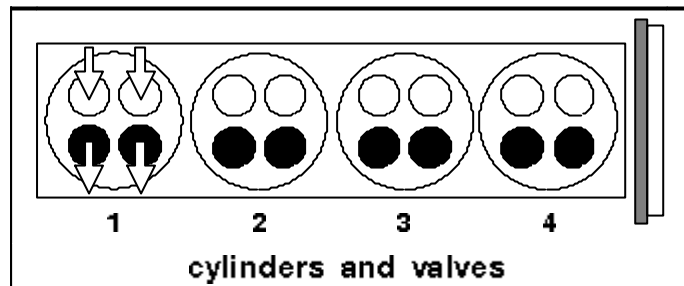


Ignition/Fuel system

Engine management

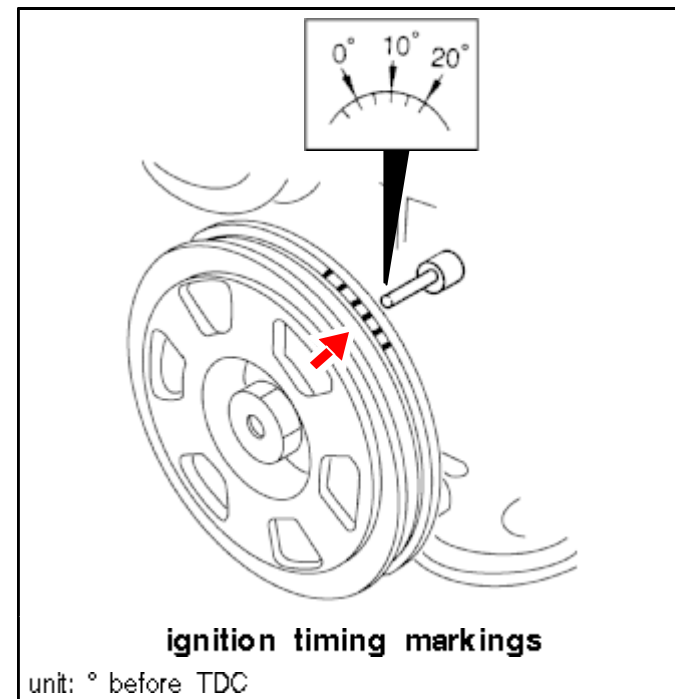
– GA14DE, GA16DE



technical specifications	
type	engine management
make and model	no data available
ignition	electronic
injection	multipoint injection
features	EGR system evaporative emission control system 3 way controlled catalytic converter
firing order	1 - 3 - 4 - 2
fuel pump pressure	no data available
system pressure	pressure regulator vacuum hose disconnected and blanked off; at idle speed: 2,94 bar

Adjustments

Ignition timing



dynamic ignition timing	at idle speed: $10^{\circ} \pm 2^{\circ}$; before TDC
-------------------------	--

Checks and adjustments

Check condition(s):

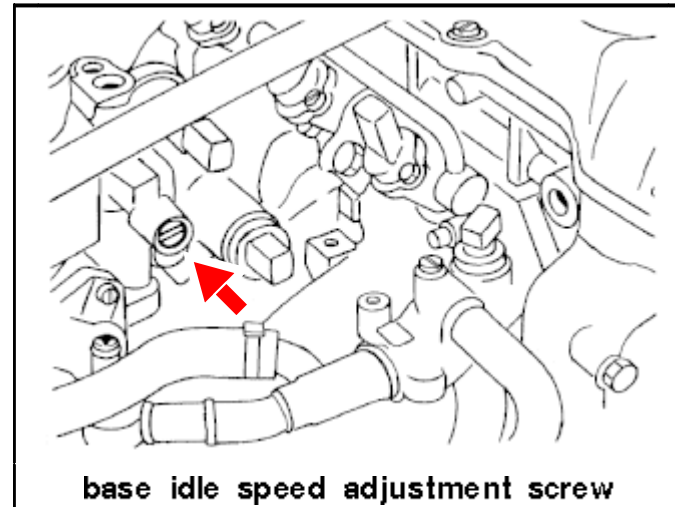
- engine warm
- radiator fan off
- all electrical consumers off
- automatic transmission in: "N".

Detach / disconnect: the throttle valve potentiometer connector.

Check the ignition timing with a rev. counter and a timing light.

Adjust by turning the distributor.

Connect: the throttle valve potentiometer connector.

Idle speed

idle speed	versions with daytime running lights and automatic transmission: $800 \pm 50/\text{min}$ other versions: $700 \pm 50/\text{min}$
base idle speed	$625 \pm 50/\text{min}$

Check condition(s):

- engine warm
- radiator fan off
- all electrical consumers off
- automatic transmission in: "N"
- ignition correctly set.

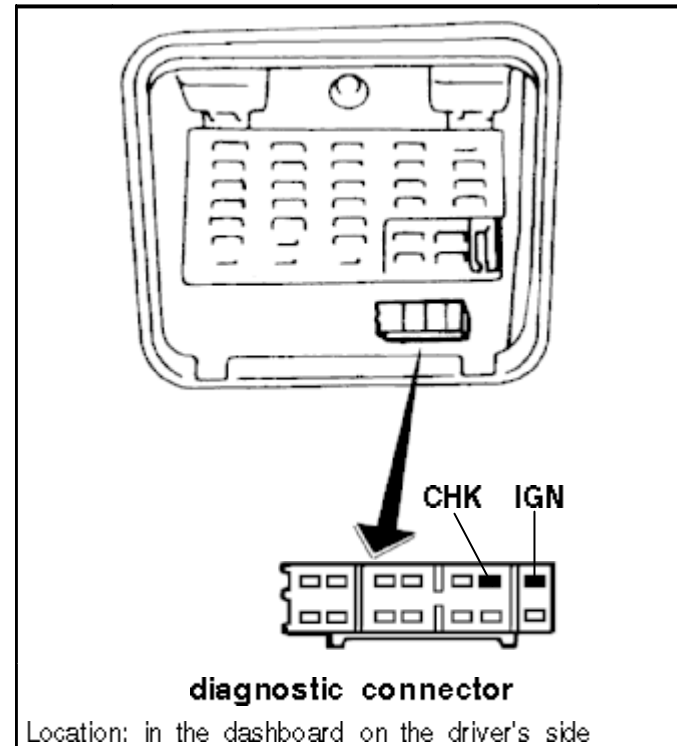
Detach / disconnect: the throttle valve potentiometer connector.

Set the base idle speed by turning the adjustment screw.

Connect: the throttle valve potentiometer connector.

Check the idle speed.

CO percentage



CO percentage

beyond catalytic converter; at
idle speed: 0,5 %

Check condition(s):

- engine warm
- radiator fan off
- all electrical consumers off
- automatic transmission in: "N"
- ignition correctly set
- idle speed correctly set.

Switch on the ignition.

On the diagnostic connector, connect: terminal IGN with terminal CHK; minimum 2 seconds.

Detach the connection.

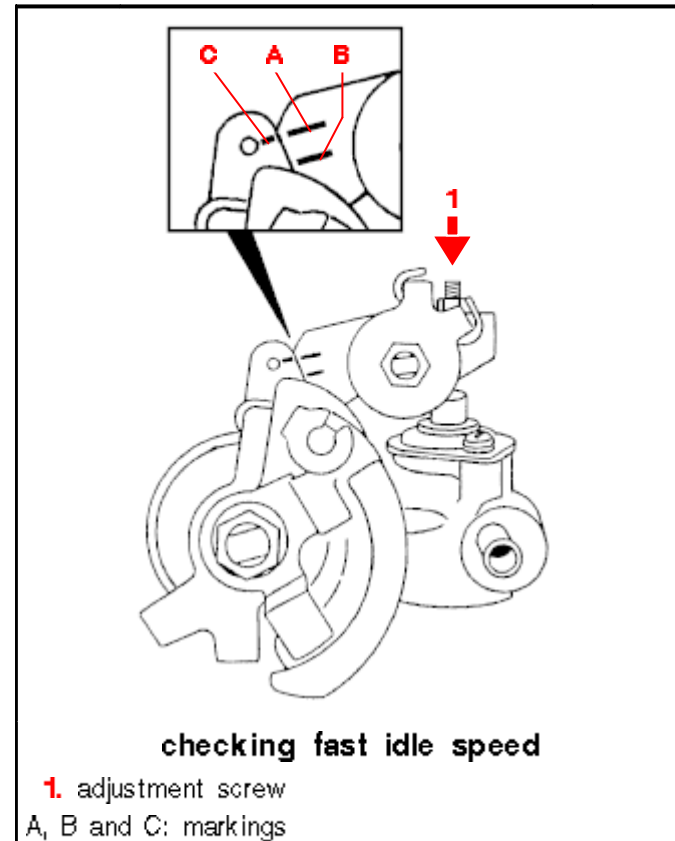
Start the engine.

Run the engine for 2 minutes: 2000/min.

With the engine running at 2000/min the diagnostic lamp on the dashboard must blink a minimum of 5 times within 10 seconds.

The CO percentage is non-adjustable.

Fast idle speed



fast idle speed	no data available
-----------------	-------------------

The fast idle speed with engine cold is controlled by a wax thermostat.

Check condition(s):

- engine warm.

Check that markings A and C are aligned.

If necessary: adjust using the adjustment screw.

Allow the engine to cool.

Check that markings B and C are aligned.