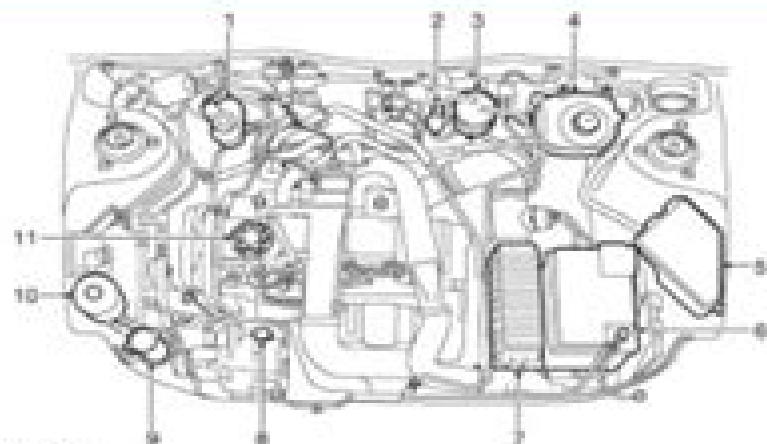


MG ZR 2001-2005 Workshop Manual



MG1-0718

- 1 Brake fluid reservoir (RHD shown)
- 2 Hand operated primer
- 3 Fuel filter
- 4 Coolant expansion tank and cap (RHD shown)
- 5 Engine compartment fusebox
- 6 Battery
- 7 Air cleaner
- 8 Engine oil dipstick
- 9 Windscreen and rear screen washers reservoir
- 10 Power assisted steering reservoir
- 11 Engine oil filler cap

CARRIER - CAMSHAFT

— 10.15.22

Remove

1. Remove hydraulic control unit. See ENGINE - X16 with VVC - Repairs.



MG1-0720

2. Remove carrier locking bolt (10.15.22).
3. Satisfactorily identify each camshaft timing gear to its respective camshaft.
4. Using tool 10-183, rotation each camshaft timing gear in turn and remove bolt and washer securing each gear to camshaft, remove gear.



MG1-7220

5. Remove 4 bolts securing rear camshaft timing belt rear cover, remove cover.



MG1-0721

26. Remove 12 bolts securing camshaft carrier.
27. Remove camshaft carrier.
28. Release gasket from flange on rear of carrier.



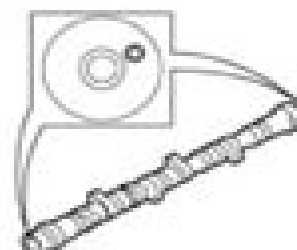
29. In sequence shown, loosen the 12 camshaft carrier bolts 2 to 3 turns.

CAUTION: Do not fully remove bolts at this stage.

30. Gently tap the camshaft carrier upwards to break the contact bond.

CAUTION: The camshaft carrier is stored located, do not tap sideways.

MG1-0722



MG1-0723

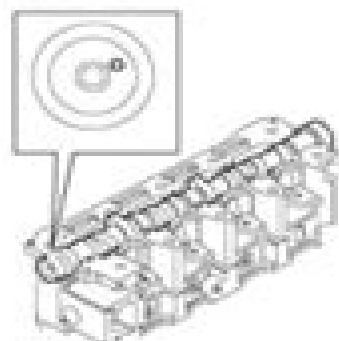
1. Check camshaft cams and bearing journals for signs of scoring and excessive wear.
2. Check camshaft gear and FIP belt drive gear drive pins for damage and wear, replace if necessary ensuring that split in pin faces towards centre of camshaft.
3. Check bearing journals in cylinder head and camshaft carrier for signs of scoring and excessive wear.



MG1-0724

35. Using a click magnet, remove 8 tappets from the cylinder head.

CAUTION: Keep tappets in their fitted order and store inserted to prevent oil loss. Do not separate tappet chambers together.



MG1-0725

36. Position camshaft in cylinder head with camshaft gear drive pin at approximately 2 o'clock position.



Mg Zr Engine Manual

Lei Huang

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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