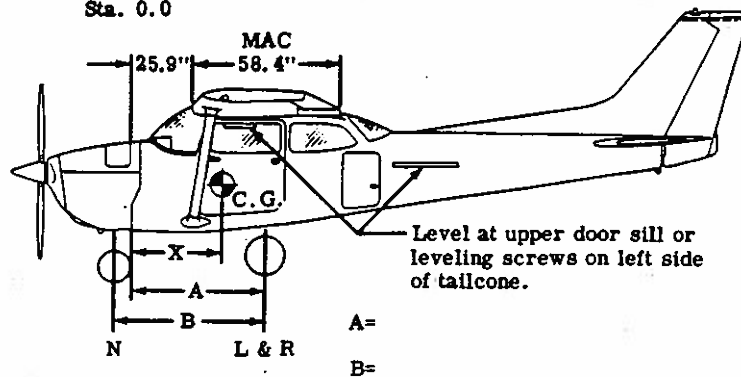


Weighing Procedure

MODEL 172L

1972

Datum (Firewall, front face, lower portion)
Sta. 0.0



Scale Position	Scale Reading	Tare	Symbol	Net Weight
Left Wheel			L	
Right Wheel			R	
Nose Wheel			N	
Aircraft Empty Weight (As Weighed)			W	

$$X = \text{ARM} = (A) - \frac{(N) \times (B)}{W} ; X = (\quad) - \frac{(\quad) \times (\quad)}{(\quad)} = (\quad) \text{ IN.}$$

1. Preparation:

- Inflate tires to recommended operating pressures.
- Remove all wing tank drain plugs to remove all fuel.
- Remove oil sump drain plug to drain all oil.
- Move all sliding seats to the most forward position. All seat backs should be in the most nearly vertical position.
- Put flaps in the fully retracted position.
- Place all control surfaces in neutral position.

2. Leveling:

- Place scales under each wheel (500# nose, 1000# each main, minimum capacity for scales).
- Deflate nose tire to center bubble on level (See Diagram).

3. Weighing:

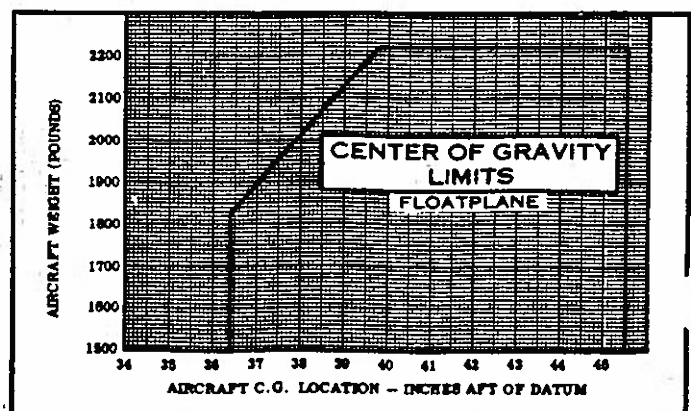
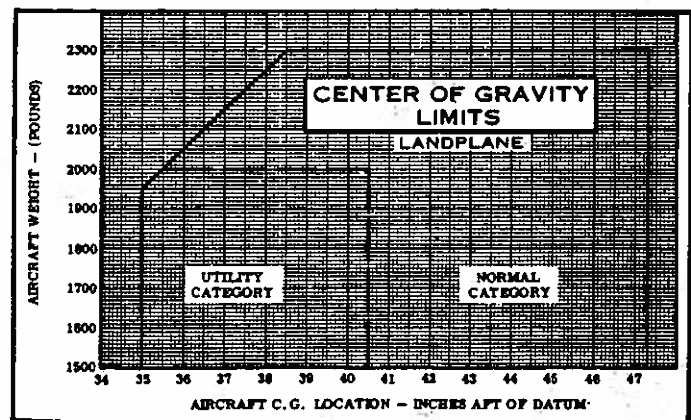
- With the airplane level and brakes released, record the weight shown on each scale. Deduct the tare, if any, from each reading.

4. Measuring:

- Obtain measurement "A" by measuring horizontally (along the airplane center line) from a line stretched between the main wheel centers to a plumb bob dropped from the firewall.
- Obtain measurement "B" by measuring horizontally and parallel to the airplane center line, from center of nose-wheel axle, left side, to a plumb bob dropped from the line between the main wheel centers. Repeat on right side and average the measurements.

5. Completing the Form:

- Using weights from (3) and measurements from (4) the airplane weight and C.G. can be determined.
- Obtain licensed empty weight by adding weight and moment of unusable fuel to airplane empty weight and moment. There are 4 gallons of unusable fuel (Weight = 24 Lbs, Moment = 1104 Lb. In.) in airplane with either the 42 gallon or 52 gallon capacity wing located fuel systems.



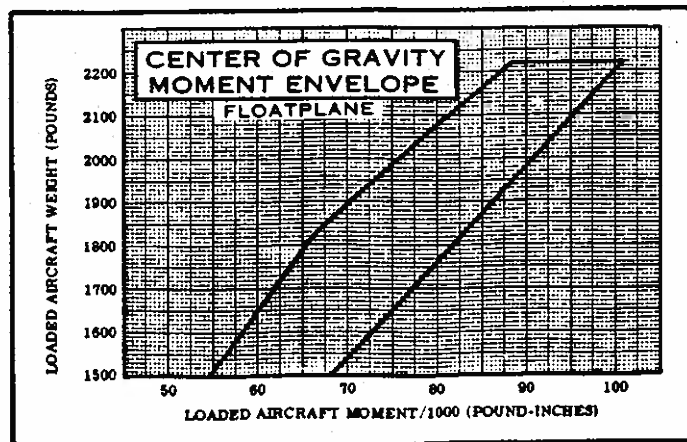
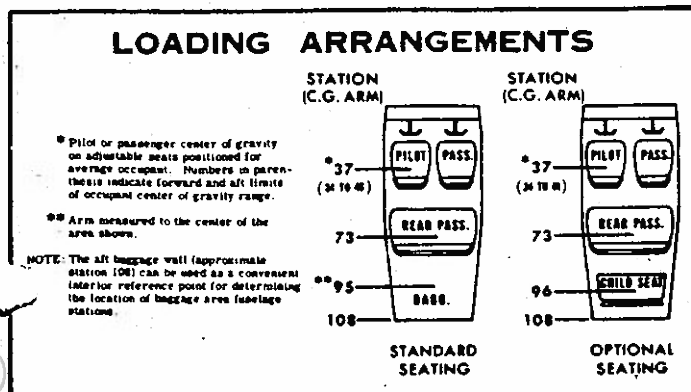
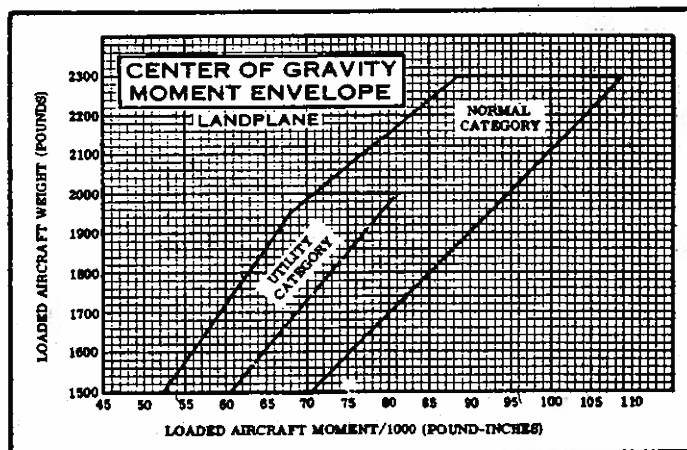
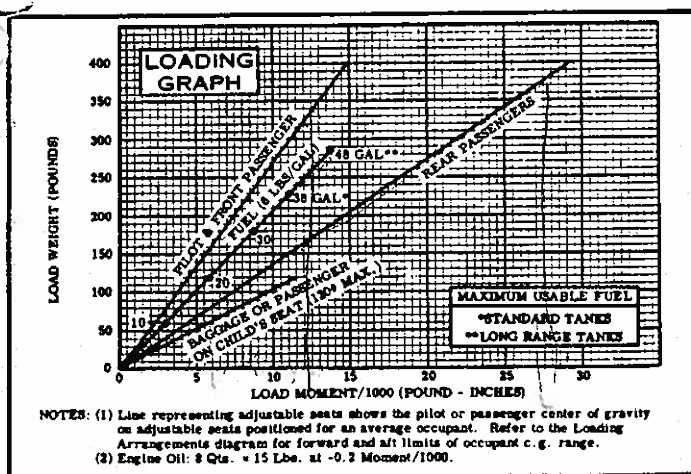
Loading and Center of Gravity Charts

IT IS THE RESPONSIBILITY OF THE PILOT AND AIRCRAFT OWNER TO INSURE THAT THE AIRCRAFT IS LOADED PROPERLY.

When computing aircraft loading requirements, refer to the Weight and Balance Data sheet in the aircraft file for the licensed empty weight, arm and moment of the aircraft as delivered from the factory. (If alterations have been made to the aircraft, refer to form FAA 337 for the latest empty weight, arm and moment.) The aircraft weight and balance may then be determined using the Loading Graph and Center of Gravity Moment Envelope as indicated in the Sample Loading Problems below.

SAMPLE LOADING PROBLEM (NORMAL CATEGORY)	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Sample Airplane) . . .	1364	51.7		
2. Oil (8 qts. - Full oil may be assumed for all flights)	15	-0.2	15	-0.2
3. Fuel (Standard - 36 Gal at 6" Gal)	228	10.9		
Fuel (Long Range - 48 Gal at 6" Gal)				
4. Pilot and Front Passenger (Station 34 to 46) . . .	340	12.6		
5. Rear Passengers	340	24.8		
6. Baggage (or Passenger on Child's Seat) (Station 62 to 108)	13	1.2		
7. TOTAL WEIGHT AND MOMENT	2300	101.0		
8. Locate this point (2300 at 101.0) on the Normal Category center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.				

SAMPLE LOADING PROBLEM (UTILITY CATEGORY)	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Sample Airplane) . . .	1364	51.7		
2. Oil (8 qts. - Full oil may be assumed for all flights)	15	-0.2	15	-0.2
3. Fuel (Standard - 36 Gal at 6" Gal)	228	10.9		
Fuel (Long Range - 48 Gal at 6" Gal)				
4. Pilot and Front Passenger (Station 34 to 46) . . .	340	12.6		
5. TOTAL WEIGHT AND MOMENT	1947	75.0		
6. Locate this point (1947 at 75.0) on the Utility Category center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.				



Cessna.

CESSNA AIRCRAFT CO

EQUIPMENT LIST MODEL 172L (1972)

WICHITA, KANSAS

NOTES

1. Suffix letter to item numbers:
 - R = Required items of equipment for FAA certification
 - S = standard equipment items
 - O = optional equipment items replacing required or standard items
 - A = optional equipment items which are in addition to required or standard items
 2. Refer to the sheet titled "Weight & Balance Data and Installed Equipment Data" for a listing of equipment installed on your aircraft at the factory.
 3. Unless otherwise indicated, true values (not net change values) for weight and arm are shown. Positive arms are distances aft of datum; negative arms are distances forward of datum (see weight and balance data sheet for datum location).
 4. A separate FAA approval must be obtained if the following items are not installed per applicable Cessna drawings or accessory kit instructions.
- * Complete assembly installations are indicated by asterisks after the item weight and arm. Some major components of the assembly are listed on the lines immediately following. The summation of these major components does not necessarily equal the complete assembly installation.

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
001-R	Engine, Lycoming O-320-E2D (includes all electric starter and vacuum pad)	0550319	266.0	-20.0
002-R	Propeller Assy. (Fixed Pitch-Landplane)	C161001-0305	38.8*	-38.3*
	Propeller (McCauley)	1C160/CTM7553	30.5	-39.1
	3.5 Inch Prop Spacer Adapter (McCauley)	B3898C	6.2	-35.4
002-O	Propeller Assy. (Fixed Pitch-Floatplane)	C161001-0304	39.8*	-38.4*
	Propeller (McCauley)	1A175/ATM8042	31.5	-39.1
	3.5 Inch Prop Spacer Adapter (McCauley)	B3898C	6.2	-35.4
003-R	Spinner Installation, Propeller	0550320	2.0*	-41.4*
	Spinner Dome	0550236-8	1.2	-43.1
	Fwd Spinner Bulkhead	0550321-4	0.3	-40.8
	Aft Spinner Bulkhead	0550321-1	0.4	-37.3
004-R	Alternator 14 Volt, 60 Amp	C611501-0102	10.8	-29.0
005-R	Alternator Attach Brackets		2.0	-29.0
006-R	Regulator, 14 Volt, 60 Amp Alternator	C611001-0101	1.0	3.0
007-R	Battery, 12 Volt, 25 Amp Hour	0511319	23.0	0.0
008-R	Filter, Carburetor Air	C294510-0301	0.5	-26.0
009-R	Heating System, Cabin & Carburetor Air (includes exhaust system)	1754001	17.5	-21.0
010-R	Oil Cooler Installation	0550319	2.5*	- 2.5*
	Oil Cooler (Harrison) or	8526250	2.1	- 2.5
	(Stewart-Warner)	8406E	2.1	- 2.5

APPROVED

Cessna Aircraft Co. Commercial Div.
Relocation Option Manufacturer, CE-1

ISSUED: 27 July 1971

REVISED:

APPROVED:

D. Wells Executive Engineer
Date 7-27-71

SHT 1 OF 9

Cessna.

EQUIPMENT LIST (CONT'D)

CESSNA AIRCRAFT CO

MODEL 172L (1972)

WICHITA, KANSAS

ITEM NO ▶	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
020-R	Wheel, Brake & Tire Assy, 6.00 x 6 Main(2)	1241156-40	34.7*	57.8*
	Wheel Assy, Cleveland 40-113 (each)	C163001-0104	6.2	58.2
	Brake Assy, Cleveland 30-75A (left)	C163030-0111	1.9	54.5
	Brake Assy (right)	C163030-0112	1.9	54.5
	Tire, 4-Ply Blackwall (each)	C262003-0101	5.5	58.2
	Tube (each)	C262023-0102	1.8	58.2
021-R	Wheel & Tire Assy, 5.00 x 5 Nose	1241156-2	8.0*	- 6.8*
	Wheel Assy, Cleveland 40-77 (each)	1241156-12		- 6.8
	Tire, 4-Ply Blackwall (each)	C262003-0102	4.0	- 6.8
	Tube (each)	C262023-0101	1.2	- 6.8
021-0	Wheel & Tire Assy, 6.00 x 6 H.D. Nose	1241156-107	12.0*	- 6.8*
	Wheel Assy, Cleveland 40-76A (each)	1241156-11		- 6.8
	Tire, 4-Ply Blackwall (each)	C262003-0101	5.5	- 6.8
	Tube (each)	C262023-0102	1.8	- 6.8
022-0	Whitewall Tires (Replaces Blackwall Tires of items 020-R and 021-R (Net Weight Change)	0501005	0.0*	- *
	Main Tire, 4,Ply Whitewall (each)	C262001-0101	5.5	58.2
	Nose Tire, 4-Ply Whitewall (each)	C262001-0102	4.0	- 6.8
030-R	Altimeter	C661012-0101	0.7	15.0
030-0	Altimeter (Sensitive)	C661071-0101	1.0	14.0
030-0-1	Altimeter (Sensitive) Feet & Millibars	C661071-0102	1.0	14.0
031-R	Ammeter	S-1320-3	0.5	16.0
032-R	Compass, Magnetic	C660501-0101	0.5	26.0
033-R	Indicator, Airspeed	C661060-0103	0.5	16.0
033-0	Indicator, True Airspeed	0513236	1.0	16.0
034-R	Indicator, Audible Pneumatic Stall Warning	0523112	0.5	28.5
035-R	Instrument Cluster, Engine	C669504-0103	0.5	16.5
036-R	Instrument Cluster, Engine	C669505-0101	0.5	16.5
037-R	Tachometer Installation, Engine	0513080	1.0*	12.1*
	Recording Tach Indicator (SW 551-RB)	C668020-0102	0.7	16.0
	Tach Flexible Shaft (ASES 1605-31)	S-1605-6	0.3	3.0
050-R	Seat, Adjustable Fore & Aft Pilot	0514075	12.6	44.0
050-0	Seat, Vertically Adjusting Pilot	0514077	21.0	41.5
051-S	Seat, Adjustable Fore & Aft Co-Pilot	0514075	12.6	44.0
051-0	Seat, Vertically Adjusting Co-Pilot	0514077	21.0	41.5
052-S	Seat, Rear (One Piece Back Cushion)	0514081	22.0	79.5
052-0	Seat, Rear (Two Piece Back Cushion)	0514082	22.0	79.5
053-R	Belt Assy, Pilot Lap	S-2070-103	1.0	37.0
054-S	Shoulder Harness Assy, Pilot	S-2070-201	1.0	37.0
055-S	Belt & Shoulder Harness Assy,Co-Pilot Lap	S-2070-3	2.0	37.0
056-S	Belt Assy, Rear Occupant Lap (Set of Two)	S-1746-13	2.0	70.0
056-0	Belt & Shoulder Harness Assy, Rear Occupant Lap (Set of Two)	S-2070-8	3.0	70.0

ISSUED: 27 July 1971

REVISED:

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Cessna.

EQUIPMENT LIST (CONT'D)
MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
060-R	Baggage Net	2015009	0.5	95.0
061-S	Fairing, Main Gear Spring (Set of Two)	0541190	3.0	60.0
062-S	Fairing, Wing Strut (Set of Four)	0522150	0.5	30.0
063-S	Paint, Standard Stripe Exterior (26520 in ²)	0504018	4.0	129.0
063-0	Paint, Overall Exterior	0504018	11.9*	102.4*
	Overall White Base (98694 in ²)		8.2	90.5
	Color Stripe (26520 in ²)		3.7	129.0
064-R	Placard, Operational Limitations, VFR	1205001-73	0.0	-
064-0	Placard, Operational Limitations, IFR (requires gyros & Nav/Com radio)	1205001-74	0.0	-
064-0-1	Placard, Operational Limitations, Float plane (reqd. with float installation)	1205001-34	0.0	-
200-A	Arm Rest & Ash Tray, Rear Seat (Set of 2)	0514079	2.1	72.5
201-A	Clock, Electric	C664508-0101	0.4	16.3
202-A	Cables, Corrosion Resistant Control (net change)	0500036	0.0	-
203-A	Controls Installation, Dual	0513335	4.9*	12.4*
204-A	Corrosion Proofing, Internal	0500036	6.0	77.0
205-A	Detectors, Navigation Light (Set of Two)	1221201-1, -2	0.0	-
206-A	Fairing Installation, Wheel (Set of Three)	0501015-1	17.9*	45.4*
	Nose Wheel Fairing	0543065-1	4.1	-4.9
	Main Wheel Fairing (each)	0541203-1, -2	6.9	60.3
207-A	Filter Installation, Full Flow Eng. Oil	1756004-1	4.5*	-5.0*
	Adapter Assembly (Lycoming)	755288	0.9	-6.5
	Filter Can Assembly (AC 6436992)	C294505-0101	1.8	-3.3
	Filter Element Kit (AC 6435683)	C294505-0102	0.3	-3.3
208-A	Fire Extinguisher Installation	0501011	2.9*	43.8*
	Fire Extinguisher	C421001-0101	2.6	44.0
	Fire Extinguisher Bracket	C421001-0102	0.3	42.2
220-A	Fuel System, Long Range Wing Tanks (net change)	0520011	7.0	48.0
221-A	Gage, Outside Air Temperature	C668507-0101	0.1	28.6
222-A	Ground Service Plug Receptacle	0513229	2.0	1.5
223-A	Gage, Carburetor Air Temperature	0513339	1.0	14.0
224-A	Gyros, Horizon & Directional	0513407-4	5.8	14.0
225-A	Gyros, Horizon & A.R.C. Directional	0513398-9	6.1	13.8
227-A	Headrest, Front (Set of Two)	0514048	2.0	47.0
228-A	Headrest, Rear (Set of Two)	0514048	2.0	86.0
229-A	Heating System, Pitot (Net Change)	0422355	0.6	24.4

ISSUED: 27 July 1971

REVISED:

SHT 3 OF 9

Cessna.

EQUIPMENT LIST (CONT'D) MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
240-A	Hook, Glider Tow (Installed) (Stowed)	0500228	0.5	229.0
241-A	Indicator, Rate of Climb	C661080-0101	1.0	14.9
242-A	Indicator, Turn Coordinator	C661003-0504	1.3	15.8
243-A	Indicator, Turn Coordinator (for use with Item 404-A Wing Leveler)	0500415	2.8	14.5
244-A	Indicator, Turn Coordinator (for use with Item 500-A Nav-O-Matic 300)	0511251	1.9	14.6
245-A	Indicator, Turn and Bank	S-1413N2	2.0	14.5
246-A	Interior Installation, Skyhawk(Net Change) Aft Floorboard Carpet	0514008	0.0	95.0
247-A	Leather Seats (Net Change)	CES-1151	2.0	62.0
248-A	Light Installation, Cowl Landing Lamp, 250 Watt (G.E.)	0501016 4522	1.2* 0.8	-24.8* -29.0
249-A	Light Installation, Omnilflash Beacon Beacon Light on Fin Tip Flasher Power Supply in Vertical Tail	0501010 C621001-0103 C594501-0203	1.2* 0.4 0.5	192.9* 243.0 205.0
260-A	Light, Map (Control Wheel Mounted)	0570087	0.2	21.5
261-A	Light, Map and Instrument Panel (Doorpost Mounted)	0700149	0.3	32.0
262-A	Lights, Courtesy (Set of Two)	0521101	0.5	61.0
263-A	Light Assy, Wing Tip Strobe Flasher Power Supply Strobe Light, Wing Tip (Set of Two)	0501006 C622003-0101 C622003-0104	5.3* 3.1 0.2	82.7* 113.0 40.8
264-A	Mirror, Rear View	0500312	0.5	15.5
265-A	Nose Wheel Fork & Barrel, Heavy Duty (Required with Item 021-0)(Net Change)	0543062	2.5	- 5.0
266-A	Oil Quick Drain Valve (Net Change)	1701015	0.0	-
267-A	Primer System, Engine Three Cylinder	1756003	0.5	-12.0
268-A	Recorder Installation, Flight Hour	0501013	0.8	5.9
269-A	Rings, Cargo Tie-Down	0500042	1.0	80.0
280-A	Rings, Airplane Hoisting	0541115	1.1	49.1
281-A	Seat Installation, Child's Fold-Away Lap Belt Assy. Seat Assy.	0501009 S-1746-5 0515002	8.4* 0.8 6.7	101.1* 100.8 100.8
282-A	Shelf, Utility	0500230	1.0	103.0
283-A	Stabilizer Abrasion Boots	0500041	1.5	206.0
284-A	Static Source, Alternate	0501017	0.2	15.5
285-A	Steps & Handle, Refueling	0513415	1.4	19.3
286-A	Stretcher Installation (Boxed)	0700164-4	Use Actual Arm & Weight Change	
287-A	Sun Visors (Set of Two)	0500040	0.9	32.8
288-A	Tow Bar (Stowed)	0501019	1.6	95.0
289-A	Vacuum System Installation Dry Vacuum Pump Filter Gauge Relief Valve	0513407 C431003-0101 C294501- C668509-0101 C482001-0401	5.4* 3.6 0.5 0.1 0.5	- 0.4* - 2.3 4.7 16.2 4.5

ISSUED: 27 July 1971

REVISED:

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Cessna.

EQUIPMENT LIST (CONT'D) MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
300-A	Ventilation System, Rear Seat	0700322	1.7	50.9
301-A	Winterization Kit Installation, Engine	0501008-1	0.8*	-22.7*
	Breather Tube Insulation	0552011	0.4	-13.8
	Two Cowl Inlet Air Covers (Installed)	0552132-1,-2	0.3	-32.0
	(Stowed)	0552132-1,-2	0.3	95.0
302-A	Window, Right Door Hinged (Net Change)	0511460	0.0	-
303-A	Windows, Overhead Cabin Top (Net Increase)	0511800	0.9	47.9
304-A	Windows, Tinted Front, Rear & Side (Net Change)	0500267	0.0	-
305-A	Wing Leveler Provisions (for complete installation, see Item 404 Group)	0500415	4.6*	38.0*
	Actuator Bellows (Set of Two) Brittain	1005-1-0	1.3	51.8
320-A	Floatplane Fuselage Structural Modifications & Fittings (Option "C")	0500083	7.6	61.6
321-A	Floatplane Cowl Deck V-Brace (Installed)	0513003	1.1	26.2
	(Stowed)		1.1	95.0
322-A	Floatplane Flap Limit Switch	0500317	0.1	54.0
NOTE:	Items 320-A, 321-A, & 322-A are also approved for landplane operations			
323-A	Floats & Attachments, (Edo Model 89-2000 Floats and Model 502 Attach Gear)	Edo-36335	251.0	41.0
324-A	Float Installation Consists of Items: 323-A and 402-A. Replaces Items: 009-R, 010-R, 071-R, Main Gear Assy, Nose Gear Assy, Brakes and Steering Mechanism. Replaces Items: 021-0, 206-A, 207-A, 265-A, and 288-A if installed.	Edo-36335	Use Actual Installed Weight and Arm Change	
400-A	Primary Group Kit Consists of Items:	0501003	5.4*	10.4*
	030-0 Sensitive Altimeter (Exchange)	C661011-0101	0.2	10.5
	201-A Electric Clock	S-1317N2	0.4	16.3
	221-A Outside Air Temperature Gage	C668507-0101	0.1	28.6
	241-A Rate of Climb Indicator	C661080-0101	1.0	14.9
	242-A Turn Coordinator Indicator	C661003-0504	1.3	15.8
	248-A Landing Light, Cowl Mounted	0501016	1.2	-24.8
	261-A Map Light, Doorpost Mounted	0700149	0.3	32.0
	287-A Sun Visors (Set of Two)	0500040	0.9	32.8
401-A	Skyhawk Equipment Kit Consists of Items:	0500501	38.2	32.8
	200-A Armrests, Rear Seat (Set of Two)	0514079	2.1	72.5
	206-A Wheel Fairings (Set of Three)	0501015	17.9	45.4
	224-A Gyros, Horizon & Directional	0513407	5.8	14.0
	246-A Interior, Skyhawk (Net Change)	0514008	0.0	95.0
	288-A Tow Bar (Stowed)	0501019	1.6	95.0
	289-A Vacuum System	0513407	5.4	- 0.4
	400-A Primary Group Kit	0501003	5.4	10.4
	063-0-1 Paint, Overall Exterior (This item is required by, but not included in, Skyhawk Equipment Kit Weight)			

ISSUED: 27 July 1971 REVISED:

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Cessna.

EQUIPMENT LIST (CONT'D)
MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO ▶	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
402-A	Floatplane Equipment Kit, Cessna Complete (Option "A") Consists of Items: 002-0 Propeller, Floatplane (Exchange) 074-0-1 Placard, Operational Floatplane 202-A Cables, Corrosion Resistant (Exch) 204-A Corrosion Proofing, Internal 280-A Rings, Airplane Hoisting 285-A Steps & Handle, Refueling 320-A Fuselage Modification (Option "C") 321-A Cowl Deck V-Brace (Installed) 322-A Flap Limit Switch	0500083 0550320 1205001-34 0500036 0500036 0541115 0513415 0500083 0513003 0500317	18.3 1.0 0.0 0.0 6.0 1.1 1.4 7.6 1.1 0.1	54.8 -42.3 - - 77.0 49.1 19.3 61.6 26.2 54.0
403-A	Floatplane Equipment Kit, Cessna Partial (Option "B") Consists of Items: 074-0-1 Placard, Operational Floatplane 202-A Cables, Corrosion Resistant (Exch) 204-A Corrosion Proofing, Internal 280-A Rings, Airplane Hoisting 285-A Steps & Handle, Refueling 320-A Fuselage Modification (Option "C") 321-A Cowl Deck V-Brace (Stowed) 322-A Flap Limit Switch	0500083 1205001-34 0500036 0500036 0541115 0513415 0500083 0513003 0500317	17.3* 0.0 0.0 6.0 1.1 1.4 7.6 1.1 0.1	64.8* - - 77.0 49.1 19.3 61.6 95.0 54.0
404-A	Wing Leveler Installation (FK-72-129) Consists of items: 243-A Indicator, Turn Coord (Exchange) 305-A Wing Leveler Provisions	0500415 C661003-0501 0500415	6.1 0.3 4.6	31.9 13.7 38.0
404-A-1	Wing Leveler Installation (FK-72-129-A) Consists of Items: 243-A Indicator, Turn Coord. 305-A Wing Leveler Provisions	0500415 C661003-0501 0500415	7.4* 2.8 4.6	29.1* 14.5 38.0
404-A-2	Wing Leveler Installation (FK-72-129-B) Consists of Items: 243-A Indicator, Turn Coord. 305-A Wing Leveler Provisions 289-A Vacuum System	0500415 C661003-0501 0500415 0513407	12.8 2.8 4.6 5.4	16.7* 14.5 38.0 - 0.4
500-A	Nav-O-Matic 300 (With Item 225-A) Controller Amplifier Gyro Installation (Item 225-A) Omni Coupler Turn Coordinator (Item 244-A) Vacuum System (Item 289-A) Wing Installation Items: Servo Actuator Miscellaneous Parts	0511251	23.2* 1.5 6.1 0.8 1.9 5.4 3.3 3.5	24.1* 15.9 13.8 5.9 14.0 - 0.4 68.9 60.5

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Cessna.

EQUIPMENT LIST (CONT'D) MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
510-A	Electronic Option Nav-Com Provisions	0570400-129	5.1*	75.4*
	520-A Antenna & Cable, Left VHF Com.	0570400-624	0.8	47.5
	521-A Antenna & Cable, VOR Nav	0570400-605	1.5	172.4
	524-A Audio Junction Box	0570400-736	0.4	11.5
	525-A Electric Buss Bar and Relay	0570400-744	0.3	6.4
	526-A Filtered Flap Motor (Net Change)	C301001-0701	0.5	62.5
	527-A Headset Installation	0570400-704	0.2	15.9
	528-A Microphone Inst., Hand Held	0570400-713	0.3	17.2
	532-A Speaker Installation, Cabin	0570400-740	1.1	37.9
	Circuit Breaker, 10 Amp	S-1360-10	0.0	16.5
511-A	Electronic Option Right VHF Antenna Instl.	0570400-128	0.8*	47.5*
	Antenna	C598501-0103	0.4	62.5
512-A	Electronic Option ADF Antenna Provisions	0570400-54	1.9*	15.3*
	300 ADF Loop Antenna Cables	33827	0.5	17.7
	300 ADF Sense Antenna Cable Assy	32802-1014	0.7	15.0
513-A	Electronic Opt. Nav-O-Matic Wing Provisions	1200166-4	1.2	68.0
520-A	Antenna & Cable, Left VHF Communications	0570400-624	0.8*	47.5*
	Antenna	C598501-0103	0.4	62.5
521-A	Antenna & Cable, VOR Navigation	0570400-605	1.5	172.4
522-A	Antenna Coupler & Cables, VOR (S-2086-1)	0570400-621	0.2	5.0
523-A	Audio Isolation Amplifier (KA-25C)	0570400-720	1.5	9.0
524-A	Audio Junction Box With Relay	0570400-736	0.4	11.5
525-A	Electronic Buss Bar and Relay (S-1917-1)	0570400-744	0.3	6.4
526-A	Filtered Flap Motor (Net Change)	C301001-0701	0.5	62.5
527-A	Headset Installation (C596501-0104)	0570400-704	0.2	15.9
528-A	Microphone Installation, Hand-Held	0570400-713	0.3	17.2
529-A	Microphone Instl., Doorpost Mounted Boom	0570400-743	1.0	32.0
530-A	Radio Cooling System (Each Radio)	0570400	0.2	8.0
531-A	Radio Selector Switches	0570400	0.5	16.0
532-A	Speaker Installation, Cabin (C596504-0201)	0570400-740	1.1	37.9
550-A	Cessna 300 ADF (521B or 521B-1)	0570400-115, 116	10.0*	20.0*
	R-521B Receiver or	35700-1000	4.3	13.7
	R-521B-1 Receiver with BFO	39300-1000	4.3	13.7
	M-521B Mounting Box	29277-0000	0.6	13.7
	IN-521B Indicator, Fixed Card	32680-0003	1.1	15.5
	L-521B Antenna, Fixed Loop	32880-0100	1.4	39.3
	Sense Antenna Installation	0570400-608	0.2	130.0
551-A	Cessna 300 ADF (546A or 546E)	0570400	8.9*	20.9*
	R-546A Receiver or	41240-1001	3.8	13.7
	R-546E Receiver with BFO	41240-0101	3.8	13.7
	M-346A Mounting Box	40900-0000	0.5	13.7
	IN-546 Indicator	41250-1001	1.1	15.5
	L-346A Antenna, Fixed Loop	41000-1000	1.4	39.3
	Sense Antenna Installation	0570400-608	0.2	130.0

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EQUIPMENT LIST (CONT'D) MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO ▶	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
552-A	Cessna 300 DME (KN-60B)	0570400-71	9.6*	18.5*
	KN-60B Transceiver 066-1013-20	C582602-0201	6.8	11.3
	Mounting Box		0.6	11.3
	KA-32 Antenna	0570400-622	0.4	86.1
553-A	Cessna 300 Marker Beacon (502B)	0570400-63	3.0*	46.7*
	R-502B Receiver	31240-0014	1.0	11.8
	Antenna, "L" Shaped Rod	0770681-1	0.4	142.5
554-A	Cessna 300 Nav-Com 100 Channel (508A)	0570400-130	9.0*	12.1*
	RT-508A Receiver Transmitter	39360-1014	6.7	10.7
	Mounting Box	40550	0.8	10.7
	IN-514R VOR Indicator	31640-0000	0.7	16.3
555-A	Cessna 300 Nav-Com 360 Ch.(528A & IN-514R)	0570400-386	9.5*	11.3*
	RT-528A Receiver Transmitter	39380-1014	7.3	10.7
	Mounting Box	40550	0.8	10.7
	IN-514R VOR/LOC Indicator	31640-0000	0.7	16.3
556-A	Cessna 300 Nav-Com 360 Ch.(528A & IN-525A)	0570400-388	9.8*	11.4*
	RT-528A Receiver Transmitter	39380-1014	7.3	10.7
	Mounting Box	40550	0.8	10.7
	IN-525A VOR/ILS Indicator	32350-0000	1.0	16.7
557-A	Cessna 300 HF Transceiver (PT-10A)	0570400-106	20.7*	86.0*
	PT-10A Transceiver	C582103-0101	4.2	10.4
	Mounting Box			
	PT-10-PS-14 Remote Power Supply	C582103-0201	8.6	115.8
	DX-10-RL-14 Antenna Load Box	C589502-0101	4.2	111.0
558-A	Cessna 300 VHF Transceiver (524A)	0570400-55	7.8*	10.9*
	RT-524A Transceiver	31390-1114	6.6	10.7
	M-514R Mounting Box	30420-0000	0.7	10.7
559-A	Cessna 300 Transponder (KT-75R)	0570400-112	8.7*	94.8*
	KFS-575 Panel Control 071-1038-00	C589503-0101	0.7	15.0
	KT-75R Remote Receiver 066-1020-00	C589504-0101	5.8	114.4
	KA-28 Antenna 071-1036-00	C589505-0101	0.1	126.0
560-A	Cessna 400 Glideslope (543B)	0570400-114	6.0*	80.3*
	R-543B Receiver	36440-0000	2.7	115.7
	Mounting, Rigid	36450-0000	0.3	115.7
	Antenna	1200098-2	0.2	30.0
580-A	Sunair SSB HF Transceiver (ASB-125)	0570400-125	21.9*	86.3*
	RE-1200 Single Side Band Transceiver	99680	4.5	10.4
	Mounting Box			
	PA-1010A Remote Power Amplifier	99682	8.9	115.8
	CU-110 Antenna Coupler	99816	4.9	110.0
	351 Inch Long Antenna Wire	0570400-616	0.3	151.1

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Cessna.

EQUIPMENT LIST (CONT'D) MODEL 172L (1972)

CESSNA AIRCRAFT CO

WICHITA, KANSAS

ITEM NO ▶	DESCRIPTION	REF DRAWING	WT LBS	ARM INS
<u>INSTRUCTIONS FOR USING RADIO EQUIPMENT LISTINGS:</u>				
Complete radio installations require certain supporting equipment in addition to the individual radio items listed. The following installation examples and notes should be used as a guide in the determination of complete installations.				
1.	First Unit Cessna 300 Nav-Com 360 Channel with VOR/ILS Indicator Complete Installation. Consists of Items:		14.9*	33.5*
556-A	Cessna 300 Nav-Com 360 Ch. (528A & IN-525A)		9.8	11.7
520-A	Antenna & Cable, Left VHF Communications		0.8	47.5
521-A	Antenna & Cable, VOR Navigation		1.5	172.4
524-A	Audio Junction Box With Relay		0.4	11.5
525-A	Electronic Bus Bar and Relay (S-1917-1)		0.3	6.4
526-A	Filtered Flap Motor (Net Change)		0.5	62.5
527-A	Headset Installation		0.2	15.9
528-A	Microphone Installation, Hand-Held		0.3	17.2
531-A	Speaker Installation, Cabin		1.1	37.9
2.	Second Unit Cessna 300 Nav-Com 100 Channel with VOR Indicator Complete Installation. Consists of Items:		11.0*	14.2*
554-A	Cessna 300 Nav-Com 100 Ch. (508A)		9.5	11.5
520-A	Antenna & Cable, Right VHF Communication		0.8	47.5
522-A	Antenna Coupler & Cables, VOR		0.2	5.0
531-A	Radio Selector Switches		0.5	16.0
3.	Second Unit Cessna 300 ADF with BFO Complete Installation Consists of Items:		10.5*	19.8*
550-A	Cessna 300 ADF (521B-1)		10.0	20.0
531-A	Radio Selector Switches		0.5	16.0
4.	Third Unit Cessna 300 Marker Beacon Receiver Complete Installation. Consists of Item 553-A Only.		3.0	46.5
5.	Fourth Unit Cessna 400 Glideslope Receiver Complete Installation. Consists of Item 560-A Only.		6.0	80.5
<u>NOTES:</u>				
1.	Item 523-A (KA-25C Audio Isolation Amplifier) is required for all multiple radio installations not incorporating a "Cessna Crafted" VHF or HF.			
2.	Installations with panel mounted transmitters with vacuum tubes require item 530-A (Radio Cooling System). Example: Item 558-A (Cessna 300 Transceiver, ARC 524A) and Item 552-A (Cessna 300 DME, KN60-B).			
3.	Installations without panel mounted transmitters with vacuum tubes do not require Item 530-A (Radio Cooling System). Example: Item 550-A (Cessna 300 ADF, ARC 521B); Item 551-A (Cessna 300 ADF, ARC 546B or E); Item 554-A (Cessna 300 Nav-Com 100 Channel, ARC 508A); Items 555-A and 556-A (Cessna 300 Nav-Com 360 Channel, ARC 528A).			
ISSUED: 27 July 1971		REVISED:		SHT 9 OF 9



AIRPLANE SUPPLEMENTAL FLIGHT MANUAL

FOR

LANDPLANE OR FLOATPLANE

CESSNA MODELS 172I, 172K, 172L, AND 172M

WITH

LYCOMING O-320-D2J OR O-320-E2D (AS MODIFIED PER STC SE3692SW)

MODEL NUMBER 172L

REGISTRATION NUMBER N19760

SERIAL NUMBER 17260729

This Supplemental Flight Manual is F. A. A. approved material and must be in the airplane for all operations when Lycoming O-320-D2J or O-320-E2D (as modified per STC SE3692SW) engine is installed in accordance with STC SA2375SW. The information contained herein supplements or supersedes the information in the form of placards, markings, and manual material. For limitations, procedures and performance information not contained in this Supplemental Flight Manual consult the basic airplane placards, markings and manual material.

F. A. A. APPROVED: _____

For

Larry Andriesen, Manager
Aircraft Certification Division
Southwest Region
FEDERAL AVIATION ADMINISTRATION
Southwest Region
Fort Worth, Texas 76101

AUG 27 1987

Date: _____

STC No. SA2375SW

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CESSNA 172I, 172K, 172L, AND 172M

SUPPLEMENTAL FLIGHT MANUAL

III. _____ PROCEDURES

No Change

IV. _____ PERFORMANCE

The performance of this airplane equipped with a Lycoming O-320-D2J or O-320-E2D (as modified per STC SE3692SW) engine is equal to or better than the original F. A. A. approved performance

AUG 27 1987

F. A. A. APPROVED: _____

STC No. SA2375SW

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AIRCRAFT CORPORATION
CESSNA 172I, 172K, 172L, AND 172M

SUPPLEMENTAL FLIGHT MANUAL

I.-----GENERAL

- | | |
|------------------------------|--|
| 1. ENGINE | Lycoming O-320-D2J Or Lycoming O-320-E2D
(As Modified Per STC SE3692SW) |
| 2. FUEL | 100/130 Minimum Octane |
| 3. PROPELLER | McCauley 1C160/CTM7557
Or
McCauley 1C160/DTM7557 |
| PROPELLER
(Seaplane Only) | McCauley 1A175/ETM8042
Or
McCauley 1A175/ATM8042 |

II.-----LIMITATIONS

- | | |
|--|--|
| 1. ENGINE LIMITS | Maximum Continuous: 150 HP - 2650 RPM
Take-Off (5 Minutes): 160 HP - 2700 RPM |
| 2. PROPELLER LIMITS | Static RPM at maximum throttle setting:
Not over 2420, not under 2300
Diameter: Maximum 75.0 inches
Minimum 74.0 inches |
| 3. PROPELLER LIMITS
(Seaplane Only) | Static RPM at maximum throttle setting:
Not over 2570, not under 2470
Diameter: Maximum 80.0 inches
Minimum 78.5 inches |
| 4. ENGINE INSTRUMENT
MARKINGS | Tachometer:
Green Arc 2200 - 2650 RPM
Yellow Arc 2650 - 2700 RPM
Redline 2700 RPM

Oil Pressure:
Redline 25 PSI
Green Arc 60-90 PSI
Redline 100 PSI

Cylinder Head Temperature (If Installed):
Green Arc 225 - 425 F.
Redline 500 F. |

AUG 27 1987

F. A. A. APPROVED: _____

STC No. SA2375SW