

GENERAL INFORMATION

Service Reminder Indicators - Hummer

CHANGE OIL SOON INDICATOR

NOTE: Most vehicles are equipped with a Malfunction Indicator Light (MIL) or check engine light. If light comes on and remains on while driving, the vehicle requires some type of repair. See appropriate service and repair information. After repairing fault(s) and clearing fault code(s), the MIL or check engine light should go out. Some models may use a dual-function indicator light, which is also used to indicate emission component service is due. After performing required service, reset indicator light.

2003 H2

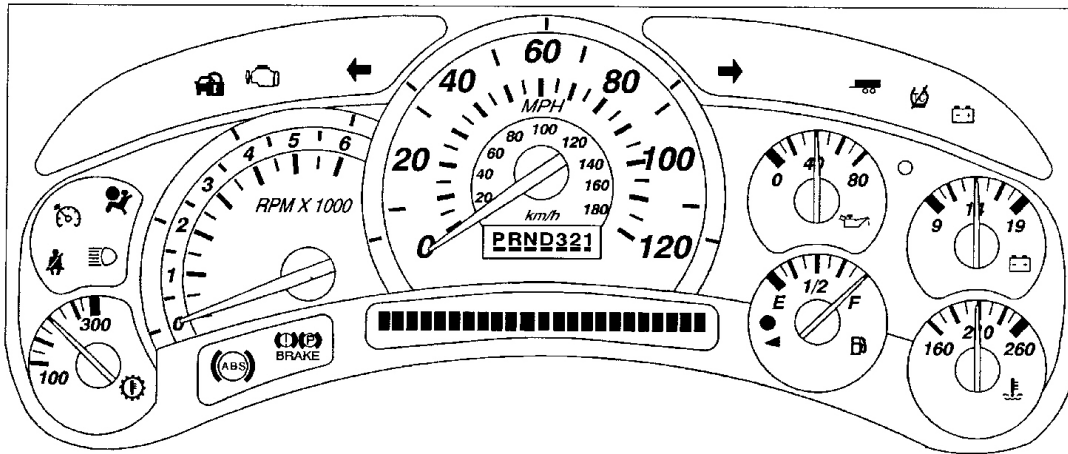
1. The Oil Life System will show when to change the engine oil and oil filter. This will usually occur between 3000 and 7500 miles since the last oil change. Under severe conditions, the indicator may come on before 3000 miles. The system will not detect dust in the oil. Reset the system when the oil has been changed.
2. To reset oil life system, turn ignition ON, with engine OFF. Fully push and release the accelerator pedal slowly 3 times within 5 seconds. If the CHANGE OIL SOON light flashes, the system is resetting. Turn ignition OFF. Start engine and allow to idle. The oil life will change to 100 percent. If the CHANGE OIL SOON indicator comes back on, the system has not reset. Repeat the procedure.

2004 H2

1. Turn ignition on, with engine off. Press the fuel information button until ENGINE OIL LIFE appears on the screen.
2. Press and hold the select button for 5 seconds.
3. OIL LIFE RESET will appear on the screen for 10 seconds.
4. The oil life system is reset. Turn ignition off.

2007 Hummer H3

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Fig. 1: Identifying Instrument Cluster (H2)
Courtesy of GENERAL MOTORS CORP.

2005-08 H2 & H3

1. Turn the ignition key to RUN position, with engine off.
2. Fully press and release the accelerator pedal slowly three times within five seconds. If the OIL LIFE RESET message flashes for 10 seconds, the system is resetting.
3. Turn the key to LOCK position. If the CHANGE ENGINE OIL message comes back on when engine is started, repeat reset procedure.

TIRE PRESSURE MONITOR SYSTEM

2006-08 H3

NOTE: Before proceeding with the steps below, ensure that no other sensor learn procedure is being performed simultaneously, or that tire pressures are not being adjusted on a TPM equipped vehicle within close proximity.

NOTE: In the following procedure, a TPM Sensor Activation Tool (J-46079) may be used in place of increasing/decreasing pressures to enable sensor. To use, place activator antenna against the tire sidewall close to the wheel rim at the valve stem location, then press and release the ACTIVATE button.

NOTE: If TPM Sensor Activation Tool (J-46079) is used, and vehicle is having trouble entering relearn mode, check batteries in activation tool. Low batteries may allow some functions to work, but not allow vehicle to perform learn function. When the internal battery is fresh (fully charged), the indicator is "full" or all dark. When the battery is depleted, the indicator shows "empty" or all light.

1. Turn ignition switch to ON position, with engine off. Apply parking brake.

NOTE: If learn mode cannot be enabled, TPM system is not enabled in BCM. See appropriate manufacturer service information.

2. Turn headlight switch from OFF to parking lamps 4 times within 4 seconds. A double horn chirp will sound and the low tire pressure indicator will begin to flash to indicate the learn mode has been enabled (the low tire pressure indicator should continue flashing throughout the matching procedure, and "SERVICE TIRE MONITOR" message will be displayed on the DIC).

WARNING: Overinflating tires may cause personal injury or damage to the tires and wheels. When increasing tire pressure, do not exceed the maximum inflation pressure as noted on the tire sidewall.

NOTE: If a horn chirp does not sound after 35 seconds for any of the 4 sensors, turn ignition switch to OFF position to exit the learn mode. Repeat procedure from step 1.

3. Starting with left front tire, increase or decrease the pressure for 8-10 seconds, or until a horn chirp sounds. Horn chirp may occur before the 8-10 second pressure increase/decrease time period has been reached, or up to 30 seconds after the 8-10 second pressure increase/decrease time period has been reached.
4. After horn chirp has sounded, proceed as in step 3 for the next 3 sensors in the following order: right front, right rear and left rear.
5. After left rear sensor has been learned, check to see if the low tire pressure indicator is still flashing. If it is, turn ignition switch to OFF position to exit relearn procedure. Adjust all tire pressures to specification. If the low tire pressure indicator is not flashing, repeat procedure from step 1.

Description & Operation

The TPM system uses the Instrument Panel Cluster (IPC), Body Control Module (BCM), RCDLR, keyless entry transmitter, 4 Radio Frequency (RF) transmitting pressure sensors, and the serial data circuit to perform the sensor learn mode functions. The sensor learn procedure must be performed any time the RCDLR is replaced, a sensor is replaced, or after every tire rotation. Once the learn mode has been enabled, each of the sensor's unique identification (ID) codes can be learned into the RCDLR's memory. When a sensor's ID has been learned, the RCDLR sends a serial data message to the BCM to sound a horn chirp. This verifies the sensor has transmitted its ID and the RCDLR has received and learned it. The RCDLR must learn the sensor IDs in the proper order to determine correct sensor location. The first learned ID is assigned to left front, the second to right front, third to right rear and fourth to left rear.

NOTE: Each turn signal will illuminate one at a time indicating which location is to be learned next.

Each sensor takes a pressure measurement sample once every 30 seconds while in stationary mode. If the tire pressure increases or decreases by more than 1.2 psi (8.3 kPa) from the last pressure measurement, another measurement will occur immediately to verify the change in pressure. If a pressure change has indeed occurred, the sensor transmits a learn mode. When the RCDLR receives a learn mode transmission while in sensor learn mode, it will assign that sensor's ID to the location on the vehicle relative to the order in which it was learned.

The TPM system will cancel the learn mode if more than 2 minutes have passed and no sensors have been learned, or if the ignition switch is turned to the OFF position. If the learn mode is canceled before the first ID is learned, the RCDLR will remember all previously stored IDs and their locations. As soon as the first sensor ID is learned, all other IDs are erased from the RCDLR's memory. If the learn mode is canceled after the first ID is learned, the RCDLR will store the IDs as invalid and the DIC will display dashes instead of tire pressures.

The learn mode can be enabled using either the keyless entry system, the Driver Information Center (DIC), or a scan tool. See **RELEARN PROCEDURE (USING KEYLESS ENTRY SYSTEM)**, **RELEARN PROCEDURE (USING SCAN TOOL)** or **RELEARN PROCEDURE (USING DRIVER INFORMATION CENTER)** .

NOTE: Before proceeding with the steps below, ensure that no other sensor learn procedure is being performed simultaneously and that no tire pressures are being adjusted on another TPM equipped vehicle within close proximity.

NOTE: In the following procedures, a TPM Sensor Activation Tool (J-46079) may be used in place of increasing/decreasing pressures to enable sensor. To use, place activator antenna against the tire sidewall close to the wheel rim at the valve stem location, then press and release the ACTIVATE button.

NOTE: If TPM Sensor Activation Tool (J-46079) is used, and vehicle is having trouble entering relearn mode, check batteries in activation tool. Low batteries may allow some functions to work, but not allow vehicle to perform learn function. When the internal battery is fresh (fully charged), the indicator is "full" or all dark. When the battery is depleted, the indicator shows "empty" or all light.

Relearn Procedure (Using Keyless Entry System)

1. Turn ignition switch to ACCY position. Apply parking brake.
2. Simultaneously press the keyless entry transmitter's lock and unlock buttons until a double horn chirp sounds, indicating the learn mode has been enabled. Proceed to step 3 or 4.

NOTE: The left front turn signal will also illuminate to indicate the learn mode has been enabled.

WARNING: Overinflating tires may cause personal injury or damage to the tires and wheels. When increasing tire pressure, **DO NOT** exceed the maximum inflation pressure as noted on the tire sidewall.

3. Increase/decrease Method: Starting with left front tire, increase or decrease the pressure for 8-10 seconds, then wait for the horn to make a chirp sound. The horn chirp may occur before the 8-10 second pressure increase/decrease time period has been reached, or up to 30 seconds after the 8-10 second pressure increase/decrease time period has been reached.
4. Scan Tool Method: Starting with the left front tire, hold the scan tool against the tire wall aiming upward with the antenna. Press the activate button and wait for a horn chirp. After the horn has chirped, the turn signal will illuminate indicating the next location to be learned.
5. After horn chirp has sounded and the right turn signal has illuminated, proceed as in step 3 or 4 for the next 3 sensors in the following order: right front, right rear and left rear.
6. After left rear sensor has been learned, a double horn chirp will sound, indicating all 4

sensor IDs have been learned. Turn ignition switch to OFF position. Adjust all tire pressures to specification.

Relearn Procedure (Using Scan Tool)

NOTE: Before proceeding with the steps below, ensure that no other sensor learn procedure is being performed simultaneously and that no tire pressures are being adjusted on another TPM equipped vehicle within close proximity.

1. Connect scan tool. Turn ignition switch to RUN position. Apply parking brake.
2. Using scan tool, select "SPECIAL FUNCTIONS".
3. Select "SENSOR LEARN MODE ENABLE", and press ENTER key.
4. Press ON soft key. A double horn chirp will sound, indicating the learn mode has been enabled. Proceed to step 5 or 6.

NOTE: The left front turn signal will also illuminate to indicate the learn mode has been enabled.

WARNING: Overinflating tires may cause personal injury or damage to the tires and wheels. When increasing tire pressure, DO NOT exceed the maximum inflation pressure as noted on the tire sidewall.

5. Increase/decrease Method: Starting with left front tire, increase or decrease the pressure for 8-10 seconds, then wait for the horn to make a chirp sound. The horn chirp may occur before the 8-10 second pressure increase/decrease time period has been reached, or up to 30 seconds after the 8-10 second pressure increase/decrease time period has been reached.
6. Scan Tool Method: Starting with the left front tire, hold the scan tool against the tire wall aiming upward with the antenna. Press the activate button and wait for a horn chirp. After the horn has chirped, the turn signal will illuminate indicating the next location to be learned.
7. After horn chirp has sounded, proceed as in step 5 or 6 for the next 3 sensors in the following order: right front, right rear and left rear.
8. After left rear sensor has been learned, a double horn chirp will sound, indicating all 4 sensor IDs have been learned. Turn ignition switch to OFF position. Adjust all tire pressures to specification.

Relearn Procedure (Using Driver Information Center)

NOTE: Before proceeding with the steps below, ensure that no other sensor learn procedure is being performed simultaneously and that no tire pressures are being adjusted on another TPM equipped vehicle within close proximity.

1. Turn ignition switch to RUN position. Apply parking brake.
2. Press the "INFO" button on the DIC, until the "RELEARN TIRE POSITIONS" message display on the DIC. Then press the "SET/RESET" button on the DIC, until a double horn chirp will sound, and the DIC displays "TIRE LEARNING ACTIVE". This will indicate the learn mode has been enabled. Proceed to step 3 or 4.

WARNING: Overinflating tires may cause personal injury or damage to the tires and wheels. When increasing tire pressure, **DO NOT** exceed the maximum inflation pressure as noted on the tire sidewall.

3. Increase/decrease Method: Starting with left front tire, increase or decrease the pressure for 8-10 seconds, then wait for the horn to make a chirp sound. The horn chirp may occur before the 8-10 second pressure increase/decrease time period has been reached, or up to 30 seconds after the 8-10 second pressure increase/decrease time period has been reached.
4. Scan Tool Method: Starting with the left front tire, hold the scan tool against the tire wall aiming upward with the antenna. Press the activate button and wait for a horn chirp. After the horn has chirped, the turn signal will illuminate indicating the next location to be learned.
5. After horn chirp has sounded and the right turn signal has illuminated, proceed as in step 3 or 4 for the next 3 sensors in the following order: right front, right rear and left rear.
6. After left rear sensor has been learned, a double horn chirp will sound, indicating all 4 sensor IDs have been learned. Turn ignition switch to OFF position. Adjust all tire pressures to specification.