

ATTENTION:
 GENERAL MANAGER PARTS MANAGER
 CLAIMS PERSONNEL SERVICE MANAGER
 IMPORTANT - All Service Personnel Should Read and Initial



SERVICE BULLETIN

APPLICABILITY: Legacy, Impreza and Forester Vehicles **NUMBER:** 02-93-04
SUBJECT: Modification of Timing Belt Tensioner **DATE:** 11/05/04
 Bracket

INTRODUCTION

This Service Bulletin is to inform of a modification made to the timing belt tensioner bracket to prevent a knocking noise. On SOHC engines, the shape of the bracket and the size of the 2 (upper side) installation bolts were changed. On DOHC engines, the shape of the bracket was changed and ribs added to increase rigidity.

PRODUCTION LINE CHANGE

The new style tensioner brackets were used in production starting in February 2004.

Affected vehicles:

- 2004MY Forester
- 2005MY Legacy and Impreza

The following are the approximate starting VINs:

MODEL	VINS AFFECTED (STARTING NUMBER)	
Legacy	Sedan	5*200001
	Wagon	5*300252
Impreza	Sedan	5*500012
	Wagon	5*800011
Forester		4*762802

PART NUMBER INFORMATION

SOHC 2.5L ENGINE

PART NAME	NEW PART NUMBER	OLD PART NUMBER
Bracket Complete Tensioner	13156AA052	13156AA051
Bolt (2 required)	(8x55x20) 800708460	(8x42x22) 808208330

DOHC 2.0L AND 2.5L

PART NAME	NEW PART NUMBER	OLD PART NUMBER
Bracket Complete Tensioner	13156AA062	13156AA061



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.



COUNTERMEASURE INFORMATION

Also, a countermeasure was made to the timing belt tensioner, which has been incorporated in production since April 5, 2002.

- A new heat treatment procedure was used to improve the hardness of the surface at the plunger to prevent poor sealing.

Identification of countermeasure belt tensioner

The color of the paint dot on the pulley bolt was changed from "Blue" to "Green" (see Figure 1)
Lot number of belt tensioner: 020402 and after.

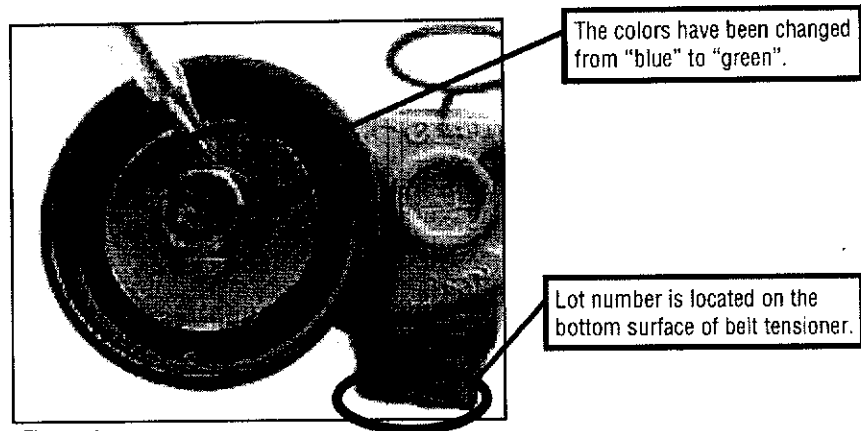


Figure 1

REPAIR PROCEDURES/INFORMATION

Identify if noise is coming from the timing belt tensioner or tensioner bracket when the engine is cold.

- (1) With the hood raised, listen carefully where the noise is coming from. If the noise can be heard from around the timing belt cover area, there is a possibility that the noise is coming from the timing belt tensioner.

- (2) Confirm if the noise is coming from the upper portion of the timing belt tensioner by using a stethoscope. If noise can be heard it's either coming from the tensioner or bracket. Inspect the belt tensioner; if the cylinder body of the timing belt tensioner has a notch from wear (see Figure 2) the tensioner will need to be replaced.

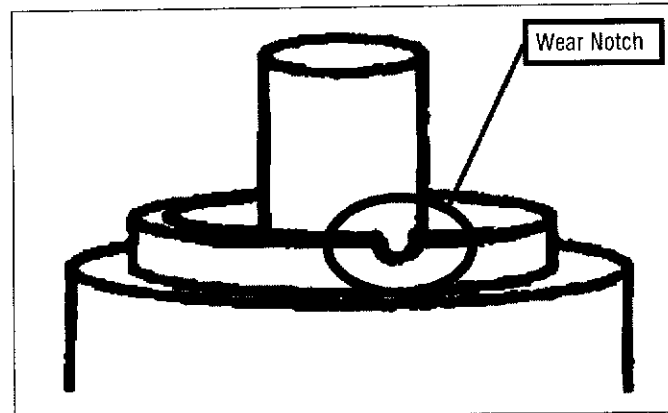


Figure 2

- (3) If the engine number is 572570 for SOHC or 572928 for DOHC and after, replace the timing belt tensioner bracket.
- (4) If the engine number is 572570 for SOHC or 572928 for DOHC and before, check to see if the cylinder body of the timing belt tensioner has a wear notch. If so, replace the timing belt tensioner. If the cylinder body of the timing belt tensioner does not have a wear notch, replace the timing belt tensioner bracket.