

UP2DATE

KNORR-BREMSE CLUTCH COMPRESSOR FOR SCANIA APPLICATIONS

Compressors from Knorr-Bremse are installed on several types of commercial vehicles, producing compressed air for braking and suspension systems. In 2014 Knorr-Bremse launched a Clutch Compressor for Scania applications which is also available for the Independent Aftermarket.

Knorr-Bremse was the first manufacturer to launch the Clutch Compressor in 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.

The Knorr-Bremse Clutch Compressor provides the following benefits:

- Reduction of a truck's CO₂ emissions by up to 2.5 tonnes per year
- Reduction of diesel fuel consumption up to 1,000 litres per year for long haul vehicles
- Reduced oil carry-over
- Increased compressor lifetime

Key Facts Clutch Compressor Scania DL & DU

- › Twin cylinder design 720cc
- › Operating pressure up to 12.5 bar
- › Water-cooled cylinder head
- › Pneumatically operated clutch



Type Number	Knorr-Bremse IAM P/N		Knorr-Bremse OE P/N		Scania P/N		Application
	New P/N	Replaces P/N	New P/N	Replaces P/N	New P/N	Replaces P/N	
LS4903	K166784N00 €	K173752N00	K166784N05	K173752N05	2659943	2767828	Vehicles of the P-, R- and S-series with six-cylinder in-line engines (9 to 13 liters engine displacement)
		K131441N00		K075562N05		1936297	
		K139773N00		K131441N05		2477703	
		K155388N00		K139773N05		2577075	
				K155388N05		2760238	
LS4905	K167626N00 €	K155402N00	K167626N05	K155402N05	2958141	2760241	Vehicles of the P-, R- and S-series with eight-cylinder engines
		K156342N00		K156342N05		2619530	
		K138203N00		K138203N05		2493283	
				K096575N05		2422536	

€ - A core return deposit will be applied

Note: The "Scania 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 optimal service, Knorr-Bremse has developed a specific service concept for the Scania Clutch Compressor. The workshop-proven service kits combine all necessary components needed for specific service actions including the latest technical improvements and revisions.

Service Kit Part Numbers

Service Kit	Knorr-Bremse IAM P/N
General Service Kit	K221876K50
Piston Kit	K097450K50
Cylinder Head Kit	K189905K50
Clutch & Gear Kit (only for LS4903)	K221892K50
Clutch & Gear Kit (only for LS4905)	K224827K50
Clutch Kit*	K232741K50

*for the latest version only or when the clutch and gear have already been replaced by the new clutch version

For a safe and optimal service of the clutch, Knorr-Bremse offers a specifically designed Clutch Compressor tool case. For further details please refer to the corresponding Up2date Y282362 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

All information is subject to change. A printed version of this document may therefore not correspond to the latest revision. To obtain the latest version, please visit our website truckservices.knorr-bremse.com or contact a Knorr-Bremse representative in your area.

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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