



Service Bulletin

PRELIMINARY INFORMATION

Subject: Diagnostic Tip - No Crank / No Start

Models: 2012 Chevrolet Sonic

This PI was superseded to update power mode chart. Please discard PIC5710.

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

Condition/Concern

No crank / no start. Upon Dealer diagnosis in some cases the dealer technicians found DTC B1380, and in other cases no DTCs were found current or history. The technicians also mentioned when using the scan tool to monitor the crank request in the BCM and/or ECM they found that the request may or may not be present in one or both modules.

Recommendation/Instructions

Important: Do NOT replace the BCM or ECM for this concern.

When diagnosing this concern, ignore the scan tool data and use GSI wiring diagrams Power and Signal Distribution Wiring Systems and Power Management Schematic and Routing Diagrams Ignition Switch and monitor the circuits. Leave the ignition switch connected and use the chart below to verify the correct power moding. If any of the power modes are incorrect inspect the vehicle for any after-market electronic devices. If found, remove all the after-market wiring and retest the power modes. If no after-market electrical devices are found and the power modes are incorrect, replace the Ignition Switch.

Circuit	Ignition Off Key Out	Ignition Off Key In	Accessory	Run	Crank
3	0 V	0 V	0 V	B+	B+
4	0 V	0V	B+	B+	0 V
1020	0 V	B+	0 V	Approx. 5 V	Approx. 2.9 V
1073	5 V	5 V	5 V	5 V	5 V
3340	B+	B+	B+	B+	B+

Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
N2320	Ignition and Start Switch Replacement	Use Published Labor Operation Time

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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