INSTALLATIONADVICE

from BG Automotive

THEREASON

BGA

- Over long periods of non usage, oil can drain from inside of the Lifter. This may cause a rattling sound.
- Incorrect or contaminated engine oil will cause rattling or "pump up" in the hydraulic functioning system.
- Cracks on top of the bucket in a radial pattern can be due . to lack of Lifter rotation in the housing or oil starvation.
- Worn Valve Guides can cause Lifter misalignment which applies axial load to the upper sections of the Valve. This results in failure below the collet-line and a full Cylinder Head replacement is needed.
- Camshaft wear can be caused by either oil starvation, damage or age of the Valves and Lifters.

THESOLUTION

- Do not re-use worn Lifters.
- Lifters are supplied in air tight containers and should remain in an upright position to stop system drainage.
- Examine the Camshaft for profile differences and the Lifter housing tracks for wear. Replace components if necessary.
- New Lifters need to settle for 12 hours after installation.
- Replace the Lifters, Valves and Guides after timing failure.
- Pumping the BGA Lifter before installation inserts air into the hydraulic system and reduces performance.
- Replace the Rocker Arms if the bearing surface is worn.
- Always break in new Lifters and Camshafts together.

CONTINUED TECHNICAL RESEARCH, DEVELOPMENT AND IMPROVEMENTS MEAN THE MODERN HYDRAULIC LIFTERS ARE MORE RELIABLE AND HAVE A LONGER SERVICE LIFE.

HYDRAULIC LIFTERS

General replacement advice

FIGURE 1:

Oil flow and operation of the bucket style Hydraulic Lifter.





FIGURE 2:

Oil flow and operation of the cylindrical or "bullet" style Hydraulic Lifter.

For more information, call +44 (0) 1793 491 777 or email technical@bgautomotive.co.uk

RELATED BULLETINS

BGA products are to be replaced by an experienced automotive installer. This information is to be used as reference only. Always seek manufacturer specification.

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