



MORE PEOPLE BUY AND
FLY CESSNA AIRPLANES
THAN ANY OTHER MAKE

1969

WORLD'S LARGEST PRO-
DUCER OF GENERAL
AVIATION AIRCRAFT
SINCE 1956

MODEL
150

OWNER'S
MANUAL

PERFORMANCE - SPECIFICATIONS

Model 150 *		STANDARD AND TRAINER	COMMUTER
GROSS WEIGHT	1600 lbs		1600 lbs
SPEED:			
Top Speed at Sea Level	122 mph		122 mph
Cruise, 75% Power at 7000 ft	117 mph		117 mph
RANGE:			
Cruise, 75% Power at 7000 ft	475 mi		475 mi
22.5 Gallons, No Reserve	4.1 hrs		4.1 hrs
	117 mph		117 mph
Cruise, 75% Power at 7000 ft	725 mi		725 mi
Long Range Version, 35.0 Gallons	6.2 hrs		6.2 hrs
	117 mph		117 mph
Optimum Range at 10,000 ft	565 mi		565 mi
22.5 Gallons, No Reserve	6.1 hrs		6.1 hrs
	93 mph		93 mph
Optimum Range at 10,000 ft	880 mi		880 mi
Long Range Version, 35.0 Gallons	9.4 hrs		9.4 hrs
	93 mph		93 mph
RATE OF CLIMB AT SEA LEVEL	670 fpm		670 fpm
SERVICE CEILING	12,650 ft		12,650 ft
TAKE-OFF:			
Ground Run	735 ft		735 ft
Total Distance Over 50-Ft Obstacle.	1385 ft		1385 ft
LANDING:			
Landing Roll	445 ft		445 ft
Total Distance Over 50-Ft Obstacle.	1075 ft		1075 ft
EMPTY WEIGHT: (Approximate)	Standard	Trainer	
With Standard Fuel Tanks	975 lbs	1005 lbs	1060 lbs
With Long Range Fuel Tanks	980 lbs	1010 lbs	1065 lbs
BAGGAGE	120 lbs		120 lbs
WING LOADING: Pounds/Sq Foot	10.2		10.2
POWER LOADING: Pounds/HP	16.0		16.0
FUEL CAPACITY:			
Total (Standard Tanks)	26 gal.		26 gal.
Total (Long Range Tanks)	38 gal.		38 gal.
OIL CAPACITY: (Total).	6 qts		6 qts
PROPELLER: Fixed Pitch (Diameter)	69 inches		69 inches
ENGINE: Continental Engine.	O-200-A		O-200-A
100 rated HP at 2750 RPM			

* This manual covers operation of the Model 150 which is certificated as Model 150J under FAA Type Certificate No. 3A19. The manual also covers operation of the Model F150 which is certificated as Model F150J under French Type Certificate No. 38/3 and FAA Type Certificate No. A13EU. The Model F150, manufactured by Reims Aviation S.A., Reims (Marne), France, is identical to the 150 except that it is powered by an O-200-A engine manufactured under license by Rolls Royce, Crewe, England. All 150 information in this manual pertains to the F150 as well.

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Cessna Aircraft Company
Wichita, Kansas USA

Section II

DESCRIPTION AND OPERATING DETAILS

The following paragraphs describe the systems and equipment whose function and operation is not obvious when sitting in the airplane. This section also covers in somewhat greater detail some of the items listed in Check List form in Section I that require further explanation.

FUEL SYSTEM.

Fuel is supplied to the engine from two tanks, one in each wing. From these tanks, fuel flows by gravity through a fuel shutoff valve and fuel strainer to the carburetor.

Refer to figure 2-2 for fuel quantity data. For fuel system service information, refer to Lubrication and Servicing Procedures in Section IV.

FUEL STRAINER DRAIN KNOB.

Refer to fuel strainer servicing procedure, Section IV.

FUEL QUANTITY DATA (U.S. GALLONS)

TANKS	USABLE FUEL ALL FLIGHT CONDITIONS	UNUSABLE FUEL	TOTAL FUEL VOLUME
TWO, STANDARD WING (13 GAL. EACH)	22.5	3.5	26.0
TWO, LONG RANGE WING (19 GAL. EACH)	35.0	3.0	38.0

Figure 2-2.

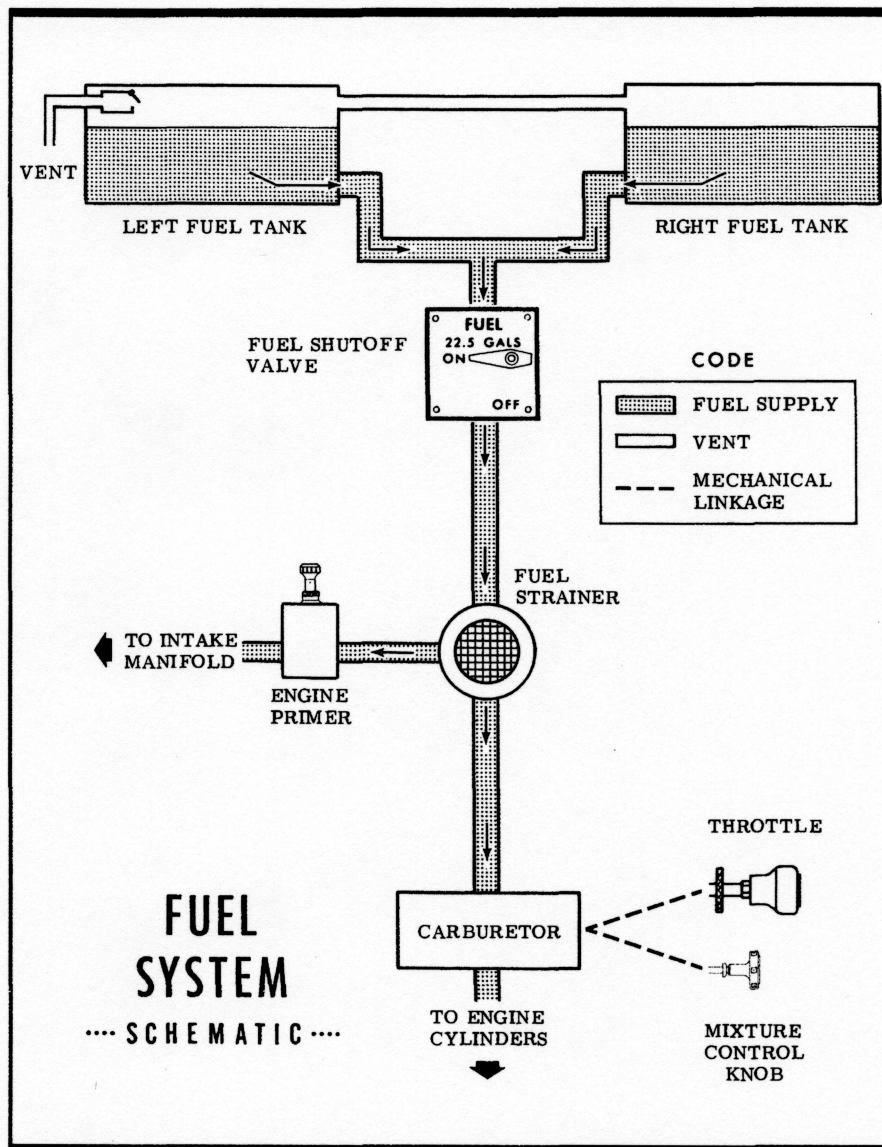


Figure 2-3.

CRUISE PERFORMANCE ——— **WITH LEAN MIXTURE**

ALTITUDE	RPM	%BHP	TAS MPH	GAL/HR.	END. HOURS		RANGE, MILES	
					STANDARD	LONG RANGE	STANDARD	LONG RANGE
					22.5 GAL.	35 GAL.	22.5 GAL.	35 GAL.
2500	2750	92	121	7.0	3.2	5.0	390	605
	2700	87	119	6.6	3.4	5.3	410	635
	2600	77	114	5.8	3.9	6.1	445	690
	2500	68	108	5.1	4.4	6.9	475	740
	2400	60	103	4.6	4.9	7.7	505	790
	2300	53	96	4.1	5.5	8.6	535	830
	2200	46	89	3.6	6.2	9.7	550	860
	2100	40	79	3.2	7.0	10.9	555	865
5000	2750	85	121	6.4	3.5	5.5	425	660
	2700	80	118	6.0	3.8	5.8	445	690
	2600	71	113	5.3	4.2	6.6	475	740
	2500	63	107	4.8	4.7	7.4	505	790
	2400	56	101	4.3	5.3	8.2	530	830
	2300	49	93	3.8	5.9	9.2	550	860
	2200	43	84	3.4	6.6	10.3	560	870
	2100	37	71	3.0	7.5	11.7	540	835
7500	2700	74	117	5.5	4.1	6.3	480	745
	2600	66	111	4.9	4.6	7.1	505	790
	2500	58	105	4.4	5.1	7.9	535	830
	2400	52	98	4.0	5.7	8.8	555	860
	2300	45	89	3.6	6.3	9.8	560	875
	2200	40	77	3.2	7.1	11.1	550	850
10,000	2700	68	116	5.1	4.4	6.8	510	790
	2600	61	109	4.6	4.9	7.6	535	830
	2500	54	102	4.1	5.4	8.5	555	865
	2400	48	93	3.7	6.1	9.4	565	880
	2300	42	82	3.3	6.8	10.6	555	860
12,500	2650	60	110	4.5	5.0	7.8	550	855
	2600	56	106	4.3	5.3	8.2	555	865
	2500	50	97	3.9	5.8	9.1	565	880
	2400	44	86	3.5	6.5	10.1	560	870

NOTES: 1. Maximum cruise is normally limited to 75% power.
2. In the above calculations of endurance in hours and range in miles, no allowances were made for take-off or reserve.

Figure 5-4.