

# TECHNICAL SERVICE BULLETIN

NO. 76-A-9



# Triumph

September , 1976

UBJECT:

COOLING SYSTEM -  
BAR'S LEAK TREATMENT

MODELS:

TR7

During previous months we have referred you to the importance of cooling system integrity and correct cooling system filling procedure on TR7 (see Service Bulletins 76-A-1 and 76-A-7).

We believe that a number of TR7's are still being operated with the cooling system only partially full. As a result of this low coolant level, vehicles are running hotter than normal with extra stress being put on the cylinder head gasket, resulting in some failures.

In order to improve this situation, we have mailed a letter to all TR7 owners alerting them to the importance of correct cooling system filling procedure. Included with this letter was an instruction tag to be attached under hood, at the small pipe on the thermostat housing (see attached owner letter and photograph). We believe that this tag will assist owners or local gas stations in filling the system properly.

To further improve cooling system integrity, we have decided to apply Bar's Leak treatment to all retailed cars. The correct procedure for applying Bar's Leak is as follows:

1. Ensure that expansion tank is half full of coolant.
2. Set interior heater controls to "HOT" position.
3. Remove the thermostat housing filler plug. Add a 5 1/2 ounce can of "Pelletized" Bar's Leak. Top the level of the system up to the bottom of the thermostat housing filler hole with the normal solution of antifreeze.
4. Refit the thermostat housing filler plug.
5. Run the engine for approximately five minutes and check for any leaks.

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6. Stop engine, remove thermostat housing filler plug and top off coolant level as per instruction 3. Refit filler plug using new washer, if necessary.
7. Squeeze the top hose until all air is expelled.
8. Replenish fluid in expansion tank until it is half full and refit cap.

The above procedure should be carried out on any retailed car passing through your shop up to vehicle number 29,000. Any car over this number will have had treatment already applied. It is essential that when Bar's Leak treatment has been added, a dab of white paint be applied to the thermostat housing filler plug to ensure that the vehicle is not treated more than once. For your convenience, we are enclosing herewith an up to date listing showing your dealer stock and all retailed units. This should assist you in carrying out this service action on all cars up to the cut off number. We are also enclosing a quantity of instruction tags based on the number of cars which you have in dealer stock. Please ensure that a tag is attached underhood as per instructions in the Owner Letter. Hopefully, the retailed cars which you treat will already have had instruction tags attached by the owner.

The above operation can be claimed under Warranty using Service Code S807 - Material allowance 85¢ - Labor allowance 00.20 hours.

We also take this opportunity of reminding you that if a cylinder head gasket is being replaced, only the latest type of grey coated gasket is to be fitted. The part number of the new gasket remains unchanged - GEG 384.

D.J.B.



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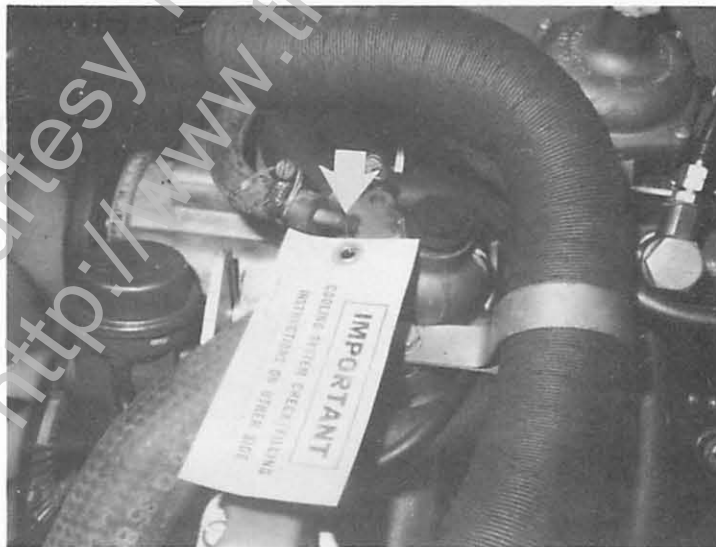
Telex 135491

September, 1976

Dear TR7 Owner:

In order that you may get the best possible performance from your car under varying conditions of temperature, we would like to remind you that it is essential to ensure that the cooling system is properly filled. It should be noted that the system must be checked on a regular basis to ensure optimum performance.

For your convenience, we are listing below the correct method of filling the cooling system of your car. Additionally, we are enclosing with this letter a small tag which details this procedure and which we would ask you to attach under the hood of your car in the position shown in the photograph. The tag should be attached to the small metal tube which protrudes from the thermostat housing and is adjacent to the black plastic filler plug. This plug is located almost directly in the center of the engine compartment. We feel that the instructions on this tag may be useful to a service station or anyone else who may be performing work on your car.



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The correct cooling system filling procedure is as follows:

1. Ensure that plastic bottle at right hand front side of engine compartment is half full of coolant. Leave cap off.
2. Set interior heater controls to HEAT position.
3. Remove thermostat filler plug and fill system to the bottom of the thermostat plug hole with 50% solution of antifreeze.
4. Refit filler plug.
5. Run engine for five minutes.
6. Stop engine, remove filler plug and top up to bottom of filler hole and refit filler plug using new washer, if necessary.
7. Squeeze the top hose until all air is expelled.
8. Replenish fluid in plastic bottle until it is half full and refit cap.

By following these simple instructions, you will ensure that your car is running at peak efficiency and we trust that you will take the time to utilize the enclosed instruction label for underhood.

Yours truly,

British Leyland Parts  
and Service Division

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