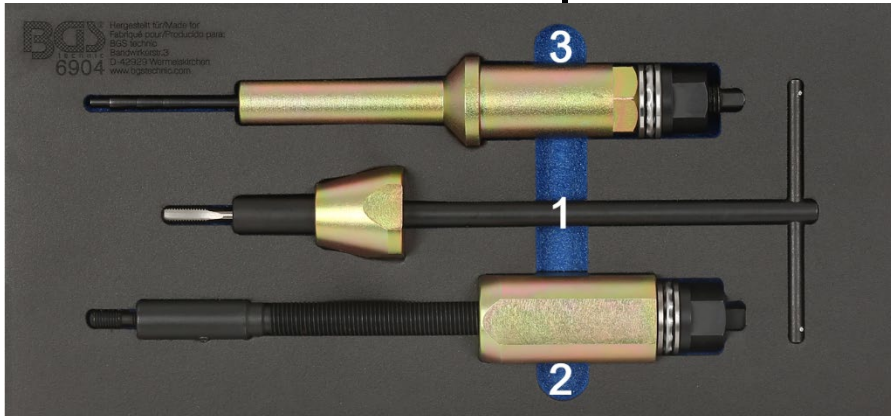


Injector Sleeve Tool Set | for Volvo FM12



TOOLS

- 1 Injector sleeve pre-cutter M9x1.25, to be used as OEM 9998252
- 2 Injector sleeve removing tool M9x1.25, to be used as OEM 9998253
- 3 Injector sleeve mounting tool M6x1, to be used as OEM 9998688

CAUTION

Read and understand all instructions and information in this manual.

Failure to follow the instructions and information listed below can result in serious injury and damage. Keep the operating instructions in a safe and dry place for future reference.

INTEDED USE

This tool set is made for removing and installing the injector sleeve and it is suitable for following commercial vehicle engines: Volvo FM12 / D12 (2000-2009), applicable on models Autocar, VHD, VNM, VNL, WG (copper sleeves with original replacement numbers 21098621, 3183368, 85116162, 85104134, 85124276 or 85104133) and Mack MP7 (2004-2007) (2007 non-conical injector sleeves), applicable on models CL, DM, CV, LE, MR, MV, RB, RD, CX.

SAFETY INFORMATIONS

- Read carefully the instructions before working with this tool set.
- Do not use this tool set for other purpose for which it is designed.
- Observe the general safety instructions for garages.
- Keep your work area tidy and clean.
Areas or corridors which are untidy increase the risk of injury.
- Always wear safety goggles and gloves when working with this tool set.
- Ensure a secure and well-gripped stance during working with this tool set.
- Check the condition of the tool regularly and do not use it if it is damaged.
- Make sure the tool is properly mounted.
- Do not over tighten the spindle or apply excessive force, as this may damage both the tool and the component.
- The tool is not suitable for impact wrenches. The use of an impact wrench can rupture tool parts and flying tool fragments can cause injury.
- This manual serves as a brief guide and does not replace a workshop manual. Always refer to the vehicle-specific service literature, particularly the technical data such as torque values and instructions for disassembly/assembly, etc.
- Always lubricate the spindle thread before working with this tool.
- Keep children and other unauthorized persons away from the work area.
- Do not let children play with the tool or its packaging and keep this tool out of the reach of children.

ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. Packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. Contact your local solid waste authority for recycling information.



USE

PREPARATION

1. Make an internal thread in the injector sleeve using the pre-cutter (1).

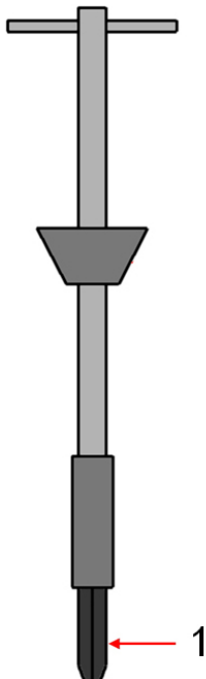
REMOVING

1. Insert the external thread (5) of the spindle (3) into the internal thread of the injector sleeve (7).
2. Hold the spindle (3), turn the spindle nut (4) clockwise and pull the injector sleeve (7) out of the cylinder head (6).

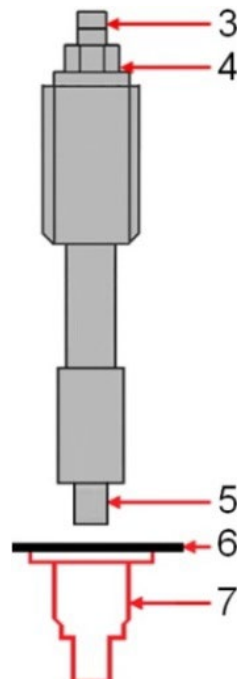
INSTALLING

1. Remove the expansion bolt (10) out of the tool (8).
2. Position the injector sleeve (9) onto the tool (8).
3. Insert the expansion bolt (10) back into the tool (8).
4. Insert the complete tool unit (8) with installed injector sleeve into the injector manhole.
5. Hold the spindle (11) and turn the spindle nut (12) clockwise.
6. The injector sleeve (9) will be pressure-grouted into the injector seat by the expansion bolt (10).
7. Pull the expansion bolt (9) over its entire length through the injector sleeve by turning the spindle (12) nut and holding the spindle (11).

PREPARATION



REMOVING



INSTALLING

