

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: 2013MY Legacy, Outback and Tribeca
 Models Equipped with 5AT Transmission
 Low Mileage Vehicles (6000 or less)

NUMBER: 16-86-12

DATE: 12/11/12

SUBJECT: Reprogramming for Illumination of
 AT Oil Temperature Warning Lamp

INTRODUCTION

This Service Bulletin announces TCM reprogramming file availability to address a concern of the AT Oil Temperature lamp coming on accompanied by any of the following DTCs stored in memory: P0751, P0756, P0761, P0766, P0771, P1840, P1841, P1842, P1843 and / or P1844.

COUNTERMEASURE IN PRODUCTION

New TCM logic was incorporated into production mid-November, 2012 starting with the following VINs:

Model	Starting VIN Number
Legacy	D*023547
Outback	D*255886
Tribeca	D*400781

PACK FILE APPLICABILITY

MODEL	PAK FILE NAME	NEW TCM PART NUMBER	OLD TCM PART NUMBERS
Legacy	30919AA074.pak	30919AA074	30919AA070 30919AA071 30919AA072 30919AA073
Outback	30919AA084.pak	30919AA084	30919AA080 30919AA081 30919AA082 30919AA083
Tribeca	30919AB193.pak	30919AB193	30919AB190 30919AB191 30919AB192

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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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.

SERVICE PROCEDURE / INFORMATION

IMPORTANT: Be sure to confirm the latest SSMIII software version number, 1.35.49.27 dated Nov. 2012 (or newer) has been installed before attempting to perform this procedure.

1. Reprogram the TCM using the applicable PAK file.
2. Follow the procedure shown below (and outlined in Service Bulletin **16-80-11R**) for flushing the transmission fluid and performing the Dynamic Check Mode.

NOTE: TCM memory must be cleared prior to performing the following procedures.

Transmission Flush Procedure

- 1.) Remove the ATF drain plug and drain ATF.
- 2.) Remove the oil pan and thoroughly clean (including the magnet) then reinstall following the steps in the applicable Service Manual.
- 3.) Refill ATF to correct level.

Dynamic Check Mode

- 1.) Raise vehicle on lift.

CAUTION: Be sure to keep the tires 30cm (12 inches) or more off the ground as the vehicle will vibrate on the lift during the following procedure.

- 2.) Depress the brake pedal and start the engine (**keep pressing the brake pedal until Step 5**) then press VDC OFF switch to deactivate VDC.
- 3.) Move the transmission select lever to the "D" position and increase the engine speed to 1,000 rpm by pressing the accelerator pedal. Hold engine at 1000 rpm for two minutes.
- 4.) Release accelerator pedal, then move the select lever to the "N" position for two seconds, then back into the "D" position for two seconds, repeat (N to D) five times.

The following steps need to be performed in Manual mode using the paddle shift switches.

- 5.) Move the select lever to the "M" position (Manual mode). Shift up to 2nd using the paddle shift switch (keep in 2nd for two seconds) then shift down to 1st using the paddle shift switch (keep in 1st for two seconds) repeat (2nd to 1st) five times.
- 6.) Release the brake pedal then accelerate gently to 40 mph by shifting into 3rd using the paddle shift switch.
- 7.) Keep at 40 mph, then shift up to 4th gear for two seconds then shift down to 3rd gear for two seconds; repeat (4th to 3rd) five times.
- 8.) Accelerate gently to 50 mph by shifting into 5th gear using the paddle shift switch.
- 9.) Keep at 50 mph, then shift down to 4th gear for five seconds then shift into 5th gear for five seconds; repeat (4th to 5th) five times.
- 10.) Decrease the vehicle speed by easing off the accelerator pedal (do not apply the brake pedal). Keep in each gear for five seconds (4th gear, 5 sec., approximate speed 40 mph) -> (3rd gear, 5 sec., approximate speed 30 mph) -> (2nd gear, 5 sec., approximate speed 20 mph) -> (1st, 5 sec., approximate speed 10 mph).
- 11.) Depress the brake pedal to stop the tires from rotating completely. Move the select lever to the "P" position (this completes the Dynamic check mode).
- 12.) Check for trouble code(s) using the SSMIII. If codes are stored, clear TCM memory again. The Dynamic Check Mode may store trouble codes due to variation of the wheel speeds.

- 3 If the symptom is not corrected after performing the transmission flush and Dynamic Check Mode procedures, the valve body will need to be replaced following the steps in the applicable Service Manual.

SERVICE PROCEDURE / INFORMATION

For vehicles under warranty, this repair can be claimed using the applicable coding below.

LABOR DESCRIPTION	LABOR OPERATION #	FAIL CODE	LABOR TIME
TSB 2013 5AT TCM Reprogramming & ATF Flush	B860-780	MCY-22	1.2
Valve Body Replacement for Service Bulletin 16-86-12	C860-781		1.1