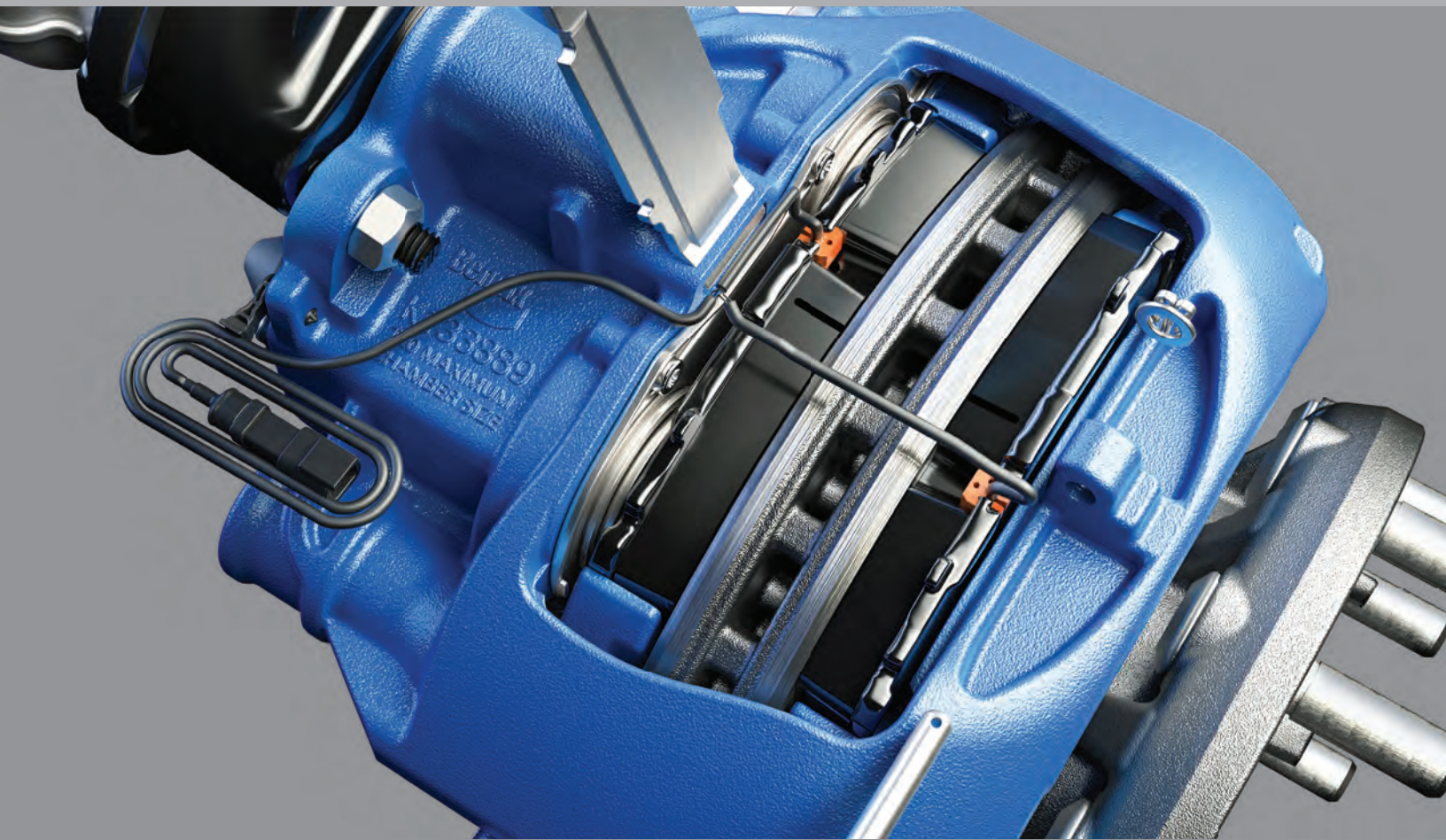


# BENDIX® AIR DISC BRAKE PAD WEAR SENSING TECHNOLOGY



**Bendix**

# TAKE THE GUESS WORK OUT OF ADB PAD REPLACEMENT & LOWER YOUR TCO.

Downtime. There's no avoiding it...but wouldn't it be great to be able to anticipate when parts must be replaced – before they reach the end of their service life? Here's some great news for Bendix® air disc brake customers – **Bendix® ADB Pad Wear Sensing Technology** notifies you when your ADB pads need replacement.

This game changing technology helps lower your maintenance costs:

1. reduces how often technicians need to inspect air disc brake pads and rotor for wear
2. provides advanced notice of the need for maintenance, so you can plan maintenance scheduling

And, since the technology provides a real time early alert when pads are approaching the point of replacement, it helps protect costly ADB components – such as rotors – from damage caused by worn brake pads.

## Lower your TCO with Bendix® ADB Pad Wear Sensing Technology

- Reduce maintenance costs, time and effort – know when pads are approaching replacement conditions without removing wheels
- Optimize friction replacement schedule by alerting fleet service center via telematics
- Streamline maintenance by being able to perform other maintenance along with pad replacement
- Protect expensive components (rotor\*) from damage through early detection of worn ADB pads

*\*Typical cost to replace a rotor in the aftermarket: \$600 (parts and two hours labor)*

Bendix pad wear sensing technology is available for the industry leading family of OE Bendix ADB22X air disc brakes (both tractor and trailer) through select OEM manufacturers.

*ADB Pad Wear Sensing Technology further optimizes the family of industry-leading Bendix ADBs (ADB22X for tractor and ADB22X-LT for trailer)*



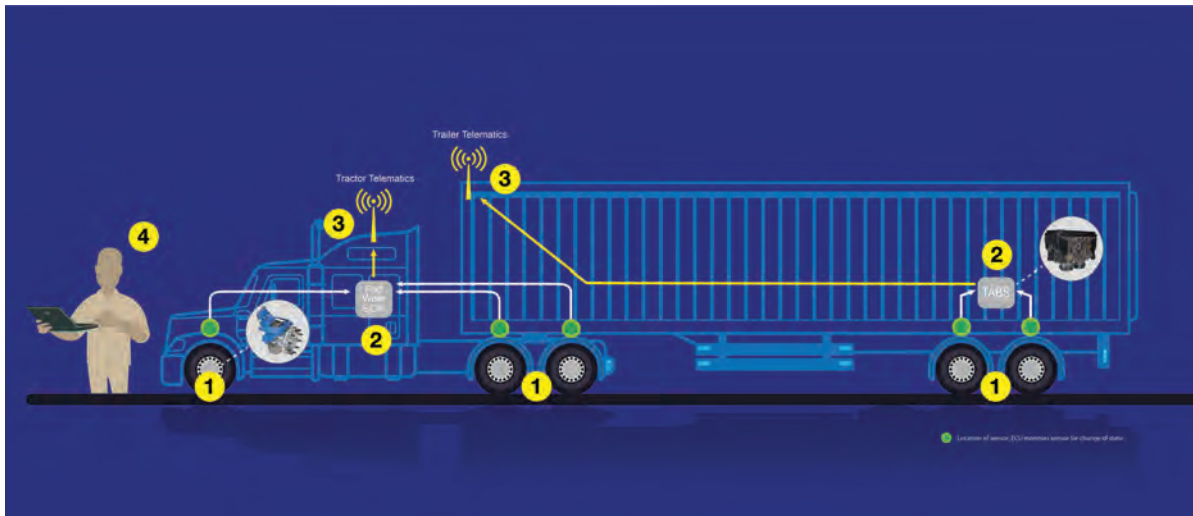
### Know when pads are nearing replacement conditions without removing the wheels

Sensors mounted to the ADB pads detect when pad thickness is approaching replacement condition. Next, the system records a diagnostic trouble code, and the signal is received by the ECU\* (on the tractor) or the TABS unit (on the trailer).

The code is transmitted via the J1939 to telematics. Telematics (if equipped) notifies the fleet office that pad replacement is needed. The system can also be set up to alert technicians through a remote diagnostic unit (RDU), if the vehicle is not equipped with telematics. At the time of notification, sufficient pad life remains to enable the fleet or technician to schedule replacement service before it's an emergency situation.

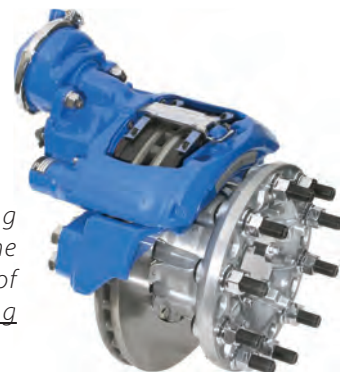


### How pad wear sensing technology works



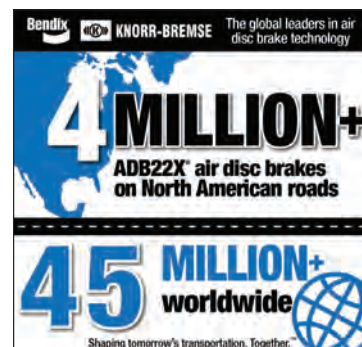
1. The sensor detects that the pad is nearing replacement condition; time to schedule maintenance
2. The ECU\* (tractor) or the TABS unit (trailer) receives data re: change in analog state of sensor, then creates a diagnostic trouble code
3. Telematics (if equipped) signals the fleet home office of the need to replace
4. RDU or ACom pick-up (by technician)

*Bendix® ADB Pad Wear Sensing Technology was named one of the industry's top products of 2019 by Heavy Duty Trucking*



### What vehicle configurations are needed to support the ADB Pad Wear Sensing Technology?

Vehicle Requirements	Tractor/Truck	Trailer
ADB System	ADB22X®	ADB22X®-LT
Chassis ECU/Wiring	OEM Specific	Bendix Included
ABS System	Current OEM	TABS Advanced



### Aftermarket Support

When it's time to replace your pads, simply order a Bendix pad kit for pad wear sensing (*see part numbers below*). This kit includes pads, hardware kit, and sensors with cables. Insert the wear sensors into position in the new brake pads, then route the sensor cable through the cable plate channel and secure the plate with the mounting hardware retained at disassembly.

Next, install the pads according to standard Bendix procedure. Find complete installation instructions in *Bendix Air Disc Brake Service Data Sheet SD-23-7541*, available on the Bendix online Document Library on [bendix.com](http://bendix.com).

Bendix ADB pads are common between our tractor and trailer air disc brakes. Choose from the full ADB friction portfolio:

- **BX276™ Genuine OE Replacement Pad:** long-life pad for extended service life. PN: K162217 (Version 1\*), PN: K196276 (Version 2)
- **BX283™ High-Duty Cycle Pad:** Provides excellent wear and performance at higher temperatures. PN: K172218 (Version 1), PN: K196283 (Version 2)

*\*Version 1 applies only to Kenworth vehicles already in service. Version 2 applies to all others.*

### Want ADB pad wear sensing on a vehicle already in service?

Contact your Bendix account manager or call 1-800-AIR-BRAKE (1-800-247-2725) to find out if this upgrade is available for your vehicle.



Discover more about how Bendix ADB Pad Wear Sensing Technology can help you lower your total cost of ownership. Contact your Bendix Sales Representative today, call 1-800-AIR-BRAKE (1-800-247-2725) or visit [bendix.com](http://bendix.com) today.