



SERVICE BULLETIN

Classification: EC05-007	Reference: NTB05-040	Date: May 25, 2005
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1998 - 2000 FRONTIER & XTERRA WITH KA24 ENGINE; MIL WITH DTC P0400, P0402, ROUGH IDLE, DRIVABILITY INCIDENTS, DIFFICULTY SETTING EGR SRT

APPLIED VEHICLES: 1998 – 2000 Frontier (D22) with KA24 engine
2000 Xterra (WD22) with KA24 engine

APPLIED ENGINE: KA24DE 4 cylinder engine

IF YOU CONFIRM:

- DTC P0400 (EGR) or P0402 (EGRC-BPT Valve) is stored in the ECM,
and/or
- The vehicle exhibits rough running or other drivability incidents,
and/or
- Difficulty in setting the EGR System Readiness Test (SRT) status to CMPLT.

ACTION:

Clean the intake manifold EGR ports.

IMPORTANT: The purpose of "ACTION" (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire Service Procedure (starting on page 2) as it contains information that is essential to successfully completing this repair.

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

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
EGR Valve Gasket	14719-3S500	1
Gasket-Throttle Chamber	16175-3S500	1
High Temp Thread Locker *	999MP-AM004P	As needed

* High Temp Threadlock is considered a shop supply and is available from the Nissan Direct Ship Chemical Care Product Program: Phone 1-800-811-0502, Fax 1-770-218-0148, Website order link via dealer portal www.NNAnet.com or direct www.NissanChemicals.com

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Clean Manifold & EGR Ports	14001-F4500	EX10AA	HD	32	1.2 hrs (1)

(1) FRT includes adequate time to perform the P0400 and P0402 diagnostic and performance tests – do NOT claim any diagnostic Op Codes on this claim.

SERVICE PROCEDURE

- Remove the throttle chamber assembly and place it aside.
 - Refer to the EM section of the appropriate Service Manual (ESM).

NOTE: It is not necessary to completely remove the throttle chamber assembly.

- Only remove harness connectors, cables, and hoses necessary to allow the throttle chamber assembly to be placed aside.
- Throttle chamber coolant hoses do not need to be removed.**

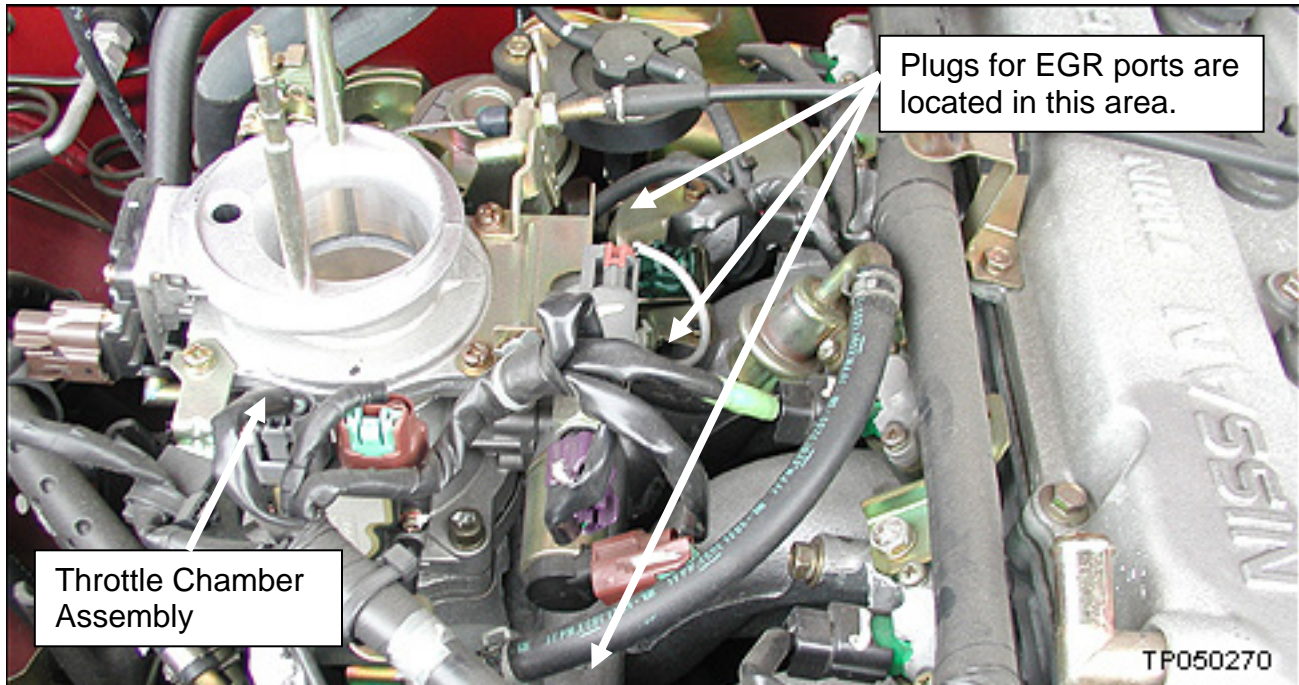


Figure 1

NOTE: Figure 1 gives a general location of the plugs for the EGR ports, but the plugs are not visible in the photo.

2. Remove the EGR valve mounting bolts and then move the EGR valve outward about ½ inch (see Figure 2).
 - This is so you can remove the plug for the “rear most” EGR port.

NOTE: You don't need to completely remove the EGR valve.

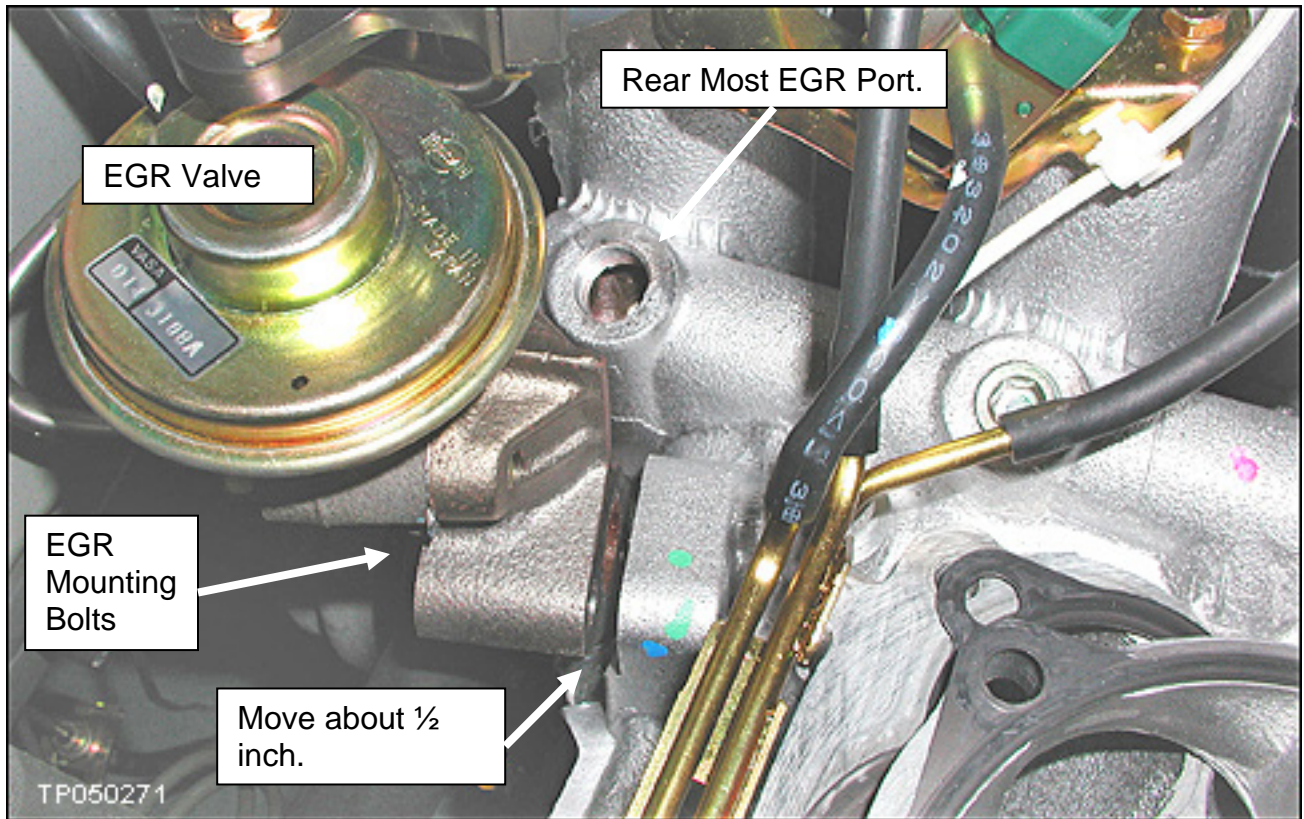


Figure 2

3. Remove the plugs for the EGR ports (see Figure 3).

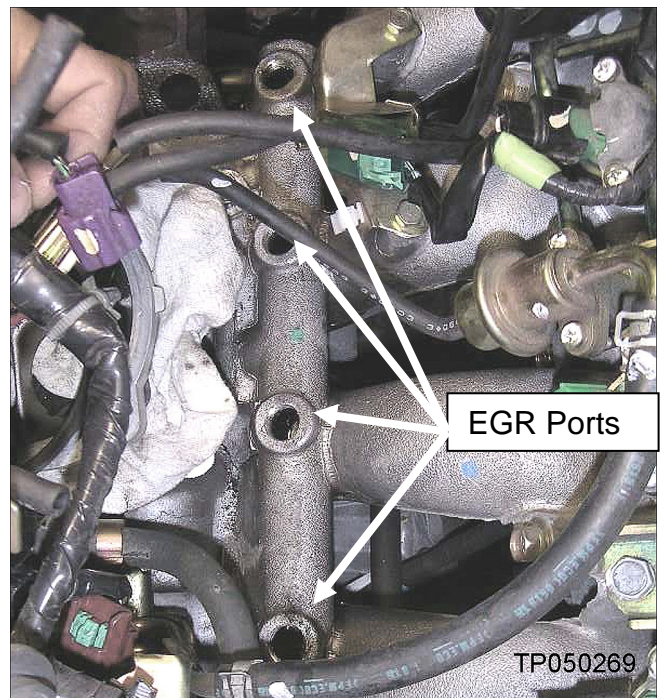


Figure 3

4. Clean deposits out of the EGR ports (see Figure 4).

- Use a small wire bottle brush inside each port.
- Make sure you clean out the smaller hole inside the port.
- Finish cleaning by spraying throttle body/carburetor cleaner in and through each port.
- When you're finished, the area around the smaller hole should be bare metal (silver color).

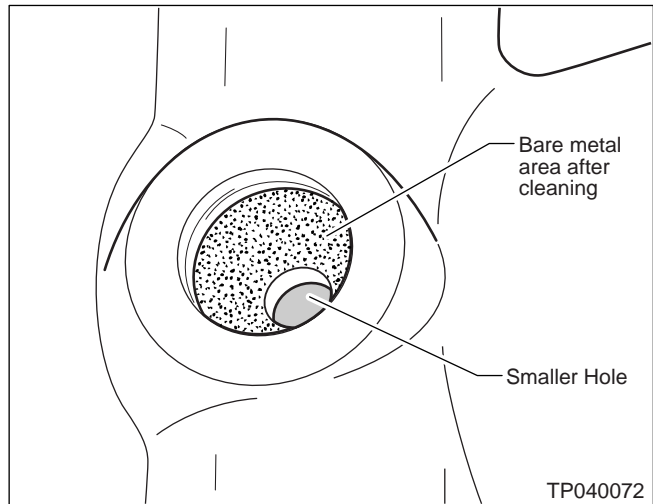


Figure 4

CAUTION: Don't use too much cleaner!

- Cleaner sprayed in the ports will puddle in the intake manifold.
- If too much is used, it may cause the engine to "lock-up" when it is started.
- If the engine locks because too much cleaner is used, it may bend a connecting rod.

5. Apply Threadlocker to the EGR port plugs, then reinstall the plugs

- Use Permatex High Temp Threadlocker Red - 999MP-AM004P. This product is available from the Nissan Direct Ship Chemical Care Product Program: Phone 1-800-811-0502, Fax 1-770-218-0148, Website order link via dealer portal www.NNAnet.com or direct www.NissanChemicals.com

6. Reinstall the EGR valve mounting bolts (use a new gasket).

7. Reinstall the throttle chamber (use a new gasket).

8. Reinstall any other parts that were removed.

9. Run the engine at 2000 rpm with no load for 30 seconds to clear loose deposits from the intake manifold.

10. Test drive the vehicle and confirm your incident is fixed and a code is not stored.

- Use the DTC P0400 or P0402 Confirmation Procedure in the Service Manual (ESM).
- Use CONSULT-II to erase any stored DTC's.