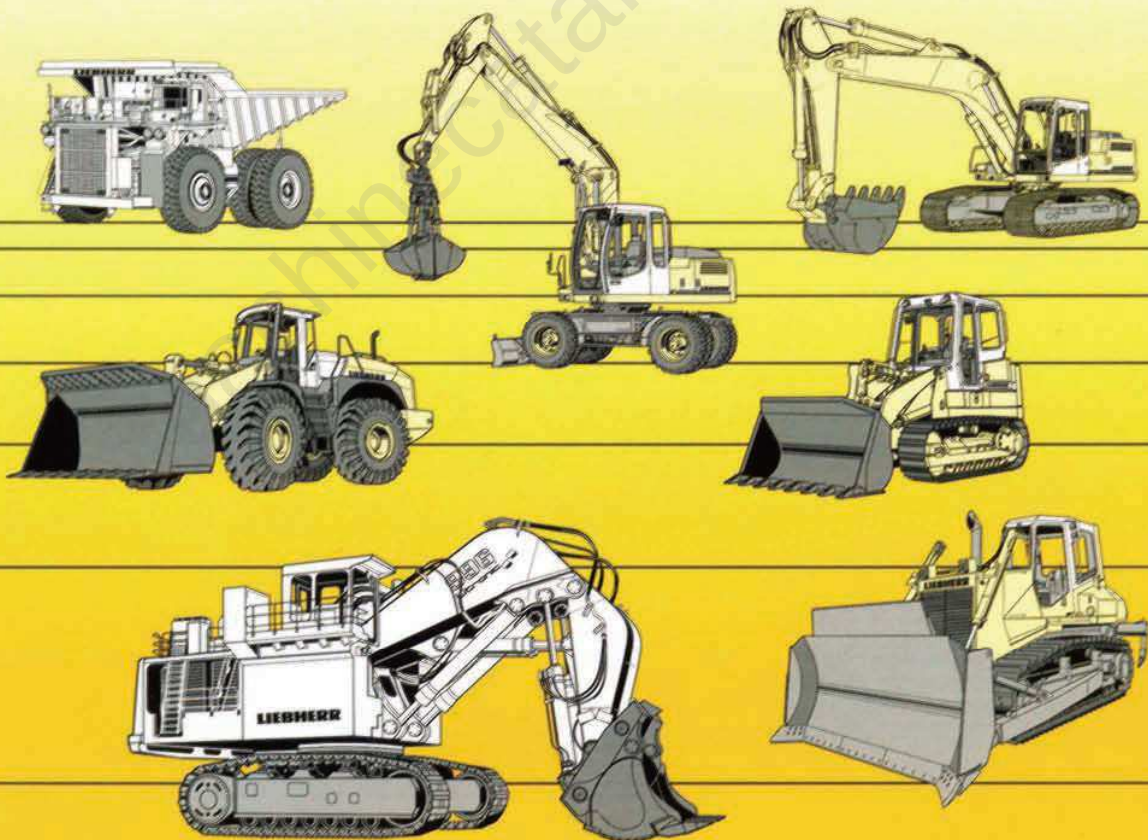


Workshop Manual
Diesel Engine
D9508 A7 / D9512 A7

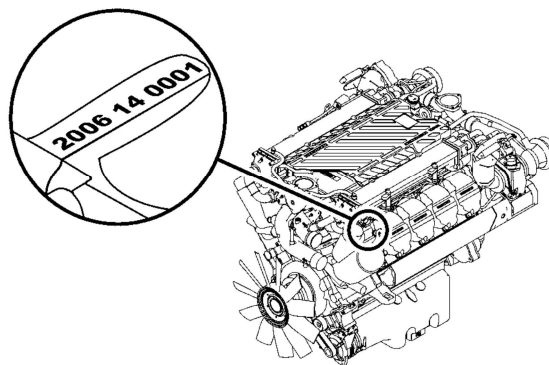


10036043

LIEBHERR

Technical Data

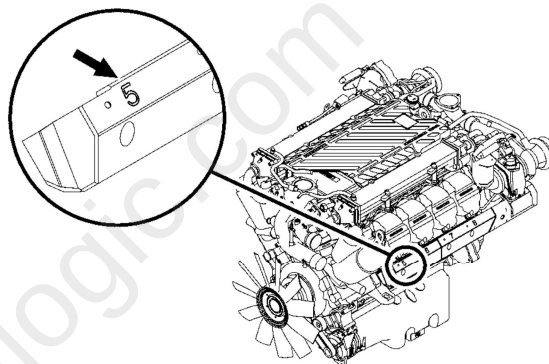
The engine serial number is stamped on the crankcase joint face to the cylinder heads.



140603

Firing sequence, cylinder classification, rotational direction and TDC mark

The cylinder numbers are stamped in the thermal-protection plates.



140720

Firing sequence D 9508:

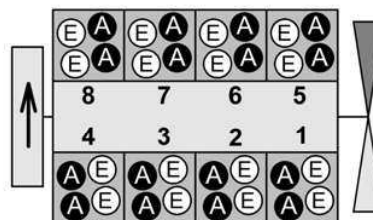
1 - 5 - 7 - 2 - 6 - 3 - 4 - 8

Firing sequence D 9512:

1 - 12 - 2 - 11 - 3 - 10 - 6 - 7 - 5 - 8 - 4 - 9

Cylinder 1 is located on the opposite side of the flywheel on the right.

The rotational direction is to the left, as viewed when looking at the flywheel.



140604

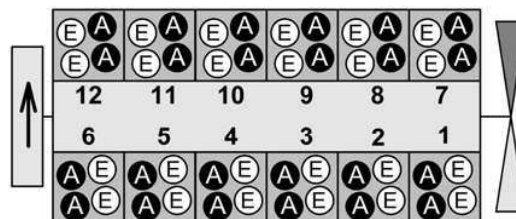
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1 - 8 Cylinder numbers D 9508

1 - 12 Cylinder numbers D 9512

A Exhaust valve

E Intake valve

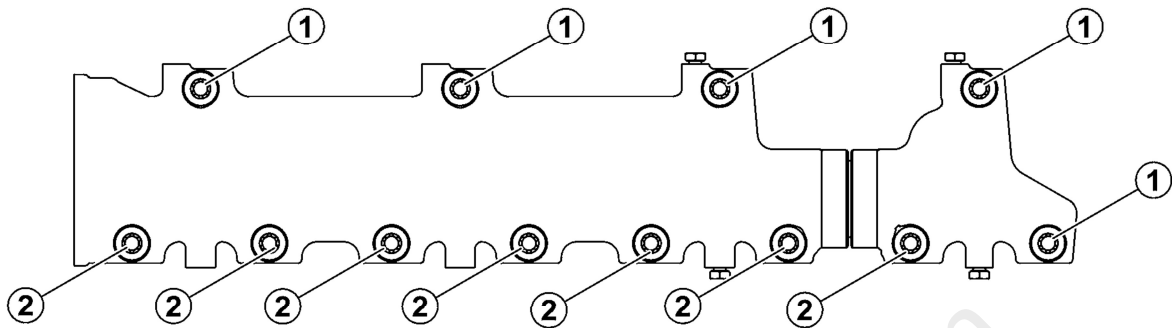


140605

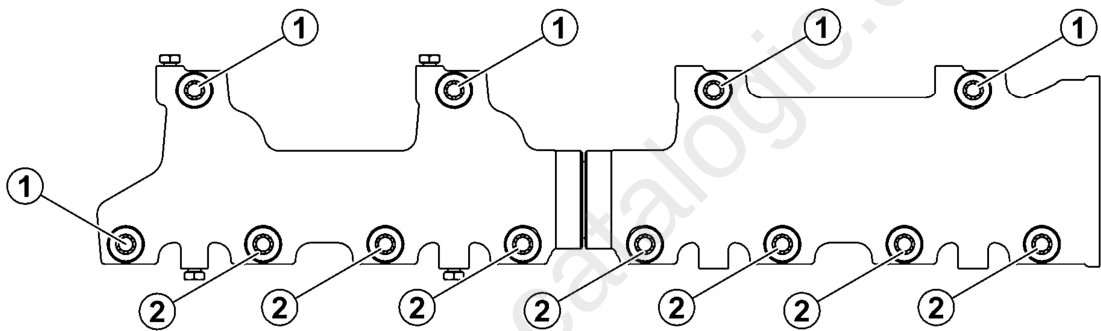
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Tightening specification exhaust pipe

A



B



140628

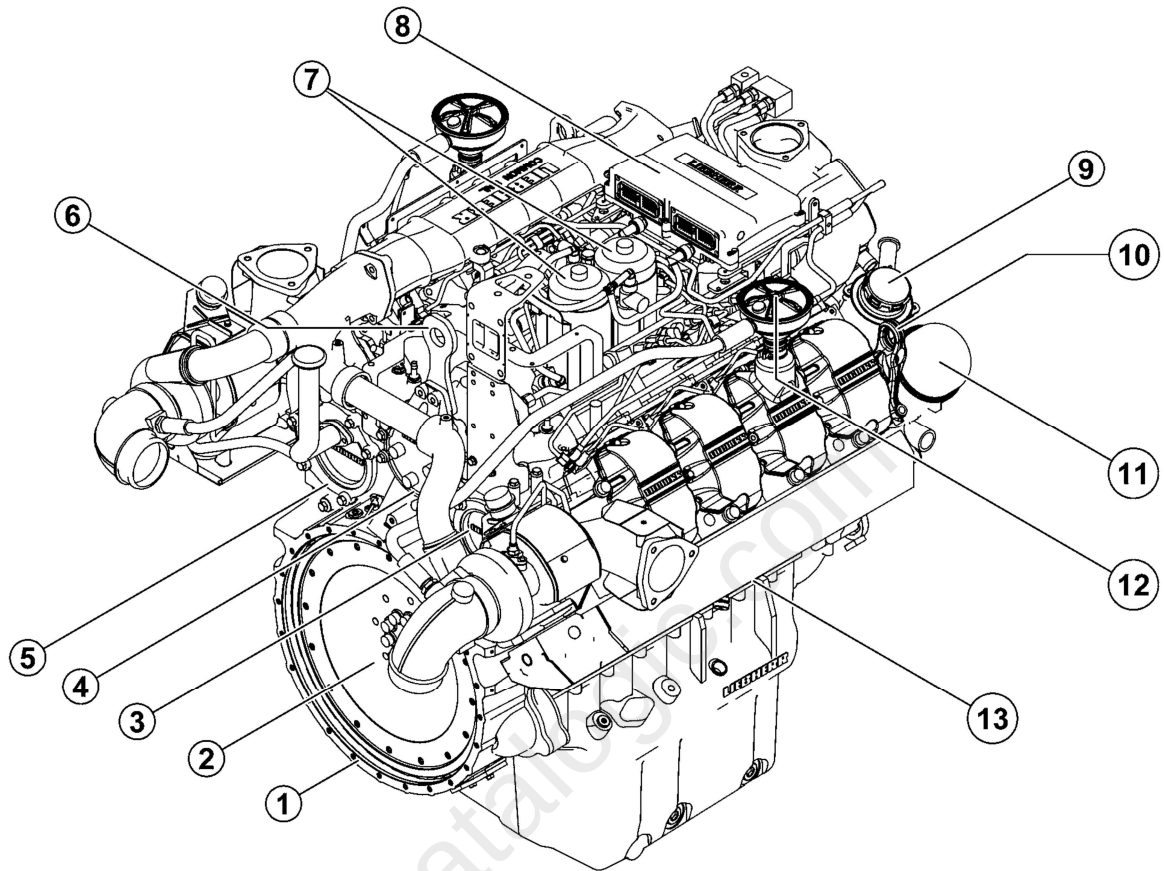
Pos.	Description
A	Right-hand exhaust pipe
B	Left-hand exhaust pipe
1	Torx bolt M10x55
2	Torx bolt M10x95

Torx bolt M10x55 and M10x95

Lubricant	-
Thread-locking adhesive	-
Stage	Torque in Nm
1.	20
2.	54

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140638

- | | | | |
|---|--|----|---|
| 1 | Flywheel housing | 8 | Engine control unit |
| 2 | Flywheel | 9 | Sealing cap crankcase ventilation |
| 3 | Sealing cap power take-off 2 or single-cylinder air compressor | 10 | Lifting eye (2x) |
| 4 | High-pressure pump drive with high-pressure pump | 11 | Oil filter |
| 5 | Sealing cap power take-off 1 | 12 | Crankcase aeration |
| 6 | Lifting eye (1x) | 13 | Upper section and lower section of crankcase (bedplate) |
| 7 | Fuel fine filter (KSC-module) | | |

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