



Bendix Spicer  
Foundation Brake LLC

Stoughton Parts  
November 18

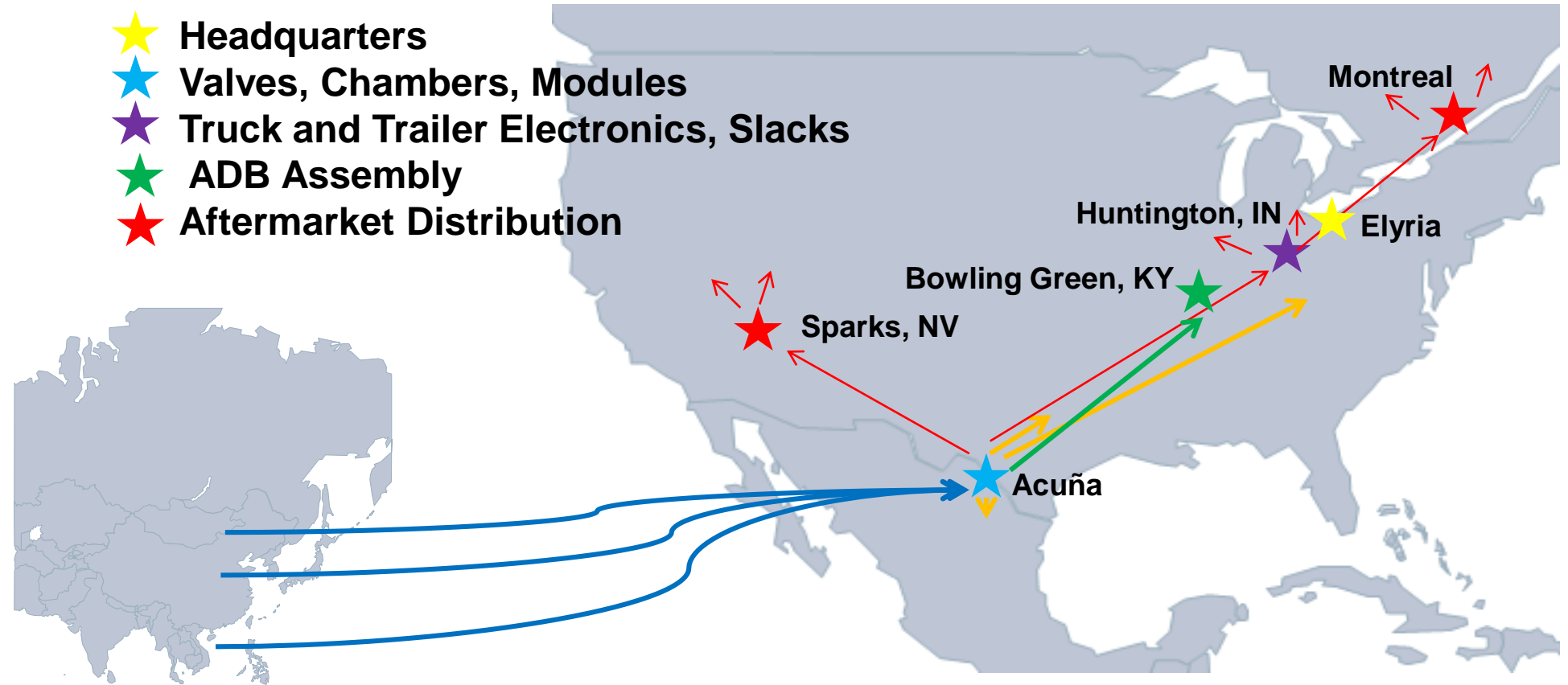


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## Manufacturing Footprint / Distribution

- ★ Headquarters
- ★ Valves, Chambers, Modules
- ★ Truck and Trailer Electronics, Slacks
- ★ ADB Assembly
- ★ Aftermarket Distribution

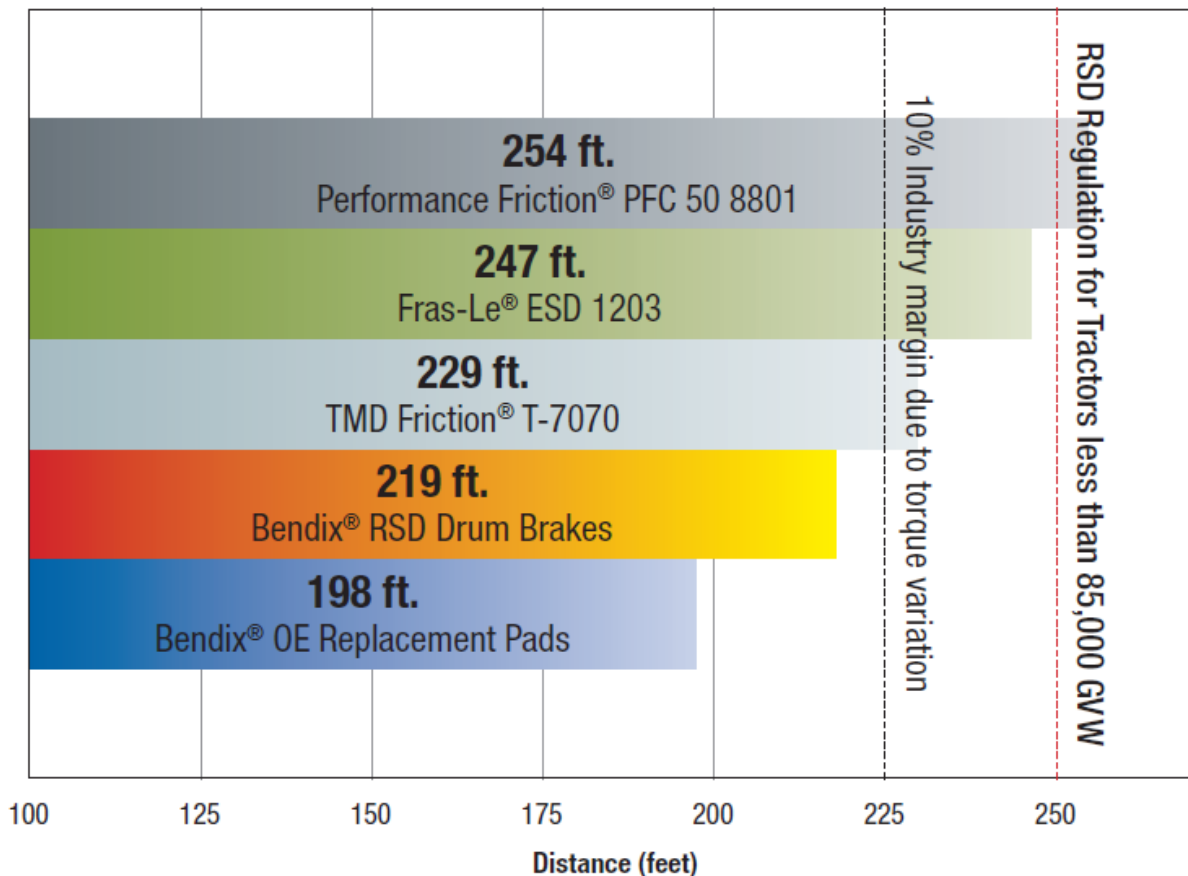


# Bendix® Air Disc Brake Pads



- ✓ Meets RSD Stopping Distance
- ✓ FMVSS121 Hill Hold/Parking Test
- ✓ Keeps caliper in warranty for long life

## Stopping Distance Comparison



Source: 2015 Bendix testing. Stopping distances are simulated based on FMVSS-121 Hot Stop and Recovery Dynamometer Simulation.

## Bendix® Air Disc Brakes

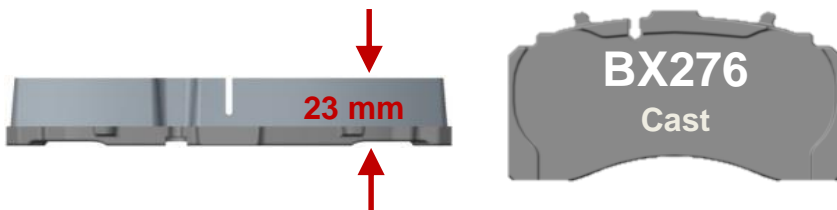
### Performance Benefits



## ***BX-276 (K129276)***

### ***Long Life Pad OEM Genuine***

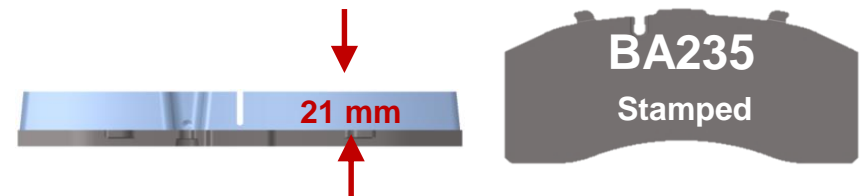
ADB22X OE Approved Friction Offering  
Maximized Braking Performance  
Premium Wear Properties  
Resists Rotor Stress Cracking  
Copper reduced material (up to 2025)  
Excellent Physical Characteristics and  
Corrosion resistance  
Doesn't void 5-Year Brake Warranty  
Premium product / Premium Price










## ***BA-235 (K182235)***

### ***AM Performance Level ADB Pad***

Meets FMVSS-121 Brake  
Performance  
Acceptable Wear Properties  
Meets minimum Bendix Rotor Stress  
Cracking requirements  
Copper requirement (up to 2021)  
Acceptable Physical Characteristics  
and Corrosion resistance  
Lower Price Point



## ➤ Where do I use BA-235 (K182235)?:

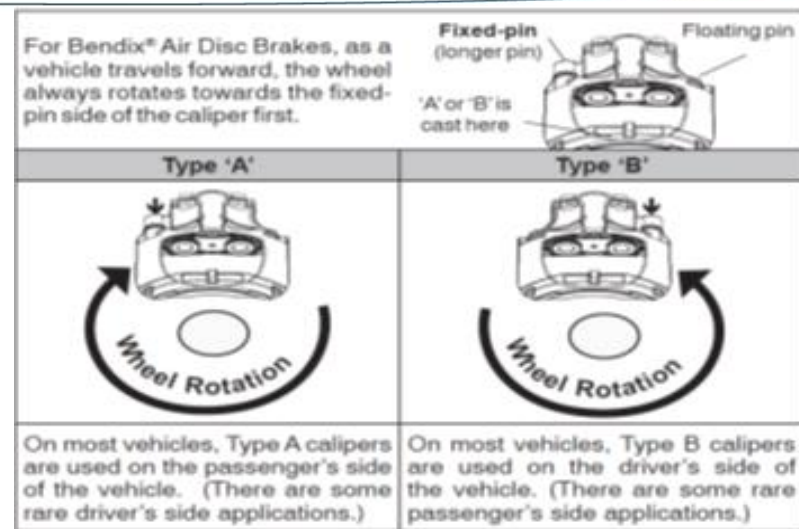
<u>Pad Application</u>		<u>Friction Material/ Part Number</u>	
		<u>Bendix Advanced</u>	<u>Bendix OE</u>
<u>Application</u>	<u>Friction Part #</u>	<u>BA-235</u>	<u>BX-276 (BX-275)</u>
		<u>Part #</u>	<u>Part #</u>
		K182235	K070796 (1*)/K129276 (2*)
	School Bus		R
	City Transit Bus/ Highway Travel Coach/Express		R
	Pick up and Delivery	O	R
	Line Haul	O	R
	Rural or Commercial Refuse		R
	Concrete Mixer/ Dump Truck/ Off- Highway Construction		R
	Bulk Off-loader	O	R



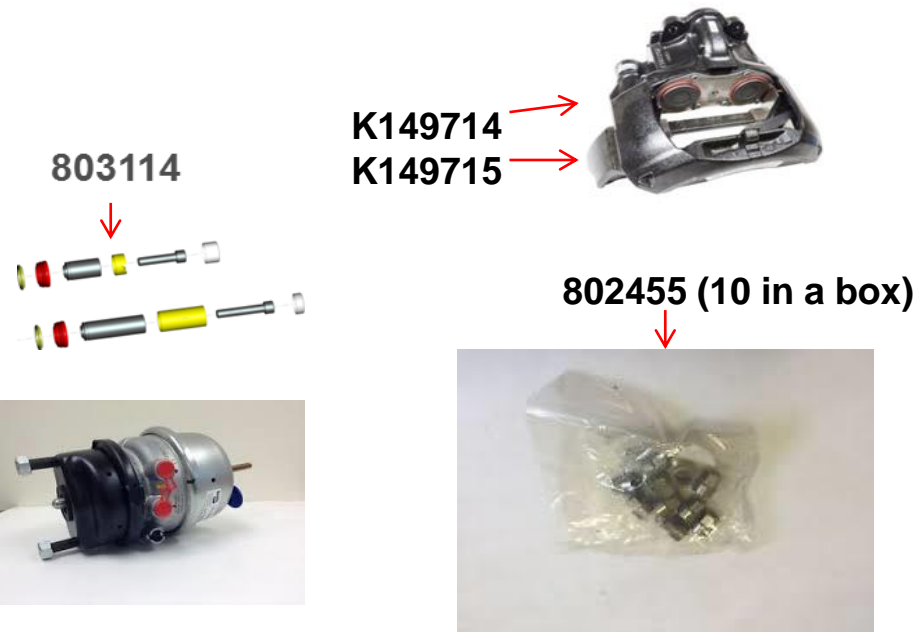
## ADB22X-LT

## Description

K129276	Brake Pad Kit- Extended Service (BX276)
K149714	Service New Caliper/Carrier Trailer Type "A"
K149715	Service New Caliper/Caliper Trailer Type "B"
K092079	Tappet and Boot Kit
803114	Guide Pin Kit
802455	Shear Adapter (Box of 10)
K038574	Rotor, U-shaped, 150mm overall length
K132352	Chamber 18/24-Universal



**K042457** →  
**K132352** →  
**K041960** →



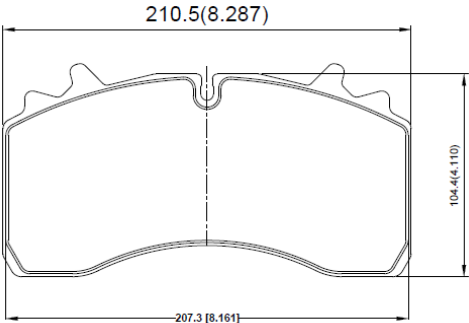
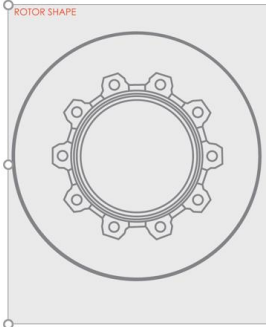
# ADB All-Makes Opportunities-Trailer

Part #	Description	Application	Caliper	OEM	Replaces	OE Wheelends in service
AMR2242N	U-Shaped Rotor	Trailer	MAXX22T	Wabash/Hendrickson	Hendrickson S-34471	20,000
AMR2242N	U-Shaped Rotor	Trailer	MAXX22T	Hyundai/Hendrickson	Hendrickson S-34471	40,000
AMR2242N	U-Shaped Rotor	Trailer	MAXX22T	Great Dane/Hendrickson	Hendrickson S-34471	80,000
AMR2242N	U-Shaped Rotor	Trailer	MAXX22T	Manac/Hendrickson	Hendrickson S-34471	45,000
AMR2242N	U-Shaped Rotor	Trailer	MAXX22T	Heil/Hendrickson	Hendrickson S-34471	10,000
AMR2263N	Flat Rotor	Trailer	ST-7	Wabash/SAF	SAF 51830036	50,000
AMR2263N	Flat Rotor	Trailer	ST-7	Hyundai/SAF	SAF 51830036	30,000
AMR2263N	Flat Rotor	Trailer	ST-7	Great Dane/SAF	SAF 51830036	30,000
AMR2263N	Flat Rotor	Trailer	ST-7	Soughton/SAF	SAF 51830036	10,000

Part #	Description	Application	Caliper	OEM	Replaces	OE Wheelends in service
AMR2242N	U-Shaped Rotor	Trailer	MAXX22T	All	Hendrickson S-34471	195,000
AMR2263N	Flat Rotor	Trailer	ST-7	All	SAF 51830036	120,000
AMPW1777TBA	MAXXUS Pad Set	Trailer	MAXX22T	All		195,000
K020610	ST-7 Pad Set	Trailer	ST-7	All	N/A	120,000

- 315,000 wheel ends on the road
- Full line of pads and rotors!
- Available for an online customer meeting or conference call!

## ■ AMR2242N

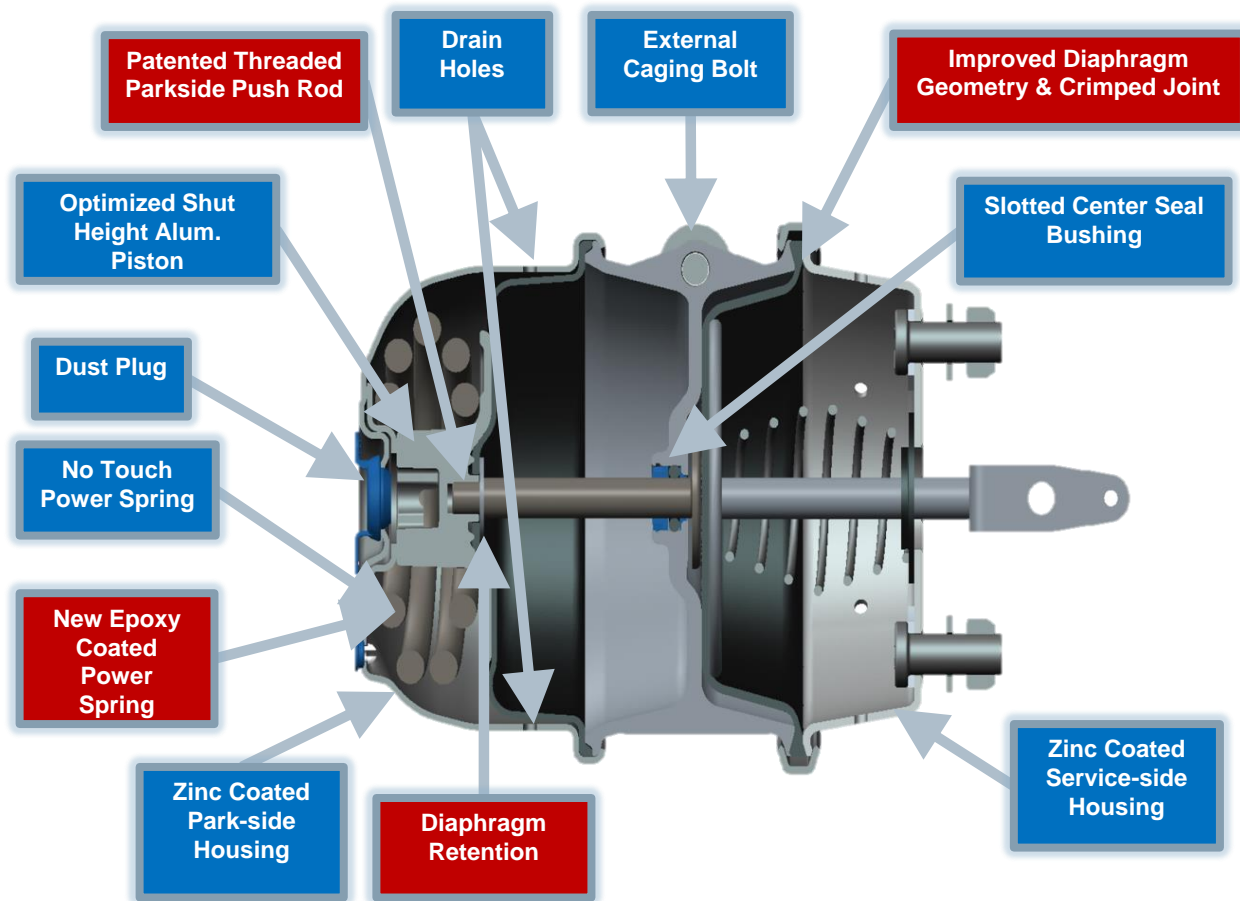




# EnduraSure™ Spring Brake

EnduraSure delivers value with these key features:

- = EnduraSure base-level features & design improvements
- = New design improvements making EnduraSure more durable/robust



## Popular Aftermarket P/N

Description	Size	Stroke	EndurSure™ PN	EndurSure™- Pro PN	Haldex PN	MGM PN	TSE 1
EnduraSure™ w/o Yoke LS	30/30	3.0"	NT3030ELS-80	PRO3030ELS-80	GC3030L	3230051	3030T-OA-LS
EnduraSure™ w/o Yoke LS Welded Clevis	30/30	3.0"	NT3030ELS-WC	PRO3030ELS-WC	GC3030LCW	3230951	
EnduraSure™ w/o Yoke Long Rod	30/30	2.5"	NT3030STD-120	PRO3030STD-120	GC3030R	3430551	3030T-OA-HNTRX
EnduraSure™ w/o Yoke	30/30	2.5"	NT3030STD-78	PRO3030STD-78	GC3030	3430051	3030T-OA
Piggyback Spring Brake Kit	30/30	2.5"	NT3030STD-KIT		GP3030K	3430008	3030S-OA-KIT

Part Number	GD pricing	Pallet Qty	GD pallet pricing
NT3030ELS-80		40	
NT3030ELS-WC		40	
NT3030STD-120		40	
NT3030STD-78		50	
NT3030STD-KIT		75	



# Trailer ABS Retrofit Kits

- Sales literature released to support kit sales (BW 2967)
  - Documentation for partial and full retrofit
  - If you have THIS, buy THAT, simplified offerings to ease the confusion
  - Covers, Bendix current product replacement, legacy replacement and competitive replacement.

A

New Bendix® ABS Trailer Installation

Bendix® ABS-4™ Trailer ABS systems are designed to be used with Bendix® WS-24™ wheel speed sensors (part number 300063) to ensure optimal performance and to avoid warranty rejections.

Trailer Type	Pre-Installed Able with Wheel Speed Sensors	System	Spring Brake Value	Value	Bendix® Part No.	Power Pigtail Length	Wheel Speed Sensors	Power Cable	Included in Kits
Single Axle Semi Trailer	Yes	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
	No	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
Dolly (1 or 2 Axles)	Yes	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
Tandem Axle Short Spread Semi Trailer	Yes	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
	No	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
Tandem Axle Wide Spread Semi Trailer	Yes	45/2M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
	No	45/2M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
Tandem Axle Short Spread Semi Trailer	Yes	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
	No	25/1M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
Tandem Axle Inset, Rear Lift Axle or Full Trailer	Yes	45/2M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	
	No	45/2M Axle	Yes	*GIR/R12P	5020245	No	No	No	
			No	*GIR/R12P	5020245	No	No	No	

\*For improved timing on some longer trailers

\*\*For parking

B

Replacing a Legacy Bendix® Trailer ABS System

Impact wheel speed sensors for proper functioning. If necessary replace with Bendix® WS-24™ wheel speed sensors (part number 300063) to ensure optimal performance and to avoid warranty rejections.

Mfg	ABS Type	System	Power Connector Pins	Pigtail Length	Bendix® Part No.	PNL Information	Installation Instructions		
Bendix®	MC 12" Trailer ABS (bank mount or bracket mount)	25/1M Axle System	5	60"	802893	PNL 110-000A	13.5-1483		
			5	234"	802902				
			4	18"	802900				
		25/1M Daily System	4	96"	802898				
			3	18"	802906				
			5	60"	802894				
	MC 30" Trailer ABS (bank or bracket mount)	25/1M Axle System	5	60"	802893	PNL 161-000	13.5-1483		
			5	234"	802902				
			5	60"	802901				
		25/1M Daily System	4	96"	802898				
			3	18"	802906				
			5	60"	802894				
Bendix®	MC 30" Trailer ABS (bank or bracket mount)	25/1M Axle System	5	60"	802893	PNL 109-000A	13.5-1510		
			5	234"	802902				
			5	60"	802901				
		25/1M Daily System	4	96"	802898				
			3	18"	802906				
			5	60"	802894				
	MC 30" Trailer ABS (bank or bracket mount)	25/1M Axle System	5	60"	802893	PNL 109-000A	13.5-1489		
			5	234"	802902				
			5	60"	802901				
		25/1M Daily System	4	96"	802898				
			3	18"	802906				
			5	60"	802894				
Notes: - For Bendix® MC 30" Trailer ABS Kits replacement information see PNL 112-000A - Neither the ECU, nor the modulator relay valve, can be replaced separately.									
Eaton-Bush® Bendix®	A-18" Trailer ABS	25/1M Axle System	5	60"	802893	PNL 109-000A	13.5-1489		
			5	234"	802902				
			5	60"	802901				
		25/1M Daily System	4	96"	802898				
			3	18"	802906				
			5	60"	802894				
	A-18" Trailer ABS	25/1M Axle System	5	60"	802893	PNL 109-000A	13.5-1489		
			5	234"	802902				
			5	60"	802901				
		25/1M Daily System	4	96"	802898				
			3	18"	802906				
			5	60"	802894				
Notes: - New PLC version of the Bendix® A-18" will be replaced with equivalent PLC version. - Bendix® A-18" Trailer ABS 25/1M side (and 45/2M side systems) replacement kits contain only the main modulator (PMS-4™ Premium). The remote modulator can be used. - If the remote modulator of an A-18" system is required it is still available (889238).									

C




Replacing A Competitive Trailer ABS System with A Bendix® Trailer ABS

The Bendix® ABS-4™ Trailer ABS systems are designed to be used with Bendix® WS-24™ wheel speed sensors (part number 300063). Replace any non-Bendix, or non-functioning wheel speed sensor, to ensure optimal performance and to avoid warranty rejections.



Manufacturer	Spring Brake Value	System	Wheel Speed Sensor	Power Pigtail Length	Relay Value	Bendix® Part No.	Installation Instructions		
Haldex® Wabco®	With Integral Spring Brake Value	25/1M Axle System	No	234"		K100060	13.5-1514		
			Yes	234"		K100060			
			No	234"		K100060			
		45/2M Axle System	No	234"		K100061			
			Yes	234"		K100061			
			No	234"		K100061			
	Without Integral Spring Brake Value	25/1M Axle System	No	234"		K100062	13.5-1482		
			Yes	234"		K100062			
			No	234"		K100062			
		45/2M Axle System	No	234"		K100063			
			Yes	234"		K100063			
			No	234"		K100063			
Wabco®	With Integral Spring Brake Value	25/1M Axle System	No	234"		K100064	13.5-1510		
			Yes	234"		K100064			
			No	234"		K100064			
		45/2M Axle System	No	234"		K100065			
			Yes	234"		K100065			
			No	234"		K100065			
	Without Integral Spring Brake Value	25/1M Axle System	No	234"		K100066	13.5-1510		
			Yes	234"		K100066			
			No	234"		K100066			
		45/2M Axle System	No	234"		K100067			
			Yes	234"		K100067			
			No	234"		K100067			
Notes: - For Bendix® MC 30" Trailer ABS Kits replacement information see PNL 112-000A - Neither the ECU, nor the modulator relay valve, can be replaced separately.									
Wabco®	With Integral Spring Brake Value	25/1M Axle System	No	234"		K100070	13.5-1510		
			Yes	234"		K100070			
			No	234"		K100070			
		45/2M Axle System	No	234"		K100071			

## Single Channel Bendix TABS-6 Advanced Kits

### New Trailer ABS Installations:

Trailer Type	Use This Kit	Kit Includes
<p>Single Axle Semi-Trailer</p>  <p>or Tandem Axle Short-Spread Semi-Trailer</p> 	K098097	<ul style="list-style-type: none"> <li>• Bendix® WS-24™ Wheel Speed Sensors</li> <li>• 9" Power Pigtail</li> <li>• 9" Power Cable</li> <li>• Trailer Label</li> <li>• Bendix® SR-5™ Spring Brake Valve, and</li> <li>• Full Installation Instructions</li> </ul> 

### Retrofit Trailer Kits:

Trailer Type	Does the Trailer Already Have Bendix® Brand Wheel Speed Sensors Installed?	Does the Trailer Already Have a Bendix® SR-5™ Spring Brake Valve Installed?	Use Kit Part Number
<p>Single Axle Semi-Trailer</p>  <p>or Tandem Axle Short-Spread Semi-Trailer</p> 	Yes	Yes	K098095
		No	K098097 <i>(Includes Bendix® SR-5™ Spring Brake Valve)</i>
	No	Yes	K098096
		No	K098097 <i>(Includes Bendix® SR-5™ Spring Brake Valve)</i>

During the installation, Bendix® ACom® Diagnostics PC Software — version 6.7 or above — will be required to configure the Bendix® TABS-6™ ECU. Bendix ACom Diagnostics is available for free download from [www.bendix.com](http://www.bendix.com).