

AMMETER EXCESSIVE CHARGE

ALTERNATOR.....OF
F
ELECTRICAL LOAD.....SHED
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.....O
N
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

SPARK PLUG FOULING

*EXCESSIVE RPM DROP OR ENGINE
ROUGHNESS DURING RUNUP*

ENGINE RPMS.....INCREASE
MIXTURE.....LEAN TO PEAK RPM
OIL TEMP/PRESSURE.....MONITOR
*RUN AT PEAK RPM FOR AT LEAST ONE
MINUTE*
ENGINE RPMS.....2000
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

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

DOOR OPEN IN FLIGHT

AIRCRAFT.....TRIM FOR LEVEL
SEAT BELTS.....FASTEN
CABIN VENTS.....OPEN
STORM WINDOW.....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 PIPER CHEROKEE

ENGINE FAILURES

ENGINE FAILURE ON TAKEOFF ROLL

THROTTLE.....IDLE
BRAKES.....APPLY
FLAPS.....RETRACT
FUEL SELECTOR.....OFF
MIXTURE.....CUTOFF
MAGNETOS.....OFF
BATT/ALTERNATOR.....OF
F

ENGINE FAILURE AFTER TAKEOFF

BELOW 1000' AGL

AIRSPPEED.....70KTS
LANDING AREA.....SELECT
FUEL SELECTOR.....OFF
MIXTURE.....CUTOFF
FUEL PUMP.....OFF
MAGNETOS.....OFF
DECLARE EMERGENCY IF TIME PERMITS
BATT
MASTER/ALTERNATOR.....OFF
FLAPS.....EXTEND
DOORS.....OPEN PRIOR TO
LANDING

TOUCH DOWN AT LOWEST POSSIBLE
SPEED

*This checklist is not intended to replace
the approved POH. Refer also to the
aircraft POH in an emergency.*

ENGINE POWER LOSS IN FLIGHT

AIRSPPEED.....70KTS
LANDING AREA.....SELECT
WIND DIRECTION/SPEED.....NOTE
CARB HEAT.....ON
MIXTURE.....RICH
FUEL PUMP.....ON
FUEL SELECTOR.....SWITCH
TANKS
PRIMER.....LOCKED
MAGNETOS.....ON/STAR
T
*IF NO RESTART, PROCEED TO POWER OFF
LANDING CHECKLIST*

POWER OFF LANDING

AIRSPPEED.....70KTS
SQWK CODE.....7700
ATC.....DECLARE EMERGENCY
FUEL SELECTOR.....OFF
FUEL PUMP.....OFF
MIXTURE.....CUTOFF
CARB HEAT.....OFF
MAGNETOS.....OFF
BATT MASTER.....OFF
ALTERNATOR.....OF
F
SEATBELTS.....FASTE
N
FLAPS.....EXTEND
DOORS.....UNLATC
H
*TOUCH DOWN AT LOWEST POSSIBLE
SPEED*

ROUGH RUNNING ENGINE

CARB HEAT.....ON
MIXTURE.....RICH
THROTTLE.....CHECK
FUEL PUMP.....ON
FUEL SELECTOR.....SWITCH
TANKS
*IF ENGINE ROUGHNESS PERSISTS, DIVERT
TO NEAREST AIRPORT AND LAND.
PREPARE FOR POWER OFF LANDING*

FIRES

ENGINE FIRE IN FLIGHT

MIXTURE.....CUTOFF
FUEL PUMP.....OFF
FUEL SELECTOR.....OFF
BATT MASTER.....OFF
ALTERNATOR.....OF
F
CARB HEAT.....OFF
CABIN HEAT/AIR.....OFF
AIRSPPEED.....INCREASE
ONCE FIRE IS OUT:
AIRSPPEED.....76KTS
LANDING AREA.....SELECT
WINDS.....NOTE
SEATBELTS.....FASTE
N
FLAPS.....EXTEND
DOORS.....UNLATC
H

ELECTRICAL FIRE IN FLIGHT

ALTERNATOR.....OF
F
BATT MASTER.....OFF
FAN/HEATER.....OF
F
FIRE.....EXTINGUISH
EMERGENCY
DESCENT.....INITIATE
LAND.....AS SOON AS POSSIBLE

ENGINE FIRE DURING START

STARTER.....CONTINUE CRANKING
*IF ENGINE START, RUN FOR SEVERAL
SECONDS THEN SHUT DOWN. IF NO START:*
MIXTURE.....CUTOFF
FUEL SELECTOR.....OFF
THROTTLE.....FULL IN
STARTER.....CONTINUE CRANKING
BATT MASTER.....OFF
ALTERNATOR.....OF
F
AIRCRAFT.....EVACUTE
FIRE.....EXTINGUISH

CABIN FIRE

BATT MASTER.....OFF
ALTERNATOR.....OF
F
FAN.....OFF
VENTS/HEAT.....CLOS
E
FIRE.....EXTINGUISH
VENTS/WINDOWS.....OPEN
EMERGENCY
DESCENT.....INITIATE
LAND.....AS SOON AS POSSIBLE

WING FIRE

NAV LIGHTS.....OFF
PITOT HEAT.....OFF
STROBES.....OFF
SIDESLIP.....PERFORM
*SLIP THE AFFECTED WING DOWNWIND TO
KEEP FLAMES AWAY FROM THE FUEL TANK*
FLAPS.....EXTEND
LAND.....AS SOON AS POSSIBLE

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

ELECTRICAL LOAD.....SHED

LAND.....AS SOON AS PRACTICAL

ENGINE WILL STILL RUN NORMALLY