

4 SEASONS[®] 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.

Four Seasons Improvements



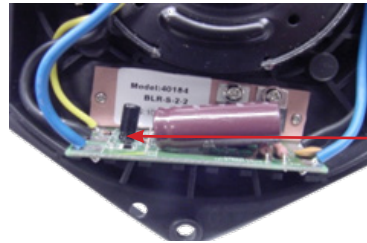
- Airtight Sealed Electronics
- Stall Protection
- EMI Suppression
- Over Voltage Protection on PWM



Integrated Cooling Tube for Extended Motor Life

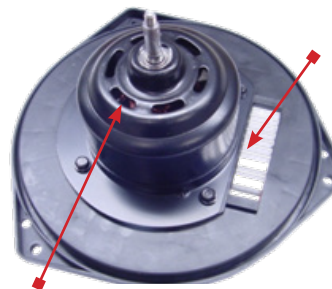


Competitor Issues



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)