

## Leak Repair

# Oil Pan Gasket Sets (OS)

### Combining Thinness with Strength

Oil pan gaskets are similar in many ways to valve cover gaskets.

Like valve covers, oil pans are usually made of stamped steel, but with a stronger gasket flange. Because of the added weight and splash of crankcase oil, the oil pan has more assembly bolts, closely spaced and often with larger diameters than valve cover bolts. As a result, the clamping force on the oil pan gasket is much greater, so the gasket is usually thinner, but it still must be crush-resistant. Many current engines use heavier, cast oil pans to add supplemental strength to the vehicle frame. These engines require complex molded-rubber or rigid carrier design gaskets.

Oil pan gaskets seal the joint between the oil pan and the bottom of the engine block. Usually, the oil pan gasket also seals the bottom of the timing cover and the lower section of the rear main bearing cap or rear main seal retainer. The four corner joints between the side rail gaskets and the molded-rubber end loops of multi-piece oil pan gasket designs require a small dab of RTV silicone sealant to ensure against leaks.

Oil pan gaskets, like valve cover gaskets, usually feature either a rigid carrier design, molded-rubber, cork-rubber, or synthetic rubber material.

**PermaDryPlus**® gaskets' one-piece construction makes installation easier than OEM style multi-piece assemblies or RTV sealing. Edge-molded silicone rubber on a rigid carrier provides superior fit, and high heat and vacuum resistance, while the included Oil Pan SnapUps® speed installation.

**PermaDry**® premium molded-rubber gaskets seal so well that their use means virtually no drip spots on the garage floor, making them the perfect replacement for OEM style molded-rubber gaskets. The premium quality rubber compounds used ensure a consistent and long life seal across the entire oil pan.

**Synthetic rubber** doesn't shrink or wick like cork. And it doesn't compress either. This material provides a long-lasting durable seal, lessens oil pan distortion, and is easily removed for quick cleanup.

**Blue Stripe**® cork-rubber combines the best qualities of cork and rubber gaskets. It maintains its shape and flexibility, yet is highly compressible. It seals well because of its good compressibility and is easier to install than synthetic rubber gaskets because cork-rubber is somewhat rigid.

