SECTION 6
WEIGHT & BALANCE/ EQUIPMENT LIST

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INTRODUCTION

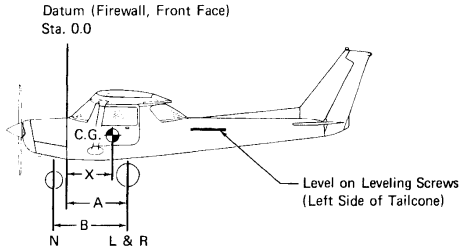
This section describes the procedure for establishing the basic empty weight and moment of the airplane. Sample forms are provided for reference. Procedures for calculating the weight and moment for various operations are also provided. A comprehensive list of all Cessna equipment available for this airplane is included at the back of this section.

It should be noted that specific information regarding the weight, arm, moment and installed equipment list for this airplane can only be found in the appropriate weight and balance records carried in the airplane.

It is the responsibility of the pilot to ensure that the airplane is loaded properly.

AIRPLANE WEIGHING PROCEDURES

1. Preparation:
   a. Inflate tires to recommended operating pressures.
   b. Remove the fuel tank sump quick-drain fittings and fuel line drain plug to drain all fuel.
   c. Remove oil sump drain plug to drain all oil.
   d. Move sliding seats to the most forward position.
   e. Raise flaps to the fully retracted position.
   f. Place all control surfaces in neutral position.
2. Leveling:
   a. Place scales under each wheel (500# minimum capacity for scales).
   b. Deflate nose tire and/or lower or raise the nose strut to center bubble on level (see figure 6-1).
3. Weighing:
   a. With the airplane level and brakes released, record the weight shown on each scale. Deduct the tare, if any, from each reading.
4. Measuring:
   a. 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.
   b. 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. Using weights from item 3 and measurements from item 4. the airplane weight and C.G. can be determined.
6. Basic Empty Weight may be determined by completing figure 6-1.



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

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

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)		-14.7	
With Oil Filter (7 Qts at 7.5 Lbs/Gal)		-14.7	
Add Unusable Fuel:			
Std. Tanks (1.5 Gal at 6 Lbs/Gal)		40.0	
L.R. Tanks (1.5 Gal at 6 Lbs/Gal)		40.0	
Equipment Changes			
Airplane Basic Empty Weight			

Figure 6-1. Sample Airplane Weighing

SAMPLE WEIGHT AND BALANCE RECORD

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

AIRPLANE MODEL				SERIAL NUMBER						PAGE NUMBER	
DATE	ITEM NO.		DESCRIPTION OF ARTICLE OR MODIFICATION	WEIGHT CHANGE						RUNNING BASIC EMPTY WEIGHT	
				ADDED (+)			REMOVED (-)				
	In	Out		Wt. (lb.)	Arm (In.)	Moment /1000	Wt. (lb.)	Arm (In.)	Moment /1000	Wt. (lb.)	Moment /1000

Figure 6-2. Sample Weight and Balance Record

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 limitation (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.

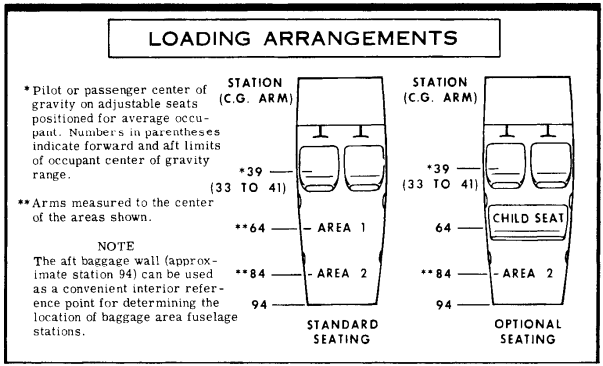


Figure 6-3. Loading Arrangements

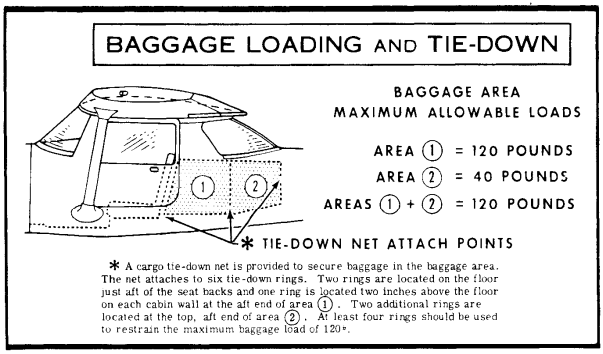
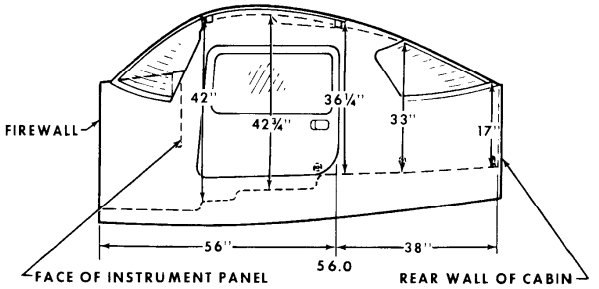


Figure 6-4. Baggage Loading and Tie-Down

CABIN HEIGHT MEASUREMENTS



DOOR OPENING DIMENSIONS

WIDTH (TOP)	WIDTH (BOTTOM)	HEIGHT (FRONT)	HEIGHT (REAR)
31"	33¼"	31½"	31"

WIDTH
• LWR WINDOW LINE
* CABIN FLOOR

CABIN WIDTH MEASUREMENTS

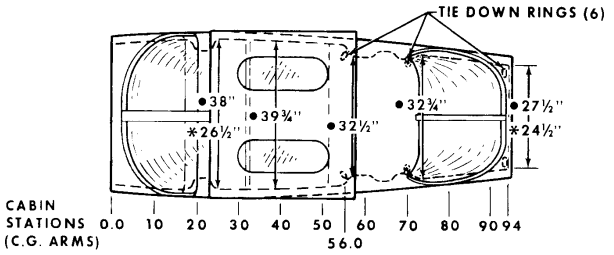
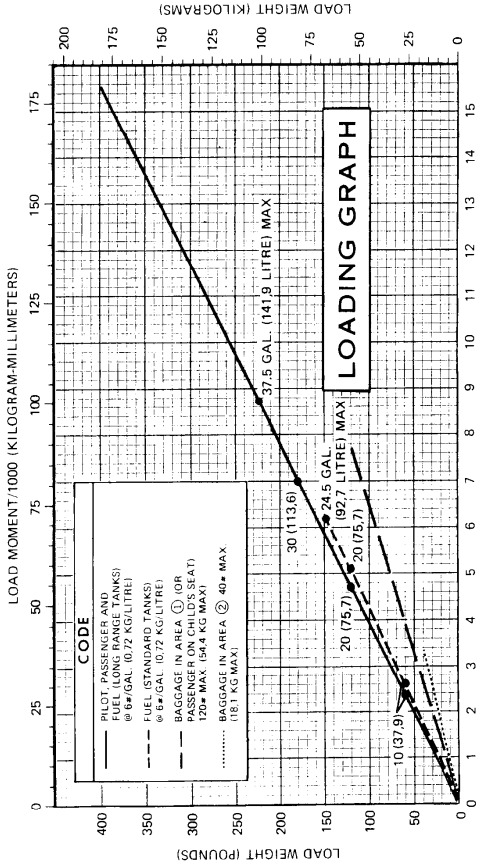


Figure 6-5. Internal Cabin Dimensions

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)	1136	34.0		
2. Usable Fuel (At 6 Lbs./Gal.) Standard Tanks (24.5 Gal. Maximum)	147	6.2		
Long Range Tanks (37.5 Gal. Maximum)				
Reduced Fuel (As limited by maximum weight)				
3. Pilot and Passenger (Station 33 to 41)	340	13.3		
4. *Baggage - Area 1 (Or passenger on child's seat) (Station 50 to 76, 120 Lbs. Max.)	52	3.3		
5. *Baggage - Area 2 (Station 76 to 94, 40 Lbs. Max.)				
6. RAMP WEIGHT AND MOMENT	1675	56.8		
7. Fuel allowance for engine start, taxi, and runup	-5	-.2		
8. TAKEOFF WEIGHT AND MOMENT (Subtract Step 7 from Step 6)	1670	56.6		
9. Locate this point (1670 at 56.6) 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 ard 2 is 120 pounds.				

Figure 6-6. Sample Loading Problem



NOTES: 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 6-7. Loading Graph

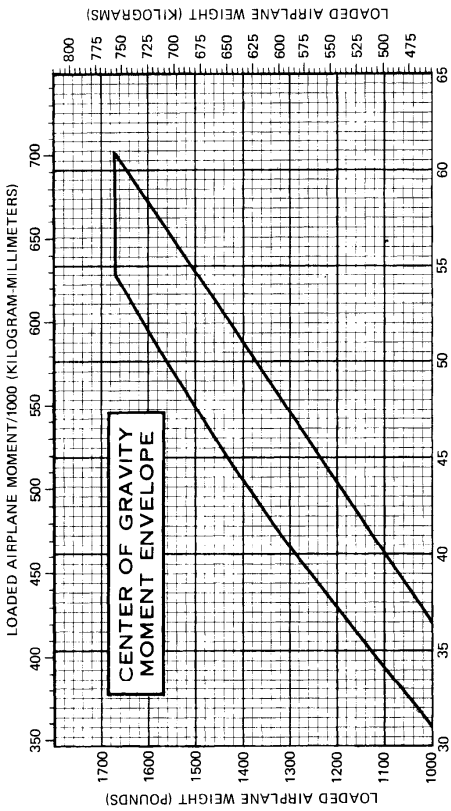


Figure 6-8. Center of Gravity Moment Envelope

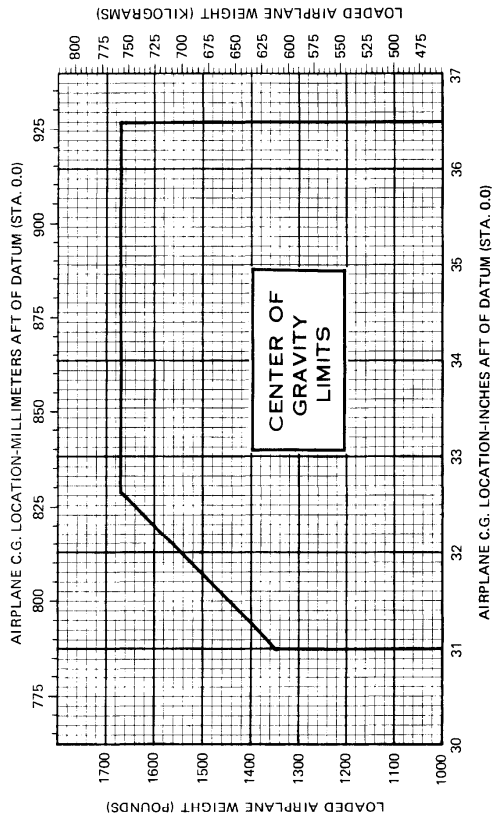


Figure 6-9. Center of Gravity Limits

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.

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	A. POWERPLANT & ACCESSORIES			
A01-R	ENGINE, LYCOMING O-235-L2C (INCLUDES STARTER, CARBURETOR, SPARK PLUGS AND ALTERNATOR BRACKETS)	0450071	243.5	-19.2
A05-R	FILTER, CARBURETOR AIR	C2945103-0201	0.5	-16.0
A09-R	ALTERNATOR, 60 AMP, 28 VOLT (BELT DRIVE)	C6115003-0102	10.7	-27.5
A17-R	OIL COOLER INSTALLATION	0450071	4.8*	-22.4*
	OIL COOLER (STEWART WARNER)	8436J	1.9	-27.5
A21-A	OIL FILTER INSTALLATION (SPIN-ON ELEMENT)	0450412	2.5	-6.0
A33-R	PROPELLER INSTALLATION	0450077	24.9*	-36.5*
	PROPELLER, MCCAULEY FIXED PITCH 1A103/TCM6958	C1610013501	23.2	-36.5
A41-R	SPINNER INSTALLATION, PROPELLER	0450077	2.4*	-38.6*
	SPINNER DOME	0450073-1	0.8	-38.4
	AFT BULKHEAD (BACK SIDE OF PROP)	0450072-1	1.1	-38.3
	FWD BULKHEAD (FWD SIDE OF PROP)	0450075-1	0.3	-37.4
A61-A	VACUUM SYSTEM INSTALLATION, ENGINE DRIVEN	0413466-2	2.8*	-5.2
	DRY VACUUM PUMP	C4310003-0103	1.8	-7.5
	VACUUM RELIEF VALVE	C4820013401	0.5	1.5
A70-S	ENGINE PRIMING SYSTEM		0.5	3.1
A73-A	VALVE, ENGINE OIL QUICK DRAIN (NET CHANGE)	1701015-1	0.0	- -
	B. LANDING GEAR & ACCESSORIES			
B01-R-1	WHEEL, BRAKE & TIRE ASSY, 6.00-6 MAIN (2)	C1630183-0201	40.3*	46.8*
	WHEEL ASSEMBLY, MCCAULEY (EACH)	C1633005-0101	7.4	47.1
	BRAKE ASSEMBLY, MCCAULEY (LEFT)	C1630323-0111	1.7	43.7
	BRAKE ASSEMBLY, MCCAULEY (RIGHT)	C1630323-0112	1.7	43.7
	TIRE, 4-PLY BLACKWALL (EACH)	C2520033-0101	8.5	47.1
	TUBE (EACH)	C2520233-0102	1.8	47.1
B01-R-2	WHEEL, BRAKE & TIRE ASSY, 6.00-6 MAIN (2)	1241156-45	37.6*	46.8*
	WHEEL ASSY, CLEVELAND 40-113 (EACH)	C1633001-0101	6.2	47.1
	BRAKE ASSY, CLEVELAND 30-75A (LEFT)	C1630331-0111	1.9	43.7
	BRAKE ASSY, CLEVELAND 30-75A (RIGHT)	C1630331-0112	1.9	43.7
	TIRE, 4-PLY BLACKWALL (EACH)	C2520033-0101	8.5	47.1
	TUBE (EACH)	C2520233-0102	1.8	47.1
B04-R-1	WHEEL & TIRE ASSY, 5.00-5 NOSE	C1630183-0101	8.7*	-10.8*
	WHEEL ASSY, MCCAULEY	C1630053-0201	3.4	-10.8

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	TIRE, 4 PLY BLACKWALL	C262003-0102	4.0	-10.8
	TUBE	C262023-0101	1.2	-10.8
B04-K-2	WHEEL & TIRE ASSY, 5.00-5 NOSE	1241156-2	8.7*	-10.8*
	WHEEL ASSY, CLEVELAND 40-77	1241156-12	3.0	-10.8
	TIRE, 4-PLY BLACKWALL	C262003-0102	4.0	-10.8
	TUBE	C262023-0101	1.2	-10.8
B10-A	WHEEL FAIRINGS (SET OF 3)	0541225	18.0*	35.3*
	NOSE WHEEL FAIRING	0543079	4.1	-9.5
	MAIN WHEEL FAIRING (EACH)	0541223	5.9	49.5
	BRAKE FAIRINGS (EACH)	0441227	0.6	50.5
	C. ELECTRICAL SYSTEMS			
C01-K	BATTERY, 24 VOLT, 14 AMP HR	C614001-0105	22.8	-5.5
C01-O	BATTERY, 24 VOLT, 17 AMP HR	C614001-0105	24.8	-5.5
C04-K	ALTERNATOR CONTROL UNIT WITH HIGH & LOW VOLTAGE SENSING	C611005-0101	0.4	0.5
C07-A	GROUND SERVICE RECEPTACLE	0401025	2.1	-1.9
C16-A	PITOT HEATER	0422355	0.6	21.5
C22-A	POST LIGHTS	0413577	0.5	18.0
C25-A	MIC SWITCH & MAP LIGHT CONTROL WHEEL MTD	0470117-1	0.2	22.5
C28-A	MAP LIGHT, DOOR POST MOUNTED	0470423	0.3	23.0
C43-A	LIGHT INSTALLATION, OMNIFLASH BEACON	0405003-1	1.3*	193.7*
	BEACON LIGHT IN FIN TIP	C621001-0106	0.4	217.2
	FLASHER POWER SUPPLY IN AFT TAILCONE	C554502-0102	0.5	173.9
	RESISTOR (MEMCOR)	OR95-5	0.2	183.4
C49-A	LIGHT INSTALLATION, WING TIP STROBE	0401009-1	3.1*	37.8*
	STROBE LIGHTS IN WING TIP (SET OF 2)	C622006-0101	0.2	35.5
	FLASHER POWER SUPPLIES IN TIPS (SET OF 2)	C622038-0102	2.3	39.5
C49-A-1	LANDING LIGHT INSTALLATION--SINGLE BULB	0401022	1.0	-28.3
C49-A-2	LANDING & TAXI LIGHT INSTL. DUAL BULB	0401022	1.8	-28.3
	D. INSTRUMENTS			
D01-K	INDICATOR, AIRSPEED	C661064-0107	0.6	17.2
D01-O	INDICATOR, TRUE AIRSPEED	0513279	0.7	17.3
D07-R	ALTIMETER, SENSITIVE	C661071-0101	1.0	17.6

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
D07-0-1	ALTIMETER, SENSITIVE (20 FT MARKINGS) (FEET AND MILLIBARS)	C661025-0102	1.0	17.6
D07-0-2	ALTIMETER, SENSITIVE (50 FT. MARKINGS) (FEET AND MILLIBARS)	C661071-0102	1.0	17.6
D16-A-1	ENCODING ALTIMETER (INCLUDES RELOCATION OF CONVENTIONAL ALTIMETER)	0401013	2.9	17.0
D16-A-2	ENCODING ALTIMETER, FEET & MILLIBARS (INCLUDES RELOCATION OF CONVENTIONAL ALTIMETER)	0401013	2.9	17.0
D16-A-3	ALTITUDE ENCODER (BLIND, DOES NOT REQUIRE PANEL MOUNTING	0401019	1.5	2.0
D19-R	AMMETER	S-1320-5	0.5	18.0
D25-A	CLOCK INSTALLATION	0430341	0.4*	14.4*
	CLOCK, ELECTRIC	C6645O8-0101	0.3	18.1
D28-R	COMPASS	C6605O1-0102	0.5	20.0
D37-R	INSTRUMENT CLUSTER (LH FUEL & RH FUEL)	C6695ll-0101	0.4	18.0
D40-R	INSTRUMENT CLUSTER (OIL PRES. & OIL TEMP.)	C6695l2-0102	0.4	18.0
D64-A	GYRO INSTALLATION (REQUIRES ITEM A61-A)	0413466-1	6.3*	13.0*
	DIRECTIONAL INDICATOR	C661075	2.5	14.7
	ATTITUDE INDICATOR	C661076	2.2	15.3
D67-A	RECORDER, ENGINE HOUR METER	0431017	0.6	5.2
D82-A	OUTSIDE AIR TEMPERATURE INDICATOR	C668507-	0.1	22.0
D85-R	TACHOMETER INSTALLATION, ENGINE		1.0*	12.5*
	RECORDING TACH INDICATOR	C668022-0119	0.6	17.0
	TACH FLEXIBLE SHAFT	S-1635	0.3	2.0
D88-A-1	INDICATOR, TURN COORDINATOR (24 VOLT ONLY)	C661003-0505	1.3	17.2
D88-A-2	INDICATOR, TURN COORDINATOR (10-30 VOLT)	C661003-0506	1.3	17.2
D91-A	INDICATOR, RATE OF CLIMB	C661080-0101	1.0	18.0
	E. CABIN ACCOMMODATIONS			
E05-R	SEAT, PILOT INDIVIDUAL SLIDING	0414084	11.1	45.2
E05-O	SEAT, VERTICALLY ADJUSTABLE, PILOT	0414085	17.0	45.2
E07-S	SEAT, CO-PILOT INDIVIDUAL SLIDING	0414084	11.1	45.2
E07-O	SEAT, VERTICALLY ADJUSTABLE, CO-PILOT	0414085	17.0	45.2
E09-A	SEAT INSTALLATION, AUXILIARY	0430134-1	10.5*	66.5*
	UPPER BACK REST CUSHION	0711080-1	1.3	72.9
	LOWER SEAT CUSHION ASSEMBLY	0430136-9	6.4	64.5
	LAP BELT ASSEMBLY	S-1746-2	1.0	66.0
E15-R	BELT ASSY, PILOT LAP	S-2275-104	1.0	39.0

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
E15-S	SHOULDER HARNESS ASSY, PILOT	S-2275-232	1.0	39.0
E19-D	SHOULDER HARNESS INERTIA INSTL., PILOT & CO-PILOT (NET CHANGE)	0431312-1	1.3	71.1
E23-S	BELT & SHOULDER HARNESS ASSY, CO-PILOT	S-2275-4	2.0	39.0
E39-A	WINDOWS, OVERHEAD CABIN TOP (NET INCREASE)	0413492	0.5	49.0
E55-A	SUN VISORS (SET OF 2)	0413473-1	1.0	27.0
E57-A	WINDOWS, TINTED (SET OF 4, NET CHANGE)	0430324-1	0.0	- -
E65-S	BAGGAGE NET	2015009-2	0.5	84.0
E85-A	DUAL CONTROLS (WHEEL, PEDALS & TOE BRAKES)	0460118-2	4.1	12.1
E95-R	HEATING SYSTEM, CABIN & CARBURETOR AIR (INCLUDES EXHAUST SYSTEM)	0450371	14.0	-22.0
	F. PLACARDS, WARNINGS & MANUALS			
F01-R	OPERATIONAL LIMITATIONS PLACARD VFR-DAY	0405058-1	NEGL	23.0
F01-D-1	OPERATIONAL LIMITATIONS PLACARD VFR-DAY NIGHT	0405058-2	NEGL	23.0
F01-D-2	OPERATIONAL LIMITATIONS PLACARD IFR-DAY NIGHT	0405058-3	NEGL	23.0
F04-R	INDICATOR, STALL WARNING AUDIBLE	0413029	0.5	21.5
F16-R	PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRPLANE FLIGHT MANUAL	D1136-13PH	0.5	- -
	G. AUXILIARY EQUIPMENT			
G04-A	HOOK, TOW (NOT FACTORY INSTALLED)	0500228	0.5	200.0
G07-A	HOISTING RINGS, AIRCRAFT CABIN TOP (NOT FACTORY INSTALLED)	0541115	2.0	42.0
G13-A	CORROSION PROOFING, INTERNAL	0430027-2	4.5	68.0
G16-A	STATIC DISCHARGERS (SET OF 10)	0431315	0.4	117.6
G19-A	STABILIZER ABRASION BOOTS	0500341	2.5	179.4
G22-A	TOW BAR, AIRCRAFT NOSE WHEEL (STOWED)	0501019-1	1.6	84.0
G25-S	PAINT, OVERALL EXTERIOR	0404032	9.4*	79.3*
	OVERALL BASE WHITE		8.7	79.0
	COLOR STRIPE		0.4	86.4
G31-A	CABLES, CORROSION RESISTANT CONTROL (NET CHANGE)	0430027	0.0	- -
G34-A	LIGHTER, CIGARETTE	0401023	0.1	18.0
G49-D	WING TIPS, MODIFIED CONICAL (NET CHANGE)	0523565	2.5	41.0

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
355-A	FIRE EXTINGUISHER, HAND TYPE	0401001	3.0	9.5
356-A	STEPS & HANDLES, REFUELING ASSIST	0413456-2	2.1	9.9
357-A	PEDAL EXTENSIONS, RUDDER, REMOVABLE - SET OF 2 (STOWABLE - INSTALLED ARM SHOWN)	0701048	2.3	8.0
358-A	WINTERIZATION KIT INSTALLATION, ENGINE	0401024	0.5*	-20.9*
	COVER PLATES, FWD COWL (SET OF 2 INSTALLED)	- -	0.1	-33.0
	COVER PLATES, FORWARD COWL (STOWED)	- -	0.1	84.0
	CRANKCASE BREATHER TUBE INSULATION	- -	0.2	-12.0
392-A	WINGS WITH 39 GALLON CAPACITY, EXTENDED RANGE FUEL TANKS, (NET CHANGE)	0401018	5.9	37.3
	F. AVIONICS & AUTOPILOTS			
401-A	CESSNA 300 ADF	3910159-11	7.3*	18.2*
	RECEIVER WITH BFO (R-546E)	41240-0101	2.3	13.5
	INDICATOR (IN-346A)	40980-1001	0.9	15.5
	ANTENNA INSTALLATION	0470400-621	0.2	96.5
	LOOP ANTENNA INSTALLATION	3960104-1	1.4	24.2
	CABLE INSTALLATION	3950104-14	1.8	12.3
	MISC. INSTALLATION COMPONENTS		0.6	14.4
407-A	CESSNA 400 GLIDESLOPE WITH ILS INDICATOR EXCHANGED FOR LOC INDICATOR	3910157-10	4.1*	76.8*
	RECEIVER (R-443B)	42100-0000	2.1	105.3
	MOUNTING, RIGID	36450-0000	0.3	105.3
	ANTENNA	1200098-2	0.2	20.4
	INCLUDES AUTOCOURSE (IND. NET CHANGE)			
413-A	CESSNA 400 MARKER BEACON	3910104-13	2.2*	33.4*
	RECEIVER (R-402A)	42410-5114	0.8	11.7
	ANTENNA, L SHAPED ROD	0770661-1	0.6	66.0
416-A-1	CESSNA 300 TRANSPONDER	3910127-1	3.6*	18.6*
	TRANSCEIVER (RT-359A)	41420-1128	2.7	13.0
	ANTENNA (A-1093)	41530-0001	0.1	67.0
416-A-2	CESSNA 400 TRANSPONDER (EXPORT USE)	3910128-20	3.6*	18.6*
	TRANSCEIVER (RT-459A)	41470-1128	2.8	13.0
	ANTENNA (A-1093)	41530-0001	0.1	67.0
422-A-1	CESSNA 300 NAV/COM, 720 CH COM 1ST UNIT	3910163	13.4*	32.2*
	RECEIVER-TRANSCEIVER (RT-385A)	46660-1100	5.5	13.6
	VOR/LOC INDICATOR (IN-385A)	40880-1000	1.6	15.5
	H34-A BASIC AVIONICS KIT	3910186-1	5.3	60.2

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	MOUNT, WIRING & MISC HARDWARE	- -	1.0	12.9
H22-A-2	CESSNA 300 NAV/COM, 720 CHANNEL 1ST UNIT	3910163	13.6*	32.0*
	RECEIVER-TRANSCEIVER (RT-385A)	46660-1100	5.5	13.6
	VOR/LOC INDICATOR (IN-385AC)	46860-1200	1.8	15.5
	H34-A BASIC AVIONICS KIT	3910166-1	5.3	60.2
	MOUNT, WIRING & MISC HARDWARE		1.0	12.4
H25-A-1	CESSNA 300 NAV/COM, 720 CHANNEL 2ND UNIT WITH VOR/LOC	3910163	9.1*	15.7*
	RECEIVER-TRANSCEIVER (RT-385A)	46660-1100	5.5	13.6
	VOR/LOC INDICATOR (IN-385A	46860-1000	1.6	15.5
	H37-A ANTENNA & COUPLER KIT	3910186	1.0	30.6
	MISC 2ND UNIT ITEMS		1.0	13.0
H28-A-1	EMERGENCY LOCATOR TRANSMITTER	0470419-1	2.0*	102.4*
	TRANSMITTER (D & M DMELT-6)	C589511-0117	1.8	102.6
	ANTENNA	C589511-0109	0.1	101.3
H28-A-2	EMERGENCY LOCATOR TRANSMITTER (USED IN CANADA)	0470419-2	2.0*	102.4*
	TRANSMITTER (D & M DMELT-6C)	C589511-0113	1.8	102.6
	ANTENNA	C589511-0109	0.1	101.3
H34-A	BASIC AVIONICS KIT	3910166	5.3*	60.2*
	RADIO COOLING	3930152-1	1.0	15.6
	NOISE FILTER (AUDIO)(ON ALTERNATOR)	3940148-1	0.1	-25.0
	LH COM ANTENNA CABLE	3950104-3	0.4	20.2
	OMNI ANTENNA CABLE	3950104-4	0.9	105.0
	OMNI ANTENNA INSTALLATION	3960102-9	0.5	223.9
	VHF L.H. COM ANTENNA	3960113-1	0.4	55.9
	MICROPHONE INSTALLATION	3970117-1	0.3	18.2
	AUDIO CONTROL	3970145	0.4	14.0
	CABIN SPEAKER INSTL	3970123-6	1.1	51.1
	HEADPHONE INSTALLATION	3970125-1	0.2	17.2
H37-A	COM ANTENNA & OMNI COUPLER KIT (AVAILABLE ON 2ND UNIT NAV/COM FACTORY INSTL ONLY)		1.0*	30.6*
	RH COM ANTENNA INSTALLATION		0.4	55.9
	RH COM ANTENNA CABLE		0.4	20.2
	OMNI COUPLER (SIGNAL SPLITTER) & CABLE	S-2086-1	0.2	1.0
H55-A	PADDED HEADPHONE-MIKE ASSY, INCLUDES ALL-PURPOSE CONTROL WHEEL	C596330-0101	1.1	- -

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	J. SPECIAL OPTION PACKAGES			
J01-A	152-II PACKAGE EQUIPMENT		32.1*	26.1*
	A61-A VACUUM SYSTEM (FOR GYROS)	0413466-2	2.8	-5.2
	C43-A OMNI FLASHING BEACON	0406003-1	1.3	193.7
	C49-A-1 LANDING LIGHT SINGLE BULB	0401022	1.0	-28.3
	D64-A GYRO INSTALLATION	0413466	6.3	13.0
	D82-A OUTSIDE AIR TEMPERATURE IND	C668507-0101	0.1	22.0
	D88-A TURN COORDINATOR	C661003-0505	1.3	17.2
	D91-A RATE OF CLIMB IND.	C661083-0101	0.7	17.3
	E55-A SUN VISORS	0413473-1	1.0	27.0
	E85-A DUAL CONTROLS	0460118-2	4.1	12.1
	G34-A CIGARETTE LIGHTER	9910220-1	0.1	18.0
	H22-A-1 CESSNA 300 NAV/COM RT-385A	3910183	13.4	32.2
J04-A	152 II NAV-PAC EQUIPMENT		12.7*	16.5*
	H16-A-1 CESSNA 300 TRANSPONDER RT-359A	3910127	3.6	18.6
	H25-A-1 RT-385A 2ND UNIT	3910183	9.1	15.7