# ACURA

## POWERTRAIN CONTROL MODULE RESET PROCEDURE/CLEARING DIAGNOSTIC TROUBLE CODES (ALL MODELS)

**NOTE: Some models have an anti-theft code built into radio circuit. Clearing codes cancels clock and radio settings; make note of anti-theft code and station presets before beginning reset procedure. After PCM reset, radio will not operate until anti-theft code is entered.**

**NOTE: If service check connector is connected and no DTC is stored in PCM, MIL will remain on when the ignition is turned on.**

To reset Powertrain Control Module (PCM) (clear DTCs), use Honda PGM tester or OBD-II scan tool following manufacturer's instructions. After DTCs are cleared and PCM is reset, remove SCS service connector, if connected. Disconnect Honda PGM Tester or scan tool from DLC. DTCs can also be cleared by turning ignition off and removing BACK UP (RADIO) fuse (7.5-amp) from underhood fuse/relay block (located next to battery). On all models, leave fuse out for at least 10 seconds to reset PCM.

## KNOWN-GOOD POWERTRAIN CONTROL MODULE SUBSTITUTION

**NOTE: Use this procedure when diagnostic testing suggests substituting PCM with known-good unit.**

On models equipped with engine immobilizer system, acquire key cut from non-immobilizer key blank. Remove PCM from test vehicle. Install known-good PCM from donor vehicle into test vehicle. Tape donor vehicle's ignition key head-to-head to test vehicles temporary key. PCM will recognize code from donor vehicle's key and allow test vehicle to be started and tested.

## SYSTEM READINESS TEST CODES

If battery has been disconnected, DTCs have been cleared or PCM has been reset, readiness codes will reset. In some states part of emission testing is to ensure readiness codes are complete. If readiness codes are not complete, emission test cannot be finished.

To check if readiness codes are complete, turn ignition switch on, engine off. MIL will illuminate for 15-20 seconds. If MIL goes off, readiness codes are complete. If MIL blinks several times, one or more readiness codes are not complete.

To set each code, drive vehicle or run engine as described in following procedures.

### Catalytic Converter Codes

**NOTE: Once test is started DO NOT turn ignition switch off. When negative battery cable is disconnected, all readiness codes are cleared. When PCM is cleared**

**with scan tool, all readiness codes are cleared.**

For test purposes ensure ambient temperature is 20-95°F (-7-35°C).

1. Connect scan tool to DLC. Start engine and hold at 3000 RPM with no load until radiator fan comes on.
2. Drive vehicle for about 10 minutes, without stopping. Preferably on highway where speed can be varied.
3. With A/T in "D" position, M/T in 5th gear, drive at steady speed between 50 and 62 MPH for 30 seconds.
4. Repeat step 4 three times. Between each repetition, close throttle completely for 1-2 seconds. If engine is stalls or is shut off during this part of procedure, repeat procedure starting in step 2.
5. Readiness code should now be set. Use scan tool to check readiness code.

**EVAP Leak Monitor Code**

**NOTE: When negative battery cable is disconnected, all readiness codes are cleared. When PCM is cleared with scan tool, all readiness codes are cleared. If engine is stalls or is shut off between steps 6-16 , repeat procedure again.**

1. Ensure fuel level is between 60 and 90 percent of fuel tank capacity (not full).
2. Turn ignition switch off.
3. Let vehicle set for more than 8 hours.
4. Ensure outside temperature is 20-95°F (-7-35°C)
5. Connect scan tool to DLC.
6. Start engine and drive for about 20 minutes.
7. Maintain vehicle at steady speed between 50 and 70 MPH, without moving accelerator pedal, for about one minute.
8. Bring vehicle to a stop. Leave engine running at idle speed.
9. Repeat steps 7 and 8 two more times.
10. Using scan tool, check readiness code. If readiness code is not complete go to next step.
11. When ambient temperature is less than 32°F (0°C), hold engine speed at 3,000 RPM with no load (in park or neutral) until radiator fan comes on.
12. When ambient temperature is more than 86°F (30°C), remove and install gas cap.
13. Drive vehicle on highway for about 20 minutes.
14. Maintain vehicle at steady speed between 50 and 70 MPH, without moving accelerator pedal, for about one minute.
15. Bring vehicle to a stop. Leave engine running at idle speed.
16. Repeat steps 14 and 15 two more times.
17. Readiness code should now be set. Use scan tool to check readiness code.

**HO2S Monitor Code**

**NOTE: Once test is started DO NOT turn ignition switch off. When negative battery**

**cable is disconnected, all readiness codes are cleared.**

Ensure ambient temperature is 20-95°F (-7-35°C).

1. Connect scan tool to DLC.
2. Start engine and hold at 3000 RPM with no load (in park or neutral) until radiator fan comes on.
3. Let engine idle for 5 seconds.
4. Drive vehicle at steady speed between 50 and 62 MPH for about two minutes
5. With A/T in "D" position, M/T in 5th gear, decelerate from 62 MPH by completely releasing throttle for 5 seconds.
6. Bring vehicle to a stop. Leave engine running at idle speed. If engine is stalls or is shut off during this part of procedure, repeat procedure starting in step 4.
7. Readiness code should now be set. Use scan tool to check readiness code.

**HO2S Heater Monitor Code**

**NOTE: Once test is started DO NOT turn ignition switch off. When negative battery cable is disconnected, all readiness codes are cleared.**

1. Connect scan tool to DLC.
2. Start engine and let idle for 10 minutes.
3. Readiness code should now be set. Use scan tool to check readiness code.

To carry out configuration process, upload old information from old module using PDU (if applicable). Install new module. For additional information on the anti-lock brake control module, appropriate ANTI-LOCK article in BRAKES. For additional information on the DDM, see appropriate POWER DOOR LOCK article in ACCESSORIES & EQUIPMENT. For additional information on the instrument cluster, see appropriate INSTRUMENT PANELS article in ACCESSORIES & EQUIPMENT. For additional information on the GEM and the REM, appropriate BODY CONTROL MODULES article in ACCESSORIES & EQUIPMENT. PDU will not retain stored configuration information for longer than 24 hours. Download stored information into new module using PDU (if applicable). Easy entry/exit function is now calibrated, and if activated will move seat to full-back and steering column to full-up positions when transmission is place in Park or Neutral position and door is opened.