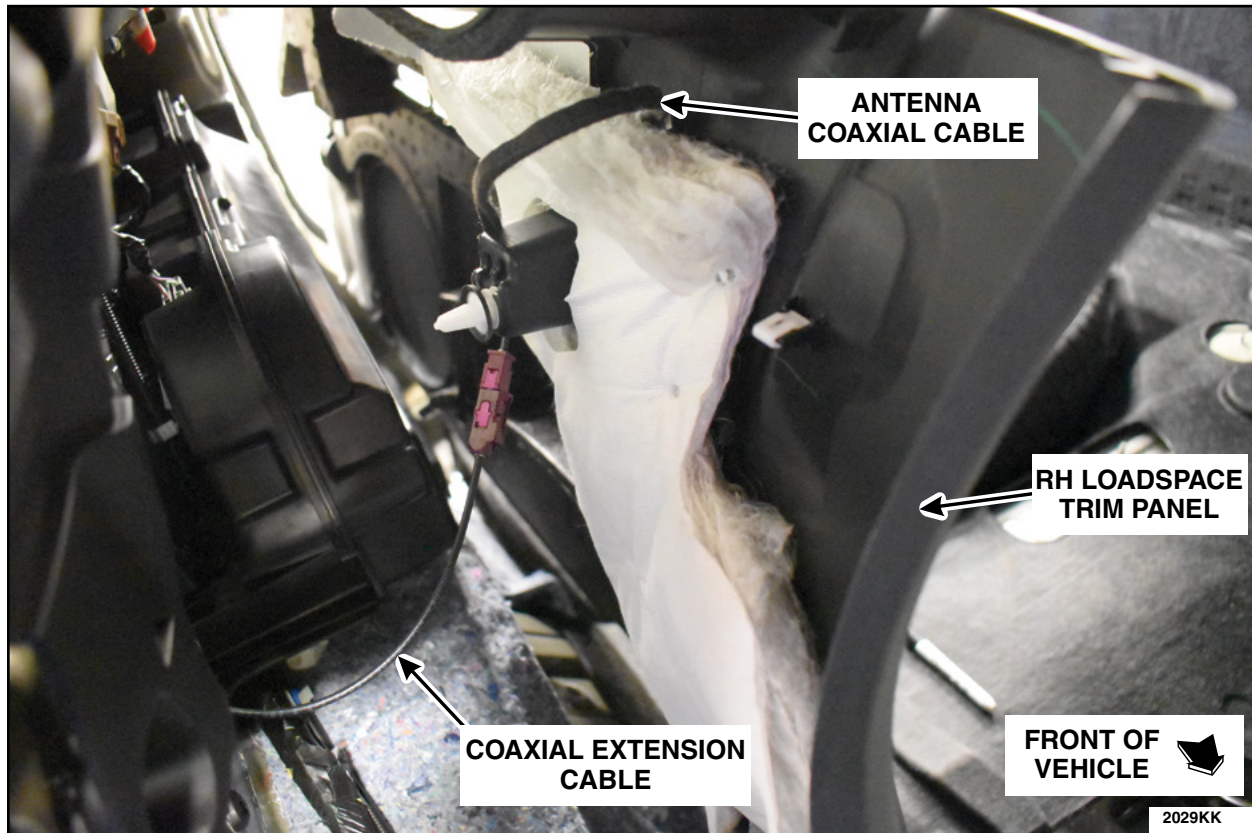


FIGURE 10

12. Install the RH loadspace trim panel. Please follow the WSM procedures in Section 501-05.

13. Finish the PMI process using IDS *that is connected to the Internet*.

14. Turn valet mode ON and then back OFF (for vehicles with an 6-inch or larger display touch screens).

a. Enable valet mode in the infotainment display screen.

- Valet mode is found by going to "**Settings > Vehicle > Valet Mode**" or "**Settings > Valet Mode**".
- Complete the prompts and enter PIN **3681** to complete "enable valet mode".
- PIN 3681 may need to be entered multiple times during this step.

b. Enable valet mode to ON.

c. Turn the key-OFF, allowing the vehicle display to power down fully during the key cycle.

d. Turn the key-ON.

e. Disable (turn OFF) valet mode on the infotainment display screen.

- Complete the prompts and enter PIN **3681** to complete "disable valet mode".

f. Turn the key-OFF, allowing the vehicle display to power down fully during the key cycle.



15. Vehicle is now ready for the customer to connect their phone using the appropriate app at (FordPass or Lincoln Way).

- *Please have the Customers do this step at the dealership to ensure success.*

16. Additional **Customer Owner Instructions For App** are available in PTS/FMC Dealer as separate attachments to this bulletin.

- *Have Customer **Activate Vehicle** following the app instructions.*
- *Select **Allow** on vehicle display screen pop-up.*

NOTE: *If "Allow" popup screen doesn't display, repeat the Valet mode Enable/Disable procedure in Step 14.*

IMPORTANT NOTE: Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall. Unless a part is requested to be returned to Ford, all parts replaced under this FSA must be scrapped in accordance with all applicable local, state and federal environmental protection and hazardous material regulations. Refer to the Parts Retention, Return, & Scrapping section of the FSA dealer bulletin for further information.





Ford Motor Company
Ford Customer Service Division
P. O. Box 1904
Dearborn, Michigan 48121

August 2022

Customer Satisfaction Program 21B09

Mr. John Sample
123 Main Street
Anywhere, USA 12345

Your Vehicle Identification Number (VIN): 12345678901234567

At Ford Motor Company, we are committed not only to building high quality, dependable products, but also to building a community of happy, satisfied customers. To demonstrate that commitment, we are providing a no-charge Customer Satisfaction Program for your vehicle with the VIN shown above.

Why are you receiving this notice?

Cellular companies began decommissioning 3G networks in August 2021, and a complete shutdown of the 3G network took place in February 2022. As a result, the 3G modem in your vehicle is no longer able to transmit data.

What is the effect?

If you utilized remote features within the My Ford Mobile or FordPass™ App, the decommissioned network will result in a loss of wireless functionality for connected app-to-vehicle features such as: Remote Lock & Unlock, Remote Start & Stop, Vehicle Status, Tire Pressure, Fuel Level, Mileage (and for electric vehicles: Preferred Charge Times, Departure Times, Trip & Charge Logs).

Cellular 3G network decommissioning did not impact control or performance of your vehicle. If you do not utilize the My Ford Mobile or FordPass™ App service, you will not notice the effects of the decommissioning.

Additional information about the FordPass™ App and how to connect can be found on our web site: <https://www.ford.com/support/category/fordpass/>.

What will Ford and your dealer do?

In the interest of customer satisfaction, Ford Motor Company has authorized your dealer to cover the cost of labor to install a 4G upgrade kit (modem and antenna) so remote app functionality can be restored. Note, the vehicle owner is responsible for the purchase of the 4G upgrade kit.

This Customer Satisfaction Program has been extended to March 31, 2023, regardless of mileage. Coverage is automatically transferred to subsequent owners.

How long will it take?

The time needed for this repair is less than one-half day. However, due to service scheduling requirements, your dealer may need your vehicle for a longer period of time.

What should you do? To restore app-to-vehicle features via the FordPass™ App, please call your dealer to schedule a service appointment for Customer Satisfaction Program **21B09**. Provide the dealer with your VIN, which is printed near your name at the beginning of this letter.

You will need to purchase the upgraded 4G upgrade kit from your dealer. Additional app set up, such as removing and re-adding the VIN in the app will be needed following the 4G modem installation. Owners who previously used the My Ford Mobile App will now use the FordPass™ App

NOTE: 4G upgrade kit availability may be limited due to supply constraints.

Ford Motor Company recommends you have this service action completed on your vehicle to experience the benefits and features enabled by the FordPass™ App. The vehicle owner is responsible for scheduling the work to be completed.

Once your vehicle has been upgraded with the 4G upgrade kit, use the FordPass™ App to access complimentary remote features like start/stop, get important vehicle information like fuel and oil levels, service history and warranty details at your fingertips. You can receive information about Recalls and Customer Satisfaction Programs through our FordPass™ App as well. The app can be downloaded through the App Store or Google Play

What if you no longer own this vehicle? If you no longer own this vehicle, and have an address for the current owner, please forward this letter to the new owner.

You received this notice because our records, which are based primarily on state registration and title data, indicate that you are the current owner.

Can we assist you further?

If you have difficulties getting your vehicle repaired promptly and without charge, please contact your dealership's Service Manager for assistance.

RETAIL OWNERS: If you have questions or concerns, please contact our **Ford Customer Relationship Center at 1-866-436-7332** and one of our representatives will be happy to assist you. If you wish to contact us through the Internet, our address is: ford.com/support

For the hearing impaired call 1-800-232-5952 (TDD). Representatives are available Monday through Friday: 8:00AM – 8:00PM (Eastern Time).

FLEET OWNERS: If you have questions or concerns, please contact our **Ford Pro Contact Center at 1-800-34-FLEET**, choose Option #1, and one of our representatives will be happy to assist you. If you wish to contact us through the Internet, our address is: fleet.ford.com.

Representatives are available Monday through Friday: 7:00AM - 11:00PM and Saturday 7:00AM – 5:00PM (Eastern Time).

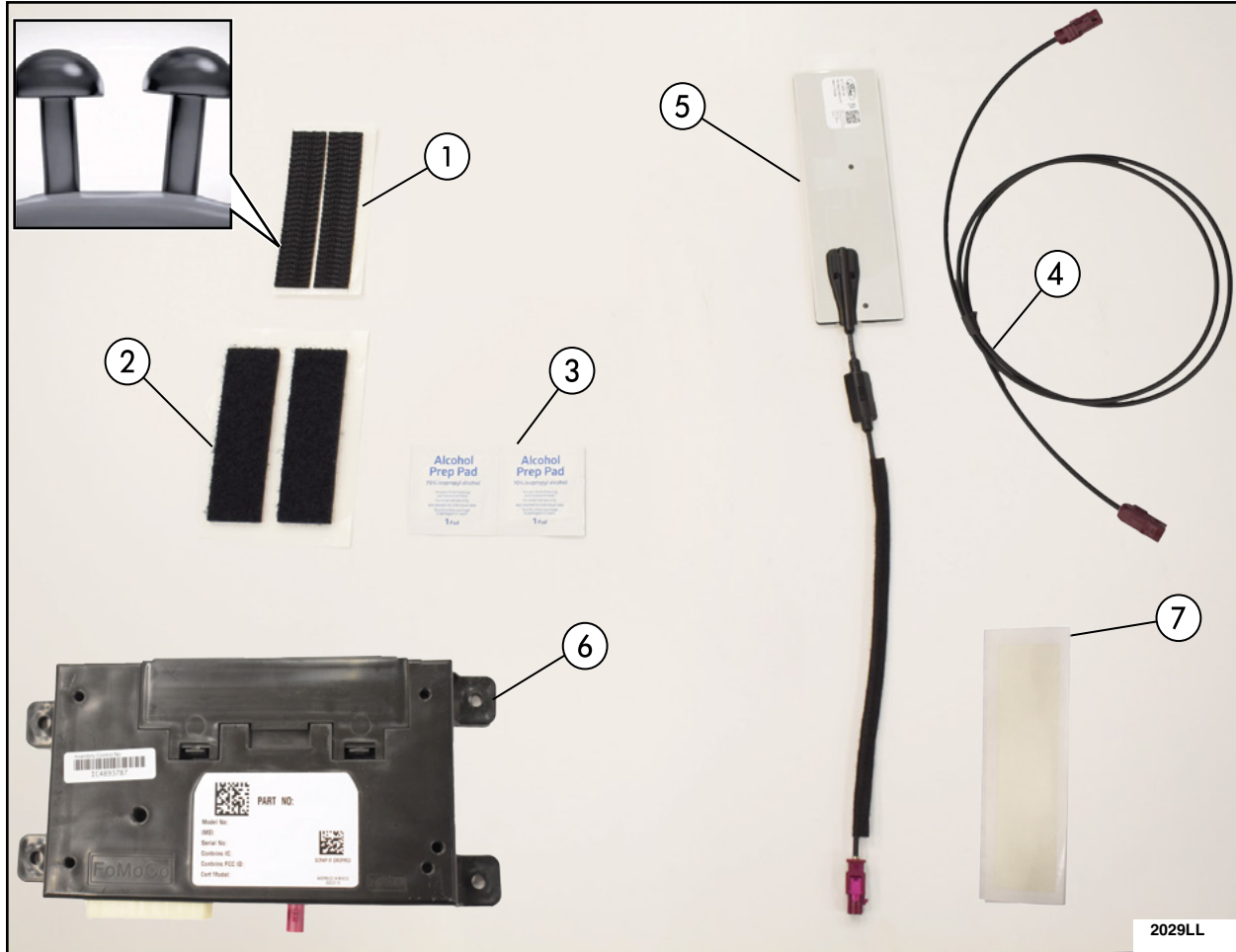
Thank you for your attention to this important matter.

Ford Customer Service Division

CERTAIN 2014-2020 MODEL YEAR MULTIPLE VEHICLE LINES — 3G TELEMATICS CONTROL UNIT TO 4G UPGRADE KIT

NEW! SERVICE PROCEDURE - MKZ / MKZ HYBRID

Kit contents



ITEM	DESCRIPTION	QUANTITY
1	Dual Lock™ (Rough)	1
2	Loop Side (Soft)	1
3	Alcohol Prep Wipe	2
4	Coaxial Extension Cable	1
5	4G Antenna	1
6	4G Telematics Control Unit (TCU)	1
7	PET Tape	1



NOTE: Upload the 3G module configuration information to the scan tool prior to removing the 3G module. This information must be downloaded into the new module after installation. This step **CANNOT** be done with manual entry of as-built data.

1. Please follow the Workshop Manual (WSM) procedures in Section 415-00B which includes the PMI process and then the removal of the Telematics Control Unit Module (TCU).

- Using IDS version 126.04 or higher.
- Requires IDS to be connected to the Internet which is unique to this procedure.

2. Clean the mounting bracket and apply loop strip. See Figure 1.

- a. Clean the TCU mounting bracket inside the vehicle first with a clean lint free rag.
- b. Clean the area that will be covered by the loop strips with supplied alcohol prep wipe.
- c. Remove the backing and apply the loop strips to the mounting bracket in the vehicle in the shown locations.
- d. Fully work out the air bubbles underneath the strip with a circular rubbing motion to ensure proper adhesion.

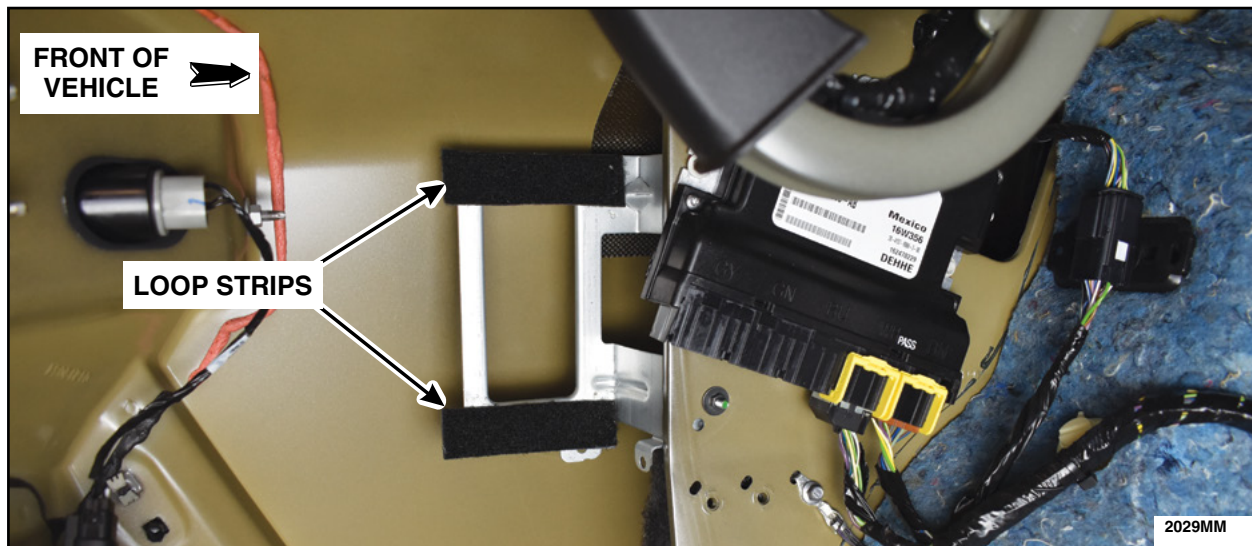


FIGURE 1



3. TCU Preparation. See Figure 2.

- a. Using a kit supplied alcohol prep wipe, clean the metal surface of the TCU module and allow the module to dry 30 seconds.
- b. Remove the backing of the Dual Lock™ strips (rough).
- c. Apply the Dual Lock™ strips to each end of the 4G TCU module by aligning the tops and edge of the strips to the edges of the TCU.
- d. Fully work out the air bubbles underneath the strips with a circular rubbing motion to ensure proper adhesion.

NOTE: Do not cover the heat sinks on the back of the TCU module.

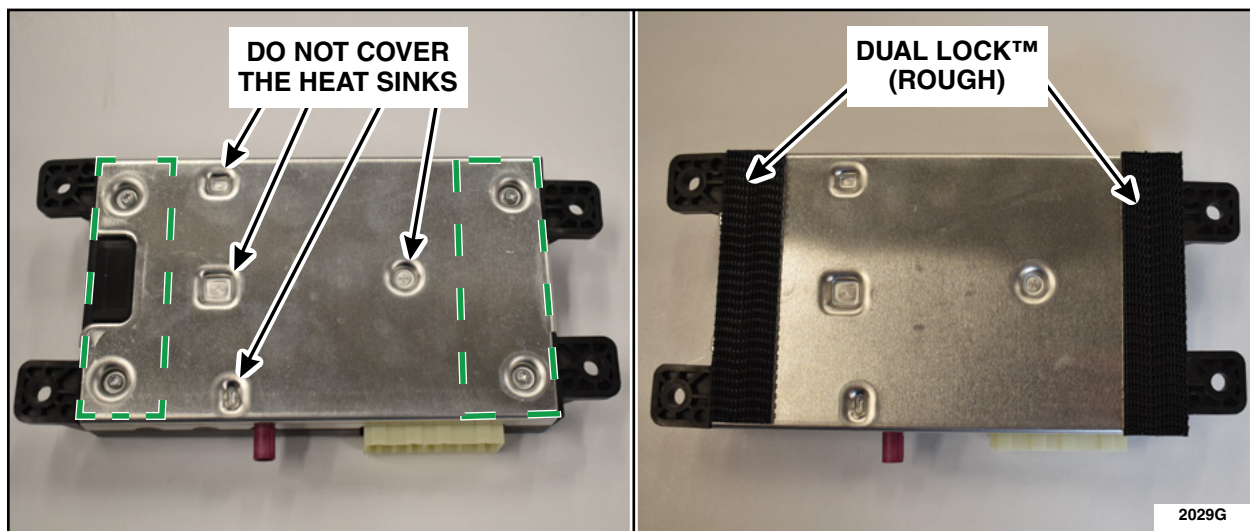


FIGURE 2



4. Install the 4G TCU. See Figure 3.

- a. Orient with electrical connection to the rear of the vehicle.
- b. Ensure Dual Lock™ and loop are fully seated by firmly pressing module in place with a slight rotation to engage Dual Lock™ into the loop.

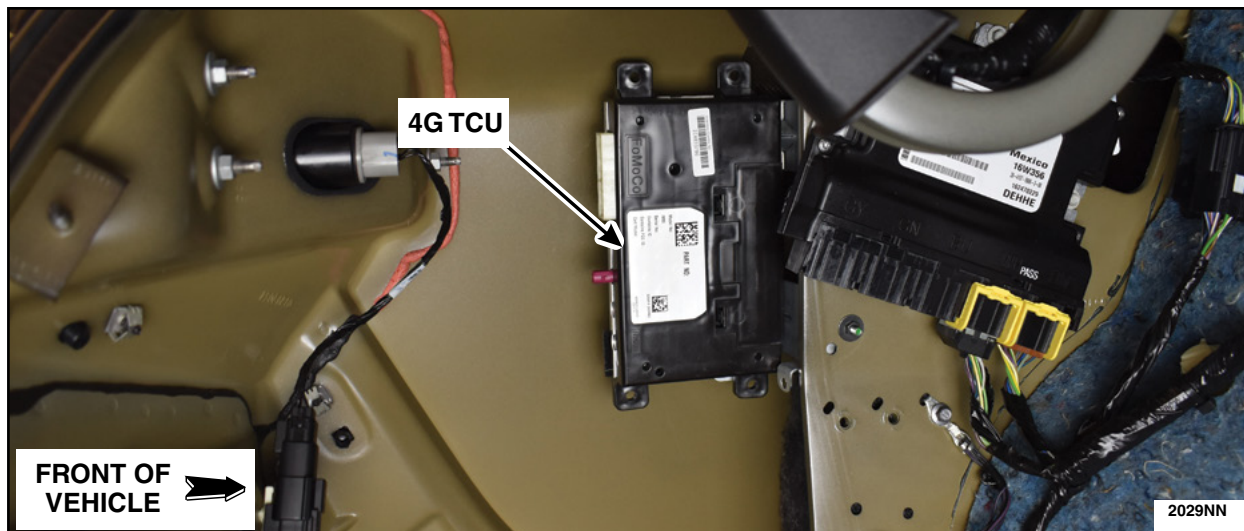


FIGURE 3

5. Remove the Left Hand (LH) side trim of the parcel shelf. Please follow the WSM procedures in Section 501-05.

NOTE: Do not remove the parcel shelf. It is only necessary to remove the LH trim and raise the LH side of the parcel shelf. See Figure 4.



FIGURE 4



6. Install the supplied PET tape on the underside of the parcel shelf and between the center and LH child seat anchor covers. See Figure 5.

a. Rub PET tape into the surface working out any air bubbles visible through the tape.

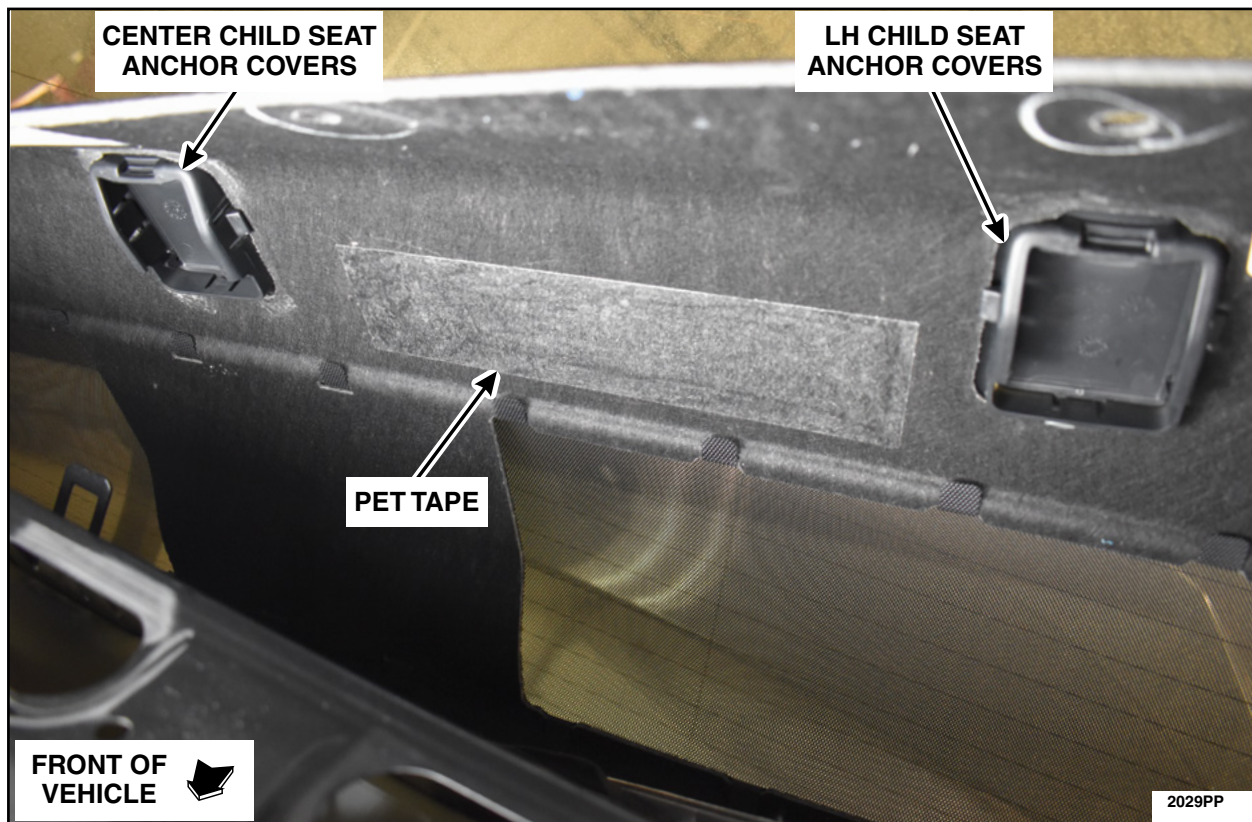


FIGURE 5



7. Install the *new* 4G antenna. See Figure 6.

- a. Remove the antenna backing.
- b. Install the antenna onto previously installed pet tape with cable facing vehicle LH.
- c. With firm evenly applied thumb pressure from center outward, work out air bubbles to ensure good adherence of the antenna.
- d. Remove the cable strain-relief backing and attach and press on to the pet tape.

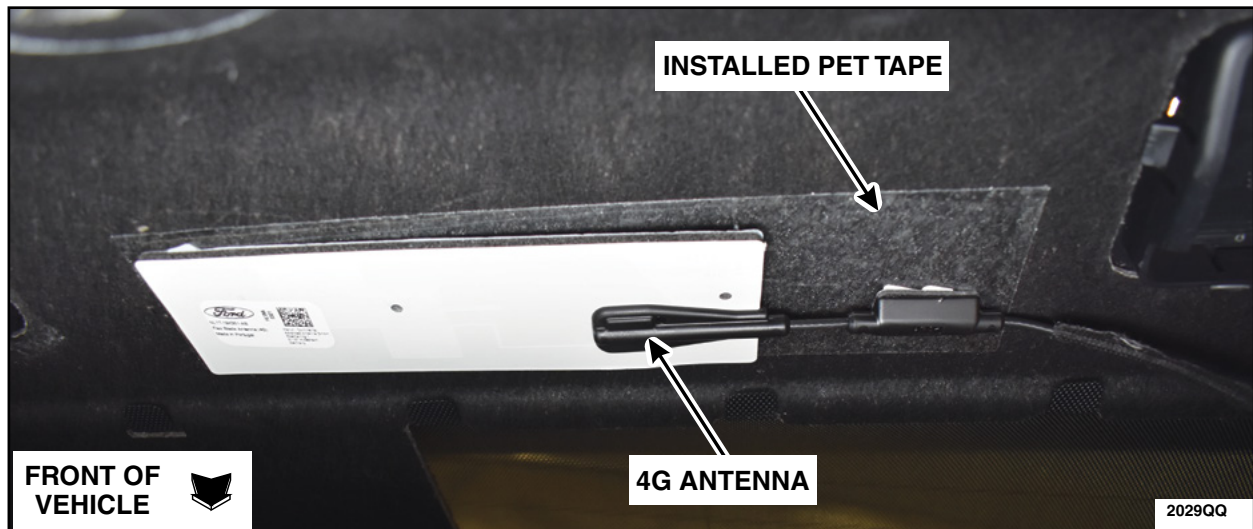


FIGURE 6



8. Connect the electrical connector and the coaxial extension cable. Route the coaxial extension cable behind the wiring harness and upwards towards the rear windshield. See Figure 7.

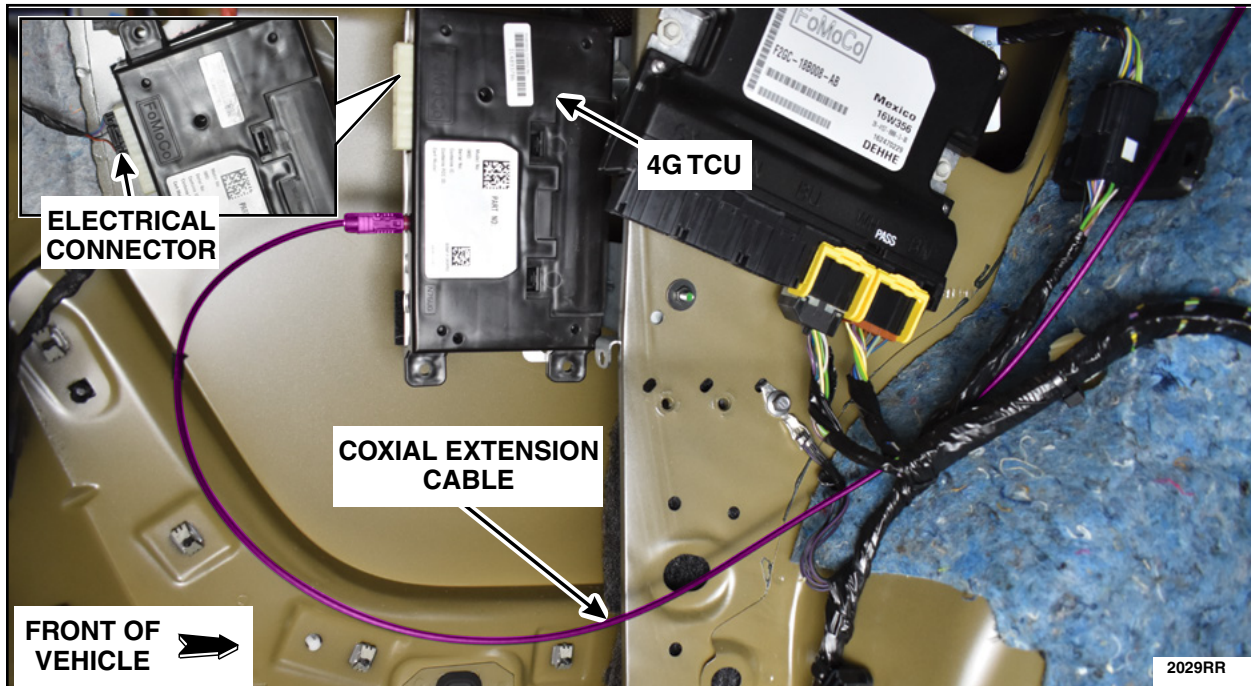


FIGURE 7

9. Route the coaxial extension cable through the opening on the body into the vehicle. See Figure 8.

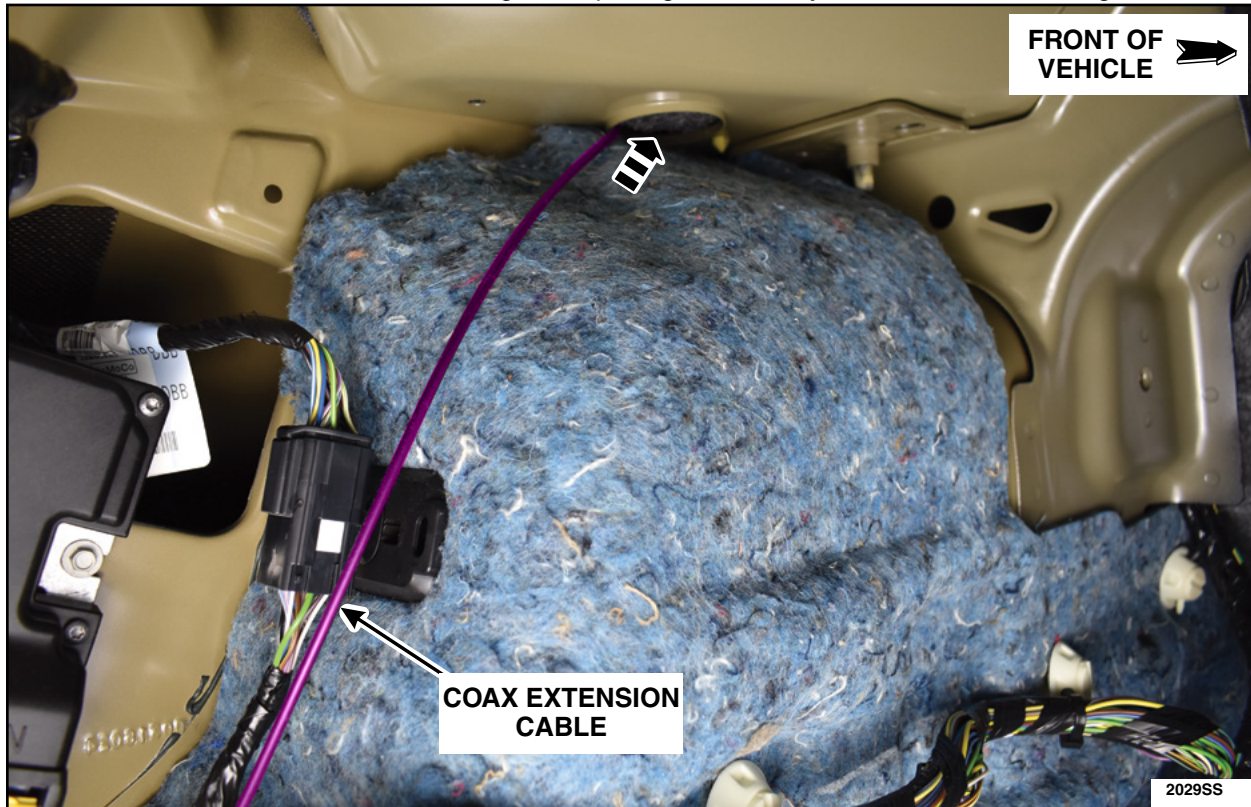


FIGURE 8



10. Route the coaxial extension cable under the foam pad located behind the LH seatbelt and towards the center of the vehicle. See Figure 9.

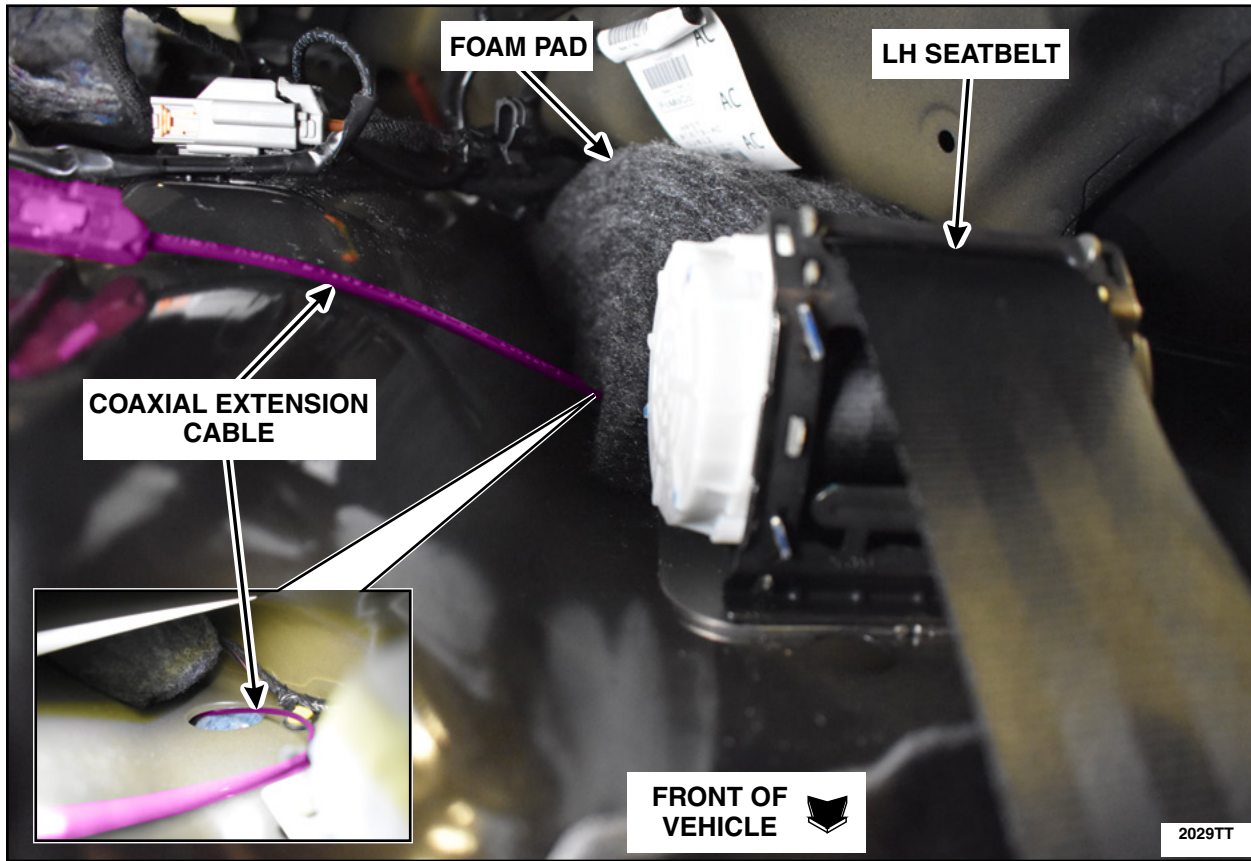


FIGURE 9



11. Connect the coax cable extension and the 4G antenna. See Figure 10.

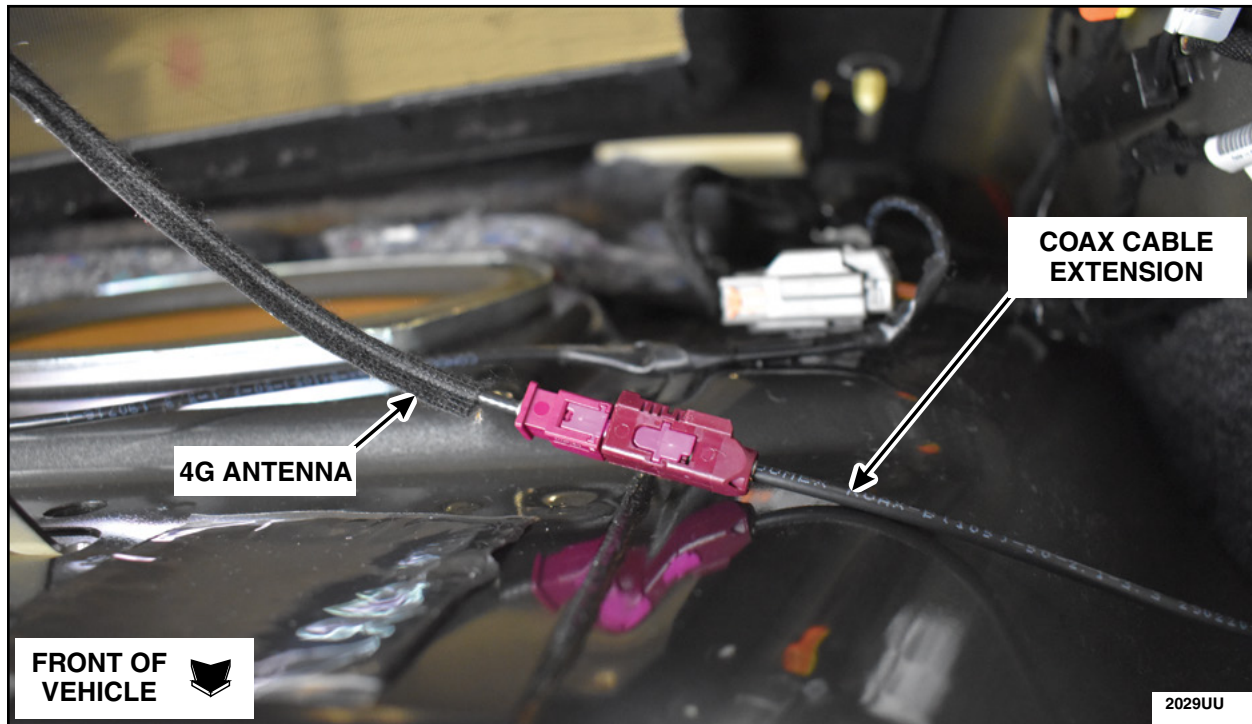


FIGURE 10

12. Reinstall the parcel shelf and the LH side trim. Please follow the WSM procedures in Section 501-05.

13. Finish the PMI process using IDS *that is connected to the Internet*.

14. Turn valet mode ON and then back OFF (for vehicles with an 6-inch or larger display touch screens).

a. Enable valet mode in the infotainment display screen.

- Valet mode is found by going to "**Settings > Vehicle > Valet Mode**" or "**Settings > Valet Mode**".
- Complete the prompts and enter PIN 3681 to complete "enable valet mode".
- PIN 3681 may need to be entered multiple times during this step.

b. Enable valet mode to ON.

c. Turn the key-OFF, allowing the vehicle display to power down fully during the key cycle.

d. Turn the key-ON.

e. Disable (turn OFF) valet mode on the infotainment display screen.

- Complete the prompts and enter PIN 3681 to complete "disable valet mode".

f. Turn the key-OFF, allowing the vehicle display to power down fully during the key cycle.



15. Vehicle is now ready for the customer to connect their phone using the appropriate app at (FordPass or Lincoln Way).

- *Please have the Customers do this step at the dealership to ensure success.*

16. Additional **Customer Owner Instructions For App** are available in PTS/FMC Dealer as separate attachments to this bulletin.

- *Have Customer **Activate Vehicle** following the app instructions.*
- *Select **Allow** on vehicle display screen pop-up.*

NOTE: *If "Allow" popup screen doesn't display, repeat the Valet mode Enable/Disable procedure in Step 14.*

IMPORTANT NOTE: Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall. Unless a part is requested to be returned to Ford, all parts replaced under this FSA must be scrapped in accordance with all applicable local, state and federal environmental protection and hazardous material regulations. Refer to the Parts Retention, Return, & Scrapping section of the FSA dealer bulletin for further information.





Owner Instructions: Smartphone setup and pairing of FordPass™ after 4G System installation.

Further instructions about the FordPass App. can be found at: [Ford.com/Support](https://ford.com/support) under: **FORDPASS™ CONNECT**

1. **Download** the latest FordPass

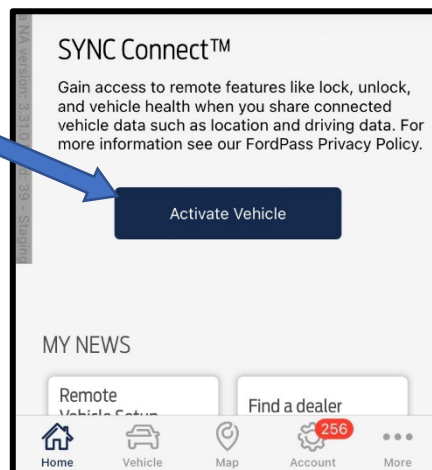
2. Remove the VIN if already in the FordPass app

3. **Add** vehicle's **VIN** to the FordPass Garage, with vehicle turned off.

- VIN can be found in the driver side door opening. (Example: 1FADP0EXAMPLE0001)
- Either type in VIN or use photo scan  option.

4. **Follow** screen prompts in the App and Display SYNC screen.

- **Activate Vehicle** on the Phone App.
- With key on, **Allow** Vehicle authorization on SYNC screen.



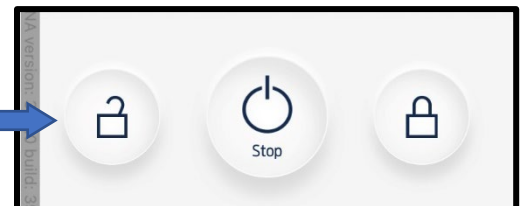
5. **Please Wait.**

- Approximately 5-10 minutes for network communications.
- Refresh phone every few minutes.

6. **Lock / Unlock** vehicle using the FordPass app.

7. **Remote Start** the vehicle via the FordPass app.

8. For Plug-in Hybrid or BEV vehicles, check High Voltage battery charge level is populating in the app



NOTE: If FordPass app does not recognize vehicle after 10 minutes, please perform a **Vehicle SYNC system Master Reset** and complete steps 3 through 5 again.

On vehicle's center display, go to:

- **Settings**, then **General**.
- **Scroll** to bottom.
- **Master Reset** and return to step #3. above.

If you're having trouble activating, FordGuides are here to help: (800) 336-0486



Lincoln
P. O. Box 1904
Dearborn, Michigan 48121

August 2022

Customer Satisfaction Program 21B09

Mr. John Sample
123 Main Street
Anywhere, USA 12345

Your Vehicle Identification Number (VIN): 12345678901234567

At Lincoln, we are committed not only to building high quality, dependable products, but also to building a community of happy, satisfied customers. To demonstrate that commitment, we are providing a no-charge Customer Satisfaction Program for your vehicle with the VIN shown above.

Why are you receiving this notice? Cellular companies began decommissioning 3G networks in August 2021, and a complete shutdown of the 3G network took place in February 2022. As a result, the 3G modem in your vehicle is no longer able to transmit data.

What is the effect? If you utilized remote features within The Lincoln Way™ App, the decommissioned 3G network resulted in a loss of wireless functionality for connected app-to-vehicle features such as: Remote Lock & Unlock, Remote Start & Stop, Vehicle Status, Tire Pressure, Fuel Level, and Mileage. Cellular 3G network decommissioning did not impact control or performance of your vehicle. If you do not utilize The Lincoln Way™ App, you will not notice the effects of the decommissioning. If you would like more information about The Lincoln Way™ App services, additional information can be found on the [Lincoln.com/Support](https://www.lincoln.com/support) web site.

What will Lincoln and your dealer do? In the interest of client satisfaction, Lincoln has authorized your dealer to cover the cost of labor and certain one-time-use parts to install a 4G upgrade kit (modem and antenna) so remote app functionality can be restored. Note, the vehicle owner is responsible for the purchase of the 4G upgrade kit. **This Customer Satisfaction Program has been extended to March 31, 2023, regardless of mileage.** Coverage is automatically transferred to subsequent owners.

How long will it take? The time needed for this repair is less than one-half day. However, due to service scheduling requirements, your dealer may need your vehicle for a longer period of time.

What should you do? To restore app-to-vehicle features via the Lincoln Way App, please call your dealer to schedule a service appointment for Customer Satisfaction Program **21B09**. Provide your dealer with your VIN, which is printed near your name at the beginning of this letter.

You will need to purchase the 4G upgrade kit from your dealer. Additional app set up, such as removing and re-adding the VIN in the app will be needed following the 4G modem installation.

NOTE: 4G upgrade kit availability may be limited due to supply constraints.

Lincoln owners of 2017 Model Year or later vehicles affected by this recall have the option of requesting complimentary Pickup & Delivery service with a Lincoln vehicle for use during service. Please request Lincoln Pickup & Delivery through your dealer if you would like to take advantage of this option.

If you do not already have a servicing dealer, you can access Lincoln.com for dealer addresses, maps, and driving instructions.

Lincoln recommends you have this service action completed on your vehicle to experience the benefits and features enabled by the Lincoln Way App.

Once your vehicle has been upgraded with the 4G upgrade kit, use the Lincoln Way™ App to access remote features like start/stop, get important vehicle information like fuel and oil levels, service history and warranty details at your fingertips. You can receive information about Recalls and Customer Satisfaction Programs through The Lincoln Way™ app as well. The app can be downloaded through the App Store or Google Play.

What if you no longer own this vehicle? If you no longer own this vehicle, and have an address for the current owner, please forward this letter to the new owner.

You received this notice because our records, which are based primarily on state registration and title data, indicate you are the current owner.

Can we assist you further? If you have difficulties getting your vehicle repaired promptly and without charge, please contact your dealership's Service Manager for assistance.

RETAIL OWNERS: If you have questions or concerns, please contact our **Customer Relationship Center at 1-866-436-7332** and one of our representatives will be happy to assist you. If you wish to contact Lincoln, contact information is available at Lincoln.com/support.

For the hearing impaired, call 1-800-232-5952 (TDD). Representatives are available Monday through Friday: 8:00AM - 8:00PM (Eastern Time).

FLEET OWNERS: If you have questions or concerns, please contact our **Ford Pro Contact Center at 1-800-34-FLEET**, choose Option #1, and one of our representatives will be happy to assist you. If you wish to contact us through the Internet, our address is: fleet.ford.com.

Representatives are available Monday through Friday: 7:00AM - 11:00PM and Saturday 7:00AM – 5:00PM (Eastern Time).

Thank you for your attention to this important matter.

Lincoln



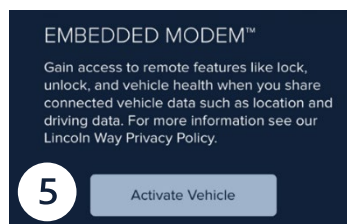
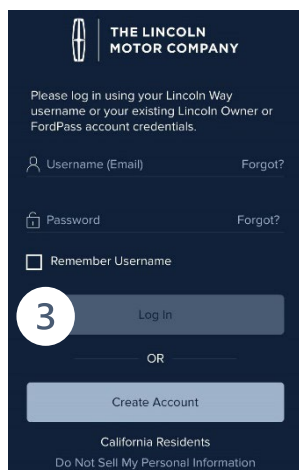
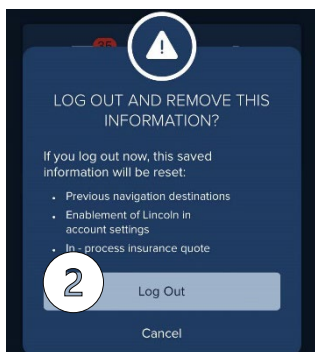
Owner Instructions: Smartphone setup and pairing of Lincoln Way™ after 4G System installation.

1. **Download** the latest Lincoln Way app if not already.
 - **Remove** VIN from Lincoln Way app if it has already been added in the app
 - If new to the Lincoln Way App, **Create Account & Add VIN**.
2. **Log out** of the Lincoln Way App.
3. **Log In** on the Lincoln Way App.
4. **Add** vehicle's VIN (driver side door label) – either type in VIN or use photo scan
5. **Activate** Vehicle when asked.
 - With **Key On**, see message on the SYNC touchscreen. Select **Allow**.
6. **Please Wait** ~ approximately 5 minutes to allow for network communications.
 - Refresh phone every few minutes.
7. Perform a **Lock / Unlock** command and a **Remote Start** command through the Lincoln Way App

NOTE: If Lincoln Way App does not recognize vehicle after +5 minutes, please perform a **Vehicle SYNC system Master Reset**.

On vehicle's center display, go to:

- **Settings**, then **General**
- **Scroll** to bottom.
- **Master Reset**
- Return to step #2 above.



If you're having trouble activating, a Lincoln Concierge is here to help: (844)-324-2330

