

Truck ---- Tire Pressure Control System Final Installation Inspection Checklist

Date: _____ TIREBOSS System Serial # _____ Unit Number: _____
 Customer Name: _____ Tel: _____
 Operator Name: _____ Vehicle Make: _____
 Mileage: _____ Vehicle Ser #: _____

1. Steer Axles (if TIREBOSS equipped)

- King pin free play (Check bearing and shim location as per axle manufacture specifications)
- Turning radius - confirm installed hardware and hoses remain unimpeded when steer tires are turned to maximum in both directions
- Bearing preload or end play as per axle manufacture specifications
- Locknut assembly properly installed as per axle manufacture specifications
- Set front axle brakes - equipped Yes No
- Check brake chamber and supply line for leaks at steer axle (brakes applied)
- Torque front wheel nuts as per axle manufacture specifications (if removed during installation)
- Ensure proper installation of Hub Cap Protectors (if supplied) *Refer to "Steer Axle Hub Cap Protectors" section in Installation Guide.*
- Check steer axle assemblies inside hub cap for air leaks *Refer to "Steer Axle Hardware Installation" section in Installation Guide.*
- Ensure proper hub oil level and grade as per manufacture specifications

2. Drive Axles

- Retorque manifolds on drive axle wheel ends (100 ft lbs for 5/8 stud)
- Retorque rotary unions on manifolds with "Crowfoot Wrench" to 50 ft/lbs
- Hose protector slid completely over valve stem to base. *Refer to "Wheel Hoses" section in Installation Guide.*
- Engrave install date on end of drive rotary unions
- Torque drive wheel nuts as per axle manufacture specifications (if removed during installation)
- Ensure Teflon Wheel Guards have been installed (aluminium rims only) *Refer to "Wheel Hoses" section in Installation Guide*

3. Brake Priority System

- Routing of air lines. Confirm all hoses are properly protected and securely fastened.
- Air compressor governor operation (with Controller OFF)(Ensure minimum of 115 psi cut-in to a maximum 132-134 psi cut-out is maintained) *Refer to "Truck Compressor Governor Adjustment" section in Installation Guide*
- Adjust pressure protection valve to **100** psi (truck idling and controller ON). *Refer to "Pressure Protection Valve Adjustment" section in Installation Guide.* Cover if exposed. Turn controller on.

- ___ Discharge each zone supply line to atmosphere and confirm “Tire Pressure Loss“ warning activates on operator controller and verify correct air flow from each zone Eg. Removal of drive axle supply line causes drive zone to drop, and warning to appear, on operator control unit. (If equipped with Remote Alarm, alarm should sound at this time)
- ___ Ensure “low air supply” alert is **not** activating when each zone supply line is open to atmosphere. If it activates, then readjust pressure protection valve.
- ___ Confirm clear air flow to steer supply and back from tires, by disconnecting supply line at frame valve on each side.
- ___ Confirm clear air flow to drives and back from tires, by disconnecting one air supply line at hanger, then opening one wheel valve at a time.
- ___ Confirm clear air flow out of trailer main supply line by opening trailer control main line valve
- ___ Check Electric pressure switch operation by lowering brake air pressure slowly. “LOW AIR SUPPLY” warning should appear on Operator Control Unit at cut out pressure (75 psi +/- 5 psi). Allow brake air pressure to rebuild and warning should go off at cut-in pressure (88 psi +/- 5 psi).
- ___ Compare air pressures at valve pack (schrader valve(s) on side of valve box) to Operator Control Unit (with pressure stabilized)

4. System Leaks: (build system to maximum tire pressures before leak check)

- ___ Air supply system at truck wet tank (all fittings and hoses)
- ___ Fittings, outer & under side of valve box
- ___ Fittings from valve box to trailer supply
- ___ Fittings from valve box to tractor wheels
- ___ Fittings from valve box to steering wheels
- ___ Post Install Leak test each zone (Steer, drive and trailer zones) *Refer to “Post Install Leak Test” in Installation Guide*

5. TIREBOSS Systems Operation

- ___ Check Load sensing ON at set pressures (ie. 55 psi.) (if optional Load Sensing installed). *Refer to “LoadSensing Option Kit Installation” in Installation Guide*
- ___ Verify good speed signal with road test. *Refer to “Testing Overspeed Function” in Installation Guide*
- ___ Check overspeed warning & audible indicator. *Refer to “Testing Overspeed Function” in Installation Guide*
- ___ Confirm proper adjustment of Pressure Protection Valve. *Refer to “Pressure Protection Valve Adjustment” in Installation Guide*
- ___ Check program functions as per pressure setting cab cards (supplied with each system)

6. Final Inspection and check list

- ___ Verify the following in items are placed in cab: Operators Guide Pressure Settings Cab Card/s
Operator Training Video Optional Road Repair Kit
- ___ Verify no interference of TIREBOSS by C.B. or Two-way radio (Transmit to confirm)
- ___ Warning decal installed on visor

Notes _____

All systems Inspected By: Installation Shop: _____ City: _____

Mechanic: _____ Date: _____