SYSTEM READINESS TEST (SRT) DRIVE PATTERNS

This amended version of NTB98-018b contains an updated Service Procedure and updated ECM part numbers. Please discard all copies of NTB98-018b.

APPLIED VEHICLE(S): All 1996-97 Models As Required By State Emissions Inspections Regulations.

SERVICE INFORMATION

As part of an enhanced emissions test for Inspection & Maintenance (I/M), some States may require the System Readiness Test (SRT) status be checked.

- The SRT is used to indicate whether the engine control module (ECM) has completed self diagnosis of major emissions systems and components.
- In these instances the State may require completion of the SRT before permitting the emissions inspection to proceed.

Therefore, the State Emissions Inspection Station may advise a Nissan customer to return to the dealership for service due to one or more SRT items coming up “INCOMPLETE.” Use the information in this Bulletin to help you “COMPLETE” the SRT.

On 1996 and 1997 Nissan vehicles CONSULT is used to access SRT status.

- In most cases the ECM will automatically complete its self diagnosis cycle during normal vehicle usage, and the SRT status will indicate “COMPLETE” for each applicable system.
- Once indicating “COMPLETE,” the SRT status remains “COMPLETE” until the Self Diagnosis memory is erased.
- Occasionally, certain portions of the self diagnostic test may not be completed as a result of the customer’s normal driving pattern. In these cases the SRT will indicate “INCOMPLETE” for these items.

NOTE: The SRT will also indicate “INCOMPLETE” if;

- the self diagnosis memory is erased for any reason or
- if the ECM memory power supply is interrupted for several hours.

This bulletin contains the service procedure and support information to help you;

- read SRT status and
- to perform a comprehensive road test that enables the ECM to complete the SRT.

A separate Drive Pattern sheet for each ’96 and ’97 vehicle variation is included with this Bulletin.

NOTE: You must select the drive pattern that correctly corresponds with all variables for the vehicle being serviced (i.e., engine, ECM part number, model, model year, emissions certification, transmission, and powertrain).

NOTE: To ensure all ECM Self Test requirements are met, it is important to drive the entire drive pattern even if only one SRT item indicates “INCOMPLETE.”
SERVICE PROCEDURE
SRT WORKFLOW

Vehicle Referred by IM Inspector

Start

Step 1, Page 2
Check for DTCs
**Do Not Erase**

Use Service Manual and ASIST to repair DTCs

No DTC

Step 2, Page 4
Check SRT Status

Any "INCOMPLETE"

Step 3, Page 5
ID Vehicle

Step 4, Page 5
Check ECM Part Number

Step 5, Page 5
Perform Road Test

All "COMPLETE"

Step 6, Page 8
Recheck for DTCs
**Do Not Erase**

Use Service Manual and ASIST to repair DTCs

No DTC

Step 7, Page 8
Confirm all SRT "COMPLETE"

All "COMPLETE"

END
Step 1: Check For DTC

1. Connect CONSULT.
2. Turn ignition ON and read the program card ID on CONSULT screen (Figure 1).
   - If this screen indicates a card identification other than UE991, refer to “Loading Program Card” on page 7 of this bulletin for details.

   ![Figure 1](image1.png)

3. If the UE991 card is loaded, Touch: Start, Engine, Self Diagnosis Results (Figure 2).
   - If any Diagnostic Trouble Codes (DTC’s) come up, they must be repaired at this time. Refer to ASIST and the service manual for diagnostic information.
     
     **NOTE:** Normal warranty coverage will apply to the above repairs.
   - If the CONSULT screen indicates: “No Self Diagnostic Failure Indicated,” go to the next step. Touch the “Back” key on CONSULT keypad and return to the Engine menu.
     
     **NOTE:** DO NOT touch “Erase” or you will lose previously completed SRT items.

Step 2: Check SRT Status

Starting from CONSULT’s Engine menu:

1. Touch SRT-Confirmation, then touch SRT Status.
2. The screen will display the status of all SRT items for the vehicle being inspected (Figure 3).

   ![Figure 3](image2.png)

   *In some cases, the normal driving that occurs between the time the vehicle was referred by the State Emissions Inspection Station and it is brought into the dealership for SRT evaluation may allow the ECM to complete the SRT. If this occurs, no further action is necessary on the part of the dealership. Always check SRT status before performing the SRT drive pattern.*
Step 3: Identify The Vehicle

To verify the SRT status and to choose the Drive Pattern, it is extremely important to accurately identify the model, engine, ECM part number, model year, powertrain and emissions certification of the vehicle.

- Print or photocopy the Vehicle Identification Worksheet provided on page 10 of this bulletin.
- Carefully follow the instructions to completely fill out the worksheet.
- Attach a copy of the completed worksheet to the hard copy of the Work Order.

Step 4: Check ECM Part Number

Use CONSULT to display the ECM part number (Figure 4).

1. From the Engine menu, touch: ECM Part Number.
2. Touch the blank key on CONSULT’s key pad to print the screen (Figure 4).
3. Attach the printout or write the ECM part number in the space provided on the SRT Vehicle Identification Worksheet (page 10).
4. Touch “Back” on the CONSULT keypad to return to the Engine menu.
- Compare the ECM part number displayed by CONSULT with the list of ECM part numbers provided in the Nissan SRT System Chart (page 11) to determine the drive pattern for the vehicle being inspected. Write that information on the SRT Vehicle Identification Worksheet.
- If the ECM part number displayed by CONSULT does not match a part number listed on the SRT System Chart for that vehicle, either 1) the vehicle was identified incorrectly or 2) the vehicle has the wrong ECM installed. The SRT cannot be completed with the incorrect ECM.

Step 5: SRT Road Test

To properly obtain an SRT reading of “COMPLETE,” it is necessary to drive the vehicle under the exact conditions required by the vehicle’s ECM. This bulletin contains specific driving patterns for every 1996 and 1997 Nissan vehicle. **Be sure to select the correct pattern.** The SRT will not set if the wrong drive pattern for the vehicle is selected.
Step 5 (continued)
1. Select the Drive Pattern based on the information from the SRT Vehicle Identification Worksheet and the SRT System Chart:
   - Use the “Bookmark” on the left side of the ASIST screen to choose the correct model and year.
   - Verify that the vehicle ECM P/N as displayed by CONSULT matches EXACTLY an ECM P/N listed on the Drive Pattern sheet you chose.
   - Print out the pattern to take with you on your test drive.
2. Prior to driving the vehicle, review the Drive Pattern and prepare to complete it from start to finish:
   - Confirm the ECM part number displayed on CONSULT for this vehicle matches with an ECM part number on the drive pattern selected.
   - Review the Pre-Check items listed on the drive pattern and ensure all conditions are met.
   - Determine the vehicle speeds required by the drive pattern.
   - Plan your route to minimize traffic and traffic signals that might interrupt the Drive Pattern tasks.
   - Review the Drive Pattern section(s) that must be restarted if you are interrupted.
   - Do not use the ASCD (cruise control) during any section of the Drive Pattern that contains the “No ASCD” symbol.
   - Some EVAP-equipped vehicles will require fuel be added to the tank between the first and second trip. Be prepared to purchase fuel or plan your route to accommodate this step.
   - For these EVAP-equipped vehicles, begin road test with less than ½ tank of fuel. If fuel level is greater than ½, more time may be required to complete EVAP sections of the drive pattern. You also may be unable to add fuel as required.
3. Preparing to drive the vehicle:

   Vehicles without OBD-II monitored EVAP System:
   a. Starting with the CONSULT Engine Menu, touch: SRT Confirmation, SRT Work Support, Main Signals. CKPS-RPM (POS), THRTL POS SEN, and B/Fuel SCHDL will automatically be selected as monitor items. (Figure 5)

   SRT Work Support Screen
   
   CATALYST CMPLT
   O2 SENSOR CMPLT
   O2 SEN HEATER CMPLT
   EGR SYSTEM CMPLT
   ------ MONITOR ------
   CMPS•RPM(POS) 950rpm
   THRTL POS SEN 0.44V
   B/FUEL SCHDL 2.0msec

   Figure 5

   b. Proceed to # 4, “Driving the vehicle”, on the next page.

   Vehicles with OBD-II monitored EVAP System:
   a. Starting with the CONSULT Engine Menu, touch: SRT Confirmation, SRT Work Support, Main Signals.
   b. If TANK F/Temp SE is not already displayed, touch the BACK key to return to the SRT Work Support screen.
Step 5 (continued)
c. Touch: Selections From Menu and select CKPS-RPM (POS), THRTL POS SEN, and
   B/FUEL SCHDL if not already highlighted. Also select TANK F/TEMP SE then touch
   the ENTER key.
d. Proceed to # 4, “Driving the vehicle”, below.

TIP: Monitor the Fuel Temperature if the EVAP SRT is “INCOMPLETE.” One part of the
EVAP SRT diagnostic logic requires a 3° C. increase in fuel temperature from the time the
ignition key is turned to “on” as part of the test criteria. Fluctuations in the fuel temperature
reading can extend the time required for the EVAP SRT to indicate “COMPLETE.” If the
fuel temperature change is not sufficient after completing the SRT Drive pattern, idle the
vehicle until a fuel temperature increase of at least 3° C. is noted or until the EVAP SRT
indicates “COMPLETE.”

NOTE: If the fuel temperature increases 3° C. or more but the SRT still indicates
“INCOMPLETE,” the SRT Drive Pattern may need to be repeated.

SRT Work Support Screen

4. Driving the vehicle:

IMPORTANT: Nissan requires and flat rate time allows using a driver and an assistant to
conduct SRT driving patterns. The assistant should read the drive pattern, CONSULT data
and drive time and convey driving instruction to the driver. It is the driver’s responsibility to
observe and react to traffic conditions. Always drive the vehicle in a safe manner and
obey all traffic laws.

• To ensure all ECM Self Test requirements are met, drive the ENTIRE pattern whenever
any SRT items indicate “INCOMPLETE.”
• Some vehicles require that sections of the Drive Pattern be driven two times to satisfy
the self diagnosis two trip logic. This requirement is called out in the Nissan SRT
System Chart and by a double line in the actual drive patterns.
  For vehicles that require two trips, the pre-check engine coolant temperature must be
  met before beginning Section 1 of the second trip.

5. Start the Drive Pattern test:

• After meeting the Pre-Check conditions, start the engine and carefully follow the specific
instructions and time requirements listed in each section of the drive pattern.

TIP: The Base Fuel Schedule (B/FUEL SCHDL) is an indication of engine load. It will be
easier to match high B/FUEL SCHDL values when driving up slight hills in the
recommended gear range. It will be easier to match low B/FUEL SCHDL values when
driving down slight hills in the recommended gear range. Turning the A/C compressor ON
will increase the B/FUEL SCHDL value, while turning it OFF will decrease the value of the
B/FUEL SCHDL.
Note: For better readability, the figures TP980028, 8a, 8b, and 8c are added to the document.
6. Push the “off” button and allow CONSULT to power down.
7. Push the “on” button. CONSULT should display the new program card number on the “START” screen. If so, the new program is ready to use. If not repeat all steps.

CLAIMS INFORMATION:

PFP: 237RE

Symptom: HD

Diagnosis: 32

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<tr>
<th>DESCRIPTION</th>
<th>OP CODE</th>
<th>FLAT RATE TIME</th>
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<td>A32  B14  D21  R50  S14  V40  Z32  U13</td>
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<tr>
<td></td>
<td></td>
<td>VQ   GA   SR   KA   VG   KA   VG   KA</td>
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<td>1997 Model Year SRT Drive Pattern</td>
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**NOTE**: All flat rate times include labor for two (2) people (1 technician and 1 driver).

Additional Expenses:

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<th>DESCRIPTION</th>
<th>EXP. CODE</th>
<th>MAXIMUM AMOUNT</th>
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<tbody>
<tr>
<td>Fuel, if required, for SRT tests performed on vehicles with EVAP system.</td>
<td>016</td>
<td>4 Gallons</td>
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</table>

Emission Control Warranty coverage for EFI Control Unit applies when performing SRT Drive Pattern. Normal Warranty Coverage should be applied to any DTC-related repair.
Completing the SRT Vehicle Identification Work Sheet

1. Customer Information.
   • Record the appropriate information from the Work Order.

2. Vehicle Information.
   Record the following information from the vehicle:
   • Model (Altima, Sentra, Truck, etc.).
   • VIN (always take the VIN directly from the vehicle ID plate). Place one letter or number in each box.
   • Model Year. The 10th digit of the VIN determines the model year. T=1996, V=1997.
   • Engine – for 200SX and 300ZX vehicles, please specify the engine type:
     ⇒ 200SX – GA16 or SR20
     ⇒ 300ZX – Turbo or Non-turbo
   • Transmission type. (A/T or M/T).
   • Emissions Certification:
     ⇒ 1996 Altima models have different drive patterns for vehicles with Federal or California emissions certification. Several States other than California require California emissions certification.
     ⇒ Check the under hood emissions label on Altima to determine the emissions certification for the vehicle being inspected (refer to Figure 9).

3. SRT Support Information.
   Refer to the SRT System Chart (right half of the chart) on page 11 to determine and record the following:
   • Drive Pattern Number.
   • SRT Check Items.
SRT Vehicle Identification Worksheet

Print or make copies of this worksheet and use as needed. 
Attach the completed worksheet to the Vehicle Work Order.

1. Customer Information

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<th>Customer Name:</th>
<th>Work Order #</th>
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<td>(from work order)</td>
<td>(from work order)</td>
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2. Vehicle Information

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<tr>
<th>Model:</th>
<th>Engine Type:</th>
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<tr>
<td>(check vehicle)</td>
<td>200SX: GA16 SR20 300ZX: Turbo Non-turbo</td>
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Must obtain VIN directly from the vehicle ID plate.

<table>
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<tr>
<th>VIN:</th>
<th>Year:</th>
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<td>(10th digit of VIN)</td>
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<table>
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<th>Transmission Type:</th>
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<th>Powertrain:</th>
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<td>2WD 4WD</td>
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3. SRT Support Information:

(Refer to SRT System Chart)

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<thead>
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<th>Drive Pattern #</th>
<th>Page</th>
</tr>
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SRT Check Items:
(Cross out Items listed as N/A on SRT System Chart)

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<tr>
<th>EGR</th>
<th>O2 Sensor Heater</th>
<th>O2 Sensor</th>
<th>Catalyst</th>
<th>EVAP System</th>
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<td>Model Year</td>
<td>T/M</td>
<td>ECM Part No.23710-XXXXX</td>
<td>Drive Pattern</td>
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<td>------------</td>
<td>-----</td>
<td>-------------------------</td>
<td>---------------</td>
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## Nissan SRT System Chart (page 2)

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<th>Model</th>
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<th>T/M</th>
<th>ECM Part No.23710-XXXXX</th>
<th>Drive Pattern</th>
<th>EGR</th>
<th>O₂ Heater</th>
<th>O₂ Sensor</th>
<th>Catalyst</th>
<th>EVAP</th>
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<td>1 trip or 2 trip SRT</td>
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<td>2 trip</td>
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<td></td>
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<td>Truck (4WD)</td>
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<td>1 trip or 2 trip SRT</td>
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<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>1S304, 1S305, 1S306, 1S307, 1S308, 1S764, 1S766, 1S769, 1S774, 1S775, 1S776, 1S777, 1S778, 1S779, 1S780, 1S784, 1S783</td>
<td>35</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
</tr>
<tr>
<td></td>
<td>'97</td>
<td>M/T</td>
<td>1S304, 1S305, 1S306, 1S307, 1S308, 1S764, 1S766, 1S769, 1S774, 1S775, 1S776, 1S777, 1S778, 1S779, 1S780, 1S783, 1S784</td>
<td>36</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
</tr>
<tr>
<td>240SX</td>
<td>'96</td>
<td>M/T</td>
<td>72F00, 72F01, 72F02, 72F03, 72F04, 72F05</td>
<td>1 trip or 2 trip SRT</td>
<td>37</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>72F10, 72F11, 72F12, 72F13, 72F14, 72F15</td>
<td></td>
<td>38</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>'97</td>
<td>M/T</td>
<td>81F00, 81F01, 81F02, 81F03</td>
<td>2 trip or 2 trip SRT</td>
<td>39</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>81F10, 81F11, 81F12, 81F13</td>
<td></td>
<td>40</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300ZX</td>
<td>'96</td>
<td>M/T</td>
<td>54P00, 54P01, 54P02, 54P03, 54P04</td>
<td>1 trip or 2 trip SRT</td>
<td>41</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
</tr>
<tr>
<td>(Non-turbo)</td>
<td></td>
<td>A/T</td>
<td>54P05, 54P06, 54P07, 54P08, 54P71, 54P09</td>
<td></td>
<td>42</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>54P00, 54P01, 54P02, 54P03, 54P04</td>
<td>2 trip or 2 trip SRT</td>
<td>43</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>54P05, 54P06, 54P07, 54P08, 54P71, 54P09</td>
<td></td>
<td>44</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
<td>2 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>54P00, 54P01, 54P02, 54P03, 54P04</td>
<td>1 trip or 2 trip SRT</td>
<td>45</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
<td>1 trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A/T</td>
<td>54P05, 54P06, 54P07, 54P08, 54P71, 54P09</td>
<td></td>
<td>46</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Note:
- SRT Items highlighted in gray indicate the drive pattern section for that item must be repeated if the trip is interrupted by releasing the throttle when not directed to do so.
- No gray highlight indicates the drive pattern for that SRT item will resume at point of interruption if the drive pattern for that SRT item is interrupted by releasing the throttle when not directed to do so.
### System Readiness Test Drive Pattern #12

#### 1st Trip:
- Allow engine to idle for 10 minutes then cycle ignition key off for 10 seconds. Restart engine and immediately begin next drive pattern section.

#### 2nd Trip:
- Turn ignition off, add 4 gallons of fuel. Start engine and allow to idle for 10 minutes then cycle ignition key off for 10 seconds. Restart engine and immediately begin next drive pattern section.

#### Drive Pattern Requirements
- Drive vehicle and meet conditions listed for the time period indicated. If interrupted, increase drive time or repeat section as directed.
- Increase & decrease road speed as indicated by drive pattern lines. Select level roads for best results.
- Use CONSULT Data Monitor to ensure Pre-check conditions are met prior to starting section 1.
- Use CONSULT Data Monitor to display values. Match specifications while driving vehicle.
- Read and follow all notes.

### Drive Pattern Layout

#### SRT Drive Pattern Layout

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2 more may be required to complete the test.

**NOTE:** Select level roads whenever possible.

**A/C switch**
- **ON** - adds engine load to increase B/FUEL SCHDL.
- **OFF** - lowers engine load to decrease B/FUEL SCHDL.

---

### Pre-check

<table>
<thead>
<tr>
<th>Pre-check</th>
<th>EGR</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1°</td>
<td>2°</td>
<td>3°</td>
<td>4°</td>
<td>5°</td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

---

### Engine Componentswarmed-up

- Cruise at 50 - 65 MPH
- Selector lever: “D” (OD ON)
- ENG. RPM: 1,400 - 1,600
- A/C switch: ON

- Cruise at 21 - 25 MPH
- Selector lever: “D” (OD OFF)
- ENG. RPM: 1,000 - 1,200
- A/C switch: OFF

### Drive Time Requirements

- Match specifications while driving vehicle.
- Read and follow all notes.

---

### Vehicle Identification

- '96 Maxima A/T
- Always match vehicle and ECM part number to correct drive pattern sheet.
- Do not use ASCD (cruise control)

---

### Tips to Help Ensure Required Vehicle Conditions Are Met

- Use CONSULT Data Monitor to display values.
- Match specifications while driving vehicle.
- Read and follow all notes.
- Select level roads whenever possible.
System Readiness Test Drive Pattern #1

ECM Part Numbers: 23710-5E400, -5E401, -5E402, -5E403, -5E404

One Trip Logic for all sections. Drive all sections one time.

Pre-check

1

2

3

4

5

6

7

ENGINE COMPARTMENT WARM-UP

Catalyst

O2 Sensor

Start engine and idle at least 1.5 minutes.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.

B/F SCHDL: 1.8 - 1.7 msec
Selector lever: "4th"
ENG. RPM: 1,600 - 2,000
A/C switch: ON

Drive at 95 - 75 MPH
Selector lever: "5th"
B/F SCHDL: 2.5 - 4.2 msec
ENG. RPM: 1,600 - 2,000

Drive 3 minutes

Drive 1.5 minutes

Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.

Drive 3 minutes

Start steady state cruise at: 53 - 55 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "5th"
B/F SCHDL: More than 1.8 msec
ENG. RPM: 2,100 - 2,200
A/C switch: ON

Cruise at 50 - 60 MPH
Selector lever: "4th"
Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

Downshift then completely release accelerator more than 5 seconds without braking, then idle 1 minute in neutral or park.

Idle 1 minute

Engine coolant temperature must be below 70˚C (158˚F) before starting engine.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Altima (FED) M/T
System Readiness Test Drive Pattern #2

ECM Part Numbers: 23710-5E410, -5E411, -5E412, -5E413, -5E414

One Trip Logic for all sections. Drive all sections one time.

Pre-check

<table>
<thead>
<tr>
<th>Section</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Idle 1.5 minutes</td>
</tr>
<tr>
<td>2*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>3*</td>
<td>Drive 1.5 minutes</td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70°C (158°F) before starting engine.

Start engine and idle at least 1.5 minutes.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.

B/F SCHDL: 2.0 - 2.2 msec
Selector lever: "D" (OD ON)
ENG. RPM: 1,200 - 1,400
A/C switch: ON

ENGINE COMPARTMENT WARM-UP

Drive at 65 - 75 MPH
Selector lever: "D" (OD ON)
ENG. RPM: 1,800 - 3,000

Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.

CATALYST

Drive 3 minutes

Steady state cruise at:
53 - 58 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "D" (OD ON)
ENG. RPM: 1,500 - 2,000
A/C switch: ON

O2 SENSOR

Drive 3 minutes

Steady state cruise at 55 - 75 MPH
Selector lever: "D" (OD OFF)
B/F SCHDL: 2.5 - 4.2 msec
ENG. RPM: 1,800 - 3,000

End

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Altima (FED) A/T
Pre-check

- 1
  - Idle 1.5 minutes

- 2
  - Drive 3 minutes

- 3
  - Drive 1.5 minutes

- 4
  - Drive at 65 - 75 MPH
  - Selector lever: "4th"
  - B/F SCHDL: 1.5 - 1.7 msec
  - ENG. RPM: 2,000 - 2,600

- 5
  - Cruise at 50 - 65 MPH
  - Selector lever: "4th"
  - B/F SCHDL: 2.5 - 4.2 msec
  - ENG. RPM: 2,000 - 2,600

- 6
  - Drive 3 minutes

- 7
  - Idle 1 minute

Engine coolant temperature must be below 32°C (89°F) before starting engine.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.

Selector lever: "4th"

Engine coolant temperature must be below 32°C (89°F) before starting engine.

Steady state cruise at 55 - 75 MPH

Use ASCD or hold accelerator to keep road speed as steady as possible.

Selector lever: "5th"

Downshift then fully release accelerator, then idle 1 minute in neutral or park.
System Readiness Test Drive Pattern #4

ECM Part Numbers: 23710-5E501, -5E502, -5E503, -5E504

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ignition off and allow engine to cool to 158°F.
2nd Trip: Drive sections 1 through 6 again.

Pre-check

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>IGN switch &quot;OFF&quot; 10 seconds</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 130°C (273°F) before starting engine.

Start engine and idle at least 1.5 minutes.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.

B/F SCHDL: 1.6 - 1.7 msec
Selector lever: "4th"
ENG. RPM: 1,600 - 2,000
AC switch: ON

Drive at 65 - 75 MPH
Selector lever: "5th"
B/F SCHDL: 2.5 - 4.2 msec
ENG. RPM: 1,600 - 2,000

Cruise at 55 - 75 MPH
Selector lever: "5th"
Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

Steady state cruise at: 55 - 80 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "5th"
B/F SCHDL: More than 1.5 msec
ENG. RPM: 2,100 - 2,200
AC switch: ON

'96 Altima (CAL) M/T
System Readiness Test Drive Pattern #5

ECM Part Numbers: 23710-5E510

One Trip Logic for all sections. Drive all sections one time.

Pre-check

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Idle 1.5 minutes</td>
</tr>
<tr>
<td>2*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>3*</td>
<td>Drive 1.5 minutes</td>
</tr>
<tr>
<td>4</td>
<td>Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.</td>
</tr>
<tr>
<td>5*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>6*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>7*</td>
<td>Downshift then decel. Idle 1 minute</td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 32°C (90°F) before starting engine.

Engine compartment warm-up

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Start engine and idle at least 1.5 minutes.</td>
</tr>
<tr>
<td>2*</td>
<td>Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 2.0 - 2.2 msec. Selector lever: &quot;D&quot; (OD ON) ENG. RPM: 1,200 - 1,400. A/C switch: ON</td>
</tr>
<tr>
<td>3*</td>
<td>Drive at 55 - 75 MPH. Selector lever: &quot;D&quot; (OD ON) B/F SCHDL: 2.5 - 4.2 msec. ENG. RPM: 1,800 - 2,800</td>
</tr>
</tbody>
</table>

Catalyst

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Cruise at 50 - 60 MPH. Selector lever: &quot;D&quot; (OD OFF). Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary. Do not decelerate for more than 3 consecutive seconds.</td>
</tr>
<tr>
<td>5*</td>
<td>Steady state cruise at: 53 - 55 MPH. Use ASCD or hold accelerator to keep road speed as steady as possible. Selector lever: &quot;D&quot; (OD ON) B/F SCHDL: More than 1.8 msec. ENG. RPM: 1,800 - 2,000. A/C switch: ON</td>
</tr>
</tbody>
</table>

O2 Sensor

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6*</td>
<td>Downshift then completely release accelerator more than 5 seconds without braking, then idle 1 minute in neutral or park.</td>
</tr>
</tbody>
</table>

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Altima (CAL) A/T
Pattern #6: '96 Altima (CAL) A/T

ECM Part Numbers: 23710-5E511, -5E512, -5E513, -5E514

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ign. off and allow engine to cool to 158°F.
2nd Trip: Drive sections 1 through 6 again.

Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>IGN switch &quot;OFF&quot; 10 seconds (Not more than 5 minutes)</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70°C (158°F) before starting engine.

Start engine and idle at least 1.5 minutes.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
B/F SCHDL: 2.0 - 2.2 msec
Selector lever: "D" (OD ON)
ENG. RPM: 1,000 - 1,400
AC switch: ON

Drive at 55 - 75 MPH
Selector lever: "D" (OD ON)
B/F SCHDL: 2.5 - 4.2 msec
ENG. RPM: 1,800 - 2,800

Cruise at 50 - 60 MPH
Selector lever: "D" (OD OFF)
Keep engine speed above 3,000 RPM. Allow road speed to vary as necessary.
Do not decelerate for more than 3 consecutive seconds.

Steady state cruise at: 50 - 55 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "D" (OD ON)
B/F SCHDL: More than 1.8 msec
ENG. RPM: 1,600 - 2,000
AC switch: ON

System Readiness Test Drive Pattern #6
Pattern #7: '97 Altima M/T

ECM Part Numbers: 23710-5E700, -5E701, -5E702, -5E703, -5E704, -5E705, -5E720, -5E721, -5E722, -5E723, -5E724, -5E725

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ign. off and allow engine to cool to 158 °F.
2nd Trip: Drive sections 1 through 6 again.

Pre-check

<table>
<thead>
<tr>
<th>Step</th>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Drive 3 minutes</td>
<td></td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>IGN switch &quot;OFF&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70 °C (158 °F) before starting engine.

Steady state cruise at:
53 - 58 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Do not decelerate for more than 3 consecutive seconds.

Steady state cruise at:
80 - 90 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.

ASCD
Drive at 55 - 75 MPH
Selector lever: "5th"
B/F SCHDL: 2.5 - 4.2 msec
ENG. RPM: 1,800 - 2,800

Start engine and idle at least 1.5 minutes.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
Selector lever: "4th"
ENG. RPM: 1,500 - 2,000
AC switch: ON

Drive at 65 - 75 MPH
Selector lever: "5th"
B/F SCHDL: 1.5 - 2.5 msec
ENG. RPM: 1,600 - 2,000

Cruise at 60 - 65 MPH
Selector lever: "4th"
Keep engine speed above 3,000 RPM
Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

Cruise at 90 - 95 MPH
Selector lever: "5th"
B/F SCHDL: More than 1.5 msec
ENG. RPM: 2,000 - 2,300
AC switch: ON

'97 Altima M/T
Pattern #8: '97 Altima A/T

ECM Part Numbers: 22710-5E710, -5E711, -5E712, -5E713, -5E714, -5E715, -5E760, -5E761, -5E762, -5E763, -5E764, -5E765

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ign. off and allow engine to cool to 158˚F.
2nd Trip: Drive sections 1 through 6 again.

Pre-check

<table>
<thead>
<tr>
<th>Pre-check</th>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>IGN switch &quot;OFF&quot; 10 seconds (Not more than 5 minutes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70°C (158°F) before starting engine.

1st Trip:
- Drive 1 through 6, then turn ign. off and allow engine to cool to 158˚F.

2nd Trip:
- Drive sections 1 through 6 again.

Engine coolant temperature must be below 70°C (158°F) before starting engine.

Steady state cruise at:
- 50 - 60 MPH
  - Selector lever: "D" (OD OFF)
  - Keep engine speed above 3,000 RPM
  - Allow road speed to vary if necessary.
  - Do not decelerate for more than 3 consecutive seconds.

Cruise at:
- 50 - 60 MPH
  - Selector lever: "D" (OD OFF)
  - Keep engine speed above 3,000 RPM
  - Allow road speed to vary if necessary.
  - Do not decelerate for more than 3 consecutive seconds.

ASCD
- Drive at 55 - 75 MPH
  - Selector lever: "D" (OD ON)
  - B/F SCHDL: 2.5 - 4.2 msec
  - ENG. RPM: 1,800 - 2,800

System Readiness Test Drive Pattern #8
System Readiness Test Drive Pattern #9

ECM Part Numbers: 23710-SEB00, -SEB01, -SEB02, -SEB03, -SEB04, -SEB10, -SEB11, -SEB12, -SEB13, -SEB14, -SEB60, -SEB70

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ign. off and allow engine to cool to 158˚ F.
2nd Trip: Drive sections 1 through 6 again.

Pre-check

<table>
<thead>
<tr>
<th>C2 Sensor Heater</th>
<th>EGR</th>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>IGN switch &quot;OFF&quot; 10 seconds (Not more than 5 minutes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70˚C (158˚ F) before starting engine.

Steady state cruise at:

50 - 60 MPH
Selector lever: "5th"
Keep engine speed above 3,000 RPM.
Do not decelerate for more than 3 consecutive seconds.

ASCD
Drive at 50 - 60 MPH
Selector lever: "4th"
Keep engine speed above 3,000 RPM.
Allow road speed to vary if necessary.

'97.5 Altima M/T
ECM Part Numbers: 23710-5E805, -5E806, -5E807, -5E808, -5E809, -5E815, -5E816, -5E817, -5E818, -5E819, -5E865, -5E875

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ign. off and allow engine to cool to 158°F.
2nd Trip: Drive sections 1 through 6 again.

**Pre-check**

<table>
<thead>
<tr>
<th></th>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ign switch &quot;OFF&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 seconds</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>(Not more than 5 minutes)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70°C (158°F) before starting engine.

Start engine and idle at least 1.5 minutes.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.

B/F SCHDL: 2.0 - 2.2 msec
Selector lever: "D" (OD ON)
ENG. RPM: 1,200 - 1,400
A/C switch: ON

Drive at 65 - 75 MPH
Selector lever: "D" (OD ON)
B/F SCHDL: 2.5 - 4.2 msec
ENG. RPM: 1,800 - 2,000

Cruise at 50 - 65 MPH
Selector lever: "D" (OD OFF)
Keep engine speed above 3,000 RPM
Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

Steady state cruise at: 53 - 55 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "D" (OD OFF)
B/F SCHDL: More than 1.8 sec
ENG. RPM: 1,800 - 2,000
A/C switch: ON

'97.5 Altima A/T
**System Readiness Test Drive Pattern #11**

**ECM Part Numbers:** 23710-54U00, -54U01, -54U02, -54U03, -54U04, -54U05, -54U06, -56U00, -56U01, -56U02, -56U03, -56U64, -56U66

**Two Trip Logic:**
- **First Trip:** Drive all sections 1 through 9.
- **Second Trip:** Turn ign. off. Add 4 gallons fuel. Start engine and drive sections 4, 5, 6, 7, 8, 9.

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

---

**Pre-check**

<table>
<thead>
<tr>
<th>Section</th>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>ENGINE COMPARTMENT WARMUP</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2*</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3*</td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5*</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6*</td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7*</td>
<td>Downshift then decel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8*</td>
<td>Drive 2 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9*</td>
<td>Drive 2 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engine coolant temperature must be below 70˚C (158˚F) before starting engine for either the first or second trip.**

**1st Trip:**
- Allow engine to idle for 10 minutes then cycle ignition key off for 10 seconds. Restart engine and immediately begin next drive pattern section.
- Cruise at 50 - 65 MPH
- Selector lever: "5th"
- ENG. RPM: 1,000 - 1,400
- A/C switch: ON

**2nd Trip:**
- Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 1.8 - 3.0 msec
- Selector lever: "5th"
- ENG. RPM: 1,600 - 2,400
- A/C switch: ON

**2nd Trip:**
- Start engine, idle 1.5 minutes.
- Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 2.3 - 3.7 msec
- Selector lever: "5th"
- ENG. RPM: 1,600 - 2,400
- A/C switch: ON

**3rd Trip:**
- Cruise at 50 - 60 MPH
- Selector lever: "5th"
- ENG. RPM: Approx. 3,000 RPM
- A/C switch: OFF

**4th Trip:**
- Drive sections 4, 5, 6, 7, 8, 9.
- Cruise at 50 - 65 MPH
- Selector lever: "5th"
- ENG. RPM: Approx. 3,000 RPM
- A/C switch: OFF

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**'96 Maxima M/T**
NOTE: It is better to perform this driving test when fuel level is less than 1/2. If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
System Readiness Test Drive Pattern #13

ECM Part Numbers: 23710-0L700, -0L701, -0L702, -0L707, -0L708, -0L709, -0L761, -0L762, -0L767, -0L768, -0L769

All Items: Two Trip Logic. Drive all sections two times.
First Trip: Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70°C (158°F).
Second Trip: Start engine, drive sections 1,2,3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor</th>
<th>EGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 1.5 minutes</td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70°C (158°F) before starting engine for either the first or second trip.

NOTE: It is better to perform this driving test when fuel level is less than 1/2.
If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'97 Maxima M/T
Pattern #14; '97 Maxima A/T

NOTE: It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

Engine coolant temperature must be below 70°C (158°F) before starting engine for either the first or second trip.

Pre-check: Key off then repeat 1 - 8. 2nd trip: End.

ECM Part Numbers: 23710-0L710, -0L711, -0L712, -0L717, -0L718, -0L719, -0L720, -0L770, -0L771, -0L772, -0L777, -0L778, -0L779
System Readiness Test Drive Pattern #15

Pattern #15: '96 Pathfinder M/T

ECM Part Numbers: 23710-0W000, -0W005, -0W060, -0W061, -0W063

One Trip Logic for all sections.
Drive all sections one time.

Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ENGINE COMPARTMENT WARM-UP

<table>
<thead>
<tr>
<th>1*</th>
<th>2*</th>
<th>3*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
</tr>
</tbody>
</table>

Allow engine to idle for at least 10 minutes.
Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.

CATALYST

<table>
<thead>
<tr>
<th>5*</th>
<th>6*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

Cruise at 50 - 60 MPH
Selector lever: "4th"
Keep engine speed above 3,000 RPM
Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

Engine coolant temperature must be below 32°C (95°F) before starting engine.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
Pattern #16, '96 Pathfinder A/T

ECM Part Numbers: 23710-0W010, -0W015, -0W065, -0W066, -0W067, -0W069

One Trip Logic for all sections.
Drive all sections one time.

**Pre-check**

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>ENGINE COMPARTMENT WARM-UP</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2*</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>3*</td>
<td></td>
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</tr>
<tr>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

- Steady state cruise at: 53 - 58 MPH
  - Selector lever: "D" (OD OFF)
  - Keep engine speed above 3,000 RPM.
  - Allow road speed to vary if necessary.
  - Do not decelerate for more than 3 consecutive seconds.

- Cruise at 50 - 60 MPH
  - Selector lever: "D" (OD OFF)
  - Keep engine speed above 3,000 RPM.
  - Allow road speed to vary if necessary.
  - Do not decelerate for more than 3 consecutive seconds.

- Start engine and idle at least 1.5 minutes.

- Engine coolant temperature must be below 32°C (95°F) before starting engine.

- Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
  - B/F SCHDL: 2.6 - 3.5 msec
  - Selector lever: "D" (OD ON)
  - ENG. RPM: 1,500 - 1,800
  - A/C switch: ON

- Drive at 44 - 63 MPH
  - Selector lever: "D" (OD ON)
  - B/F SCHDL: 2.5 - 4.5 msec
  - ENG. RPM: 1,600 - 2,400
  - Engine coolant temperature must be below 32°C (95°F) before starting engine.
System Readiness Test Drive Pattern #17

ECM Part Numbers: 23710-1W200, -1W201, -1W202, -1W203, -1W204, -1W205, -1W262

All Items: Two Trip Logic. Drive all sections two times.

First Trip: Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70°C. (158°F).

Second Trip: Start engine, drive sections 1, 2, 3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70°C (160°F) before starting engine for either the first or second trip.

First Trip:
- IGN switch "OFF" 10 seconds (Not more than 5 minutes)
- Cruise at 40 - 59 MPH
- Selector lever: "5th"
- ENG. RPM: 1,600 - 2,000
- A/C switch: ON
- Hold recommended B/F SCHDL: range. Allow road speed to vary as necessary.
- B/F SCHDL: 2.5 - 3.0 msec
- Selector lever: "5th"
- ENG. RPM: 1,600 - 2,000
- Idle 1.5 minutes

Second Trip:
- Turn ign. off, Add 4 gallons of fuel.
- Drive 1.5 minutes
- Cruise at 60 - 60 MPH
- Selector lever: "5th"
- ENG. RPM: 1,600 - 2,000
- A/C switch: ON

1st Trip:
- Key off then repeat 1 - 8.

NOTE: It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2, more time may be required to complete EVAP sections of the drive pattern. Also, you may be unable to add fuel as required.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'97 Pathfinder M/T
System Readiness Test Drive Pattern #18

ECM Part Numbers: 23710-1W205, -1W206, -1W207, -1W208, -1W209, -1W265, -1W266, -1W268

All Items: Two Trip Logic. Drive all sections two times.
First Trip: Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70˚C (158˚F).
Second Trip: Start engine, drive sections 1,2,3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5-8.

NOTE: It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
Pattern #19; '96 Quest A/T

ECM Part Numbers: 23710-1B000, -1B001, -1B002

One Trip Logic for all sections.
Drive all sections one time.

Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>ENGINE COMPARTMENT WARM-UP</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2* Drive 3 minutes

3* Drive 1.5 minutes

4

Allow engine to idle for at least 10 minutes.
Then cycle ignition switch OFF for 10 seconds.
Restart engine immediately and begin next drive pattern section.

Hold recommended B/F SCHDL range.
Allow road speed to vary as necessary.
B/F SCHDL: 3.2 - 3.6 msec
Selector lever: "D" (OD ON)
ENG. RPM: 1,600 - 1,800
A/C switch: ON

Drive at 95 - 75 MPH
Selector lever: "D" (OD ON)
B/F SCHDL: 2.5 - 4.0 msec
ENG. RPM: 1,600 - 2,000

Catalyst

5*

Drive 3 minutes

6*

Drive 3 minutes

Engine coolant temperature must be below 32˚C (95˚F) before starting engine.

Start engine and idle at least 1.5 minutes.

Cruise at 50 - 60 MPH
Selector lever: "D" (OD OFF)
Keep engine speed above 3,000 RPM.
Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

ASCD

Drive at 55 - 75 MPH
Selector lever: "D" (OD OFF)
B/F SCHDL: 2.5 - 4.0 msec
ENG. RPM: 1,600 - 2,000
A/C switch: ON

Steady state cruise at: 80 - 90 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "D" (OD OFF)
B/F SCHDL: More than 2.0 msec
ENG. RPM: 1,600 - 2,000
A/C switch: ON

End

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Quest A/T
System Readiness Test Drive Pattern #20

ECM Part Numbers: 23710-1B010, -1B011, -1B012, -1B013, -1B014

Two Trip Logic (all sections)
1st Trip: Drive 1 through 6, then turn ign. off and allow engine to cool to 158°F.
2nd Trip: Drive sections 1 through 6 again.

Pre-check

1. Idle 1.5 minutes
   - Engine coolant temperature must be below 70°C (158°F) before starting engine.
2. Drive 3 minutes
   - Start engine and idle at least 1.5 minutes.
3. Drive 1.5 minutes
   - Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
   - B/F SCHDL: 3.2 - 3.4 msec
   - Selector lever: "D" (OD ON)
   - ENG. RPM: 1,600 - 1,800
   - AC switch: ON
4. Drive 3 minutes
   - Drive at 95 - 75 MPH
   - Selector lever: "D" (OD ON)
   - ENG. RPM: 1,600 - 2,000
   - A/C switch: ON
5. Drive 3 minutes
   - Cruise at 55 - 65 MPH
   - Selector lever: "D" (OD OFF)
   - Keep engine speed above 3,000 RPM.
   - Allow road speed to vary if necessary.
   - Do not decelerate for more than 3 consecutive seconds.
6. Drive 3 minutes
   - Steady state cruise at: 55 - 65 MPH
   - Use ASCD or hold accelerator to keep road speed as steady as possible.
   - Selector lever: "D" (OD ON)
   - B/F SCHDL: More than 2.0 msec
   - ENG. RPM: 1,800 - 2,000
   - AC switch: ON

'97 Quest A/T
System Readiness Test Drive Pattern #21

ECM Part Numbers: 23710-0M220, -0M221, -0M224, -0M262, -0M263, -0M269, -0M270, -0M271, -0M272, -0M273, -0M274, -1M214, -1M217, 1M222, -1M565, -1M566

One Trip Logic for all sections. Drive all sections one time.

<table>
<thead>
<tr>
<th>Pre-check</th>
<th>EGR</th>
<th>ENGINE COMPARTMENT</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td></td>
<td>Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 1.8 -2.0 msec. Selector lever: &quot;4th&quot; ENG. RPM: 2,000 - 2,700 A/C switch: ON.</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td></td>
<td>Drive at 65 - 70 MPH. Selector lever: &quot;5th&quot;</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td></td>
<td>Engine coolant temperature must be below 70˚C (158˚F) before starting engine.</td>
<td>Drive 3 minutes</td>
<td>Downshift then decel.</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td></td>
<td>Cruise at 50 - 60 MPH. Selector lever: &quot;4th&quot;</td>
<td>Drive 3 minutes</td>
<td>Steady state cruise at: 60 - 65 MPH. Use ASCD or hold accelerator to keep road speed as steady as possible. Selector lever: &quot;5th&quot;</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td></td>
<td>Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary. Do not decelerate for more than 3 consecutive seconds.</td>
<td>Drive 3 minutes</td>
<td>Downshift then completely release accelerator more than 5 seconds without braking, then idle 1 minute in neutral or park.</td>
</tr>
</tbody>
</table>

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Sentra/200SX (GA16DE) M/T
System Readiness Test Drive Pattern #22

One Trip Logic for all sections. Drive all sections one time.

1* Start engine and idle at least 1.5 minutes.
Engine coolant temperature must be below 70°C (158°F) before starting engine.

2* Drive 3 minutes
Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
B/F SCHDL: 1.8 - 2.0 msec
Selector lever: "4th"
ENG. RPM: 2,500 - 2,700
A/C switch: ON

3* Drive 1.5 minutes
Drive at 55 - 70 MPH
Selector lever: "5th"
ENG. RPM: 2,500 - 3,000

4
Allow engine to idle for at least 10 minutes.
Then cycle ignition switch OFF for 10 seconds. Restart engine immediately begin next drive pattern section.

5*
Cruise at 50 - 60 MPH
Selector lever: "5th"
Knop engine speed above 3,000 RPM. Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.
B/F SCHDL: More than 1.8 msec
ENG. RPM: 3,000 - 3,300
A/C switch: ON

6*
Steady state cruise at: 53 - 58 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "5th"
B/F SCHDL: More than 1.8 msec
ENG. RPM: 2,900 - 3,400
A/C switch: ON

7* Downshift then decel. Idle for more than 5 seconds without braking, then idle 1 minute in neutral or park.

End

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Sentra/200SX (GA16DE) M/T
One Trip Logic for all sections.
Drive all sections one time.

Start engine and idle at least 1.5 minutes.

Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.

Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.

Selector lever: "D" (OD ON)
ENG. RPM: 1,700 - 1,900
A/C switch: ON

Selector lever: "D" (OD ON)
ENG. RPM: 2,000 - 2,300
A/C switch: ON

Cruise at 65 - 75 MPH
Selector lever: "D" (OD ON)
ENG. RPM: 2,000 - 3,000

Cruise at 60 - 60 MPH
Selector lever: "D" (OD OFF)
ENG. RPM: 2,000 - 3,000

Steady state cruise at: 80 - 90 MPH

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

Engine coolant temperature must be below 70°C (158°F) before starting engine.

End
NOTE: It is better to perform this driving test when fuel level is less than 1/2.
If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'97 Sentra/200SX (GA16DE) M/T

Pattern #24: '97 Sentra/200SX (GA16DE) M/T
NOTE: It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
Pre-check

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Idle 1.5 minutes</td>
</tr>
<tr>
<td>2*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>3*</td>
<td>Drive 1.5 minutes</td>
</tr>
<tr>
<td>4</td>
<td>Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.</td>
</tr>
<tr>
<td>5*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>6*</td>
<td>Drive 3 minutes</td>
</tr>
<tr>
<td>7*</td>
<td>Downshift then decel. Idle 1 minute</td>
</tr>
</tbody>
</table>

**ENGINE COMPARTMENT WARM-UP**

- Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
- B/F SCHDL: 1.5 - 4.7 msec
- Selector lever: "5th"
- ENG. RPM: 1,500 - 2,000
- AC switch: ON

**CATALYST**

- Cruise at 50 - 52 MPH
- Selector lever: "4th"
- Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary.
- Do not decelerate for more than 3 consecutive seconds.

**O2 SENSOR**

- Steady state cruise at 55 - 58 MPH
- Use ASCD or hold accelerator to keep road speed as steady as possible.
- Selector lever: "5th"
- B/F SCHDL: More than 1.6 msec
- ENG. RPM: 2,500 - 2,700
- AC switch: ON

**System Readiness Test Drive Pattern #26**

ECM Part Numbers: 23710-1M860, 1M861, -1M870, -1M871, -1M872

One Trip Logic for all sections. Drive all sections one time.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

Engine coolant temperature must be below 70˚C (158˚F) before starting engine.

Start engine and idle at least 1.5 minutes.
System Readiness Test Drive Pattern #27

ECM Part Numbers: 23710-1M865, -1M866, -1M875, -1M876, -1M877

One Trip Logic for all sections.

Engine coolant temperature must be below 70°C (158°F) before starting engine.

Pre-check

<table>
<thead>
<tr>
<th>Section</th>
<th>Pre-check</th>
<th>Engine COMPARTMENT WARMUP</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Idle 1.5 minutes</td>
<td>Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 2.3 - 2.5 msec. Selector lever: &quot;D&quot; (OD ON). \n</td>
<td>ENG. RPM: 1,300 - 1,500. A/C switch: ON.</td>
<td>Drive at 60 - 70 MPH. Selector lever: &quot;D&quot; (OD ON). B/F SCHDL: 2.0 - 3.5 msec. ENG. RPM: 1,600 - 2,000.</td>
</tr>
<tr>
<td>2*</td>
<td>Drive 3 minutes</td>
<td>Cruise at 50 - 60 MPH. Selector lever: &quot;D&quot; (OD OFF). Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary. Do not decelerate for more than 3 consecutive seconds.</td>
<td>Cruise at 55 - 65 MPH. Use ASCD or hold accelerator to keep road speed as steady as possible.</td>
<td>Cruise at 50 - 65 MPH. Selector lever: &quot;D&quot; (OD ON). B/F SCHDL: More than 1.4 msec. ENG. RPM: 2,100 - 2,300. A/C switch: ON.</td>
</tr>
<tr>
<td>3*</td>
<td>Drive 1.5 minutes</td>
<td>Cruise at 50 - 60 MPH. Selector lever: &quot;D&quot; (OD OFF). Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary. Do not decelerate for more than 3 consecutive seconds.</td>
<td>Cruise at 55 - 65 MPH. Use ASCD or hold accelerator to keep road speed as steady as possible.</td>
<td>Cruise at 50 - 65 MPH. Selector lever: &quot;D&quot; (OD ON). B/F SCHDL: More than 1.4 msec. ENG. RPM: 2,100 - 2,300. A/C switch: ON.</td>
</tr>
</tbody>
</table>

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96-'97 200SX (SR20DE) A/T
System Readiness Test Drive Pattern #28

ECM Part Numbers: 23710-1S700, -1S701, -1S702, -1S703

One Trip Logic for all sections. Drive all section one time.

**Pre-check**

- **O2 Sensor**
  - Heater

- **EGR SYSTEM**

- **ENGINE COMPARTMENT WARM-UP**
  - 1*
    - Drive 1.5 minutes
  - 2*
    - Drive 3 minutes
  - 3*
    - Drive 1.5 minutes

- **CATALYST**

- **O2 SENSOR**

- **EVAP SYSTEM**

**Engine coolant temperature must be below 70˚C (158˚F) before starting engine.**

- Start engine, idle at least 1.5 minutes.

- Hold recommended B/F SCHDL range. Allow road speed to vary as necessary.
  - B/F SCHDL: 1.5 - 2.0 msec
  - Selector lever: "4th"
  - ENG. RPM: 1,800 - 2,000
  - A/C switch: ON

- Drive at 50 - 60 MPH
- Cruise at 60 - 60 MPH
  - Selector lever: "4th"
  - Keep engine speed over 3,000 RPM. Allow road speed to vary if necessary.
  - Do not decelerate for more than 3 consecutive seconds.

- Steady state cruise at 50 - 55 MPH
- Use ASCD or hold accelerator to keep road speed as steady as possible.
- B/F SCHDL: More than 1.6 msec
  - Selector lever: "5th"
  - ENG. RPM: 1,800 - 3,000

- Drive 2 minutes
- Drive 2 minutes
- Idle 1 minute
- Drive 2 minutes

**NOTE:**

- It is better to perform this driving test when fuel level is less than 1/2.
- If fuel level is greater than 1/2, more time may be required to complete EVAP sections of the drive pattern.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Truck (2WD) M/T
**System Readiness Test Drive Pattern #29**

**ECM Part Numbers:** 23710-1S300, -1S301, -1S306, -1S307, -1S504, -1S506, -1S508, -1S509, -1S517, -1S518, -1S520, -1S521, -1S522, -1S523, -1S524

**All Items:** Two Trip Logic. Drive all sections two times.

**First Trip:** Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70°C (158°F).

**Second Trip:** Start engine, drive sections 1, 2, 3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

---

### Pre-check

<table>
<thead>
<tr>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>Test Trip: IGN switch “OFF” 10 seconds (Not more than 5 minutes)</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 2 minutes</td>
<td>Drive 2 minutes</td>
</tr>
</tbody>
</table>

Note: Engine coolant temperature must be below 70°C (158°F) before starting engine for either the first or second trip.

Start engine, idle at least 1.5 minutes.

Hold recommended B/F SCHDL: range. Allow road speed to vary as necessary.

B/F SCHDL: 1.5 - 3.2 msec

Selector lever: "1st" or "5th"

ENG. RPM: 1,800 - 2,200

A/C switch: ON

Drive at: 55 - 65 MPH

1st Trip: IGN switch "OFF" 10 seconds (Not more than 5 minutes).

2nd Trip: Turn ign. off, Add 4 gallons of fuel.

3rd Trip: Cruise at 52 - 60 MPH

Selector lever: "4th"

Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary.

Do not decelerate for more than 3 consecutive seconds.

Steady state cruise at 53 - 56 MPH

Selector lever: "5th"

ENG. RPM: Approx. 3,000 RPM

A/C switch: OFF

Selector lever: "3rd"

B/F SCHDL: Less than 2.0 msec

Selector lever: "5th"

ENG. RPM: 2,300 - 2,500

A/C switch: OFF

Selector lever: "4th"

B/F SCHDL: More than 1.5 msec

Selector lever: "5th"

ENG. RPM: 1,800 - 3,000

Steady state cruise at 31 - 44 MPH

Selector lever: "4th"

A/C switch: OFF

Hold the accelerator pedal as steady as possible. Allow speed to change if necessary.

---

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

*Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.*
System Readiness Test Drive Pattern #30

ECM Part Numbers: 23710-1S710, -1S712

One Trip Logic for all sections.
Drive all section one time.

Pre-check

<table>
<thead>
<tr>
<th>1*</th>
<th>2*</th>
<th>3*</th>
<th>4</th>
<th>5*</th>
<th>6*</th>
<th>7*</th>
<th>8*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>Allow engine to idle for at least 10 minutes then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 2 minutes</td>
<td>Idle 1 minute</td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70˚C (158˚F) before starting engine.

NOTE: It is better to perform this driving test when fuel level is less than 1/2.
If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Truck (2WD) A/T
Pattern #31: '96 Truck (2WD) A/T

ECM Part Numbers: 23710-1S302, -1S303, -1S306, -1S713, -1S714, -1S716, -1S768, -1S770, -1S771, -1S772, -1S781, -1S782

All Items: Two Trip Logic. Drive all sections two times.
First Trip: Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70˚C (158˚F).
Second Trip: Start engine, drive sections 1,2,3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

NOTE: It is better to perform this driving test when fuel level is less than 1/2.

Start engine and idle at least 1.5 minutes. Drive sections 1 through 8. Move selector lever to "D" (OD ON) and drive at approx. 3,000 RPM. Allow engine speed to vary if necessary. Do not decelerate for more than 3 consecutive seconds.

Engine coolant temperature must be below 70˚C (158˚F) before starting engine for either the first or second trip.

ECM Part Numbers:

Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
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<td>3</td>
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<td>6</td>
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<tr>
<td>7*</td>
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</tr>
<tr>
<td>8*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engine coolant temperature must be below 70˚C (158˚F) before starting engine for either the first or second trip.

NOTE: It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
**System Readiness Test Drive Pattern #32**

**ECM Part Numbers:** 23710-1S300, -1S301, -1S306, -1S307, -1S704, -1S706, -1S708, -1S709, -1S717, -1S719, -1S720, -1S721, -1S722, -1S723, -1S724

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2. If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

<table>
<thead>
<tr>
<th>Pre-check</th>
<th>O2 Sensor</th>
<th>EGR</th>
<th>KEY &quot;OFF&quot;</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Hold recommended B/F SCHDL: range. Allow road speed to vary as necessary. B/F SCHDL: 1.5 - 3.2msec. Selector lever: &quot;4th&quot; or &quot;5th&quot;. ENG. RPM: 1,800 - 3,000. AC switch: ON.</td>
<td></td>
<td></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Start engine, idle at least 1.5 minutes.</td>
<td>Hold recommended B/F SCHDL: range. Allow road speed to vary as necessary. B/F SCHDL: 1.5 - 3.2msec. Selector lever: &quot;4th&quot; or &quot;5th&quot;. ENG. RPM: 1,800 - 3,000. AC switch: ON.</td>
<td></td>
<td></td>
<td>Drive 3 minutes</td>
<td></td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>Drive at 55 - 65 MPH</td>
<td></td>
<td>Cruise at 60 - 60 MPH</td>
<td>Steady state cruise at 60 - 60 MPH</td>
<td>Downshift then decel.</td>
<td>Drive 2 minutes</td>
</tr>
<tr>
<td></td>
<td>(Not more than 5 minutes)</td>
<td></td>
<td>Selector lever: &quot;4th&quot;</td>
<td>Use ASCD or hold accelerator to keep road speed as steady as possible. B/F SCHDL: Less than 2.0msec. Selector lever: &quot;4th&quot;. ENG. RPM: 1,800 - 3,000. AC switch: ON.</td>
<td>Idle 1 minute</td>
<td>Idle 1 minute</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td>1st Trip: IGN switch &quot;OFF&quot; 10 seconds (Not more than 5 minutes)</td>
<td></td>
<td>Cruise at 40 - 50 MPH</td>
<td>Steady state cruise at 53 - 60 MPH</td>
<td>Idle 1 minute</td>
<td>Drive 2 minutes</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>2nd Trip: Turn ign. on, Add 4 gallons of fuel.</td>
<td></td>
<td>Keep engine speed above 3,000 RPM.</td>
<td>Do not decelerate for more than 3 consecutive seconds.</td>
<td>Selector lever: &quot;4th&quot;</td>
<td>Idle 1 minute</td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>Steady state cruise at 31 - 44 MPH</td>
<td></td>
<td>ENG RPM: Approx. 3,000 RPM</td>
<td>Do not completely release accelerator more than 5 seconds without braking, then idle 1 minute.</td>
<td>Selector lever: &quot;4th&quot;</td>
<td>Drive 2 minutes</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>Do not completely release accelerator. A/C switch: OFF.</td>
<td></td>
<td>ENG RPM: 2,300 - 2,500</td>
<td>Hold the accelerator pedal as steady as possible. Allow speed to change if necessary.</td>
<td>A/C switch: OFF</td>
<td>Drive 2 minutes</td>
</tr>
</tbody>
</table>

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2. If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'97 Truck (2WD) M/T
NOTE: It is better to perform this driving test when fuel level is less than 1/2.
If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
System Readiness Test Drive Pattern #34

**ECM Part Numbers:** 23710-1S760, -1S761, -1S762, -1S763

**One Trip Logic for all sections. Drive all section one time.**

<table>
<thead>
<tr>
<th>Pre-check</th>
<th>O2 Sensor Heater</th>
<th>EGR System</th>
<th>Engine Compartment Warm-Up</th>
<th>Catalyst</th>
<th>O2 Sensor</th>
<th>EVAP System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>Drive 1.5 minutes</td>
<td>Allow engine to idle for at least 10 minutes then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.</td>
<td>Cruise at 50 - 60 MPH&lt;br&gt;Selector lever: &quot;3rd&quot;&lt;br&gt;Keep engine speed over 3,000 RPM. Allow road speed to vary if necessary.&lt;br&gt;Do not decelerate for more than 3 consecutive seconds.</td>
<td>Steady state cruise at 53 - 58 MPH&lt;br&gt;Selector lever: &quot;3rd&quot;&lt;br&gt;Keep engine speed over 3,000 RPM. Allow road speed to vary if necessary.&lt;br&gt;Do not decelerate for more than 3 consecutive seconds.</td>
<td>Steady state cruise at 53 - 58 MPH&lt;br&gt;Use ACCO or hold accelerators to keep road speed as steady as possible.&lt;br&gt;B/F SCHDL: Less than 2.0 msec&lt;br&gt;Selector lever: &quot;3rd&quot;&lt;br&gt;Keep engine speed over 3,000 RPM. Allow road speed to vary if necessary.&lt;br&gt;Do not completely release accelerator.&lt;br&gt;A/C switch: ON</td>
<td>Steady state cruise at 53 - 58 MPH&lt;br&gt;A/C switch: ON&lt;br&gt;ASCD may be used</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>Drive 3 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>Drive 2 minutes</td>
<td>Idle 1 minute</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>Drive 2 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2. If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern.

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 Truck (4WD) M/T
**ECM Part Numbers:** 23710-1S301, -1S305, -1S309, -1S310, -1S764, -1S766, -1S769, -1S774, -1S775, -1S776, -1S777, -1S778, -1S779, -1S780, -1S783, -1S784

**First Trip:** Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70°C (158°F).

**Second Trip:** Start engine, drive sections 1, 2, 3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

---

**Pre-check**

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7*</th>
<th>8*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>1st Trip: IGN switch &quot;OFF&quot; 10 seconds (not more than 5 minutes)</td>
<td>Drive 3 minutes</td>
<td>Drive 3 minutes</td>
<td>Downshift then decel.</td>
<td>Idle 1 minute</td>
</tr>
</tbody>
</table>
|Hold recommended B/F SCHDL: range. Allow road speed to vary as necessary. B/F SCHDL: 1.5 - 2.0 msec Selector lever: “3rd” ENG. RPM: 1,800 - 2,300 A/C switch: ON Drive at: 55 - 65 MPH B/F SCHDL: 2.0 - 3.2 msec Selector lever: “5th” ENG. RPM: 2,300 - 3,000 Cruise at 55 - 60 MPH Selector lever: “4th” Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary Do not decelerate more than 3 consecutive seconds. Steady state cruise at 55 - 60 MPH Use ASCD or hold accelerator to keep road speed as steady as possible. B/F SCHDL: More than 1.8 msec Selector lever: “5th” ENG. RPM: 2,400 - 2,500 A/C switch: OFF Idle 1 minute in Park or Neutral. Steady state cruise at 31 - 44 MPH Selector lever: “4th” B/F SCHDL: Less than 2.0 msec Accelerate to 44 MPH Deccelerate to 31 MPH Accelerate to 44 MPH Do not completely release accelerator. A/C switch: OFF Idle 1 minute Steady state cruise at 53 - 58 MPH Selector lever: “3rd” B/F SCHDL: More than 2.0 msec ENG RPM: Approx. 3,000 RPM Selector lever: “4th” ENG RPM: 2,400 - 2,500 A/C switch: OFF Hold the accelerator pedal as steady as possible. Allow speed to change if necessary.

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
System Readiness Test Drive Pattern #36

NOTE: It is better to perform this driving test when fuel level is less than 1/2. If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

Pattern #36: '97 Truck (4WD) M/T

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'97 Truck (4WD) M/T
**NOTE:** It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

---

**ECM Part Numbers:** 23710-72F00, -72F01, -72F02, -72F03, -72F04, -72F05

**Pattern #37:** '96 240SX M/T

<table>
<thead>
<tr>
<th>Pre-check</th>
<th>CO2 Sensor</th>
<th>EGR</th>
<th>ENGINE COMPARTMENT WARM-UP</th>
<th>CATALYST</th>
<th>CO2 SENSOR</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Trip</strong></td>
<td>Idle 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Drive 1.5 minutes</td>
<td>Drive 3 minutes</td>
<td>Idle 1 minute</td>
<td>Drive 2 minutes</td>
</tr>
<tr>
<td><strong>2nd Trip</strong></td>
<td>Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 1.5 - 2.0 msec. Selector lever: &quot;4th&quot;</td>
<td>ENG. RPM: 2,000 - 2,200</td>
<td>A/C switch: ON</td>
<td>Drive at 55 - 65 MPH</td>
<td>B/F SCHDL: 2.5 - 4.0 msec.</td>
<td>Selector lever: &quot;5th&quot;</td>
</tr>
<tr>
<td><strong>1st Trip</strong></td>
<td>Start engine, idle at least 1.5 minutes.</td>
<td>Hold recommended B/F SCHDL range. Allow road speed to vary as necessary. B/F SCHDL: 1.5 - 2.0 msec. Selector lever: &quot;4th&quot;</td>
<td>ENG. RPM: 2,000 - 2,200</td>
<td>A/C switch: ON</td>
<td>Drive at 55 - 65 MPH</td>
<td>B/F SCHDL: 2.5 - 4.0 msec.</td>
</tr>
<tr>
<td><strong>2nd Trip</strong></td>
<td>Cruise at 50 - 60 MPH</td>
<td>Selector lever: &quot;4th&quot;</td>
<td>Keep engine speed over 3,000 RPM.</td>
<td>Allow road speed to vary if necessary.</td>
<td>Steady state cruise at 50 - 60 MPH</td>
<td>Use ASCD or hold accelerator to keep road speed as steady as possible.</td>
</tr>
<tr>
<td><strong>End.</strong></td>
<td>Idle 1 minute</td>
<td>Idle 1 minute</td>
<td>Drive 2 minutes</td>
<td>Idle 1 minute</td>
<td>Drive 2 minutes</td>
<td>Selector lever: &quot;4th&quot;</td>
</tr>
</tbody>
</table>
System Readiness Test Drive Pattern #38

ECM Part Numbers: 23710-72F10, -72F11, -72F12, -72F13, -72F14, -72F15

Two Trip Logic
First Trip: Drive all sections 1 through 9
Second Trip: Turn ign. off, Add 4 gallons fuel. Start engine and drive sections 4, 5, 6, 7, 8, 9.

NOTE: It is better to perform this driving test when fuel level is less than 1/2. If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
**System Readiness Test Drive Pattern #39**

**ECM Part Numbers:** 23710-81F00, -81F01, -81F02, -81F03

**All Items:** Two Trip Logic. Drive all sections two times.

**First Trip:** Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70˚C (158˚F).

**Second Trip:** Start engine, drive sections 1, 2, 3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2.

If fuel level is greater than 1/2, more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
System Readiness Test Drive Pattern #40

ECM Part Numbers: 23710-81F10, 81F11, 81F12, 81F13

All Items: Two Trip Logic. Drive all sections two times.
First Trip: Drive all sections 1 through 8 then turn ign. off and allow engine to cool below 70°C (158°F).
Second Trip: Start engine, drive sections 1, 2, 3. Turn ign. off and add 4 gallons of fuel in section 4, then start engine and drive sections 5, 6, 7, 8.

**NOTE:** It is better to perform this driving test when fuel level is less than 1/2.
If fuel level is greater than 1/2 more time may be required to complete EVAP sections of the drive pattern. Also you may be unable to add fuel as required.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

### Pre-check

<table>
<thead>
<tr>
<th></th>
<th>O2 Sensor</th>
<th>EGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Idle 1.5 minutes</td>
<td>Start engine, drive at least 1.5 minutes.</td>
</tr>
<tr>
<td>2</td>
<td>Drive 3 minutes</td>
<td>EGR off</td>
</tr>
<tr>
<td>3</td>
<td>Drive 1.5 minutes</td>
<td>EGR off</td>
</tr>
<tr>
<td>4</td>
<td>Drive 3 minutes</td>
<td>Cruise at 55 - 70 MPH. Selector lever: &quot;D&quot; (OD OFF). Engine coolant temperature must be below 70°C (158°F) before starting engine for either the first or second trip.</td>
</tr>
</tbody>
</table>

### CATALYST

<table>
<thead>
<tr>
<th></th>
<th>O2 Sensor</th>
<th>EVAP SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Drive 3 minutes</td>
<td>Downshift, then deaccelerate. idl e 1 minute</td>
</tr>
</tbody>
</table>
| 6 | Drive 3 minutes | Selector lever: "D" (OD OFF). Cruise at 55 - 60 MPH. Use A/C or hold accelerator to keep road speed as steady as possible. B/F SCHDL: Less than 2.0 msec. Selector lever: "D" (OD OFF). Eng. RPM: Approx. 3000 RPM. A/C switch: ON. | Systems Readiness Test Drive Pattern #40

'97 240SX A/T
Engine coolant temperature must be below 32°C (90°F) before starting engine.

Start engine and idle at least 1.5 minutes.

Drive at 55 - 65 MPH
Selector lever: "5th"
B/F SCHDL: 1.8 - 3.0 msec
ENG. RPM: 2,000 - 2,800

Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.

Drive at 50 - 60 MPH
Selector lever: "4th"
B/F SCHDL: More than 1.3 msec
ENG. RPM: 2,000 - 2,600
Down A/C switch: ON

Steady state cruise at: 80 - 90 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "3rd"
B/F SCHDL: More than 1.3 msec
ENG. RPM: 2,300 - 2,600
Down A/C switch: ON

Engine coolant temperature must be below 32°C (90°F) before starting engine.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
System Readiness Test Drive Pattern #42

ECM Part Numbers: 23710-54P62, -54P74

All Items: Two Trip Logic.
First Trip: Drive all sections 1 through 5, then turn ign. off and allow engine to cool to 158°F to meet Pre-check condition for second trip.
Second Trip: Drive all sections 1 through 5 again.

Pre-check

1
Idle 1.5 minutes

2
Drive 1.5 minutes

3
Engine coolant temperature must be below 70°C (90°F) before starting engine.

4
Drive 3 minutes

5
Drive 3 minutes

Catalyst
O2 Sensor

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
One Trip Logic for all sections.
Drive all sections one time.

ECM Part Numbers: 23710-54P65, 54P66

Pre-check

<table>
<thead>
<tr>
<th>Engine Compartment Warm-up</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
</tr>
</tbody>
</table>

| Engine Coolant Temperature must be below 32˚C (89˚F) before starting engine. |

<table>
<thead>
<tr>
<th>Catalyst</th>
</tr>
</thead>
<tbody>
<tr>
<td>4*</td>
</tr>
<tr>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

Start engine and idle at least 1.5 minutes.

Engine coolant temperature must be below 32˚C (89˚F) before starting engine.

Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

'96 300ZX (Non-turbo) A/T
System Readiness Test Drive Pattern #44

ECM Part Numbers: 23710-54P67, -54P75

All Items: Two Trip Logic

First Trip: Drive all sections 1 through 5, then turn ign. off and allow engine to cool to 158°F to meet Pre-check condition for second trip.

Second Trip: Drive all sections 1 through 5 again.

---

Pre-check

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Idle 1.5 minutes</td>
</tr>
<tr>
<td>2</td>
<td>Drive 1.5 minutes</td>
</tr>
</tbody>
</table>

ENGINE COMPARTMENT WARM-UP

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

Allow engine to idle for at least 10 minutes.
Then cycle ignition switch OFF for 10 seconds.
Restart engine and immediately begin next drive pattern section.

CATALYST

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

Cruise at 50-60 MPH
Selector lever: "D" (OD OFF)
Keep engine speed above 3,000 RPM
Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

A/C switch: ON

---

O2 Sensor Heater

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Idle 1.5 minutes</td>
</tr>
</tbody>
</table>

EGR

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Drive at 50-75 MPH</td>
</tr>
<tr>
<td></td>
<td>Selector lever: &quot;D&quot; (OD OFF)</td>
</tr>
<tr>
<td></td>
<td>B/F SCHDL: 1.9 - 3.0 msec</td>
</tr>
<tr>
<td></td>
<td>ENG. RPM: 1,800 - 2,800</td>
</tr>
</tbody>
</table>

O2 Sensor

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Drive 3 minutes</td>
</tr>
</tbody>
</table>

Steady-state cruise at: 60-65 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "D" (OD ON)
B/F SCHDL: More than 1.4 msec
ENG. RPM: 2,100 - 2,500
A/C switch: ON

---

* Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

---

'96 300ZX (Non-turbo) A/T
System Readiness Test Drive Pattern #45

ECM Part Numbers: 23710-54P00, -54P01, -54P02, -54P03, -54P04, -54P70

One Trip Logic for all sections.
Drive all sections one time.

Pre-check

**ENGINE COMPARTMENT WARMUP**

1

Idle 1.5 minutes

2

Drive 1.5 minutes

3

Allow engine to idle for at least 10 minutes.
Then cycle ignition switch OFF for 10 seconds.
Restart engine and immediately begin next drive pattern section.

**CATALYST**

4

Drive 3 minutes

5

Drive 3 minutes

Cruise at 50 - 60 MPH
Selector lever: "5th"
Keep engine speed above 3,000 RPM.
Allow road speed to vary if necessary.
Do not decelerate for more than 3 consecutive seconds.

Steady state cruise at: 50 - 55 MPH
Use ASCD or hold accelerator to keep road speed as steady as possible.
Selector lever: "5th"
B/F SCHDL: More than 1.0 msec
ENG. RPM: 1,600 - 2,100
Dirn AC switch: ON

Engine coolant temperature must be below 32°C (95°F) before starting engine.

*Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.
**System Readiness Test Drive Pattern #46**

**ECM Part Numbers:** 23710-54P05, -54P06, -54P07, -54P08, -54P09, -54P71

One Trip Logic for all sections.
Drive all sections one time.

### Pre-check

<table>
<thead>
<tr>
<th>O2 Sensor Heater</th>
<th>EGR</th>
<th>ENGINE COMPARTMENT WARM-UP</th>
<th>CATALYST</th>
<th>O2 SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Idle 1.5 minutes</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Start engine and idle at least 1.5 minutes.

Engine coolant temperature must be below 32°C (90°F) before starting engine.

### 2*

<p>| | | | | |</p>
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<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Drive 1.5 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Drive at 55 - 75 MPH

Selector lever: "D" (OD ON)

B/F SCHL: 1,4 - 2,5 msec

ENG. RPM: 1,600 - 2,600

### 3*

<p>| | | | | |</p>
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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Allow engine to idle for at least 10 minutes. Then cycle ignition switch OFF for 10 seconds. Restart engine and immediately begin next drive pattern section.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Promax start cruise at 50 - 60 MPH

Selector lever: "D" (OD OFF)

Keep engine speed above 3,000 RPM. Allow road speed to vary if necessary.

Do not decelerate for more than 3 consecutive seconds.

Steady-state cruise at 55 - 60 MPH

Use ASC or hold accelerator to keep road speed steady as possible.

Selector lever: "D" (OD ON)

B/F SCHL: More than 1,000 msec

ENG. RPM: 1,800 - 2,000

Down/Ac switch: ON

### Notes:

- Dark shading behind section number indicates this drive pattern section must be repeated, without turning the ignition off, if it is interrupted by releasing the accelerator when not directed to do so.

---

'96 300ZX (Turbo) A/T