



Tech Bulletin #: TB-1100	Part Number: 1100
Date Issued: November 20, 2019	Date Revised: n/a
Bar's Leaks® Head Gasket Sealant	Size: Net. Wt. 20 oz (567 g)

Block Seal Head Gasket Sealant

Bar's Leaks Block Seal Head Gasket Sealant is scientifically formulated to permanently seal coolant leaks that are the cause of most overheating problems. For most vehicles, this is the last chance before going to a junk yard or paying an expensive repair bill. This product contains a blend of aramid and refractory fibers giving the strength of a bullet proof vest and the heat resistance of fire-proof clothing. As these particles penetrate a crack or the blown head gasket area, they lock together and bond forming a hard permanent ceramic type seal. Your vehicle is a good candidate for this product if it can idle for 20 minutes without overheating or having to add coolant. Works effectively on cast iron or aluminum blocks & heads. Detailed instructions on back booklet label take you through each step of using the product.

- **America's Most Trusted Stop Leak Brand Since 1947**
- **Stops All Coolant Leaks**
- **Seals Block Leaks, Blown Head Gaskets, Cracked Heads and Other Hard to Stop Coolant Leaks**
- **Dual Action 2 Part Formula—*Twice the performance***
LIQUID CERAMIC
 Liquid penetrates large and small leaks to form a seal actually harder than the original head gasket.
REINFORCED FIBERS
 Fiber additives lock together with liquid to increase strength and promote a permanent seal.
- **Only Add to Radiator After Removing Antifreeze**

Overheating can be caused by a blown head gasket, cracked head or leaking block. Bar's Leaks Block Seal Head Gasket Sealant eliminates this problem. In addition, overheating can be caused by a stuck thermostat, bad water pump or defective radiator cap. If at any time the engine overheats, turn vehicle off and allow engine to cool. Make sure these cooling system parts are in good working order before using Bar's Leaks Block Seal Head Gasket Sealant. When one of these parts fails, it can cause the head gasket to fail.



- Permanently Repairs:**
- Blown Head Gaskets
 - Cracked Heads & Blocks
 - Intake Gasket Leaks
 - Other Severe Coolant Leaks

- Works On:**
- Gasoline Engines
 - Turbocharged Engines
 - Diesel Engines
 - Heavy Duty Engines

BAR'S LEAKS® TECHNICAL BULLETIN (CONTINUED)

Head Gasket Sealant

WARNING:

Head Gasket Sealant is **NOT COMPATIBLE** with antifreeze and must only be added to the cooling system after **ALL ANTIFREEZE** has been flushed and removed.

DANGER:

Opening the cooling system while engine is hot or running may cause severe burns.

DISPOSAL:

Observe local laws & regulations. Where permitted, dispose of in sanitary sewer system. Never pour on the ground or in a storm sewer system.

NOTE:

Protect from freezing.

INSTRUCTIONS:

1. Engine must be cool enough to safely open the radiator cap. (This could take 30 minutes or longer). Drain and completely flush antifreeze from cooling system and overflow tank. Using a flush "T" with garden hose works best. If cooling system is dirty, use a good quality flush following manufacturer's instructions. **ALL** antifreeze must be removed or clogging may occur.
2. Shake well, Mix Head Gasket Sealant in a bucket or container with approximately 3 quarts of warm water. Pour this mixture directly into the radiator. If using in a small cooling system, including all 4 cylinder engines, mix ½ bottle of the Head Gasket Sealant with the warm water.
TIP: If you do not have access to your radiator and vehicle has a pressurized reservoir, then product can be added to reservoir. If not then remove top hose where it connects to the top of radiator and install product in hose. Reattach and tighten clamp.
3. Fill cooling system with water and reinstall radiator cap.
4. Start engine, turn heater on hot and fan on high.
5. Run engine for 10 minutes or until thermostat opens.
6. Turn vehicle off and allow engine to cool. Allow enough time so it is safe to open cap.
7. Top off (fill up) cooling system with water and reinstall radiator cap.
8. Run engine at idle until normal operating temperature is reached. Continue running engine at idle for 15 minutes.
9. Turn vehicle off and allow 45 minutes to cool.
10. Top off cooling system with water as needed and reinstall radiator cap.
11. Run engine at idle until normal operating temperature is reached. Continue running engine, but at high idle (approximately 1200 RPM's for vehicles with a tachometer) for 20 minutes.
12. Turn vehicle off and allow engine to cool for 1 hour.
TIP: For vehicles with intermittent or very minor leaks, it is recommended to follow step 12 by idling vehicle for one hour.
13. Remove radiator cap and drain system.
14. Leave drain open and radiator cap off for 12 to 24 hours. If temperature is below freezing, vehicle must either be kept heated or immediately go to step 15.
15. Flush entire cooling system and refill with manufacturer's recommended antifreeze / water mixture.

DOSAGE:

One bottle treats cooling systems from 2.0 gallons (8 quarts) to 5.0 gallons (20 quarts). Use 1/2 bottle for cooling systems from 1.0 gallon (4 quarts) to 1.99 gallons (7.9 quarts). For larger systems, use 1 bottle for every 5 gallons of cooling system capacity.