

2. REFITTING OPERATION



Fit the lower cover.



Tighten to torque and in order the lower cover bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Proceed in the reverse order to removal.



Top up the engine oil([see 10A, Engine and cylinder block assembly, Engine oil - Oil filter : Draining - Filling](#)) .



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LPG INJECTION: PRECAUTIONS FOR THE REPAIR



Note:

It is essential that you respect the following safety advice before carrying out any operation on a vehicle equipped with the LPG system.

1. AUTHORISED WORKSHOP

Repairs to the LPG system must only be carried out in workshops that meet the requirements for this type of operation.

The workshop must be equipped with a BC type approved extinguisher.

The operational area must be well ventilated.

Only workshops equipped with an LPG flare for draining the system may carry out work on the LPG tanks.

2. AUTHORISED STAFF

Only qualified personnel who have received training regarding the LPG system may carry out operations on the system.

3. GENERAL SAFETY ADVICE

LPG is heavier than air in its gaseous form; do not work in a basement garage.

When carrying out any type of work on the LPG system, do not wear clothes containing acrylic or any other material which could generate static electricity.

Keep naked flames and all ignition sources (sparks, cigarettes, mobile phones, etc.) away from the work area.

During any operation on the LPG circuit, place a sign on the driver's seat position: "GAS WORKS IN PROGRESS, DO NOT MOVE", place signs in the working area: "GAS WORKS IN PROGRESS, DO NOT SMOKE".

If LPG comes into contact with the skin, it can cause frostbite due to the cold. It is advisable to wear

protective gloves and goggles.

Before the operation, visually inspect that the LPG components are in good condition.

Carry out all of the operations with the battery disconnected.

When carrying out any operations on the LPG system, it is necessary to connect the vehicle to earth.

Before using the flare, it is essential to read the replacement frequencies and authorised frequency of use for the components of the flare provided by the supplier.

Never retighten a union under pressure.

Never plug a leaking union with filling product such as teflon sheath, sealing paste etc.

Never reseal a union by adding filling product. If the leak is still present after torque tightening, always replace the pipe.

Do not repair any of the LPG system faulty parts; they must always be replaced.

Never attempt to remove the tank without having first drained it and rendered it inert with nitrogen (risk of explosion).

Do not replace components fixed onto the LPG tank (LPG tank polyvalve, LPG tank solenoid valve casing, overpressure valve), replace the entire tank assembly.

When an LPG component is removed, it must immediately be replaced or refitted.

Do not wash the engine compartment with a pressurised system or using detergents. These can cause the expansion valve membranes to deteriorate.

After carrying out any operations on the LPG system, check the sealing on the entire gas supply system using the leak detector [Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products).

Storing a tank which has not been drained and not rendered inert with nitrogen is prohibited. All tanks replaced during a repair operation should be stored outside and away from any combustible material.

4. IF THERE IS A LEAK OR SMELL OF GAS

In the event of a significant gas leak, it is important to move the vehicle outside, away from any residential areas by pushing it, if necessary.

The emergency services may be required to intervene if the situation cannot be controlled.