



KANGOO

XC0 D/E/J/N

13

13 ENGINE HESITANT AT AROUND 1400 RPM UNDER LOW LOAD, NO ILLUMINATION OF INJECTION WARNING LIGHT

Other sub-section concerned: 09

- Engines: F8Q 630 / F8Q 662
- Gearbox: XXX

Basic manual: M.R. 325 page 13-18

CUSTOMER COMPLAINT

- Hesitation when accelerating at low load at around **1400 rpm**.
This may be accompanied by a slight pinking noise.

POSSIBLE CAUSE

- Injection advance not sufficient.

NOTE : Do not adjust a hesitation in response during torque pickup when the engine has been balanced several times.

CLAIM COMPLETION AND CODING

Destination of removed parts :

- As per Warranty Policy and Procedures Manual.

New NITG Code : M518

Old NITG Code : None

Supplier Code : 001

Customer Complaint Code : 8B

Operation Code : 1999

Time allowed : 1 hour including test after replacement

Title : Replace engine speed sensor + test

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed".

All copyrights reserved by Renault.

Copying or translating, in part or in full, of this document or use of the service part reference numbering system is forbidden without the prior written authority of RENAULT.



AFTER SALES SOLUTION

Operation to carry out :

- Replace the original engine speed sensor by a sensor, Part No.: 77 00 113 119 which will allow the timing to be advanced by 2°.

Vehicles concerned :

- All KANGOO vehicles equipped with F8Q 630 and F8Q 662 engines

When to take action:

- Upon receipt of a customer complaint.

Part required:

- 1 sensor Part No.: 77 00 113 119.

Tooling required :

- Conventional.

Description of the operation:

- Replacing the sensor :

IMPORTANT NOTE : Never change a sensor without having checked the following components :

- . Routing of instrumented injection wiring harness.
- . Instrumented injector.
- . Pump timings.

- Disconnect the connector and remove the original sensor.
- Refit the new sensor and plug in the connector.
- Start up the engine.
- Test drive the vehicle and make sure the fault has disappeared.

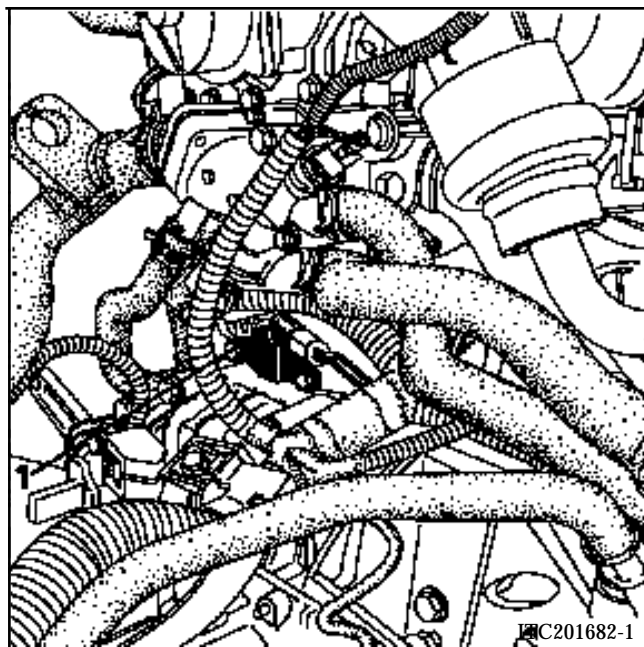


Fig. 1

1 Engine speed sensor

Difference between the TDC sensors

Engine speed sensor+ 0° advance

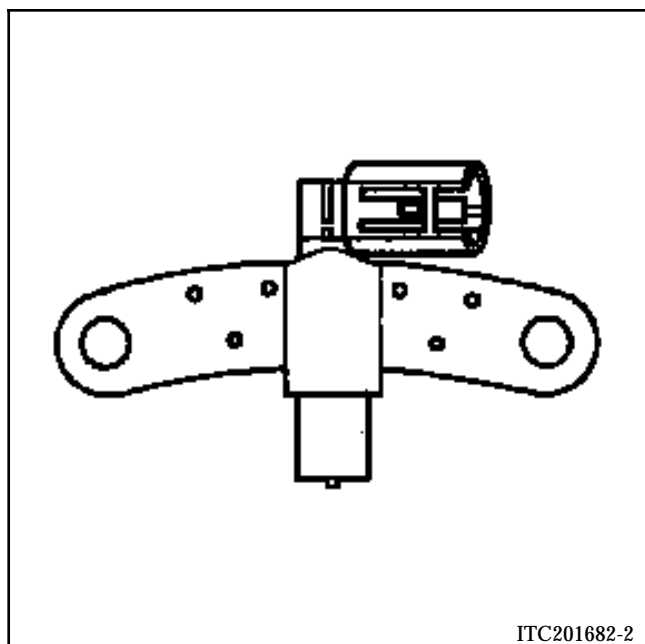


Fig. 2

Engine speed sensor + 2° advance

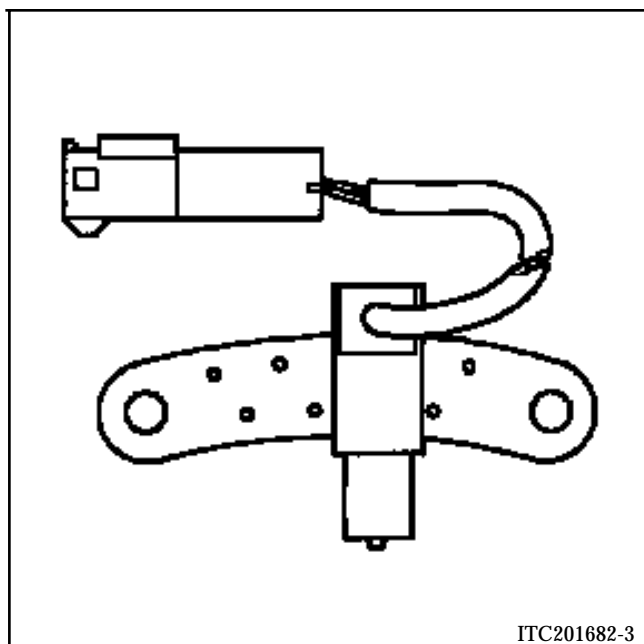


Fig. 3

NOTE : If the problem has still not been resolved after fitting the new + 2° sensor,

- Send appropriate sheet to Technical Dept., providing information on vehicle and problems
- Send appropriate sheet to Technical Dept. accompanied by a fax.