



Bridgewater State University

PA-28R-200 ARROW EMERGENCY Checklist 1/18/2011 REV IV

V/R ENGINE FIRE DURING START

Mixture IDLE CUTOFF
 Throttle FULL FORWARD
 Ignition ENGAGE
 Fuel Selector OFF
 Master Switch OFF

Aircraft EVACUATE
 Checklist COMPLETE

V/R ENGINE FIRE DURING TAKEOFF (BEFORE V_R)

Throttle IDLE
 Stop STRAIGHT AHEAD
 Mixture IDLE CUTOFF
 Fuel Selector OFF
 Master Switch OFF

Aircraft EVACUATE
 Checklist COMPLETE

V/R ABORTED TAKEOFF (BEFORE V_R)

Throttle IDLE
 Stop STRAIGHT AHEAD
 Checklist COMPLETE

V/R ENGINE FAILURE AFTER V_R (USABLE RUNWAY)

Landing Gear DOWN
 Land STRAIGHT AHEAD
 Mixture IDLE CUTOFF
 Fuel Selector OFF
 All Switches (except Master) OFF
 Checklist COMPLETE

V/R ENGINE FAILURE AFTER V_R (OUT OF USABLE RUNWAY)

Airspeed ESTABLISH BEST GLIDE
 Fuel Pump ON

IF NO RESTART:
 Landing Gear AS REQUIRED
 Land STRAIGHT AHEAD
 Mixture IDLE CUTOFF
 Fuel Selector OFF
 All Switches (except Master & Avionics) OFF
 Radio MAYDAY
 ON CURRENT FREQUENCY OR 121.5
 Transponder SQUAWK 7700
 Flaps AS REQUIRED

Master Switch OFF
 Door UNLATCH
 Seatbelts/Shoulder Harnesses SECURED
 Checklist COMPLETE

V/R FUEL PRESSURE DROP/LOSS

Fuel Pump ON
 Fuel Selector SWITCH TANKS
 Land AS SOON AS POSSIBLE
 Checklist COMPLETE

V/R LOW OIL PRESSURE

Throttle MINIMUM REQUIRED
 Heading NEAREST AIRPORT
 Land AS SOON AS POSSIBLE
 Checklist COMPLETE

V/R ENGINE POWER LOSS / AIR RESTART

Airspeed ESTABLISH BEST GLIDE
 Best Landing Location SELECT
 Fuel Pump ON
 Fuel Selector SWITCH TANKS
 Mixture RICH
 Alternate Air OPEN
 Throttle OPEN ¼ INCH
 Master Switch ON
 Ignition CHECK BOTH ON
 (Engage If Propeller Stopped)

IF NO RESTART:
 Forced Landing Checklist EXECUTE
 Checklist COMPLETE

V/R FORCED LANDING

Best Landing Location SELECT
 Radio MAYDAY
 ON CURRENT FREQUENCY OR 121.5
 Transponder SQUAWK 7700
 ELT (If Off Airport) ACTIVATE
 Flaps AS REQUIRED

WHEN LANDING ASSURED

Landing Gear AS REQUIRED
 Mixture IDLE CUTOFF
 Fuel Selector OFF
 Master Switches OFF
 Seatbelts/Shoulder Harnesses SECURED
 Loose Items SECURED
 Door UNLATCH
 Approach to Landing Area STABILIZED
 Touchdown MINIMUM AIRSPEED
 Checklist COMPLETE

V/R DITCHING

Radio MAYDAY
 ON CURRENT FREQUENCY OR 121.5
 Transponder SQUAWK 7700
 Loose Objects SECURE, KEEP EXITS CLEAR
 Seatbelts/Shoulder Harnesses SECURE
 Door UNLATCH
 Landing Gear UP
 Flaps FULL DOWN (If Possible)
 ELT ACTIVATE
 Descent 300 fpm (If Possible)
 Approach PARALLEL SWELLS (If Possible)
 Touchdown Landing Attitude @ MIN. AIRSPEED
 Aircraft EVACUATE
 Life Vests/Raft (If Installed) INFLATE

NOTE

The above ditching procedure has not been demonstrated in the aircraft.



ENGINE FIRE IN FLIGHT

Mixture IDLE CUTOFF
 Fuel Selector OFF
 Fuel Pump OFF
 Ignition Switch OFF
 Cabin Air Vents CLOSED
 Emergency Descent EXECUTE
 Forced Landing Checklist EXECUTE
 Checklist COMPLETE

ELECTRICAL FIRE IN FLIGHT

Master Switch OFF
 Vents, Cabin Air, Heat OFF
 Fire Extinguisher ACTIVATE
 Cabin Air Vents/Window (Fire Extinguished) OPEN
 All Other Switches (Except Ignition) OFF

**IF FIRE EXTINGUISHED /
ELECTRICAL POWER NECESSARY**

Master Switch ON
 Circuit Breakers CHECK
 Avionics Switches OFF
 Avionics Master ON
 Avionics/Electrical Switches ON
 Checklist ONE AT A TIME
 Checklist COMPLETE

V/R CABIN FIRE IN FLIGHT

Master Switches OFF
 All Other Switches (except Ignition) OFF
 Cabin Heat, Air Vents CLOSED
 Fire Extinguisher (If Installed) ACTIVATE
 Cabin Air Vents, Window (Fire Extinguished) OPEN
 Battery Master ON, If Possible
 Land AS SOON AS POSSIBLE
 Checklist COMPLETE

V/R WING FIRE IN FLIGHT

Pitot Heat OFF
 Navigation Lights OFF
 Anti-Collision/Strobe Lights OFF
 Sideslip EXECUTE
 Land AS SOON AS POSSIBLE
 Checklist COMPLETE

V/R PROPELLER OVERSPEED

Throttle RETARD
 Oil Pressure CHECKED
 Propeller FULL DECREASE
 Airspeed REDUCE
 Throttle BELOW 1700 RPM
 Land AS SOON AS PRACTICABLE
 Checklist COMPLETE

**PROPELLER BLADE FAILURE
SEVERE ENGINE VIBRATION**

Propeller FULL DECREASE
 Mixture IDLE CUT OFF
 Pitch Attitude Increase to STOP PROP ROTATION

Airspeed ESTABLISH BEST GLIDE
 Forced Landing Checklist EXECUTE

V/R EMERGENCY DESCENT

Mixture RICH
 Propeller FULL FORWARD
 Throttle IDLE
 Flaps UP
 Landing Gear UP
 Airspeed AS REQUIRED
 Checklist COMPLETE

C/R EMERGENCY LANDING GEAR EXTENSION

Battery Master Switch ON
 Alternator Switch ON
 Circuit Breakers CHECKED/IN
 Panel Lights (Daytime) CHECKED/OFF
 Landing Gear Indicator Bulbs CHECKED
 Airspeed SLOW BELOW 100 MPH/87 KIAS
 Landing Gear Selector DOWN
 Emergency Landing Gear Lever DOWN
 Landing Gear Lights 3/GREEN
 Checklist COMPLETE

C/R GEAR-UP LANDING

Flaps AS REQUIRED
 Throttle IDLE
 Seatbelts/Harnesses SECURED
 Door UNLATCH
 Touchdown MINIMUM AIRSPEED
 Mixture IDLE CUTOFF
 Fuel Pump OFF
 Master Switch OFF
 Aircraft EVACUATE
 Checklist COMPLETE

V/R LOW VOLTAGE INDICATION

Ammeter CHECK FOR DISCHARGE
 ALT Circuit Breaker CHECK
 If Circuit Breaker IN CYCLE "ALT" SWITCH

If Voltage Drop Continues/Alternator will not reset:
 "ALT" Switch OFF
 Electrical Load MINIMIZE
 Land AS SOON AS PRACTICAL
 Checklist COMPLETE

NOTE

If the battery has become fully discharged, and without an operational alternator, the landing gear must be lowered using the Emergency Landing Gear Extension procedure.