

ATTENTION:

GENERAL MANAGER PARTS MANAGER
 CLAIMS PERSONNEL SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial



SERVICE BULLETIN

APPLICABILITY: Some 99MY Legacy and Impreza Manual Transmission Vehicles with 2.2L & 2.5L Engines.

NUMBER: 11-58-99
DATE: 01/31/00

SUBJECT: Hesitation on Acceleration

In the event you encounter a customer complaint of a slight engine hesitation, perform the following:

First, eliminate all external influences, such as an incorrect or dirty air filter, loose or cracked intake duct, dirty fuel filter, low fuel pressure, PVC system, or low engine vacuum that would indicate an external leak or an internal engine component. Check for trouble codes and repair as necessary. Verify the fuel quality.

If all external components are confirmed to be operating within vehicle specifications, the hesitation may be caused by the ignition control logic in the ECM. Under certain low rpm driving patterns, the ignition control system can pick up engine vibrations through the knock sensor and may retard the ignition timing. This ignition timing is learned by the ECM and placed in memory. **Note: This area of the memory can not be viewed by using the Select Monitor.** When the vehicle is driven under these conditions, the timing may be retarded and could cause the engine to hesitate on acceleration.

To confirm this condition, road test the vehicle while viewing the **knock sensor signal** on the Select Monitor. If you duplicate the hesitation and the reading on the monitor is around -10 Degrees, you will need to change the ECM to correct the concern.

Use the chart below to locate and order the correct part number for your application.

VEHICLE MODEL	VEHICLE EMISSION SPECIFICATIONS	PART NUMBER
99 Legacy 2.2L	FED	22611AD65D
99 Legacy 2.2L Postal	FED	22611AD66D
99 Legacy 2.5L	FED	22611AD67B
99 Outback 2.5L	FED	22611AD68B
99 Legacy 2.5L	CAL	22611AD69B
99 Outback 2.5L	CAL	22611AD70B
99 Impreza 2.2L	FED	22611AE513

Note: Refer to the Warranty Labor Time Guide for claim information.

CAUTION

VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.