

## 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.



# Nissan Zd30 Service Manual

**Patrick Vollmar**



## **Nissan Zd30 Service Manual:**

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