

BVA

Brake Pad Wear Indicator
for Disc Brakes with Trailer EBS

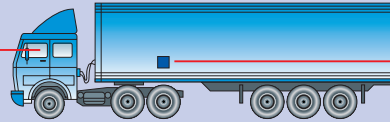


WABCO

Safety first



Sticker for truck 813 000 024 3
(size 4 x 1.7 cm):
supplied on DIN A4 sheet with 44 stickers.



Sticker for trailer 813 000 025 3
(size 15 x 10 cm)

Better Control

Wabco now offers a reliable brake pad control solution for WABCO Trailer Electronic Braking System (EBS) and WABCO Vario Compact ABS of the second generation (VCSII) with GIO function - the Trailer EBS brake pad wear indicator-BVA. With this solution the thickness of the disc brake pad is constantly monitored.

Safety constantly in sight

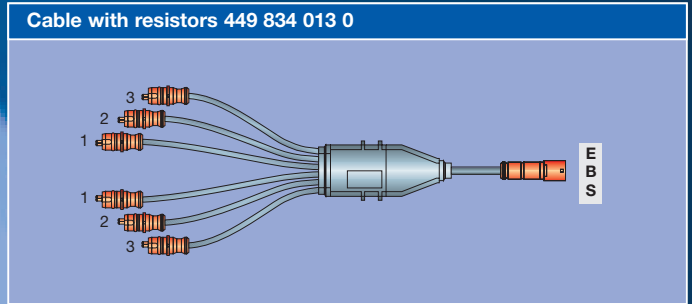
The ABS/EBS warning lamp in your truck informs you when the brake pad has reached its wear limit. This indicates it is time to have all brakes serviced, enabling safety to be improved and any downtime to be planned.

Easy retrofitting

WABCO BVA can be easily retrofitted to trailers by simply ordering a retrofitting kit. If you have a trailer with WABCO EBS, where the EBS modulator has a serial number higher than 38,000, you only need to route a connecting cable to all trailer brakes (e.g. in the case of 3 axle, semi-trailer cable 449 834 0130 0). This cable is also included in the complete retrofit kit. Full details are listed on page 4.

Your nearest WABCO service partner then activates the EBS modulator and applies a BVA sticker on the trailer. In addition, a sticker is also placed in the truck to inform the driver. All vehicles equipped with Trailer Central Electronics (TCE) can be retrofitted with BVA. Please contact your WABCO service partner for more information.





Even easier for commercial vehicle manufacturers

Just order axles fitted with pad wear indicators. Connect to EBS, and put into operation!

TÜV tested

The pad wear indicator available with WABCO Trailer EBS has been TÜV tested and approved according to GGVS standards.

Brake pad wear indicator - BVA is available for the following axles

Axle Manufacturer	SAF			BPW
Brake Type	WABCO PAN 19-1 & PAN 19-1 plus	WABCO PAN 22-1	Knorr SB6/SN6 & SB7/SN7 & SK7	Knorr brakes SB6/SN6 & SB/SN7/SK7
TDB-/No. TBD inspection report number is located on the axle name plate	TDB 0678 TDB 0749	361-094-02 361-106-02 361-107-02	TDB 0590 TDB 0591 TDB 0605 TDB 0606 TDB 0764 361-101-03 361-102-03 361-103-03	TDB 0562 TDB 0568 TDB 0632 TDB 0787
One set of BVA is needed per axle. Pad Wear Indicators are always packed per axle	12 999 755 VT	12 999 797	12 999 792	12 999 792

Retrofit kits for semitrailers and drawbar trailers

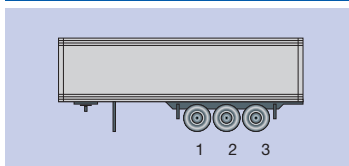


Retrofitting

To retrofit BVA to vehicles, WABCO offers a complete solution for most vehicle types, including pad wear indicators, cable, plugs, stickers and installation instructions. Retrofitting is also possible in case of used disc

brake pads. For EBS sequential numbers higher than 38,000, simply identify the corresponding set number via the TDB/inspection report number and order from a WABCO service partner.

WABCO disc brakes PAN 19-1/PAN 19-1 plus



1-, 2- and 3-wheel semitrailer

Retrofit kit

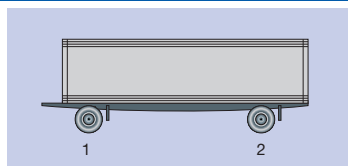
1 sticker truck
1 sticker trailer
6 pad wear indicators
1 cable
4 plugs
1 installation instruction

Order number:

480 102 920 2

TDB/inspection report numbers

SAF 0678
0749



2-axle drawbar trailer

Retrofit kit

1 sticker truck
1 sticker trailer
4 pad wear indicators
1 cable
2 extender cable for front axle
2 plugs
1 installation instruction

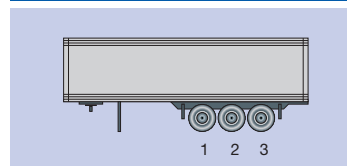
Order number:

480 102 921 2

TDB/inspection report numbers

SAF 0678
0749

WABCO disc brakes PAN 22-1



1-, 2- and 3-wheel semitrailer

Retrofit kit

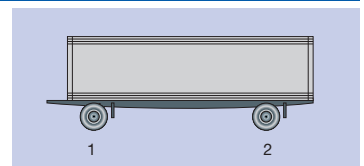
1 sticker truck
1 sticker trailer
6 pad wear indicators
1 cable
4 plugs
1 installation instruction

Order number:

480 102 924 2

TDB/inspection report numbers

SAF 361-094-02
361-106-02
361-107-02



2-axle drawbar trailer

Retrofit kit

1 sticker truck
1 sticker trailer
4 pad wear indicators
1 cable
2 extender cable for front axle
2 plugs
1 installation instruction

Order number:

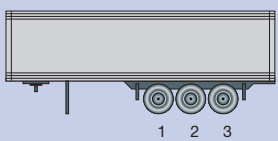
480 102 925 2

TDB/inspection report numbers

SAF 361-094-02
361-106-02
361-107-02



Knorr brakes SB6/SN6 & SB7/SN7/SK7



1-, 2- and 3-axle semitrailers

Retrofit kit

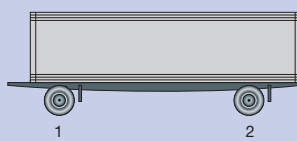
- 1 sticker truck
- 1 sticker trailer
- 6 wear indicators
- 1 cable
- 4 plugs
- 1 installation instruction

Order number:

480 102 922 2

TDB/inspection report numbers

SAF	0605	BPW	0568
	0606		0562
	0590		0632
	0591		0787
	0764		
	361-101-03		
	361-102-03		
361-103-03			



2-axle drawbar trailer

Retrofit kit

- 1 sticker truck
- 1 sticker trailer
- 4 wear indicators
- 1 cable
- 2 extender cable for front axle
- 2 plugs
- 1 installation instruction

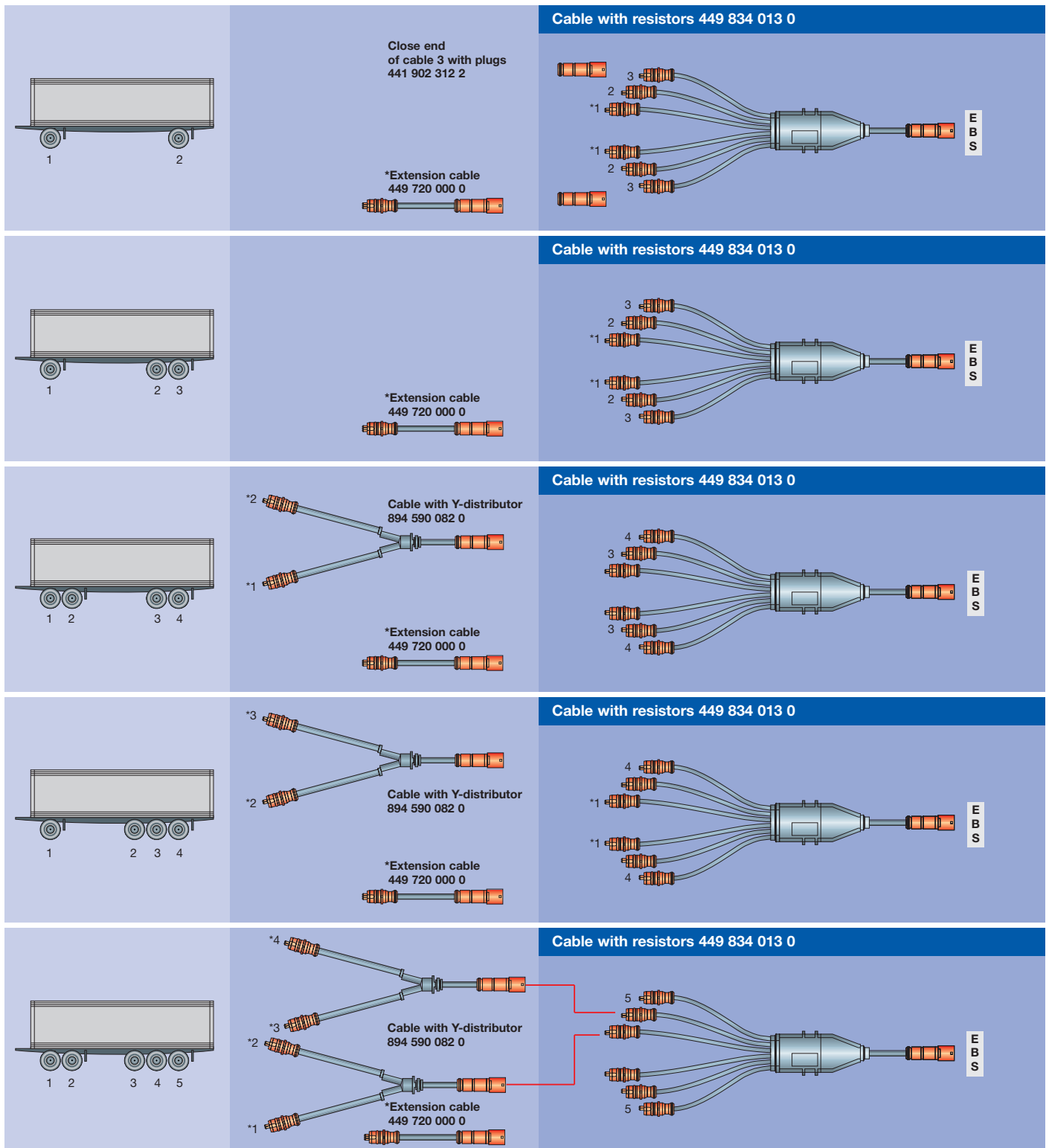
Order number:

480 102 923 2

TDB/inspection report numbers

SAF	0605	BPW	0568
	0606		0562
	0590		0632
	0591		0787
	0764		
	361-101-03		
	361-102-02		
361-103-03			

EBS – Drawbar trailer pad wear indicators



Overview of cable supply program

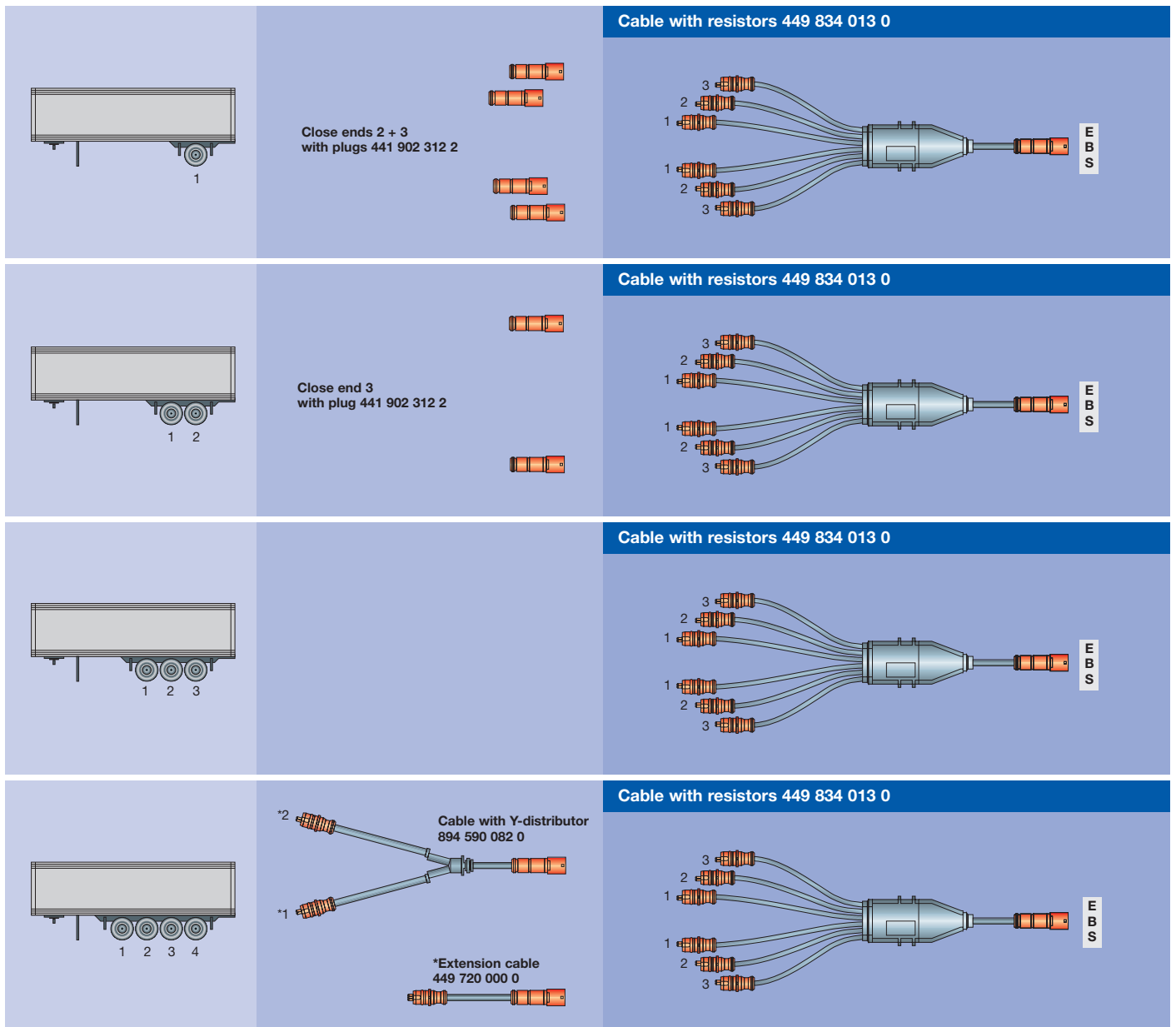
Cable from EBS modulator to brake trailer 449 834 013 0:

Extension 449 720 000 0:
As 1 m extension: 449 720 010 0
As 5 m extension: 449 720 050 0

Cable Y-distributor 894 590 082 0:
As adapter for multiple axle vehicles

Plugs (electrical bridge) 441 902 312 2:
Needed for the cable ends to be closed, e.g. 2-axle drawbar trailer

EBS – Semitrailer and central trailer pad wear indicators



Overview of cable supply program

Cable from EBS modulator to brake trailer 449 834 013 0:

Extension 449 720 000 0:
As 1 m extension: 449 720 010 0e
As 5 m extension: 449 720 050 0

Cable Y-distributor 894 590 082 0:
As adapter for multiple axle vehicles

Plugs (electrical bridges) 441 902 312 2:
Necessary for cables ends to be closed,
e. g. 1-axle semitrailers



WABCO, the vehicle control systems business of American Standard Companies, is one of the world's leading producers of electronic braking, stability, suspension and transmission control systems for heavy duty commercial vehicles. WABCO products are also increasingly used in luxury cars and sport utility vehicles (SUVs). Customers include the world's leading commercial truck, trailer, bus and passenger car manufacturers. Founded in the US

in 1869 as Westinghouse Air Brake Company, WABCO was acquired by American Standard in 1968. Headquartered in Brussels, Belgium, WABCO today employs nearly 7000 people in 34 office and production facilities worldwide. In 2005, WABCO contributed US\$1.8 billion to American Standard's total sales of more than US\$10.3 billion.

Website: www.wabco-auto.com

