

 ISO 9001:2000 CERTIFIED	BAR'S LEAKS TECHNICAL BULLETIN	
	Tech Bulletin #: TB-1100-1	Page 1 of 2
	Date 1 st Issued: May 25, 2006	Date Revised: December 18, 2007
	Bar's Leaks Head Gasket Repair	AutoZone Part # 689049 Bar's Leaks Part #: 1100

BLOCK SEAL HEAD GASKET REPAIR

Bar's Leaks Block Seal Head Gasket Repair 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 patent pending repair 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. Works effectively on cast iron or aluminum blocks & heads. Detailed English / Spanish instructions on back label take you through each step of using the product. Overheating can be caused by a blown head gasket, cracked head or leaking block. Bar's Leaks Block Seal Head Gasket Repair eliminates this problem. In addition, overheating can be caused by a stuck thermostat, bad water pump or defective radiator cap. Make sure these cooling system parts are in good working order before using Bar's Leaks Block Seal Head Gasket Repair. When one of these parts fails, it can cause the head gasket to fail.



WARNING - Head Gasket Repair is **NOT COMPATIBLE** with antifreeze and must only be added to cooling system and radiator after **ALL ANTIFREEZE** has been removed.

Part Number:	1100
UPC Item:	0 46087 01100 3
UPC Case:	1 00 46087 01100 0
Bottle Size:	Net. Wt. 20 oz. (567g)
Bottle Dimensions:	3.4 x 1.8 x 8.3
Bottle Cube:	51
Case Pack:	4 bottles per case
Case Size:	7.3 x 3.6 x 8.8
Case Cube:	231
Case Weight:	5.8 pounds
Pallet:	TI 60 HI 6 Total 360
Pallet Height:	58 inches
Tariff Code:	2939.19.0000

TWICE THE PERFORMANCE

Part One – LIQUID CERAMIC

Liquid penetrates large and small leaks to form a seal actually harder than the original head gasket.

Part Two – REINFORCED FIBERS

Fiber additives lock together with liquid to increase strength and promote a permanent seal.

DOSAGE

1 to 2.0 gallon cooling capacity use ½ bottle.
2.0 gallon to 6 gallon cooling capacity use 1 bottle.
Larger systems use 1 bottle for every 6 gallons of coolant capacity.

MOST COMMON MAJOR COOLING PROBLEMS	THE SOLUTION, BAR'S LEAKS HEAD GASKET REPAIR
<ul style="list-style-type: none"> • Block Leaks • Cracked Cylinder Heads • Blown Head Gasket 	<ul style="list-style-type: none"> • Stops Block Leaks • Seals Cracked Cylinder Heads • Repairs Blown Head Gaskets

DIRECTIONS

1. Allow engine to cool. Make sure engine is cool enough so radiator cap can be safely removed. (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.
DISPOSAL: Observe local laws & regulations. Where permitted, dispose of in sanitary sewer system. Never pour on the ground or in a storm sewer system.
2. For hard to stop internal leaks where coolant is leaking into a cylinder or the cylinder pressure is pushing coolant out, locate the cylinder causing the problem and remove the spark plug for best results.
TIP: An indication of a cylinder causing the problem can be found by removing the spark plugs and looking for one that either cleaner than the others, or has a tint of antifreeze color on the tip or porcelain.
3. Shake well, Mix Head Gasket Repair in bucket or container with approximately 3 quarts of warm water. Pour this mixture directly into the radiator. If using a small cooling system, like 4 cylinders with no A/C, mix ½ bottle of the Head Gasket Repair with the warm water.
TIP: If you do not have access to your radiator, remove top hose where it connects to the top of radiator and install product in hose. Reattach and tighten clamp.
4. Fill cooling system with water and reinstall radiator cap.
5. Start engine.
6. Turn heater on hot and fan on high.
7. Run engine for 5 minutes or until thermostat opens.
8. Turn vehicle off and allow engine to cool.
9. Top off cooling system with water and reinstall radiator cap. If you removed a spark plug in step 2 reinstall now.
10. Run engine at idle until normal operating temperature is reached. Continue running engine at idle for 15 minutes.
11. Turn vehicle off and allow engine to cool.
12. Top off cooling system with water as needed and reinstall radiator cap.
13. Run engine at idle until normal operating temperature is reached. Continue running engine, but at high idle. (1500 RPM's) for 20 minutes.
TIP: For vehicles with intermittent or very minor leaks, it is recommended to follow step 13 by idling vehicle for one hour.
14. Turn vehicle off and allow engine to cool for 1 hour.
15. Remove radiator cap and drain system.
16. 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 17.
17. Flush entire cooling system and refill with manufacturer's recommended antifreeze/water mixture.