



Applies To: **1998-02 Accord L4 ULEV – ALL**  
**2000-02 Accord L4 SULEV – ALL**

**August 26, 2003**

## MIL Comes On With DTC P1164

(Supersedes 00-046, dated March 5, 2002)

### SYMPTOM

The MIL comes on with DTC P1164 (air/fuel ratio sensor performance problem).

### PROBABLE CAUSE

Specific driving conditions may cause the ECM/PCM to incorrectly interpret sensor inputs, setting DTC P1164.

### CORRECTIVE ACTION

Do the **DIAGNOSIS** to determine the part number of the ECM/PCM. Then do **REPAIR PROCEDURE A** or **REPAIR PROCEDURE B** as indicated. As applicable, replace the air/fuel ratio sensor (sensor 1) and replace the ECM/PCM.

### PARTS INFORMATION

#### 1998-00 ULEV

Air/Fuel Ratio Sensor:

P/N 36531-PAA-L23, H/C 7373632

#### 1998-99 A/T ULEV

Powertrain Control Module (PCM)

P/N 37820-PAA-305, H/C 6695720

#### 2000 A/T ULEV

Powertrain Control Module (PCM)

P/N 37820-PAA-316, H/C 7253131

#### 2000 M/T ULEV

Engine Control Module (ECM)

P/N 37820-PAA-317, H/C 7253149

#### 2000 A/T SULEV

Powertrain Control Module (PCM)

P/N 37820-PAA-319, H/C 7463029

#### 2001-02 A/T SULEV

Powertrain Control Module (PCM)

P/N 37820-PAA-L97, H/C 7313125

#### 2001-02 A/T ULEV

Powertrain Control Module (PCM)

P/N 37820-PAA-L77, H/C 7198666

#### 2001-02 M/T ULEV

Engine Control Module (ECM)

P/N 37820-PAA-L23, H/C 7198658

### WARRANTY CLAIM INFORMATION

**In warranty:** The normal warranty applies.

| OP#    | Description                                   | FRT |
|--------|-----------------------------------------------|-----|
| 123503 | Retrieve the DTC and clear codes with the HDS | 0.3 |
| 121170 | Replace the air/fuel ratio sensor             | 0.3 |
| A      | Inspect the ECM/PCM part number               | 0.1 |
| B      | Replace the ECM/PCM                           | 0.4 |

Failed Part: P/N 37820-PAA-L74

H/C 6218853

Defect Code: 072

Contention Code: C99

Skill Level: Repair Technician

**Out of warranty:** Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Parts and Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

## DIAGNOSIS

Before beginning repair work, note the year, model, transmission type, and emissions group of the vehicle you are working on. To find the emissions type, compare the under-hood emissions control label to the text below.

### 1998–1999 ULEV

THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO **1998 (1999)** NEW **ULEV** PASSENGER CARS PROVIDED THAT THIS VEHICLE IS ONLY INTRODUCED INTO COMMERCE FOR SALE IN THE STATE OF CALIFORNIA

If you are working on 1998–99 A/T model, inspect the part number on the PCM in the vehicle.

*Is the part number 37820-PAA-305?*

**YES** - Go to REPAIR PROCEDURE A.

**NO** - Go to REPAIR PROCEDURE B.

### 2000–2002 ULEV

THIS VEHICLE CONFORMS TO U.S. EPA NLEV REGULATIONS APPLICABLE TO **2000 (2001) (2002)** MODEL YEAR NEW **ULEV** PASSENGER CARS, AND CALIFORNIA REGULATIONS APPLICABLE TO **2000 (2001) (2002)** MODEL YEAR NEW ULEV PASSENGER CARS

If you are working on a 2000–02 ULEV model, inspect the part number on the ECM/PCM in the vehicle.

*On 2000 A/T models, is the part number 37820-PAA-306 or 37820-PAA-316?*

**YES** - Go to REPAIR PROCEDURE A.

**NO** - Go to REPAIR PROCEDURE B.

*On 2000 M/T models, is the part number 37820-PAA-307 or 37820-PAA-317?*

**YES** - Go to REPAIR PROCEDURE A.

**NO** - Go to REPAIR PROCEDURE B.

*On 2001–02 A/T models, is the part number 37820-PAA-L77?*

**YES** - This service bulletin does not apply; continue troubleshooting.

**NO** - Go to REPAIR PROCEDURE B.

*On 2001–02 M/T models, is the part number 37820-PAA-L23?*

**YES** - This service bulletin does not apply; continue troubleshooting.

**NO** - Go to REPAIR PROCEDURE B.

### 2000 SULEV

THIS VEHICLE CONFORMS TO CALIFORNIA REGULATIONS APPLICABLE TO **2000** MODEL YEAR NEW **SULEV** PASSENGER CARS, THIS VEHICLE MAY ONLY BE INTRODUCED INTO COMMERCE FOR SALE IN CALIFORNIA

If you are working on a 2000 A/T model, inspect the part number on the PCM in the vehicle.

*Is the part number 37820-PAA-319?*

**YES** - This service bulletin does not apply; continue troubleshooting.

**NO** - Go to REPAIR PROCEDURE B.

### 2001–2002 SULEV

THIS VEHICLE CONFORMS TO CALIFORNIA REGULATIONS APPLICABLE TO **2000** MODEL YEAR NEW **SULEV** PASSENGER CARS, THIS VEHICLE MAY ONLY BE INTRODUCED INTO COMMERCE FOR SALE IN CALIFORNIA

If you are working on a 2001–02 A/T model, inspect the part number on the PCM in the vehicle.

*Is the part number 37820-PAA-L97?*

**YES** - This service bulletin does not apply; continue troubleshooting.

**NO** - Go to REPAIR PROCEDURE B.

## REPAIR PROCEDURE A

Replace the air/fuel ratio sensor (sensor 1).

## REPAIR PROCEDURE B

1. **1998–2000 ULEV models only** - Replace the air/fuel ratio sensor (sensor 1).
2. Replace the ECM/PCM. Refer to service bulletin 00-049, *Immobilizer System (Type 2)*.
  - For 1998–99 models, you need all of the working ignition keys.
  - For 2000–02 models, download the immobilizer transponder codes to the HDS before replacing the ECM/PCM.

