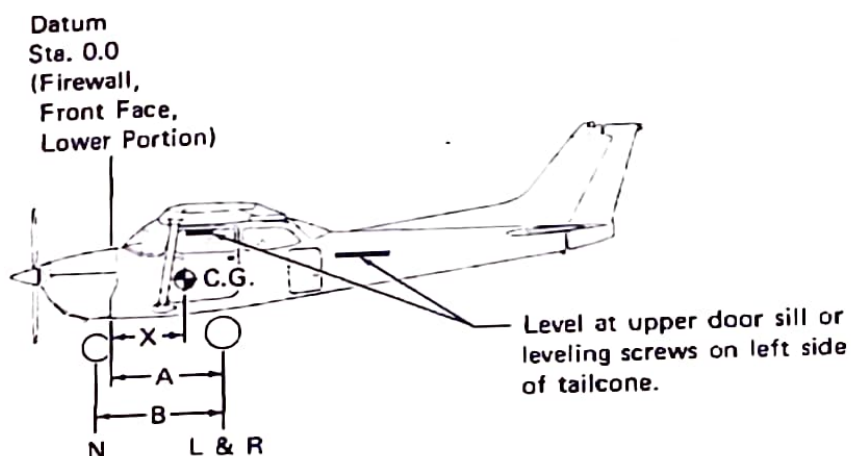


SECTION 6 WEIGHT & BALANCE/ EQUIPMENT LIST

CESSNA
MODEL 172N



Scale Position	Scale Reading	Tare	Symbol	Net Weight
Left Wheel			L	
Right Wheel			R	
Nose Wheel			N	
Sum of Net Weights (As Weighed)			W	

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

Item	Weight (Lbs.)	X C.G. Arm (In.) =	Moment/1000 (Lbs.-In.)
Airplane Weight (From Item 5, page 6-3)			
Add Oil:			
No Oil Filter (6 Qts at 7.5 Lbs/Gal)		-14.0	
With Oil Filter (7 Qts at 7.5 Lbs/Gal)		-14.0	
Add Unusable Fuel:			
Std. Tanks (3 Gal at 6 Lbs/Gal)		46.0	
L.R. Tanks (4 Gal at 6 Lbs/Gal)		46.0	
Equipment Changes			
Airplane Basic Empty Weight			

Figure 6-1. Sample Airplane Weighing

**CESSNA
MODEL 172N**

SECTION 6 WEIGHT & BALANCE/ EQUIPMENT LIST

SAMPLE WEIGHT AND BALANCE RECORD

(Continuous History of Changes in Structure or Equipment Affecting Weight and Balance)

[illegible]

Figure 6-2. Sample Weight and Balance Record

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

WEIGHT AND BALANCE

The following information will enable you to operate your Cessna within the prescribed weight and center of gravity limitations. To figure weight and balance, use the Sample Problem, Loading Graph, and Center of Gravity Moment Envelope as follows:

Take the basic empty weight and moment from appropriate weight and balance records carried in your airplane, and enter them in the column titled YOUR AIRPLANE on the Sample Loading Problem.

NOTE

In addition to the basic empty weight and moment noted on these records, the C.G. arm (fuselage station) is also shown, but need not be used on the Sample Loading Problem. The moment which is shown must be divided by 1000 and this value used as the moment/1000 on the loading problem.

Use the Loading Graph to determine the moment/1000 for each additional item to be carried; then list these on the loading problem.

NOTE

Loading Graph information for the pilot, passengers and baggage is based on seats positioned for average occupants and baggage loaded in the center of the baggage areas as shown on the Loading Arrangements diagram. For loadings which may differ from these, the Sample Loading Problem lists fuselage stations for these items to indicate their forward and aft C.G. range limitations (seat travel and baggage area limitation). Additional moment calculations, based on the actual weight and C.G. arm (fuselage station) of the item being loaded, must be made if the position of the load is different from that shown on the Loading Graph.

Total the weights and moments/1000 and plot these values on the Center of Gravity Moment Envelope to determine whether the point falls within the envelope, and if the loading is acceptable.

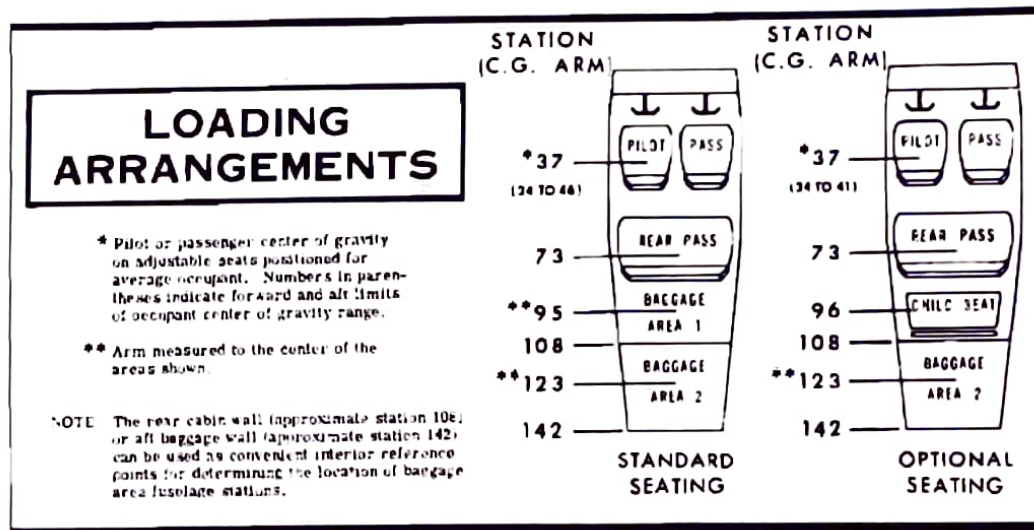
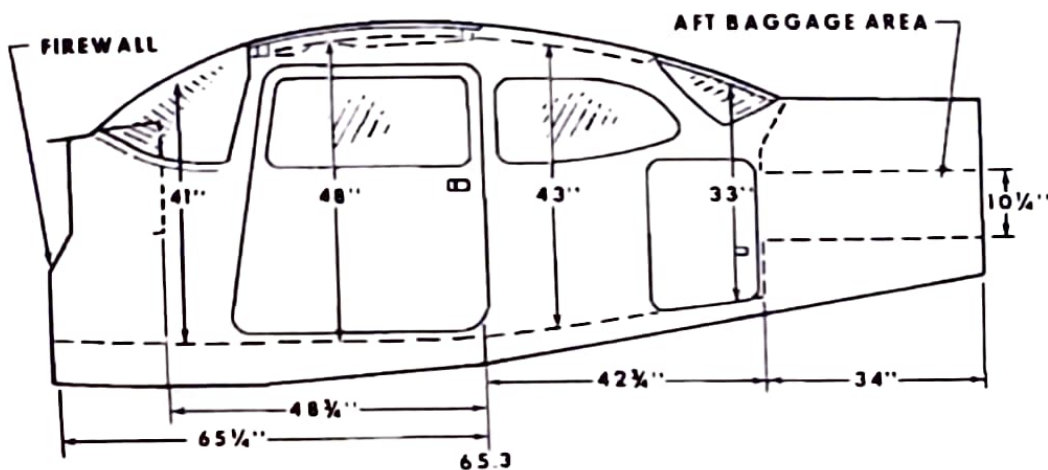


Figure 6-3. Loading Arrangements

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

CABIN HEIGHT MEASUREMENTS



DOOR OPENING DIMENSIONS

	WIDTH (TOP)	WIDTH (BOTTOM)	HEIGHT (FRONT)	HEIGHT (REAR)	WIDTH
CABIN DOOR	32"	37"	40"	41"	• LWR WINDOW LINE
BAGGAGE DOOR	15 1/4"	15 1/4"	22"	21"	* CABIN FLOOR

CABIN WIDTH MEASUREMENTS

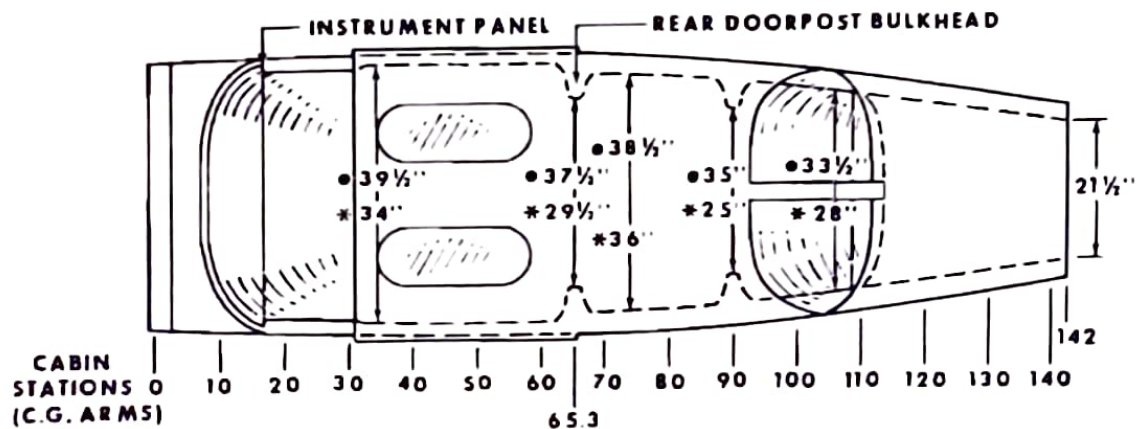


Figure 6-4. Internal Cabin Dimensions

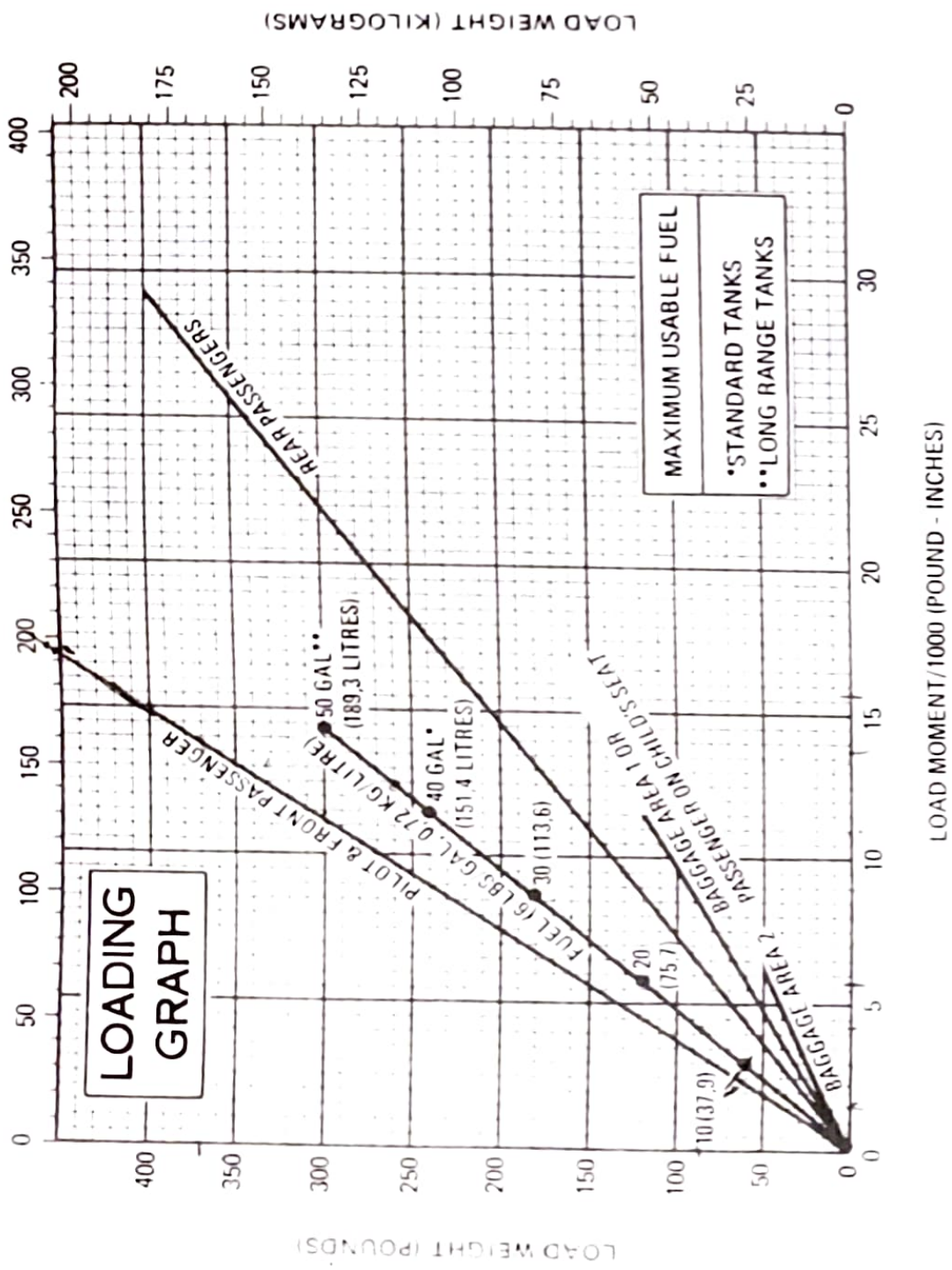
SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1454	57.6		
2. Usable Fuel (At 6 Lbs./Gal.) Standard Tanks (40 Gal. Maximum) Long Range Tanks (50 Gal. Maximum)	240	11.5		
3. Pilot and Front Passenger (Station 34 to 46)	340	12.6		
4. Rear Passengers	170	12.4		
5. * Baggage Area 1 or Passenger on Child's Seat (Station 82 to 108, 120 Lbs. Max.)	103	9.8		
6. * Baggage Area 2 (Station 108 to 142, 50 Lbs. Max.)				
7. RAMP WEIGHT AND MOMENT	2307	103.9		
8. Fuel allowance for engine start, taxi, and runup	-7	.3		
9. TAKEOFF WEIGHT AND MOMENT (Subtract Step 8 from Step 7)	2300	103.6		
10. Locate this point (2300 at 103.6) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.				

* The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 lbs.

Figure 6-5. Sample Loading Problem

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N



NOTE: Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant C.G. range.

Figure 6-6. Loading Graph

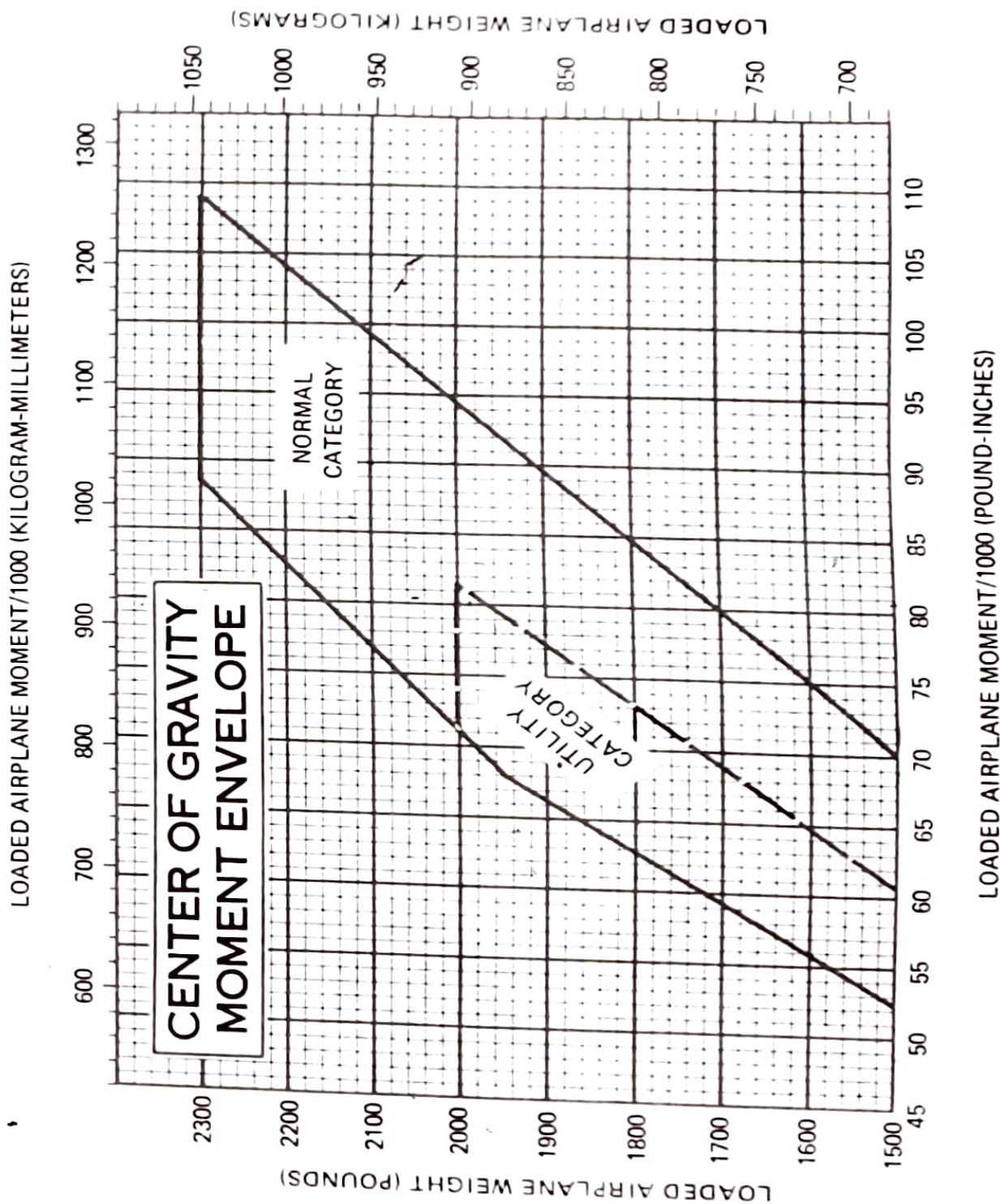


Figure 6-7. Center of Gravity Moment Envelope

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

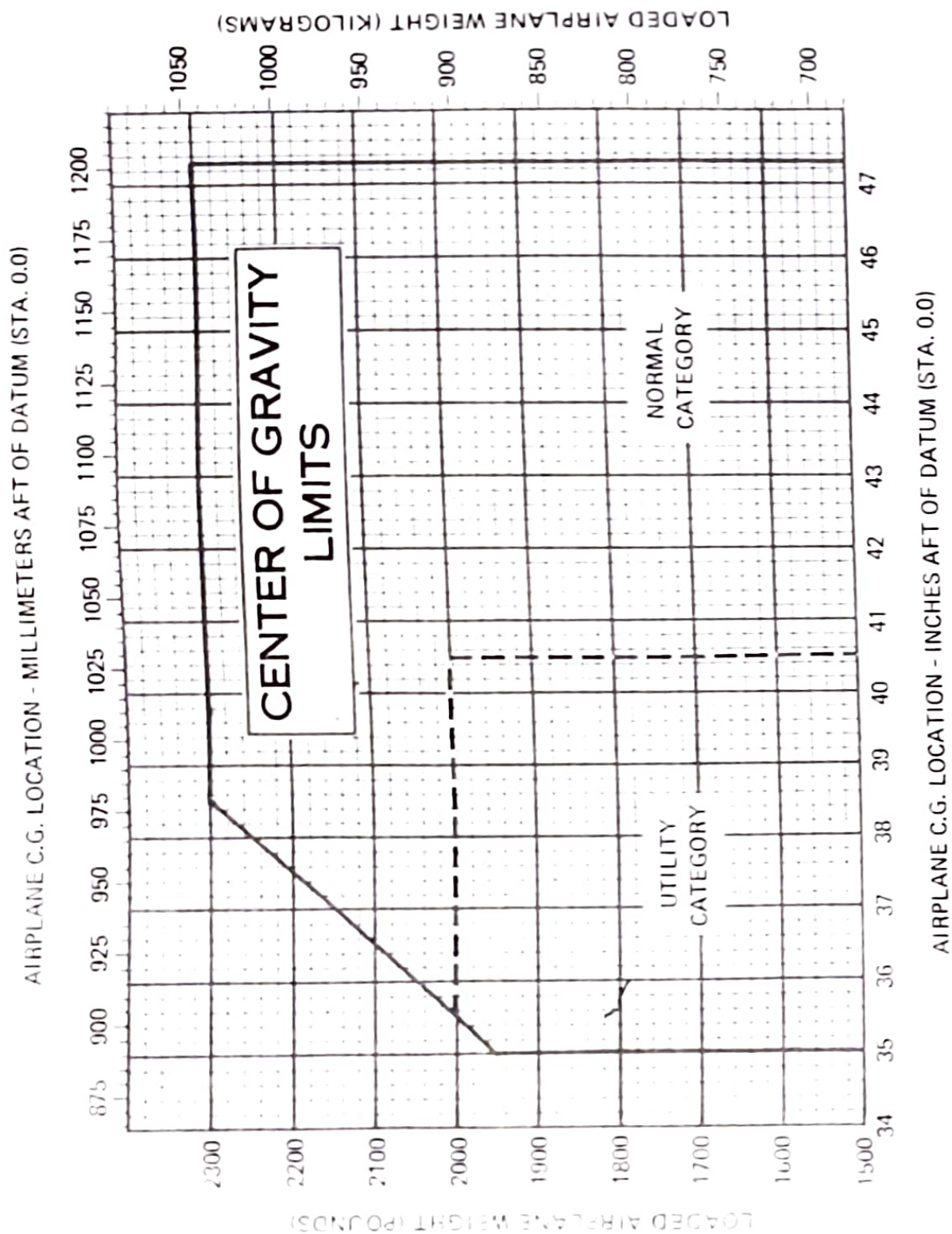


Figure 6-8. Center of Gravity Limits

EQUIPMENT LIST

The following equipment list is a comprehensive list of all Cessna equipment available for this airplane. A separate equipment list of items installed in your specific airplane is provided in your aircraft file. The following list and the specific list for your airplane have a similar order of listing.

This equipment list provides the following information:

An **item number** gives the identification number for the item. Each number is prefixed with a letter which identifies the **descriptive** grouping (example: A. Powerplant & Accessories) under which it is listed. Suffix letters identify the equipment as a required item, a standard item or an optional item. Suffix letters are as follows:

- 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

A **reference drawing** column provides the drawing number for the item.

NOTE

If additional equipment is to be installed, it must be done in accordance with the reference drawing, accessory kit instructions, or a separate FAA approval.

Columns showing **weight (in pounds)** and **arm (in inches)** provide the weight and center of gravity location for the equipment.

NOTE

Unless otherwise indicated, true values (not net change values) for the weight and arm are shown. Positive arms are distances aft of the airplane datum; negative arms are distances forward of the datum.

NOTE

Asterisks (*) after the item weight and arm indicate complete assembly installations. 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.

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	A. POWERPLANT & ACCESSORIES			
A01-R	ENGINE, LYCOMING O-320-H2AD (INCLUDES ELECTRIC STARTER, VACUUM PUMP PAD, SPARK PLUGS & CARBURETOR)	0550333	269.5*	-19.7*
A05-R	FILTER, CARBURETOR AIR	C294210-0301	0.5	-29.0
A09-R	ALTERNATOR, 28 VOLT, 60 AMP (BELT DRIVE)	C611503-0102	10.7	-29.0
A17-R	OIL COOLER, INSTALLATION	0550333	2.5*	-2.5*
	OIL COOLER	10599A	2.1	-6.5
A21-A	OIL FILTER, INSTALLATION (SPIN-ON ELEMENT)	0501060		
A33-R	PROPELLER ASSY. (FIXED PITCH-LANDPLANE)	C151001-0310	35.9*	-38.5*
	PROPELLER (MCCAULEY)	10160/0747557	30.1	-39.1
	3.5 INCH PROP SPACER ADAPTOR (MCCAULEY)	C4515	3.6*	-35.4*
A33-D	PROPELLER ASSY. (FIXED PITCH-FLOATPLANE)	C161001-0307	37.5*	-38.6*
	PROPELLER (MCCAULEY)	1A175/ET48042	31.8	-39.1
	3.5 INCH PROP SPACER ADAPTOR (MCCAULEY)	C4515	3.6*	-35.4*
A41-R	SPINNER INSTALLATION, PROPELLER	0550320	2.0*	-41.4*
	SPINNER DOME	0550235-8	1.2	-43.1
	FWD SPINNER BULKHEAD	0550321-4	0.3	-40.8
	AFT SPINNER BULKHEAD	0550321-10	0.4*	-37.3*
A51-S	VACUUM SYSTEM INSTALLATION	0501054	3.0*	-2.7*
	DRY VACUUM PUMP	C431003-0101	1.8	-6.3
	FILTER	1201075-2	0.2	5.4
	VACUUM GAUGE	C668509-0101	0.1	16.7
A70-A	RELIEF VALVE-REGULATOR	0501055-1	0.1	5.0
A73-A	PRIMER SYSTEM, ENGINE THREE CYLINDER (NET CHANGE)	C482001-0401	0.3	-12.0
	OIL QUICK DRAIN VALVE	0501055-1	0.3	-
	H. LANDING GEAR & ACCESSORIES			
	WHEEL, BRAKE & TIRE ASSY, 6.00X6 MAIN (2)	C163018-0201	41.7*	57.8*
	WHEEL ASSY, MCCAULEY	C163005-0101	7.0*	58.2
	BRAKE ASSY., MCCAULEY (LEFT)	C163032-0115	1.9	54.5
	BRAKE ASSY., MCCAULEY (RIGHT)	C163032-0114	1.9	54.5
	TIRE, 4-PLY BLACKWALL (EACH)	C252003-0101	8.5	58.2
	TIRE, 4-PLY BLACKWALL (EACH)	C252023-0102	1.8*	58.2
	WHEEL, TIRE ASSY, 5.00X5 NOSE	C163018-0101	8.7*	-0.8*
	WHEEL ASSY., MCCAULEY	C163005-0201	2.4	-0.8

CESSNA
MODEL 172N

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
B10-S	TIRE, 4-PLY BLACKWALL TUBE INSTALLATION; WHEEL (SET OF 3) NOSE WHEEL FAIRING (EACH) MAIN WHEEL FAIRING	C262003-0102 C262023-0101 0541225-1	4.7 17.8* 4.0 5.7	-6.8 -6.8 -4.9 60.3
C01-R C01-D C04-R C07-A C16-D C22-A C25-A C28-S C31-A C43-A	C. ELECTRICAL SYSTEMS BATTERY, 24 VOLT, STANDARD DUTY ALTERNATOR, 24 VOLT, HEAVY DUTY LOW VOLTAGE CONTROL UNIT, 28 VOLT WITH HIGH GROUND SERVICE PLUG RECEPTACLE HEATING SYSTEM, PITOT (NET CHANGE) LIGHTS, INSTRUMENT POST (REQUIRES INSTALL- ATION OF E34-G DELUXE GLARESHIELD) LIGHT, MAP (CONTROL WHEEL MTD, RCS E89-G) LIGHT, MAP & INSTRUMENT PANEL FLOOD (DOCPPOST MOUNTED) LIGHTS, COURTESY ENTRANCE (SET OF 2) DETECTORS, NAVIGATION LIGHT (SET OF 2) LIGHT, INSTALLATION, OMNIFLASH BEACON BEACON LIGHT ON FIN TIP FLASHER POWER SUPPLY RESISTOR (MEMCH) LIGHT, INSTALLATION, WING TIP STRCBE FLASHER POWER SUPPLY (SET OF 2 IN WING) STRUBE LIGHT, WING TIP (SET OF 2) LIGHT, INSTALLATION, COM, MOUNTED LANDING LAMP, 250 WATT (G.E.) LIGHTS, JUAL COM, MOUNTED LANDING LAMP, 250 WATT (G.E.) (EACH)	C614001-0105 C614001-0106 C611004-0101 0501064 0422355 0513094 0570087 0700149 0521101 0701013-1, -2 0506003 C621001-0102 C594502-0102 CR95-6 0501027 C622008-0102 C622006-0101 0570312 4553 0552141 4591	22.8 24.8 0.4 2.7 0.6 0.5 0.2 0.3 2.5 NEGL 2.1* 3.4 3.8 0.3 3.4* 2.3 0.2 1.9* 0.8 3.2* 3.5	0.0 0.0 3.5 -2.6 16.4 16.5 21.5 32.5 61.0 - 184.2* 243.0 205.8 209.1 43.3* 47.0 43.5 -27.1* -29.0* -29.0
D01-K D01-D D04-A	J. INSTRUMENTS INDICATOR, AIRSPEED INDICATOR, TRUE AIRSPEED STATIC AIR ALTERNATE SOURCE	C661064-0102 0513279 0501017	3.6 3.7 0.2	16.2 16.3 15.5

1 July 1978

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
007-R	ALTIMETER (SENSITIVE)	C661071-J101	1.0	14.0
007-0-1	ALTIMETER, SENSITIVE (50 FT. MARKINGS)	C661071-J102	1.0	14.0
007-0-2	ALTIMETER (SENSITIVE) 20 FT. MARKINGS	C661025-J102	1.0	14.0
010-A	ALTIMETER, 2ND UNIT INSTALLATION (JUAL)	2001015	1.0	14.5
010-A-1	ENCODING ALTIMETER (REQUIRES RELOCATION OF REGULAR ALTIMETER)	3501049	3.0	14.0
016-A-2	ENCODING ALTIMETER, FEET & MILLIBARS (RE-QUIRES RELOCATION OF REGULAR ALTIMETER)	0501059	1.5*	14.4*
010-A-3	ALTITUDE ENCODER (BLIND, DOES NOT REQUIRE INSTRUMENT PANEL MOUNTING)	S-1320-5	0.3	10.5
019-R	AMMETER	0513339	1.0	14.0
022-A	GAGE, CARBURETOR AIR TEMPERATURE	C664508-J101	0.4	16.3
025-S	CHECK, ELECTRIC	0513262-1	0.4	14.0
028-R	COMPASS, MAGNETIC-INSTALLATION	C669511-J102	0.5	16.5
030-3	INSTRUMENT CLUSTER, OH & AM FUEL QUANTITY	C659512-J102	0.5	16.5
041-R	INSTRUMENT CLUSTER, OIL PRESS, OIL TEMP.	0501043-2	0.6	7.8
043-A	INDICATOR, ECONOMY MIXTURE (EGT)	0501054-1	6.3*	13.6*
064-S	GYROS, ALTITUDE & DIRECTIONAL INDICATORS (NAV-O-MATIC)	C661075-J104	2.7	14.7
	DIRECTIONAL INDICATOR	C661075-J101	2.5	14.3
064-0	ATTITUDE INDICATOR	0501054-2	6.9*	13.4*
	GYRO INSTALLATION FOR 300 NAV-O-MATIC	40760-J101	3.3	14.3
	DIRECTIONAL INDICATOR (ARC)	C661076-J101	2.5	14.3
067-A	ATTITUDE INDICATOR	0501052	0.5	8.3
062-S	RECORDER INSTALLATION, FLIGHT HOUR	C668507-J101	0.1	23.6
065-R	GAGE, OUTSIDE AIR TEMPERATURE	0506304	1.0*	12.1*
	TACHOMETER INSTALLATION, ENGINE	C668020-J118	0.7	10.0
	RECORDING TACH INDICATOR	S-1605-10	0.3	1.0
080-5-1	FLEXIBLE TACH SHAFT	C661003-J505	1.3	15.8
080-5-2	INDICATOR, TURN COORDINATOR, 28 VOLT ONLY	C651033-J506	1.3	15.8
083-0	INDICATOR, TURN COORDINATOR, 10-30 VOLT	42323-J028	1.3	14.6
091-S	INDICATOR, NAV-O-MATIC 200A AND 300A	C651080-J101	1.0	14.9
	INDICATOR, VERTICAL SPEED			
	E. CABIN ACCOMMODATIONS			

CESSNA
MODEL 172N

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
E02-5	AR-1 RESTS - 2ND ROW (SET OF 2)	0715039	1.5	72.5
E05-7	SEAT, ADJUSTABLE FURURE & AFT PILOT	0514141	12.6	44.0
E07-5	SEAT, INFINITE ADJUSTABLE - PILOT	0514142	23.0	41.5
E07-10	SEAT, INFINITE ADJUSTABLE - CO-PILOT	0514141	12.6	44.0
E07-11	SEAT, INFINITE ADJUSTABLE - CO-PILOT	0514142	23.0	41.5
E09-7	SEAT, REAR (ONE PIECE BACK CUSHION)	0514144	23.0	79.5
E15-5	PILOT LAP BELT ASSY	0514143	23.0	79.5
E15-5	SHOULDER HARNESS ASSY, PILOT	S-2275-103	1.0	37.0
E19-0	SHOULDER HARNESS INERTIA REEL INSTALLATION PILOT & CO-PILOT - REPLACES STD BELTS AND HARNESS (NET CHANGE)	S-2275-201	0.6	37.0
E23-5	BELT & SHOULDER ASSY - CO-PILOT	051046-1	2.0	82.0
E27-5	BELT ASSY, 2ND ROW (SET OF 2)	S-2275-3	1.6	37.0
E27-5	SEAT BELT & SHOULDER HARNESS ASSY FOR 2ND ROW SEATING	S-1746-39	2.0	70.0
E34-0	DELUXE GLASSHIELD (NET CHANGE)	S-2275-8	3.2	70.0
E35-A-1	LEATHER SEAT COVERING (NET CHANGE)	0515034	1.0	21.0
E35-A-2	LEATHER & VINYL OR FABRIC COVER-NET CHANGE	CES-1151	2.0	62.0
E37-0	WINDOWS, HINGED, RH DOOR (NET CHANGE)	CES-1151	1.5	62.0
E39-A	VENTILATION SYSTEM, REAR SEAT (NET CHANGE)	051075	2.3	47.0
E49-A	PATABLE WITH E88-A-1 OR E88-A-2)	0511800	0.9	47.9
E50-A	BEVERAGE CUP HOLDER	0700322	1.7	60.0
E51-A	HEADREST, 1ST ROW (MT EACH)	0501023	0.1	15.0
E55-5	HEADREST, 2ND ROW (MT EACH)	1215073-11	0.7	47.0
E57-1	SUN VISORS, TINTED FRONT, SIDE & REAR (NET CHANGE)	1215073-11	0.7	86.0
E57-1	RINGS, CARGO TIE-DOWN (STOWED) (USE ARM AS INSTALL WITH CARGO)	0500042	0.9	32.8
E57-1	QUADRA TRIM SYSTEM	0500042	0.0	-
E57-1	CABIN AIR CONDITIONING SYSTEM-CHILLED AIR	0500042	0.5	95.0
E57-1	COMPRESSOR ASSEMBLY	0513335	4.9	12.4
E57-1	EVAPORATOR (LOCATED ABOVE AFT BAGGAGE)	0513290	1.0	9.4
E57-1	CONDENSOR (LOCATED UNDER SIDE BAGGAGE)	0513290	20.2	43.2*
E57-1	CABIN AIR CIRCULATING FAN	0513290	9.1	-29.0
E57-1	ALL PURPOSE CONTROL WHEEL, NET CHANGE	0513290	5.3	121.5
E57-1	HEATING SYSTEM, CABIN & CABURETOR AIR (INCLUDES EXHAUST SYSTEM)	0513290	10.0	96.2
E57-1		0513290	17.5	100.0
E57-1		0513290	17.5	-21.0

1 July 1978

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	F. PLACARDS, WARNINGS & MANUALS			
F01-R	PLACARD, OPERATIONAL LIMITATIONS-DAY VFR	0505087	NEGL	-
F01-U-1	PLACARD, OPERATIONAL LIMITATIONS-DAY NIGHT VFR	0505087	NEGL	-
F01-U-2	PLACARD, OPERATIONAL LIMITATIONS-DAY NIGHT VFR	0505087	NEGL	-
F01-U-3	PLACARD, OPERATIONAL LIMITATIONS-LAY VFR	0505087	NEGL	-
F01-U-4	PLACARD, OPERATIONAL LIMITATIONS-DAY NIGHT VFR	0505087	NEGL	-
F01-U-5	PLACARD, OPERATIONAL LIMITATIONS-DAY NIGHT VFR	0505087	NEGL	-
F04-R	NOTE THE ABOVE PLACARDS ARE INSTALLED ACCORDING TO AIRCRAFT EQUIPMENT	0523112	0.2	26.5
F13-S	INDICATOR, ADJUSTABLE PNEUMATIC STALL WARNING	C113B-13PH	NEGL	-
F16-R	LOW VOLTAGE WARNING LIGHT, ALTERNATOR PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRPLANE FLIGHT MANUAL		0.5	-
	G. AUXILIARY EQUIPMENT			
G07-A	RINGS, AIRPLANE HOISTING (CABIN TOP)	0541115	0.9	49.1
G13-A	CORRUSSION PROOFING, INTERNAL	0500036	10.0	77.0
G16-A	STATIC DISCHARGERS	0501048	0.4	143.2
G19-A	STABILIZER ABRASION BLOTS	0500041	2.7	206.0
G22-S	TOW BAR (STORED)	0501019	1.6	95.0
G25-S	PAINT, OVERALL EXTERIOR (MODIFIED POLY-URETHANE)	0504037	12.4*	90.9*
	OVERALL BASE WHITE		11.6	90.5
	WASH PRIME		0.4	90.5
	COLOR STRIPE		0.5	102.2
G25-A	OPTIONAL OVERALL PRIME COATING	0504037	3.3	90.5
G31-A	CABLES, CORROSION RESISTANT CONTROL (NET CHANGE)	0500036	0.3	-
G55-A	FIRE EXTINGUISHER INSTALLATION	0501011	3.0*	43.8*
	FIRE EXTINGUISHER MOUNTING BRACKET	C421001-0101	2.6	44.0
	FIRE EXTINGUISHER MOUNTING BRACKET	C421001-0102	0.3	42.2
G58-A	STEPS & HANDLES, REFUELING ASSISTING	0513415	1.7	16.3

CESSNA
MODEL 172N

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
G67-A	KUDDER PEDAL EXTENSION, REMOVABLE - SET UP 2 (STOWABLE)	0701048	2.3	8.0
G88-A-1	INTERLATION KIT - INSTALLED ARM SHCWN) BREATHING TUBE INSULATION	0501008 0552011	0.8*	-22.7*
G88-A-2	TWO COWL INLET AIR COVERS (INSTALLED) (STOWED)	0552132-1, -2 0552011	0.4 0.3	-13.8 -32.0
G92-0	INTERLATION KIT INSTL. ON FLATPLANE ONLY (INSTALLED) (STOWED)	0501055	1.0*	95.0
	FUEL SYSTEM, EXTENDED RANGE WING TANKS (NET CHANGE)		0.4 0.6 0.6 9.5	-12.0 -4.0 95.0 48.0
	H. AVIONICS & AUTOPILOTS			
H01-A	CESSNA 320 ADF INSTALLATION	3910159-2	7.0*	21.0*
	CONSISTS OF			
	RECEIVER WITH BFG (R-546E)	41240-0101	2.3	12.1
	SENSE ANTENNA (IN-346A)	40980-1001	0.9	14.0
	LOOP ANTENNA INSTALLATION	0570400-632	0.2	108.6
H04-A	RECEIVER MOUNT, WIRES AND MISC ITEMS	3960104-1	1.4	39.3
	DME INSTALLATION, NARCO	3910166-1	2.2	13.7
	RECEIVER (DME-190)	3312-400	7.5*	18.5*
	MOUNTING BOX		4.9	11.3
H05-A	ANTENNA, FUSTER R-NAV 511		0.6	11.1
	RECEIVER 3 MOUNT (511)	3910203	0.2	86.1
H07-A-1	CESSNA 400 GLIDESCOPE (INCLUDES VOR/ILS INDICATOR - NET CHANGE FOR VOR/LCC	3910157	3.4*	11.8*
	ANTENNA (LOCATED - UPPER WINDSHIELD)		2.4	14.5
	VOR/ILS INDICATOR (IN-386A) (INDICATOR WT NET CHANGE, ACTUAL WT 1.7 LBS)	42100-0000	4.4*	81.1*
H07-A-2	CESSNA 400 GLIDESCOPE (INCLUDES AUTO-COURSE VOR/ILS INDICATOR, WT NET CHANGE FOR VOR/LCC INDICATOR)	1200098-2 46860-2000	2.1 0.2 0.1	117.0 30.0 15.5
	RECEIVER (R-443B)	3910157	4.6*	78.2*
	ANTENNA (LOCATED - UPPER WINDSHIELD)			
	VOR/ILS INDICATOR (IN-386A) (INDICATOR	42100-0000 1200098-2 46860-2200	2.1 0.2 0.3	117.3 30.0 14.7

SECTION 8
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
H11-A-1	WT NET CHANGE, ACTUAL WT IS 1.9 LBS) PANTONICS PT-10A HF TRANSCIEVER 2ND UNIT TRANSCIEVER (PANEL MOUNTED) ANTENNA LCAD BOX HF POWER SUPPLY (REMOTE) POWER & SIGNAL CABLES ANTENNA INSTALLATION, 351 IN. LCNG ANTENNA ASB-125 HF TRANSCIEVER, 2ND UNIT SUNAIR ASB-125 HF TRANSCIEVER, 2ND UNIT ANTENNA LCAD BOX POWER SUPPLY (REMOTE) TRANSCIEVER (PANEL MOUNTED) ANTENNA INSTALLATION, 351 IN. LCNG MISC SWITCHES, WIRES AND ETC. CESSNA 300 MARKER BEACON RECEIVER (RT-402A) ANTENNA, L SHAPED ROD CESSNA 300 TRANSPONDER TRANSCIEVER (RT-359A) ANTENNA ANTENNA 400 TRANSPONDER (USED FOR EXPCAT) TRANSCIEVER (RT-459A) ANTENNA CESSNA 300 NAV/CUM. 720 CH. FIRST UNIT WITH VCR/LCC RECEIVER-TRANSCIEVER (RT-385A) VOR/LCC INDICATOR (IN-385A) H34-A BASIC AVIONICS KIT MOUNT, WIRE & MISC HARDWARE CESSNA 300 NAV/CUM 720 CH. FIRST UNIT WITH VCR/LCC ALLOCURSE INDICATOR RECEIVER-TRANSCIEVER (RT-385A) VOR/LCC INDICATOR (IN-385AC) (AUTOMATIC RADIAL CENTERING) H34-A BASIC AVIONICS KIT MOUNT, WIRING & MISC HARDWARE CESSNA 300 NAV/CUM 720 CH CUM 2ND UNIT WITH VOR/LCC RECEIVER-TRANSCIEVER (RT-385A) VOR/LCC INDICATOR (IN-385A) H37-A ANTENNA COUPLER KIT MOUNT, WIRING & MISC ITEMS CESSNA 300 NAV/CUM 720 CH CUM 2ND UNIT	3910156-9 C582103-0102 C589502-0201 C582103-0301 3940117 3910158-1 99816 99683 99681 3940117 - 3910164-1 42410-5128 0770681-1 3910127-17 41420-1128 - 3910128-21 41470-1128 - 3910183-4 46660-1100 46860-1000 3910186 3910183 46660-1107 46860-1200 3910186 3910183-6 46660-1102 46860-1000 3910145 3960111-1 3910183	20.2* 4.2 4.5 2.5 0.3 22.9 4.5 8.5 0.3 3.7 2.7 0.7 0.7 4.0* 2.7 0.2 4.2 2.9 19.3* 5.5 1.8 1.2 15.5* 5.5 1.8 7.0 1.2 9.3* 5.5 1.6 1.0 9.5*	88.8* 10.4 112.4 114.0 141.4 142.8* 182.0 112.0 114.0 110.4 144.4 147.5* 157.5 11.8 136.0* 25.8* 11.1 126.0 125.1 11.1 126.2 30.5*
H11-A-2				
H13-A				
H16-A-1				
H16-A-2				
H22-A-1				
H22-A-2				
H25-A-1				
H25-A-2				

CESSNA
MODEL 172N

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
H28-A-1	WITH VCR/LCC ALTCOURSE INDICATOR RECEIVER-TRANSMITTER (KIT-385A) VOR/LCC INDICATOR (IN-385AC) (AUTOMATIC RADIAL CENTERING) H37-A ANTENNA COUPLER KIT MOUNT, WIRING & MISC ITEMS EMERGENCY LOCATOR TRANSMITTER TRANSMITTER (U & M DMELT-6-1)	46660-1100 46860-1200 3910185 3960111-1 0470419-3 C589511-0117 C589511-0109 0470419-4	5.5 1.8 1.0 1.2* 3.3 3.3 0.1 3.5*	11.5 14.5 37.5 10.0 116.5* 116.4 122.0 116.5*
H28-A-2	EMERGENCY LOCATOR TRANSMITTER (USED IN CANADA)	C589511-0113 C589511-0109 3910162-1 3930144-6 42320-0014 0522632-1	3.3 0.1 9.2* 1.6 0.0 6.1	116.4 122.0 51.0* 13.1 - 68.1
H31-A-1	NAV-U-MATIC 200A CONTR-CLER-AMPLIFIER TURN COORDINATOR (NET CHNG) (G-300A) WING INSTALLATION (SERVC IS 3.9 LBS AT 68.9 INCHES) (PA-495)	3910163-1 CA-395A U501054 42320-0028 0522632-1	10.4* 1.8 0.6 0.0 6.1	46.2* 13.1 11.3 - 68.1
H31-A-2	NAV-U-MATIC 300A (AF395) CONTR-CLER-AMPLIFIER & MOUNT 064-0 GYRO INSTALLATION NET CHANGE 088-0 TURN COORDINATOR NET CHANGE WING INSTALLATION (SERVC IS 3.9 LBS AT 68.9 INCHES) (PA-455)	3940151-1 3910186-2 3930206 3940148-1 3950122-3 3950122-4 3960102-10 3960113-1 3970123-3 3970124-1 3970125-4 3970131-1 3910185-2 3970112-1	0.4 7.0* 1.1 0.1 0.1 0.4 0.6 0.8 0.4 1.2 0.3 0.2 1.0 0.3	4.0 52.6* 10.2 -26.1 -27.0 116.0 120.8 62.4 37.3 17.2 14.2 12.5 37.5 13.0
H34-A	BASIC AVIONICS KIT--AVAILABLE WITH 1ST UNIT NAV/COM ONLY RADIO COOLING INSTL. NOISE FILTER-AUDIO (ON ALTERNATOR) CUM ANTENNA CABLE CUM ANTENNA INSTALLATION CUM VHF COM ANTENNA CABIN SPEAKER INSTL. HEADPHONE INSTL--HANDHELD HEADPHONE INSTL PANEL INSTL AUDIO CONTROL KIT ANTENNA & COUPLER KIT ANTENNA-HEADSET COMB. INSTL (HEADSET STOWED) MIKE-HEADSET ARM SHC. (REQUIRES E89-0) PADDED HEADPHONES & MICROPHONE, REQUIRES E49-0 ALL PURPOSE CONTROL WHEEL	C596531-0101	1.1	-
H37-A				
H55-A				
H56-A				

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

CESSNA
MODEL 172N

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
J01-A	J. SPECIAL OPTION PACKAGES SKYHAWK II EQUIPMENT CONSISTS OF ITEMS J01-0 TRUE AIRSPEED IND. (NET CHANGE) C16-0 HEATED PITOT SYSTEM E85-A DUAL CANDLELIGHTS J40-A NAV LIGHT DETECTORS J31-A COURTESY LIGHTS J43-A FLASHING DEACON LIGHT SOURCE J04-A STATIC ALTERNATE AIR MTR (ELT) H28-A EMERGENCY LOCATOR (NET CHANGE) J25-0 SKYHAWK II PAINT (NET CHANGE) H22-A-1 NAV/CUM 385A VCR/LCC NAV-PAC INSTALLATION (SKYHAWK II ONLY) H25-A 385A NAV/CUM VCR/LCC H01-A 300 ADF (546E) H16-A-1 300 TRANSPODER (KT-359) FLUATPLANE FUSELAGE STRUCTURAL MODIFICA- TIONS & FITTINGS (OPTIONAL) FLUATPLANE COWLOCK V BRACE (INSTALLED) FLUATPLANE AILERON-PUDDER INTERCONNECT FLUATPLANE ONLY (INSTALLED) ITEMS J10-A & J13-A ARE ALSO APPROVED FOR LANUPLANE OPERATIONS. MODEL 8942000 FLOATS & 502 ATTACHMENTS NET CHANGE BETWEEN STANDARD LANDING GEAR (ITEM NOS. B01-R, B04-R, B10-S AND BRAKE & NOSE WHEEL STEERING MD: SYSTEMS) AND FLUATPLANE KIT (ITEM NO: J30-A-1) IS APPROXIMATELY 155 LBS. AT 58.3 IN. THE CORRECT VALUES OF WT & ARM CHANGE FOR WT & BALANCE CALCULATIONS SHOULD BE DETERMINED FROM THE ACTUAL INSTALLATION. FLUATPLANE EQUIPMENT KIT WITH PRCP CHANGE AND CORROSION PROOFING CONSISTS OF-- A37-0 PROPELLER, FLUATPLANE, EXCHANGE F01-0 PLACARD, FLUATPLANE OPERATION J31-A CABLES, CORROSION RESIST, EXCH.	0500510 0513279 0422355 0513355 0701013 0521101 0506003 0501017 470419 0504035 3910183-4 3910161 0500083 0513003 0560012 E700-36335 0500083 0550320 0505053 0500036	25.5* 0.1 0.6 4.9 NEG 0.5 2.1 2.0 1.4 0.0 15.3 20.3* 9.3 7.0 4.0 6.1 1.1 1.1 0.4 0.4 - - 21.7* 1.3 0.0 0.0	46.0* 16.7 24.4 12.4 - 61.0 184.3 116.6 - 30.5 19.1* 14.0 21.0 26.1 45.5 26.2 95.0 69.6 95.0 - - 52.3* -41.4 - -
J04-A				
J10-A				
J13-A				
J15-A				
J27-A				
J30-A-1				

CESSNA
MODEL 172N

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
J30-A-2	G13-A CORROSION PROOFING, INTERNAL	0500036	10.0	77.0
	G37-A RINGS, AIRPLANE HOISTING	0541115	1.1	49.1
	G58-A STEP & HANDLE, REFUELING	0513415	1.7	17.8
	J10-A FUSELAGE MODIFICATION (CPT C)	0500083	6.1	45.5
	J13-A COWL DECK V-BRACE (INSTALLED)	0513003	1.1	26.2
	J15-A INTERCONNECT SYSTEM, INSTALLED	0560012	0.4	69.6
	COWL ASSY, FLOATPLANE (NET CHG)	0552162	NEGL	-
	FLOATPLANE PLACARD	0505083	NEGL	-
	EQUIPMENT KIT WITH CORROSION	0500083	20.4*	62.5*
	PROOFING, V-BRACE STUMED AND NC PROP			
	CHANGE			
	F01-D- PLACARD, FLOATPLANE OPERATION	0505053	0.0	-
	G31-A CABLES, CORROSION RESIST, EXCH	0500036	0.0	-
	G13-A CORROSION PROOFING, INTERNAL	0500036	1.0	77.0
J30-A-3	G37-A RINGS, AIRPLANE HOISTING	0541115	1.1	49.1
	G58-A STEP & HANDLE, REFUELING	0513415	1.7	17.8
	J10-A FUSELAGE MODIFICATION (STCWED)	0500083	6.1	45.5
	J13-A INTERCONNECT SYSTEM (STCWED)	0513003	1.1	95.0
	J15-A COWL ASSY, FLOATPLANE (NET CHG)	0560012	0.4	95.0
	FLOATPLANE PLACARD	0552162	NEGL	-
	EQUIPMENT KIT WITH PROP CHANGE	0505083	NEGL	-
	PROOFING, V-BRACE STUMED AND NC PROP	0500083	11.7*	31.2*
	CHANGE			
	A33-O CORROSION PROOFING, CONSISTS OF--	0550320	1.3	-41.4
	F01-D- PROPELLER, FLOATPLANE, EXCHANGE	0505053	0.0	-
	G07-A PLACARD, FLOATPLANE OPERATION	0541115	1.1	49.1
	G58-A RINGS, AIRPLANE HOISTING	0513415	1.7	17.8
	J10-A FUSELAGE MODIFICATION	0500044	6.1	45.5
J30-A-4	J13-A COWL DECK V-BRACE (INSTALLED)	0513003	1.1	26.2
	J15-A INTERCONNECT SYSTEM (NET CHG)	0560012	0.4	69.6
	COWL ASSY, FLOATPLANE (NET CHG)	0552162	NEGL	-
	FLOATPLANE PLACARD	0505083	NEGL	-
	EQUIPMENT KIT WITH NC PROP	0500083	10.4*	41.2*
	PROOFING (USED			
	CHANGE OR CORROSION PROOFING (USED			
	PRIMARILY IN CANADA)			
	G37-A RINGS, AIRPLANE HOISTING	0541115	1.1	49.1
	G58-A STEP & HANDLE, REFUELING	0500083	1.7	17.8
	J10-A FUSELAGE MODIFICATION	0513003	6.1	45.5
	J13-A COWL DECK V-BRACE (INSTALLED)	0560012	1.1	26.2
	J15-A INTERCONNECT SYSTEM (STCWED)	0552162	0.4	69.6
	COWL ASSY, FLOATPLANE (NET CHG)	0505083	NEGL	-
	FLOATPLANE PLACARD	0500083	NEGL	-