ATTENTION:
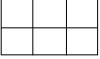
GENERAL MANAGER ☐
PARTS MANAGER ☐
CLAIMS PERSONNEL ☐
SERVICE MANAGER ☐

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

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SUBARU
QUALITY DRIVEN® SERVICE

SERVICE BULLETIN

APPLICABILITY:	2015-16MY Impreza
	2015-17MY Crosstrek
	2015-16MY Crosstrek Hybrid
	2016-18MY Forester 2.5L Models
SUBJECT:	DTC P0400-Reprogramming File Availability

NUMBER: 11-197-20
DATE: 02/11/20

INTRODUCTION:

This bulletin announces availability of reprogramming files to optimize the Engine Control Module (ECM). These new files address concerns of the check engine light coming on and setting a DTC P0400: EGR "A" FLOW. The DTC can set if the ECM tests the EGR system when ambient / intake air temperatures are below freezing.

PACK FILE APPLICABILITY:

Model	PAK File Name	New ECM Part Number	Old ECM Part Number	Decryption Keyword	New ECM CID Number
2015MY Impreza w/MT	22765AH183.pak	22765AH183	22765AH180, 181 & 182	160854B1	EA1T600C
2015MY Impreza w/CVT	22765AH193.pak	22765AH193	22765AH190, 191 & 192	E21F4B8F	EA17600A
2016MY Impreza w/MT	22765AH711.pak	22765AH711	22765AH710	FC9ADB6C	EA1U300C
2016MY Impreza w/CVT	22765AH721.pak	22765AH721	22765AH720	C36B9251	EA1U300A
2015MY Crosstrek w/MT	22765AH483.pak	22765AH483	22765AH480, 481 & 482	5E809A59	EA1T600D
2015MY Crosstrek w/CVT	22765AH493.pak	22765AH493	22765AH490, 491 & 492	8ABA974B	EA17600B
2016MY Crosstrek w/MT	22765AH741.pak	22765AH741	22765AH740	ECDD4A4C	EA1U300D
2016MY Crosstrek w/CVT	22765AH751.pak	22765AH751	22765AH750	8BA1C221	EA1U300B
2017MY Crosstrek w/MT	22765AK581.pak	22765AK581	22765AK580	FBAB1DB5	EA1Y200D
2017MY Crosstrek w/CVT	22765AK591.pak	22765AK591	22765AK590	1DF53C1D	EA1Y200B
2015MY Crosstrek Hybrid	22765AH501.pak	22765AH501	22765AH500	2825F990	EM2H200E
2016MY Crosstrek Hybrid	22765AH771.pak	22765AH771	22765AH770	A84F4D13	EM2J100E

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Model	PAK File Name	New ECM Part Number	Old ECM Part Number	Decryption Keyword	New ECM CID Number
2016MY Forester w/MT	22765AH284.pak	22765AH284	22765AH280, 281, 282 & 283	EB4A189C	EA1T500W
2016MY Forester w/CVT	22765AH294.pak	22765AH294	22765AH290, 291, 292 & 293	AB395CA2	EA1T500X
2017MY Forester w/MT	22765AH853.pak	22765AH853	22765AH850, 851 & 852	60EE147E	EB4L100W
2017MY Forester w/CVT	22765AH863.pak	22765AH863	22765AH860, 861 & 862	D69D26C6	EB4J340R
2018MY Forester w/MT	22765AL382.pak	22765AL382	22765AL380 & 381	AF3E69E1	EB4P020W
2018MY Forester w/CVT	22765AL392.pak	22765AL392	22765AL390 & 391	9BAB2FCC	EB4S200R

NOTE: These files are included in the January 2020 SSM software update.

SERVICE PROCEDURE:

REMINDER: Customer satisfaction and retention starts with performing quality repairs.

- Reprogram the ECM following the normal FlashWrite procedure.

SERVICE PROCEDURE / INFORMATION:

Subaru of America, Inc. (SOA) highly recommends connecting either the Subaru Midtronics DCA-8000 Dynamic Diagnostic Charging System or the Subaru Midtronics GR8-1100 Diagnostic Battery Charger to the vehicle and utilizing the Power Supply Mode feature anytime a vehicle control module is being reprogrammed.

Once the Midtronics charger is connected to the vehicle, **if the battery is fully charged**, it takes less than three (3) minutes to boot-up the charger, select the Power Supply Mode, and have the battery voltage stabilized and ready for reprogramming.

NOTES:
- For instructions on using the power supply mode, reference the applicable User Manual for the Midtronics DCA-8000 Dynamic Diagnostic Charging System and the Midtronics GR8-1100 Diagnostic Battery Charger on STIS.
- Confirm all electrical loads such as lights, audio, HVAC, seat heaters, and rear defroster are all switched **OFF** before setting up the charger for Power Supply Mode.
- Select the correct battery type (Flooded, EFB, Gel, AGM or AGM Spiral).
- Input the CCA which matches the vehicle's battery. **NOTE:** OE and replacement batteries have different CCA ratings. Always confirm the battery's CCA rating before proceeding.
- If using a DCA-8000 Dynamic Diagnostic Charging System, set the power supply voltage to 13.5 volts.
- **DO NOT** connect the DST-i or SDI until the Power Supply mode function has completed its battery test mode and the Charging Voltage has dropped to and shows a steady 13.5 Volts on the display.
- Once Power Supply Mode reaches a steady 13.5 volts, connect the DST-i or SDI to the OBD connector and proceed with initiating the normal FlashWrite reprogramming process.
- Amperage will fluctuate based upon the vehicle's demand for power. **NOTE:** If the voltage rises beyond 14V while programming is in process, the procedure will abort. This can indicate a need to test or charge the vehicle battery before any further attempt at programming is made.

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VERY IMPORTANT:
This information is applicable to the Subaru Midtronics DCA-8000 Dynamic Diagnostic Charging System and the Subaru Midtronics GR8-1100 Diagnostic Battery Charger **ONLY**. It does not apply to any other brand / type of "generic" battery charger whatsoever. **ONLY** the DCA-8000 and the GR8-1100 and their Power Supply Mode feature have been tested and approved by SOA.

REMINDER: If the DCA-8000 or GR8-1100 indicates the vehicle's battery must be charged, charge the battery fully before proceeding to reprogram the vehicle while using the Power Supply Mode.

NOTE: Control module failures resulting from 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.

WARRANTY / CLAIM INFORMATION:

For vehicles within the Basic New Car Limited, an applicable Emission 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 #	Fail Code	Labor Time
MFI OBDII ECM Reprogramming	A455-288	UPG-48	0.4

IMPORTANT: Always note the original Calibration Identification number (CID) the vehicle came in with on the repair order before reprogramming and, make sure to list the **NEW** CID for any newly-installed programming (as confirmed from the actual control module **AFTER** installation). The **NEW** CID **MUST** also be noted on the repair order as this information is required for entry in the Miscellaneous Detail field during claim submission.

NOTE: The pak file listings provided in this bulletin are the latest available at the time of publishing. Updates are often released thereafter without revision to the original bulletin. For this reason, it is critical to always have the latest version of Select Monitor 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.

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.