SERVICE CAMPAIGN BULLETIN

Classification:	Reference:	Date:
EC21-016	NTB22-006	February 9, 2022

VOLUNTARY EMISSION SERVICE CAMPAIGN 2013-2016 SENTRA; ECM REPROGRAM AND OXYGEN SENSOR VOLTAGE INSPECTION

CAMPAIGN ID #: P1A25
APPLIED VEHICLES: 2013-2016 Sentra (B17) – SULEV only

Check Service COMM or Dealer Business Systems (DBS) National Service History to confirm campaign eligibility.

NOTE: This bulletin only applies to California specification SULEV vehicles.

INTRODUCTION

Nissan is conducting this voluntary emission service campaign, on certain specific model year 2013-2016 Sentra vehicles, to reprogram the ECM (if applicable), and then inspect the oxygen (O2) sensor voltage. This service will be performed at no charge to the customer for parts or labor.

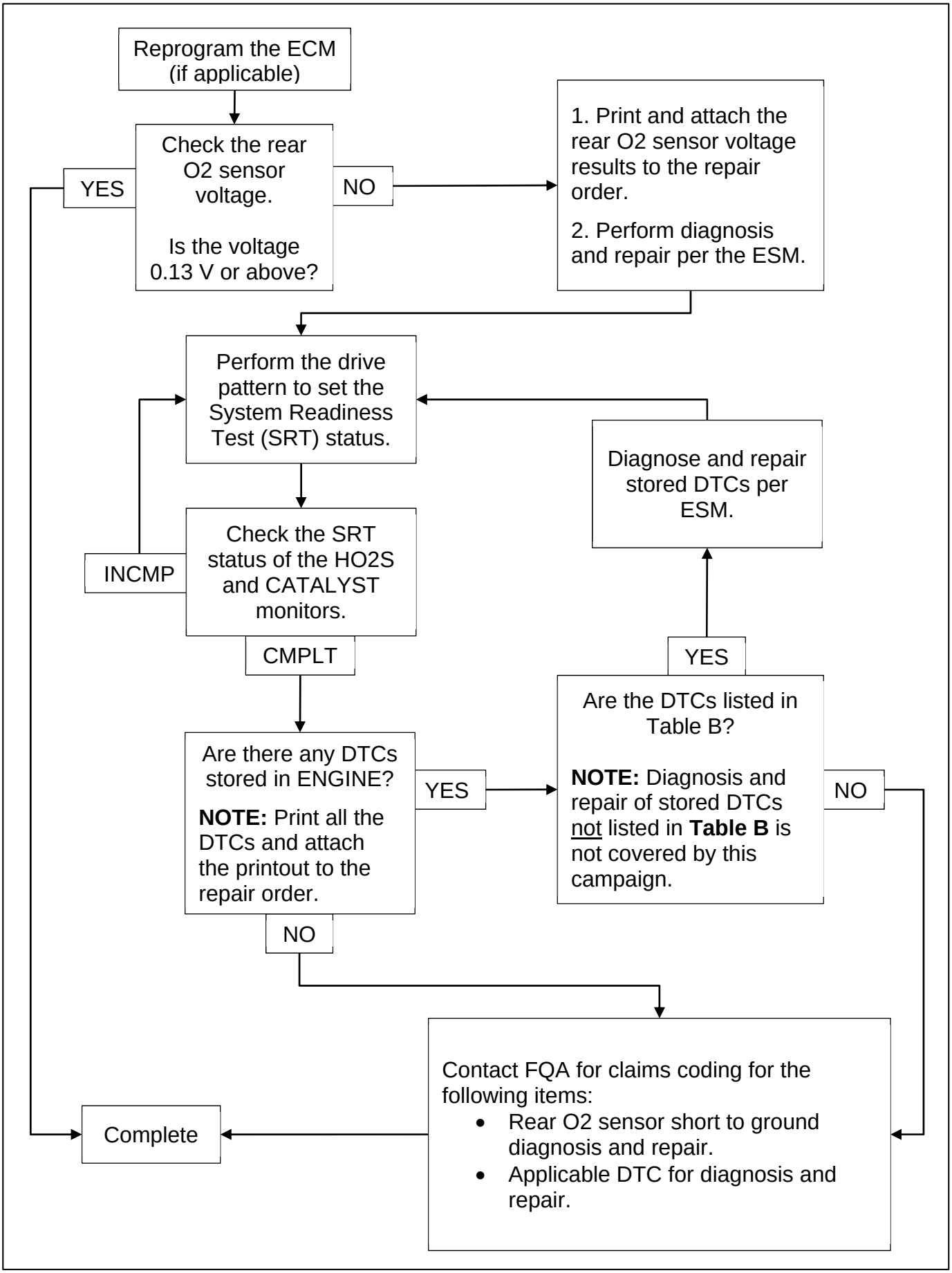
IDENTIFICATION NUMBER

Nissan has assigned identification number P1A25 to this campaign. This number must appear on all communication 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 (tourist) owners, and vehicles in a dealer's inventory.

REPAIR OVERVIEW



SERVICE PROCEDURE

IMPORTANT: Check and repair any ENGINE DTCs prior to reprogramming the ECM. DTCs stored prior to performing this ECM reprogram are not covered under this campaign.

Reprogram the ECM

1. Using C-III plus, confirm the current ECM part number and write it on the repair order.
   - If it matches one of the part numbers in **Table A**, continue to step 2 on page 4 to reprogram the ECM.
   - If there is not a match, ECM reprogramming is not required. Skip to step 4 on page 5 for O2 sensor voltage inspection.

Table A

MODEL YEAR	CURRENT ECM PART NUMBER: 23710-
2013	3RH2A, 3RH2B, 3RH2D, 3RH2E 3RH3A, 3RH3B, 3RH3D, 3RH3E 3RH6A, 3RH6B 3RH7A, 3RH7B
2014	3RU8B, 3RU8C, 3RU8E 3RU9B, 3RU9C, 3RU9E 3SR6A, 3SR6B, 3SR6C 3SR7A, 3SR7B, 3SR7C
2015	4AT8A, 4AT8B, 4AT8C, 4AT8D, 4AT8E 4AT9A, 4AT9B
2016	3RJ6A, 3RJ7A 4AF4A, 4AF4B, 4AF4D, 4AF4E 4AF5A, 4AF5B, 4AF5D, 4AF5E

NOTICE

Perform the following before starting the reprogramming procedure to prevent damage to the control unit.

- Connect the AC Adapter to the CONSULT PC.
- Connect the CONSULT PC to the Internet via Wi-Fi or a network cable.
- Ensure ASIST on the CONSULT PC has been synchronized (updated) to the current date and all C-III plus software updates (if any) have been installed.
- Turn OFF all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth® signal waves are within range of the CONSULT PC or VI during reprogramming, the reprogramming may be interrupted.
- Turn OFF all vehicle electrical loads.
- Turn ON the hazard warning lamps.
- Connect a battery maintainer or smart charger, set to reflash mode or a similar setting, to ensure the battery voltage stays between 12.0 V and 15.5 V.

HINT:

- If you are not familiar with the reprogramming procedure, *click here*. This will link you to the "CONSULT-III plus (C-III plus) ECM Reprogramming" general procedure.
- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learning conditions:
  - Engine coolant temperature: 70 - 100°C (158 - 212°F)
  - Battery voltage: More than 12.9 V (at idle)
  - Transmission: Warmed up
- When reprogramming is complete, you may be required to perform:
  - Accelerator Pedal Released Position Learning
  - Throttle Valve Closed Position Learning
  - Idle Air Volume Learning
  - DTC Erase

2. Reprogram the ECM.

3. After completing **Erase ALL DTCs**, print a copy of the C-III plus screen showing the before and after part numbers of the control unit and attach it to the repair order.

Inspect the Rear O2 Sensor Voltage

NOTE: Make sure the engine is OFF and let the vehicle cool down for 15 minutes before proceeding.

4. Select **Diagnosis (All Systems)**.

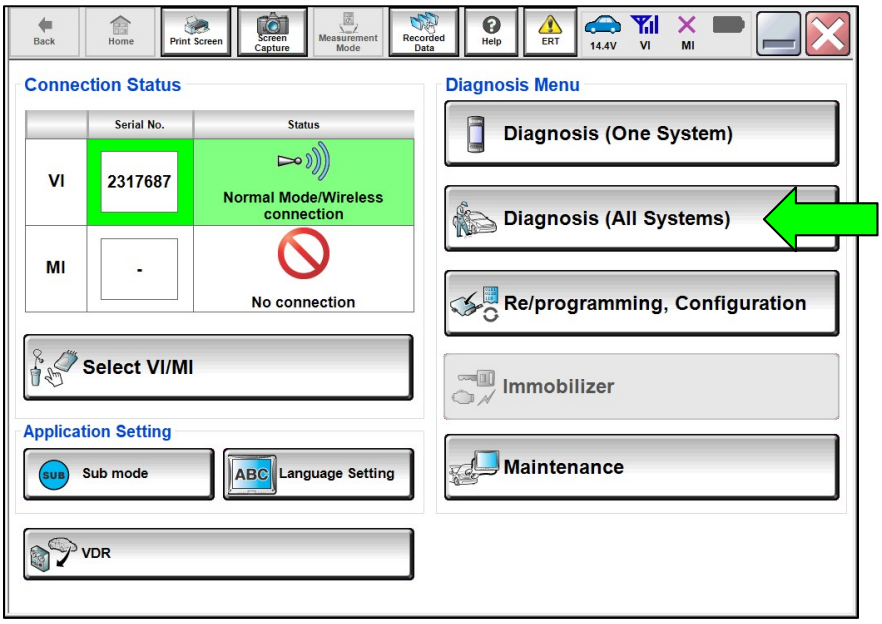


Figure 1

5. Select **ENGINE**.

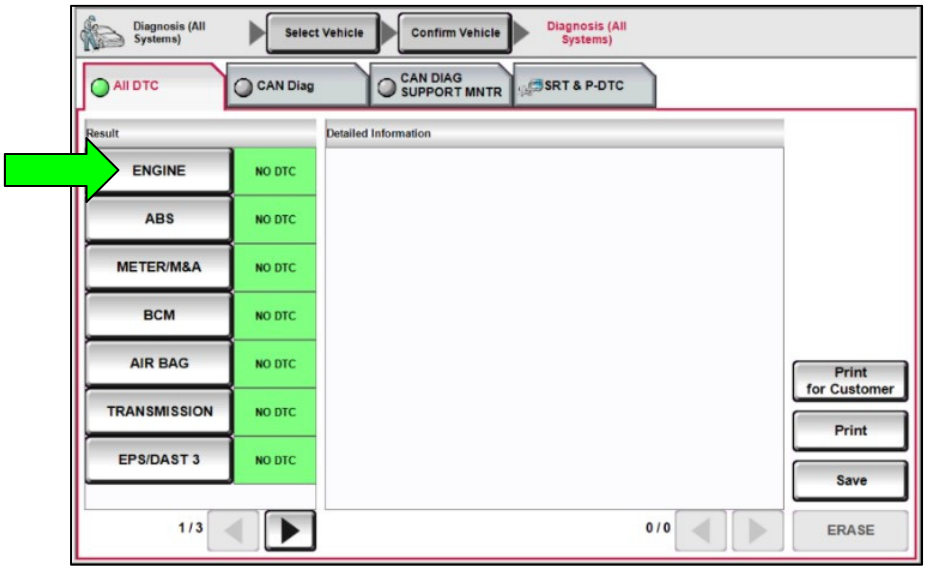


Figure 2

6. Select **Data Monitor**.

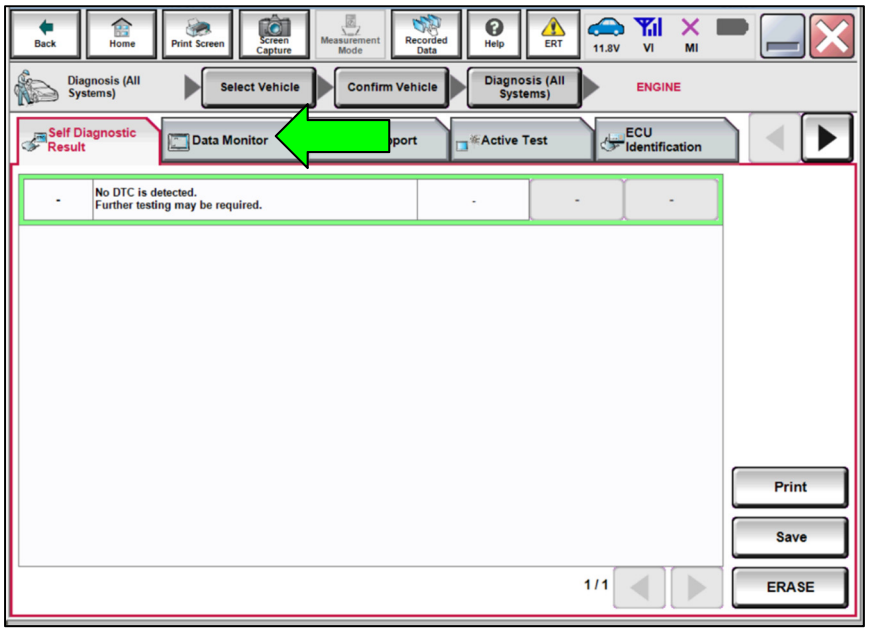


Figure 3

7. Select **Clear Monitor Item**.

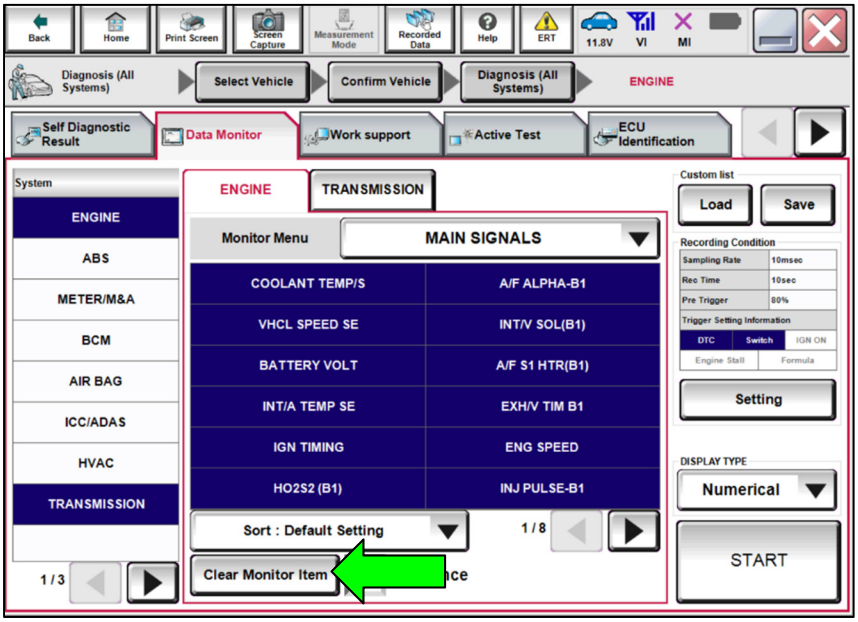


Figure 4

8. Locate and select **HO2S2 (B1)** from the data monitor list, and then select **START**.

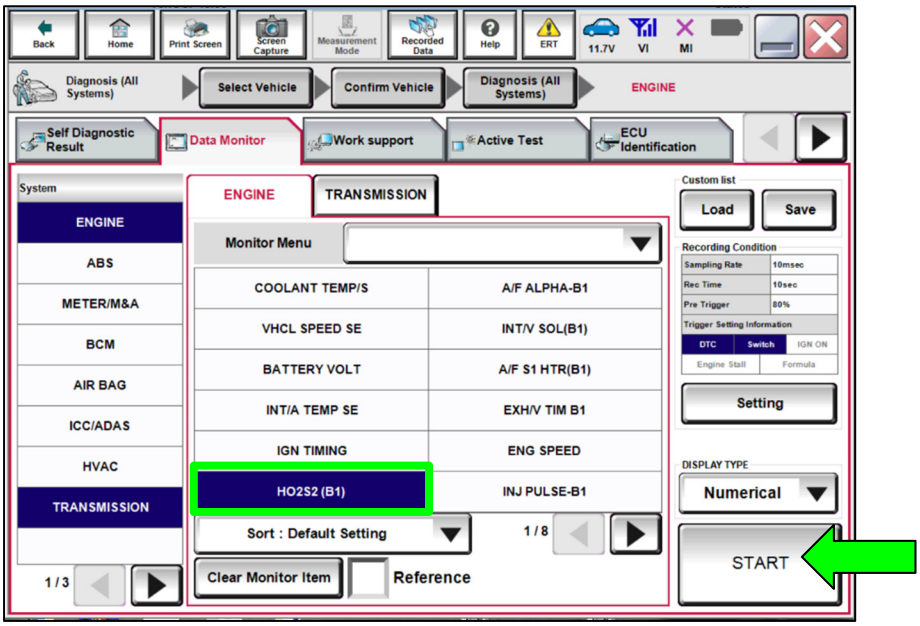


Figure 5

9. Check the Rear O2 Sensor (**HO2S2 (B1)**) voltage in the data monitor screen (Figure 6).

- If the **HO2S2 (B1)** voltage is 0.13 V or above, no further action is needed. The inspection result is **OK** and the **SERVICE PROCEDURE** is complete, skip to **CLAIMS INFORMATION** on the last page.
- If the **HO2S2 (B1)** voltage is less than 0.13 V, the rear O2 sensor has a short to ground condition and the inspection result is **NG**.

  a. Print the data monitor screen and attach it to the repair order.

  b. Diagnose and repair the Rear O2 Sensor short to ground condition by following the diagnosis steps outlined in the ESM for DTC P0137 (HO2S2).

  ➢ Refer to the ESM: **ENGINE > ENGINE CONTROL SYSTEM > MRA8DE >DTC/CIRCUIT DIAGNOSIS > P0137 HO2S2 > Diagnosis Procedure**

  NOTE: Follow the diagnosis and repair procedure even if DTC P0137 is not present.

  c. Proceed to step 10 to perform the drive pattern to set the System Readiness Test (SRT) status.

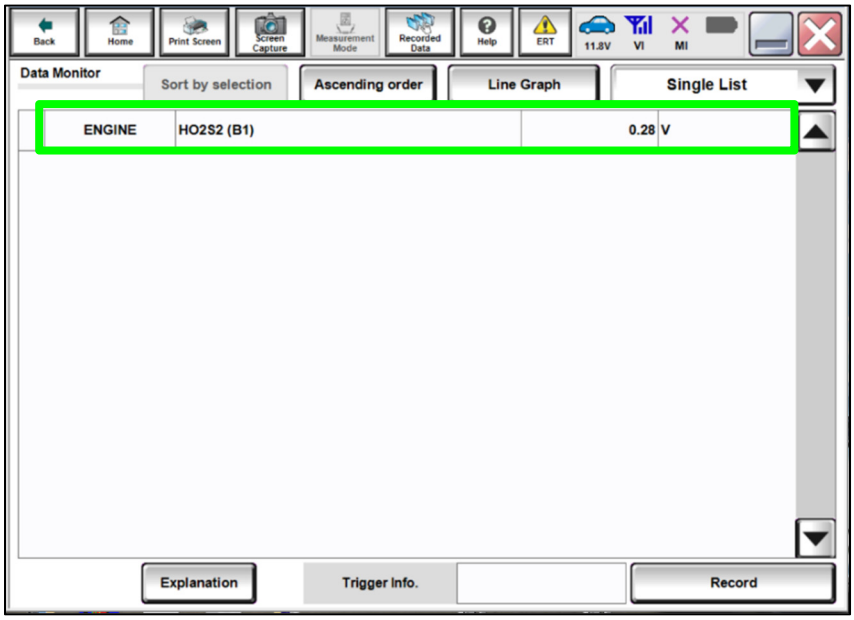


Figure 6

Setting the System Readiness Test (SRT) Status

10. Set the SRT's by performing the SRT status drive pattern outlined in the ESM.

- Refer to the ESM: **B: ENGINE > EC – Engine Control System > Table of Contents > MRA8DE > BASIC INSPECTION > HOW TO SET SRT CODE > Work Procedure**

Check SRT Status

11. Select **Diagnosis (All Systems)**.

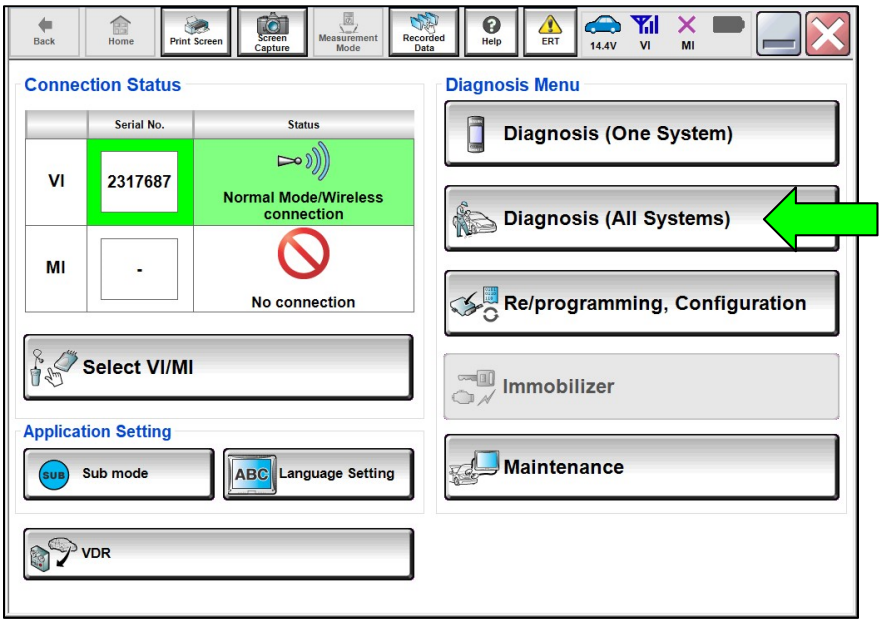


Figure 7

12. Select **SRT & P-DTC**.

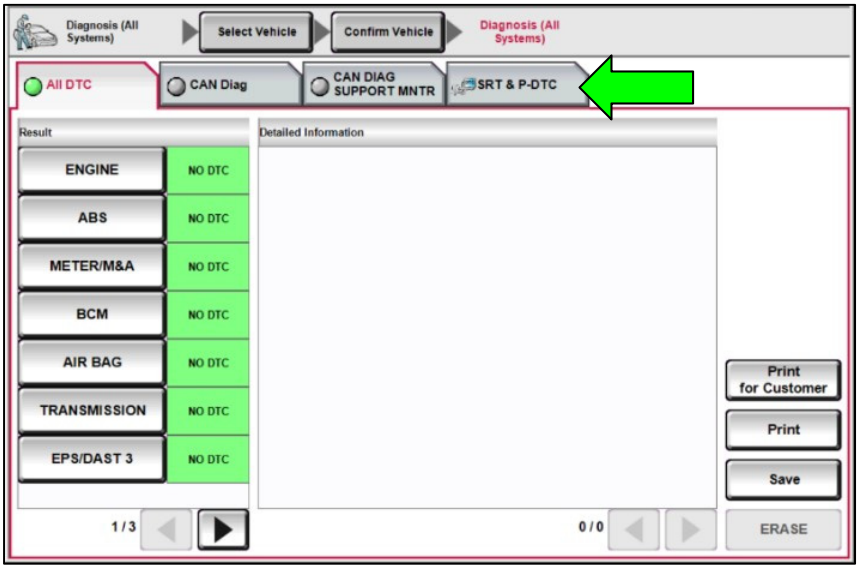


Figure 8

13. Select **ENGINE** and **ENG SPEED**, and then select **START**.

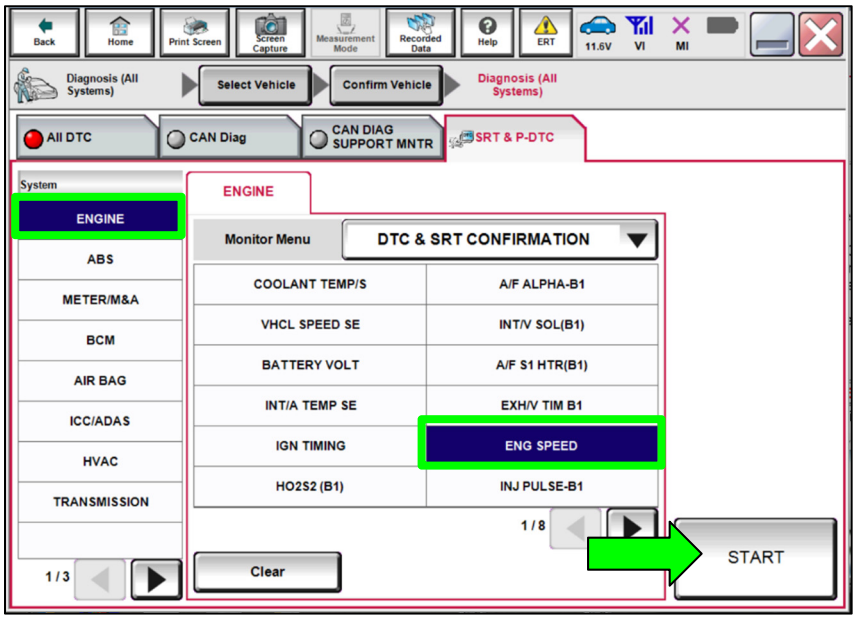


Figure 9

14. Check the SRT Status for **HO2S** and **CATALYST**.

- If the **HO2S** and **CATALYST** status is “CMPLT”, proceed to step 15 on page 11 to check for Engine DTC’s.
- If the **HO2S** or **CATALYST** status is “INCMP”, go back to step 10 on page 8 to perform the SRT status drive pattern again.

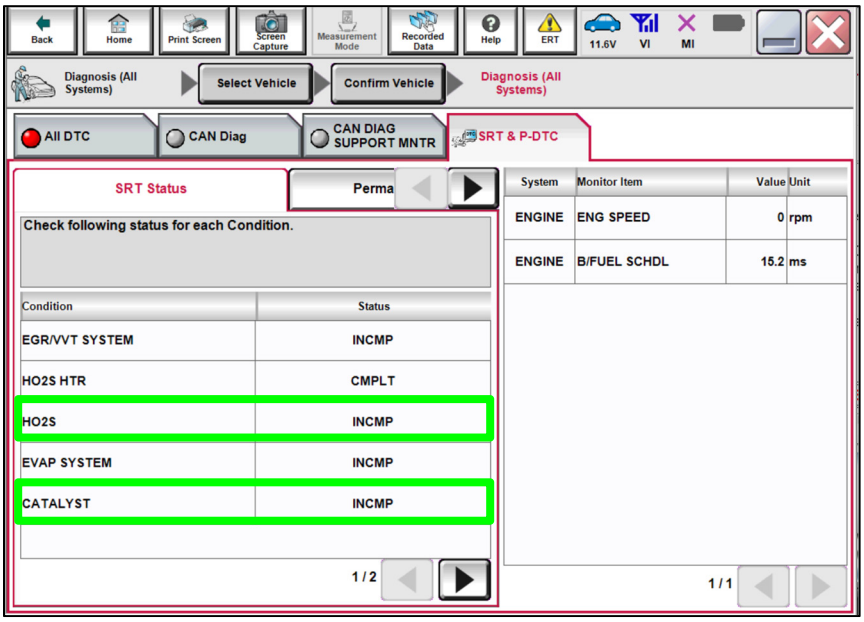


Figure 10

Check for DTC's

15. When the **HO2S** and **CATALYST** status is "CMPLT", select **All DTC**.

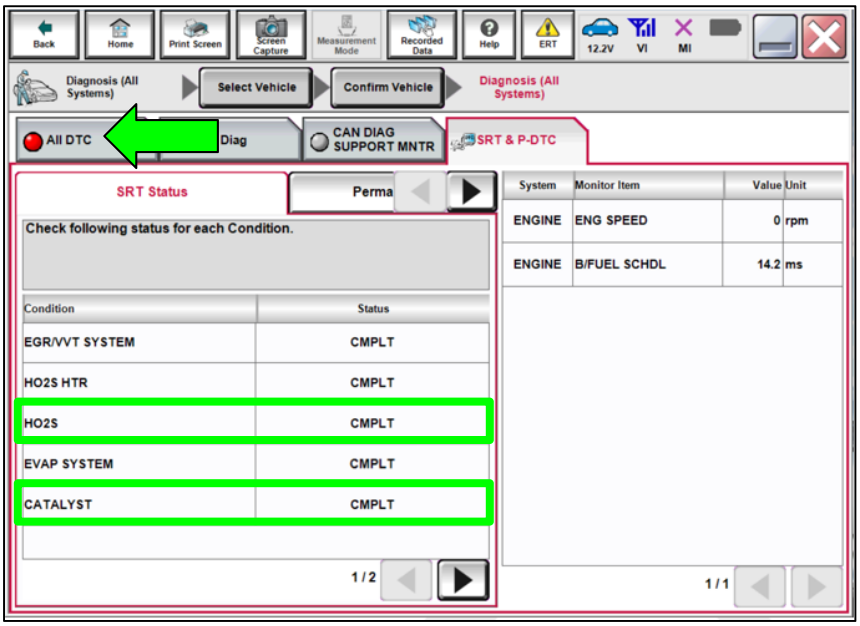


Figure 11

16. Check for DTCs.

- If there are stored DTCs (Current, Pending, or Past) that are listed in **Table B** on the next page:
  a. Print all the DTCs and attach the printout to the repair order.
  b. Perform diagnosis and repair of the stored DTCs per the ESM.
  c. Erase the DTCs and then re-perform steps 10 - 16 on pages 8 - 11 after repairs are completed.
  d. Send an email to FQA_Inspection_Support@nissan-usa.com for claims coding for the short to ground diagnosis and repair performed in step 9 on page 8. Please allow 48 business hours for a response.
     - Be sure to include the following items in the email:
       - Email Subject Line: *P1A25 - ECM REPROGRAM AND OXYGEN SENSOR VOLTAGE INSPECTION*
       - Dealer Name:
       - Dealer Code:
       - VIN:
       - Contact Person Name:
       - Contact Person Email:
       - H02S Inspection Result:
       - Repairs Performed:

- Diagnosis and repair of stored DTCs (Current, Pending, or Past) <u>not</u> listed in **Table B** on the next page is not covered by this campaign.

Table B

Applicable DTC List			
P014C	P014D	P015A	P015B
P0130	P0137	P0138	P0139
P0037	P0038	P2096	P2097
P0420			

CLAIMS INFORMATION

Submit a "CM" line claim using the following claims coding:

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
P1A25	Reprogram ECM and Perform O2 Sensor Voltage Check (OK Condition)	P1A250	0.5
	Reprogram Not Needed and Perform O2 Sensor Voltage Check (OK Condition)	P1A251	0.3

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
February 9, 2022	NTB22-006	Original bulletin published