Genuine John Deere head gaskets — specifically designed for maximum performance

**Time-proven performance**

There’s a reason why John Deere engines and equipment have such a strong reputation: Quality. While other manufacturers claim their repair parts “meet or exceed OEM specifications for John Deere equipment,” the best way to ensure performance is to use engine parts designed BY John Deere FOR John Deere engines. Our parts and service restore the original quality and performance of your machines.

When you install a genuine John Deere head gasket, rest assured you’re getting one that’s specifically designed to ensure a proper fit and deliver maximum performance for your particular John Deere engine model. We incorporate into our head gaskets a number of design elements that others do not.

**Five-layer design**

John Deere head gaskets feature a unique five-layer design that ensures they’ll seal better and provide more protection from the high pressures and intense heat of the combustion chambers. This includes graphite facings, perforated steel laminates, and a solid steel core.

**Thicker, solid steel core**

Our 33 percent thicker, solid steel inner core separates the high pressure in the combustion chambers from the low pressures outside the engine.

Maxiforce uses a thinner, perforated core that creates discontinuous loading patterns and high stress areas that are prone to cracking.

**Perforated steel laminate**

In genuine John Deere head gaskets, the steel core and graphite facings are bonded together by perforated steel laminates to prevent both separation and internal leakage.

Reliance uses adhesives to bond their facings to the steel core. This can produce imperfections, reducing internal strength, and possibly layer separation and leaks.

**Graphite facings**

A reliable, durable seal between the engine block and cylinder head is critical. The material on the gasket face must be soft enough to fill in any cracks or surface imperfections, yet strong enough to handle extreme pressures and temperatures. John Deere gaskets incorporate two unique, mechanically bonded graphite facings to improve sealing.

Reliance uses paper facing, which has sealing limitations and can cause gases to leak out of the combustion chamber and oil to mix with the coolant.
Head gaskets

Cylinder armors
Head gasket cylinder armors are connected wire rings or eyelets, which surround the cylinders to seal out the high combustion pressures.

John Deere engine cylinders are very close together, and by increasing the armor size and eliminating the gap between armors, we can eliminate leakage of gases between cylinders.

The Reliance head gasket features smaller, unconnected cylinder armors, which can result in an unreliable seal and reduced power output due to different pressures in adjacent cylinders.

Coolant ports
An engine’s coolant ports are designed to deliver coolant to the cylinders for the purpose of extracting heat from them. John Deere head gaskets are application- and model-specific to ensure that the engines perform as originally designed, with sealing that conforms to the exact shape and location of the cooling ports.

Some of our competitors supply a single gasket for multiple engine models. The gasket does not conform to the exact shape and location of the cooling ports, which can adversely affect the ability to cool the engine as designed.

Oil port grommets
Engines are engineered to contain high-pressure oil ports that deliver oil to the engine head for lubricating the rocker arms. While the competition uses a rubber grommet to seal the port, genuine John Deere head gaskets feature metal grommets. Our grommets are more resistant to blowouts at high pressures and high temperatures, which can result in loss of oil pressure to the rocker arms.

Bolt holes
John Deere head gaskets feature non-circular bolt holes, which help us incorporate larger cylinder armors into our design. This increases the amount of gasket material between the bolt hole and cylinder and helps maintain compression.

The Reliance gasket features a round hole, which limits the armor size and decreases the sealing material between the bolt hole and cylinder.

Whether your engine powers an agricultural, construction, forestry, consumer/commercial, or OEM machine, you don’t want to compromise when it comes to quality and reliability. For honest value and reliable performance, demand the best — genuine John Deere parts and service.