

# BENDIX® ETRAC™ AUTOMATED AIR BAG TRANSFER SYSTEM FOR 6X2 SUSPENSIONS

## Weigh Less. Haul More. Keep Moving.

Sometimes you just need some extra traction to get the job done. Whether it's a slippery uphill grade, an inclined loading dock, or anywhere conditions mean your vehicle needs the extra boost to avoid being stuck, the Bendix® eTrac™ automated air bag transfer system for 6x2 suspensions can help.

## Spec Smart. Spec eTrac. Haul More.

Today, fleet operators know how important it is to continue to enhance their bottom line. One good decision can make a big impact. With the Bendix eTrac system, you've made the right choice. With the eTrac system, your fleet can haul approximately 500 pounds more freight per vehicle – and more freight means more revenue. That's because now you can spec a 6x2 vehicle with the eTrac system instead of a 6x4 vehicle alone.

## When Traction Control Engages, So Does eTrac.

Sometimes, in slippery conditions, 6x2 vehicles can't pull away on an inclined ramp or up a hill because of drive wheel spin. Today, the driver must manually push a pneumatically-controlled dash button to transfer air to the driven axle so the vehicle can pull away. But what happens if the driver forgets to disengage the system and begins driving at highway speeds? This mistake – one that happens all too often – can severely damage the driven axle or driveline, meaning vehicle downtime and unexpected maintenance expense. This won't happen with the eTrac system.

The Bendix eTrac system is automatically activated when traction control is active. It is ideal for over the road and long haul fleet operators. Designed for 6x2 tractors and trucks, the eTrac air pressure transfer system fully automates what currently is a manual operation. When added to Bendix® Smart ATC™ (automatic traction control), the eTrac system automatically engages and disengages – without driver input – the vehicle's air bag pressure transfer system during low-traction events. Pressure is transferred from the undriven axle to the driven axle without requiring manual input or driver action.

## How Does It Work?

### Automatic Mode – Typical Operation

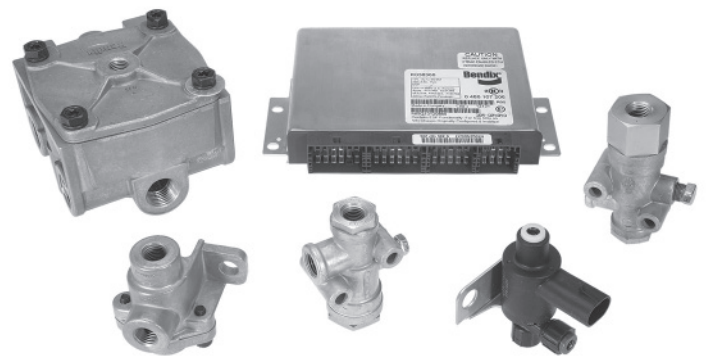
When the ATC Mud/Snow switch is OFF, the Bendix eTrac system is in "automatic" mode. This means when ATC becomes active, the eTrac system automatically engages to help the vehicle pull away from a slippery road surface.

When ATC becomes active, the system will automatically perform the air bag transfer until the vehicle exceeds 25 MPH or five (5) seconds after the ATC event has ended. The automatic disengagement feature helps prevent overburdening the driven axle or driveline because the air bag air pressure transfer was active for too long.

### Semi-Automatic Mode – When the driver knows it's slippery

When the driver activates the ATC Mud/Snow switch, the Bendix eTrac system goes into "semi-automatic" mode and the air bag air pressure transfer begins immediately. It automatically disengages when the ATC Mud/Snow switch is turned OFF or when the vehicle speed exceeds 10 MPH.

**Air pressure transfer to the driven axle airbags is automatically limited by the system. This pressure limit is determined by the vehicle OEM at installation and cannot be changed by a fleet.**



**The Bendix® eTrac™ technology is a valuable addition to the Bendix® ABS-6® family of braking systems, providing an additional return on investment and helping to maintain a lower overall total cost of ownership.**



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## When Is The Bendix eTrac System Right For Your Fleet?

The Bendix® eTrac™ system is available for certain 6x2 vehicles with most wheelbases that are equipped with a single leveling valve, park brakes on the driven axle only, J1939 controlled trailer warning lamp and the Bendix® EC-60™ Premium or Advanced ECU with specific programming for the eTrac system.

**By automating the air pressure transfer process, the driven axle and driveline are protected against overburden due to accidental extended driving with the air pressure transferred. This happens all too easily with today's manual push button system.**

## We've Got You Covered. After Sale Support and Warranty.

The eTrac system – like all Bendix products – is supported with a network of veteran sales and service professionals, a 100% ASE-certified field technical support team, and the renowned Bendix Tech Team – an expert technical advice and troubleshooting line dedicated to helping you. Plus access to expert post-sales support – available 24/7 online, by phone, or in person – is just one part of the Bendix approach that delivers performance, safety, and lower total cost of ownership.

## Air Flow – eTrac Active

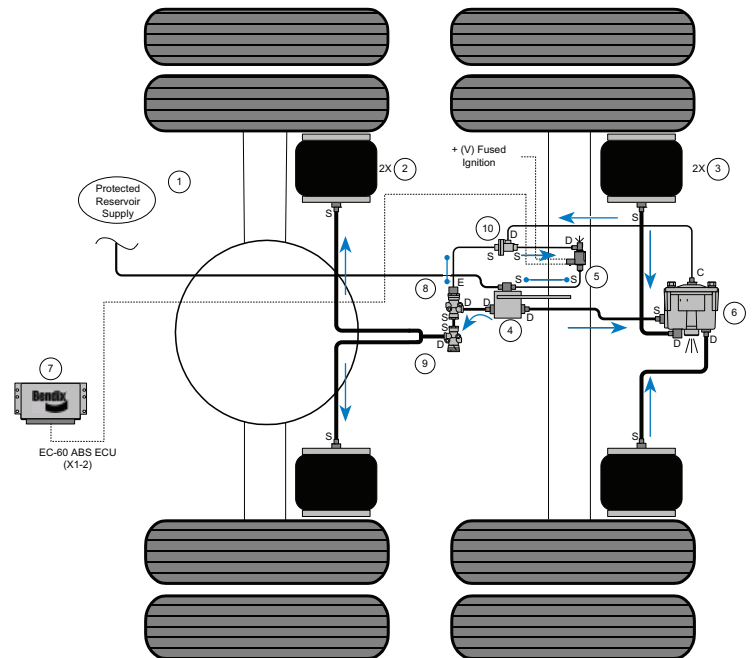
### Traction Power From A Simple Yet Effective Vehicle Design

#### A Typical Air Bag Suspension System

- ✓ Protected Reservoir Supply (1)
- ✓ Air Bag Assemblies (2) & (3)
- ✓ Height Control Valve (4)

#### The Additional Bendix® eTrac™ System Components

- ✓ Bendix® FCS-9700™ Fan Clutch Solenoid Valve (5)
- ✓ Bendix® R-12® Relay Valve (6)
- ✓ ABS Controller (7)
- ✓ Backfeed Valve (8)
- ✓ Drive Axle Limiting Valve (9)
- ✓ Double Check Valve (10)



Protect your driveline. Protect your bottom line. Haul more with the Bendix eTrac Automated Air Bag Transfer System for 6x2 Suspensions.

The Bendix eTrac Automated Air Bag Transfer System for 6x2 Suspensions is available at several major OEMs. Check with your dealer, call 1-800-AIR-BRAKE (1-800-247-2725), or talk to your Bendix Account Manager today.