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LONG/DIFFICULT STARTING AND/OR IRREGULAR IDLE - NETWORK INFORMATION

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## Service News

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Fiat various models

Version: 500, Panda (169) and Grande Punto with 1.2 8 V and 1.4 8/16 V engine

1048 0 000 AA

ENGINE STARTING

Long/difficult starting and/or irregular idle - Network Information

10

29.12

### FAULT COMPLAINED OF

Long and difficult starting and/or irregular idling.

### TECHNICAL CAUSE

Fouling of the combined sensor and of the intake duct.

### OPERATIONS IN NETWORK

Once the customer's claimed fault is confirmed, before any repair and/or replacement operations, carry out the controls described hereby and restore the correct operating conditions of the intake circuit, according to the Operating Cycle below.

### OPERATION CYCLE

Check the correct operation of the intake circuit components, proceeding as follows.

- Check the correct conditions of the earth connections of the power unit - C002, C003, C012, C040, C060 - disconnecting and carefully cleaning their fastening seats, with reference to the Service Manual, Electric System E1020 EARTHS and Repair Procedures.
  - Check the conditions of the battery, with reference to SN 55.05.11. Restore its correct conditions or replace it, if damaged.
  - Check the engine oil level.
  - Check the conditions of the throttle body and carefully clean it if fouled: for removal and installation, refer to Op. 1056B15 of the Service Manual.
  - Check the correct operation of the intake air temperature/pressure sensor, with reference to Test 1056BU. If necessary, remove and carefully clean it or replace if damaged, with reference to Op. 1056B54 of the Service Manual.
  - Use the diagnosis equipment, in Parameter function, to check the correct operation of the switch on the clutch pedal. If necessary, restore its correct operating conditions or replace it if damaged, with reference to Op. 1056B78 of the Service Manual.
  - Use the diagnosis equipment, in Parameter function, to check the correct operation of the potentiometer on the accelerator pedal. If necessary, restore the correct operating conditions or replace the accelerator pedal, if it is damaged, with reference to Op. 1068A20 of the Service Manual.
  - Use the diagnosis equipment to check the correct intake pressure with idle speed, without any load engaged. If it ranges between 290 mbar and 330 mbar, the value is correct. Otherwise, proceed as below described:
1. check that there are no air leaks from the intake manifold, with reference to Op. 1072B10 of the Service Manual. If required, restore its correct operating conditions.
  2. make a compression test.
  3. check whether the timing system works properly, with reference to Op. 1072B10 of the Service Manual. If required, restore its correct operating conditions.
  4. for 1.2 8v engine only, check that the tappet clearance is correct, with reference to Op. 1036H14 of the Service Manual.

The correct values are the following:

1. Intake valve clearance in closed position - 0.3 mm;
2. Exhaust valve clearance in closed position - 0.4 mm;

If necessary, restore the correct values.

- Using the diagnosis equipment, reset the adaptive parameters and make a new self-learning; test the vehicle and check whether the fault occurs again.
- If the fault persists, replace the throttle body, with reference to Op. 1056B15 of the Service Manual.



During refitting, replace: seals, oil seal rings, spring washers, safety plates, self-locking nuts, pretreated screws and shear bolts.