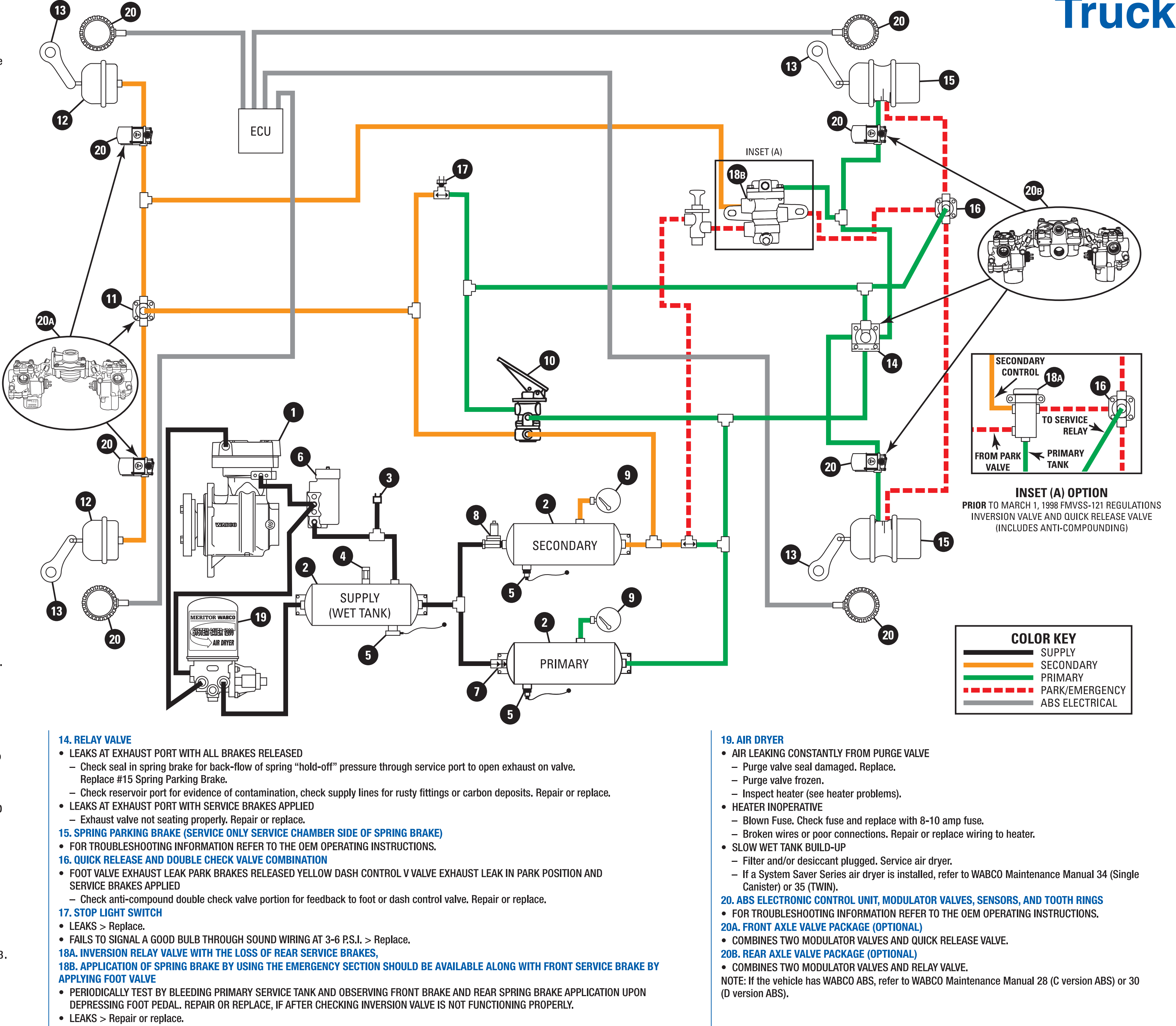


CONDITION/REMEDY

1. COMPRESSOR
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
- NOTE: If the compressor is manufactured by WABCO, refer to Maintenance Manual 31 (318 Compressor for Mack E-Tech™ Engines) or contact WABCO North America Customer Care at 855-228-3203
2. SUPPLY, PRIMARY AND SECONDARY AIR TANKS
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
3. LOW PRESSURE INDICATOR SWITCH
- BUZZER OR LIGHT INOPERABLE
- Check ground and wiring on switch and buzzer/light.
- Replace switch or buzzer/light.
- WON'T OPERATE AT PRESSURES BELOW 60 P.S.I.
- Check dash gauge for accuracy.
- Replace switch or buzzer/light.
4. SAFETY VALVE
- "POPS" OFF EXCESSIVELY
- Check system pressure.
- Valve operating properly when venting at 140/150 P.S.I. (as required).
- Check unloader/governor.
- "POPS" OFF AT LESS THAN 140 P.S.I. > Replace.
- LEAKS > Replace.
- WON'T FUNCTION > Replace if non-functional.
- Periodic Test: remove and test above 150 P.S.I. with shop air.
5. DRAIN VALVES — MANUAL
- LEAKS > Replace.
5. DRAIN VALVES — AUTOMATIC
- WON'T DRAIN > Repair or replace.
- WON'T DRAIN IN COLD WEATHER > Replace with heated unit.
- LEAKS — MALFUNCTIONS > Repair or replace.
- Periodic Test: with system pressure stabilized (compressor unloaded) no leak evident at discharge port — make several foot brake applications to reduce wet tank pressure. Moisture should drain from discharge port.
6. GOVERNOR
- FLUTTERS
- Check gauge.
- Check unloader line size (5/16" x 5' maximum).
- Check air actuated accessory. Is the air volume requirement greater than governor capacity?
- Check for plugged governor reservoir line.
- Repair, adjust or replace governor.
- WON'T PASS AIR TO UNLOADER TO "CUT-OUT" COMPRESSOR
- Check governor reservoir line.
- Repair or replace.
7. SINGLE CHECK VALVE
- ALLOW BLEED BACK TO SUPPLY RESERVOIR
- Periodic Test: bleed supply reservoir and observe gauges. Check valves should maintain primary and secondary reservoir pressure.
- Replace if test results are negative.
8. PRESSURE CONTROL CHECK VALVE
- WILL NOT PERMIT AIR TO PURGE AIR DRYER. CHECK THAT ONE-WAY CHECK HAS BEEN REMOVED.
9. AIR GAUGE
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
10. DUAL SYSTEM FOOT BRAKE VALVE
- LEAKS AT EXHAUST WITH ALL BRAKES RELEASED
- Check anti-compound double check valve #16.
- Check #18A & 18B for back flow into service control line.
- Check seal in spring brake for back-flow of spring "hold-off" pressure through service port to open exhaust on valve. Replace #15 Spring Parking Brake.
- CAUTION: CHOCK WHEELS — REPAIR AND REPLACE ITEMS AS NECESSARY.
- LEAKS AT EXHAUST WITH FOOT BRAKE APPLIED > Foot valve defective. Repair or replace.
- LEAKS AT EXHAUST WITH ALL PARK BRAKES SET IN PARK POSITION AND FOOT BRAKE RELEASED > Foot valve defective. Repair or replace.
11. QUICK RELEASE VALVE
- LEAKS AT EXHAUST PORT WITH ALL BRAKES RELEASED
- Check and replace #18A or 18B if back-flow occurs into secondary control line.
- LEAKS WHEN SERVICE BRAKES ARE APPLIED > Repair or replace.
12. SERVICE BRAKE CHAMBER
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
13. SLACK ADJUSTER
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
- NOTE: If the slack adjusters are manufactured by WABCO, refer to Maintenance Manual 4B (Automatic Slack Adjusters) or contact WABCO North America Customer Care at 855-228-3203.



CONDITION/REMEDY

1. COMPRESSOR
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- NOTE: If the compressor is manufactured by WABCO, refer to Maintenance Manual 31 (318 Compressor for Mack E-Tech™ Engines) or contact WABCO North America Customer Care at 855-228-3203.
2. SUPPLY, PRIMARY AND SECONDARY AIR TANKS
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
3. LOW PRESSURE INDICATOR SWITCH
- BUZZER OR LIGHT INOPERABLE
- Check ground and wiring on switch and buzzer/light.
- Replace switch or buzzer/light.
- WON'T OPERATE AT PRESSURES BELOW 60 P.S.I.
- Check dash gauge for accuracy.
- Replace switch or buzzer/light.
4. SAFETY VALVE
- "POPS" OFF EXCESSIVELY
- Check system pressure.
- Valve operating properly when venting at 140/150 P.S.I. (as required).
- Check unloader/governor.
- "POPS" OFF AT LESS THAN 140 P.S.I. > Replace.
- LEAKS > Replace.
- WON'T FUNCTION > Replace if non-functional.
- Periodic Test: remove and test above 150 P.S.I. with shop air.
5. DRAIN VALVES — MANUAL
- LEAKS > Replace.
5. DRAIN VALVES — AUTOMATIC
- WON'T DRAIN > Repair or replace.
- WON'T DRAIN IN COLD WEATHER > Replace with heated unit.
- LEAKS — MALFUNCTIONS > Repair or replace.
- Periodic Test: with system pressure stabilized (compressor unloaded) no leak evident at discharge port — make several foot brake applications to reduce wet tank pressure. Moisture should drain from discharge port.
6. GOVERNOR
- FLUTTERS
- Check gauge.
- Check unloader line size (5/16" x 5' maximum).
- Check air actuated accessory. Is the air volume requirement greater than governor capacity?
- Check for plugged governor reservoir line.
- Repair, adjust or replace governor.
- WON'T PASS AIR TO UNLOADER TO "CUT-OUT" COMPRESSOR
- Check governor reservoir line.
- Repair or replace.
7. SINGLE CHECK VALVE
- ALLOW BLEED BACK TO SUPPLY RESERVOIR
- Periodic Test: bleed supply reservoir and observe gauges.
- Check valves should maintain primary and secondary reservoir pressure.
- Replace if test results are negative.
8. PRESSURE CONTROL CHECK VALVE
- WILL NOT PERMIT AIRFLOW REQUIRED TO PURGE AIR DRYER
- Make sure the single check valve has been removed.
9. AIR GAUGE
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
10. DUAL SYSTEM FOOT BRAKE VALVE
- LEAKS AT EXHAUST WITH ALL BRAKES RELEASED
- Check anti-compound double check valve #16.
- Check #20 and #18A & 18B for back-flow into service control line.
- Check trailer air system for back-flow into tractor's service control line.
- Check seal in spring brake for back-flow of spring "hold-off" pressure through service port to open exhaust on valve. Replace #15 Spring Parking Brake.
- CAUTION: CHOCK WHEELS — REPAIR AND REPLACE ITEMS AS NECESSARY.
- LEAKS AT EXHAUST WITH HAND VALVE APPLIED > Check double check valve #23 or #24. Repair or replace.
- LEAKS AT EXHAUST WITH FOOT BRAKE APPLIED > Foot valve defective. Repair or replace.
- LEAKS AT EXHAUST WITH ALL PARK BRAKES SET IN PARK POSITION AND FOOT BRAKE RELEASED > Foot valve defective. Repair or replace.
11. QUICK RELEASE VALVE
- LEAKS AT EXHAUST PORT WITH ALL BRAKES RELEASED
- Check and replace #18A or 18B if back-flow occurs into secondary control line.
- LEAKS WHEN SERVICE BRAKES ARE APPLIED > Repair or replace.
12. SERVICE BRAKE CHAMBER
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
13. SLACK ADJUSTER
- FOR TROUBLESHOOTING INFORMATION REFER TO THE OEM OPERATING INSTRUCTIONS.
- NOTE: If the slack adjusters are manufactured by WABCO, refer to Maintenance Manual 4B (Automatic Slack Adjusters) or contact WABCO North America Customer Care at 855-228-3203

