Montreal – Vehicle Weights & Dimensions Task Force

Tom Parrott - TBU ENGINEERING MANAGER

EVOLVING TECHNOLOGY

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RSS*plus*™

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RSS*plus*™ : Designed Specifically For The North American Market

- Incorporated customer requirements
  - Installation, testing and diagnosis similar to current ABS
  - Supports **both spring and air ride suspensions**
  - SAE recommended diagnostics using ToolBox PC software or simple blink codes
  - On-board data recording for effective fleet management
  - Instant fleet notification of stability events with popular telematic devices

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Spring Deflection Sensor

- **ENCODER TECHNOLOGY – NO WEAR OF SENSOR ELEMENTS**
- **BAYONET CONNECTOR – PROVEN SEAL TECHNOLOGY**
- **ADJUSTABLE LINKAGE AND MOUNTING BRACKET**

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Deflector Sensor Installation

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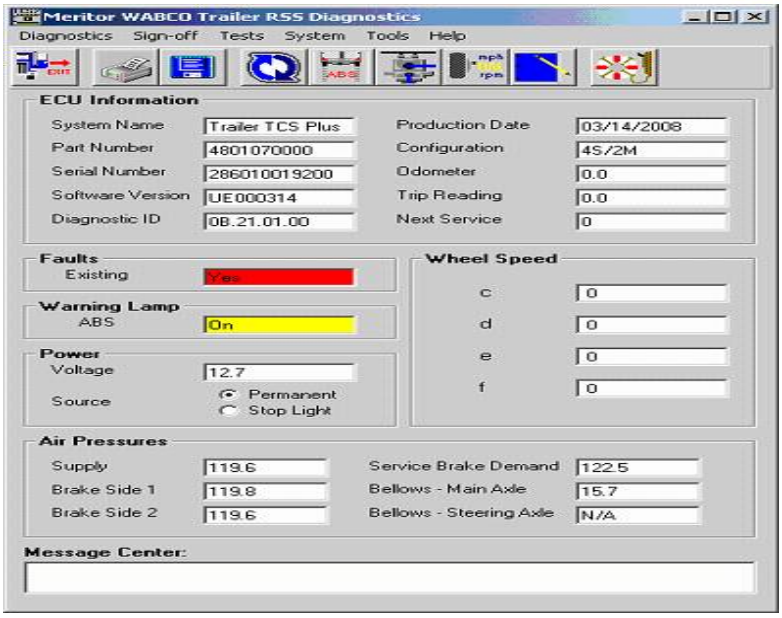

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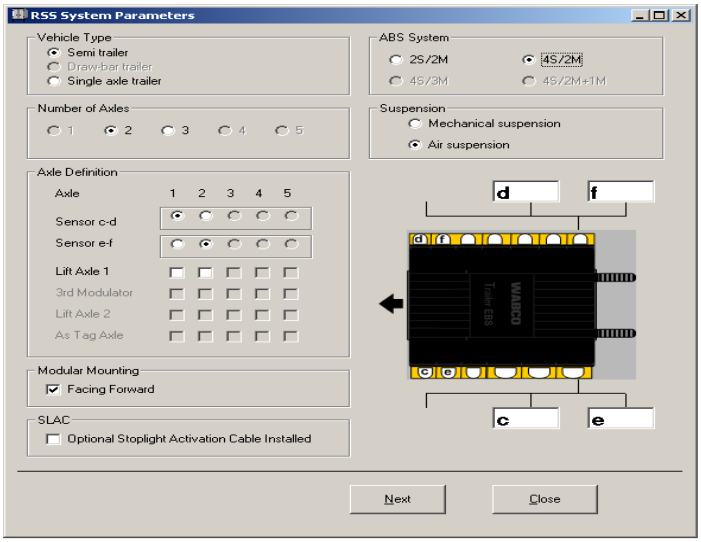
RSS*plus* Parameter Screen



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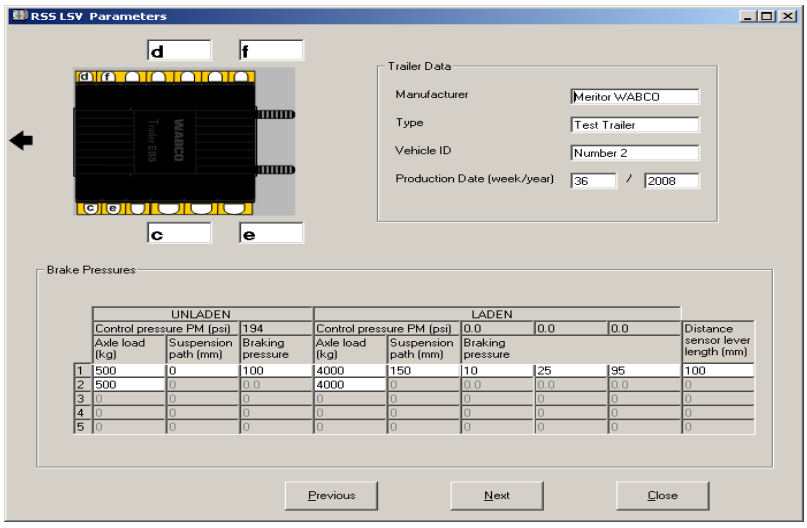
Spring Suspension Calibration



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Applications

- Configurations 2S/2M*, 4S/2M, 4S/2M+1
  - 4S2M+1 adds one modulator valve, under development to support full trailers.
- Vans, Reefer Units, Tankers, Flat Beds, Hazardous Material Haulers, B-Trains. Retrofit program in place.

*2S/2M (S = Sensor, M = Modulator)

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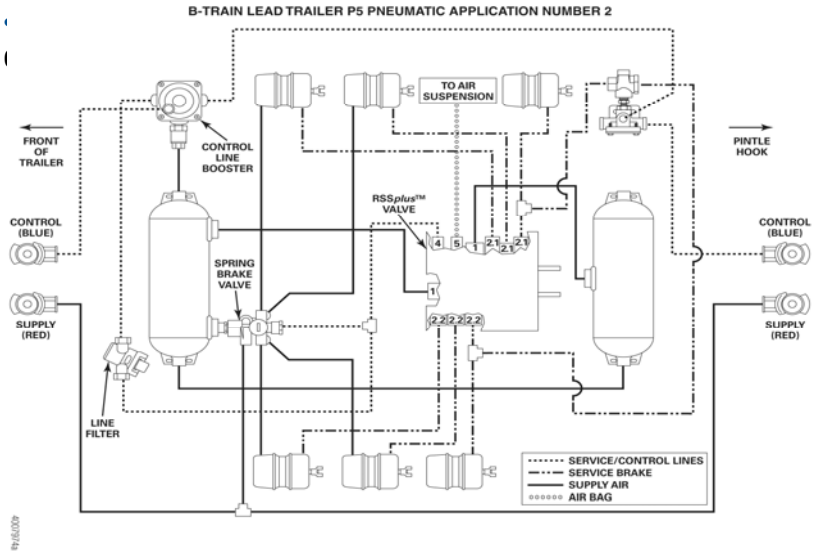
P5 Valve for LCV Applications



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P5 SIMPLIFIED

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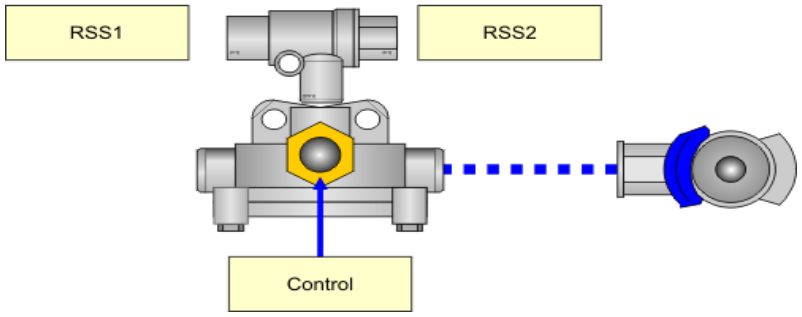
320100



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RSS*plus* STOP LIGHT ACTIVATION

- POWER CABLE OPTION.
- ACTIVATES BRAKE LIGHTS DURING AN RSS EVENT.
- USES PLC MESSAGE TO MODULE THAT CONNECTS CONSTANT POWER TO STOP LIGHT CIRCUIT.

Technology Presentation

LIFT AXLE VALVE

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LIFT AXLE VALVE

- **Controlled by ABS system based on defined weight level, switch input and vehicle speed.**
- **Integrated bracket for secure mounting.**
- **Bayonet connector for quick and sealed connection.**
- **High flow rate for bag fill and exhaust timing..**

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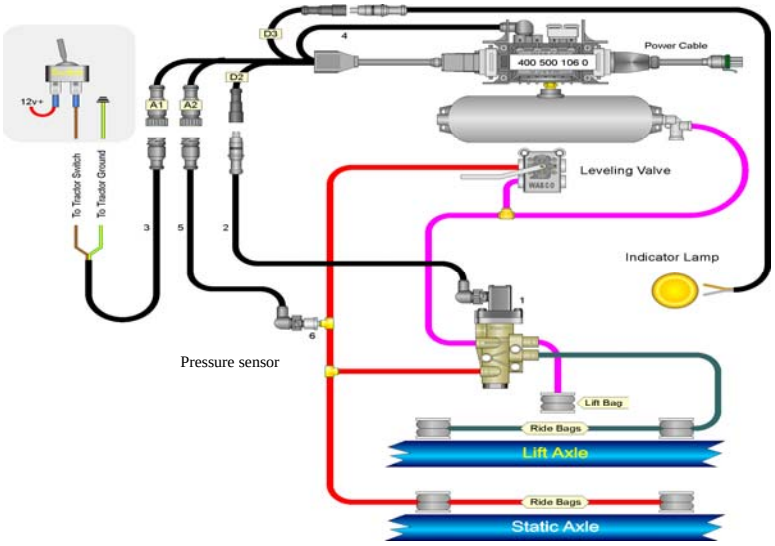
LAV INSTALLATION



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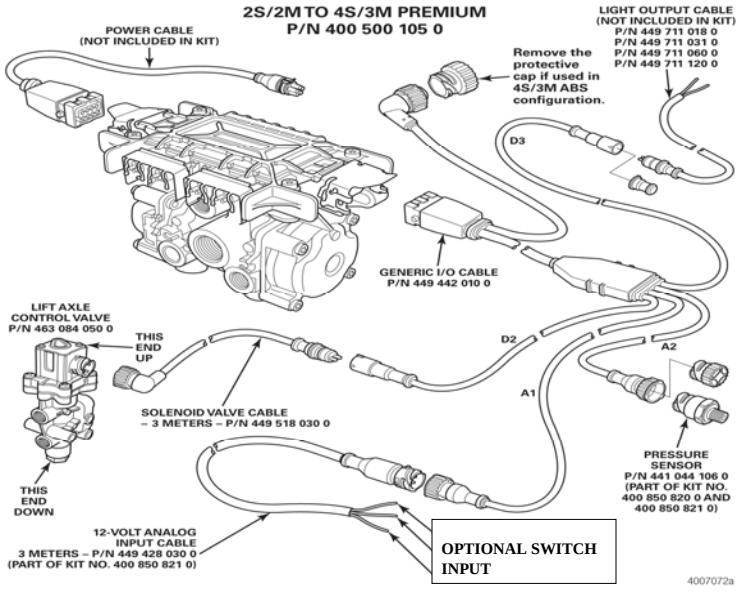

Technology Presentation
Thank You!
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