

## - ELECTRICAL POWER SUPPLY SYSTEM MALFUNCTIONS -

### - AMMETER SHOWS EXCESSIVE RATE OF CHARGE (Full Scale Deflection) -

Alternator . . . . . OFF  
Alternator Circuit Breaker . . . . . PULL  
Nonessential Electrical Equipment . . . . . OFF  
Flight . . . . . LAND ASAP

### - LOW-VOLT LIGHT ILLUMINATES DURING FLIGHT (Ammeter shows discharge) -

Avionics Power Switch . . . . . OFF  
Alternator Circuit Breaker . . . . . CHECK IN  
Master Switch . . . . . OFF  
Master Switch . . . . . ON  
Low-Voltage Light . . . . . CHECK OFF  
Avionics Power Switch . . . . . ON

#### *If low-voltage light illuminates again*

Alternator . . . . . OFF  
Nonessential Radio & Electrical Equip . . . . . OFF  
Flight . . . . . LAND ASAP

*NOTE: Illumination of low-voltage light may occur during low RPM conditions with an electrical load on the system such as during a low RPM taxi. Under these conditions, the light will go out at higher RPM. The master switch need not be recycled since an over-voltage condition has not occurred to de-activate the alternator system.*

## - STATIC SOURCE BLOCKAGE -

Static Pressure Alt Source Valve . . . . . FULL ON  
Cabin Heat & Air . . . . . ON  
Vents . . . . . CLOSED  
Airspeed . . . . . CONSULT CALIBRATION TABLES

## - SPIN RECOVERY -

Power . . . . . IDLE  
Ailerons . . . . . NEUTRAL  
Rudder . . . . . FULL OPPOSITE  
Elevator . . . . . BRISKLY FORWARD  
*Return to desired altitude, attitude, airspeed, & heading*

Vr: 55 kts  
Vx: 61 kts  
Vy: 70 kts  
Vg: 65 kts  
Va @2550lbs: 105 kts  
Va @1950lbs: 89 kts  
Vs<sub>0</sub>: 33 kts  
Vs<sub>1</sub>: 44 kts  
Vno: 127 kts  
Vne: 158 kts

# SPRINGS AVIATION

CESSNA 172N 180HP

N5155K

EMERGENCY PROCEDURES CHECKLIST

## - ENGINE FAILURES -

### - DURING TAKEOFF ROLL -

Throttle . . . . . IDLE  
Brakes . . . . . APPLY  
Wing Flaps . . . . . RETRACT  
Mixture . . . . . IDLE CUTOFF  
Ignition Switch . . . . . OFF  
Master Switch . . . . . OFF

### - IMMEDIATELY AFTER TAKEOFF -

Airspeed . . . . . 65 KIAS (flaps up)  
. . . . . 60 KIAS (flaps down)  
Mixture . . . . . IDLE CUTOFF  
Fuel Selector Valve . . . . . OFF  
Ignition Switch . . . . . OFF  
Wing Flaps . . . . . AS REQUIRED  
Master Switch . . . . . OFF

### - DURING FLIGHT (RESTART PROCEDURES) -

Airspeed . . . . . 65 KIAS  
Carburetor Heat . . . . . ON  
Fuel Selector Valve . . . . . BOTH  
Mixture . . . . . RICH (or set for alt)  
Ignition Switch . . . . . BOTH  
. . . . . (or start if prop is stopped)  
Primer . . . . . IN & LOCKED

