

# Diversified Environmental Catalysts



## Tech Note:

Please pay special attention to the highlighted section regarding replacement of the Brake Booster hose.

Bulletin No.: 03-06-05-002

Date: January 13, 2003

TECHNICAL

Subject:

Service Engine Soon (SES) Light ON, Reduced Vehicle Performance, Acceleration and Top Speed (Replace Catalytic Converter and Brake Vacuum Booster Hose with Thermo Protection)

Models:

2001-2002 Chevrolet Impala  
with 3.8L V6 Engine (VIN K - RPO L36) and

RPO's 9C6 Taxi Cab, 9C1 Police Car and/or 9C3 SE0 Vehicle Police Car, Limited

Content

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## Condition

Some customers may comment on the SES light on and/or reduced vehicle power, acceleration and reduced top speed.

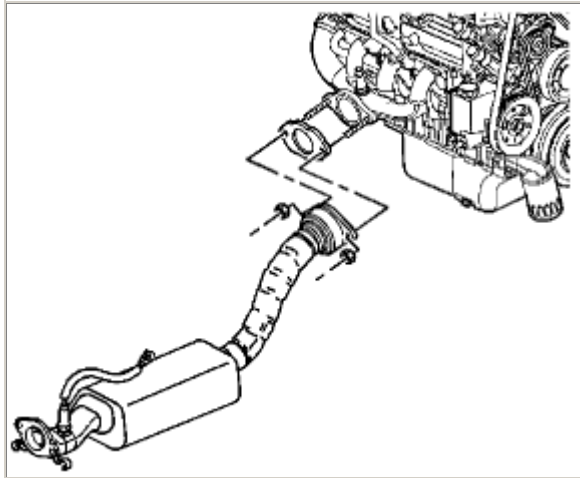
## Cause

This condition may be caused by a restriction in the catalytic converter.

## Correction

Follow the service procedure below for diagnosis and replacement of the catalytic converter.

1. For diagnosis of the catalytic converter, refer to Restricted Exhaust, SI Document ID # 685978.
2. Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle SI Document ID # 692668.



3. Disconnect the heated oxygen sensor (HO2S) electrical connector.
4. Remove the exhaust manifold pipe stud nuts.
5. Remove the rear catalytic converter bolts.
6. Remove the two rear converter hangers.
7. Remove the 3-way catalytic converter.
8. Remove the converter gasket and seal and discard.
9. Remove the heated oxygen sensor (HO2S) from the old converter using J 39194 Oxygen Sensor Wrench or equivalent and properly discard the old converter.

**Important:** The 3-way catalytic converter is serviced by replacing the entire assembly. Always replace the gasket at the front flange when servicing the 3-way catalytic converter assembly. Never install the original gasket.

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10. Install the heated oxygen sensor (HO2S) into the new converter, P/N 10337610, using J 39194 Oxygen Sensor Wrench or equivalent.
11. Install a new exhaust manifold to converter pipe gasket, P/N 12565634.
12. Install a new converter pipe to muffler pipe gasket, P/N 10275205.
13. Install the converter to the vehicle.
14. Attach the two rear converter hangers.
15. Install the catalytic converter rear bolts.
16. Install the front catalytic converter nuts.

Tighten

- ^ Tighten the exhaust manifold pipe stud nuts to 32 Nm (24 lb ft).
  - ^ Tighten the catalytic converter bolts to 45 Nm (33 lb ft).
1. Connect the heated oxygen sensor (HO2S) electrical connector.
  2. Lower the vehicle.
  - 3.

**Important:** When replacing catalytic converter, P/N 10337610, you **MUST REPLACE** the brake vacuum booster hose with thermo protection sleeve, P/N 10336627.

Remove the brake booster vacuum hose and discard.

4. Install the new vacuum booster hose with thermo protection sleeve, P/N 10336627.
5. Inspect the exhaust system for leaks.

Part Number	Description	Qty
10337610	Catalytic Converter	1
12565634	Gasket, Front Manifold to Converter	1

10275205	Gasket, Rear Converter to Muffler	1
10336627	Brake Vacuum Booster Hose with Thermo Sleeve	1

### Parts Information

Parts are currently available from GMSP0.

### Warranty Information

Labor Operation	Description	Labor Time
L2300	Catalytic Converter Replacement	0.4 hr
Add A	Reinstall Exhaust Manifold Flange Studs	0.1 hr
Add B	Brake Vacuum Booster Hose Replacement	0.1 hr
Add C	Diagnosis Time	0.0–0.3 hr

For vehicles repaired under warranty, use the table.

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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