



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Chevrolet Volt rough running at start up, smoke from exhaust and/or knock noise.

**Models:** 2016-2017 Chevrolet Volt  
Equipped with 1.5L (L3A)

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

### Condition/Concern

Engine may run rough, shake aggressively, smoke from the exhaust and/or knock at startup.

This may occur at PDI, low mileage, or after fuel system repairs.

### Recommendation/Instructions

**Note:** Slight variations in crankshaft RPM can set up a vibration in the Automatic Transmission Torque Dampener producing a knock noise.

Validate that the ECM has the latest calibrations installed.

Connect GDS2 to the vehicle and record any history misfire data.

Start the ICE and monitor for misfires, rough running, excessive exhaust smoke, or knock noise.

Remove all spark plugs and replace any showing signs of fuel fouling.

Run the engine in park at 2000 RPM until operating temperature is achieved

Allow the vehicle to cold soak, recheck for misfires, rough running, excessive exhaust smoke and/or knock noise.

If excessive smoke from the exhaust persists, record the results of the Fuel System Diagnosis in SI2000 and contact TAC for further assistance.

If misfire, rough running, or knock noise persists then perform SBD on the symptom

If the concern is corrected, return the vehicle to inventory or the customer.

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.



WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION