



# TECHNICAL SERVICE BULLETIN



TRIUMPH

Date September 1981

ITEM T81/16

SUBJECT: SERVICE ACTION F476 - RADIATOR ACTION

MODELS: Triumph TR7 and TR8

## INTRODUCTION

Investigation has shown that cooling system radiators on the above models can be affected by Factory installed anti-freeze. In service, a condition can occur where the radiator matrix becomes blocked with a white deposit at the end tubes. This deposit causes restriction of coolant flow and may result in vehicle overheating. This condition most frequently occurs during the first 12 months of vehicle operation. Any older cars in service most likely will not suffer from this problem. It has therefore been decided to carry out a Service Action on all new dealer stock of the models listed below.

## AFFECTED VEHICLES

TR7 - all new 1980 and earlier models in dealer stock  
(1981 models ARE NOT subject to this Action).

TR8 - all new 1980 and earlier models in dealer stock  
(1981 models ARE NOT subject to this Action).

## PARTS INFORMATION

In order to assist dealers commence this Action and to ensure the necessary material is immediately available, we are shipping an initial supply of special phosphate-free anti-freeze to each dealer directly. Please advise your Parts Manager to expect this shipment. Once this supply is exhausted, additional anti-freeze can be ordered from your Zone Parts Department in single gallon units.

The only material necessary for this Action is the special phosphate-free anti-freeze. This anti-freeze is packaged in one gallon containers under Part No. ZVW 244101K.

## WARRANTY INFORMATION

The warranty flat rate times for radiator removal and replacement are as follows:

TR7	- 0.80 hours
TR8 (non air)	- 0.85 hours
TR8 (air conditioned)	- 2.30 hours

The anti-freeze material allowance is one gallon for both TR7 and TR8.

THIS ALLOWANCE IS BASED ON THE CAR BEING REFILLED WITH A 50% SOLUTION OF ANTI-FREEZE.

continued

## ITEM T81/16 continued

In addition to the above, a maximum sublet allowance of \$25.00 will be given for proper radiator treatment by an outside shop as detailed in the following procedure.

## CLAIMS INFORMATION

Use regular Warranty Claim Form Ser. 6 indicating F476 in the comments box #20. Attach the sublet bill for radiator treatment (maximum sublet allowance is \$25.00). Anti-freeze should be claimed stating the Part No. ZVW244101K for a quantity of one.

## WORK SHOP PROCEDURE

1. Remove radiator from the vehicle and drain existing coolant.
2. Seal all holes in the radiator.
3. Prepare a 20% solution of sodium hydroxide (caustic soda) and heat to approximately 70° Centigrade.
4. Remove radiator filler plug and completely fill radiator with sodium hydroxide solution. Leave for 30 minutes.
5. Drain radiator and flush with clean water.

IT IS ABSOLUTELY ESSENTIAL TO MAINTAIN THE STRENGTH OF THE SODIUM HYDROXIDE SOLUTION. A FULL STRENGTH (20%) SOLUTION SHOULD HAVE A SPECIFIC GRAVITY OF 1.15 TO 1.28 AT NORMAL ROOM TEMPERATURE.

6. Again remove radiator filler plug and completely fill radiator for the second time with sodium hydroxide solution. Leave for 30 minutes.
7. Drain radiator and flush with clean water.
8. Refit radiator to vehicle.
9. Refill cooling system with anti-freeze Part No. ZVW 244101K to a 50% solution.
10. Attach a red F476 Identification Label to the coolant reservoir tank, adjacent to the filler cap. Ensure this area is wiped free of grease and dirt prior to attaching the label.

D.J.B.