

## Part No. 99-9900

## **Installation Instructions**

- 1. Disconnect aircraft battery.
- 2. Install alternator per included drawing. Supply outside ram air to rear of alternator By the use of 1" scat tube or other suitable ducting.
- 3. Refer to appropriate engine service manual for belt tension and bolt torques.
- 4. Install battery wire with MS25171-2S terminal nipple on 6mm output terminal and torque to 50 in. lb.

5. Install connector in rear of alternator and wire in accordance with diagram on front of drawing

- 6. Reconnect aircraft battery.
- 7. Start engine, enable alternator and check for proper buss voltage.

## **Troubleshooting Instructions**

Alternator is equipped with an internal crowbar over-voltage protection circuit which will disable alternator if an over-voltage condition is sensed.

If 5-amp enable circuit breaker trips from an over-voltage condition in the alternator:

1. Reset 5-amp enable circuit breaker and continue operation.

2. If 5-amp enable circuit breaker trips again, land as soon as possible and investigate cause.

## **Maintenance Instructions**

Annual Inspection:

1. Remove drive belt and turn alternator rotor to check condition of bearings for abnormal noise or roughness.

5 year or 1000 hour intervals:

1. Repeat: Annual Inspection.

2. Remove field brush assembly and inspect brushes for excess wear. Replace brush assembly if brushes extend less than .250" from edge of brush holder case.