

DETROIT DIESEL



DDEC® VI Troubleshooting

NUMBER: 08 DDEC VI-53 **S.M. REF.:** 9.5, 5.4, 3.6 **ENGINE:** DD15 **DATE:** October 2008

SUBJECT: LOW COMPRESSION

PUBLICATION: DDC-SVC-MAN-0029

The "Low Compression" test has been updated.

Section	Title
9.5 Low Compression	Starting Difficulty-Engine Rotates
5.4 Low Compression	Excessive Crankcase
3.6 Low Compression	Rough Running or Stalling

LOW COMPRESSION

If a weak cylinder or low compression is suspected, perform the cylinder compression test using DDDL. If results indicate a weak cylinder, perform the manual compression test. Refer to "Cylinder Compression Test" section.

If low compression is found, check the following for possible causes of low compression:

- Valve lash/valve train damage
- Cam timing
- Cylinder liner/ring damage
- Injector hold downs and bolts
- Blown head gasket
- Cracked liner or head
- Valve or seat damage
- Missing/damaged injector seals

Repair any causes of low compression found using the *EPA07 DD15 Workshop Manual* (DDC-SVC-MAN-0002). Once repairs are made, verify repairs.

ADDITIONAL SERVICE INFORMATION

Additional service information is available in one of the DDEC VI troubleshooting guides.

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