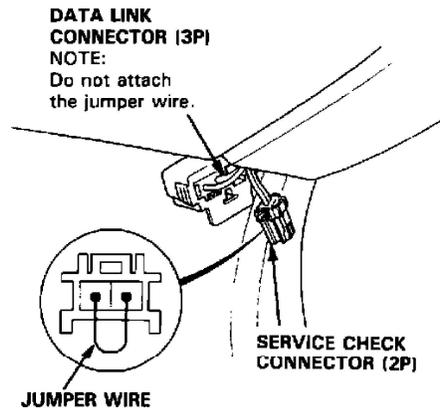


# Computers and Control Systems: Reading and Clearing Diagnostic Trouble Codes Without Scan Tool

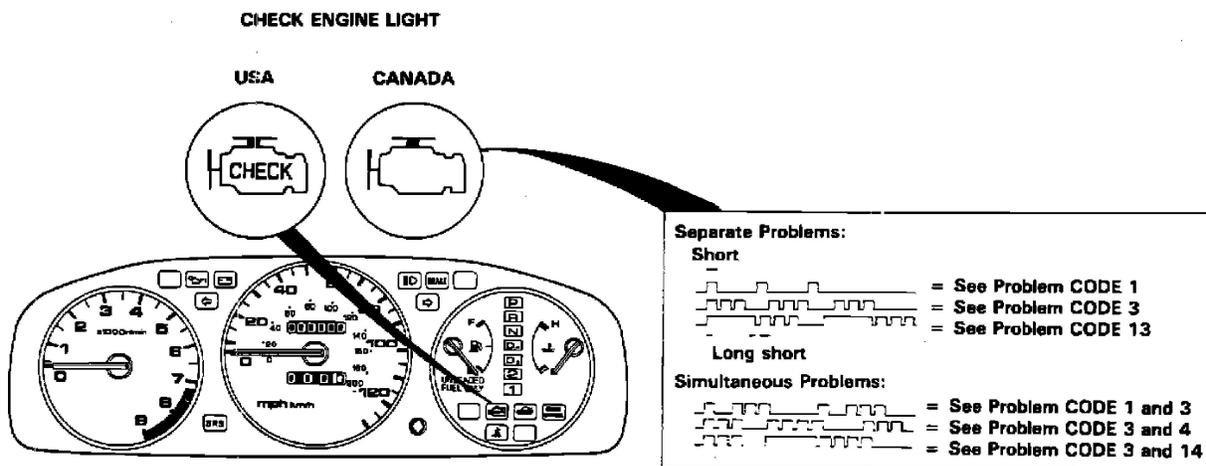
## EXTRACTING DIAGNOSTIC TROUBLE CODES

If the Malfunction Indicator Lamp (MIL) has been reported on, you can extract the Diagnostic Trouble Codes (DTC) as follows:



Service Check Connector And Data Link Connector

1. Connect the Service Check Connector terminals with a jumper wire (the Service Check Connector is located under the dash on the passenger side of the car) and turn Ignition Switch ON.



Check Engine Light

2. The Malfunction Indicator Lamp (MIL) indicates a DTC by blinking frequency. The Malfunction Indicator Lamp can indicate any number of simultaneous component problems by blinking separate codes one after another. DTC 1 through 9 are indicated by individual short blinks. DTC 10 through 48 are indicated by a series of long and short blinks. The number of long blinks equals the first digit, the number of short blinks equals the second digit.
3. Remove the jumper wire when finished extracting DTC(s).
4. When troubleshooting is completed, perform the following procedures:
  - a. Clear any Diagnostic trouble codes from memory.
  - b. Set the radio preset stations and the clock setting.