

# CARDONE™ ProTech®

Supporting Today's Vehicle Technician

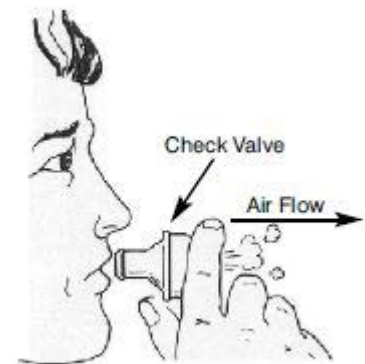


## Preventing Smog Pump Seizures

**Problem** Smog Pump failure

**Cause** Gasoline, exhaust fumes, oil, or water entering the unit contaminates the bearing grease causing bearing failure.

**Solution** Before installing replacement unit, test check valve(s) for proper operation. Air should pass through valve only in one direction. These valves prevent exhaust gases from entering the unit. **DO NOT** install pump with a defective check valve. Check the PCV system for proper operation. An inoperative or defective PCV system allows oil and gas fumes to enter Smog Pump, causing bearing failure. Water contamination causes bearing corrosion, internal component damage, or housing failure. To help prevent this problem, carefully inspect all hoses, make sure fittings are secure, pump filters are not clogged, and the fan is not damaged. Be careful when washing the engine and, on low-mounted units, avoid driving through high water.



**Note** Cover pump when washing motor.

**Win the war against warranties.  
Keep contamination out of your smog pump!**