

UP2DATE

Knorr-Bremse Clutch Compressor – Volvo/ Renault Applications

Compressors from Knorr-Bremse are installed on all types of commercial vehicles, producing compressed air for braking and suspension systems. In addition to the existing compressor range, Knorr-Bremse launched in 2013 a Clutch Compressor for Volvo/ Renault applications which is now also available for the Independent Aftermarket.

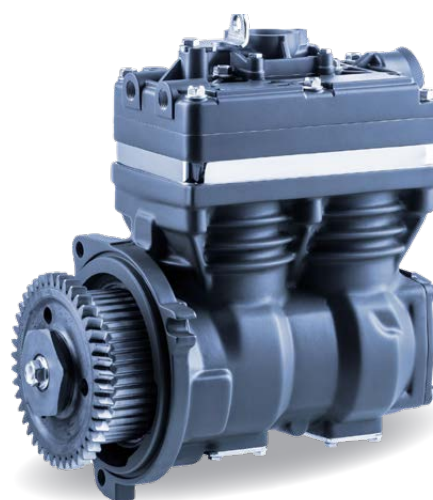
Knorr-Bremse was the first manufacturer to launch the Clutch Compressor to the European market. Unlike compressors using conventional technology, clutch compressors avoid idle running phases. Instead, there are standby periods during which the engine output is physically separated from the compressor, thereby saving energy and reducing compressor wear.

Knorr-Bremse Clutch Compressors convince by the following benefits:



- › Reduction of a truck's CO₂ emissions by up to 2.5 tons per year
- › Average reduction of diesel fuel consumption by up to 1,000 liters per year for a long haul vehicle
- › Reduced oil carry-over
- › Increased compressor lifetime

At a glance

- › Twin cylinder design 760cc
- › Operating pressure up to 12.5 bar
- › Water-cooled cylinder head
- › Pneumatically operated clutch



Overview of Compressors and their Service Kits

Type	Knorr-Bremse OE P/N	OEM	OEM P/N	Knorr-Bremse IAM P/N
Clutch Compressor MD11	K168652N06 K162777N06 K168639N06	Renault	23366838 23670686 23432714	K168629N00 € 
	K100417N07	Volvo	–	
Clutch Compressor MD13-16	K168655N06 K162834N06 K168064N06	Renault	23366840 23670689 23432716	K168064N00 € 
	K168655N07 K162834N07 K168064N07	Volvo	23366842 23670688 23432718	

€  - A core return deposit will be applied

Note: The "OEM P/N" should only be used as a reference for the identification of the relevant IAM part numbers. The information is supplied without liability.

In order to ensure the highest quality and an optimal service, Knorr-Bremse has developed a specific service concept for Volvo/ Renault Clutch Compressors. The service orientated repair kits combine all necessary components needed for a certain service action including the latest technical improvements and revisions.

Service Kits	Knorr-Bremse IAM P/N
General Maintenance Kit	K060320K50
Piston Kit	K060319K50
Cylinder Head Kit	K060323K50
Valve Plate Kit	K063323K50
Clutch Kit	K063324K50
Gear Kit MD11	K070057K50
Gear Kit MD13-16	K063325K50

For a safe and optimal service of the clutch, Knorr-Bremse offers a specifically designed Clutch Compressor tool case. Please refer to the corresponding Up2date **Y282362** for further details on our website **truckservices.knorr-bremse.com**.

KEEP IT RUNNING

Up-to-date information on our products can be found on our website **truckservices.knorr-bremse.com**



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Note

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If service work is carried out on a vehicle based on information provided herein, it is the responsibility of the workshop to ensure the vehicle is fully tested and in full functional order before the vehicle is returned into service. Knorr-Bremse accepts no liability for problems caused as a result of appropriate tests not being carried out.

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