

2020 Buick Truck Enclave AWD V6-3.6L

Vehicle > Powertrain Management > Ignition System > Spark Plug > Service and Repair > Removal and Replacement

INTAKE MANIFOLD CLEANING AND INSPECTION

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Intake Manifold Cleaning Procedure

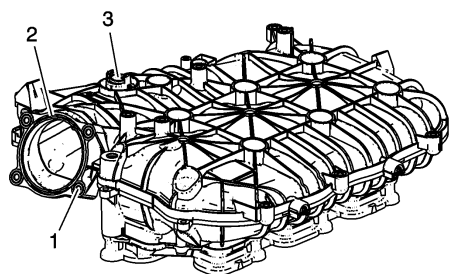
1. Remove any remaining gasket and/or gasket material from the following:
 - Throttle body
 - Intake manifold
2. Clean the following intake manifold areas in solvent.
 - Intake manifold gasket sealing areas
 - Intake manifold passages
 - Brake booster hose passage
 - Evaporative emission (EVAP) solenoid passage
 - Positive crankcase ventilation (PCV) vacuum hose passages

Warning: Refer to Safety Glasses Warning.

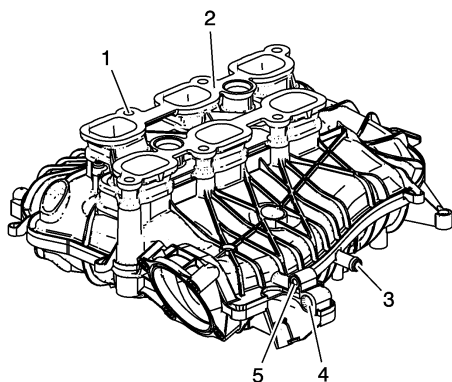
3. Dry the intake manifold and throttle body with compressed air.

Inspection Procedure

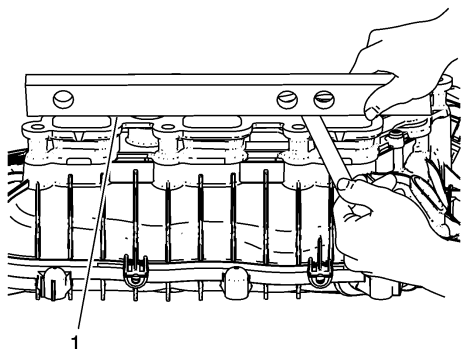
1. Inspect the intake manifold for the following conditions:



- Damage to the throttle body bolt holes (1)
 - Damage, debris or restrictions to the PCV system hose ports (3)
 - Damage to the gasket sealing surface for the throttle body (2)
2. Inspect the intake manifold for the following conditions:



- Damage, debris or restrictions to the brake vacuum booster hose port (3)
 - Damage to the intake manifold bolt bosses (1)
 - Damage to the EVAP purge solenoid mounting boss (5)
 - Damage, debris or restrictions to the EVAP purge solenoid port (4)
 - Gouges or damage to the intake manifold sealing surfaces (2)
3. Inspect the intake manifold sealing surface (1) for warpage.



1. Locate a straight edge across the intake manifold sealing surface.
2. Insert a feeler gauge between the intake manifold and the straight edge. An intake manifold with warpage in excess of 0.50 mm (0.020 in) must be replaced.
4. Repair or replace the intake manifold as necessary.