

Engine management Component testing

Hyundai Accent/Pony/Excel 1.5 16V 1996.00

Engine code: G4K

Service adjustments

Fuel system

Intake system

- Throttle position (TP) sensor
- Mass air flow (MAF) sensor
- Intake air temperature (IAT) sensor
- Idle air control (IAC) valve

Ignition system

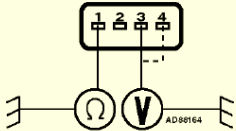
Engine sensors

Emission control system

Control system

Vehicle sensors

8



System name: Hyundai ECFI

Mass air flow (MAF) sensor

Checking earth connection - Fig. 8

Technical Data	
Terminals	Resistance
1 & earth	Zero

- Ensure ignition switched OFF.
- Disconnect MAF sensor multi-plug.
- Check resistance between harness multi-plug terminal and earth.

Checking supply voltage - Fig. 8

Technical Data		
Terminals	Condition	Voltage
3 & earth	Ignition ON	Battery voltage

- Ensure ignition switched OFF.
- Disconnect MAF sensor multi-plug.
- Switch ignition ON.
- Check voltage between harness multi-plug terminal and earth.

Checking voltage - Fig. 8

Technical Data		
Terminals	Condition	Voltage
4 & earth	Engine idling	0,7-1,1 V
4 & earth	3000 rpm	1,3-2 V

- Ensure ignition switched OFF.
- Do not disconnect multi-plug. Access MAF sensor multi-plug terminals.
- Start engine.
- Allow to idle.
- Check voltage between multi-plug terminal and earth.
- Increase rpm to specified value.
- Check voltage between multi-plug terminal and earth.

F1

F2

F3

F4

F5

F6

F7

Ctrl+F4

Ctrl+F8

Start

Internet Explorer

Microsoft Office Word

Microsoft Office Excel

Microsoft Office PowerPoint

Microsoft Office Access

Microsoft Office Outlook

Autodata CD-2

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