



**4 SEASONS**  
Your Automotive PARTner

# DID YOU KNOW?

## DYK TECH TIP # 102

### Part No. 75850

VIO = 3,261,653

### O.E

27225-AM611,  
27225-JK60B, 27225-JK60D

### Competitor Cross

Continental VDO = PM9316  
TYC = 700193

### Applications

CHEVROLET COBALT (10-05)  
CHEVROLET HHR (11-06)  
PONTIAC G5 (09-07)  
SATURN ION (07-03)

### Problem

The O.E motor has exposed heat sinks and circuit boards as well as loosely attached electronics that can fail due to common vehicle vibrations.

### Solution

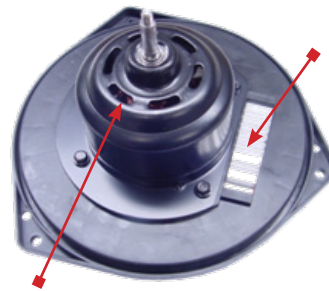
Four Seasons improvements feature hermetically sealed electronics with stall and surge protection, EMI suppression and an integrated cooling tube for extended motor life.

### Competitor Issues



Leak Path From Heat Sink Directly Above PCB

Electronics Loosely Attached (Vibration Concern)



No Sealing /Protection of Heat Sink & Electronics

Vent in One End of Motor Only

No Vent Tube to Create a Pressure Differential and Drive Cooling Air Through the Motor.



Exposed Traces on Printed Circuit Board ( PCB )

### Four Seasons Improvements



- Airtight Sealed Electronics
- Stall Protection
- EMI Suppression
- Over Voltage Protection on PWM



Integrated Cooling Tube for Extended Motor Life

