



NISSAN MOTOR CORPORATION IN U.S.A.

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TECHNICAL DATABASE INFORMATION

Record ID: FC0008416	Source Reference Number: STC196	Classification: APR 93
Subject: HESITATION	Entered On: 04/26/93	
Model Line: NIS	Model Year: 87 88 89 90 91 92	

Technical Information Abstract:

INFORMATION: DIAGNOSIS OF HESITATION INCIDENTS ON FUEL INJECTED VEHICLES SHOULD INCLUDE VERIFICATION OF THE FOLLOWING ITEMS PRIOR TO COMPONENT REPLACEMENT. ALL ITEMS SHOULD BE CHECKED TO ELIMINATE POSSIBLE SECONDARY INCIDENTS.

- 1) FUEL QUALITY, PRESSURE & QUANTITY (VERIFY PRESSURES ARE TO SPECIFICATIONS).
- 2) THROTTLE SENSOR VOLTAGE, THRU FULL RANGE OF OPERATION.
- 3) INJECTOR & TPS HARNESS CONNECTIONS. CHECK FOR CORROSION, CHAFED/DAMAGED WIRES, & TIGHT, SECURE CONNECTIONS.
- 4) EGR SYSTEM OPERATION (TYPICAL EGR TEST PROCEDURES FOUND IN FILE FC 8207, SEE SERVICE MANUAL FOR SPECIFIC APPLICATIONS). ==>
- 5) COOLANT TEMP SENSOR OPERATION.
- 6) AIR FLOW METER VOLTAGE.
- 7) BASE IGNITION TIMING (ALSO, VERIFY IGNITION TIMING UNDER ACCELERATION).
- 8) ENGINE MECHANICAL CONDITION (MAY BE NECESSARY TO PERFORM COMPRESSION OR CYLINDER LEAK DOWN TEST TO CONFIRM ENGINE MECHANICAL CONDITION).

NOTE: THESE ITEMS ARE INTENDED TO PROVIDE A REFERENCE LIST TO HELP DIAGNOSE HESITATION INCIDENTS ON FUEL INJECTED ENGINES & REDUCE REPEAT INCIDENTS. REFER TO APPROPRIATE YEAR & MODEL SERVICE MANUAL FOR SPECIFICATIONS, WIRING DIAGRAMS & DIAGNOSTIC PROCEDURES.

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