

Connection Diagrams – Test Conditions, General Information

Test conditions

- Inspect external condition of engine, check for leaks and noises.
- Most recent oil change should not be more than 1 year or 7,500 miles (12,000 km) ago. Otherwise, oil and filter **must** be changed under separate repair order.



- Engine oil temperature approximately 80 °C.



When diagnosing starting or warm up complaints, do not check engine at operating temperature, instead proceed according to specific complaint.

- Climate control system switched off.
- Engine coolant level correct.
- Engine oil level correct.
- Automatic transmission fluid level correct.
- Air injection must be off.
- Additional consumers must be turned off.

Safety notes:



All disconnecting/connecting of electrical components, as well as test meters and other test equipment, in the engine compartment and on the ignition system, must always be performed with the engine and the ignition turned off.

No voltage carrying components on the ignition system are to be touched when the ignition is turned on or the engine is running. Dangerously high voltage is present on the secondary as well as the primary side.

The safety cautions in the SMS repair instructions, group 15 are to be strictly followed.