

FREQUENTLY ASKED QUESTIONS

HEAD GASKET REPAIR KIT

P/N HG-3

How does the Head Gasket Repair Kit work?

The Step 1 Cooling System Prep & Cleaner™ prepares the system for sealing by cleaning the entire cooling system including the blown or cracked area where engine contaminants entered the cooling system. This is an important step missed by many competitive products. Step 2 Head Gasket & Block Sealant™ penetrates the cracked and damaged or blown head gasket area drying to form a seal stronger than the original head gasket itself. High strength fibers work like rebar in concrete to create a truly permanent seal. Step 3 Head Gasket & Block Treatment™ is an antifreeze compatible treatment that protects & conditions the head gasket and all cooling system parts allowing the vehicle to run cooler, while also sealing and preventing future leaks.

Will the Head Gasket Repair Kit clog the cooling system or my recovery equipment?

No, the formula has been designed to safely seal cooling system leaks without causing any plugging issues in either the vehicle cooling system or in the shop recycling machines.

Do I need to use all 3 parts?

Yes, the repair shop must follow the directions completely and use all three parts of the kit.

Will the Head Gasket Repair Kit work on more than one leak in the cooling system?

Yes, we have had success in engines that had multiple leaks like a head gasket and intake gasket issue at the same time.

What types of leaks will the Head Gasket Repair Kit seal?

The Head Gasket Repair Kit™ will permanently seal cracked cylinder heads, blown head gaskets, intake gasket leaks, all block leaks and other severe coolant leaks.

What types of head gasket materials will this work on?

The Head Gasket Repair Kit™ will work on the most common head gasket materials including Copper, Composite and MLS-Multi Layer Steel Gaskets.

How large of a leak will this repair?

In general terms the stop leak material can seal up to .030 inch hole and .015 inch slot size. Since you would not know the size of the leak unless tearing the engine apart, one good indication is if the vehicle can idle for 15 minutes without having to add water or overheating, it is a good candidate for this product.

Does this work on hard to stop leaks like the Northstar engines?

Yes, the Head Gasket Repair Kit™ will work on the Cadillac Northstar engines and seal head gasket problems on other engines with hard to stop leaks.

Will the Head Gasket Repair Kit fix oil leaks?

Bar's Leaks® Head Gasket Repair Kit™ is not designed to be added to the engine oil and will not stop external oil leaks. We have found that it is able to stop many internal oil leaks where the oil is leaking into the cooling system, even though that is not the main use for the product.

Is the product guaranteed to work?

The Bar's Leaks® Head Gasket Repair Kit™ is guaranteed to seal head gasket coolant leaks and is backed up by a 3 month 3,000 mile limited warranty when installed by a state licensed repair facility.

How does the guarantee work?

The repair job must be performed per instructions and repaired by a state licensed repair facility. Each kit includes a warranty certificate along with complete instructions on the steps that must be followed to activate the guarantee.

How long will the repair last?

The repair is permanent. We are questioned on what the word permanent means. If a service repair shop does a hard fix actually replacing the head gasket it is also deemed permanent, even though the head gasket will most likely fail again in the future. Most head gasket issues could be figured by thermal cycles, which is the number of heating and cooling cycles the vehicle goes through. The longevity of these thermal cycles varies from engine to engine, vehicle location (whether in hot or cold climate) and the type of driving the vehicle experiences.

Does the Head Gasket Repair Kit permanently repair leaks?

Yes, once the product has penetrated the leaking area and dried, it is permanent for that area. The Step 3 Head Gasket & Block Treatment™ will even aid in sealing future minor seepages even in other areas.

Are there any leaks that the Head Gasket Repair Kit will not fix?

Though the product can take care of most leaks, there are a few that we have found which require the hard fix. This includes any engine that has stretched or broken head bolts. Also, the vehicle must be able to idle for 15 minutes without having to add water. The Head Gasket Repair Kit also will not work to repair any blown head gasket issues where a coolant passage is not involved. An example would be between two cylinders in a Siamese bore block engine.

What are the dosage recommendations?

One (1) bottle treats cooling systems from 2.5 gallons (10 quarts) to 5.5 gallons (22 quarts). Use ½ bottle for 1.5 gallon (6 quart) to 2.4 gallon (9.5 quart) systems.

What type of antifreeze will the Step 3 Head Gasket & Block Treatment™ work with?

The Step 3 product is compatible with all automotive coolants including conventional green or blue (Silicate-based) and extended life red/orange or yellow (OAT/HOAT) antifreeze.

Do I need to use the Step 1 cleaner as the antifreeze looks clean?

Yes, the Step 1 Cooling System Prep & Cleaner™ is an important part of the process. A clean cooling system is the foundation for maintaining the proper temperature control necessary to promote the adhesion of the Head Gasket & Block Sealant™ and insure the longevity of the seal.

How is the Step 1 cleaner different than a regular cooling system flush?

Regular flush products only contain liquid which do a mild cooling system cleaning. This patent pending formulation contains particles suspended in a cleaning liquid allowing the material to not only penetrate & clean cracks and holes, but scrub and buff the surface to a like new condition.

Will I lose a regular head gasket job because of this product?

No, because for the most part the person that would elect to use this option either does not have the money to do the hard repair, or the vehicle is not worth putting that extra money into.

Do I need to remove or change the thermostat?

You do not need to remove the thermostat as part of the procedure for using this product. However, if at any time you suspect the thermostat to be bad or damaged, you should replace the thermostat with a new unit as it could cause future engine damage.

Can the head still be removed after using this product for other future repairs?

Yes, the engine can be disassembled as normal after using this product.

How is the Head Gasket Repair Kit™ better than other so called products?

Bar's Leaks® has been in business for over 60 years solving OEM's and consumer's coolant problems. This experience has been built into the Head Gasket Repair Kit™ products. This 3 part kit is a real solution and not just a temporary fix like other products. In fact, competitive products that don't use any fibers would be like building a concrete bridge with no steel rebar. Our fibers truly make this product a permanent repair even on the toughest leaks.

Can it be installed in a diesel engine?

Yes, it works with ALL gasoline and diesel engines. If the head gasket problem is only apparent at high turbo pressure (example if the turbo / cylinder pressure is pushing "lifting" the head off of the block because of weak or stretched head bolts) the only option is replacing the gasket and bolts. An example of this would be the Ford 6.0l PowerStroke diesel engine which has a major problem with this issue.

After using the Head Gasket Repair Kit™ will my engine run cooler?

Yes, because of multiple reasons. First, an engine with a head gasket issue will run too hot either because of a lack of engine coolant, or because hot gasses are entering the cooling system not allowing it to work correctly. The other reason is because of an additive in the Step 3 product which aids in heat transfer lowering the operating temperature. Keep in mind the temperature is going to be no lower than the rated thermostat temperature that is in the particular vehicle.