

# **Poor Engine Performance-Misfire, Rough Idle, Stalls, Engine Cranks but Does Not Run, SES/Check Engine Light On, DTC P0300 Set (Inspect Distributor Ignition(DI) System Components, Replace as Necessary) #03-06-04-041A - (Jan 28, 2005)**

Poor Engine Performance - Misfire, Rough Idle, Stalls, Engine Cranks but Does Not Run, Service Engine Soon/Check Engine Light Illuminated, DTC P0300 Set (Inspect Distributor Ignition (DI) System Components and Replace As Necessary)

2001-2003 Chevrolet Astro, Blazer, Express, S-10

2001-2003 GMC Jimmy, Safari, Savana, Sonoma

2001 Oldsmobile Bravada

with 4.3L, 5.0L or 5.7L Gas Engine (VINs W, X, M, R -- RPOs L35, LU3, L30, L31)

This bulletin is being revised to delete a model and add information to subject and inspection of distributor vent screens. Please discard Corporate Bulletin Number 03-06-04-041 (Section 06 - Engine/Propulsion System).

## **Condition**

Some customers may comment on poor engine performance and the Service Engine Soon/Check Engine light being illuminated. Upon investigation, the technician may find DTC P0300 set.

## **Cause**

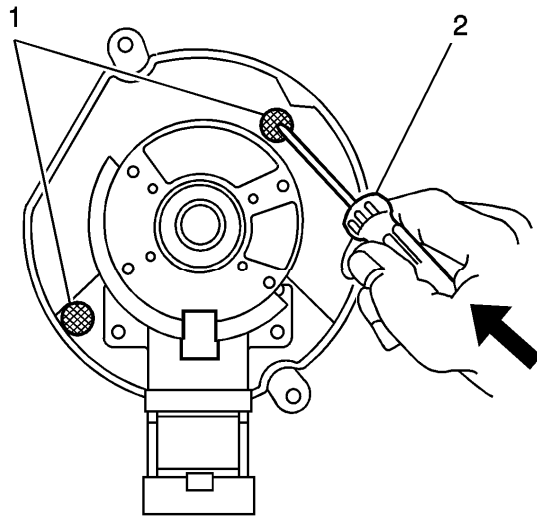
This condition may be due to high levels of internal corrosion in the distributor, causing misfire, rough idle, stall and Engine Cranks But Does Not Run. This corrosion is attributed to a lack of airflow internal to the cap caused by the vent screens being clogged with debris.

### Correction

Remove the vent screens and inspect the internal components of the Distributor Ignition System using the procedure listed below. If the distributor base has to be replaced, the vent screens will also have to be removed on the new distributor. If there is evidence of this internal corrosion, replace the affected component. Refer to the appropriate procedure in the Engine Controls sub-section of the applicable Service Manual.

**Important:** All of these inspections can be done on-vehicle.

1. 1. Inspect the distributor cap. You may notice a white residue on the cap walls. For higher mileage occurrences, the interior of the cap may have changed to medium brown in color
2. 2. Inspect the distributor rotor. You may notice the presence of black streaks on the plastic surface. More typical evidence would be visible green spots on the copper surface of the rotor segment.
3. 3. Inspect the distributor base. You may notice high levels of surface rust on the distributor shaft or surface contamination on the sensor hold down screws.



4. 4. Inspect the distributor vent screens (1). If the vent screens are present, remove them by using a plastic-handled, long blade awl or pick (2). Insert into the airflow vent screens and pop them out. Refer to the figure for removal procedure. If the vent screens have been removed from the base of the distributor, then check the airflow inlets for being clogged with debris.

**Parts Information**

<b>Part Number</b>	<b>Description</b>
10452458	Cap, Distributor (V6)
10452457	Rotor, Distributor (V6 and V8)
93441559	Distributor (V6)
10452459	Cap, Distributor (V8)
93441558	Distributor (V8)

Parts are currently available from GMSPO.

**Warranty Information**

For vehicles repaired under warranty, use:

<b>Labor Operation</b>	<b>Description</b>	<b>Labor Time</b>
J4360	Cap, Distributor - Replace	Use published labor operation time
J4380	Rotor, Distributor - Replace	Use published labor operation time
J4530	Distributor Assembly - Replace	Use published labor operation time
Add	To remove Distributor vent screens	0.1 hr

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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