

B & C Specialty Products Inc

123 East 4th Street, P.O. Box B, Newton KS 67114-0894

Telephone (316) 283-8000 • Fax (316) 283-7400

Manufacturer of Lightweight Electrical Systems

INSTALLATION INSTRUCTIONS FOR SD8 ALTERNATOR

1. Be sure you install a NEW oil seal in the vacuum pump pad adaptor casting before you install the alternator. The alternator does NOT have an oil seal in it.
 2. Install proper gasket, then slide alternator onto vacuum pump pad.
 3. Before you install the nuts onto the four studs, hold alternator in position and check visually to be sure that there is clearance between the alternator and:
 - a. The tachometer drive housing
- AND**
- b. The oil screen housing
 4. Install washers and nuts, torque to proper value.
 5. Be sure that all cables and lines, etc. are held back. The magnetic housing rotates and cannot rub up against anything!
 6. Mount regulator in the coolest possible place. Wire according to the supplied wiring diagram.
 7. Note: when performing final test, be advised that alternator output is constrained by the gearing of the accessory (vacuum pump) pad. **Measurable output should not be anticipated until the engine is operating at approximately 1800 RPM.**

If this alternator is being used on a 4 cylinder Continental engine with the vacuum pump drive on the bottom of the case, the alternator should be modified by B & C Specialty Products. Two small drain holes should be drilled in the magnetic housing so that water can drain out. There should be baffling installed in front of the alternator so that water can't go into the alternator in the first place.

**This part is not STC'd and is sold
for amateur built aircraft only.**