

## Mazda 2.2 Exhaust Camshaft & Valve Repair

(HEADGASKET REPAIR)



FIRST CLASS  
SERVICES  
AUTOMOTIVE LTD

This is one of the most common and serious issues affecting the Mazda 2.2 diesel engine.

The exhaust camshaft wears prematurely due to excessive carbon build-up on the exhaust valves during the IDEVA process. When the vehicle is regularly driven on short journeys and does not reach full operating temperature, carbon deposits are not burned off. This causes the exhaust valves to stick in their guides. Over time, the sticking valves cause accelerated wear to the exhaust camshaft lobes (typically affecting 4 out of 8 exhaust valves). This leads to incorrect valve operation, excessive cylinder pressure, and ultimately head gasket failure.

⚠ Important: We do not replace the exhaust camshaft alone. If the sticking valves are not addressed, the failure will reoccur.

Our Repair Process	Step-by-step procedure
<p>We begin by either.</p> <ul style="list-style-type: none"><li>• Removing the Engine, OR</li><li>• Removing the Cylinder head with the Engine in situ (vehicle dependent)</li></ul>	<ul style="list-style-type: none"><li>• Full engine decarbonisation to remove all internal carbon deposits</li><li>• Complete strip-down and inspection of all related components</li><li>• Cylinder head removal and overhaul</li><li>• Replacement of all exhaust valves</li><li>• Thorough cleaning of valve guides</li><li>• Installation of new valve stem seals</li><li>• Reassembly using <b>OEM-specification parts and gaskets</b></li><li>• Replacement of the vacuum pump</li><li>• Replacement of pressure sensor and cleaning of all DPF pressure pipes</li><li>• Installation of new exhaust camshaft and rocker arms</li><li>• Fresh coolant replacement</li><li>• Engine oil flush followed by new oil and filter.</li><li>• ECU reset and relearn procedures.</li><li>• Extended road test of 50–100 miles to ensure correct operation</li></ul>

### Price

£2,500 – Inclusive of VAT

We recommend scheduling an overnight appointment, as this allows the sump sealer ample time to cure properly and ensures the best possible results.



## Mazda 2.2 Exhaust Camshaft & Valve Repair

(HEADGASKET REPAIR)



**FIRST CLASS  
SERVICES**  
AUTOMOTIVE LTD

### Optional Full Engine Rebuild

We can carry out a full engine rebuild at the same time for an additional £900.

- Gearbox removal
- Bottom-end engine strip-down
- Replacement of crankshaft main bearings
- Replacement of conrod bearings (£200 if added to head gasket)
- Replacement of piston rings (£500 if added to head gasket)

This option is recommended for higher-mileage vehicles or engines showing signs of wear, providing long-term reliability and peace of mind.

