

## AMMETER EXCESSIVE CHARGE

ALTERNATOR.....OFF  
NONESSENTIAL ELECTRONICS.....OFF  
LAND.....AS SOON AS PRACTICAL  
*ENGINE WILL STILL RUN NORMALLY.*

## RADIO FAILURE

CIRCUIT BREAKERS.....CHECK IN  
RADIO VOLUME.....CHECK  
HEADSET VOLUME.....CHECK  
HEADSET PLUGS.....CHECK SECURE  
CORRECT FREQUENCY.....VERIFY  
AUDIO PANEL.....CHECK  
*VERIFY YOU ARE LISTENING IN ON THE  
CORRECT RADIO.*  
AVIONICS MASTER.....OFF THEN ON  
*IF NO SUCCESS WITH TROUBLESHOOTING:*  
SQUAWK.....7600  
LAND.....AS SOON AS PRACTICAL  
*ENGINE WILL STILL RUN NORMALLY.*

## MISCELLANEOUS

### ICING

EMERGENCY.....DECLARE  
PITOT HEAT.....ON  
ALT STATIC.....OPEN  
ICING CONDITIONS.....ESCAPE  
CARB HEAT.....ON IF REQ.  
DEFROSTER/HEAT.....ON  
LAND.....AS SOON AS PRACTICAL

### FLOODED ENGINE

MIXTURE.....FULL LEAN  
THROTTLE.....FULL FWD  
STARTER.....CRANK  
*CRANK FOR SEVERAL REVOLUTIONS.*  
NORMAL START PROCEDURE.....REPEAT  
*DO NOT PRIME ENGINE.*

## FOULED SPARK PLUGS

*EXCESSIVE RPM DROP OR ENGINE  
ROUGHNESS DURING RUNUP*

ENGINE RPMS.....INCREASE  
MIXTURE.....LEAN FOR SMALL RPM DROP  
OIL TEMP/PRESSURE.....MONITOR  
*RUN FOR ONE MINUTE*  
ENGINE RPMS.....1700  
MIXTURE.....RICH  
*REPEAT MAG CHECK. IF NO CHANGE, MAY  
ATTEMPT TO CLEAR PLUGS AGAIN AND  
RECHECK. IF NO CHANGE, TERMINATE  
FLIGHT.*

## HIGH DENSITY ALTITUDE TAKEOFF

*DENSITY ALTITUDE 5000' OR GREATER  
DURING RUNUP*

THROTTLE.....FULL  
MIXTURE.....LEAN FOR PEAK RPM  
THROTTLE.....1000 RPM  
*TAKEOFF WITH MIXTURE LEANED. UTILIZE  
SHORT FIELD TAKEOFF TECHNIQUE IF  
POSSIBLE.*

## DOOR OPEN IN CRUISE

AIRCRAFT.....TRIM FOR LEVEL  
SEAT BELTS.....FASTEN  
CABIN VENTS.....OPEN  
DOOR.....CLOSE  
*IF UNABLE TO CLOSE DOOR, TERMINATE  
FLIGHT.*

### EMERGENCY TRANSPONDER CODES

7500.....HIJACKING  
7600.....LOST COMMS  
7700.....EMERGENCY

GUARD FREQUENCY.....121.5



## EMERGENCY/ABNORMAL CHECKLIST N916AT

### ENGINE FAILURES

### ENGINE FAILURE ON TAKEOFF ROLL

THROTTLE.....IDLE  
BRAKES.....APPLY  
FLAPS.....RETRACT  
MIXTURE.....CUTOFF  
MAG/EIS.....OFF  
BATT/ALTERNATOR.....OFF

### ENGINE FAILURE AFTER TAKEOFF BELOW 1000' AGL

AIRSPEED.....70KTS  
LANDING AREA.....SELECT  
MIXTURE.....CUTOFF  
FUEL SELECTOR.....OFF  
MAG/EIS.....OFF

#### ONCE LANDING IS ASSURED:

FLAPS.....AS REQ.  
AIRSPEED WITH FLAPS.....65  
*DECLARE EMERGENCY IF TIME PERMITS.*  
BATT MASTER/ALTERNATOR.....OFF  
DOORS.....OPEN PRIOR TO LANDING  
*TOUCH DOWN AT LOWEST POSSIBLE  
AIRSPEED WITH FLAPS, DO NOT TURN  
BACK TO RUNWAY.*

## ENGINE POWER LOSS IN FLIGHT

AIRSPEED.....75KTS  
LANDING AREA.....SELECT  
CARB HEAT.....ON  
FUEL SELECTOR.....BOTH  
MIXTURE.....RICH  
FUEL PUMP.....ON IF PRESS. BELOW 0.5PSI  
MAGNETOS.....CYCLE  
PRIMER.....IN AND LOCKED  
*IF NO RESTART, PROCEED TO POWER OFF  
LANDING CHECKLIST.*

## POWER OFF LANDING

AIRSPEED.....70KTS  
LANDING AREA.....INSPECT  
WIND DIRECTION/SPEED.....NOTE  
SQWK CODE.....7700  
ATC.....DECLARE EMERGENCY  
ELT.....ON  
FUEL PUMP.....OFF  
FUEL SELECTOR.....OFF  
MIXTURE.....CUTOFF  
MAG/EIS.....OFF  
SEATBELTS.....FASTEN

### ONCE LANDING IS ASSURED:

FLAPS.....AS REQ.  
AIRSPEED WITH FLAPS.....65  
BATT MASTER/ALTERNATOR.....OFF  
DOORS.....UNLATCH  
*TOUCH DOWN AT LOWEST POSSIBLE  
AIRSPEED WITH FLAPS.*

## ROUGH RUNNING ENGINE

CARB HEAT.....ON  
MIXTURE.....RICH  
FUEL PUMP.....ON  
THROTTLE.....CHECK  
FUEL SELECTOR.....BOTH  
*IF OPERATION IS SATISFACTORY ON  
EITHER MAG, CONTINUE ON THAT MAG TO  
NEAREST AIRPORT AND PREPARE FOR  
POWER OFF LANDING*

## FIRES

### ENGINE FIRE DURING START

STARTER.....CONTINUE CRANKING  
**IF ENGINE STARTS:**  
POWER.....1700RPM FOR A FEW SECONDS  
ENGINE.....SHUTDOWN

### IF ENGINE FAILS TO START:

THROTTLE.....FULL  
MIXTURE.....CUTOFF  
STARTER.....CONTINUE CRANKING  
FUEL SELECTOR.....OFF  
BATT  
MASTER/ALTERNATOR.....OFF  
AIRCRAFT.....EVACUTE  
FIRE.....EXTINGUISH

### ENGINE FIRE IN FLIGHT

THROTTLE.....IDLE  
MIXTURE.....CUTOFF  
FUEL SELECTOR.....OFF  
CARB HEAT.....OFF  
CABIN HEAT/AIR.....OFF

### IF FIRE PERSISTS:

AIRSPEED.....100KIAS (to blow out fire)  
**ONCE FIRE IS OUT:**  
*PROCEED TO POWER OFF LANDING  
CHECKLIST*

### ELECTRICAL FIRE IN FLIGHT

BATT MASTER/ALTERNATOR.....OFF  
CABIN VENTS/AIR/HEAT.....CLOSE  
FIRE.....EXTINGUISH  
VENTS/WINDOWS.....OPEN IF NECESSARY  
AVIONICS.....OFF  
LAND.....AS SOON AS POSSIBLE

### CABIN FIRE

BATT MASTER/ALTERNATOR.....OFF  
CABIN HEAT/AIR/VENTS.....CLOSE  
FIRE.....EXTINGUISH  
VENTS/WINDOWS.....OPEN IF NECESSARY  
LAND.....AS SOON AS POSSIBLE

### LOSS OF OIL PRESSURE

DIVERT.....TO NEAREST AIRPORT  
LAND.....AS SOON AS POSSIBLE  
**IF TOTAL OIL PRESSURE LOSS IS  
ACCOMPANIED BY A RISE IN OIL TEMP:**  
THROTTLE.....MINIMUM REQUIRED  
LAND.....AS SOON AS POSSIBLE  
*PREPARE FOR POWER OFF LANDING*

### HIGH OIL TEMPERATURE

DIVERT.....TO NEAREST AIRPORT  
LAND.....AS SOON AS POSSIBLE  
*PREPARE FOR POWER OFF LANDING*

## ELECTRICAL MALFUNCTIONS

### ALTERNATOR FAILURE

*(LOW VOLTAGE LIGHT OR AMMETER  
DISCHARGING)*  
ALTERNATOR.....OFF  
ALT CIRCUIT BREAKER.....CHECK IN  
ALTERNATOR.....ON  
*IF LOW VOLTAGE LIGHT COMES  
ON/AMMETER SHOWS DISCHARGE:*  
ALTERNATOR.....OFF  
NONESSENTIAL ELECTRONICS.....OFF  
LAND.....AS SOON AS PRACTICAL  
*ENGINE WILL STILL RUN NORMALLY.*

**ELECTRICAL MALFUNCTIONS CONTINUED  
ON NEXT PAGE**