



Service Bulletin

PRELIMINARY INFORMATION

Subject: Diagnostic Tip - B1001 With SIR MIL And/Or SVS MIL And/Or Locked Radio

Models: 1998-02 Chevrolet Astro, Venture, S10, Blazer, Trailblazer, Camaro, Cavalier, Corvette, Impala, Monte Carlo, Lumina, Malibu, Metro, Prizm, Express

1998-02 GMC Safari, Savana

1998-02 Pontiac Bonneville

1998-02 Pontiac Firebird Models, Sunfire, Grand Am, Grand Prix, Montana

2001-02 Pontiac Aztek

1998-99 Buick Riviera

1998-02 Buick LeSabre, Park Avenue, Century, Regal

2002 Buick Rendezvous

1998-99 Oldsmobile Cutlass

1998-02 Oldsmobile Bravada, Aurora, Intrigue, Alero

1998-02 Cadillac DeVille, SeVille, Eldorado, STS, SLS, Catera, Escalade Models

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

Some vehicles may exhibit a B1001 DTC with an SIR lamp, SVS lamp on and/or radio locked, possibly after module replacement (i.e. BCM, SDM, etc.). This information is presented to clarify the failure modes that will set this DTC, as well as offer a diagnostic direction to help repair them.

DTC B1001, by definition, is a "configuration mismatch" between vehicle modules that communicate with each other over a data line. Modern vehicle systems depend upon each module storing certain vehicle information, as well as information about other modules in order to work properly together. Common causes of B1001 are:

1. An incorrect or non-existent VIN number in modules that require them.
2. A module that has been replaced but not programmed per currently published service information.
3. SDM replacement where the new SDM is a different (newer) part number than the original.

Recommendation/Instructions

A common diagnostic approach that will address most concerns with B1001 is as follows:

1. Ask the technician if a module has recently been replaced which led to the B1001 DTC. If so, determine if the service information procedure for replacing the affected module has been followed. For example, some callers mistakenly believe that a new BCM simply requires "theft deterrent relearn" to operate properly. However, many modules require a "new module setup/RPO configuration" procedure to operate properly. The process for setting up a new module varies, consult currently published service information for the correct procedure for your application.
2. If an SDM has recently been replaced, the BCM requires the last 4 digits of the SDM part number to be stored in a portion of the BCM to prevent DTC B1001. If the SDM's service part number is different than the original module, a special procedure is required to erase and re-learn this "restraints ID" code in the BCM. While the procedure varies from vehicle to vehicle, there are two standard methods as follows:
 - 2.1. On some vehicles the Tech 2 has a function available in the BCM or SIR "Special Functions" menu. Common terminology is "setup SDM part number in BCM" or similar nomenclature. Follow on-screen instructions to complete procedure.

2.2. Some vehicles require an "SPS" method of programming the restraints ID. Perform the "Request Info" step at the vehicle and confirm the VIN number stored, then take the Tech 2 back to the terminal and down-load the appropriate file from the TIS2WEB "available modules" menu.

3. If neither of the above are successful in clearing B1001, check the following modules with the appropriate Tech 2 data list under "VIN" or "module information" to determine if the correct VIN number is stored.

PCM: If the PCM does not have a VIN stored, or the incorrect VIN is stored, it will be necessary to program the PCM using the current SPS method. If the PCM already has the latest calibration software installed, it will be necessary to contact Techline Customer Support Center (TCSC: 1-800-828-6860 English or 1-800-503-3222 French) and request a VCI number to allow reprogramming with the same calibration.

BCM: If the BCM does not have a VIN stored, or the incorrect VIN is stored, it will be necessary to install the correct VIN using the appropriate line under the BCM's "special functions" menu. Follow on-screen prompts to complete programming.

Radio: If the Radio does not have a VIN stored, or the incorrect VIN is stored, it will be necessary to install the correct VIN using the appropriate line under the radio's "special functions" menu. Follow on-screen prompts to complete programming.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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