

**Classification:**  
 EC08-027a

**Reference:**  
 ITB09-006a

**Date:**  
 February 26, 2009

## DIAGNOSIS PROCEDURE FOR MIL "ON" DTC P0603 ECM POWER SUPPLY

The Claims Information section of this bulletin has been amended. No other content has changed.  
 Discard all earlier versions of this bulletin.

**APPLIED VEHICLES:**

- 2006-2008 FX (S50)
- 2009 FX (S51)
- 2006 G35 Sedan (V35)
- 2006-2007 G35 Coupe (CV35)
- 2007-2008 G35 Sedan (V36)
- 2008-2009 G37 Coupe (CV36)
- 2009 G37 Sedan (V36)
- 2006-2009 M (Y50)
- 2008 EX35 (J50)
- 2006 Q45 (F50)

### SERVICE INFORMATION

If you have a vehicle with the MIL "ON" that has a DTC P0603 stored in the ECM:

- Perform the diagnostic steps in this bulletin FIRST.
- This DTC may have been stored due to a series of previous low battery voltage, dead battery or battery terminal disconnections.
- **DO NOT** perform any other diagnostic procedures or repairs for this code until you have performed the ones in this bulletin.
- See the Service Procedure in this bulletin for further detail.

### CLAIMS INFORMATION

Submit a Primary Operation (PO) type line claim using the following claims coding:

DESCRIPTION	OP CODE	SYM	DIA	FRT
DTC P0603 SYSTEM CHECK	EX16AA	HD	32	0.6

Infiniti 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 Infiniti dealer to determine if this applies to your vehicle.

## SERVICE PROCEDURE

1. Connect CONSULT III to vehicle.
2. Turn Ignition "ON", but **Do Not Start** engine.
3. Check for DTC's.
  - Confirm DTC P0603 is stored. If P0603 is not stored, this TSB does not apply.
  - If additional DTC's are stored, document the DTC's before proceeding.

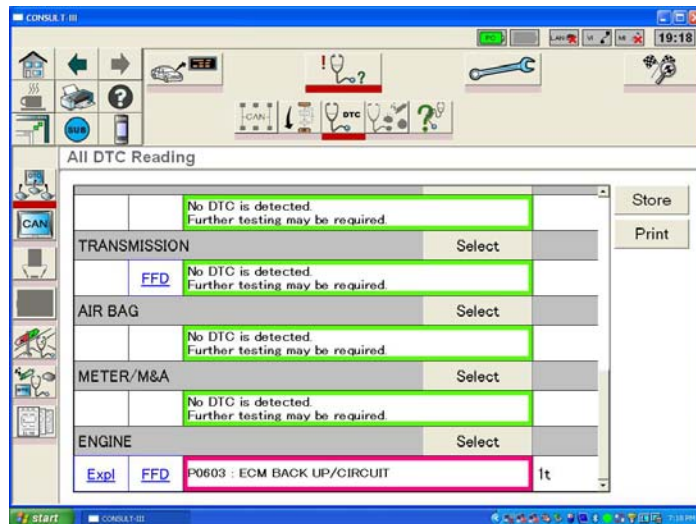


Figure 1

4. Erase all DTC's. Confirm that ENGINE has no DTC stored.

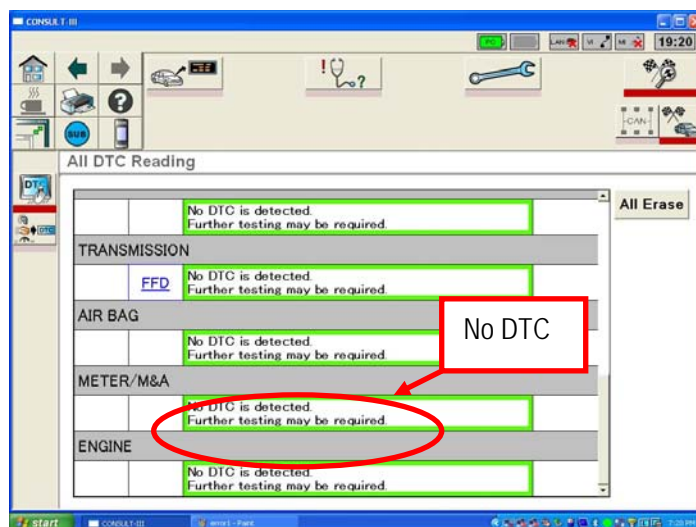


Figure 2

5. Turn Ignition "OFF". Wait **exactly** 5 minutes\* after the display changes from "No DTC" TO "Error".

NOTE: \*This waiting period is necessary for the ECM to completely shut off.  
Do not disconnect either battery cable at any time during this procedure.

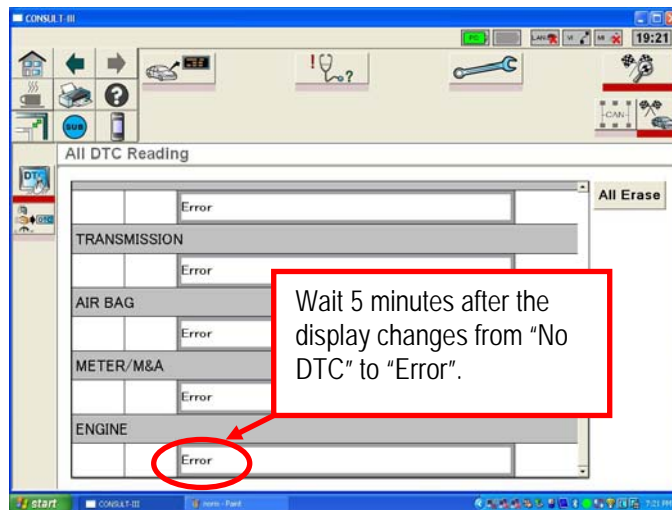


Figure 3

6. Turn ignition to "ON", but **Do Not Start** engine. Wait 10 seconds after the display changes from "Error" to "No DTC".

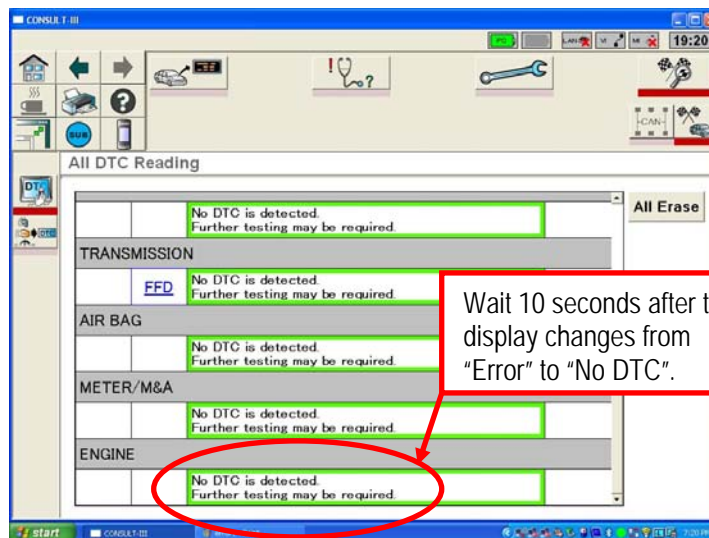


Figure 4

7. Repeat step 5 and 6 **five (5) more times** to complete the system check.

If DTC P0603 **does not** display after the system check:

- This will indicate P0603 was caused by a series of previous low battery voltage, dead battery or battery terminal disconnections.
- The vehicle harness, connections, and ECM are operating properly.
- Do not replace the ECM. No further action is necessary concerning P0603.
- Use the Claims Information in this bulletin for the previous steps.
- Go to step 9.

If DTC P0603 **does** display after the system check:

- Use the Claims Information in this bulletin for the previous steps.
- Go to step 8.

8. Refer to the appropriate Electronic Service Manual for further DTC P0603 diagnostic assistance.

- Apply standard warranty claims procedures for repairs of DTC P0603 using ESM procedures. These repairs are not covered under this bulletin

9. If other DTC's were previously stored, refer to the appropriate Electronic Service Manual for further diagnostic assistance for those DTCs.

- Apply standard warranty claims procedures for any additional repairs of DTCs using ESM procedures. These repairs are not covered under this bulletin

