

Classification:
Reference:
Date:

EC02-011

ITB02-022

April 15, 2002

2000-2002 G20 MIL "ON" REAR O2 SENSOR DTC P0138/P0139/P0140

APPLIED VEHICLES: 2000-2002 G20 (P11)

SERVICE INFORMATION

If a 2000 to 2002 G20 has a MIL "On" and any of the following DTCs stored in the ECM:

- P0138 Heated Oxygen Sensor 2 (Rear) (Bank 1) (Max. Voltage Monitoring)
- P0139 Heated Oxygen Sensor 2 (Rear) (Bank 1) (Response Monitoring)
- P0140 Heated Oxygen Sensor 2 (Rear) (Bank 1) (High Voltage)

Start with the Service Procedure to find out if the bulletin applies to this vehicle. If it does apply, complete the Service Procedure to repair the incident, if it should occur.

SERVICE PROCEDURE

You will be performing the following, as required:

- **Determine the DTC Stored in ECM** from the CONSULT-II Self-diagnosis results.
- **ECM Part Number Check** to determine if this bulletin applies.
- **ECM Reprogramming** (required if the ECM P/N in the vehicle matches one of those listed under "Current ECM P/N" in Chart A -page 2).
- **Replacing the Rear Oxygen Sensor** (required if ECM Reprogramming is needed).

Determine the DTC Stored in ECM:

1. Determine which DTC code is stored in the vehicle's ECM by performing CONSULT-II Self-Diagnosis.
2. Print out the Self-Diagnosis results for use in **ECM Part Number Check**, below. See Figure 1 for an example of the CONSULT-II Self-Diagnosis printout.

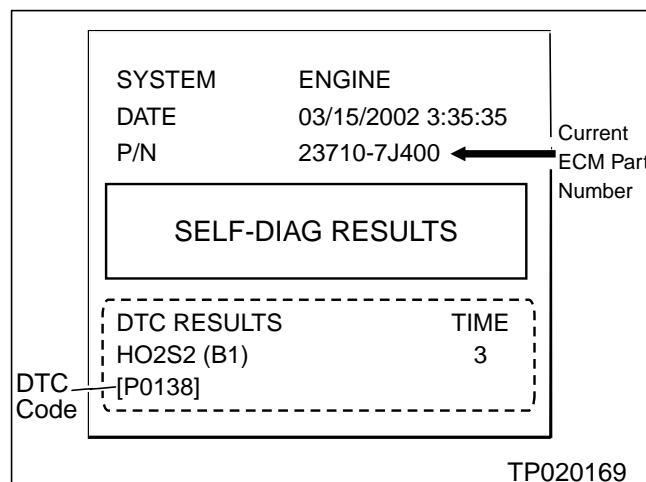


Figure 1

ECM Part Number Check

- Compare the vehicle's current ECM P/N (from your CONSULT-II Self Diagnosis printout) to those shown under **Current ECM P/N** in **Chart A**, below:

Chart A – Current ECM P/N's:

Vehicle	Current ECM P/N
2000 M/T	23710-7J400, -7J401, -7J402, -7J460
2000 A/T	23710-7J410, -7J411, -7J412, 7J470
2001-2002 M/T	23710-6J105, -6J106, -6J107, -6J108, 6J170
2001-2002 A/T	23710-6J115, -6J116, -6J117, -6J118, -6J180

- If the ECM P/N in the vehicle **matches** one of those listed under "Current ECM P/N" in Chart A (above):
 - Look in the "Vehicle" Column in Chart A (above) and determine the vehicle "configuration" (i.e. 2002 M/T). Make a note of the vehicle configuration and perform **ECM Reprogramming**, below.
- If the ECM P/N in the vehicle **does not match** one of those listed under "Current ECM P/N" in Chart A (above):
 - This bulletin does not apply. Use the appropriate Electronic Service Manual (ESM) to further diagnose and repair the incident.

ECM Reprogramming

- Perform ECM Reprogramming to install the latest available ECM data.
 - If you are unfamiliar with ECM Reprogramming, click [here](#) to link to the "ECM Reprogramming For Infiniti Vehicles" general procedure or refer to Attachment A in the print copy of this bulletin.
 - For those familiar with ECM Reprogramming, perform the following:

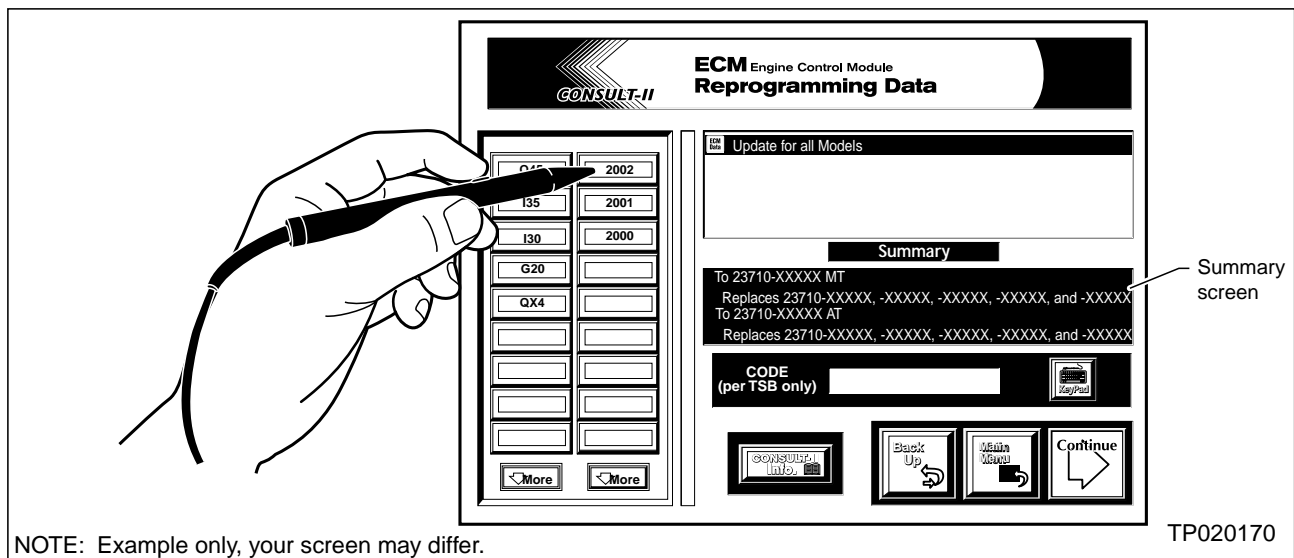


Figure 2

- Select model and model year for the applied vehicle (i.e. G20, 2002).

- B) Locate the vehicle configuration you made note of in step 1A on page 2 (i.e. M/T) from those listed in the upper right ECM data description window.
- C) Make a note of the "To" number listed in the "ECM Reprogramming Data" Summary screen.
NOTE: The "To" number will read: 23710-XXXXX.
- D) Press "Continue" and follow directions to perform data download from ASIST to CONSULT-II.
- E) When reprogramming from CONSULT-II, select the "To" number that you made note of in step C, above.
2. Go to and perform **Replacing the Rear Oxygen Sensor** (below).

Replacing the Rear Oxygen Sensor

1. Replace the incident bank rear oxygen sensor (see the **PARTS INFORMATION** section for information). Refer to the EC Section of the appropriate Service Manual for part replacement information.
2. Use CONSULT-II to do the following:
 - Confirm DTC P0138, P0139, or P0140 is repaired.
 - Erase the DTC code.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Rear Oxygen Sensor for 2000-2001 G20 (Vehicles Manufactured before January 9, 2001/ VIN JNKCP11A*1T500007)	226A0-7J402	1
Rear Oxygen Sensor for 2001-2002 G20 (Vehicles Manufactured including and after January 9, 2001/ VIN JNKCP11A*1T500007)	226A0-4J901	1

CLAIMS INFORMATION

Submit a Primary Failed Part (PP) line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram ECM per TSB (1)	(2)	DE98AA	HD	32	0.7 hrs.
RPL One Rear O2 Sensor		DE49AA			(3)

- (1) The FRT for this Op Code contains sufficient time allowance for the required diagnosis. Do NOT claim any diagnostic Op Codes on this claim.
- (2) Reference the final CONSULT-II printout and use the new ECM P/N as the PFP.
- (3) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated FRT.