

Camshaft Seized Causing Bent Valves After Replacing Cylinder Head.

Mazda BT50 / Ford Ranger WEC 3.0 Litre Turbo Diesel

Concern

Camshaft Seized and bent valves after cylinder head was replaced with exchange unit.

Causes

The customer fitted an exchange cylinder head to the vehicle after the original cylinder head had been damaged from overheating.

After fitting the exchange cylinder head the customer rang to state that the camshaft had seized causing bent valves.

Upon inspection of the cylinder head it was found that there was a severe lack of lubricant to the camshaft bearing journals causing the camshaft to seize.

The customer carried out further diagnosis on the engine and found that there was no oil supply to the cylinder head from the block at all!

Service Fix

The sump was removed from the engine and upon inspection it was found that the engine oil had been extremely overheated and had melted the plastic oil pick-up in the sump.

The customer replaced the oil pick up and rechecked oil flow to cylinder head, problem solved!



New Oil Pick Up



Melted Oil Pick Up



Call to Action

When a vehicle is presented to your workshop with an overheated engine and damaged cylinder head, there may well be an underlying issue that can remain unnoticed until it is too late, leading to costly rework repairs that can total up to \$6500.00 depending on the engine.

It is imperative that when a vehicle is presented for overheating issues that the oil supply system be checked for pressure and flow.

AHS provide a technical support service that can assist your business in the diagnostic procedure for this issue or for any other cylinder head repair advise. For this advice feel free to contact our Technical Support Manager, Geoff Gillam on 03 9586 4117

AHS also have a Jobbing Department where we can repair the original cylinder head to factory standards and should your cylinder head be beyond repair or if there is consequential damage to the bottom end of the engine we can supply an exchange cylinder head or exchange complete engine for quick turn - around.

Feel free to contact AHS for any advice on cylinder head and engine repairs or for an obligation free quote on 1300 41 61 81

All our cylinder heads and exchange engine are backed up by an industry leading warranty.