

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: 2024MY Impreza & Crosstrek

NUMBER: 06-93-25

SUBJECT: Reprogramming Files for DTCs P0890 & P0700

DATE: 02/10/25

INTRODUCTION:

This bulletin announces availability of reprogramming files for the Engine Control Module (ECM) developed to address the following Diagnostic Trouble Codes (DTC):

- P0890: TCM Power Relay Sense Circuit Low
- P0700: Transmission Control System (MIL Request)

When shutting the engine off after a short distance drive in ambient temperatures of 32°F (0°C) or below, moisture may develop inside the starter relay and cause the internal contacts to stick or freeze resulting in a no crank / no start condition. The new software cycles the relay contacts periodically to prevent any sticking or freezing. If this situation is reported by a customer and/or DTC P0890 & P0700 is stored in the ECM fault memory, perform the reprogramming procedure outlined below.

PRODUCTION CHANGE INFORMATION:

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

Model	Starting VIN
IMPREZA	R8891301
CROSSTREK	RH891695

**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.

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PFC FILE INFORMATION:

MY	Model	Specification	File Description	Old Part Number	New CID
24	IMPREZA	2.0L NA CVT	22765AS712.pfc	22765AS710 22765AS711	XE1W411f00G
		2.0L NA CVT with AGS	22765AS812.pfc	22765AS810 22765AS811	XE1W411d00G
		2.5L NA CVT with AGS	22765AS673.pfc	22765AS670 22765AS671 22765AS672	XE1X021b00G
	CROSSTREK	2.0L NA CVT	22765AS792.pfc	22765AS790 22765AS791	XE1W411e00G
		2.0L NA CVT with AGS	22765AS782.pfc	22765AS780 22765AS781	XE1W411c00G
		2.5L NA CVT with AGS	22765AS973.pfc	22765AS970 22765AS971 22765AS972	XE1X021a00G
		2.5L NA CVT with AGS	22765AS69C.pfc	22765AS69A 22765AS69B	XE1X021Y00G
		2.5L NA CVT with AGS	22765AS68C.pfc	22765AS68A 22765AS68B	XE1X021Z00G

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.

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).

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- 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:

For vehicles within the Federal Emission Extended Defect Warranty period, or covered by and 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	A450-086	UPG-48	0.4

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.