

- ATTENTION:**
- GENERAL MANAGER
  - PARTS MANAGER
  - CLAIMS PERSONNEL
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IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.


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QUALITY DRIVEN® SERVICE

## SERVICE BULLETIN

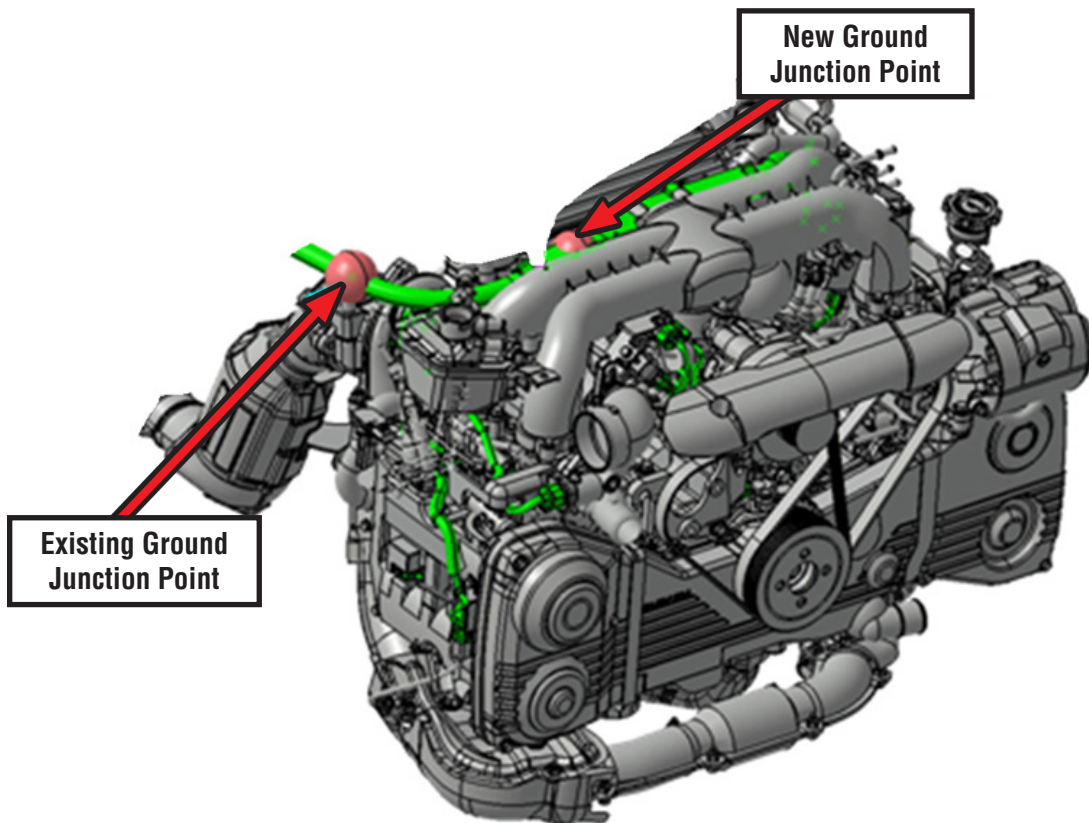
**APPLICABILITY:** 2012-14MY WRX Models (EXCEPT STI)  
2012-13MY Forester Turbo

**NUMBER:** 07-96-15  
**DATE:** 08/10/15

**SUBJECT:** Design Change to Engine Wiring Harness

### INTRODUCTION

This Service Information bulletin reviews a design change to the engine wiring harness to eliminate improper diagnosis of the Evaporative Leak Check Module (ELCM) by the ECM which could set Diagnostic Trouble Code (DTC) P0451 in error. Some examples of other DTCs affected by this harness change are: P0068, P0452, P0453, P0107, P0108 and P0300. The change involves a repositioning of the sensor and actuator wiring ground junction point to a location unaffected by engine movement and high temperatures (near turbocharger) which may develop excessive resistance. Since this condition develops over time, DTC(s) may set very intermittently with long periods of time between occurrences. A more frequent occurrence of any of these DTC(s) may indicate a different root cause other than the condition described in this bulletin.



*Continued...*

**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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## PART INFORMATION

DESCRIPTION	PART NUMBER	APPLICABILITY
HARNESS-ENGINE	24020AF071	2012MY WRX & Forester Turbo
	24020AF531	2013-14MY WRX & Forester Turbo

**NOTE:** Although 2012MY Forester models are not equipped with the ELCM, this revised part number information remains applicable.

## SERVICE PROCEDURE / INFORMATION

- Always follow the diagnostic procedure in the applicable Service Manual for the DTC(s) being diagnosed. The example DTCs listed in the Introduction section all involve components and sensors located on or near the intake manifold (e.g. intake manifold pressure sensor). They all supply ECM inputs and utilize the referenced common ground point. Any increase in resistance to ground can have significant effect on these sensor outputs to the ECM and cause DTC(s) to set.
- When replacing the engine wiring harness, the service procedure remains unchanged.

**REMINDER:** SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.

**Always refer to STIS for the latest service information before performing any repairs.**