



SERVICE BULLETIN

Classification: EC97-050	Reference: NTB98-024	Date: March 15, 1998
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DIAGNOSTIC PROCEDURE FOR DTCs P0120, P0510, P0731, P0732 OR P0733 WITH NO DRIVEABILITY INCIDENTS

This bulletin supersedes NTB97-028. Please discard copies of NTB97-028.

APPLIED VEHICLES:	1995-96	Maxima	(A32)
	1995-97	Sentra/200SX	(B14) with the SR20 engine
	1996-97	Truck	(D21)
	1995-97	Altima	(U13)
	1996-97	Pathfinder	(R50)
	1995-96	240SX	(S14)
	1996-97	Quest	(V40)

APPLIED DATES: 1995 Maxima (2/94 - 10/94); (10/94 - 5/95 FED);
(4/95 - 5/95 CAL)

All other models: All dates

APPLIED TRANSMISSION #s: See Parts Information on page 3

SERVICE INFORMATION

If one of the above applied vehicles has a MIL "on" with P0120 (throttle position sensor), P0510 (closed throttle position switch), P0731 (A/T 1st), P0732 (A/T 2nd) or P0733 (A/T 3rd) stored in the ECM with no driveability or A/T shift quality incidents, the throttle position sensor (TPS) may be registering an inaccurate voltage at idle.

A countermeasure TPS is now available, if necessary, to resolve this incident.

Use this bulletin to diagnose and repair this incident.

SERVICE PROCEDURE

1. Start the vehicle and warm up the engine (coolant temperature above 160°F).
2. Shut the engine off. Then turn the key to the ON position.
3. Using CONSULT, select THRTL POS SEN in the Data Monitor mode (see Figure 1, page 2).
4. Note the TPS voltage (initial resting voltage).
5. Depress the accelerator fully and then release slowly until it releases completely.
6. Wait 5 seconds and monitor the TPS voltage again (final resting voltage). Note any change.

NOTE: You may have to perform this procedure more than once to duplicate the incident.

- A) If the final resting voltage is greater than the initial resting voltage, proceed to step 7.
- B) If there is no measurable difference between the initial and final resting voltages, refer to the specific DTC code diagnostic procedure in the appropriate service manual.

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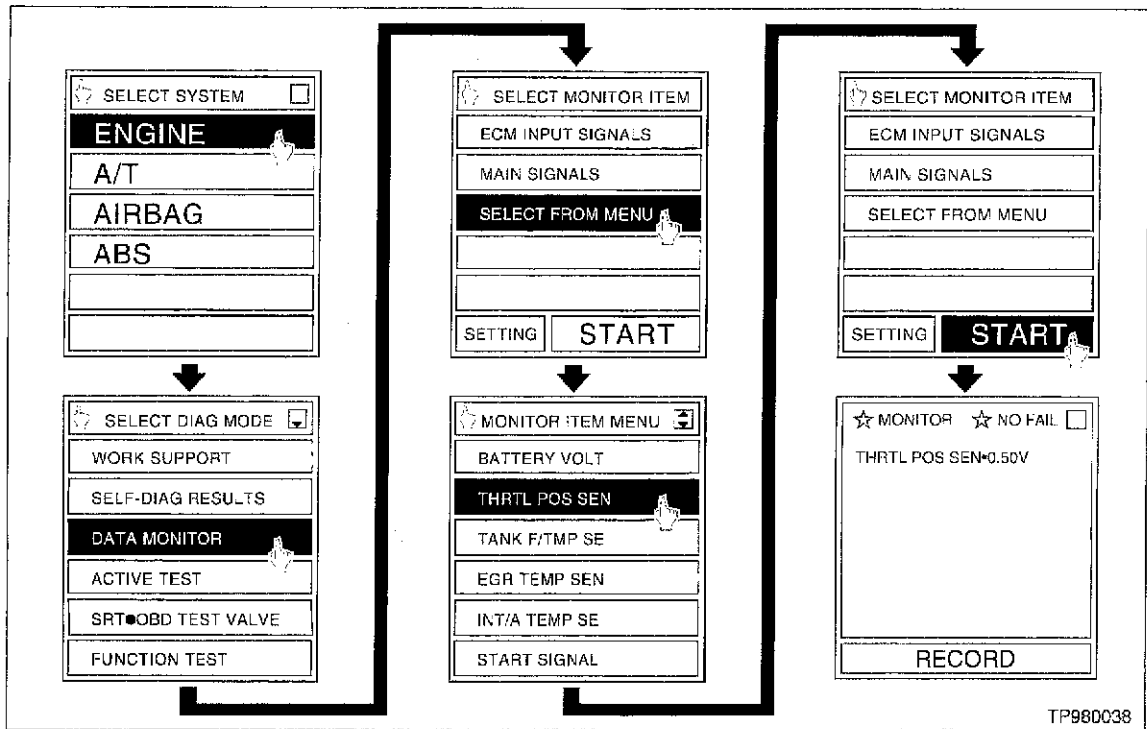


Figure 1

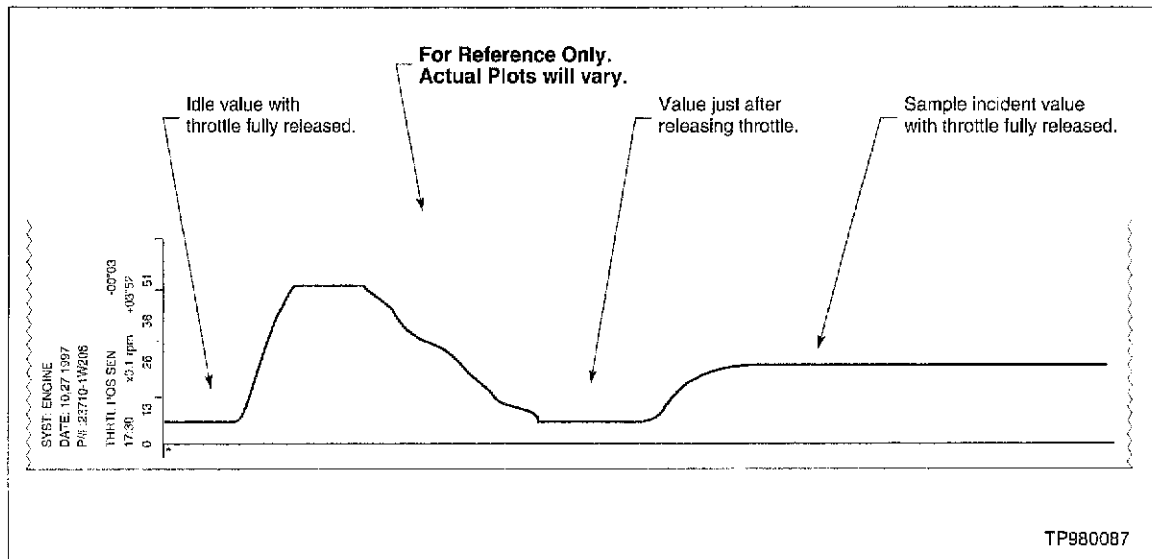


Figure 2

NOTE: Figure 2 is a visual representation of the incident and is **for reference only**. It will be easier to perform this test based on the actual voltage values displayed (as in Figure 1) rather than to graph the voltage output. *Use the actual voltage values to calculate the change.*

For B14, R50 and U13 models

7. Use the appropriate service manual procedures to replace the TPS with the countermeasure TPS. Also replace the automatic transmission control unit.

For A32, D21, L30, S14 and V40 models

7. Use the appropriate service manual procedures to replace the TPS with the countermeasure TPS.

CAUTION: Pay close attention to the TPS adjustment and resetting the Self Learning of the idle position memory. After installation, if you adjust the new TPS incorrectly you may create additional MIL 'on' or driveability issues.

PARTS INFORMATION

DESCRIPTION	APPLIED DATE	PART NUMBER	QUANTITY
Throttle position switch			
1995 A32 M/T	2/95-10/94 10/94-5/95 FED	22620-31U01	1
1995 A32 M/T & A/T	4/95-5/95 CAL	22620-3M200	1
1996 A32 M/T & A/T	All		
95-97 B14 M/T SR20 engine only	All	22620-53J01	1
95-97 B14 A/T SR20 engine only	All	22620-64Y04	1
96-97 D21 M/T & A/T	All	22620-65F20	1
96-97 R50 M/T & A/T	All	22620-4P210	1
95-96 S14 M/T & A/T	All	22620-3M200	1
95-97 U13 M/T & A/T	All	22620-3M200	1
95-97 V40 M/T & A/T	All	22620-65F20	1
Automatic transmission control unit—A/T models only			
1997 B14 with SR20 engine	All	31036-1M860	1
1997 R50	All	31036-1W260	1
1997 U13	All	31036-5E801	1

CLAIMS INFORMATION

When applicable, standard claims coding applies.