

ATTENTION:

- GENERAL MANAGER
- PARTS MANAGER
- CLAIMS PERSONNEL
- SERVICE MANAGER

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



QUALITY DRIVEN® SERVICE

SERVICE BULLETIN

APPLICABILITY: 2013-14MY BRZ

NUMBER: 09-54-12R

SUBJECT: High-Pitched “Chirp,” “Squeak” or “Cricket”
Sound from the Engine

DATE: 10/03/12

REVISED: 04/15/14

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 condition.** Some may have internal components which in combination with certain fuel temperatures or fuel formulations, may result in aeration of the fuel within the body of the pump and cause this sound when the engine is idling. **This result is non-detrimental to the fuel system or engine.**

A series of production changes have been made to the high-pressure fuel pump to reduce the occurrence of the sound which include:

- a change to an internal fuel passage
- a change to the shape of the plunger stopper
- a change to the pulsation dampener assembly

Once the sound has been confirmed, the high-pressure fuel 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	PRODUCTION DATE
1) Increase of clearance for sub-chamber fuel passage	E*601536	Mid-September, 2013
2) Shape change of plunger stopper		
3) Change to the pulsation dampener assembly		

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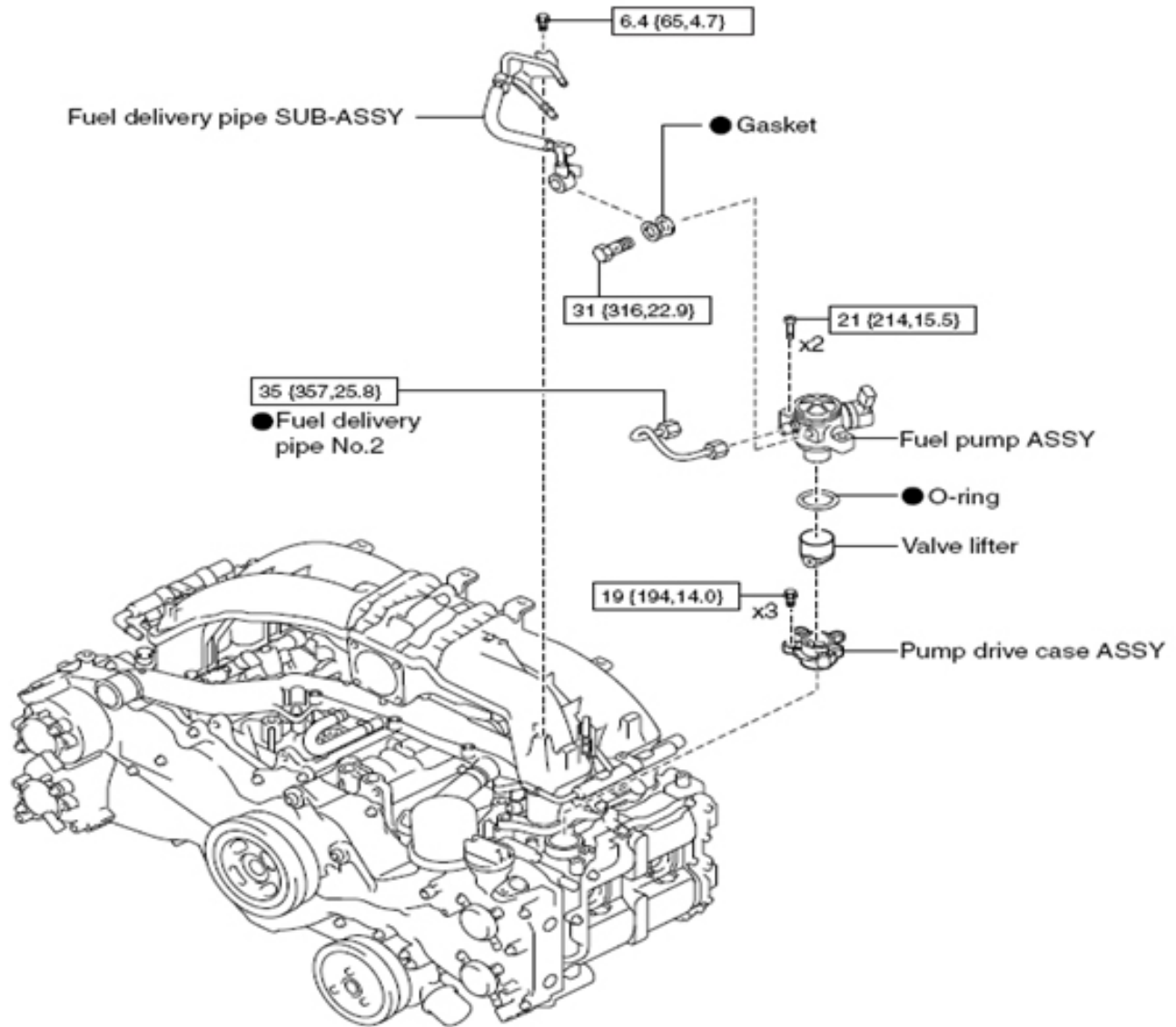
CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

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.

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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.

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.

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PART INFORMATION (continued)

PART NUMBER	DESCRIPTION	QUANTITY
16625JB010	Fuel Pump Assembly	1
17540AA340	Pipe Assy. Fuel Delivery (No. 2)	1
17555AA040	Gasket, Fuel Pipe	1
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 the Basic New Car Limited Warranty period, this repair may be claimed using the following information:

LABOR DESCRIPTION	LABOR OPERATION #	FAIL CODE	LABOR TIME
High-Pressure Fuel Pump R&R	A442-186	DGC-25	1.0