

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




## SERVICE BULLETIN

**APPLICABILITY:** 2004~2005MY Impreza WRX Vehicles      **NUMBER:** 03-55-05  
**SUBJECT:** Countermeasure to Eliminate Noise from      **DATE:** 04/29/05  
 the Rear Differential Area

### INTRODUCTION

A countermeasure has been made to address noise coming from the rear differential area. The noise may make a high frequency "Hoo" (Harmonic) noise and is most noticeable with little to no throttle application (coasting or deceleration). The peak of the noise occurs at 63mph (100km/h). The noise may occur in any gear or engine speed; however it is most noticeable in 4th gear (4EAT equipped) or 5th gear (5MT equipped). Dynamic dampers were added to the rear differential member to eliminate the noise. If you encounter a customer complaint prior to the countermeasure, follow the procedure on page 2.

### PRODUCTION LINE CHANGE

The countermeasure was used in production starting in April, 2004 with the following VINs.

MODEL	VIN #
Sedan	5*505431
Wagon	5*802185

### PARTS INFORMATION

PART NAME	QUANTITY	PART NUMBER
Differential Member	1	41310FE040
Dynamic damper	2	41322AC050
Self locking nut	2	023508000



**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.



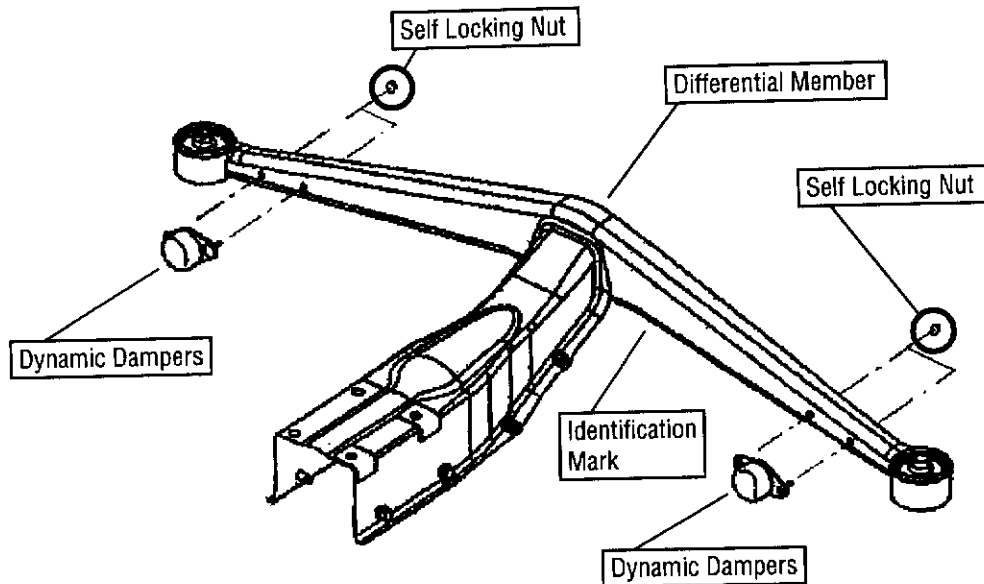
## REPAIR PROCEDURES/INFORMATION

**NOTE:** There is an identifier on the rear differential member. The earlier style is identified (marked white paint) with an "E", the newer style is identified with a "D".

Remove the rear differential member according to the procedure listed in the applicable Subaru Service Manual.

Install dynamic dampers to the new style rear differential member (pre-drilled) using self locking nuts and torque to  $20 + 5$  N-m ( $2.0 + 0.5$  kgf-m,  $14.5 + 4$  ft-lb) (See Figure below).

Reinstall rear differential member according to the procedure listed in the applicable Subaru Service Manual.



## CLAIM REIMBURSEMENT/WARRANTY INFORMATION

For vehicles within the Basic New Car Limited Warranty period, this repair may be claimed using:

LABOR DESCRIPTION	OPERATION #	FAIL CODE	LABOR TIME
Rear Differential Member, R&R	A372-401	KBY-48	1.3