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: 2019-21MY Forester

NUMBER: 03-89-22

DATE: 09/13/22

SUBJECT: DTC B280B VDC Brake Fluid Pressure

INTRODUCTION:

This bulletin announces the availability of new Vehicle Dynamics Control (VDC) reprogramming files. In rare cases the EyeSight® system may receive inaccurate brake line pressure data from the VDC causing DTC B280B (VDC Brake Fluid Pressure) to be set. These files provide logic to enhance the data analysis of the brake line pressure for the VDC. If the DTC B280B is found to be stored in the VDC control module, perform the repair procedures outlined in this bulletin.

PRODUCTION CHANGE INFORMATION:

This logic has been incorporated into Forester production as per the starting VIN **MH470474**.

PACK FILE APPLICABILITY:

Model	Model Year	File Name	Decryption Keyword
Forester	19-20	27596SJ750	95D06C71
	21	27596SJ091	3B844F75

These files are included in the July 2022 SSM Software update.

SERVICE PROCEDURE / INFORMATION:

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

Precautions:

- Prior to performing any diagnostic/work procedures regarding DTC B280B, confirm the pressure difference between the brake fluid target pressure and the actual pressure is less than 1.1Mpa using the Data Monitor feature within Subaru Select Monitor.
- Prior to performing any diagnosis for DTC B280B, confirm there is no internal or external brake fluid leakage.

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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STEP 1: Reprogram the VDC following the normal FlashWrite procedure.

Subaru of America, Inc. (SOA) highly recommends connecting either the Subaru Midtronics DCA8000 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, DST-010, 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, DST-010, 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.

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.

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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.

STEP 2: Perform Auto Headlight Level Control Initialization.

After reprogramming the VDC system, the Auto Headlight Leveler Control will be in the fail-safe status. Follow the procedure outlined below for proper initialization. If this procedure is not followed, the steering responsive headlights and headlamp leveling features may become temporarily unavailable.

A. Confirm the vehicle is parked on a flat and level surface.

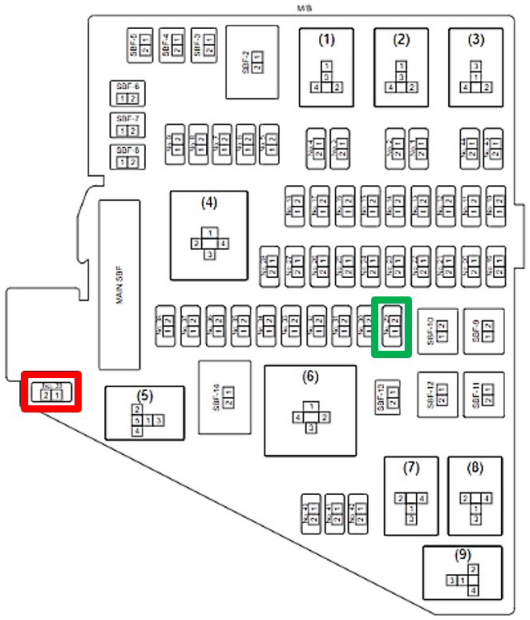
B. Turn the ignition switch to the "OFF" position.

C. Remove the 30 Amp transport fuse from the #29 (**GREEN**) position of the main fuse box located under the hood.

D. Insert the removed fuse into the #39 (**RED**) position and switch the ignition switch to the "ON" position.

E. Wait at least three seconds, then turn the ignition switch to the "OFF" position.

F. Return the fuse to the original position (#29).



G. Start the engine and run for at least three seconds. Using the Subaru Select Monitor (SSM), clear any fault codes that might have been set during the procedures listed above.

H. Perform a function test of ALL the operations of the headlight system.

End of Procedure

WARRANTY / CLAIM INFORMATION:

For vehicles within the Basic New Car Limited Warranty period, or an active Added Security Classic or Gold Plan this repair may be submitted using the following claim information:

Labor Description	Labor Operation #	Labor Time	Fail Code
VDCCM REPROGRAMMING	A567-318	.4	FCR-48

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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.