

ZD30DDTi Engine Trouble Diagnosis

ZD30 Basic Service & Inspection

4. Battery / Alternator / GROUNDINGS

Given the engine's high reliance on ELECTRICAL POWER, ensure that the source of this is in perfect order.

- Clean / tight battery terminals
 - Battery can pass a load test
 - Alternator is charging properly - WHEN IT IS UNDER LOAD
 - Engine ground connections F8, F9.
- REFER TO PAGES 58 – 59 OF THIS MANUAL FOR MORE DETAIL.



5. Fuel Pressure

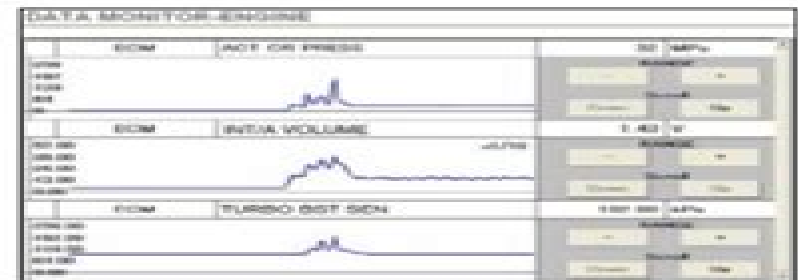
Use CONSULT in ENGINE – DATA MONITOR – ACT CR PRESS to determine the amount of fuel pressure in the rail.

Do NOT loosen a fuel line at the injector or rail!

REFER TO PAGE 14 OF THIS MANUAL FOR MORE DETAIL.

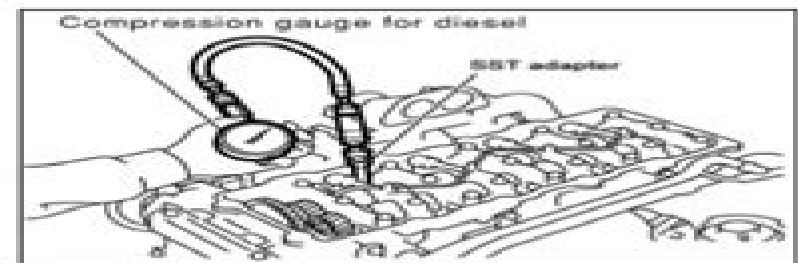
6. Turbo Boost Pressure / Mass Air Flow

Use CONSULT III in ENGINE – DATA MONITOR – INT/A VOLUME & TURBO BOOST SEN to determine the amount of air pressure (turbo boost) & airflow in the intake when the engine is starting, raced, under load. REFER TO PAGE 46 OF THIS MANUAL FOR MORE DETAIL.



7. Engine Compression

Ensure that there is suitable compression. Follow the directions outlined in section EM of the Service Manual.



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