

ATTENTION:
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PARTS MANAGER ☐
CLAIMS PERSONNEL ☐
SERVICE MANAGER ☐

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QUALITY DRIVEN® SERVICE

SERVICE BULLETIN

APPLICABILITY: 2015-**2018MY** Legacy and Outback

NUMBER: **02-171-18R**

SUBJECT: DTC P0072 / Additional Insulation for Ambient Air Temperature Sensor

DATE: 07-13-18

REVISED: 07-26-18

INTRODUCTION:

This bulletin provides a service procedure for installation of additional foam packing to enhance **performance of the Ambient Air Temperature Sensor**. The additional foam better insulates the sensor from engine compartment heat which may lead to setting a DTC P0072. **This information is applicable to models with or without the Active Grill Shutter (AGS) system.**

PRODUCTION CHANGE INFORMATION:

The additional insulation was incorporated into production starting with the following VINS:

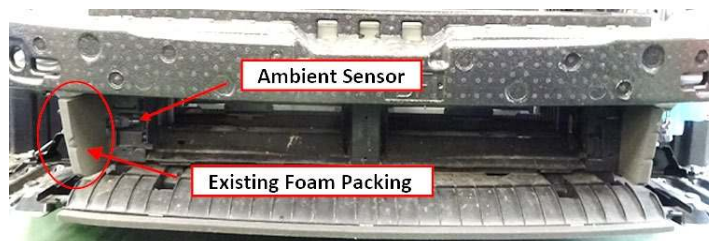
- **Legacy: J3030844**
- **Outback: J3304569**

PART INFORMATION:

The part number for the additional foam packing is: **52829AL000**. The kit consists of 1 piece of self-adhesive foam to be applied to the existing foam. In addition to this piece of foam, a small piece of self-adhesive foam tape (available in rolls from any hardware store or home improvement retailer) approximately 6" long and 1/8" thick will be required to complete **Step 5** below.

SERVICE PROCEDURE / INFORMATION:

Step 1: Remove the front bumper fascia assembly to access the ambient air temperature sensor following the procedure in the applicable Service Manual. The sensor is located on the passenger side near the end of the **lower grill opening as shown below.**



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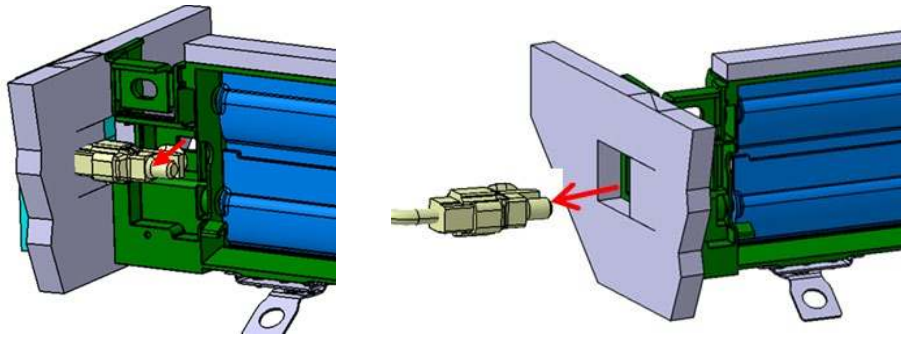
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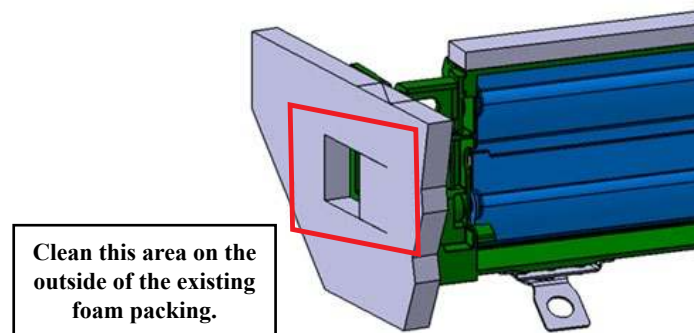
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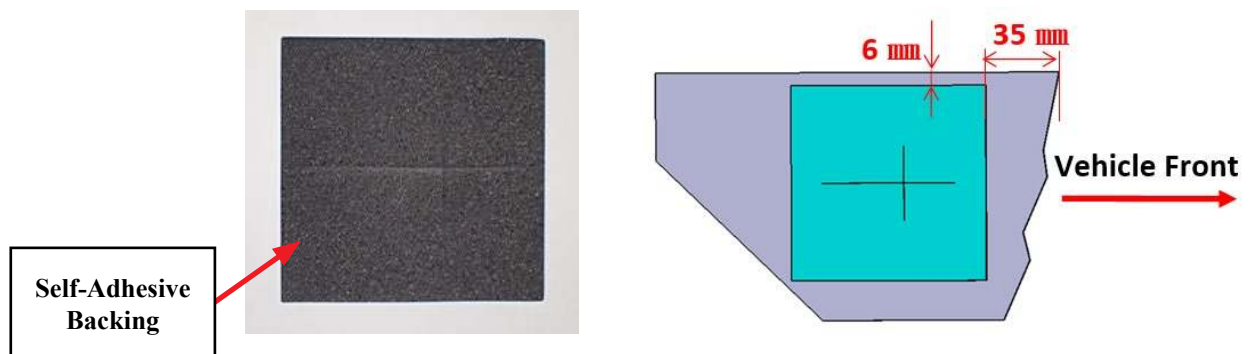
Step 2: **CAREFULLY** release the sensor's retaining clip and feed the ambient sensor (without disconnecting it from the harness) back through the existing foam packing.



Step 3: Using window cleaner applied to a clean shop cloth, clean any dirt from the outside facing surface of the existing foam packing. **IMPORTANT:** The existing foam must be completely dry before proceeding to **Step 4**.

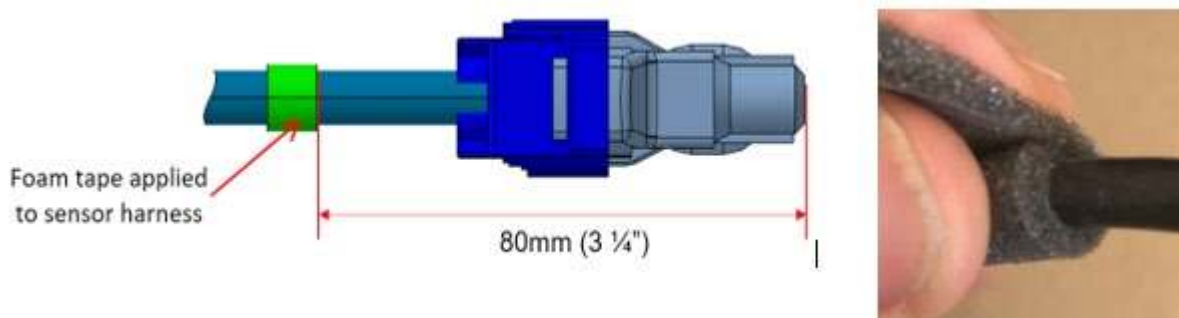


Step 4: Prepare the new (additional) self-adhesive foam packing. There are 2 cuts in the new part as shown. **IMPORTANT:** The vertical cut must be positioned toward the front of the vehicle and the intersection point of the cuts aligned with the hole in the existing foam packing. Use a permanent marker to make some alignment marks for positioning the new foam using the dimensions shown on the illustration below as a guide. Peel the backing and apply the new foam to the existing foam packing. Press your finger along the foam while supporting it from the other side where the adhesive backing is to ensure it is fully seated against the existing foam.

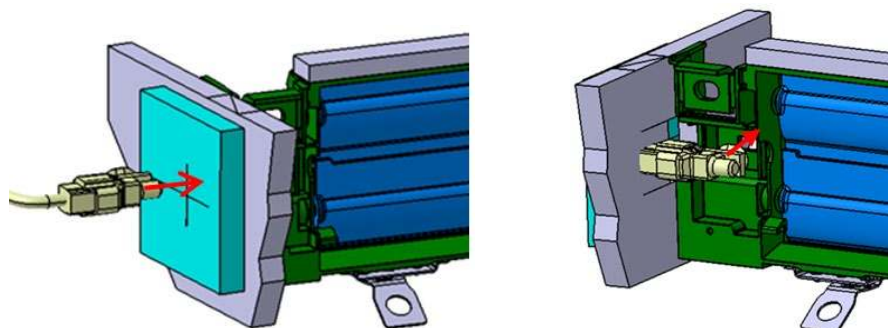


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Step 5: Using the illustration below for reference and with window cleaner applied to a clean shop cloth, clean the sensor wiring harness in the area where the additional piece of foam tape will be applied. After thoroughly drying the area, peel the backing and wrap the piece of foam tape around the harness and itself until **at least** a 5mm thickness is achieved. This extra foam tape will provide an additional means for securing the new foam applied in **Step 4** in position against the existing piece.



Step 6: Push the ambient sensor / harness connector back through the new and existing foam then secure in place with the retaining clip.



Step 7: Refit the front bumper fascia assembly in reverse order of removal.

Step 8: Connect SSM and clear the memory to complete the procedure.

WARRANTY / CLAIM INFORMATION:

For vehicles within the Basic New Car Limited Warranty period or covered by an active Subaru Added Security Gold plan, this repair may be submitted using the following claim information:

Labor Description	Labor Operation #	Labor Time	Fail Code
AGS ADDITIONAL FOAM INSTALLATION FOR P0072, INCLUDES: DTC INSPECTION AND MEMORY CLEAR	A840-201	0.7	FCQ-42

NOTE: Up to \$1.00 can be claimed in Sublet to cover the cost of the additional foam tape used in **Step 5**.

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IMPORTANT REMINDERS:

- 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 check for any open recalls or campaigns anytime a vehicle is in for servicing.
- Always refer to STIS for the latest service information before performing any repairs.