



MANUAL PUMP FOR PRIMING THE FUEL SYSTEM

User manual

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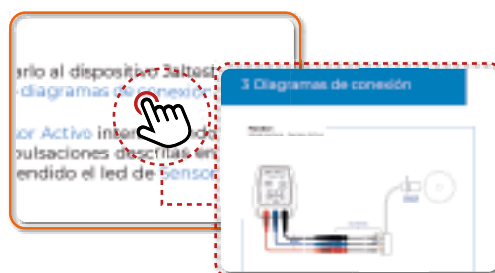
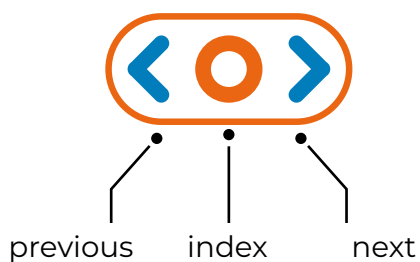
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1 INTRODUCTION

1.1 DESCRIPTION

The 50105253 manual priming pump is designed to facilitate the filling and draining of the diesel fuel circuit after maintenance operations, reducing start-up time and preventing the high-pressure pump from running dry.

1.2 APPLICATIONS

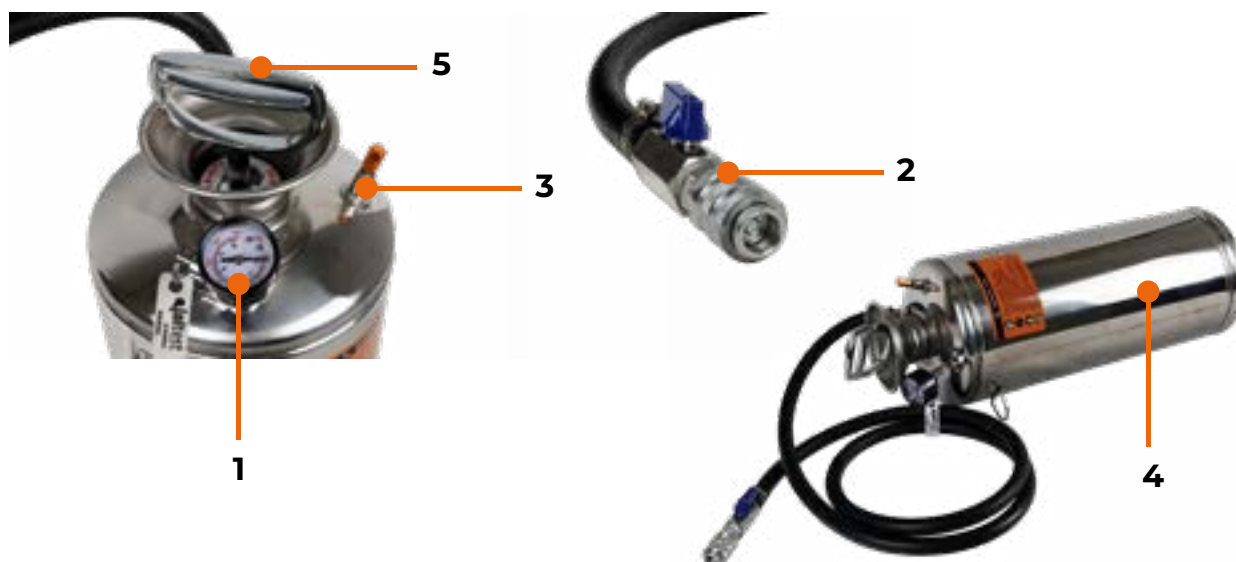
Vehicles with Mercedes-Benz OM 470, OM 471 and OM 473 engines, and DETROIT DIESEL MBE 900/4000 and Series 60 engines.

During maintenance operations such as:

- Fuel filter replacement.
- Fuel supply circuit repair.
- System air deletion.
- Start-up after maintenance.

1.3 MAIN COMPONENTS

1. Pressure gauge
2. Hydraulic quick coupling
3. Draining and filling valve
4. Tank
5. Pusher





2 INSTRUCTIONS FOR USE

2.1 INITIAL CONDITIONS

1. Park the vehicle on a level surface.
2. Activate the parking brake.
3. Place the gearbox into neutral position.
4. Switch off the engine and keep it cool.

2.2 CONNECTION AND START-UP

1. Remove the protective cap from the fuel filling valve.



2. Connect the quick coupling of the pump hose to the fuel filling valve.



3. Pressurise until the pressure gauge reads a pressure of more than 3bar.



Note: Never exceed 5bar.

4. Start the engine and let it idle for at least 5 seconds.
5. Increase the engine up to 1000rpm and maintain it for approximately 15 seconds.
Note: Noises or “squeaking” from the injectors are normal in these circumstances.
6. Switch off the engine.
7. Disconnect the pump from the fuel filling valve and fit the protective cap.



3 SAFETY WARNINGS

The following safety precautions must be taken into account in order to prevent accidents and/or injuries:

- Avoid contact with parts that may remain at high temperatures or that are moving.
- Wear suitable clothing.
- **Risk** of explosion due to fuel ignition. **Do not light fires, create sparks, carry out welding work or smoke whilst the equipment is in use.**
- **Risk** of poisoning through inhalation or ingestion of fuel.
- **Risk** of injury from fuel coming into contact with skin and eyes. Only pour fuel into approved and correctly labelled containers. Wear protective clothing and equipment (suitable goggles or a face shield, gloves, safety footwear).
- **Risk** of automatic engine start. Secure the vehicle against unintentional starting.
- **Risk** of injury from contusions and burns. Work in accordance with the applicable safety measures and do not touch hot areas and moving parts.

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