

SECTION 3 EMERGENCY PROCEDURES

## AMPLIFIED PROCEDURES

### **ENGINE FAILURE**

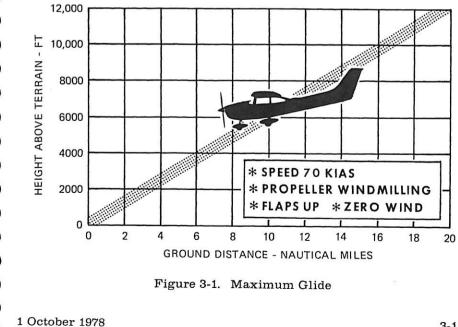
CESSNA

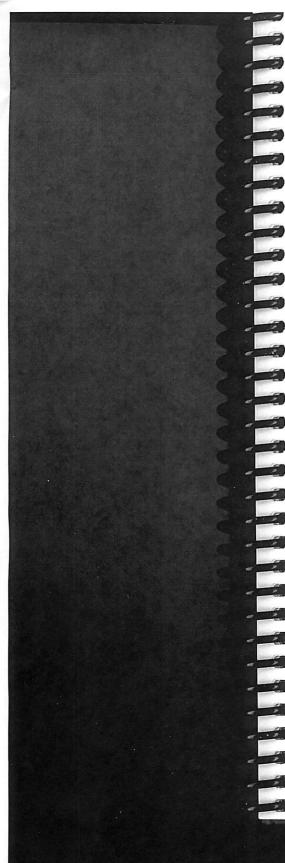
MODEL 182Q

If an engine failure occurs during the takeoff run, the most important thing to do is stop the airplane on the remaining runway. Those extra items on the checklist will provide added safety after a failure of this type.

Prompt lowering of the nose to maintain airspeed and establish a glide attitude is the first response to an engine failure after takeoff. In most cases, the landing should be planned straight ahead with only small changes in direction to avoid obstructions. Altitude and airspeed are seldom sufficient to execute a 180° gliding turn necessary to return to the runway. The checklist procedures assume that adequate time exists to secure the fuel and ignition systems prior to touchdown.

After an engine failure in flight, the best glide speed as shown in figure 3-1 should be established as quickly as possible. While gliding toward a suitable landing area, an effort should be made to identify the cause of the failure. If time permits, an engine restart should be attempted as shown in the checklist. If the engine cannot be restarted, a forced landing without power must be completed.





CESSNA MODEL 182Q

## INTRODUCTION

Section 4 provides checklist and amplified procedures for the conduct of normal operation. Normal procedures associated with optional systems can be found in Section 9.

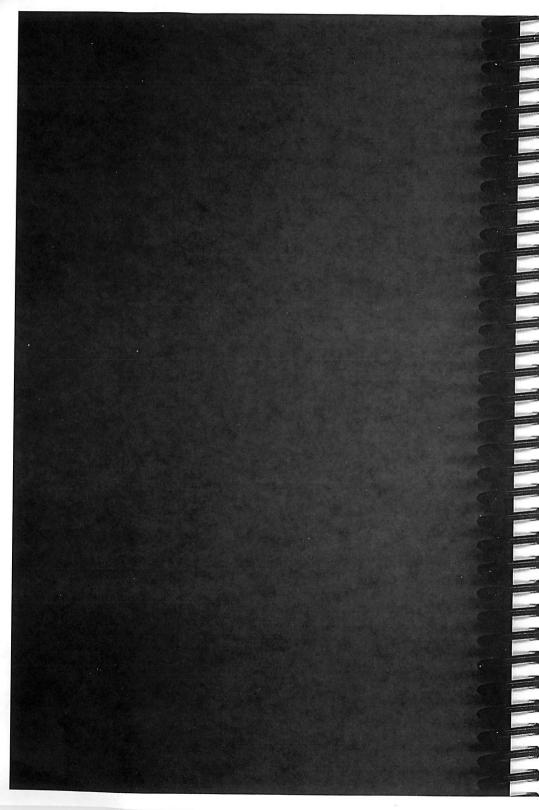
# SPEEDS FOR NORMAL OPERATION

Unless otherwise noted, the following speeds are based on a maximum weight of 2950 pounds and may be used for any lesser weight. However, to achieve the performance specified in Section 5 for takeoff distance, the speed appropriate to the particular weight must be used.

Takeoff:
Normal Climb Out
Short Field Takeoff, Flaps 20°, Speed at 50 Feet 57 KIAS
Enroute Climb, Flaps Up:
Normal
Best Rate of Climb, Sea Level
Best Rate of Climb, 10,000 Feet
Best Angle of Climb, Sea Level
Best Angle of Climb, 10,000 Feet
Landing Approach: Normal Approach, Flaps Up
Normal Approach, Flaps Up
Normal Approach, Flaps 40°
Short Field Approach, Flaps 40° 60 KIAS
Balked Landing:
Maximum Power, Flaps 20°
Maximum Recommended Turbulent Air Penetration Speed:
2950 Lbs
2450 Lbs
1950 Lbs
Maximum Demonstrated Crosswind Velocity:
Takeoff
Landing

1 October 1978

4-3



CESSNA MODEL 182Q STALL SPEEDS CONDITIONS: Power Off NOTES: 1. Maximum altitude loss during a stall recovery may be as much as 160 feet. 2. KIAS values are approximate. 

#### SECTION 5 PERFORMANCE

WEIGHT LBS	FLAP DEFLECTION	ANGLE OF BANK								
		0 <sup>0</sup>		30 <sup>0</sup>		45 <sup>0</sup>		60 <sup>0</sup>		
		KIAS	KCAS	KIAS	KCAS	KIAS	KCAS	KIAS	KCAS	
	UP	41	56	44	60	49	67	58	79	
2950	20 <sup>0</sup>	38	51	41	55	45	61	54	72	
	40 <sup>0</sup>	38	50	41	54	45	59	54	71	

## MOST REARWARD CENTER OF GRAVITY

## MOST FORWARD CENTER OF GRAVITY

	WEIGHT LBS	FLAP DEFLECTION	ANGLE OF BANK								
			0 <sup>0</sup>		30 <sup>0</sup>		45 <sup>0</sup>		60 <sup>0</sup>		
			KIAS	KCAS	KIAS	KCAS	KIAS	KCAS	KIAS	KCAS	
		UP	48	59	52	63	57	70	68	83	
	2950	20 <sup>0</sup>	47	55	51	59	56	65	66	78	
		40 <sup>0</sup>	45	54	48	58	54	64	64	76	

Figure 5-3. Stall Speeds

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