

# Bendix® ABS Trailer Kit Application Guide



# A

## New Bendix® ABS Trailer Installation

Bendix® TABS-6™ Trailer ABS systems are designed to be used with Bendix® WS-24™ wheel speed sensors (part number 300083) to ensure optimal performance and to avoid warranty rejections.

Trailer Type	Pre-dressed Axle with WSS	Trailer Configuration	Spring Brake Valve	Valve	Bendix® Kit No.	Included in Kits			
						Power Pigtail Length	Wheel Speed Sensors	Power Cable	Installation Instructions
Single Axle Semi Trailer	Yes	2S/1M Axle	SR-5™	*QRN/R-12P	5020245	N/A	No	N/A	S-1482
			SR-5™	N/A	5020246	N/A	No		S-1477
			No	N/A	802936	180"	No		
			No	*R-12P	802937	180"	No		
	No	2S/1M Axle	No	N/A	K100248	180"	Yes	N/A	S-1482
			SR-5™	N/A	5020216	N/A	Yes	780"	
		2S/2M Side	SR-5™	N/A	K070223	9"	Yes	780"	
Dolly (1 or 2 Axles)	No	2S/1M Dolly Axle	No	**TR-3/DC-4	5020217	N/A	Yes	120"	S-1482
Tandem Axle Short Spread Semi Trailer	Yes	2S/1M Axle	SR-5™	*QRN/R-12P	5020245	N/A	No	N/A	S-1482
			SR-5™	N/A	5020246	N/A	No		S-1477
			No	N/A	802936	180"	No		
			No	*R-12P	802937	180"	No		
	Yes	4S/2M Side	SR-5™	N/A	K115592	9"	No	780"	S-1482
	No	2S/1M Axle	SR-5™	N/A	5020216	N/A	Yes	780"	S-1482
		2S/2M Side	SR-5™	N/A	K070223	9"	Yes	780"	
	Yes	4S/2M Side♦	SR-5™	N/A	5020218	9"	Yes	780"	
Yes	Axle	SR-5™	N/A	K115593	9"	No	780"	S-1482	
Tandem Axle Wide Spread Semi Trailer	No	4S/2M Axle♦♦	SR-5™	N/A	K070214	9"	Yes	780"	S-1482
Tridem Axle Short Spread Semi Trailer	Yes	2S/1M Axle	SR-5™	*QRN/R-12P	5020245	N/A	No	N/A	S-1482
			No	*R-12P	802937	180"	No		S-1477
Tridem Axle Front, Rear Lift Axle or Full Trailer	No	4S/3M Side/Axle♦♦♦	SR-5™	N/A	K070278	60"	Yes	780"	S-1482

\*for improved timing on some longer trailers

\*\*for parking

WSS = Wheel Speed Sensors

Note: For Schematics refer to the Service Data Sheets.

All kits contain two 60" wheel speed extensions

♦ Contains two additional 60" wheel speed extensions

♦♦ Contains two additional 160" wheel speed extensions

♦♦♦ Contains two additional 260" wheel speed extensions

### Complete Trailer Install Kits May Include:

- Spring Brake Valve
- ABS Warning Lamp
- Remote Modulator (if required)
- Miscellaneous Clips
- ECU (MOD1)
- Warning and Diagnostic Labels
- Pigtail Harness (if required)
- Installation Instructions
- For Non-Predressed Axles, all speed sensor parts (except sensor blocks and tone rings)

# B

## Replacing a Legacy Bendix® Trailer ABS System

Inspect wheel speed sensors for proper functioning, if necessary replace with Bendix® WS-24™ wheel speed sensors (part number 300083) to ensure optimal performance and to avoid warranty rejections.

Mfg	ABS Type	Trailer Configuration	Power Connector Pins	Pigtail Length	Bendix® Kit No.	Part Number Update (PNU)	Installation Instructions	
Bendix®	MC-12™ Trailer ABS (tank mount or bracket mount)	2S/1M Axle System	5	60"	802893	PNU-110	S-1483	
			5	234"	802902			
			4	18"	802900			
			4	96"	802898			
			3	18"	802896			
		2S/1M Dolly System	5	60"	802894			
			3	18"	802895			
			4	96"	802897			
			4	18"	802899			
			5	234"	802901			
	Note: – Neither the ECU or the modulator relay valve can be replaced separately							
	MC-30™ Trailer ABS (tank or bracket mount)	2S/1M Axle System	5	60"	802893	PNU-161	S-1483	
			5	234"	802902			
		2S/1M Dolly System	5	60"	802951			
2S/2M Side System		5	60"	K060601				
		5	234"	K061023				
4S/2M Side System		5	60"	K060602				
		5	234"	K061024				
4S/2M Axle System		5	60"	K061025				
		5	234"	K061026				
Note: – For Bendix® MC-30™ Trailer ABS Kits replacement information see PNU-112 – Neither the ECU, nor the modulator relay valve, can be replaced separately								
Eaton-Bosch®/Bendix®	A-18™ Trailer ABS	2S/1M Axle System	5	60"	K019708	PNU-109	S-1489	
				234"	K019711			
		2S/2M Side System		60"	K019709			
				234"	K019712			
		4S/2M Side System		60"	K019710			
				234"	K019713			
Note: – Non-PLC versions of the Bendix® A-18™ will be replaced with equivalent PLC versions. – Bendix® A-18™ Trailer ABS 2S/2M side (and 4S/2M side systems) replacement kits contain only the main modulator (TABS-6™ Premium). The remote modulator can be re-used. – If the remote modulator of an A-18™ system is required it is still available (BR9235).								



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

The Bendix® TABS-6™ Trailer ABS systems are designed to be used with Bendix® WS-24™ wheel speed sensors (part number 300083). Replace any non-Bendix, or non-functioning wheel speed sensor, to ensure optimal performance and to avoid warranty rejections.

Manufacturer	Spring Brake Valve	Trailer Configuration	Included in Kits			Bendix® Kit No.	Installation Instructions
			Wheel Speed Sensor	Power Pigtail Length	Relay Valve		
Haldex®/ WABCO®	With Integral Spring Brake Valve (SRC-7000™)	2S/1M Axle System	No	234"	N/A	K050582	S-1534
			Yes	234"	N/A	K100090	S-1482
		2S/2M Side System	No	234"	N/A	K100080	
			Yes	234"	N/A	K100081	
		4S/2M Side System◆	No	234"	N/A	K100083	
			Yes	234"	N/A	K100084	
			No	9"+780"	N/A	K115592	
		4S/2M Axle System◆◆	No	234"	N/A	K100087	
			Yes	234"	N/A	K100086	
			No	9"+780"	N/A	K115593	
	4S/3M Axle System◆◆◆	No	60"	N/A	K100251		
		Yes	60"	N/A	K100250		
	Without Integral Spring Brake Valve	2S/1M Axle System	No	234"	N/A	802997	S-1477
				180"	N/A	802936	
				180"	R12P	802937	
			Yes	234"	N/A	K100247	
				180"	N/A	K100248	
				180"	R12P	K100249	
		2S/2M Side System	No	234"	N/A	K070432	S-1482
			Yes	234"	N/A	K100082	
4S/2M Side System◆		No	234"	N/A	K070433		
		Yes	234"	N/A	K100085		
4S/2M Axle System◆◆		No	234"	N/A	K070434		
		Yes	234"	N/A	K100088		
4S/3M Side/ Axle System◆◆◆		No	60"	N/A	K070435		
		Yes	60"	N/A	K100089		

Manufacturer	Wabash Part Number	System Type	Wheel Speed Sensors	Power Pigtail Length	Power Connector Pins	Bendix® Part No.	Installation Instructions
Wabash®	10800260	MBS-1 2S/1M Axle	No	180"	5	802936	S-1477
	10800262		No	60"	5	802893	S-1483
	10800313	MBS-1P	No	180"	5	802936	S-1477
	10800314		No	60"	5	802893	S-1483
	10800358	2S/2M Side by Side	No	234"	5	K070432	S-1482
	10800358		Yes	234"	5	K100082	
	10800357		No	60"	5	K060601	
	10800349	4S/2M Side by Side	No	234"	5	K061024	S-1570
	10800361		No	60"	5	K060602	
	10800360	4S/2M Axle by Axle	No	234"	5	K061026	
	10800359		No	60"	5	K061025	
	No Part Available	MBS-2	Currently no replacement				

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◆ Contains two additional 60" wheel speed extensions

◆◆ Contains two additional 160" wheel speed extensions

◆◆◆ Contains two additional 260" wheel speed extensions

# Bendix®...The Right Choice in Spec'ing Trailer ABS

Bendix makes Trailer ABS possible on new trailers. In fact, replacing a legacy Bendix system – or replacing a competitive system – is as easy as 1-2-3.



Description	Part No.
Bendix® Trailer Remote Diagnostic Unit	K101597
7-Pin Adapter	802165

# 1

Choose the type of trailer installation using the chart below.

<b>A</b>	For Installing a Bendix® Trailer ABS System on a new trailer, use the <b>PURPLE</b> guide
<b>B</b>	For replacing a legacy Bendix Trailer ABS System with a new one, use the <b>YELLOW</b> guide
<b>C</b>	For replacing a competitor's Trailer ABS System, use the <b>ORANGE</b> guide

# 2

Select the ABS system part number from the guide that meets your application needs.

# 3

Go to your nearest Bendix distributor to purchase your ABS system. To find the location nearest you, visit [www.bendix.com](http://www.bendix.com) or contact your Bendix Account Representative at 1-800-AIR-BRAKE (1-800-247-2725).

NOTE: All speed sensors contained in the kits are 90 degree with 12" lead. For Disc Brake applications straight sensors are required. Order a kit without speed sensors and order straight sensors separately.



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