

415-00B Information and Entertainment System - General Information - Vehicles
With: SYNC 3

2019 Ranger

Removal and Installation

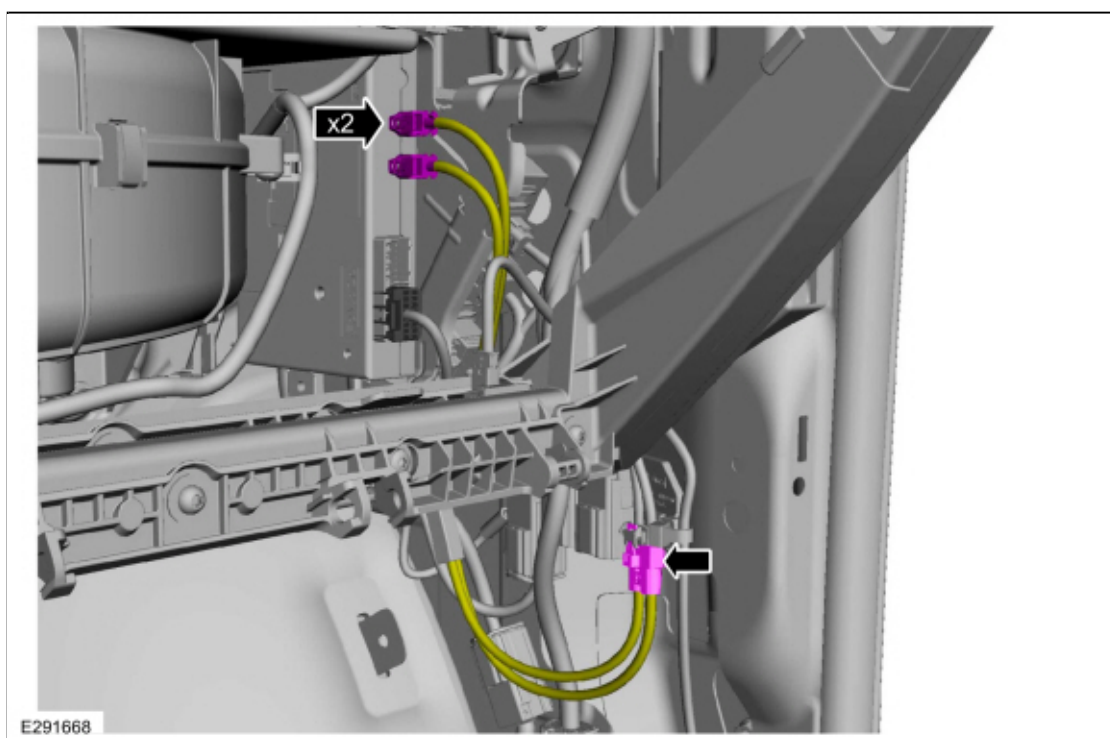
Procedure revision date:
12/3/2018

Telematics Control Unit (TCU) Module Antenna Coaxial Cable

Removal

Lower telematics control unit (TCU) cable

1. Remove the RH cowl side trim panel.
Refer to: [Cowl Side Trim Panel](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).
2. Remove the glove compartment assembly.
Refer to: [Glove Compartment](#) (501-12 Instrument Panel and Console, Removal and Installation).
3. Disconnect the electrical connectors and remove the lower TCU cables.

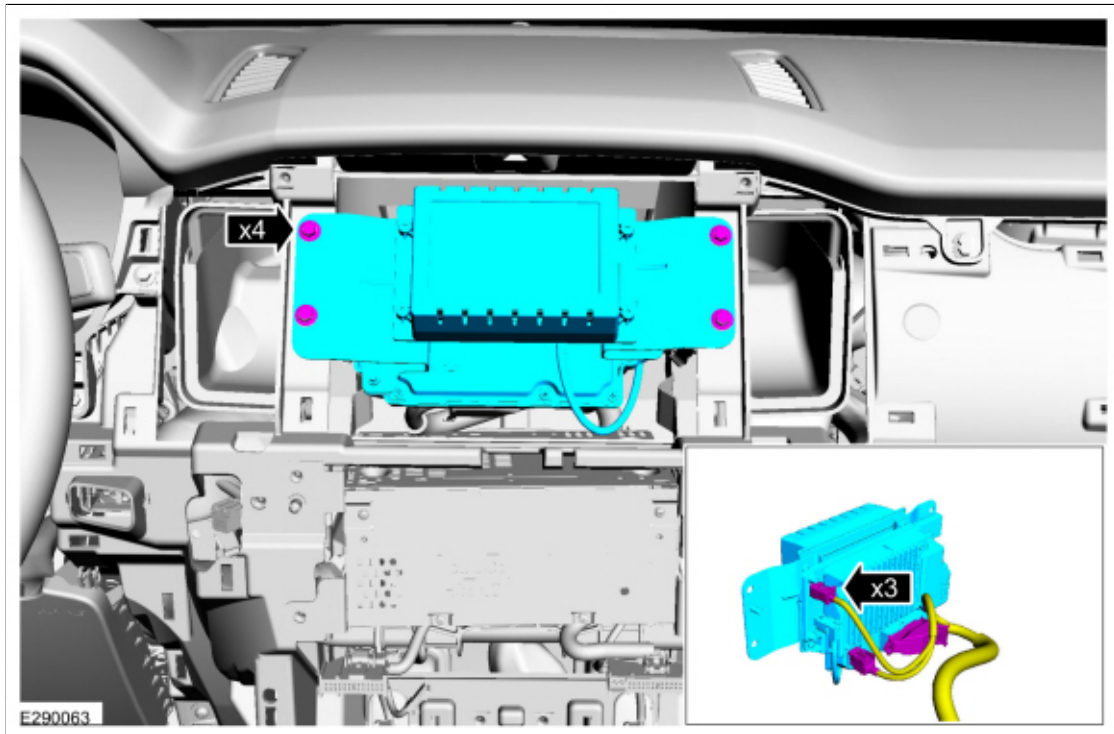


Instrument panel telematics control unit (TCU) antenna cable

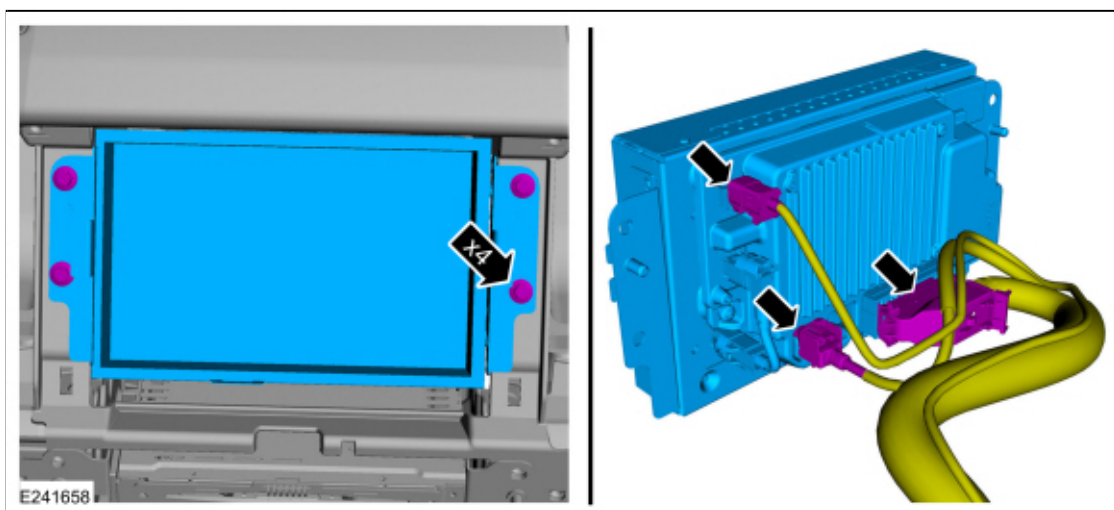
NOTE: The original equipment TCU antenna cable is part of the wiring harness and cannot be removed. This procedure refers to replacement of the cable only by overlaying the cable.

4. Remove the RH cowl side trim panel.
Refer to: [Cowl Side Trim Panel](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).
5. Remove the glove compartment assembly.
Refer to: [Glove Compartment](#) (501-12 Instrument Panel and Console, Removal and Installation).

6. Remove the ACM.
Refer to: [Audio Front Control Module \(ACM\)](#) (415-00B Information and Entertainment System - General Information - Vehicles With: SYNC 3, Removal and Installation).
7. On vehicles not equipped with touchscreen display.
Remove the screws, disconnect the electrical connectors and remove the FCDIM and APIM as an assembly.
Torque: 27 lb.in (3 Nm)



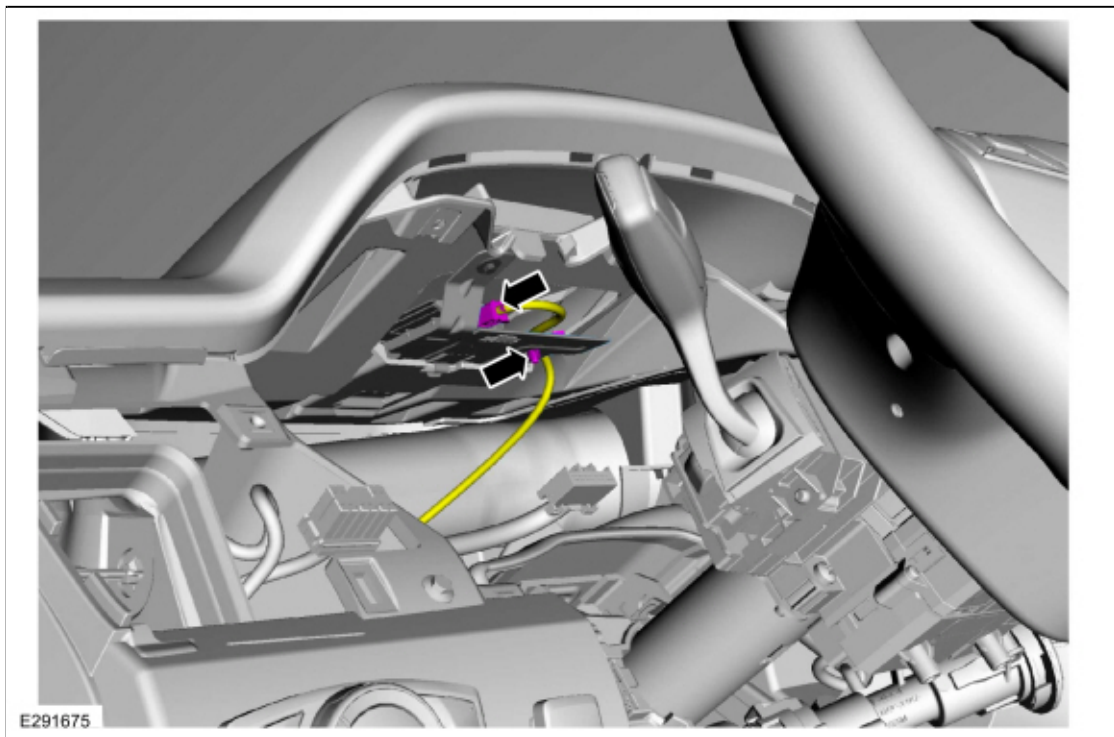
8. On vehicles equipped with touchscreen display.
Remove the screws, disconnect the electrical connectors and remove the FDIM.
Torque: 27 lb.in (3 Nm)



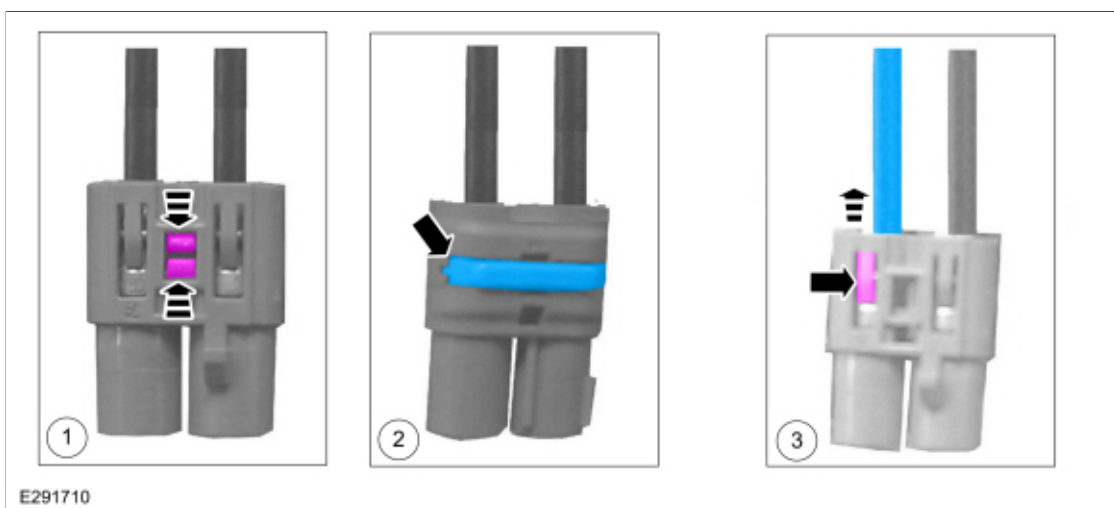
9. Remove the IPC.

Refer to: [Instrument Panel Cluster \(IPC\)](#) (413-01 Instrumentation, Message Center and Warning Chimes, Removal and Installation).

10. Separate the wire harness guide and disconnect the electrical connector.



11. Remove the TCU antenna coaxial cable from the connector.
1. Release the tabs.
 2. Remove the locking tab.
 3. Release the tab and remove TCU antenna coaxial cable.



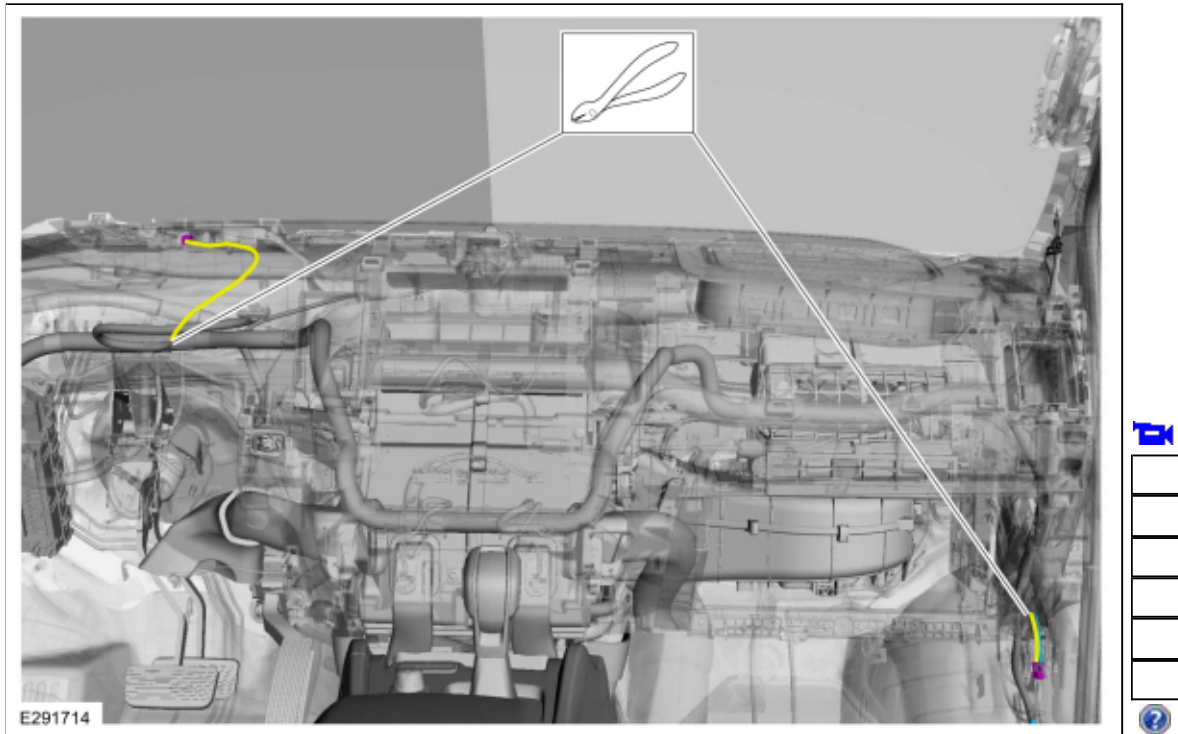
Installation

Lower telematics control unit (TCU) cable

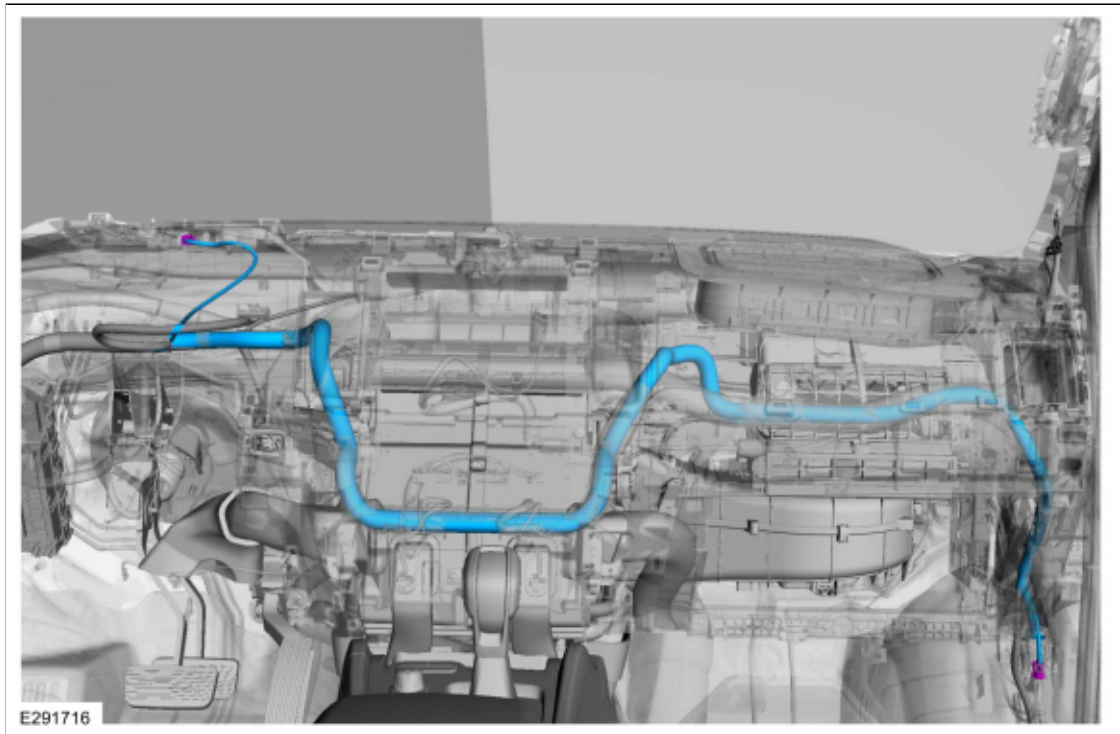
1. To install, reverse the removal procedure.

Instrument panel telematics control unit (TCU) antenna cable

2. Cut the ends off of the TCU antenna coaxial cable.



3. Overlay using the routing shown and secure the new TCU antenna coaxial cable to the instrument panel wiring harness, as necessary to prevent NVH concerns.



4. To install, reverse the removal procedure.

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