**GOVERNOR**
- Damaged wet tank
- Won't pass air to unloader to "cut-out" compressor
- Leaks - malfunction
- Won't drain
- Leaks - won't function
- "Pops" off at less than 140 P.S.I.
- "Pops" off excessively.

**SLOW PRESSURE BUILD-UP**
- Pumps beyond "cut-out"?

**WET TANK**
- Check air actuated accessory. Is the air volume requirement greater than governor capacity?
- Repair, adjust or replace governor.
- Check gauge.
- Repair or replace.
- Replace switch or buzzer/light.

**PUMPS**
- Check inlet and exhaust valves. Leak will be evident at intake when valve operating properly in venting at 140/150 P.S.I.
- Check compressor drive.
- Check inlet valves and plungers. If stuck, leak will be evident at intake.
- Check compressor ring wear. Exchange for service unit.
- Check for excessive engine crankcase pressure (poor engine ventilation).
- Check for fitting restricting drain.
- Check for undersize return line (1/2" minimum).

**AIR GAUGE**
- Incorrect reading
- Periodic test: remove and test above 150 P.S.I. with shop air.

**ABS IN-LINE VALVES**
- Repair or replace #23 if #17 is functioning properly.
- Replace, if it won't exhaust. Repair or replace #17 if #23 is functioning properly.
- Defective valve. Repair or replace.
- Hand control valve is defective. Repair or replace.
- Replace or dash control valve. Repair or dash valve if functioning properly.

**BARREL VALVE OIL SEALS (NOT SHOWN IN SCHEMATIC)**
- Check spheroid nut.
- Inspect heater (see heater problems).
- Purge valve frozen.
- Check #18 anti-compound double check valve.
- Check serrations on O.D. and I.D. to see that sealing surfaces are dry. If not, scrape with paraffin and reseal.

**STOP LIGHT SWITCH**
- Replace #19 and #20. Repair or replace #20 if #19 is functioning properly.
- Check #18 anti-compound double check valve.

**MANIFOLD DASH VALVE WITH BUILT-IN TWO-IN-ONE CHECK (RED OCTAGON)**
- Repair #18 valve.
- Repair or replace manifold dash valve.
- Repair or replace manifold dash valve.
- Repair or replace.

**PARKING BRAKE PARKING VALVE**
- Service chamber malfunction
- Two-line tractor protection valve
- Foot valve exhaust port leaks when hand valve is applied
- Foot valve exhaust port leaks when hand valve is applied
- Service chamber side of spring parking brake (service only)
- Rear foot brake pressure for delivery to trailer
- Front foot brake pressure for delivery to trailer

**WINTERIZATION**
- Replace or dash control valve. Repair or dash valve if functioning properly.

**FLUID DRAIN DRAIN VALVES**
- Inspect heater (see heater problems).
- Purge valve frozen.
- Check #18 anti-compound double check valve.
- Check serrations on O.D. and I.D. to see that sealing surfaces are dry. If not, scrape with paraffin and reseal.

**SLOW BLEED-DOWN**
- Will not respond to trailer charge valve
- Delivery to trailer
- Delivery to trailer
- Delivery to trailer

**REAR TANK BLEED-DOWN**
- Also bleeds front tank or vice versa

**FOOT VALVE EXHAUST PORT**
- Leaks when hand valve is applied

**SERVICE CHAMBER MALFUNCTION**
- Fails to signal a good bulb through sound wiring at 3-6 P.S.I.
- Service chamber and rear brake reservoirs to feed park control (set R option with two valve dash panel)
- Foot valve exhaust port leaks when hand valve is applied
- Foot valve exhaust port leaks when hand valve is applied

**TRAILER CHARGE VALVE (YELLOW DIAMOND)**
- Repair or replace.
- Repair or replace.
- Repair or replace.
- Repair or replace.

**PARK BRAKE**
- Won't release
- Service chamber side of spring parking brake (service only)
- Service chamber side of spring parking brake (service only)
- Service chamber side of spring parking brake (service only)

**FIND IT IN LITERATURE**
- For complete troubleshooting information refer to literature "PIECES MODAL POWER TK-2 INSTALLATION & SERVICE MANUAL (L30022)"

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