Engine **133, 134, 135, 139, 157, 176, 177, 178, 200, 256, 260, 264, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 281, 282, 285**

The valve cleaning set from company TUNAP can be ordered with immediate effect for cleaning carbonized intake valves.

It is not ordered via GLC Germersheim, but instead directly via the manufacturer.

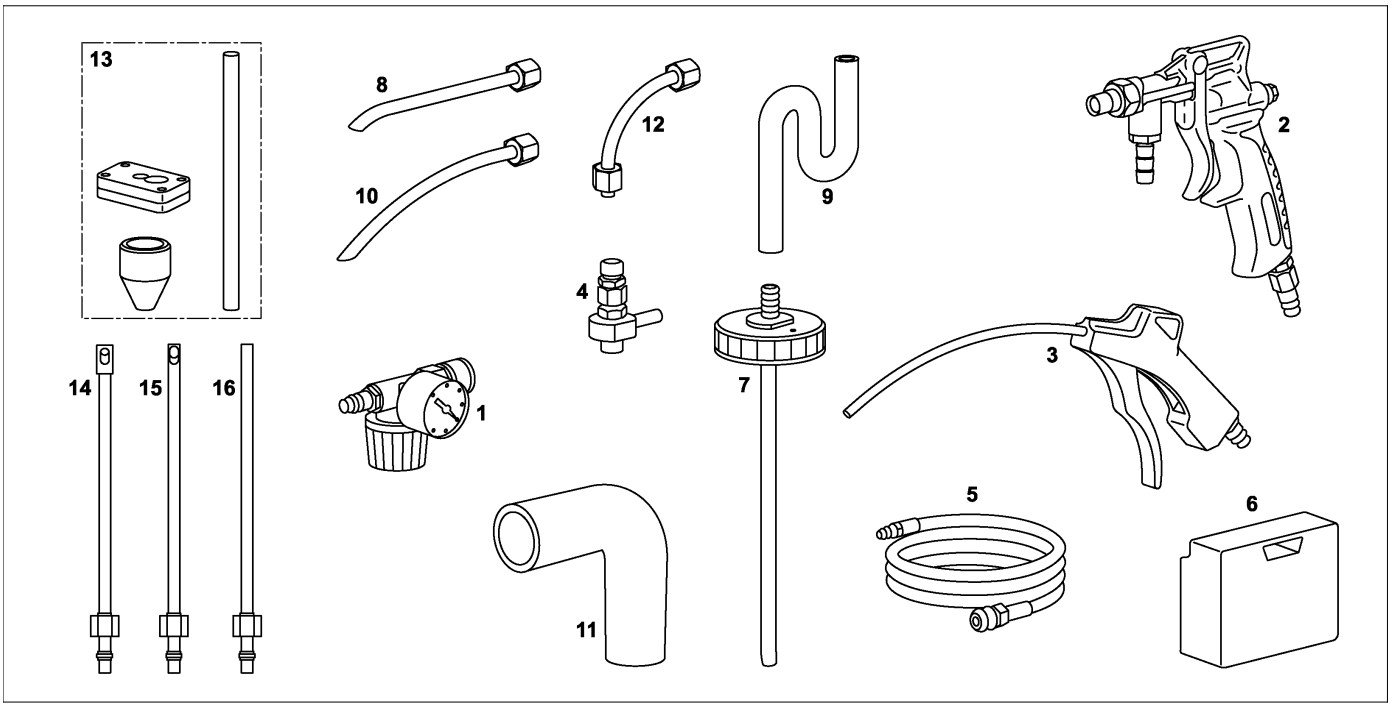
Order address:

TUNAP GmbH & Co. KG
D- 82515 Wolfratshausen
Germany
Telephone: +49 (0)8171 / 16 00 - 0
daimler@tunap.com
http://www.tunap.com

Required parts scope:

- Valve cleaning set in the case: 13400 DC
- Valve cleaning granules: 16 123 987 80
- Neutralization solution: 16 123 988 80

All parts of the valve cleaning set in the case can also be ordered individually (see table).



P05.30-A000-09

No.	Art. No.	Name
1	15 13413	Pressure regulator with manometer
2	16 13419	Jet gun
3	11 13421	Compressed air gun
4	11 13423	Tilting adapter
5	11 13424	Compressed-air hose
6	11 13710	Case for Valve Clean
7	11 13425	Granule adapter
8	11 13404	Universal jet pipe, long
9	11 13426	Connector hose
10	11 13406	Jet pipe, arched
11	11 13250	Adapter hose 35 mm to 28 mm
12	15 13417	90° swing pipe
13	11 13510	3-piece vacuum adapter
14	11 13414	Jet pipe, channel
15	11 13415	Jet pipe, 37 °
16	11 13416	Jet pipe, long

Safety information:

Observe the safety information for the cleaning media found on the manufacturer's containers.

When cleaning, the corresponding work clothes as well as safety glasses and protective gloves must be worn.

Turn engine using suitable tool until the valves are closed on each of the intake ports to be worked on.

Do not allow cleaning granules to get into the cylinder. Otherwise there is a danger of damage to the cylinder walls.

The following is required for a 4 cylinder engine cleaning process:

Description of the procedure:

[i] For a detailed description of how to use the cleaning equipment, see:

WIS Service Media

wsm://01_201800_91

Remove/install intake manifold/charge-air distributor according to WIS operation repair instructions.

A wet/dry vacuum cleaner is required to extract the cleaning granules.

[i] **Commercially available devices/tools**

Wet/dry vacuum cleaner

Minimum requirements:

- Continuously variable suction
- 2 cans of 933 valve cleaning granules
- 1 container of 936 neutralization solution is sufficient for approx. 3 applications.

- Diameter of the air intake hose or adapter of 35 mm
- Suction hose length of at least 1.5 m
- A pneumatic automatic switch-on function is recommended

Engine 642 in model 639
Engine 642 in model 906, 907

With immediate effect, the "microflex® 926 exhaust gas recirculation valve cleaner" from TUNAP® can be ordered for cleaning carbonized exhaust gas recirculation valves (engine 642).
Note: An official approval for cleaning parts of the exhaust gas recirculation currently only exists on the part of Mercedes-Benz for the exhaust gas recirculation valve.

Note: Cleaning the exhaust gas recirculation valve serves to eliminate carbon-containing soiling and thus reduces friction between valve wing and valve disk. Additional disassembly of parts on the exhaust gas recirculation valve is not permissible and necessary!
It is **not** ordered via GLC Germersheim, but instead directly via the manufacturer.

Order address:
TUNAP GmbH & Co. KG
Bürgermeister-Seidl-Strasse 2
D- 82515 Wolfratshausen

Germany
Telephone: +49 (0)8171 / 16 00 - 0
daimler@tunap.com
http://www.tunap.com

Ordering options:
a) Please select the regional online store using the following link:
https://www.tunap.com/en/tunap/worldwide/tunap.php

Note: previous registration is required.
In the search field, search for "926 EGR valve cleaner", select the article, place the article in the shopping basket and complete the purchase order.
b) If the required regional store is not selectable, please send the purchase order directly via email to "daimler@tunap.com".

Safety information:
Observe the safety information of the cleaner on the containers or the safety data sheet of the manufacturer.
Create body protection in accordance with TUNAP® and WIS work repair instructions.

Description of the procedure:
Removal
- Remove affected component part of exhaust gas recirculation (EGR); to do so, observe the corresponding repair instructions.

Cleaning
Component parts **must** be cleaned in removed condition.
When cleaning in installed condition, soiling which could lead to engine damage and damage to the exhaust gas aftertreatment system can work its way loose.
Clean component parts of EGR system according to instructions from TUNAP ®.
To do so, use current work instructions from TUNAP®.
- Remove coarse soiling in advance using a suitable tool.
- Apply cleaning gel.
  For the exhaust gas recirculation valve, the gel must be applied from above onto the valve disk. Once the gel has hardened slightly, the exhaust gas recirculation valve can be turned slightly and the gel can also be applied to the valve wing via the exhaust gas recirculation outlet side from below.
- Allow 15 minutes for the cleaning gel to take effect.
- During the time that the gel is taking effect: if necessary, use the supplied brush to work the gel into soiled areas.
- Carefully remove the dirt loosened by the gel using the brush or another suitable tool.
- Rinse component part with clean water.
- Dry component part with compressed air.
- Check whether there are still significant traces of soot deposits.
  If there are still significant traces of soot deposits, repeat cleaning.

Installation
- Install component part; to do so, observe the corresponding repair instructions.
- Conduct a road test.

For the exhaust gas recirculation valve, subsequently perform the dynamic exhaust gas recirculation valve test again.

Exhaust gas recirculation valve:
If any electrical faults occur on the exhaust gas recirculation valve, it must always be replaced.

Manufacturer's work instructions

DE	https://media.witglobal.net/stmedia/tunap/documents/LANG_de/1102037_UserManual.pdf
ES	https://media.witglobal.net/stmedia/tunap/documents/LANG_es/1102038_UserManual.pdf
EN	https://media.witglobal.net/stmedia/tunap/documents/LANG_en/1102037_UserManual.pdf
FR	https://media.witglobal.net/stmedia/tunap/documents/LANG_fr/1102036_UserManual.pdf
PT	https://media.witglobal.net/stmedia/tunap/documents/LANG_pt_BR/1105961_UserManual.pdf
IT	https://media.witglobal.net/stmedia/tunap/documents/LANG_it/1102037_UserManual.pdf
NL	https://media.witglobal.net/stmedia/tunap/documents/LANG_nl/1102036_UserManual.pdf

	Remove/install exhaust gas recirculation valve	Engine 642 in model 907 Engine 642.992 in model 906 Engine 642.896/898/993 in model 906	AR14.20-D-7662TSV AR14.20-D-7662SF AR14.20-D-7662SG
	Remove/install housing for exhaust gas recirculation valve	Engine 642.9 in model 639	AR14.20-S-7666SE
	Remove/install exhaust gas recirculation line downstream of exhaust gas recirculation valve	Engine 642 in model 907	AR14.20-D-1063TSV

© Mercedes-Benz AG, 8/27/21, X/08/21, si14.20-d-0005sg, Service Information: Cleaning components for exhaust gas recirculation
Engine 642 in model 639 Engine 642 in model 906, 907

	Remove/install exhaust gas recirculation line upstream of exhaust gas recirculation cooler	Engine 642 in model 907	AR14.20-D-1061TSV