

- 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: 2024-25MY Impreza & Crosstrek 2.5L **NUMBER:** 11-206-25
SUBJECT: Reprogramming File Availability for Misfire DTCs and Rough Idle **DATE:** 04/08/25

INTRODUCTION:

This bulletin announces the availability of reprogramming files to optimize the Engine Control Module (ECM). The updated files will improve fuel injection timing, helping to reduce rough idle conditions and prevent the activation of misfire DTCs such as P0300, P0301, P0302, P0303, and P0304 when carbon has accumulated on the intake valves or injectors. To ensure the issue and DTC do not recur, this file should be installed in conjunction with TSB **02-193-24R**.

PRODUCTION CHANGE INFORMATION:

The reprogramming files have been incorporated into vehicle production as per the table below.

Model	Starting VIN
Impreza / Crosstrek (SBR Production)	SH234989
Crosstrek (SIA Production)	S3731586

<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 style="text-align: center;">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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PFC FILE INFORMATION:

MY	Specification	Model	File Description	Old ECM Part #	New CID #
24	2.5L NA CVT AGS	Impreza	22765AS674.pfc	22765AS670 22765AS671 22765AS672 22765AS673	XE1X022bx0G
		Crosstrek	22765AS974.pfc	22765AS970 22765AS971 22765AS972 22765AS973	XE1X022ax0G
			22765AS69D.pfc	22765AS69A 22765AS69B 22765AS69C	XE1X022Yx0G
			22765AS68D.pfc	22765AS68A 22765AS68B 22765AS68C	XE1X022Zx0G
25			Impreza	22765AU871.pfc	22765AU870
		Crosstrek	22765AU881.pfc	22765AU880	XE1X022cA0G
			22765AU86B.pfc	22765AU86A	XE1X022aA0G
			22765AU85B.pfc	22765AU85A	XE1X022bA0G

SERVICE PROCEDURE / INFORMATION:

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

- Reprogram the ECM following the normal SSM5-R procedure.
- Detailed information regarding the SSM5-R reprogramming procedures can be found in TSB **14-28-21R**.

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Subaru of America, Inc. (SOA) highly recommends utilizing 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.

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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 (Enhanced Flooded, Flooded, 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 DST-010 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 DST-010 to the OBD connector and proceed with initiating the normal SSM5-R reprogramming process.
- Amperage will fluctuate based upon the vehicle's demand for power. **NOTE:** If the voltage rises beyond 14 Volts 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.
- ALWAYS set the power supply voltage to 13.5 Volts when using Power Supply Mode. NEVER turn the ignition switch on when charging at voltages 15 Volts or higher.

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:

Labor Description	Labor Operation #	Labor Time	Fail Code
ECM REPROGRAMMING FOR DTC P0300	A455-386	.5	UPG-48

IMPORTANT: Always note the original Calibration Identification number (CID) / ROMID the vehicle came in with on the repair order **before** reprogramming and, make sure to list the **NEW** CID / ROMID for any newly installed programming (as confirmed from the actual control module **AFTER** installation). The **NEW** CID / ROMID **MUST** also be noted on the repair order as this information is required for entry in the Miscellaneous Detail field during claim submission. These numbers can be read using SSM5-R.

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NOTE: The pfc 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 SSM5-R. If a newer CID is shown as available in SSM5-R, 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.