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SERVICE BULLETIN

Classification:	Reference:	Date:
EC93-012	NTB93-158	October 28, 1993

CHECK ENGINE LIGHT ON

APPLIED VEHICLE(S):

[California Emissions Certified]

1989-90 Sentra (B12) w/GA16i Engine
1991-93 Sentra (B13) w/GA16DE Engine
1991-92 Sentra (B13) w/SR20DE Engine
1989-90 240SX(S13) w/KA24E Engine
1991-93 240SX(S13) w/KA24DE Engine
All M.Y. Stanza(U12) w/KA24E Engine
All M.Y. Axxess(M11) w/KA24E Engine
1993 Altima(U13) w/KA24DE Engine
1988-89 Truck(D21) w/Z24i Engine
1990-91 Truck(D21) w/KA24E Engine **[9/89-7/91 2WD A/T]**
1992 Truck (D21) w/KA24E Engine **[7/91-3/92 2WD A/T]**
1990-92 Truck(D21) w/KA24E Engine **[2WD M/T]**
1990-93 Pathfinder(WD21) w/VG30 Engine

SERVICE INFORMATION

If a customer driving one of the Applied Models observes the “Check Engine” light illuminated and the vehicle is subsequently evaluated with Consult, two of the codes which may be retrieved are: **Code 32 (EGR Failure)** or **Code 45 (INJECTOR Leak).**

This Bulletin will identify the **General Sequence** of DIAGNOSTIC/REPAIR INFORMATION to assist you in the resolution of Code 32 and/or Code 45. Secondly, this Bulletin will provide you with a **Model/Year-Specific Sequence** of DIAGNOSTIC/REPAIR INFORMATION to help you resolve Code 32 and/or Code 45 Faults on the above-applied vehicles.

SERVICE PROCEDURE

I. [General Sequence] Diagnostic and Repair Information

Code 32=

1. Check Basic Settings: TPS; Idle Speed; and Ignition Timing.

2. Review appropriate EF & EC Section for Diagnostic Procedure in Service Manual.

3a. Inspect and clean the EGR passage in intake manifold
b. Verify operation of EGR temperature sensor.

4. Refer to Model/Year-Specific Sequence for application of countermeasure part (if required).

Code 45=

1a. Check A/F Alpha reading in data monitor, if Consult compatible. A/F Alpha is checked at 2,000 RPM in neutral. If Alpha reading is greater than 90%, then the injectors are probably not leaking.

b. Check fuel pressure/injector leakage test.

c. Check operation of MAFS and connection.

d. Check operation of oxygen sensor.

2. Add additional ground to MAFS harness ground wire connection at MAFS. Sub harness is available for 3-wire MAFS, as applied to: M11; S13; U12; WD21

Ii. [Model/Year-Specific Sequence] Diagnostic and Repair Information

MODEL	CODE 32 [EGR]	CODE 45 [INJECTOR LEAK]
Sentra(B12) w/GA16i Engine M.Y. 1989-90	1a. Clean EGR passage in intake b. Clean/check operation of EGR temperature sensor. 2. Replace ECU (M/T, only) with: P/N 2371M-85A03RE **NOTE: First verify current ECU P/N**	**Not Applicable**
Sentra(B13) w/GA16DE M.Y. 1991-93	1. Check EGR hose connection at bottom front of throttle chamber. **Reference: NTB93-005.**	**With Driveability Incident:** Chafed orange or OR/W wire near MAFS connector (F6). Reposition MAFS harness to relieve strain; inspect wire 6" back from MAFS connector.
	2. If vacuum hose is loose, replace hose, P/N 22320-90Y00.	**Without Driveability Incident:** Add ground at MAFS, "W" wire. **[See Service Advisory, NTB93-xxx].**
Sentra(B13) w/SR20DE M.Y. 1991-92	1. Replace EGR/BPT tube. Countermeasure EGR/BPT tube= P/N 14725-64Y03.	**Without Driveability Incident:** Add ground at MAFS, "W" wire. **[See Service Advisory, NTB93-xxx].**
240SX(S13) w/KA24E M.Y. 1989-90 & **(All U12;M11)**	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor.	Install ground sub-harness, P/N 24079-40F00. This adds an additional ground at the MAFS "B" wire. Sub-harness goes between MAFS and MAFS harness.
240SX(S13) w/KA24DE M.Y. 1991-93	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor.	**Not Applicable.**
Altima(U13) w/KA24DE M.Y. 1993	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor.	Add additional ground to MAFS at MAFS "W" wire [connector F3]. (incident is frequently accompanied by driveability incidents or poor mileage).

MODEL	CODE 32 [EGR]	CODE 45 [INJECTOR LEAK]
Truck(D21) w/Z24i M.Y. 1988-89	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor.	**Not Applicable.**
Truck(D21) w/KA24E M.Y. 1990-91 (9/89-7/91) 2WD A/T	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor. 2. Install countermeasure ECU, P/N 2371M-86G76RE	**Not Applicable.**
Truck(D21) w/KA24E M.Y. 1992 (7/91-3/92) 2WD A/T	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor. 2. Install countermeasure ECU, P/N 2371M-86G78RE	**Not Applicable.**
Truck(D21) w/KA24E M.Y. 1990-92 2WD M/T	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor. 2. Contact Tech Line.	**Not Applicable.**
Truck(D21) w/KA24E M.Y. 1993 3/93-7/93	1a. Clean EGR passage in intake manifold. b. Clean/check operation of EGR temperature sensor. 2. Contact Tech Line.	**Not Applicable.**
Pathfinder (WD21) w/VG30 M.Y. 1990-93	**Not Applicable.**	Install ground sub-harness, P/N 24079-40F00. This adds an additional ground at the MAFS "B" wire. Sub-harness goes between MAFS and MAFS harness.

CLAIMS INFORMATION

Please reference the 1991 or 1992-93 Nissan Warranty Flat Rate Manual and choose the appropriate PNC/OpCode/FRT combination(s) that best reflect the warranty work performed.