**Bill of Material**

**Bendix EC-60 Advanced Tractor w/**

**Bendix TABS-6 Multi Channel Trailer Module**

**Part# EC-60-A**

**Bill of Material**

* 1 Sectioned air compressor with operable unloaders

(Compressor is sectioned and non-functional)

* 1 Bendix AD-IS air dryer
* 2 steer axle type-24 brake chambers
* 1 Bendix advanced EC-60 ECU
* 1 Bendix steer axle sensor (see note #2)
* 1 Bendix yaw rate sensor (see note #2)
* 7 Bendix M-40 antilock modulators
  + 2 steer axles
  + 4 tandem axles
  + 1 trailer control
* 2 Bendix ATR-3 traction relay valves
* 1 Bendix E8-P brake valve
* 1 Bendix MV-3 park control valve
* 1 Simulated dash panel
  + 4 warning lights
  + 1 computer diagnostic port
  + 1 ignition switch
  + 6 fuses
  + 2 switches (1 for blink codes – 1 for off road simulation)
* 4 Failure mode switch panels containing 54 failure mode switches
* 1 Bendix trailer control valve
* 1 Bendix electronic throttle pedal assembly
* 1 Tractor primary air reservoir (rear system)
* 1 Tractor secondary air reservoir (front system)
* 2 Trailer reservoirs
* 1 Bendix TP-5 tractor protection valve
* 1 Stop light switch
* 8 spring brake chambers
* 10 Bendix ASA slack adjusters
* 1 Bendix dual channel trailer ABS modulator
* 1 Bendix Trailer supply valve
* 4 tail lights
* 1 ABS trailer failure warning light
* 2 low pressure switches
* 1 low pressure warning light
* 1 low pressure warning buzzer
* 10 digital wheel speed readouts (see note #1))
* 1 wheel speed reference simulator for transmission and engine simulation
* 25 air pressure reference gauges

All necessary brackets and fittings to complete the system

**Set Up and General Operation**

Note #1: There is an option available to change the 6 digital readouts on the tractor only to six stepper motors with reluctors rings

Note #2: The steer angle and yaw rate sensors are non-functional

Before starting:

\*Plug a minimum 135 PSI air supply into the connector on the back of the display.

\*Make sure all failure switches are turned down to off position.

\*Open the air supply valve on the air compressor.

\*With ignition key **OFF** turn the power supplies on the back of the display to ON.

Operation: The system is designed to operate similar to driving a vehicle.

\*Turn the ignition key to on. The ABS/ATC/ESP system will go thru its startup cycle chuffing the modulators.

\*Step on the brake pedal to let the system know the stop light switch is operating.   
All failure lights on the dash panel should now be off.

\* Make a slight application of the electronic throttle pedal. The wheel speeds should accelerate to 60 MPH. Note: Making a full pedal application will initiate a traction event.

\* Step and hold the brake valve pedal down slightly. This will create a drop in speed from 60 MPH to 20 MPH in 1 second thus simulating an ABS stop.

How to create failures.

* To create a failure select a failure switch from the back of the display and push the button up or to the on position. There are a few failures where the failure warning light on the dash panel will not come on. Example is a trailer warning light failure.

For additional technical data on Bendix systems and valves go to [www.bendix.com](http://www.bendix.com). All system and technical data can be found there.