

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

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

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QUALITY DRIVEN® SERVICE

SERVICE PROCEDURE

APPLICABILITY: 2017MY Impreza Models with Manual A/C ONLY **NUMBER:** 15-210-17
SUBJECT: Cruise Control Light Flashing **DATE:** 07/12/17
Possible Cancel Code 61

INTRODUCTION:

This bulletin provides a service procedure for replacement of the A/C compressor clutch stator. A sudden voltage surge caused by A/C compressor clutch engagement can damage the stop lamp switch internal components. When the ECM detects the damaged stop lamp switch, the cruise control becomes inoperative and the cruise control indicator lamp flashes in the combination meter display. In some cases, a Cancel Code 61 may also be stored in memory.



PRODUCTION CHANGE INFORMATION:

The new stators were incorporated into production starting with the following VINs:

Vehicle / Model	Starting VIN
4-Door	H*622784
5-Door	H*743220

PART INFORMATION:

Description	Part Number
73192FL000	STATOR KIT
83311AL00A	SWITCH STOP LAMP

A stop lamp switch, part number **83311AL00A** must also be ordered through normal parts channels and installed **AFTER** the stator replacement. See **Step 13** below.

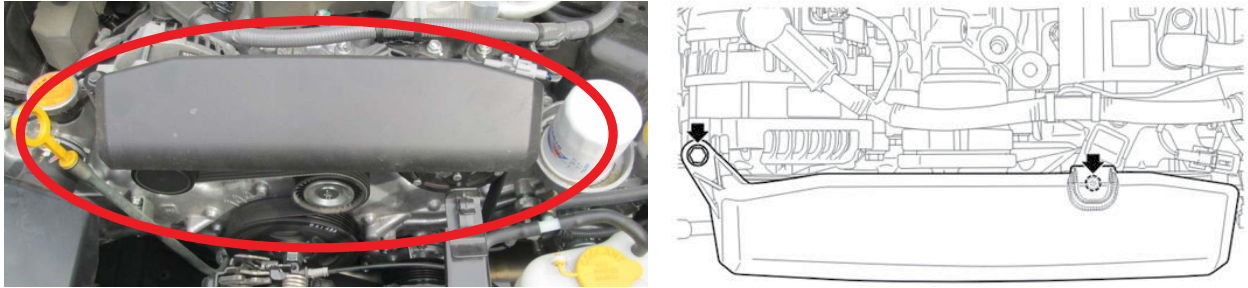
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<p>CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.</p> <p>Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians 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>SUBARU OF AMERICA, INC. IS ISO 14001 COMPLIANT</p> <p>ISO 14001 is 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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SERVICE PROCEDURE / INFORMATION:

Step 1: Record the customer radio station presets (and navigation favorites where applicable and disconnect the negative (-) terminal from the battery).

Step 2: **CAREFULLY** remove the plastic drive belt cover to gain access.



Step 3: Using a 17mm wrench, **CAREFULLY** release the tension on the drive belt and remove it from the A/C clutch.



Step 4: Remove the Philips screw securing the ground wire and harness retaining eyelet. Disconnect the A/C clutch harness connector.

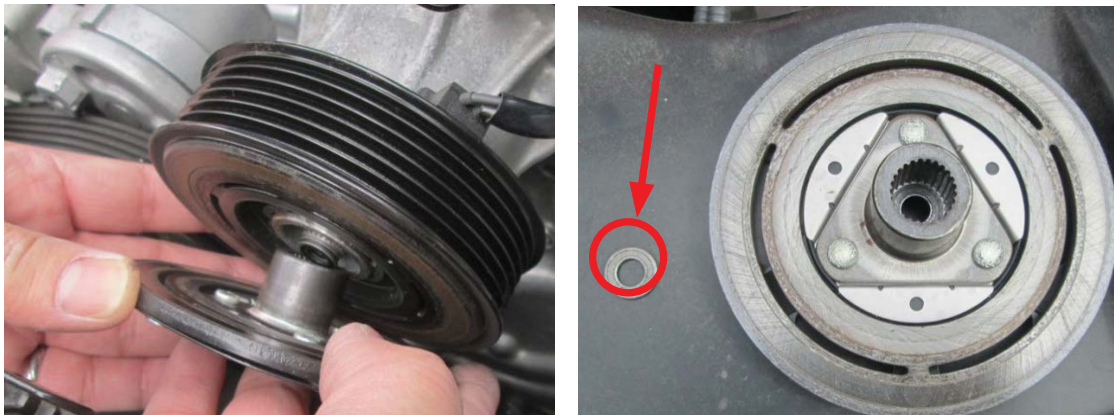


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Step 5: By **CAREFULLY** using a readily-available pair of oil filter pliers to hold / keep the clutch from turning along with a ratchet and 10mm socket, remove the hex bolt. **NOTE:** The bolt only has about 10 ft. lbs. of torque on it. Be careful to not use excessive grip strength when holding the front plate with the pliers which could mar the outside edge.



VERY IMPORTANT: Be careful not to damage the front plate or lose the small flat washer located inside the splined hub portion while **CAREFULLY** removing it as shown below. This flat washer is actually a selective shim used to set the air gap between the front plate and the clutch pulley. **NOT ALL COMPRESSORS WILL HAVE THIS SHIM INSTALLED.** The washer / shim is **NOT a serviceable part** therefore, always insure proper precautions are taken to make sure it is not lost.

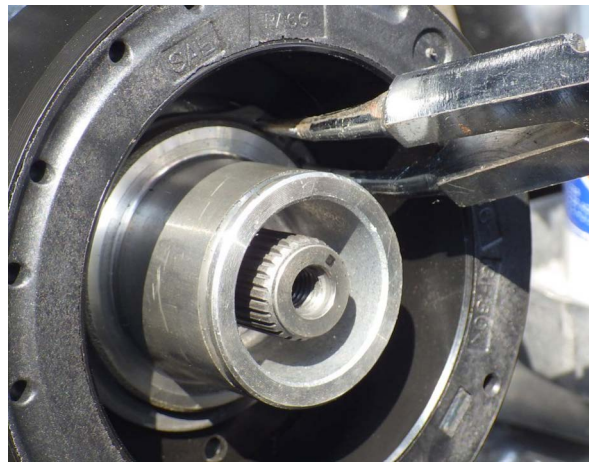


Step 6: Use an external snap ring plier to remove the outer snap ring. A curved type as shown below works the best and provides extra clearance around the prop rod retaining clip bracket. **REMINDER:** Always wear eye protection whenever working with snap rings.

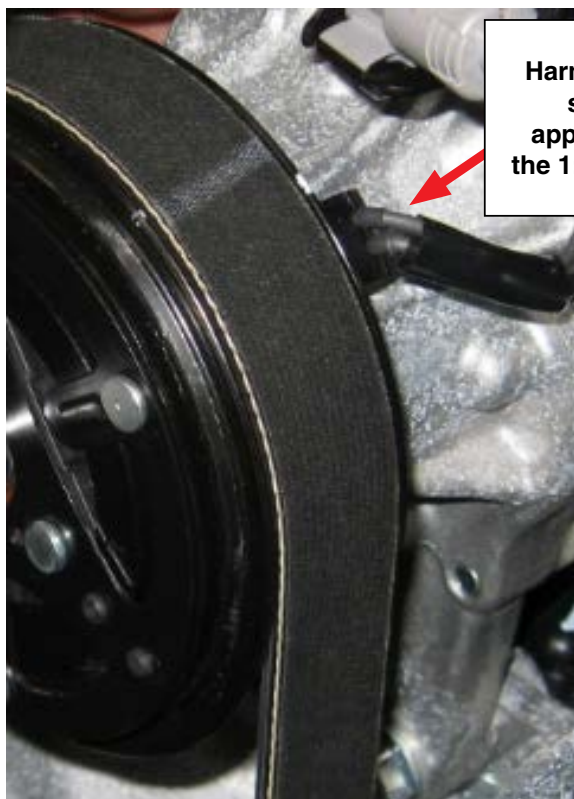


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Step 7: Once the outer snap ring is removed, use the same tool to remove the inner snap ring.



Step 8: After removing the inner snap ring and noting the orientation (wiring harness enters the stator at about the 1:00 position) for reference at reassembly, slide the original stator forward and off the compressor.

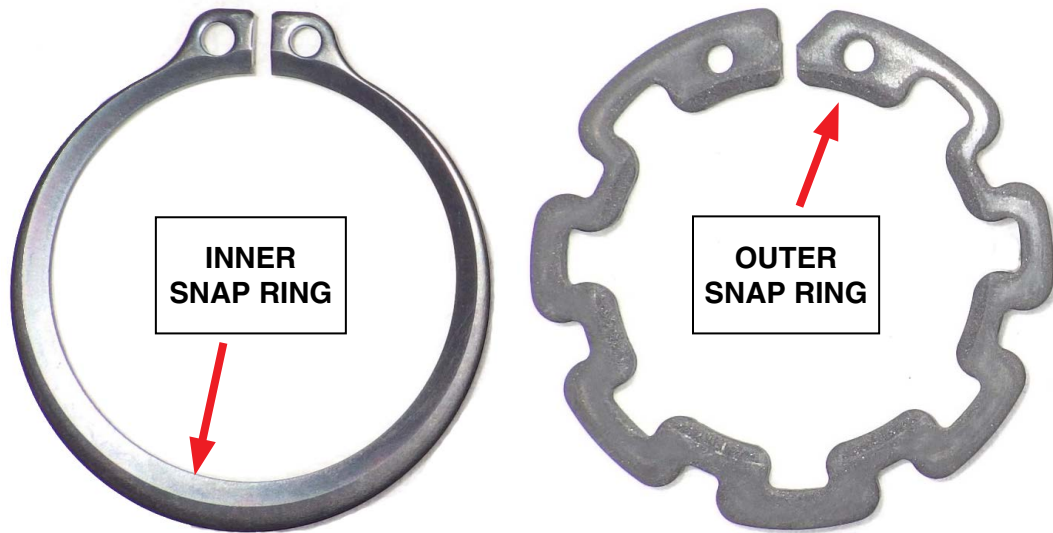


Harness enters stator at approximately the 1:00 position.

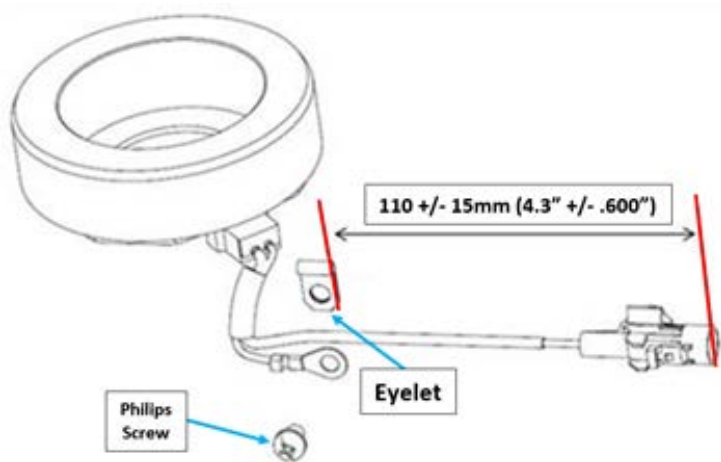


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Step 9: Inspect the new snap rings and identify the “beveled” side of each as shown below. **IMPORTANT:** The beveled inside edge of both snap rings must always face front when reassembling the clutch.



Step 10: **CAREFULLY** spread (only as much as is necessary) and remove the metal retaining eyelet from the original harness and transfer it over to the new stator assembly as shown in the illustration below.



Step 11: Slide the new stator assembly into position on the compressor. Be sure to position the harness in the 1:00 position as was shown above. Hold the stator in position while **CAREFULLY** securing it using a NEW inner snap ring from the kit. **REMINDER:** These snap rings are one-time use items and must never be reused when performing this procedure.

Step 12: VERY IMPORTANT: Before reinstalling the front plate, the small flat washer / shim (if equipped / identified at disassembly) **MUST** be put back inside the splined hub portion. If there is no air gap visible between the front plate and the pulley face, the washer / shim has not been reinstalled.

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Step 13: Replace and re-adjust the stop lamp switch assembly following the procedure in the applicable Service Manual. **REMINDER:** This must be done **AFTER** stator replacement.

Step 14: The remainder of this service procedure is performed in reverse order of disassembly.

IMPORTANT NOTES:

- While holding the front of the clutch, torque the 10mm hex nut to 9.75 ft. lbs. (13.2 Nm or 117 inch-pounds).
- Reconnect the A/C clutch wiring harness connector and secure the ground wire eye terminal and harness retaining eyelet to the compressor with the Philips screw as shown in the photo to the right. Always confirm proper belt alignment **BEFORE** restarting the engine.



Step 15: Reconnect the negative battery cable, start the engine and verify:

- Normal A/C operation
- Cruise lamp is no longer flashing
- Press the Cruise button and confirm the indicator illuminates properly
- If a Cancel Code 61 remains stored in memory, diagnose and repair the code as per the procedure outlined in the applicable Service Manual.

Step 16: Reset the customer’s radio station presets (and navigation favorites where applicable) 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 Classic or Gold plan, this repair may be submitted using the following claim information:

Labor Description	Labor Operation #	Labor Time	Fail Code
COMPRESSOR CLUTCH / and STOP LAMP SWITCH	A015-141	0.7	CSL-42

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.

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