

- 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 BULLETIN

**APPLICABILITY:** 2013-14MY Impreza 2.0L NA Models  
 2013-14MY XV Crosstrek, Including Hybrid Model (HEV)

**NUMBER:** 11-149-14R  
**DATE:** 11/06/14  
**REVISED:** 12/10/14

**SUBJECT:** Reprogramming File Availability for Oil Level Detection

### INTRODUCTION

This bulletin announces the availability of reprogramming files and a revised oil level switch to optimize the ECM logic for engine oil level detection in the event of false or premature low engine oil level warning lamp illumination. Should a customer present a concern with a low engine oil warning lamp illumination and the diagnosis indicate the oil level is full or nearly full (oil level between the full and add marks/holes on the dipstick) and the customer has not added any engine oil, the ECM must be updated with this new logic and the oil level switch replaced. The new oil level switch part number supplied in this bulletin must be used. If the customer has added oil, determine how much was added. Based upon the information provided, estimate where the oil level was when the lamp illuminated in order to determine if additional action is required beyond what is described in this bulletin such as an oil consumption test. The ECM must still be updated with this new logic and the oil level switch replaced. The new oil level switch part number supplied in this bulletin must be used.

### COUNTERMEASURE IN PRODUCTION

The new ECM logic was incorporated into production according to the table below:

MODEL	STARTING VIN	PRODUCTION DATE CHANGE
Impreza 2.0L	E*026663	September 5, 2014
XV Crosstrek	E*337542	September 5, 2014

### PART INFORMATION

PART NUMBER	DESCRIPTION
11136AA140	Oil Level Switch

*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.

**SUBARU OF AMERICA, INC. IS ISO 14001 COMPLIANT**

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.

**PACK FILE APPLICABILITY**

MODEL YEAR/ MODEL	TRANSMISSION	PAK FILE NAME	NEW ECM PART NUMBER	OLD ECM PART NUMBERS	EMISSION SPEC.	NEW CID NUMBER
2012MY IMPREZA 2.0L NA	MT	22765AC366.pak	22765AC366	22765AAC360, 61, 62, 63, 64 & 65	FED	EP5G901C
	CVT	22765AC385.pak	22765AC385	22765AC380, 81, 82, 83, 84		EP5G602D
	MT	22765AC406.pak	22765AC406	22765AC400, 01, 02, 03, 04, & 05	CAL	EP5G901A
	CVT	22765AC425.pak	22765AC425	22765AC420, 21, 22, 23 & 24		EP5G602B
2013MY IMPREZA 2.0L NA	MT	22765AE733.pak	22765AE733	22765AE730, 31 & 32	FED	EP5I800H
	CVT	22765AE743.pak	22765AE743	22765AE740, 41 & 42		EP5I800I
	MT	22765AE753.pak	22765AE753	22765AE750, 51 & 52	CAL	EP5I800F
	CVT	22765AE763.pak	22765AE763	22765AE760, 61 & 62		EP5I800G
2013MY XV CROSSTREK 2.0L NA	MT	22765AE843.pak	22765AE843	22765AE840, 41 & 42	FED	EP5I800C
	CVT	22765AE853.pak	22765AE853	22765AE850, 51 & 52		EP5I800D
	MT	22765AE863.pak	22765AE863	22765AE860, 61 & 62	CAL	EP5I800A
	CVT	22765AE873.pak	22765AE873	22765AE870, 71 & 72		EP5I800B
2014MY IMPREZA 2.0L NA	MT	22765AG001.pak	22765AG001	22765AG000	FED	EP5L001H
	CVT	22765AG011.pak	22765AG011	22765AG010		EP5L001I
	MT	22765AG021.pak	22765AG021	22765AG020	CAL	EP5L001F
	CVT	22765AG031.pak	22765AG031	22765AG030		EP5L001G
2014MY XV CROSSTREK 2.0L NA	MT	22765AG081.pak	22765AG081	22765AG080	FED	EP5L001C
	CVT	22765AG091.pak	22765AG091	22765AG090		EP5L001D
	MT	22765AG101.pak	22765AG101	22765AG100	CAL	EP5L001A
	CVT	22765AG111.pak	22765AG111	22765AG110		EP5L001B
2014MY XV CROSSTREK 2.0L HYBRID	CVT	22765AE632.pak	22765AE632	22765AE631		EM2F401E

## SERVICE PROCEDURE / INFORMATION

**Step 1-** Reprogram the ECM using the applicable pack file from the table above.

### NOTES:

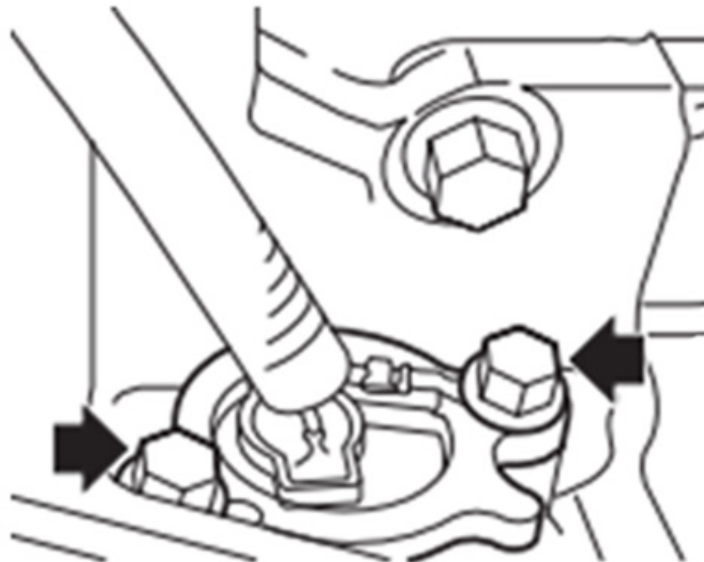
SOA now highly recommends connecting the Midtronics GR8 Diagnostic Battery Charger to the vehicle and utilizing the Power Supply Mode feature anytime a vehicle control module is being reprogrammed. Once the GR8 is connected to the vehicle, as long as the battery is fully charged, it takes less than 3 minutes to boot-up the charger, select the Power Supply Mode, and have the battery voltage stabilized and ready for reprogramming.

**VERY IMPORTANT:** This information is applicable to the Midtronics GR8 Diagnostic Battery Charger **ONLY**. It does not apply to any other brand / type of “generic” battery charger whatsoever. **ONLY** the GR8 and its Power Supply Mode feature has been tested and approved by Subaru of America, Inc. (SOA).

- If the GR8 indicates the vehicle’s battery must be charged, charge the battery using the GR8 before proceeding to reprogram the vehicle while using the Power Supply Mode.
- Control module failures as a result of battery discharge during reprogramming are not a matter for warranty. Should any DTCs reset after the reprogramming update is performed, diagnose per the procedure outlined in the applicable Service Manual.

**Step 2** - Always confirm any low oil level lamp false illumination is not a result of a poor electrical connection or grounding concern. Inspect the circuit following the diagnosis found in the applicable Service Manual to insure no other related concern exists.

**Step 3** - Once the ECM reprogramming has been completed and the oil level switch wiring has been confirmed to be OK, proceed with replacing the oil level switch assembly shown in the illustration below following the procedure outlined in the applicable Service Manual. Torque the 2 retaining bolts to 6.4 Nm (56 inch-pounds). Torque the 2 retaining bolts to 6.4 Nm (56 inch-pounds).



**Step 4** - Confirm the engine oil level has been restored to the FULL mark on the dipstick before releasing the vehicle.

## WARRANTY / CLAIM INFORMATION

For vehicles within the Basic New Car Limited and / or Emissions Warranty period, this repair may be submitted using the following claim information:

LABOR DESCRIPTION	LABOR OPERATION #	FAIL CODE	LABOR TIME
ECM Reprogramming & Diagnosis for False Warning Lamp Illumination	B455-278*	UST-48	0.9
Oil level Switch Replacement	C455-270		1.8

\*1 quart of motor oil (SOA635045) may be claimed with this labor operation when required.

**NOTE:** The pack file listings provided in this bulletin are the latest available at the time of publishing. Updates are often released thereafter without revision to the bulletin. For this reason, it is critical to always have the latest version of Select Monitor III software installed on your system. You can confirm if a later version is available by entering the CID listed in this bulletin into FlashWrite. If a newer CID is shown as available in FlashWrite, reprogram using that file.

**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.**