

Engine Repair

PermaTorque® SD Head Gaskets

Hardworking Engines are Hard on a Head Gasket

Because most automotive engines are operated under severe conditions at some point in their service life, new Fel-Pro® PermaTorque®SD severe duty head gaskets are the perfect choice. These ruggedly engineered head gaskets feature an impressive collection of exclusive enhancements that ensure superior performance and longevity under the toughest conditions. These premium gaskets are recommended if the engine is in an RV, fleet or commercial vehicle, a vehicle that tows, or in a vehicle known to have problematic sealing under duress (such as the Pontiac 2.5L).

PermaTorque SD Head Gaskets: Built for Punishment

PermaTorque SD gaskets get their strength and longevity from six key product features:

- 1. Armor Thickness** – Thicker armor creates a more detonation-resistant combustion seal, increases radial strength, and maximizes loading (and sealing performance) around the combustion openings.
- 2. Armor Material** – Use of high-grade Austenitic (non-magnetic) stainless steel increases radial strength, corrosion resistance, and detonation resistance.
- 3. Body Core Thickness** – Solid-steel core gaskets have higher radial strength than perforated core gaskets. "Severe Duty" core material is 25% thicker than normal, further increasing radial strength.
- 4. Printoseal® Sealing Beads** – These enhance fluid sealing in strategic areas without removing excessive load from the combustion seal. They also allow the use of thicker armor.
- 5. Specialized Coatings** – These provide increased fluid sealing and anti-stick properties.
- 6. Hot Press Flattening** – Helps embed the armor into the gasket facing material, reducing torque loss. Use of heat imbeds the armor more deeply and consistently, and allows use of thicker armor.

