

## Misfire, rough running, Check Engine Light (CEL) might be on - Vehicles with 272 and 273 engines

Topic number	LI01.30-P-050379
Version	3
Design group	01.30 Cylinder head
Date	09-05-2014
Validity	Engine 272 and 273
Reason for change	Title and Remedy revised

### Complaint:

Customer complaints of misfire, rough running and diminished performance on vehicles with 272 or 273 engines. Check Engine Light CEL (MIL) might be on. Compression and or leak down test results show values out of specification.

### Cause:

Unfavorable wear of exhaust valve seats in cylinder heads. Refer to image examples in the attachments

Attachments	
File	Description
c class 203 exhaust valve guide wear. 004.jpg	exhaust valve seat wear image 1
DSCF0677.JPG	exhaust valve seat wear image 2
DSCF0680.JPG	exhaust valve seat wear image 3

### Remedy:

Replace affected cylinder head on engines up to engine numbers as indicated below. For similar conditions with engines outside of the serial number range, thorough investigation must be conducted including bore scoping combustion chamber for evidence of valve seat wear. Otherwise, claims could be rejected if the origin of the problem is not properly determined and not confirmed with evidence.

Engine 273 5.5L produced up to November 2009 – engine number 273.9xx 30 342934

Engine 273 4.6L produced up to August 2009 – engine number 273.9xx 30 328842

Engine 272 3.5L produced up to August 2009 – end engine number 272.9xx 31 322249

Engine 272 3.0L produced up to June 2009 – end engine number 272.9xx 31 267324