

### Spare parts for disc brakes: Brake pad repair kits, brake discs and wear indicators

This document contains an overview of the brake pad repair kits, brake discs and wear indicators currently available from WABCO for repairing WABCO disc brakes.



This overview is intended to assist you in selecting the spare parts to be changed as well as the quantities required.

The brake pad repair kits contain components for equipping an axle. For both brake discs and wear indicators, however, it is necessary to check what quantities are required for repairing an axle. Please refer to the information in the overview regarding this.

All the spare parts we supply are of OEM quality you have come to expect from WABCO.

#### Brake pad repair kits

Our repair kits for pneumatic disc brakes contain all the spare parts required for a correct repair and replacement of brake pads; i.e. not only the brake pads but also additional individual parts such as hold-down springs, locking screws and holding bars.

In this regard, we should point out that many brake pad repair kits for our brakes sold in the spares market are not OEM products supplied by WABCO

Both the contents and the quality of such repair kits do not match those of our genuine repair kits. This represent a major safety risk!

Quality checks have revealed that the accessories sold do not meet the criteria claimed for them and the result may be premature failure of the pad locating mechanism.

Furthermore, as described below, the braking system may suffer not only from increased wear but also from a total failure.

#### So why is it so important to use genuine parts?

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### **Optimum correlation between the brake pad and brake disc**

Only by having the correct, authorised brake pad quality is it possible to ensure the greatest possible safety, optimum wear properties and brake comfort.

### **Hold-down springs with tested spring forces**

Brake hold-down springs are subject to wear and have to be replaced every time the pads are changed. The hold-down forces of the pad springs vary over the lifetime of a pad. Only by fitting new springs when installing new brake pads is it possible to ensure that the brake calliper can move optimally.

- Breakage hazard -> Loss of pads  
-> Total failure
- Reduction in spring forces -> Increased wear

### **Plug of the adjusting screw**

Only the genuine plug with its specially formed sealing lips ensures the brake is optimally sealed to prevent water ingress and contamination.

- Corrosion -> Brake malfunction and failure

### **Holding bars with optimised wear properties and corrosion resistance**

Holding bars are subject to wear in the same way as brake pad hold-down springs are. Optimum brake function can only be assured by replacing them at the same time as fitting new brake pads.

- Wear -> Non-controlled wear progress

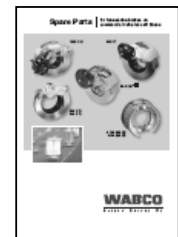
### **Thread sealing**

The only way to prevent the locking screw from coming undone by itself is to use a new locking screw with a screw locking product applied to the surface.

- Unfastening of the locking screw -> Total failure of the brake

By using genuine WABCO parts, you can avoid brake malfunctions due to non-controlled wear progress or even brake failures and disc damage caused by lost pads!

For more information about our spare parts for disc brakes on commercial vehicles and buses, please refer to the booklet of the same name, order no. 720 000 003 3. This also contains technical information about the basic settings of brakes.



Vehicle / Axle Manufacturer	Vehicle / Axle Type	Brake Type	Brake Pad Repair Kit (per axle)		Brake Disc (per brake)		Wear Indicator
			Front Axle	Rear Axle	Front Axle	Rear Axle	
DAF	Type LF 45; 6,2 - 12 t (from 11/2000)	<b>PAN 17 :</b> 40 175 070 / 071 / 072 / 073	12 999 743VT	12 999 743VT	12 999 756VT (7t) 12 999 757VT (12t)	12 999 758VT	incl. in brake pad repair kit
DAF	Type LF 55; 12 - 15 t (09/2000 till 01/2003)	<b>PAN 19-2 :</b> 40 195 007 / 008 / 011 / 012	12 999 748VT	12 999 748VT	12 999 760VT	12 999 759VT	incl. in brake pad repair kit
DAF	Type LF 55; 12 - 15 t (from 02/2003)	<b>PAN 19-1 plus :</b> 40 195 043 / 044 / 045 / 046	12 999 791	12 999 791	12 999 760VT	12 999 759VT	incl. in brake pad repair kit
DaimlerChrysler	Sprinter/Sprinter Vario Dual tires; 4,6 t	<b>244 V-Ö :</b> 40 244 001 / 002 / 009 / 010 / 017 / 018	12 999 541VT	12 999 541VT			13 480 023 (per brake)
DaimlerChrysler	Van 207 D till 310 (T1 series, max. till 1995) Off-Road Vehicle 230 GE till 500 GE AMG	<b>444 F-Ö :</b> 40 444 149 / 150 / 183 / 184 / 221 / 222	12 999 165VT (Ferodo) 12 999 221VT (Textar)				
Dennis	Enviro 300	<b>PAN 19-1 plus :</b> 40 195 019 / 020 / 039 / 040	12 999 770	12 999 770	13 162 046	13 162 047	incl. in brake pad repair kit
IVECO	Daily Van Types 35-10 till 49-12 Turbo Basic and Classic	<b>444 F-Ö :</b> 40 444 191 / 192 / 205 / 206 / 223 / 224	12 999 646VT				
IVECO	Daily Van Type 59-12 Turbo Intercooler	<b>450 F-Ö :</b> 40 450 007 / 008 / 013 / 014	12 999 563VT				
IVECO	Truck EuroCargo Type 120 EL	<b>PAN 17 :</b> 40 175 058 / 059 / 060 / 061	12 999 698VT		12 999 728VT (per axle)		incl. in brake pad repair kit
Leyland/DAF	Type 45 Roadrunner; 6-8 t	<b>456 F-Ö :</b> 40 456 033 / 034	12 999 325VT		13 162 041		
Leyland/DAF	Type 45 Roadrunner; 8-11 t	<b>465 F-Ö :</b> 40 465 019 / 020	12 999 325VT		13 162 042		
Leyland/DAF	Type 50/55 Roadrunner; 11-15 t	<b>1600 V-G :</b> 40 160 005 / 006 / 015 / 016	12 999 665VT		13 162 043		
MAN	L2000 (09/1993 till 12/1996)	<b>1000 V-G :</b> 40 100 001 / 002 / 005 / 006	12 999 629VT (Ferodo) 12 999 631VT (Textar)				
MAN	L2000 (from 01/1997) and M2000-L till 12 t (from 02/1996)	<b>PAN 17 :</b> 40 175 025 / 026 / 027 / 028 / 049 / 050 / 051 / 052 / 080 / 081	12 999 667VT**	12 999 667VT**			12 480 021 (per brake)
Neoplan	Coach Type N 8008 and Metroliner	<b>1000 V-G :</b> 40 100 003 / 004	12 999 631VT	12 999 631VT			
Renault	Midlum M 112; 7-12 t	<b>PAN 17 :</b> 40 175 062 / 063 / 064 / 065	12 999 703VT	12 999 703VT			incl. in brake pad repair kit
Renault	Midlum M 113; 14-16 t	<b>PAN 19-2 :</b> 40 195 009 / 010 / 021 / 022	12 999 747VT	12 999 747VT			incl. in brake pad repair kit
SAF	SKRB 9019 W Intradisc plus (Kempf, Kögel, Krone, Schwarzmüller)	<b>PAN 19-1 plus and 19-1 :</b> 40 195 001 / 002 / 003 / 004 / 017 / 018 / 037 / 038	12 999 737VT for all axles				12 999 755VT (per axle)
SAF	9t axle: SKRS 9022 W; SKR(L)B 9022 W, SKRZ 9022 W 11t axle: SKRS 11222 W, SKRZ 11222 (Kempf, Kögel, Krone, Schwarzmüller)	<b>PAN 22-1 :</b> 40 225 007 / 008 / 015 / 016	12 999 796 for all axles				12 999 797 (per axle)
SMB	(Benalu, Fruehauf, Trailor, Blond-Baudoin)	<b>PAN 22 :</b> 40 225 003 / 004	12 999 676VT for all axles		13 162 025 for all axles		

\* only for information

\*\* replaced by 12 999 782 from mid 2004