



SERVICE CAMPAIGN BULLETIN

Reference:

NTB17-071

Date:

June 22, 2017

VOLUNTARY SERVICE CAMPAIGN 2012-2014 TITAN, FRONTIER, AND XTERRA; AIR BAG DIAGNOSIS SENSOR UNIT

CAMPAIGN ID #: P7318

APPLIED VEHICLES: 2012-2014 Titan (A60)
2012-2014 Frontier (D40)
2012-2014 Xterra (N50)

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting a voluntary service campaign on certain specific model year 2012-2014 Titan, Frontier, and Xterra vehicles to reprogram the air bag diagnosis sensor unit. This repair will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number P7318 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

Dealers are to repair vehicles falling within range of this campaign that enter the service department. This includes vehicles purchased from private parties, vehicles presented by transient (tourists) owners, and vehicles in a dealer's inventory.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

WARNING: This procedure involves removal of the center console. There are sharp edges on this part, and surrounding it.

IMPORTANT: Follow all warnings, cautions, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an air bag.

CAUTION: Use suitable protective covering when working in the vehicle interior. Place all removed interior parts in a clean protected area.

1. Park the vehicle, and then set the parking brake.

2. Remove the center console:

For Frontier and Xterra:

- a. Refer to the ESM, section **IP-Instrument Panel**, for center console removal.
- b. Place the center console assembly out of the way or in a clean protected area.
- c. Go to page 11, **Prepare Air Bag Diagnosis Sensor Unit for Reprogramming.**

For Titan: continue with the following steps.

3. Record audio presets.

Presets	1	2	3	4	5	6
AM						
FM 1						
FM 2						
SAT 1						
SAT 2/3						
Bass	Treble	Balance	Fade	Speed Sen. Vol.		

4. Place the shift selector in the Neutral position.

5. Remove the shift selector knob by unscrewing it counterclockwise.



Figure A

6. Remove the console upper finisher.
 - The console upper finisher has six (6) clips, two on each side and two up front.

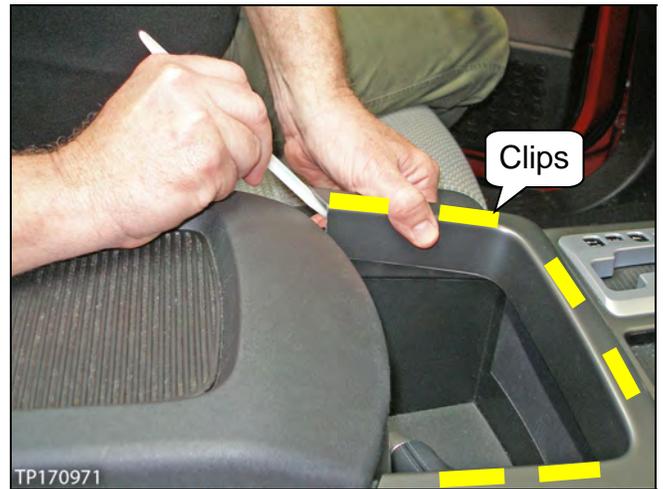


Figure B

7. Remove the A/T finisher.
 - a. Place the shifter in the Park position.
 - b. Unfasten the clips at the rear of the A/T finisher.



Figure C

- c. Place the shifter in the Neutral position.
 - d. Lift up the rear end of the A/T finisher, move the A/T finisher rearward, and then carefully lift up over the shift selector shaft.

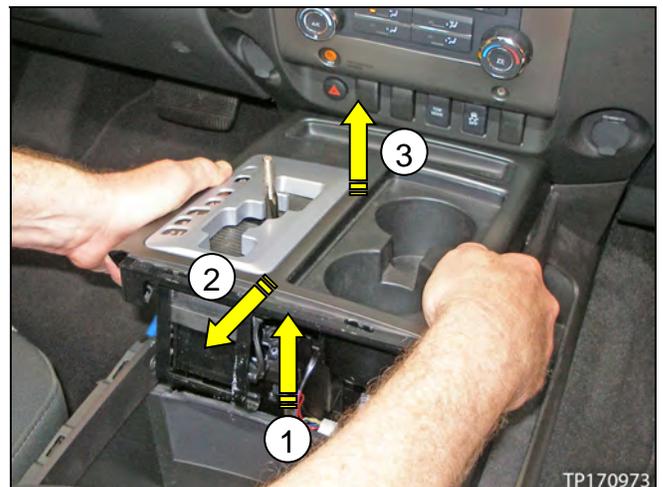


Figure D

- e. Place suitable protective covering where shown in Figure E.
- f. For now, place the A/T finisher on the front passenger seat.



Figure E

- g. Disconnect the electrical connector (connector) where shown in Figure F, and then remove the A/T finisher.
 - The locking tab is located at the bottom of the connector.
- 8. Carefully unclip the A/T finisher electrical harness (harness) and connector from the inside of the center console.
 - Be careful when unfastening. These clips will be reused.
- 9. Push the harness out of the way into the bottom center area of the instrument panel.

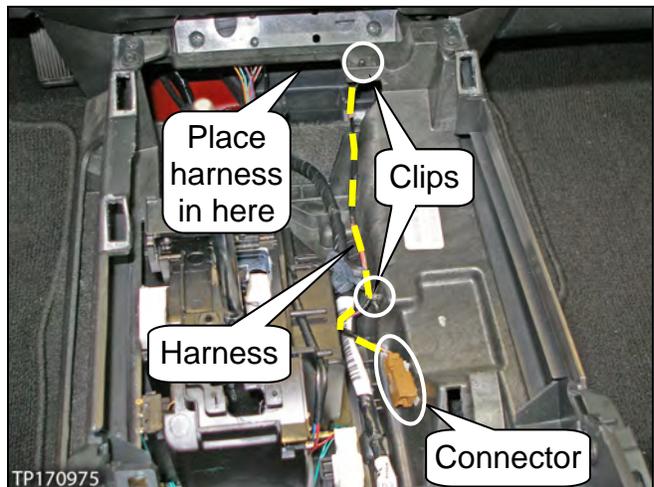


Figure F

- 10. Place the shift selector in the Park position.
- 11. Disengage the control cable from the shift selector.
 - Place a suitable tool (such as a medium size flat blade screwdriver) where shown in Figure G, and then twist.

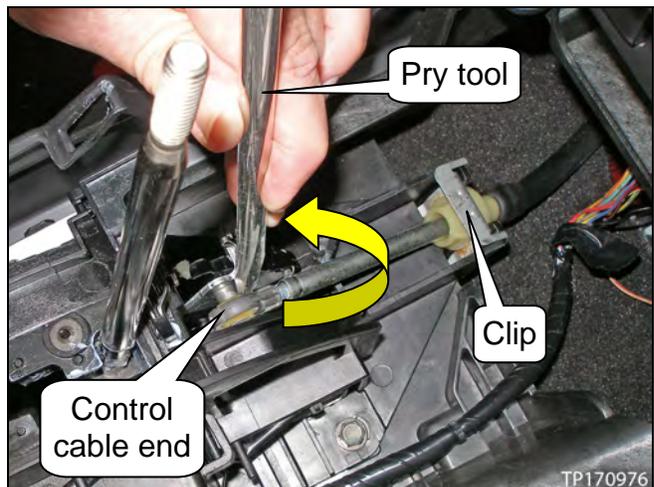


Figure G

12. Remove the clip (see previous page, Figure G), and then disengage the control cable from the center console.

NOTE: This clip will be reused.

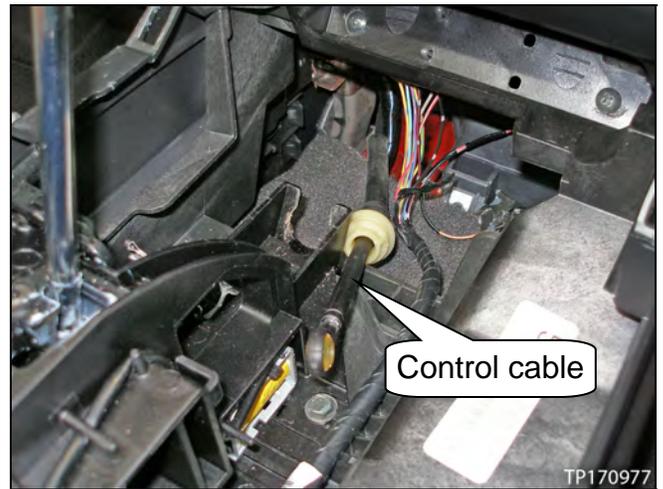


Figure H

13. Unfasten both connector clips shown in Figure i.

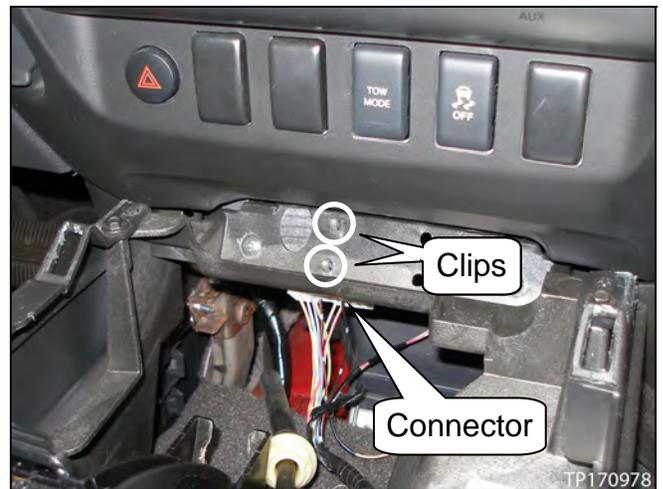


Figure i

14. Access the connector, and then disconnect it (see Figures i and J).



Figure J

15. If equipped: Open the glove box, and then unfasten the glove box damper clip.

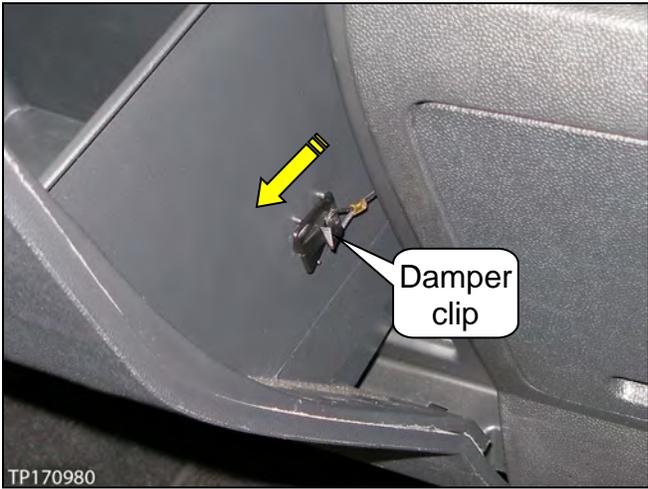


Figure K

16. Grab the glove box and apply inward side pressure to release both dowels.

- Use a clean cloth on the inside to protect instrument panel surfaces.

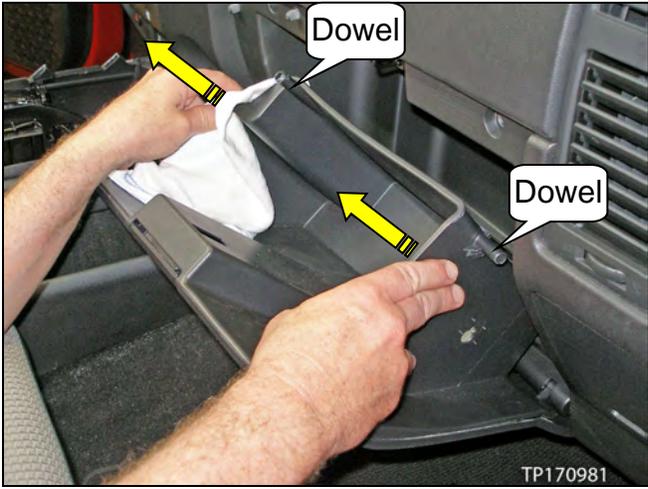


Figure L

17. Carefully lower the glove box, and then remove the one (1) lower and three (3) upper black screws.

- Do not remove the other screws pointed out in Figure M.

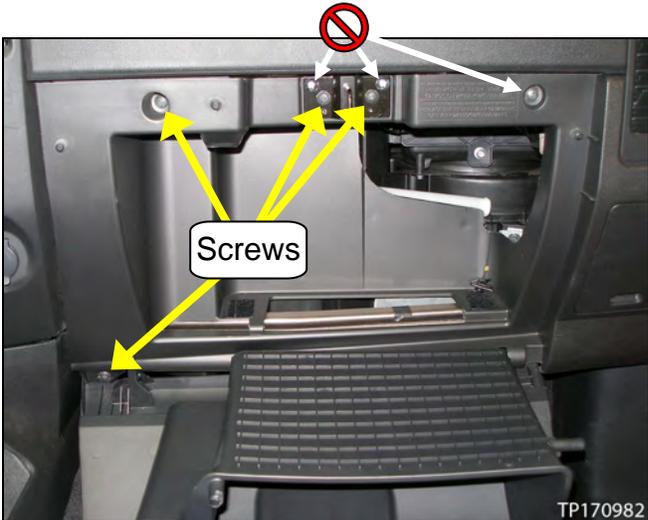


Figure M

18. Perform step 16 in reverse, and then close and latch the glove box.



Figure N

19. Remove both center console front screws.



Figure O

20. Remove two (2) screws under the console bin mat shown in Figure P.

- If equipped: Do not remove the third screw pointed out in Figure P.



Figure P

21. Remove the center console lower cover LH and the screw behind it.

- Unfasten the clips, and then pull out with the dowel to remove the cover.

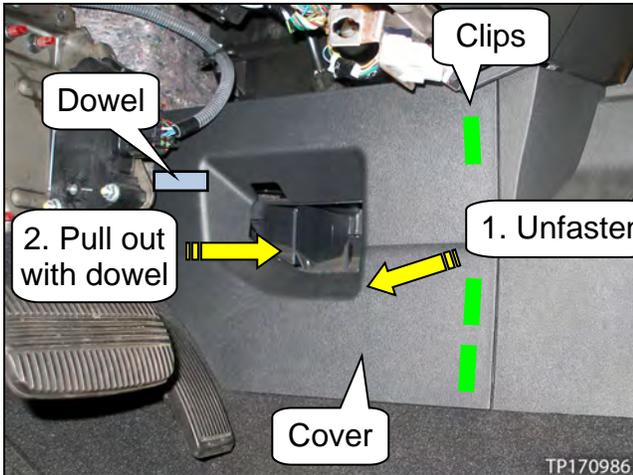


Figure Q

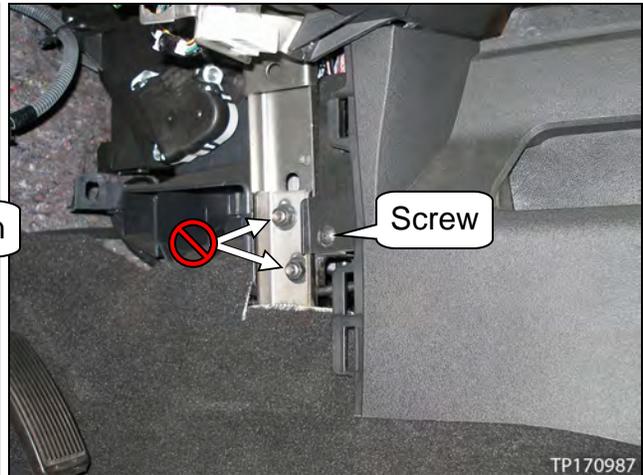


Figure R

22. Remove the center console lower cover RH and the screw behind it.

- Unfasten the clips, and then carefully remove the cover with dowel.

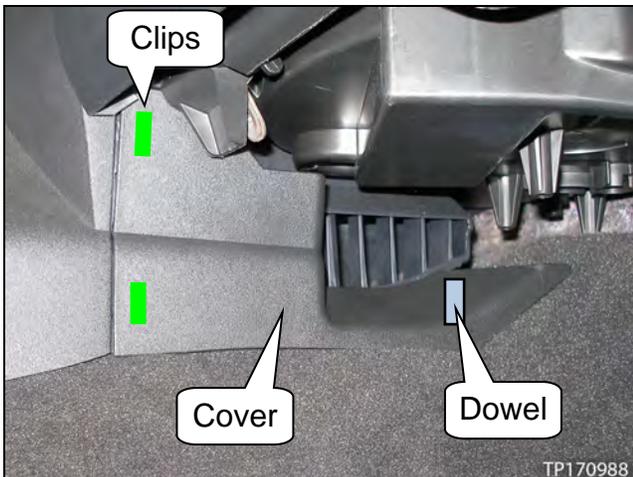


Figure S

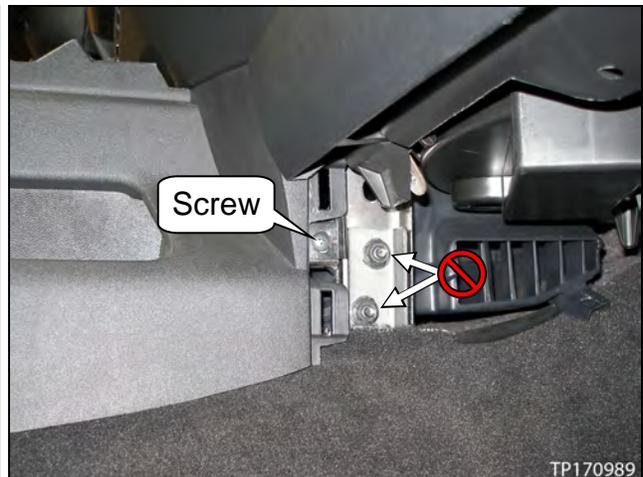


Figure T

23. Position both front seats in the full forward and forward recline positions.

24. Remove both center console side bolts (see Figure U and V).

- Both bolts can be accessed from under each front seat.

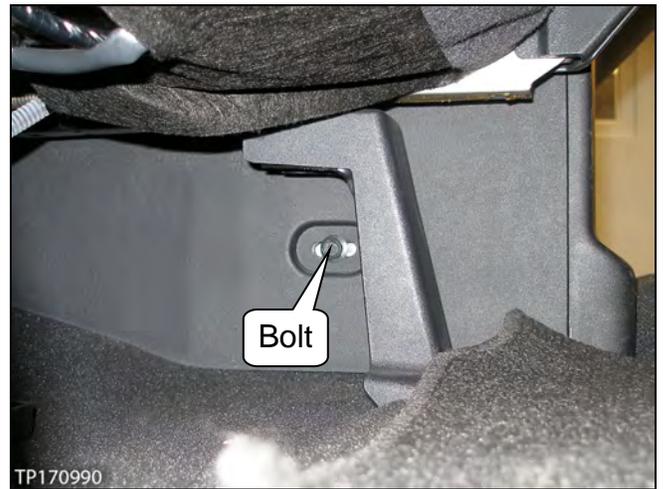


Figure U



Figure V

25. Carefully, slightly lift up the rear of the center console, and then carefully pull it rearward, enough to pull out its front aligning tabs.

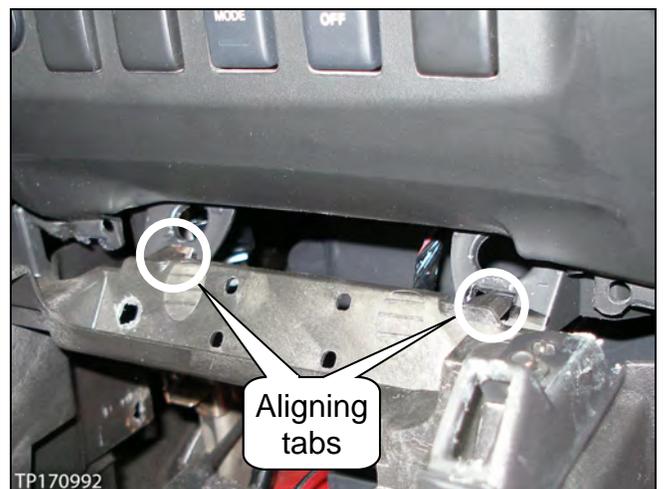


Figure W

26. Release the center console from the glove box.

- a. Carefully pull back on the lower left corner of the glove box.
- b. While performing 26a, push slightly on the front right of the center console toward the driver side.
 - Performing 26a and 26b will release the tongue and groove portions of the center console and glove box.

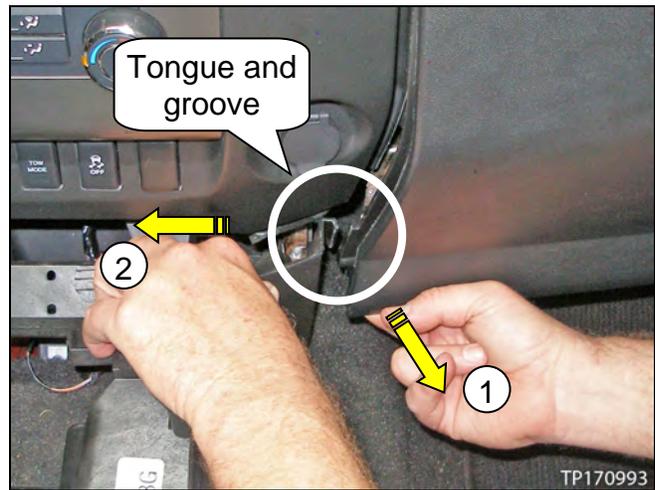


Figure X

CAUTION: Do not apply excessive force on either part or damage may occur.

27. Pull the center console assembly rearward, and then remove by lifting upward.

- If more room is needed, raise the rear seat cushion in the upward position.

CAUTION: Do not damage the air bag diagnosis sensor unit or its related wiring when removing the center console.

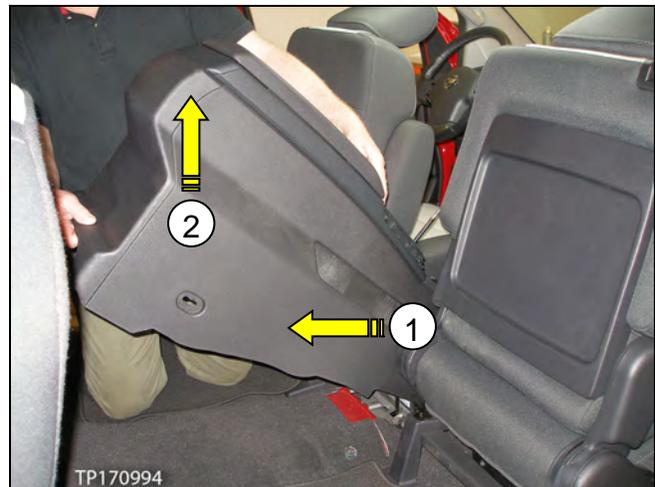


Figure Y

28. Place the center console assembly out of the way or in a clean protected area.

29. Disconnect the battery cables, negative battery cable first, and then wait at least three (3) minutes before continuing.

Go to **Prepare Air Bag Diagnosis Sensor Unit for Reprogramming** on the next page.

Prepare Air Bag Diagnosis Sensor Unit for Reprogramming

NOTE:

- The air bag diagnosis sensor unit does not need to be removed, only accessed.
- The air bag diagnosis sensor unit in the vehicle being worked on may differ slightly to the one shown in Figure Z below.

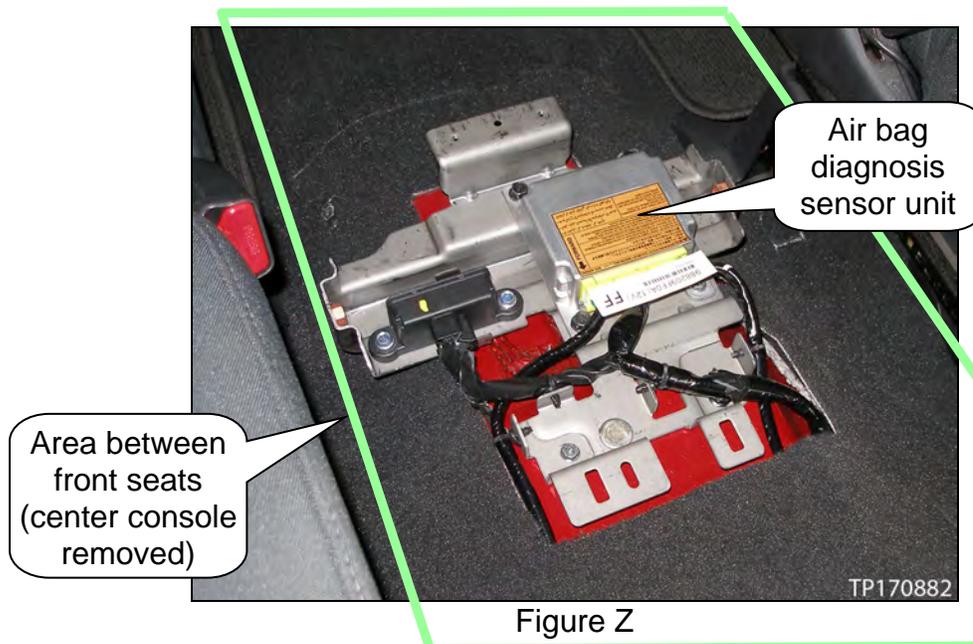


Figure Z

1. Disconnect the air bag diagnosis sensor unit's center connector.
 - Notice the two (2) terminals on the top side of the connector.

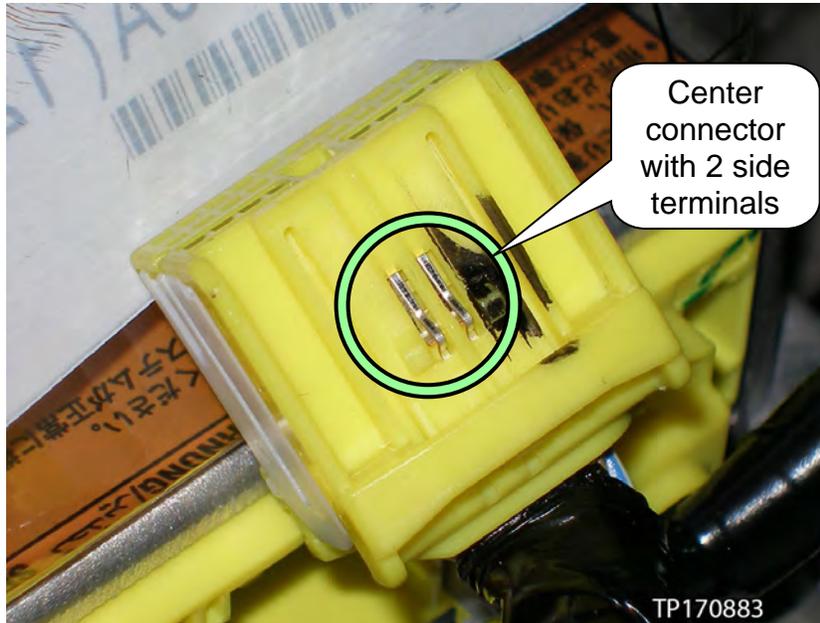


Figure AA

2. Apply electrical tape over the 2 terminals located on the side of the center connector.
 - Make sure the connector's locking tab can still be accessed.
 - Do not cover any other terminals with electrical tape.

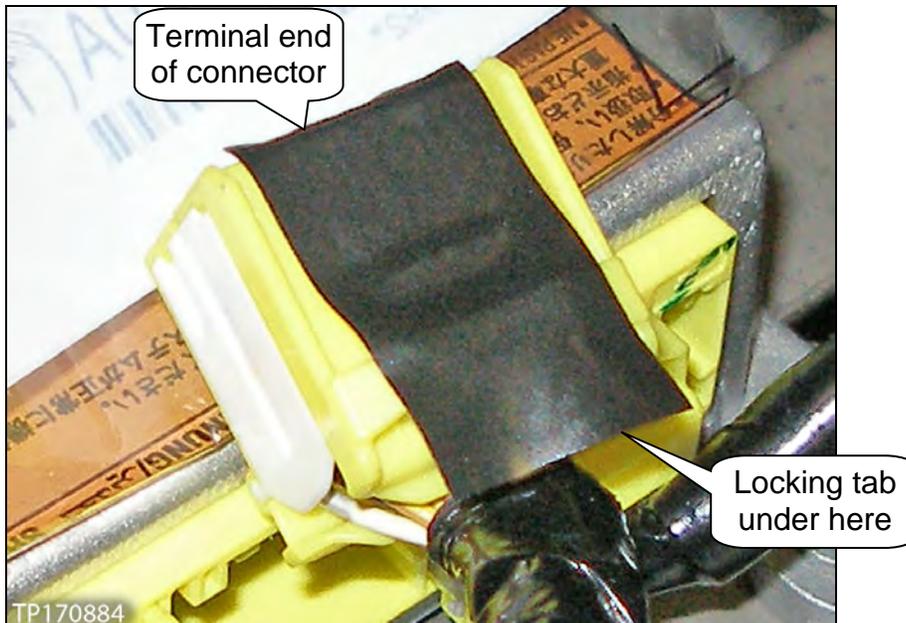


Figure BB

3. Reconnect the center connector (with tape applied).
4. Reconnect the battery cables, positive battery cable first, and then go to **Reprogramming Procedure** on the next page.

NOTE: Do not reassemble the vehicle interior at this time. This needs to be performed after air bag diagnosis sensor unit reprogramming is complete.

Reprogramming Procedure

IMPORTANT: Before starting, make sure:

- **ASIST on the CONSULT PC has been freshly synchronized (updated).**
- **All CONSULT-III plus (C-III plus) software updates (if any) have been installed.**

NOTE: The CONSULT PC automatically gets applicable reprogramming data during ASIST synchronization.

- A screen print for Warranty documentation can be done from the CONSULT PC during this process while still connected to the vehicle.

1. Connect the plus VI to the vehicle.

CAUTION: Make sure the plus VI is securely connected. If the plus VI connection is loose during reprogramming, the process will be interrupted and the air bag diagnosis sensor unit may be damaged.

2. Connect the AC Adapter to the CONSULT PC.

CAUTION: Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the air bag diagnosis sensor unit may be damaged.

3. Connect the GR-8 battery charger to the vehicle battery:

CAUTION: Be sure the battery charger is connected securely to the battery. Make sure the battery voltage stays between 12.0V and 15.5V during reprogramming. If the battery voltage goes out of this range during reprogramming, the air bag diagnosis sensor unit may be damaged.

4. Turn off all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the plus VI.

CAUTION: Make sure to turn OFF all external Bluetooth® devices. If Bluetooth® signal waves are within range of the CONSULT PC and the plus VI during reprogramming, reprogramming may be interrupted and the air bag diagnosis sensor unit may be damaged.

5. Turn the ignition ON with the engine OFF.

6. Turn OFF all vehicle electrical loads such as exterior lights, interior lights, HVAC, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc.

IMPORTANT: Make sure to turn OFF all vehicle electrical loads. Make sure the battery voltage stays between 12.0V and 15.5V during reprogramming. If the battery voltage goes out of this range during reprogramming, the air bag diagnosis sensor unit may be damaged.

7. Turn ON the CONSULT PC, and then select / open C-III plus.
8. Wait for the plus VI to be recognized / connected.
 - The serial number will display when the plus VI is recognized / connected.
9. Select **Diagnosis (One System)**.

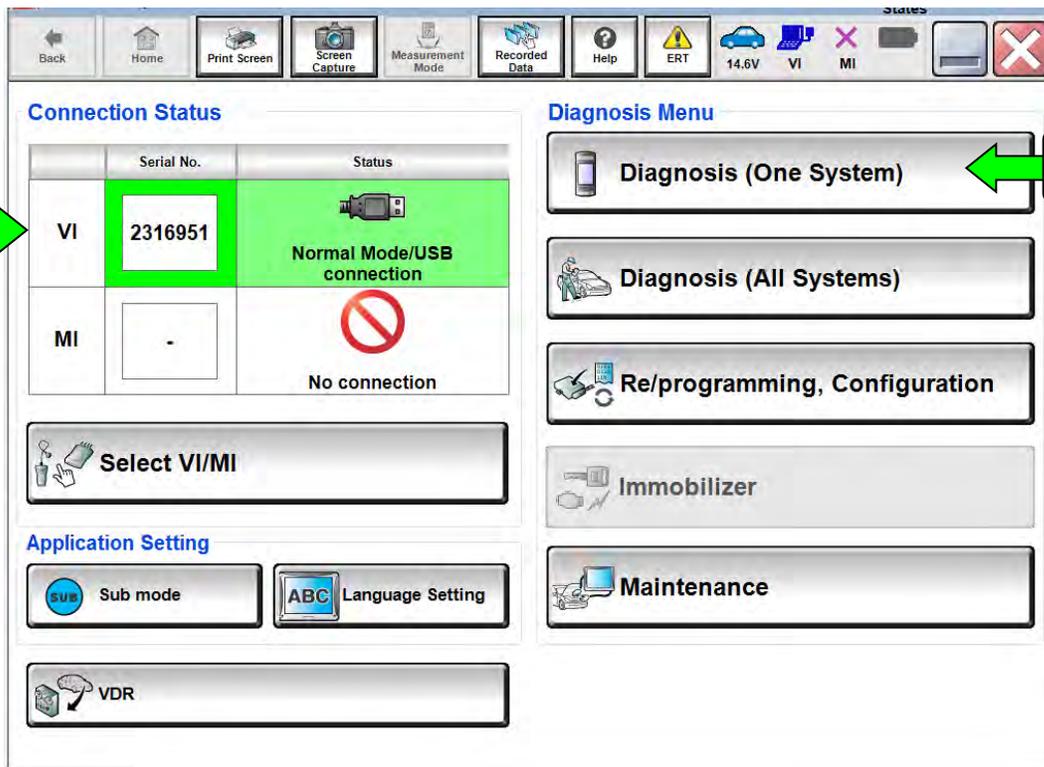


Figure 1

10. Select AIR BAG.

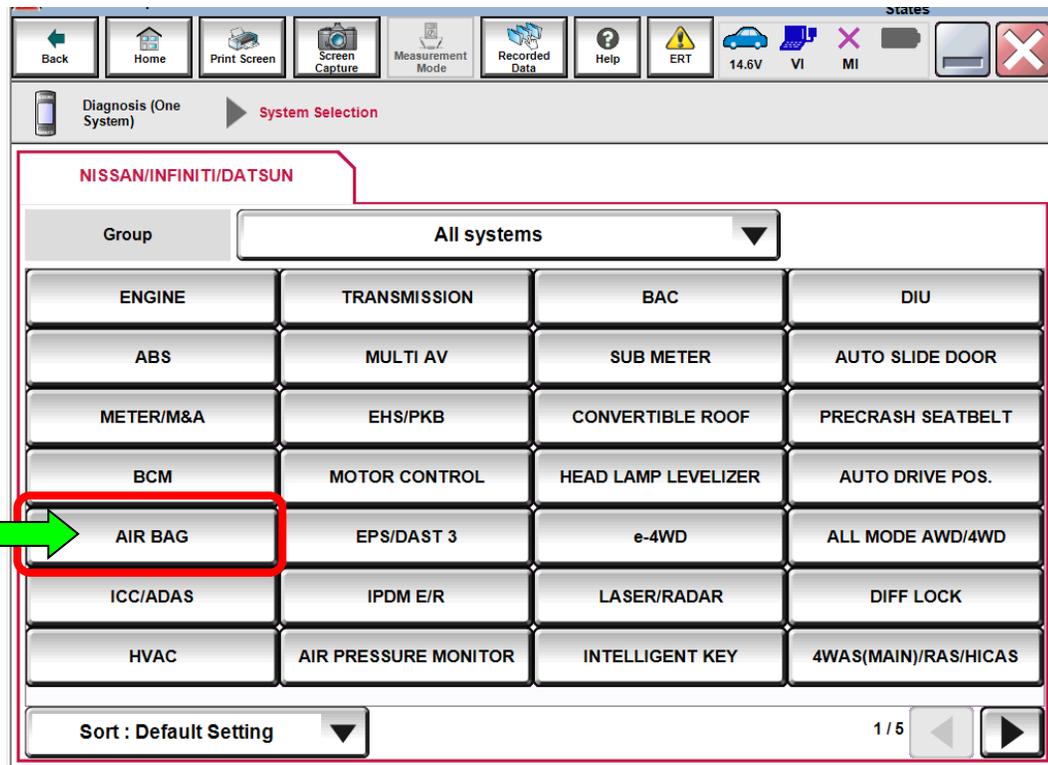


Figure 2

11. Select the **Work support** tab, and then select **Change parameter**.

12. Select **Start**.

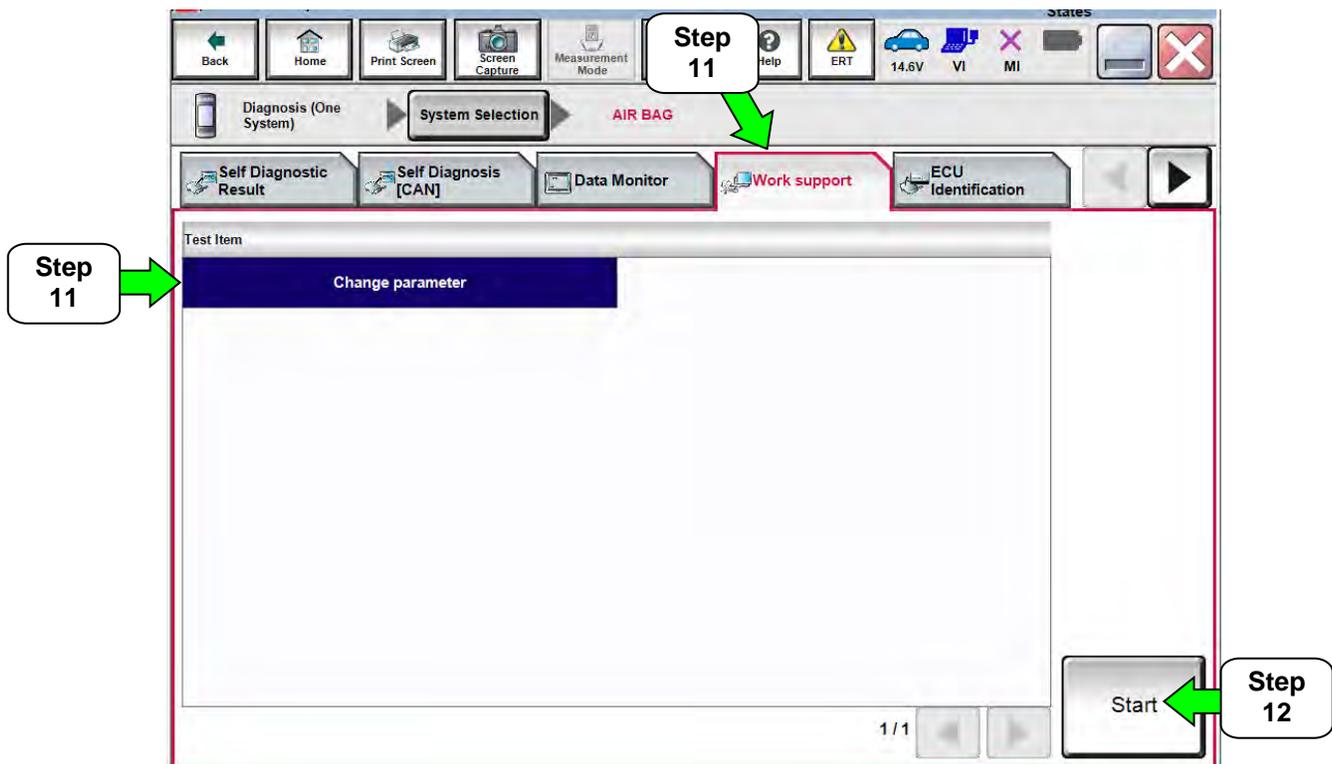


Figure 3

13. Select **Start**.

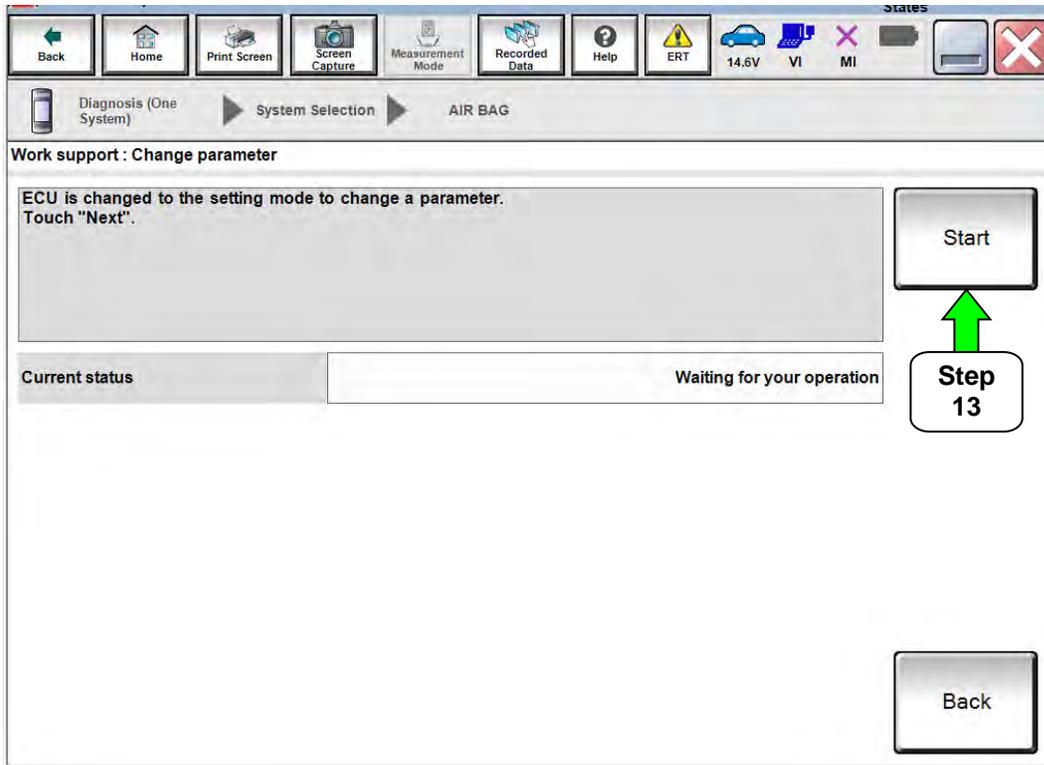


Figure 4

14. Wait for the operation to complete executing.

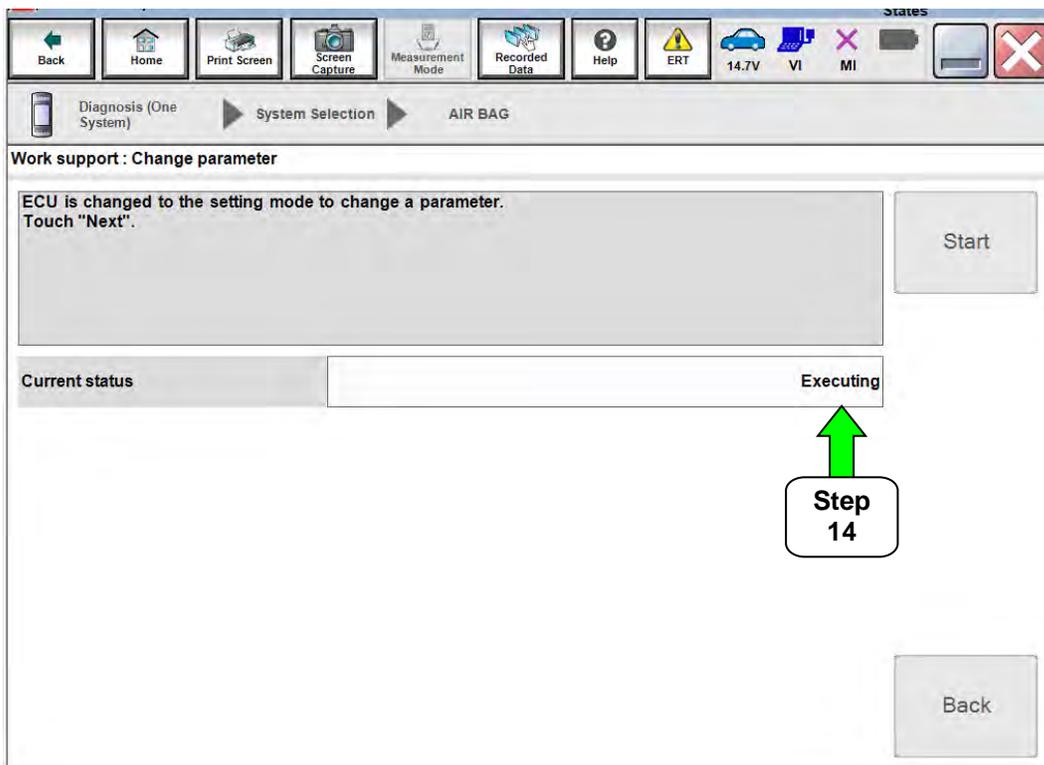


Figure 5

15. Turn the ignition OFF.

16. Select **Next**.

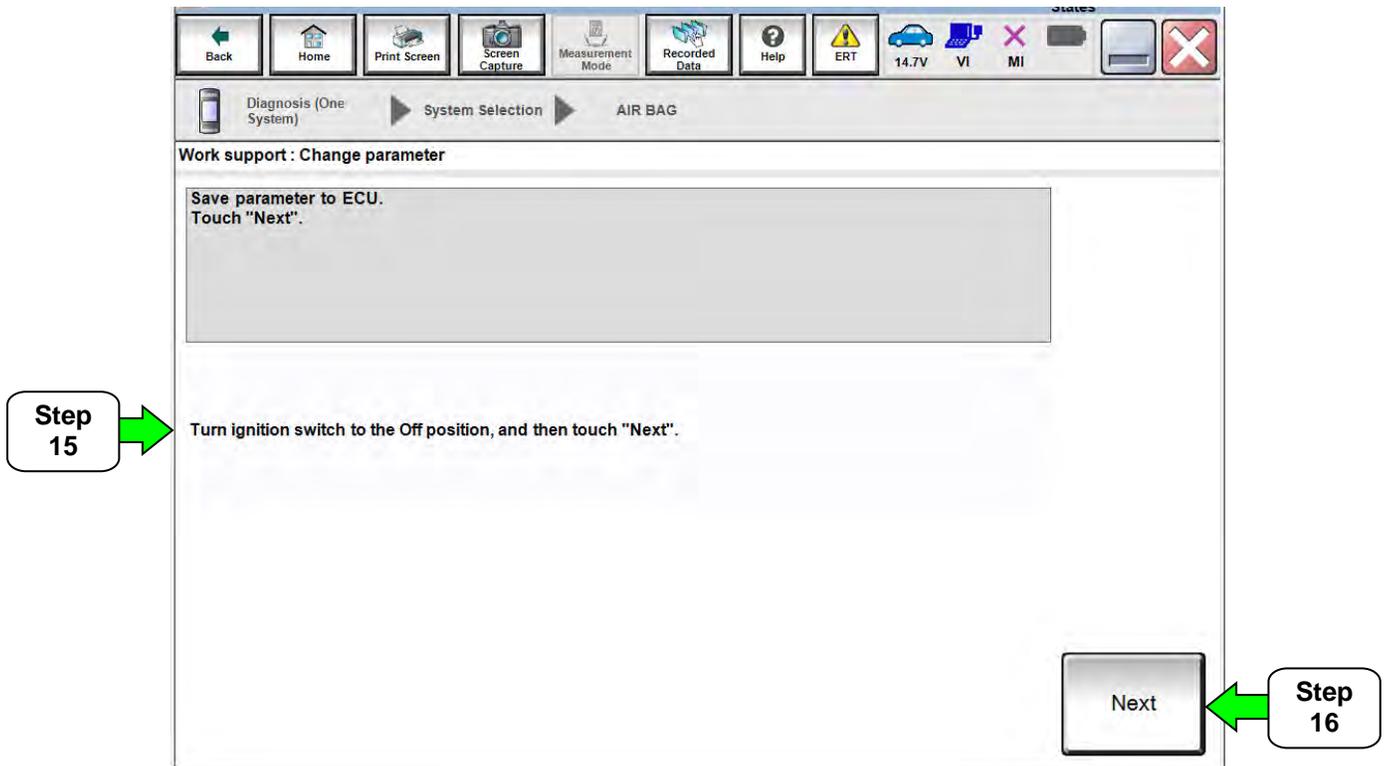


Figure 6

17. Wait 10 seconds, and then turn the ignition ON.

18. Select **Next**.

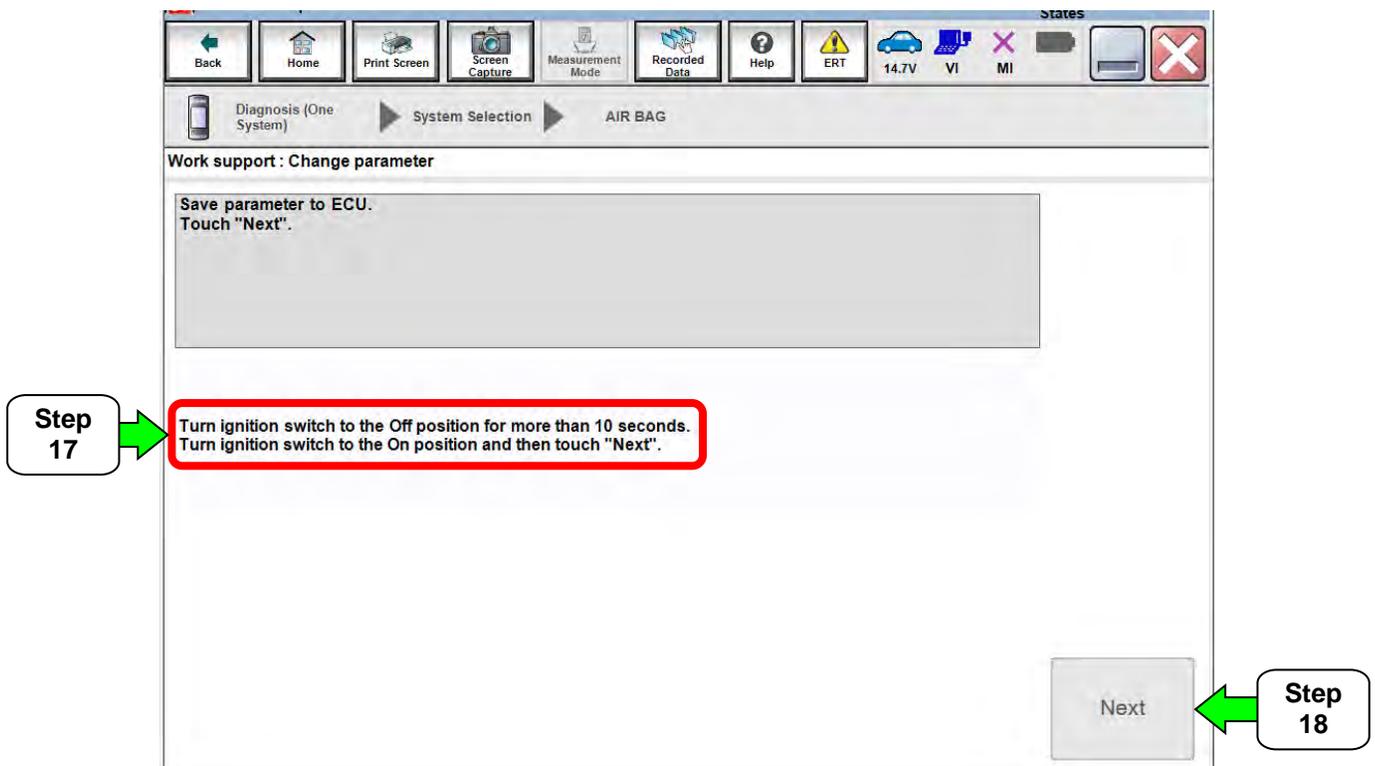


Figure 7

19. Wait for the parameter change check to complete.

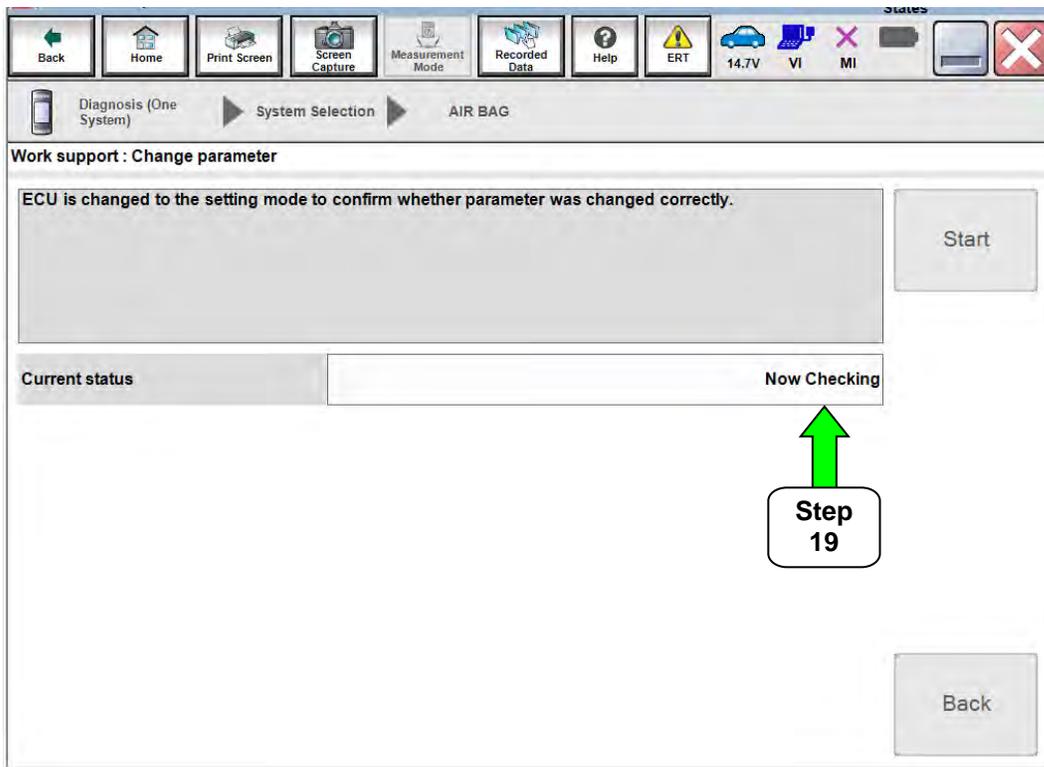


Figure 8

20. Turn the ignition OFF.

21. Select **Next**.

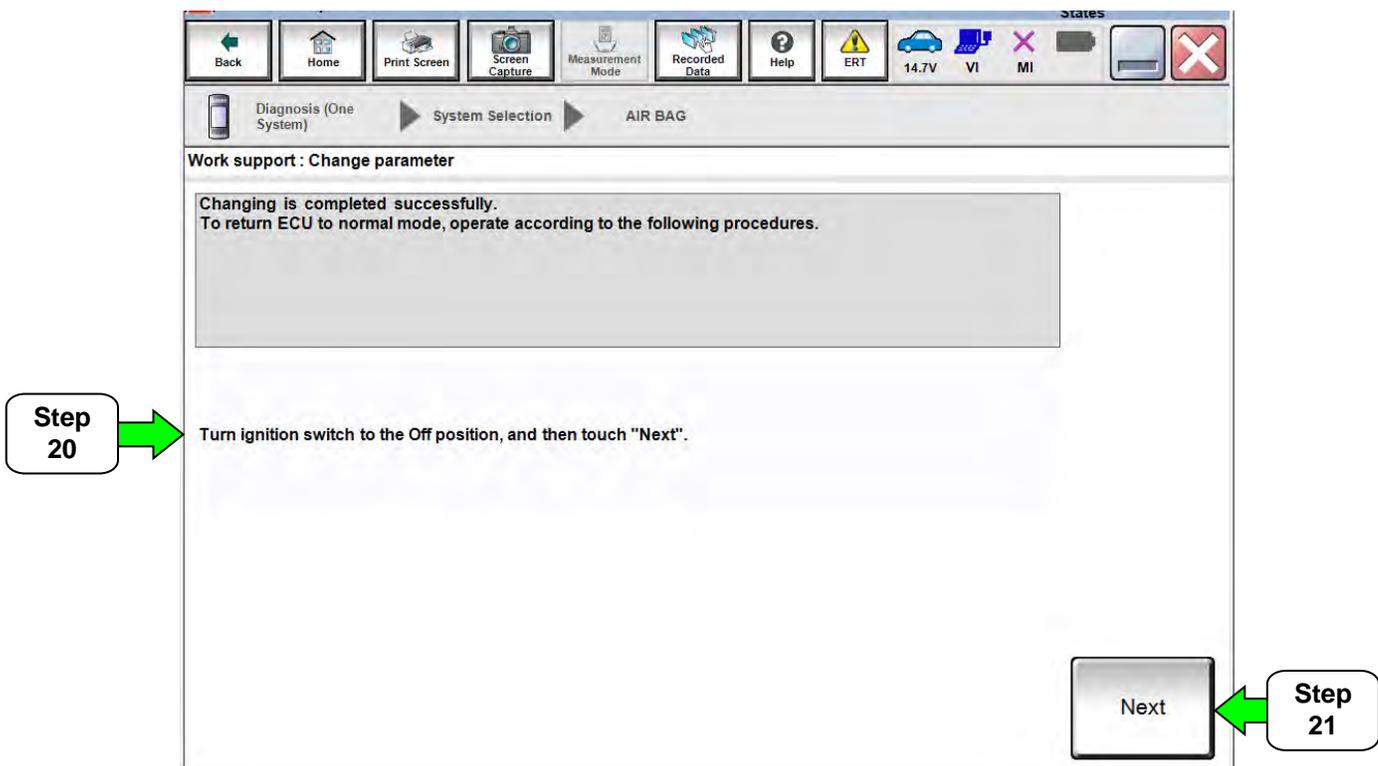


Figure 9

22. After selecting **Next** (step 21), wait at least 10 seconds.

23. Turn the ignition switch ON.

24. Select **End**.

CAUTION: DO NOT disconnect C-III plus or the plus VI until after the screen in Figure 11 displays.

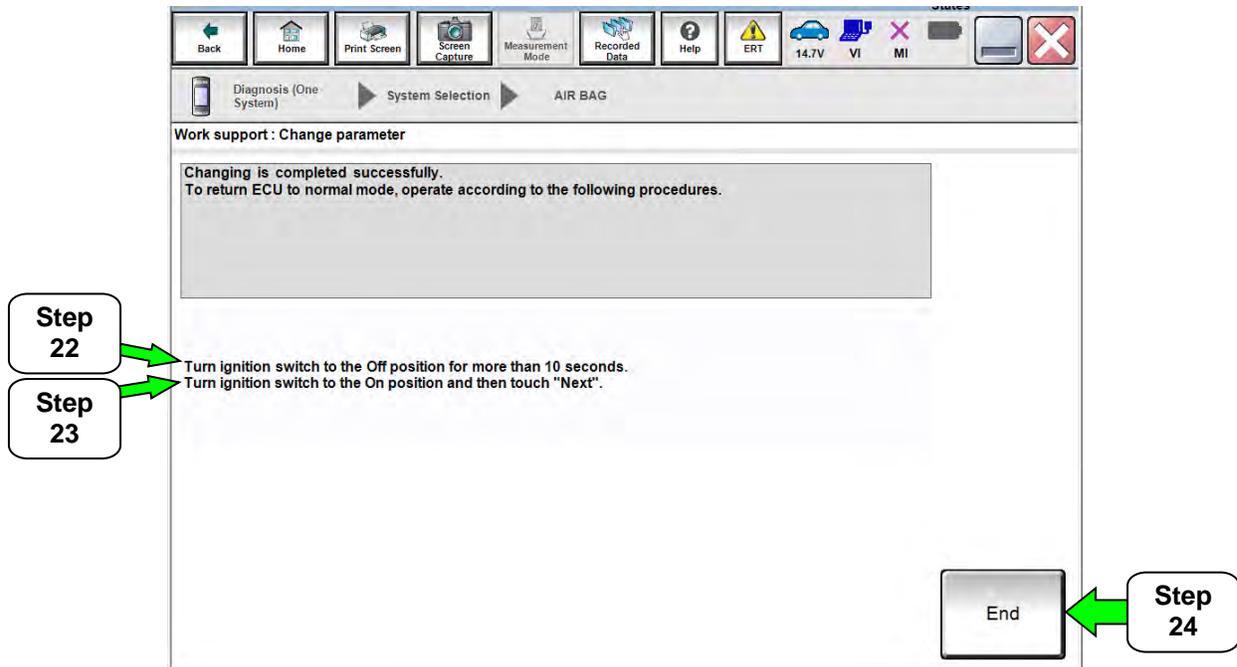


Figure 10

25. After selecting **End** (step 24), C-III plus will return to the screen shown in Figure 11 below.

- Air bag diagnosis sensor unit reprogramming is now complete.

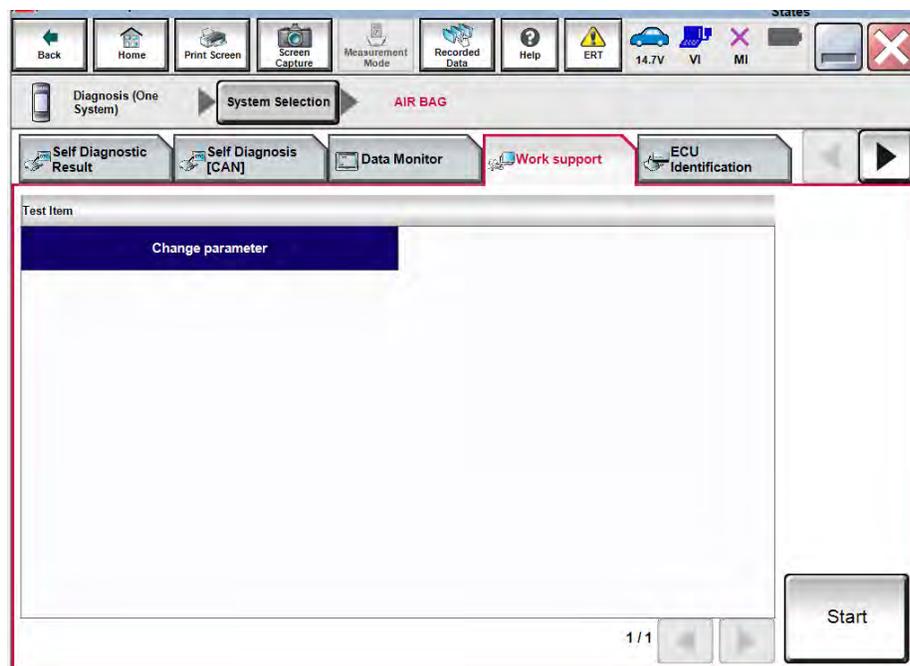


Figure 11

Go to the next page.

26. Close C-III plus.
27. Turn the ignition OFF.
28. Disconnect the plus VI from the vehicle.
29. Disconnect the GR-8 battery charger from the vehicle.
30. Disconnect the battery cables, negative battery cable first, and then wait at least three (3) minutes before going to step 31.
31. Disconnect the air bag diagnosis sensor unit's center connector, and then **remove the electrical tape**.
32. Reconnect the air bag diagnosis sensor unit's center connector, and then reassemble the vehicle in reverse order of disassembly.
 - **Titan vehicles:** Refer to this bulletin's **SERVICE PROCEDURE** and perform vehicle reassembly (center console) in reverse order of disassembly.
 - **Frontier and Xterra vehicles:** Refer to the ESM, section **IP-Instrument Panel**, for center console installation.
 - Make sure the air bag diagnosis sensor unit center connector's terminals are clean.
33. Reconnect the battery cables, positive battery cable first.
34. Reset/reinitialize systems as needed.
 - Refer to the ESM, section **PG-Power Supply, Ground & Circuit Elements**, for a listing of systems that require reset/initialization after reconnecting the 12 V battery.
 - Look in the **PG** section index for **ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL**.
 - This list often includes items such as radio, power windows, clock, sunroof, etc.
35. Turn the ignition from OFF to ON and observe the air bag warning light:
 - This light should illuminate for seven (7) seconds, and then go out.

NOTE: If the air bag warning light does not operate as described above, there may be an issue not covered by this campaign. Refer to ASIST and the ESM for additional diagnostic and repair information.

CLAIMS INFORMATION

Submit a Campaign (CM) line claim using the following claims coding:

CAMPAIGN (CM) ID #	DESCRIPTION	VEHICLE	OP CODE	FRT
P7318	Reprogram Air Bag Diagnosis Sensor Unit	Titan	P73181	1.3 hrs
		Frontier	P73182	1.1 hrs
		Xterra		