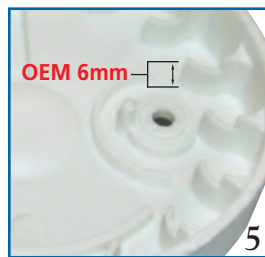


DESIGN IMPROVEMENTS FOR GM VORTEC DISTRIBUTOR CAPS

Original Engine Management has made several design and construction material changes using carefully selected materials in order to offer our customers the best combination of performance, longevity and value.

1. New Severe Duty 30% Glass reinforced polyethylene (PET) cap material offers superb resistance to moisture absorption and electrical arcing.
2. Included with every affected part number is an instruction sheet which outlines GM technical service bulletin (TSB) 03-06-04041, which references poor ventilation within the distributor as the root cause of failure. This TSB must be followed to insure a complete corrective repair.
3. Insulation around the tower contacts on underside of cap (common failure point due to arcing) is 2mm thicker than competitive designs.
4. Aluminum tower contacts are superior to brass in this particular application. This is due to the buildup of nitrogen oxides within the cap from high voltage discharge. These oxides combine with water vapor to form nitric acid. The nitric acid then combines with the copper present in brass to form corrosion on the contacts which may cause a misfire. Aluminum does not contain copper and has a better resistance to this type of corrosion.
5. Matching distributor rotor (OEM part #3961) features oversized air circulation blades to better disperse the harmful nitric acid vapors. In addition the rotor blade is coated for radio frequency interference (RFI) suppression and protection against corrosion.



INSTALLATION INSTRUCTIONS
Failure to follow these instructions can severely shorten the life of this part and may void the part's warranty.

- 1) Remove screens within distributor per OE TSB 03-06-04-041A to allow proper ventilation of distributor and eliminate possibility of failure due to internal moisture, corrosion, and subsequent arcing between terminals.
- 2) Ensure distributor cap mounting holes located on plastic body of distributor are free of old dried LOCTITE® originally applied to OEM mounting screws. Residual dried material can cause distributor mounting holes to split when new screws are installed.

Models Covered: 4000L, 2 4000S, 4000S-1P, 4000R, 2-4000S, 4000EHP
IS 18 7-17-09

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