

You're virtually there.

COCKPIT GUIDE & FLYING NOTES





This Cessna 140 Cockpit and Flying guide has been produced to make getting acquainted with your new Cessna, both simpler and more fun. To this end, this is not an "official" pilot's manual and should not be considered such

The Cessna 140 is a very simple little aeroplane with few if any vices and is flying in its purer, more basic form. So don't go expecting sophisticated systems, the very latest avionics* or any computerised gizmos - as a 140 owner, you have no need of such things.

We won't be teaching you how to fly, that is not the purpose of this guide.
We are going to assume that you have a good working knowlege of flight simulators and flying in them.

All the controls on the 140 are easy to use and laid out in a sensible orderly fashion, reminiscent of the motor-cars of the 1940s. On that note, we hope that you will agree that the instrument panels are very attractive and show a strong "art-deco" heritage in their design. You'll find a variety of upholstery and paint finishes so there is bound to be one to your taste.

The cockpit of a 140 is just a "nice place to be".

Well, let's dive in and see what we have in our shiny new aeroplane.

*OK we lied. For those who can't live without a fully functional G1000-equipped lounge, we have included an entirely optiona G1000 suite which you can access with the flick of a switch.



1. Magnetos 2. Turn/Slip Indicator 3. Airspeed Indicator 4. Gyro Compass 5. Climb/Fall Indicator (VSI) 6. Altimeter 7. Baro Knob 8. Tachometer 9. Stall Indicator light (INOP)10. Ammeter 11. Clock 12. Oil Temperature 13. Oil Pressure 14. Yoke Hiders 15. Checklists 16. Secure Aircraft Toggle 17. Engine Primer 18. Mixture control 19. Cabin Heater 20. Carburettor Heater 21. Parking Brake 22. Cabin Heater (2) 23. Engine Starter 24. Electrical (From left- Master Battery - Avionics Master - Strobe Light - Navigation Lights - Landing Lights- Rotating Beacon Light

25. Comms Radio Receiver 26. Throttle 27. Elevator Trim Wheel 28. Fuel Tank Selector 29. Flaps lever

What's so nice about the C140's panel is that everything is laid out in a sensible, orderly fashion with everything immediately to hand. It doesn't take long to familiarise yourself with the controls and instruments.

The panel is divided into four main sections. The flying instruments are grouped in the main panel arcing right across the cockpit. Immediately below in a sub panel are the "systems" gauges for engine and electrics and a handy clock. Below this again, the major operating controls are grouped together in a neat centre panel.

A "piano keyboard" of electrical switches is mounted below with a big central throttle control dominating the area

Below all of this are the circuit breaker/fuses and a small jack panel for microphones and accessories.

Flanking the centre panel are two quarter panels. The other has a printed checklist.

In the bottom left corner of this panel is a cream knob. Pull this to toggle on the tiedowns and chocks.



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The Basic Radio Set.

In the standard cockpit, a period communications radio is mounted directly in front of the pilot. You can use this unit to tune into communications (COM1) frequencies used by ATC.

Operation is very simple. Left knob tunes the standby frequency (right tumbler set) Middle knob is INOP and the Right knob switches between the standby frequency and active frequency (Left tumbler set)

Of course, all radio operation is covered by the Garmin suite so this old-school unit disappears when you select the Garmin (Avionics Switch).





The Garmin 1000 option.

Click on the Avionics Switch

(Piano Key at 24) and you toggle on the Garmin Suite.Doing this places a Pilot's MFD and Co-Pilot's PFD on the quarter panels and alongside the MFD, an Audio Panel. Now you have a full Garmin 1000 operating in the cockpit, together with a fully functional digital Autopilot





ALWAYS REMEMBER TO



REMEMBER TO PRIME
THE ENGIINE WHEN COLD.
HOVER OVER THE PRIMER KNOB AND USE THE
MOUSEWHEEL (BACK) TO
UNLOCK THE PRIMER. THEN
CLICK THE KNOB TO OPERATE. 4 -5 STROKES SHOULD
BE AMPLE. REMEMBER
TO RE-LOCK THE PRIMER
WHEN FINISHED.



Setting up for flight.

downs which are toggled on and off using the knob (16). This will also remove the pilot and passenger/co-pilot.

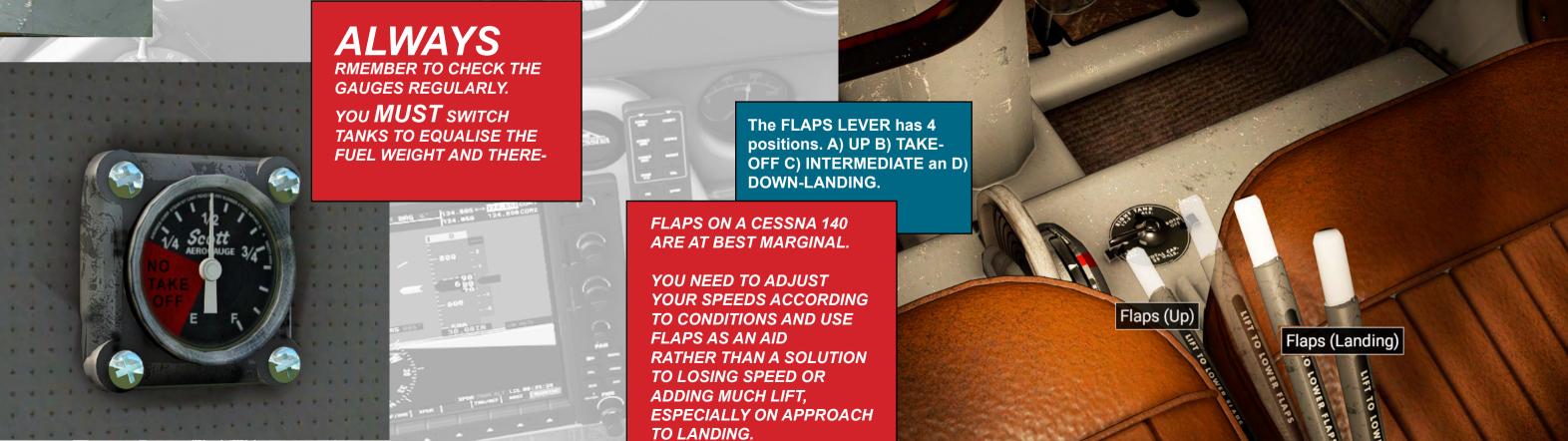
two click-spots. One either side. Use the left one to move the lever left and the right one to go right.

There are two fuel gauges - one for the left wing tank and one for the right. They are located in the wingroot of each wing , next to your head.

The dials have a red segment which indicates low contents. ON NO ACCOUNT attempt to take off with the needles inside these red areas. Always check that you have sufficient fuel before making a flight. The Cessna 140 is very economical on fuel but will eventually run out of the stuff.

On the floor, immediately in front of the seats there is a fuel tank selector. It operates with LEFT and RIGHT CLICK to select either or both tanks.

There is an elevator trim tab which is controlled by a large rubber rimmed wheel. The amount of up or downward trim is indicated by a white pointer. Red markings on the side of the trim unit indicate the recommended position for trim for takeoff. Set it up so that the pointer is within the red range. The Cessna 140 likes to be a tad nose down for takeoff.



ELEVATOR TRIM

LICK AND HOLD

(GRAB) TO MOVE FORWARD AND BACK **FUEL SELECTO**

CLICK THIS SIDE

TO MOVE LEFT

CLICK THIS SIDE TO

The FUEL SELECTOR has











CESSNA 140 CHECK

BEFORE STARTING ENGINE

Parkbrake -- ON Autopilet -- OFF Avionics Master Switch -- OFF Fuel Selector -- LEFT or RIGHT

ENGINE START

Throttle -- OPEN 1/2 INCH Mixture -- RICH Propeller Area -- CLEAR Ignition Master Switch -- ON Magnetes -- BOTH Starter -- PULL OIL Pressure -- CHECK

Beacon & Nav. Lights -- ON Avionics Master Switch -- ON Flaps -- RETRACT

BEFORE TAKEOFF

Parking Brake -- ON Flight Controls -- FREE ACORRECT Flight Instruments -- CHECK & SET Fuel Selector LEFT or RIGHT (FULLEST) Eleventor Trim SET for takeoff

Magnetes - - CHEck Engine Instruments & Ammeter -- CHECK Threitle RPM -- 1020 or less
Radios and Avionics -- SET
Autopitot -- OFF
Wing FLaps -- SET Takeoff (10 degrees)

TAKEOFF

Wing Flaps -- 10 degrees Threttle -- FULL OPEN Mixture -- RICH Climb Speed -- 80-85 MPH

Power -- 2108 - 2408 RPM Elevator Trim -- ADJUST Mixture -- above 5,000 ft., LEAN GRADUA

Fuel Selector -- L Landing Airspeed -- 50 -Wing Flaps 0 - 18 degr

SECURING AIRPLANE

Landing Roll -- I Braking -- Mil

Parking Brake--SET Avionics Master Switch -- OFF Mixture -- IDLE CUT-OFF (PUSH IN) Magnetes -- OFF Master Ignition Switch -- OFF Fuel Selector -- BOTH OFF

Time to go flying!.

Either bring up the kneeboard checklist or use the "CHECKLIST" camera view.

We recommend starting from a "colddark" state, that is all switches off, controls zeroed and security chocks etc in place.

The kneeboard checklist is interactive so you can tick off the boxes as you go through the lists.

Never forget to switch on the master ignition switch which is above the magnetos. The magnetos switch operates using RIGHT CLICK to go from OFF to BOTH and LEFT CLICK to go back again.

Priming the engine when cold is important for trouble free starting.

Working your way through the checklist will soon have your Cessn140 purring along at idle. It is important to remember that the Cessna140 has a carburettor which if left to its own devices at idle will eventually ice up and the engine will falter. Use of the carburettor heat control (20) will ensure a happy idle. Close it in flight.

Flying the 140 is easy. She's no racehorse but can get along quickly enough with careful engine management.

We very much hope that you will find your Cessna140 an enjoyable, fun and rewarding experience.

Thanks for taking the time to read this and best wishes from all of us at Aeroplane

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