

**ATTENTION:**

GENERAL MANAGER  PARTS MANAGER   
 CLAIMS PERSONNEL  SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial




## SERVICE BULLETIN

**APPLICABILITY:** 1999 - 2002 All Models  
**SUBJECT:** TCU Code 45 and AWD Harsh Engagement

**NUMBER:** 16-66-02  
**DATE:** 03/15/03

### INTRODUCTION

If you encounter a TCU Code 45 (intake manifold pressure signal), and have confirmed the wiring and connectors as outlined in the appropriate Service Manual, it will be necessary to replace the TCU with one listed below. Please note that if the same vehicle is experiencing an ECM code for the pressure signal, replacement of the TCU will not correct it. You will need to diagnose and repair according to the Service Manual.

These new TCUs also include a slight logic change to address AWD harsh engagement. Some customers may comment, when they are driving in snow and ice and they try to accelerate during slow speed driving, that they feel a bang from the rear of the vehicle. This is caused by the transfer clutch being applied quickly when the system detects slight wheel slippage. You should confirm the AWD is working properly prior to replacing the TCU.

These logic changes were incorporated into production from the start of 2003 model year.

LEGACY		TCU	
99MY	2.2L	LHD CAL	31711AE154
		POSTAL CAL	31711AE164
		LHD FED	31711AE404
		POSTAL FED	31711AE414
2.5L	GT	31711AE174	
	OBK	31711AE184	
00MY	2.5L	L	31711AE10C
		GT	31711AE11C
01MY	2.5L	OBK	31711AE12C
		L	31711AF33C
	2.5L	GT	31711AF34C
		OBK	31711AF35C
02MY	2.5L	OBK	31711AF37B
		L	31711AF90B
	3.0L	GT	31711AF91B
2.5L	OBK	31711AF92B	
	3.0L	OBK	31711AF95B

IMPREZA		TCU	
99MY	2.2L	CAL	31711AE314
		FED	31711AE424
			31711AE324
00-01MY	2.2L		31711AE532
	2.5L		31711AE552
02MY	2.5L	TS,OBK	31711AE951
		RS	31711AE961

FORESTER		TCU	
99MY	2.5L		31711AE234
00-01MY	2.5L		31711AE672
02MY	2.5L		31711AF491



**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.

