

SERVICE PROCEDURE

1. Replace the ECM.

- For ECM replacement, refer to the ESM section below.
 - REPAIR > ENGINE > ENGINE CONTROL SYSTEM > REMOVAL AND INSTALLATION > ECM

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
 - Turbocharger Wastegate Control Actuator Initialization
 - Electric Intake Valve Timing Control Actuator Reference Position Learning
 - Idle Air Volume Learning
 - DTC Erase.

2. Reprogram the ECM.

IMPORTANT: The ECM must be installed, programmed, and then reprogrammed again for the repair to be complete.

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.

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Engine Control Module (ECM)	23703-6HN1A	1

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace Engine Control Module (ECM)	(1)	DE28AA	ZE	32	(2)
Reprogram Engine Control Module (ECM)		DE97AA			

- (1) Reference the electronic parts catalog and use the Engine Control Module (23703-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
May 3, 2021	ITB21-009	Original bulletin published