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Bolt-on Air Pump Pulleys Can Be Installed Incorrectly

Application: All air pumps (smog pumps) with bolt-on pulleys.

Problem: The original pulley rubs on the housing of the replacement unit, or the belt does not track correctly.

Cause: Pulley is mounted wrong-side out (the pulley will mount on the pump either way).

Solution: Original Equipment pulleys usually are marked FRONT or THIS SIDE OUT. Another way to determine the correct side is that the shallow side of the pulley must face towards the pump and the deep-dished side faces out (away from the pump). When reusing the original pulley, look for hub marks on the inside surface or washer marks on the outside surface. Aftermarket pulleys may not be marked. In this case the deep-dish side usually faces outward as noted above.



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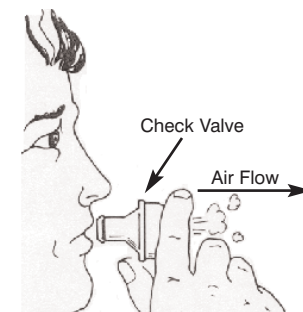


Rx Preventing Smog Pump Seizures

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!