

**ATTENTION:**  
 GENERAL MANAGER   
 PARTS MANAGER   
 CLAIMS PERSONNEL   
 SERVICE MANAGER

IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.




QUALITY DRIVEN<sup>®</sup> SERVICE

**SERVICE BULLETIN**

**APPLICABILITY:** 2013MY BRZ

**NUMBER:** 09-54-12

**SUBJECT:** High-Pitched "Chirp", "Squeak" or "Cricket" Sound from the Engine

**DATE:** 10/03/12

**INTRODUCTION**

The purpose of this bulletin is to provide information regarding a high-pitched "chirp", "squeak" or "cricket" sound you may hear coming from the engine's high-pressure fuel pump. **Not all pumps may exhibit this sound.** It is a result of the positioning of the plunger stopper inside the high-pressure pump. Some may have a plunger stopper position that when combined with certain fuel temperatures or fuel formulations, may result in aeration of the fuel within the body of the pump causing this sound when the engine is idling. **This result is non-detrimental to the fuel system or engine.** Not all pumps will exhibit this condition. A production change was made to consistently orient the position of the plunger stopper during assembly thus eliminating the source of the sound. Once the chirping sound has been confirmed, the high-pressure pump assembly must be replaced to remedy the condition.

**IMPORTANT:** A "clack" or mechanical "ticking" sound may also be heard as part of the operation of the high-pressure fuel pump which is considered to be a normal operating characteristic. No attempt should be made to repair it.

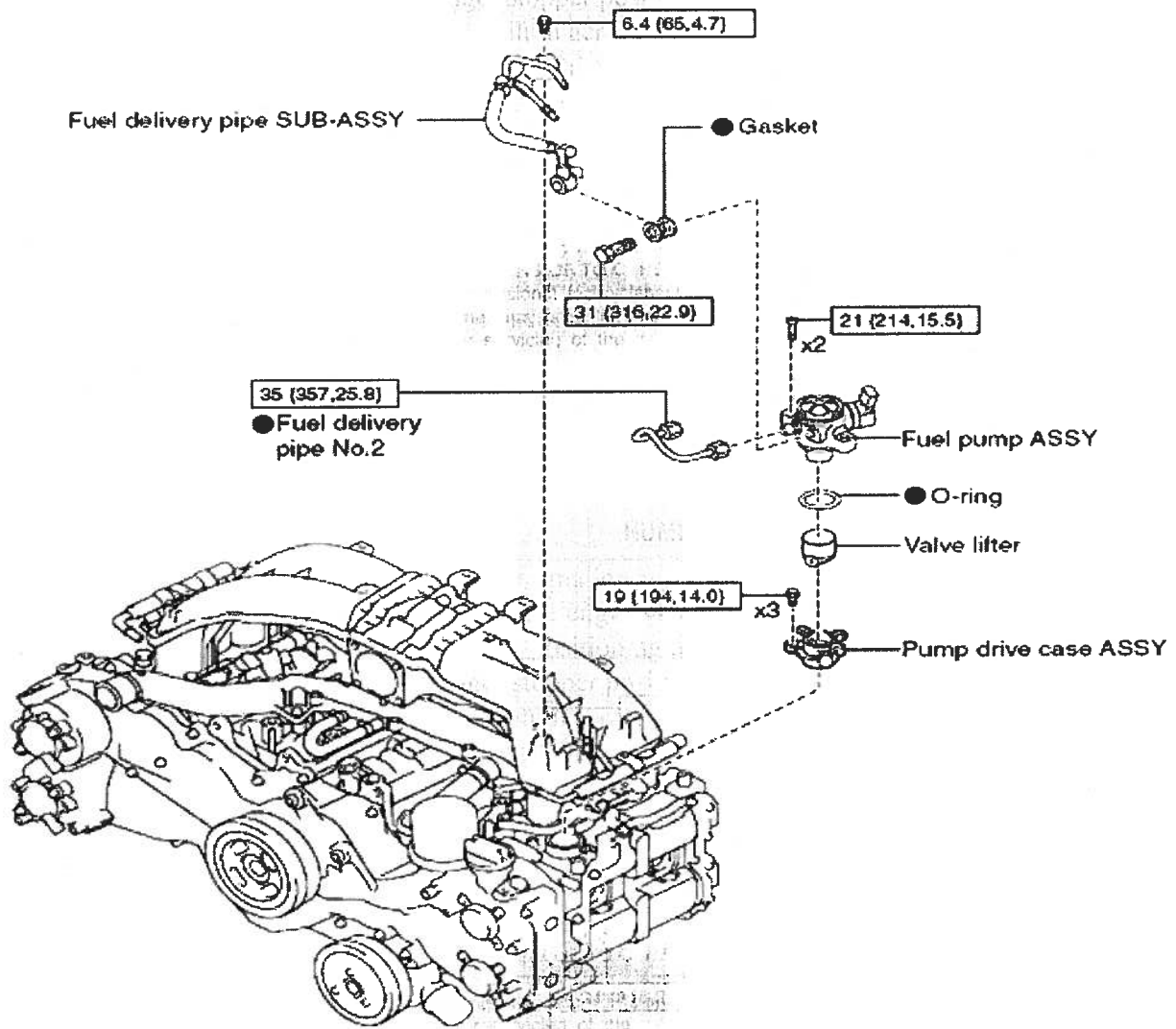
**COUNTERMEASURE IN PRODUCTION**

COUNTERMEASURE	VIN NUMBER	ENGINE NUMBER	PRODUCTION DATE
Control orientation of plunger stopper in the high-pressure fuel pump	D*603383	844658	7/27/2012

*Continued...*

<p><b>CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.</b></p> <p>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.</p>	<p><b>SUBARU OF AMERICA, INC. IS "ISO 14001 COMPLIANT"</b></p> <p>The international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.</p>
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## PART INFORMATION



**N•m (kgf•cm, ft•lbf)** : Specified torque

● Non-reusable parts

### NOTES:

- Items indicated in the exploded view with a ● are “non-reusable” and **MUST** be replaced.
- The o-ring is included with the fuel pump assembly.
- Part numbers and quantity required to complete the procedure are listed below.

*Continued...*

## PART INFORMATION (continued)

PART NUMBER	DESCRIPTION	QUANTITY
16625JB000	Fuel Pump Assembly	1
17540AA340	Pipe Assy. Fuel Delivery (No. 2)	1
17555AA040	Gasket, Fuel Pipe	2
14035AA610	Gasket, Intake Manifold	2
16175AA420	Gasket, Throttle Chamber	1

## SERVICE PROCEDURE

Road test the vehicle at least 10 minutes to be sure it is up to operating temperature. Once the sound has been confirmed, follow the precautions and procedures in the applicable Service Manual for replacing the high-pressure fuel pump.

The required tool for BRZ high-pressure fuel pump removal / installation is: Socket Driver, Snap-On Tools stock# **FTX40TPE**, **TORX® Plus**, size **40 IP**, length: **1¾"** (see July 2012 TIPS).

**IMPORTANT:** Always follow the tightening torque specifications as indicated in the applicable Service Manual (and the exploded view diagram on pg. 2) during re-assembly.

## WARRANTY / CLAIM INFORMATION

For vehicles within warranty, refer to the Subaru Warranty Wizard® for claim submission information.