

**BEECHCRAFT  
BARON 58P AND BARON 58TC  
MAINTENANCE MANUAL**

**TROUBLESHOOTING  
PRESSURIZATION SYSTEM (TJ-3 and after)**

<i>TROUBLE</i>	<i>PROBABLE CAUSE</i>	<i>REMARKS</i>
1. Unable to pressurize.	a. Cabin altitude controller inoperative.	a. Check by performing PRESSURIZATION TEST.
	b. Outflow valve inoperative.	b. Check by performing PRESSURIZATION TEST.
	c. Dump valve solenoid stuck in open position.	c. Cycle pressurization system circuit breaker, check for operation of solenoid; replace if inoperative.
	d. Shutoff solenoid in cabin controller supply line stuck in closed position.	d. Cycle pressurization system circuit breaker, check for operation of solenoid; replace if inoperative.
	e. Outflow valve control line restricted.	e. Check for restrictions; repair or replace.
	f. Outflow valve and safety valve seats dirty.	f. Clean the valve seats with a lint-free cloth moistened with isopropyl alcohol.
	g. Firewall shutoff valves pulled closed.	g. Open valves.
	h. Hole in flex ducts from engine.	h. Inspect and repair or replace as required.
	i. Excessive pressure leaks in cabin (door, seal, etc.)	i. Check cabin for leaks; repair as required.
2. No pressure indication on ground.	a. Pressurization system switch inoperative.	a. Replace switch.
	b. Rate-of-climb indicator inoperative.	b. Replace indicator.
	c. Manifold pressure too low during check.	c. Increase manifold pressure to a minimum of 20 in. Hg.
3. Maximum cabin differential pressure exceeds 3.75 psi on TJ-3 thru TJ-168, except TJ-153 or 3.9 psi on TJ-153 and TJ-169 and after.	a. Cabin altitude and differential pressure indicator inoperative.	a. Replace indicator.
	b. Safety valve and outflow valve out of adjustment.	b. Replace valves.
	c. True static air vent tubes loose or damaged.	c. Inspect lines and fittings; tighten or replace as required.

**BEECHCRAFT  
BARON 58P AND BARON 58TC  
MAINTENANCE MANUAL**

**TROUBLESHOOTING  
PRESSURIZATION SYSTEM (TJ-3 and after) (Cont'd)**

<i>TROUBLE</i>	<i>PROBABLE CAUSE</i>	<i>REMARKS</i>
4. Cabin pressure slow to respond to change in selected cabin altitude.	a. Cabin pressurization control supply line or the outflow valve control line kinked or restricted.	a. Inspect lines and fittings; repair or replace as required.
	b. Cabin pressurization controller filter restricted.	b. Clean filter.
5. Cabin altitude higher than selected altitude.	a. Cabin altitude controller out of adjustment.	a. Replace controller.
	b. Cabin altitude indicator inoperative.	b. Replace indicator.
	c. Cabin pressurization controller inoperative.	c. Replace controller.
	d. Cabin pressurization controller filter restricted.	d. Clean filter.
	e. Outflow valve control line kinked or restricted.	e. Inspect, repair as necessary.
6. Cabin altitude lower than selected altitude. (Not exceeding maximum differential pressure).	a. Cabin pressurization controller out of adjustment.	a. Replace controller.
	b. Cabin altitude controller supply line or outflow valve control line leaks.	b. Inspect, repair or replace as required.
	c. Cabin altitude indicator inoperative.	c. Replace indicator.
7. Cabin pressure fluctuation.	a. Valve seats dirty.	a. Clean the valve seats with a lint-free cloth moistened with isopropyl alcohol.
8. Cabin pressurization system circuit breaker tripped.	a. Dump valve solenoid shorted.	a. Locate cause, repair or replace defective component, reset circuit breaker.
	b. Shutoff solenoid in cabin pressurization controller shorted.	b. Locate cause, repair or replace defective component, reset circuit breaker.
	c. Pressurization system circuit shorted.	c. Locate cause, repair or replace defective component, reset circuit breaker.

**BEEHCRAFT  
BARON 58P AND BARON 58TC  
MAINTENANCE MANUAL**

**TROUBLESHOOTING  
PRESSURIZATION SYSTEM (TJ-3 and after) (Cont'd)**

<i>TROUBLE</i>	<i>PROBABLE CAUSE</i>	<i>REMARKS</i>
9. Airplane pressurizes on ground.	a. Landing gear safety switch inoperative or improperly rigged.  b. Open circuit in cabin pressurization circuit.	a. Replace or adjust the RH landing gear safety switch.  b. Locate cause, repair or replace defective component.

**"END"**