

THRUSH AIRCRAFT, INC.
P.O. BOX 3149
ALBANY, GEORGIA 31706-3149

S-2R FLIGHT MANUAL

SECTION III EMERGENCY PROCEDURES

FORCED LANDING

If an engine failure occurs follow the following procedures as time and altitude permit:

1. Hopper Load - JETTISON, as required.
2. Airspeed - MAINTAIN 80 to 90 MPH, with flaps retracted.

If all attempts to restart the engine fail, prepare for a landing as follows:

3. Seat Belt and Shoulder Harness - CHECK SECURE.
4. Mixture Control - IDLE CUTOFF.
5. Fuel Selector Valve - OFF.
6. Ignition Switch - OFF.
7. Wing Flaps - EXTEND FULLY (30 degrees).
8. Airspeed - 75 to 85 MPH.
9. All Electrical Switches - OFF, prior to landing unless landing lights are required.

NOTE

Land in a three point attitude and use heavy braking during the roll-out.

ELECTRICAL SYSTEM FAILURES

Excessive Charge: After periods of heavy electrical usage, such as prolonged cold weather starts or extended periods of taxiing, the battery charge level will have dropped low enough to accept higher than normal charge rates during the initial part of the flight. However, after a reasonable length of time (thirty to sixty minutes), the ammeter indication should decrease steadily to a point of less than two needle-widths on the charge side of zero, and the voltmeter should indicate approximately 28 volts. If the charging rate remains above this value for an extended period of time, there is a possibility that the battery may overheat and evaporate electrolyte at an excessive rate. To preclude the possibility of an overcharging condition affecting the battery, the ALT half of the master switch should be turned OFF and the flight terminated, or electrical load reduced to an essential minimum if landing is impractical.

Insufficient Charge: A continuous discharge rate, noted on the ammeter during flight, generally indicates an alternator circuit malfunction; therefore the ALT half of the master switch should be turned OFF. With the ALT half of the master switch OFF, the entire accessory electrical load is placed on the battery, and all non-essential electrical equipment should be turned off to reduce the discharge rate of the battery.