Chrysler Drive Cycle Information

All Monitor Drive Trace
Pre-Conditioning Requirements:
- MIL must be off
- Cold start (Note: cold start temperature is undefined)
Driving Procedure
1) Warm engine up for five minutes (must reach closed loop)
2) Drive (with steady throttle) at a speed between 40 and 60 mph for 8 minutes.
3) Stop and idle for 3 minutes.
4) Drive (with steady throttle) at a speed above 20 mph for 2 minutes.
5) Turn key off, leave off for ten minutes (to run O2 sensor heater monitor).
Note: Due to the limited preconditions provided with this drive trace, NCVECS recommends using the monitor specific drive traces for Chrysler vehicles.

Catalyst Monitor Drive Trace
Pre-Conditioning Requirements:
- MIL must be off.
- No DTCs present.
- Fuel level is between 15% and 85% full.
- ECT above 70º F.
- Engine must have run at least 90 seconds
- Engine between 1,350 & 1,900 rpm.
Driving Procedure
1) Idle vehicle for five minutes (to reach closed loop operation).
2) Drive with a steady vehicle speed between 30 and 45 mph for 2 minutes.

EGR System Monitor Drive Trace - Vacuum controlled
Pre-Conditioning Requirements:
- MIL must be off.
Driving Procedure
1) Idle vehicle for five minutes (to reach closed loop operation).
2) Drive with a steady vehicle speed between 40 & 60 mph for 8 minutes.

EGR System Monitor Drive Trace - Electronic
Pre-Conditioning Requirements:
- MIL must be off.
- MAP must be between 0-60 KPa.
- Engine speed between 500-850 rpm.
- ECT is above 180º F (90º C).
- No misfire temporary (pending) or matured fault present.
- A/C clutch, PS Switch and Cooling fans do not change state (turn off).
Driving Procedure
1) Idle vehicle for five (5) minutes (to reach closed loop operation).
2) Drive with a steady vehicle speed between 40 & 60 mph for 2 minutes.
3) Idle vehicle for three (3) minutes.
Note: This monitor evaluates EGR flow based on a change of engine roughness (idle stability). Conditions causing un-stable idle will prevent this monitor from running.

**Evaporative System Monitor Drive Trace**
Trace 1: Standard Type
Pre-Conditioning Requirements:
- MIL must be off.
- No Evaporative DTCs present.
- Fuel level is between ½ and full.
(Note: monitor may still run with tank fill between 15% and 85%).
Driving Procedure
1) Idle vehicle for five minutes (to reach closed loop operation).
2) Drive with a steady vehicle speed between 30 and 45 mph for 2 minutes.
Trace 2: Leak Detection Pump
Pre-Conditioning Requirements:
- MIL must be off.
- No Evaporative DTCs present.
- Fuel level is between 30 & 85 % full.
Driving Procedure
1) Cold soak vehicle, start and idle vehicle for 4 minutes.
2) Drive in-town (stop and go) for 5 minutes, using smooth accelerations and decelerations.
3) Stop and idle vehicle for 4 minutes.

**O2 Sensor Monitor Drive Trace**
Pre-Conditioning Requirements:
- MIL must be off.
Driving Procedure
1) Idle vehicle for five minutes (to reach closed loop operation).
2) Drive with a steady vehicle speed above 25 mph for 2 minutes.
3) Stop and idle for 30 seconds.
4) Smoothly accelerate to a speed between 30 and 40 mph.
5) Repeat steps 3 & 4 five (5) times.

**O2 Sensor Heater Monitor Drive Trace**
Pre-Conditioning Requirements:
- MIL must be off.
Driving Procedure
1) Idle vehicle for five minutes (to reach closed loop operation).
2) Shut engine off and leave vehicle off for ten minutes.