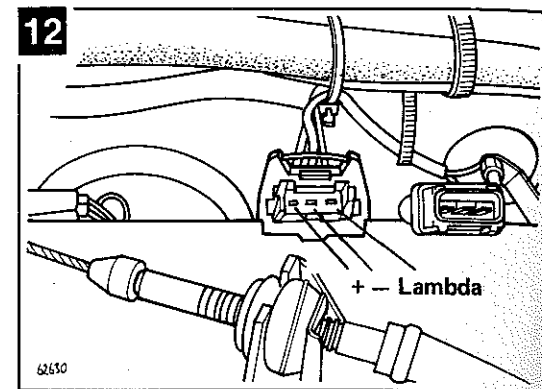


## Checking operation - 12

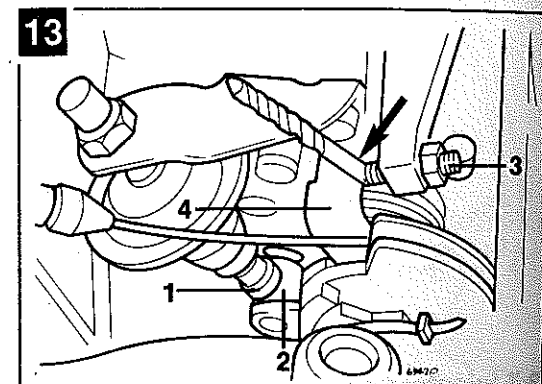
- Allow engine to idle for at least 2 minutes.
- Check CO level.
- Disconnect pressure regulator vacuum hose.
- Close off hose.
- CO level should rise briefly and then drop to normal.
- Reconnect vacuum hose.
- If CO level does not drop, disconnect Lambda sensor multi-plug.
- Connect multi-plug terminal (arrowed) briefly to battery positive supply.
- Connect multi-plug terminal (arrowed) to earth.
- If CO level increases and decreases, renew Lambda sensor.
- If CO level does not change check wiring and connections between Lambda sensor and ECU.



## 2.9 Overrun cut-off

### Checking operation

- Unclip insulation from one injector.
- Pull back boot from multi-plug connector.
- Connect diode test lamp across injector terminals.
- Start engine and allow to idle.
- Diode should flicker.
- Increase engine speed to approximately 3000 rpm.
- Close throttle sharply.
- Diode should go out briefly, indicating cut-off.
- If not, check electrical connections to control unit.



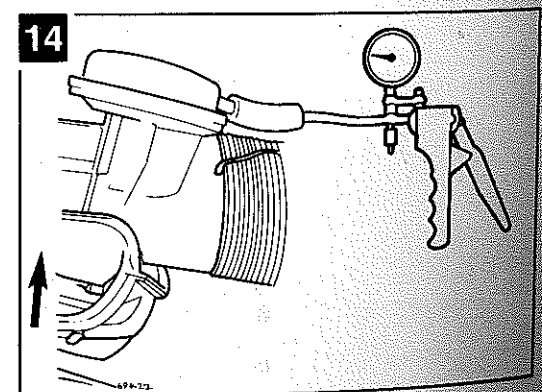
## 2.10 Throttle damper

### Technical Data

Setting clearance	2,5-4,0 mm
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### Checking - 13

- Check throttle initial position setting.
- Open stage 1 throttle valve.
- Close until plunger of throttle damper [1] just touches roller [2].
- Hold throttle in this position.
- Compare gap between limiting screw and throttle lever (arrowed) with that specified.



### Adjusting - 13

- Position 3,5 mm drill between limiting screw [3] and throttle lever [4].
- Slacken locknut.
- Adjust damper until plunger [1] just contacts roller [2].
- Tighten locknut and recheck gap.

## 2.11 Intake air pre-heating

### Checking - 14

- Remove intake housing and regulating flap from air cleaner.
- Disconnect vacuum pipe from air intake elbow.
- Apply vacuum to pipe.
- Check flap (arrowed) for freedom of operation.

## 2.12 Wiring & component check

- Reconnect vacuum pipe.
- Start engine and watch flap.
- With air intake temperature of 5-15°C, flap should be open.
- With an air temperature of 20°C, flap should be closed.

### Preparatory conditions - 15

- Battery fully charged and in good condition.
- Fuse No. 18, fuel pump, fuel pump relay and earth wires in good condition.
- Carry out tests with digital multi-meter.
- Ensure ignition switched OFF.
- Disconnect multi-plug from ECU.

### Test 1

- Connect digital voltmeter across the following terminals of harness multi-plug.
- Compare voltages indicated with those specified.

### Technical Data

Terminals	Condition	Voltage
13 & 14	ignition ON	approx. battery voltage
14 & 19	ignition ON	approx. battery voltage
3 & 25	operate starter	min. 8 volts
3 & 23	ignition ON	approx. battery voltage

- Connect digital ohmmeter across following terminals of control unit harness multi-plug.
- Compare resistances indicated with those specified.

### Technical Data

Terminals	Condition	Resistance - ohms
12 & 13		3,7-5,5
6 & 9	air temp. sensor	see Tech. Data
6 & 10	coolant temp. sensor	see Tech. Data
6 & 11	throttle closed	approx 1000
6 & 11	throttle just open	approx 2500
6 & 11	throttle fully open	approx 1000
6 & 17		500-1000
7 & 21	move air flow sensor flap	resistance changes
3 & 13	ignition ON	fuel pump must run
2 & 13	reconnect Lambda sensor	infinity

## Self-diagnosis

- Models from 9.90 fitted with self-diagnosis.
- If a fault occurs in system ECU will store fault in memory.
- Diagnostic connectors are located behind flap in glovebox.
- See Self-diagnosis section.

