

CHART A-12.3 V6 PCM

ELECTRIC FAN CONTROL

STEP	ACTION	VALUE	YES	NO
1.	Was the "On-Board Diagnostic" (OBD) System Check performed?		Go to Step 2.	Go to OBD System Check .
2.	1. Ignition "OFF". 2. Remove engine cooling fan low speed relay ("LO FAN") from relay housing. 3. Ignition "ON". 4. Probe relay socket, circuit 250 with a test light connected to earth. 5. Using TECH 1, select F4: MISC TEST; F0: OUTPUT TEST; F3: HIGH FAN, enable fan "ON" by pressing up/down arrow keys. 6. Is test light "ON" ?		Go to Step 3	Go to Step 8
3.	1. Ignition "OFF". 2. Remove engine cooling fan low speed relay ("LO FAN") from relay housing. 3. Ignition "ON" 4. Probe relay socket, circuits 39 and 1040 with test light connected to earth 5. Is test light "ON" for both circuits?		Go to Step 4	Go to Step 10
4.	1. Ignition "ON". 2. Probe "LO FAN" relay socket, circuit 473 with a test light connected to +12 volts. 2. Using TECH 1; Select F5: FUNCTIONS; F4: LOW FAN, enable fan "ON" with yes/no buttons. 4. Is test light "ON"?		Go to Step 5	Go to Step 9
5.	1. Ignition "ON". 2. Reinstall engine cooling fan low speed relay ("LO FAN"). 3. Back-probe "LO FAN" relay wiring harness connector, circuit 533 with test light connected to earth. 4. Using TECH 1; Select F5: FUNCTIONS; F4: LOW FAN, enable fan "ON" with yes/no buttons. 5. Is test light "ON"		Go to Step 6	Go to Step 11
6.	1. Ignition "OFF". 2. Disconnect electric cooling fan wiring harness connector. 3. Probe wiring harness connector circuit 533 with test light connected to earth. 4. Using TECH 1; Select F5: FUNCTIONS; F4: LOW FAN, enable fan "ON" with yes/no buttons. 5. Is test light "ON"		Go to Step 7	Go to Step 13
7.	1. Probe both fan harness connector earth circuits 150, with a test light connected to +12 volts. 2. Is test light "ON" for both circuits ?		Go to Step 12	Go to Step 15
8.	Repair fault connection or open in circuit 250 between relays		Verify Repair	
9.	1. Ignition "ON". 2. Using TECH 1; Select F5: FUNCTIONS; F4: LOW FAN, enable fan "ON" with yes/no buttons. 3. Backprobe BCM terminal "B3" (High Series BCM) or "B14" (Low Series) with a test light connected to +12 volts. 4. Is test light "ON"?		Go to Step 14	Go to Step 16

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| 10. Repair open in circuit which causes test light not to come "ON". Is repair complete? | Verify Repair |
| 11. Replace "LO FAN" relay. Is repair complete? | Verify Repair |
| 12. Replace electric fan motor. Is repair complete? | Verify Repair |
| 13. Repair open in circuits 533 or 250. Is repair complete? | Verify Repair |
| 14. Repair open in circuit 301 between PCM and engine cooling fan ("ENG. FAN") relay Is repair complete? | Verify Repair |
| 15. Repair open in fan motor earth circuit that did not light test light. Is repair complete? | Verify Repair |
| 16. Check for faulty connection at BCM, if OK replace BCM. Is repair complete? | Verify Repair |