



# SERVICE BULLETIN

Classification: EC00-024b	Reference: NTB00-070b	Date: June 7, 2004
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## 2000-2001 MAXIMA MIL "ON" WITH DTC P0420 STORED – THREE WAY CATALYST FUNCTION

**IMPORTANT: THIS BULLETIN HAS BEEN REVISED.**

- The Service Information and Service Procedure sections of this bulletin were revised.
- Please use this bulletin NTB00-070b for complete information.
- Discard all previously distributed copies of NTB00-070a.

**APPLIED VEHICLES:** 2000-2001 Maxima (A33) - Except 2000 Maximas with Federal Emissions Specification

### IF YOU CONFIRM:

An applied vehicle has the following symptoms:

- MIL 'ON' with DTC P0420 stored

### AND

- Vehicle runs OK and does NOT have a misfire or driveability incident

### ACTIONS:

1. Confirm this bulletin applies to the vehicle you're working on. Refer to the Repair Flow Chart on page 3 for details.
2. Compare the current ECM part number to **Chart A** on page 5.
  - If your ECM part number is listed in **Chart A**, reprogram the ECM to the latest ECM data. See **ECM REPROGRAMMING** on page 6 for details. Do NOT replace any parts in this case.
  - If your ECM part number is NOT listed in **Chart A**, you do not have to reprogram the ECM. But you will have to replace the Front Tube Assembly and the Front H02S1-B1 Oxygen Sensor. See **Parts Replacement** on page 10 for details.

**IMPORTANT:** The purpose of "ACTIONS" (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the entire Repair Flow Chart and Service Procedure (starting on page 3) as it contains information that is essential to successfully completing this repair.

## PARTS INFORMATION

### NOTE:

- The below parts are **ONLY** needed if your vehicle's ECM Part Number (P/N) **DOES NOT** match a Current ECM P/N in Chart A (page 5).
- The below parts are **NOT** needed if your vehicle's ECM Part Number (P/N) matches a Current ECM P/N in Chart A (page 5).

DESCRIPTION	PART NUMBER	QUANTITY
Front Tube Assembly	20020-3Y400	1
Front Oxygen Sensor (H02S1-B1)	22690-2Y921	1
Gasket – Exhaust (2000 MY only)	20692-24U00	1
Gasket – Catalyst (2001 MY only)	20692-65J00	1
Gasket – Exhaust (2000-01 MY)	20691-51E01	1
Gasket – Exhaust Manifold, A (2000-01 MY)	20691-38U00	1

## CLAIMS INFORMATION

If the ECM P/N **IS** on Chart A, submit a Primary Failed Part (PP) line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram ECM and perform CONSULT-II check for DTC P0420 (1)	(2)	DE98AA	HC	32	0.7 hrs.

(1) FRT includes sufficient labor time for diagnosis. DO NOT claim any Section "EE" diagnostic Op Codes for this reprogram operation.

(2) Reference the final CONSULT-II reprogram function print out and use the indicated P/N as the PFP.

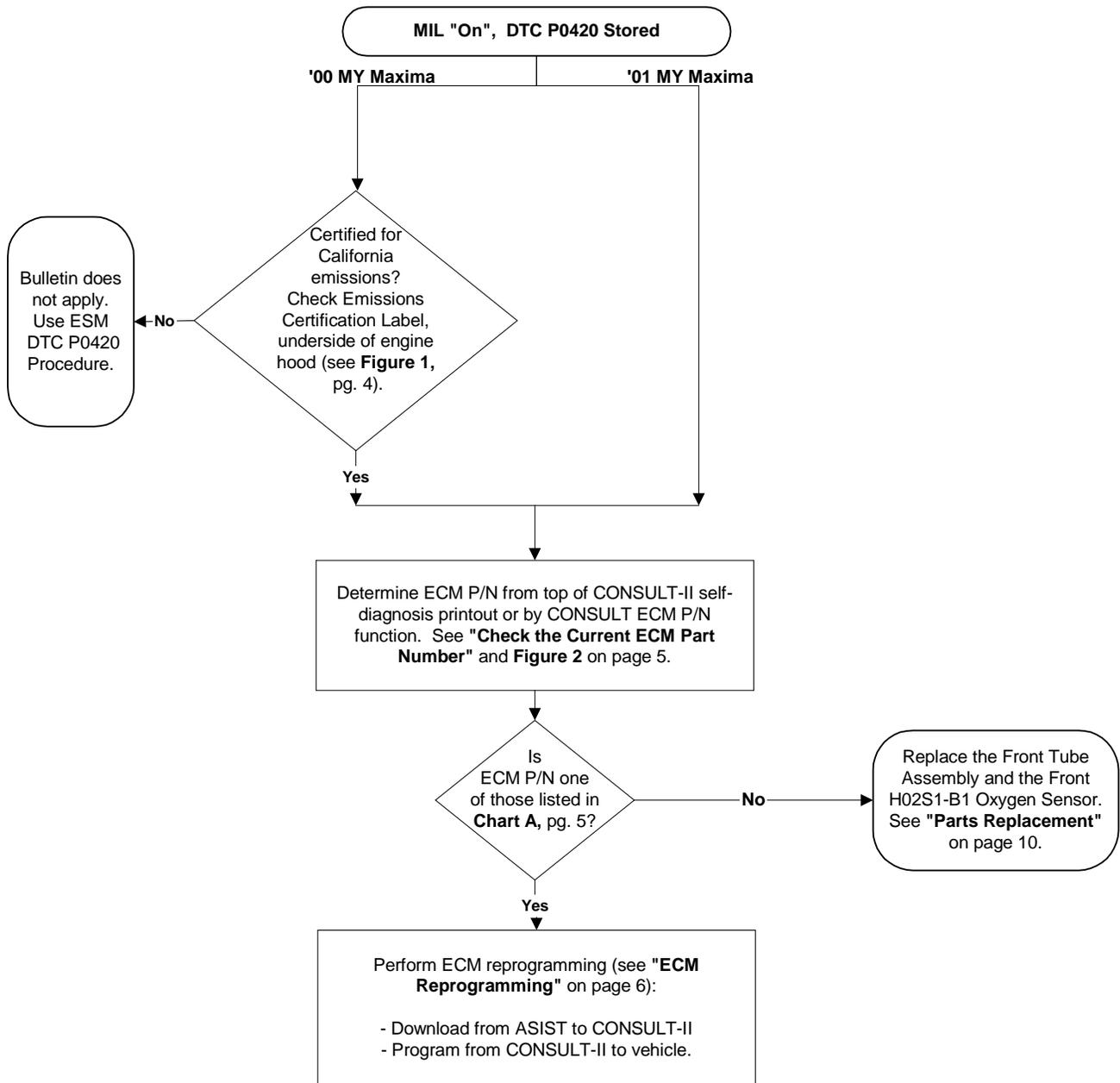
### **OR**

If the ECM P/N **IS NOT** on Chart A, submit a Primary Failed Part (PP) line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL One Front Exhaust Tube	20020-3Y400	FD10AA	HC	32	(1)
RPL One Front Exhaust Gas (O2) Sensor		DE47AA			(1)

(1) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

# Repair Flow Chart



# SERVICE PROCEDURE

## Bulletin Applicability

Determine if this bulletin applies to the vehicle:

1. For **2000 Maxima vehicles**, check the Emissions Certification Label on the underside of the engine hood (see Figure 1). Is the certificate for California emissions?
  - If the certificate is **not** for California emissions, this bulletin does not apply. Use the P0420 Diagnostic Procedures in the ESM to further diagnose and repair.
  - If the certificate is for California emissions, proceed to **Check the Current ECM Part Number** next page.

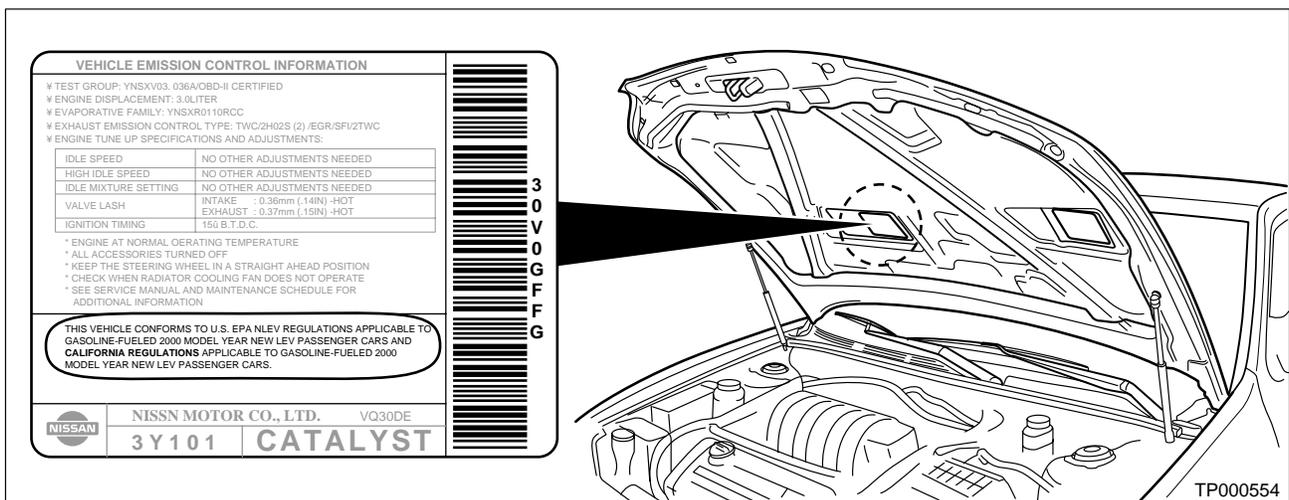


Figure 1

## Check the Current ECM Part Number

With CONSULT-II “ON”, print the Freeze Frame data as follows:

**START(Nissan)** >> **ENGINE** >> **Self-DIAG Results** >> **F.F. Data** >> **PRINT**

- The Freeze Frame data that you’ve printed contains the ECM Part Number (P/N).
- Figure 2 is an example of the F.F. Data printout.
- Once you know the current ECM part number, go to the next step: “**Compare the Current ECM Part Number to Chart A** (below).

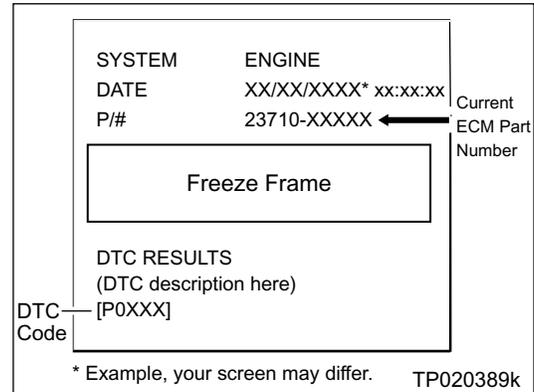


Figure 2

## Compare the Current ECM Part Number to Chart A:

Compare the vehicle's current ECM P/N to those shown under **Current ECM P/N** in **Chart A**, below:

### Chart A

Vehicle	Current ECM P/N
2000, M/T	23710-3Y100, -3Y101, -3Y102, -3Y103, -3Y104, -2Y065
2000, M/T w/V-tires *	23710-3Y110, -3Y111, -3Y112, -3Y113, -3Y114, -2Y075
2000, A/T	23710-3Y115, -3Y116, -3Y117, -3Y118, -3Y119, -2Y170
2000, A/T w/ TCS **	23710-3Y160, -3Y161, -3Y162, -3Y163, -3Y164, -2Y175
2001, M/T	23710-4Y900, -4Y901, -4Y902
2001, M/T w/V-tires *	23710-4Y910, -4Y911, -4Y912
2001, A/T	23710-5Y000, -5Y001, -5Y002
2001, A/T w/ TCS **	23710-5Y010, -5Y011, -5Y012

**NOTE:** \* V-Tires = V-rated Tires  
 \*\* TCS = Traction Control System

- If your vehicle’s ECM P/N **matches** a P/N in the chart above:
  - Perform **ECM Reprogramming**, starting on page 6.
- If your vehicle’s ECM P/N **does not match** a P/N in the chart above:
  - ECM Reprogramming is not necessary.
  - Replace the Front Tube Assembly and the Front H02S1-B1 Oxygen Sensor. See **Parts Replacement** on page 10 for an illustration and more details.

## ECM REPROGRAMMING

### Vehicle ECM Reprogramming Overview

- There are four basic steps:
  1. Download reprogramming data (transfer it) from ASIST into CONSULT-II.
  2. “Preparation” steps before reprogramming the vehicle ECM.
  3. Reprogram the vehicle ECM.
  4. “Wrap-up” after reprogramming is finished.
  
- **If you’re not familiar with the latest ECM reprogramming procedures**, click [here](#).

This will link you to the "ECM Reprogramming For Nissan Vehicles" general procedure. Or, refer to Attachment A in the print copy of this bulletin.
  
- For those familiar with ECM Reprogramming, please review the following steps and use them as a Quick Reference for ECM reprogramming.

## Step One: Download (Transfer) Data From ASIST Into CONSULT-II

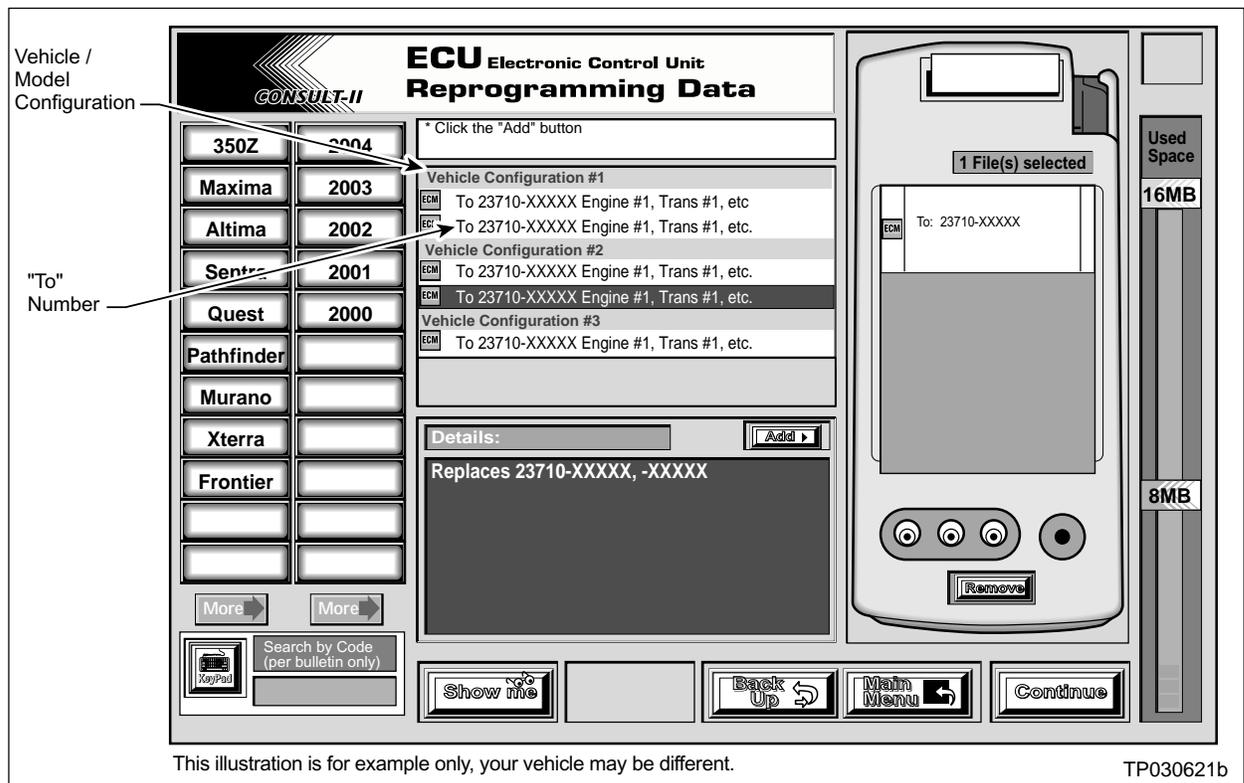


Figure 3

1. Select vehicle model and model year (Example: Maxima, 2001).
2. Select the correct reprogramming data:
  - a. Locate the specific "Model Configuration" (Example: VQ30 4A/T ASCD TCS).
 

**NOTE:** Model Configuration may include items such as engine type, transmission type, and vehicle options such as ASCD, TCS, ABS etc.
  - b. Select (click on) the "To" number. (Write the "To" number on the repair order.)
 

**NOTE:** The "To" number will read: 23710-XXXXX.
3. Click on the "Add" button.
  - This will add the selected data to the "File(s) Selected" list.
4. Click on "Continue" and follow directions to perform "data transfer" (download) from ASIST into CONSULT-II.

## Step Two: Preparation for Reprogramming ECM

**CAUTION: DO NOT connect the CONSULT-II AC power supply for items 1 and 2.**

1. Press **SUB MODE** (see Figure 4) then:
  - a. From the listed items, find and select **BATTERY CHARGE**.

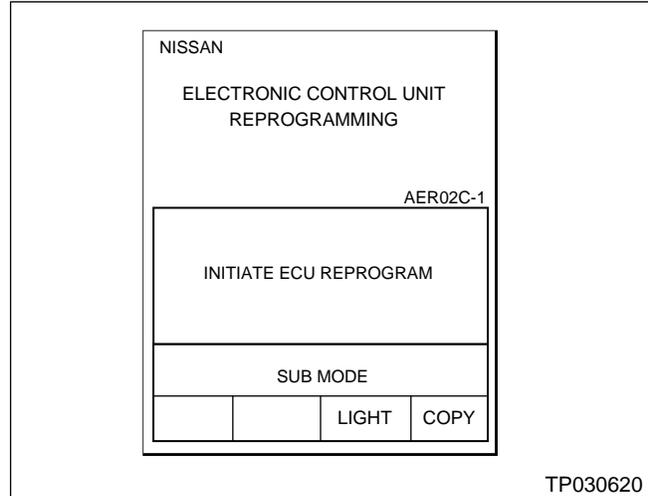


Figure 4

2. Check the CONSULT-II's "Charger Input" reading (see Figure 5).

### NOTE:

- "Battery Voltage" is the voltage level of CONSULT-II's battery.
- "Charger Input" is the voltage level of the vehicle's battery. **(It must be above 12 volts.)**

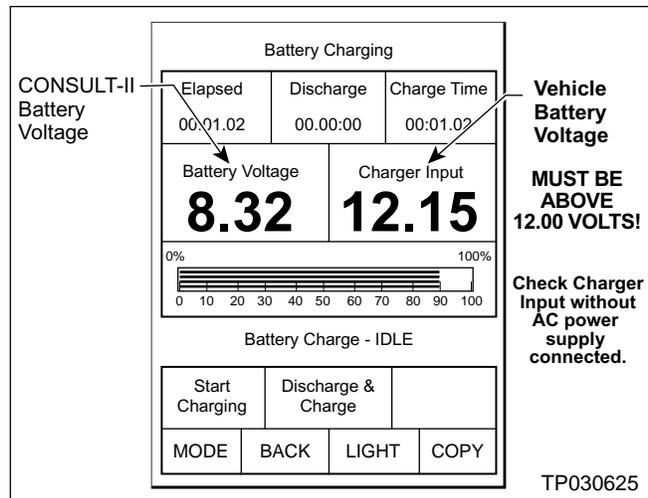


Figure 5

**CAUTION:** If the "Charger Input" is below 12 volts, connect a battery charger to the vehicle's battery and re-check the "Charger Input". If still not 12V, then:

- Click [here](#) to link to the "ECM Reprogramming For Nissan Vehicles" general procedure, or refer to Attachment A in the print copy of this bulletin.
- The general procedure includes a list of items to check when "Charger Input" voltage is below 12V.

### Step Three: Reprogram the Vehicle ECM

### Step Four: “Wrap-up” After Reprogramming is Finished

1. Turn the ignition switch "OFF" and turn CONSULT-II “OFF”.
2. Wait more than 10 seconds, then;
  - a. Turn the ignition switch "ON" for 2 second, then
  - b. Turn the ignition switch "OFF" again for 10 seconds (see Figure 6).
    - This will reset ECM “self learned” Data.

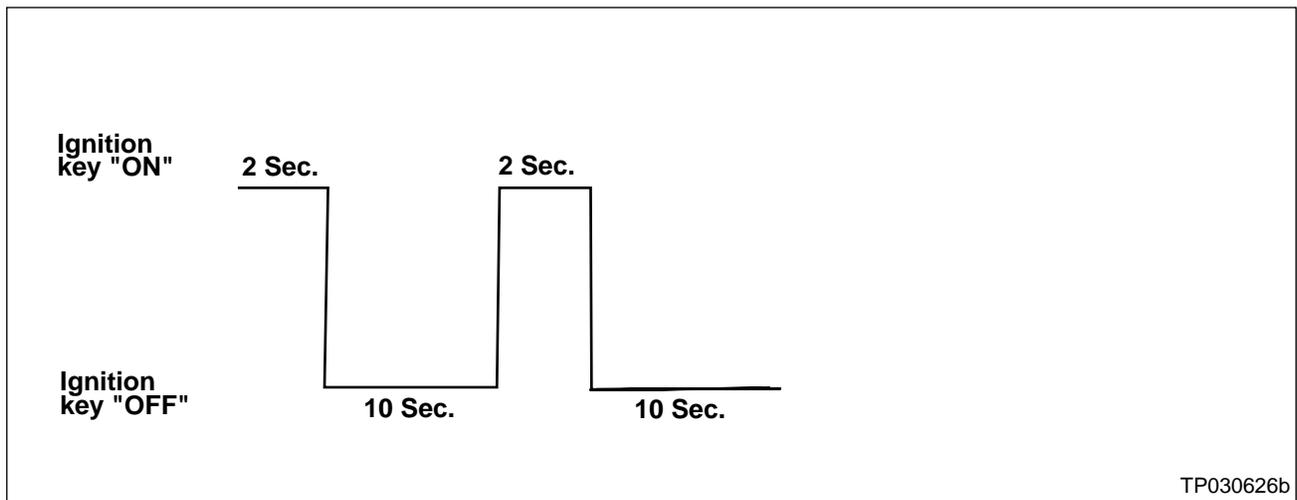


Figure 6

3. Start the engine and check the idle speed.
  - If idle speed is too low, perform IAVL (Idle Air Volume Learning). See the appropriate Service Manual (ESM) for this procedure.

**NOTE:** If the engine will not idle, hold the engine RPM at about 2000, then slowly bring it down to an idle. IAVL can now be performed.
4. Confirm the engine is operating normally.
5. Make sure the “Check Engine Light “ (MIL) is not “ON”.
  - If necessary, use CONSULT-II and the Diagnostic (red/white) Card to erase any DTC’s that may have stored during the reprogramming procedure.

## Parts Replacement (if needed)

Replace the Front Tube Assembly and the Front H02S1-B1 Oxygen Sensor (see Figures 7 and 8 below).

- Refer to the **FE** section in the applicable ESM for the replacement procedures.

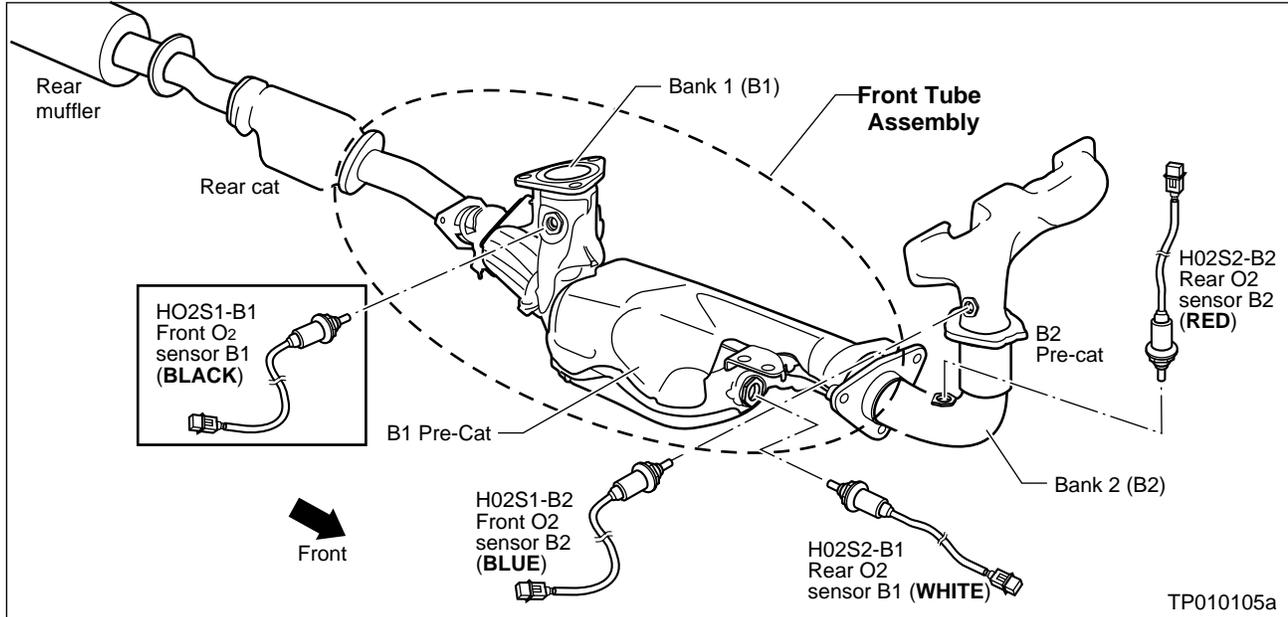


Figure 7

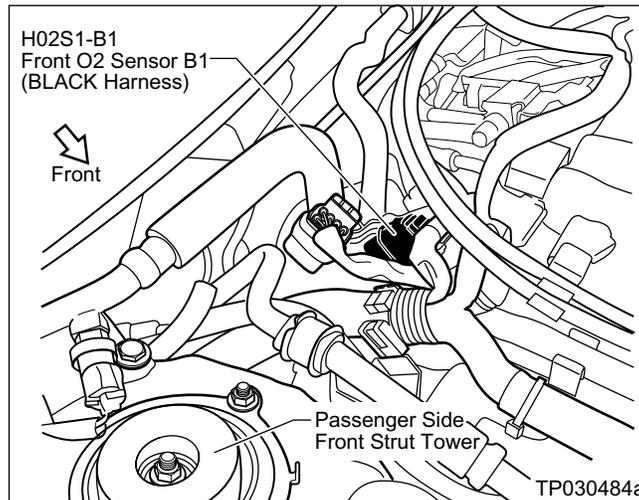


Figure 8