

ENROUTE CLIMB – FLAPS UP

Normal – 90 to 100 KIAS
Best angle (V_x) – 60 KIAS
Best rate (V_y) – 75 KIAS

CRUISE

Power – Refer to chart for recommended RPM, MAP and fuel flow setting for your desired altitude. Chart can be found in POH.
Cowl flaps – Close as required but do not let CHT rise above 380 degrees.
Fuel selector valve – Set to fuller tank as required if tanks are not burning evenly.

DESCENT

Fuel selector valve – BOTH
Power – ADJUST I/A/W cruise chart, reduce power as required to remain within airspeed limitations and turbulence considerations.
Cowl flaps – CLOSED
Landing light – ON
Altimeter – SET

BEFORE LANDING

P1 & P2 seat backs secured and locked
Seat position – SET AND LOCKED
Seat belts – SET / CHECK INERTIA REELS
Mixture – FULL (or as reqd for elevation)
Autopilot – OFF

PATTERN ENTRY

Power – AS REQD FOR 90 KIAS
Flaps – 10° before abeam of numbers

BASE LEG

Power – AS REQD FOR 80 KIAS
Flaps – 20°

FINAL – GUMP

Gas – Fuel selector on BOTH
Undercarriage – Feet off brakes
Mixture – FULL (or as reqd for elevation)
Propeller – Slowly advance to FULL RPM
Flaps – FULL DOWN (or as reqd)
Power – AS REQD FOR 70 KIAS

Slowly reduce power during flare – **DO NOT** cut power before flaring, the 182 lands a bit differently than 172.

For more detailed information regarding landing practices, please refer to the POH.

AFTER LANDING

Flaps – UP
Cowl flaps – OPEN
Mixture – LEAN AS REQD FOR ELEV
Landing and strobe lights – OFF

SHUT DOWN

Allow engine to cool for at least 5 minutes
Avionics power – OFF
All non-essential elec. equipment – OFF
Lights (except beacon) – OFF
Throttle – Idle
Mixture – ICO (ensure prop stops)
Ignition – OFF, REMOVE KEY
Master switch – OFF
Parking brake – OFF WHEN CHOCKED

SECURING AIRCRAFT IN HANGAR

Gust lock installed AT ALL TIMES
Fuel as required – minimum 20 gal. per side
Complete aircraft log book with:

- Start & stop tach times, total hours
- Fuel on board, Oil level
- Any notes

Clean all leading edge surfaces with water and paper towel, please ensure that all bugs and debris are removed.

Clean windscreen with plastic cleaner and Micro fiber cloth – **DO NOT USE PAPER TOWEL ON PLASTIC WINDOWS !!**

EMERGENCY AIRSPEED INFO

Engine failure after T/O, flaps ↑ 75 KIAS
Engine failure after T/O, flaps ↓ 70 KIAS

Maneuvering speed:

- 3100 pounds 110 KIAS
- 2600 pounds 101 KIAS
- 2100 pounds 91 KIAS

Maximum glide speed:

- 3100 pounds 76 KIAS
- 2600 pounds 75 KIAS
- 2100 pounds 63 KIAS

Precautionary landing with power 70 KIAS

Landing without power:

- Flaps up 75 KIAS
- Flaps down 70 KIAS