MG ROVER GROUP

TECHNICAL BULLETIN

Model/Derivative:	***No:*** TB0022 Issue 1
All vehicles with K8 & K16 engines	***Date:*** 30.05.01
	Section: ENGINE

Title:

CYLINDER HEAD GASKET LEAKAGE

Affected range:

All vehicles with K8 and K16 four cylinder engines up to the following definitive engine numbers and approximate VINs:

K series engines are built on two separate engine assembly systems. Affected engines are up to the following numbers (approximate production build date March 2001).

Engine number 413284 (system 1) Engine number 667323 (system 2)

Approximate VIN introductions:

MGF RD 527784 R25 RF 585534 R45 RT 543110 R75 RJ 208514

Description:

Cylinder head gasket failure causing either oil to enter the cooling system, coolant contamination of engine oil or a visible external coolant leak at the head joint face. If undetected, overheating can result.

The original cylinder head / gasket to block alignment method used 2 nylon hollow dowels one either end of cylinder head. The 2 nylon dowels have since been replaced with steel dowels to improve alignment. This along with associated head gasket modifications to improve sealing and oil drain back have reduced the possibility of such failures occurring. All engines from the introduction numbers above have the latest head gaskets and dowels fitted.

Action required:

On confirmation that cylinder head gasket is leaking, replace gasket and fit the latest steel alignment dowels supplied with the later type head gasket described.

Detail:

Diagnosis:

- If an external coolant leak is visible, confirm that leak is actually originating from the head gasket and not from the inlet manifold gasket above. If manifold gasket is suspected replace gasket and carry out pressure test to confirm satisfactory, Workshop Manual repair number 30.15.08 refers.
- If external head joint leak is confirmed or coolant found to be contaminated with oil or engine oil contaminated with coolant, proceed with head gasket repair as described below.