SECTION 6
WEIGHT & BALANCE/ EQUIPMENT LIST

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INTRODUCTION

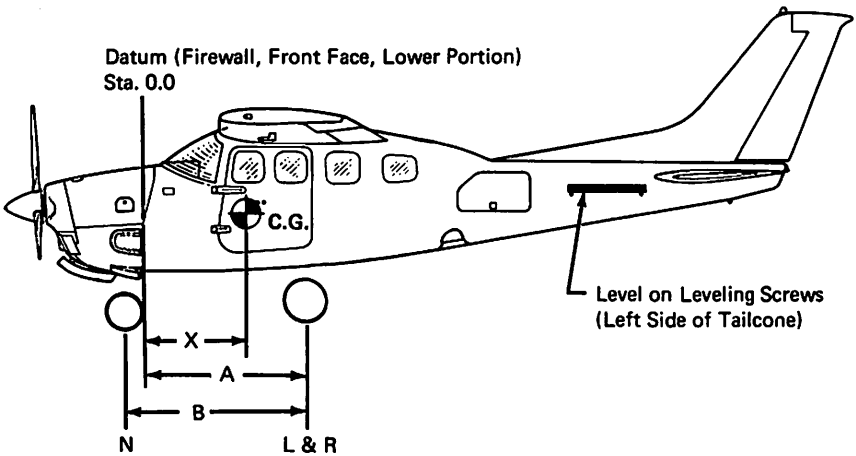
This section describes the procedure for establishing the basic empty weight and moment of the airplane. Sample forms are provided for reference. Procedures for calculating the weight and moment for various operations are also provided. A comprehensive list of all Cessna equipment available for this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

It should be noted that specific information regarding the weight, arm, moment and installed equipment for this airplane as delivered from the factory can only be found in the plastic envelope carried in the back of this handbook.

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 use sampler cup at quick-drain valve in reservoir to drain all fuel.
   c. Service engine oil as required to obtain a normal full indication (10 quarts on dipstick).
   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 (minimum scale capacity, 1000 pounds).
   b. Deflate the nose tire and/or lower or raise the nose strut to properly center the bubble in the 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: Unusable Fuel (3 Gal at 6 Lbs/Gal)	18	38.0	0.7
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
			As Delivered								

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 Loading 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 or baggage area limitations). 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.

BAGGAGE LOADING

The baggage compartment consists of two areas. The forward compartment (area A) is immediately aft of the wheel well and extends aft to station 152. The baggage load in this area is limited to 200 pounds. The aft

compartment (area B) is an elevated shelf that starts at station 152 and extends aft to station 166. The baggage load in this area is limited to 80 pounds. The maximum allowable combined weight capacity for baggage areas A and B is 200 pounds.

LOADING ARRANGEMENTS

* Pilot or passenger center of gravity on adjustable seats positioned for average occupant. Numbers in parentheses indicate forward and aft limits of occupant center of gravity range.

**Baggage area center of gravity.

NOTES:

1. The usable fuel C.G. arm is located at station 43.0.
2. The aft baggage wall (approximate station 166) can be used as a convenient interior reference point for determining the location of baggage area fuselage station.

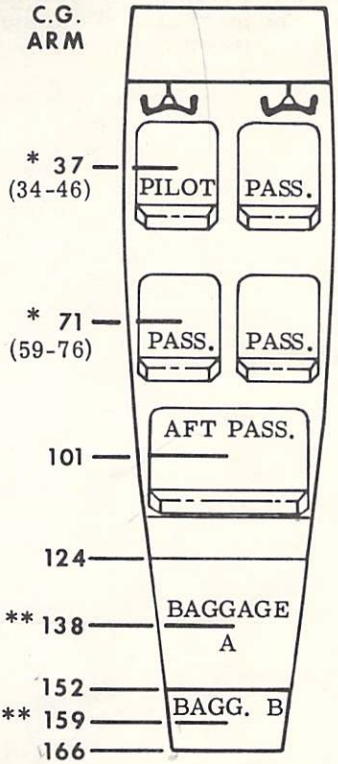
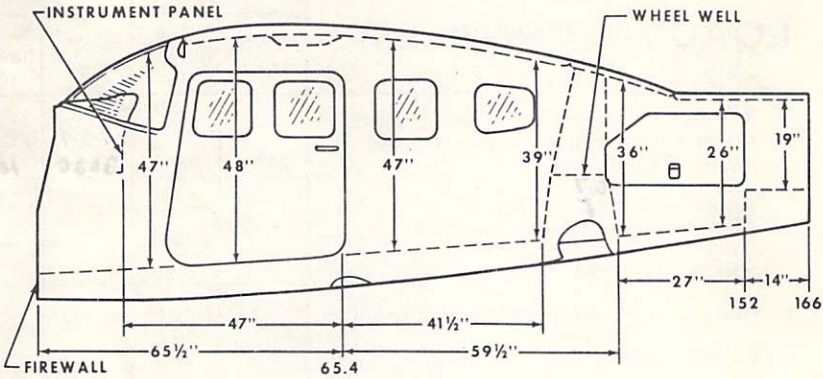


Figure 6-3. Loading Arrangements

CABIN HEIGHT MEASUREMENTS



DOOR OPENING DIMENSIONS

	WIDTH (TOP)	WIDTH (BOTTOM)	HEIGHT (FRONT)	HEIGHT (REAR)
CABIN DOOR	31"	36"	40"	38½"
BAGGAGE DOOR	19"	28½"	8½"	14¾"

WIDTH
• LWR WINDOW LINE
* CABIN FLOOR

CABIN WIDTH MEASUREMENTS

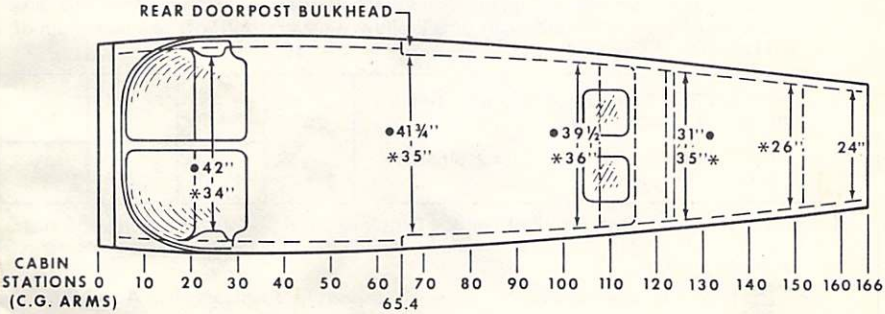


Figure 6-4. Internal Cabin Dimensions

N6413W

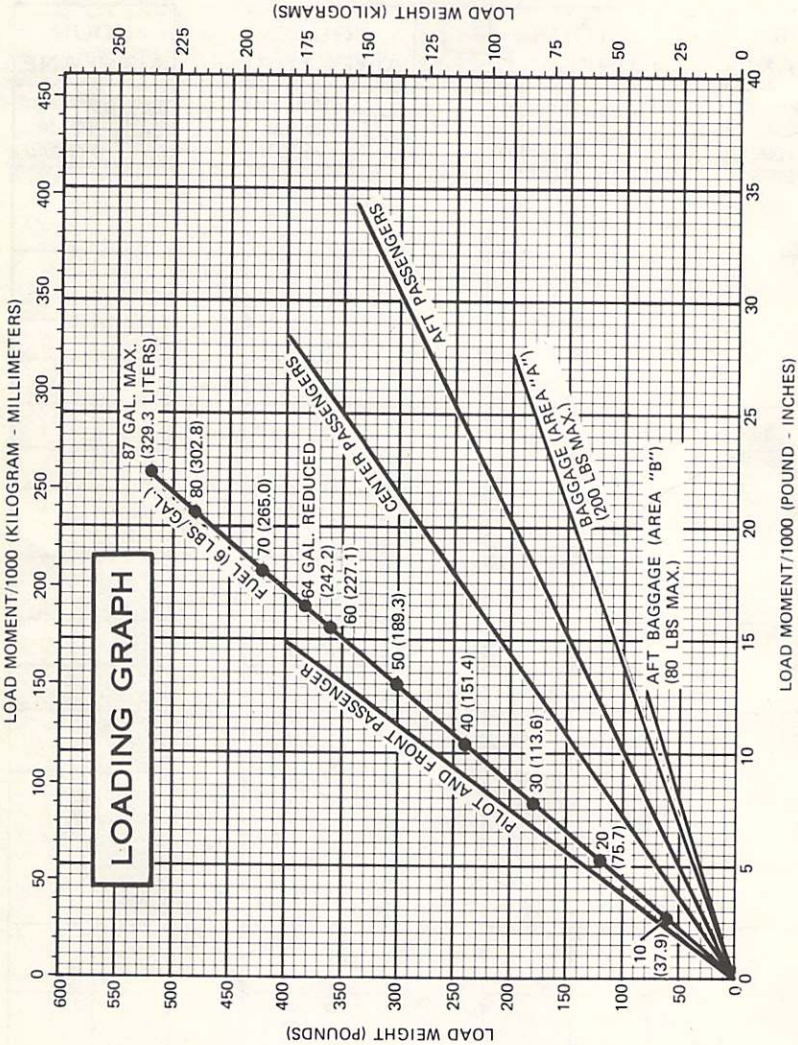
SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	2496	101.8	2624	105.3
2. Usable Fuel (At 6.7 Lbs./Gal.) Standard Tanks (87 Gal. Maximum) . . .				
Reduced Fuel (64 Gal.)	384	16.5		
3. Pilot and Front Passenger (Station 34 to 46) .	340	12.6		
4. Center Passengers (Station 59 to 76)	340	24.1		
5. Aft Passengers	340	34.3		
6. *Baggage (Area "A") (Station 124 to 152) 200 Lbs. Max. . .	92	12.7		
7. *Baggage - Aft (Area "B") (Station 152 to 166) 80 Lbs. Max. . . .	24	3.8		
8. RAMP WEIGHT AND MOMENT	4016	205.8		
9. Fuel allowance for engine start, taxi and runup	-16	-.7		
10. TAKEOFF WEIGHT AND MOMENT (Subtract step 9 from step 8)	4000	205.1		
11. Locate this point (4000 at 205.1) on the Center of Gravity Moment Envelope. Since this loading falls within the shaded area of the moment envelope, proceed with steps 12, 13 and 14. If the computed loading point falls within the clear area of the moment envelope, no further steps are required and the loading is assumed satisfactory for take-off and landing provided that flight time is allowed for fuel burn-off to a maximum of 3800 pounds before landing.				
12. Estimated Fuel Burn-Off (Climb and Cruise) (43 Gallons at 6 Lbs./Gal.)	-258	-11.1		
13. Subtract step 12 from step 10 for estimated airplane landing weight	3742	194.0		
14. Locate this point (3742 at 194.0) on the Center of Gravity Moment Envelope. Since this point falls within the overall envelope, the loading may be assumed acceptable for landing. *The maximum allowable combined weight capacity for baggage areas A and B is 200 lbs.				

Figure 6-5. Sample Loading Problem (Sheet 1 of 2)

YOUR AIRPLANE		YOUR AIRPLANE		YOUR AIRPLANE		YOUR AIRPLANE	
Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)

When several loading configurations are representative of your operations, it may be useful to fill out one or more of the above columns so that specific loadings are available at a glance.

Figure 6-5. Sample Loading Problem (Sheet 2 of 2)



NOTE: Lines representing adjustable seats show 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

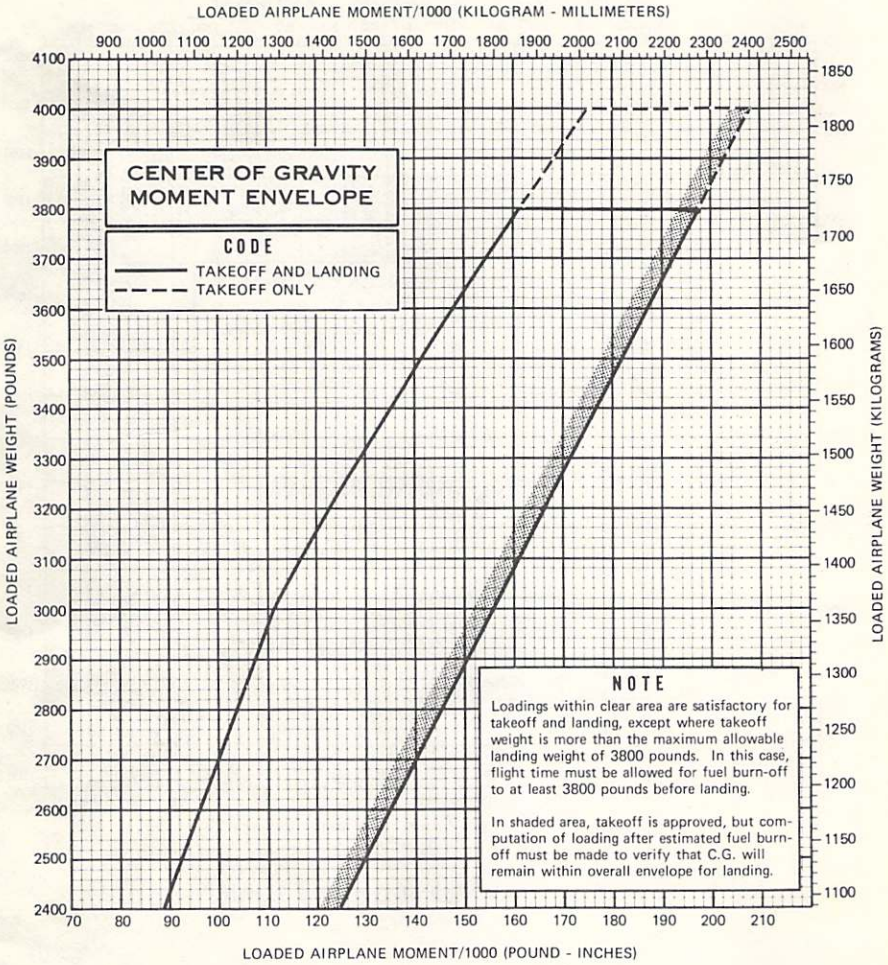


Figure 6-7. Center of Gravity Moment Envelope

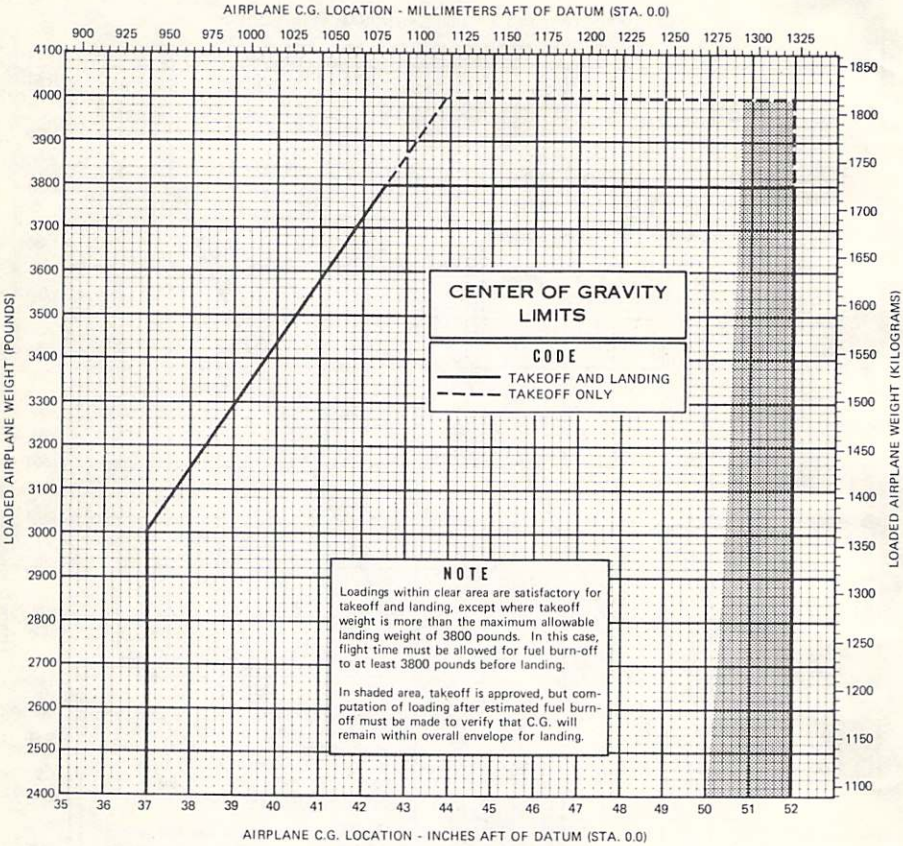


Figure 6-8. Center of Gravity Limits

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.

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	A. POWERPLANT & ACCESSORIES			
A01-R	ENGINE, CONTINENTAL TSIO 520	2150125	454.3*	-17.7*
	-TWO MAGNETOS W/IMPULSE COUPLINGS	SLICK 662	12.9	-12.5
	-OIL COOLER	10634D	4.2	-18.5
	-12 18MM X 3/4 20-3A SPARK PLUGS	SL 350C	3.1	-19.5
	-STARTER, 24 VOLT PRESTOLITE	TCM 634433	17.8	-5.0
A05-R	FILTER ENGINE AIR INDUCTION	C294510-0801	1.0	-8.7
A09-R	ALTERNATOR, 28 VOLT 60 AMP	C611503-0102	10.7	-4.7
A09-0-1	ALTERNATOR INSTL., 95 AMP (NET CHANGE)	1201192-6	4.8*	-5.0*
	-ALTERNATOR, 95 AMP & 28 VOLT, ADDED	C611505-0101	15.2	-4.4
	-ALTERNATOR, 60 AMP & 28 VOLT, DELETED	C611503-0102	-10.7	-4.7
	-MISC. HARDWARE		0.3	-5.0
A09-0-2	SECOND ALTERNATOR INSTALLATION, WT NET CHG	1201189-3	19.6*	-34.0*
	-ALTERNATOR, 60 AMP	C611503	10.7	-35.4
	-SHEAVE PLATE	D40205	4.1	-37.0
	-BELT	N7365	0.3	-37.0
	-BRACKET & MISC. ITEMS		4.5	-27.7
A21-S	OIL FILTER INSTL., SPIN-ON-ELEMENT	1656025-3	2.6*	-5.0*
	-ADAPTER ASSEMBLY	1250922-4	1.5	-5.3
	-FILTER ASSEMBLY	C294507-0102	1.1	-4.8
A33-R	PROPELLER 3 BLADE MCCAULEY MODEL NO.--D3A34C402/90 DFA-10	C161007-0101	73.0	-44.0
A37-R	GOVERNOR, PROPELLER (MCCAULEY C290-D4/T2)	C161032-0101	3.0	-35.5
A41-R	SPINNER, PROPELLER	1250419	3.5	-44.5
A41-0	SPINNER, POLISHED	1250419-14	3.5	-44.5
A45-R	TURBOCHARGER ASSEMBLY	C295001-0202	31.3	-14.0
A49-R	TURBOCHARGER WASTE GATE VALVE ASSEMBLY	C165006-0114	3.8	-24.0

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
A53-R	TURBOCHARGER CONTROLLER	C165004-0702	1.3	2.5
A57-R	TURBOCHARGER OVERBOOST RELIEF VALVE	C482002-0108	1.2	-6.8
A61-S	VACUUM SYSTEM, SINGLE PUMP	2101003-2	4.5*	1.1*
	-VACUUM PUMP	C431003-0102	1.9	-6.1
	-RELIEF VALVE	C482001-0701	0.3	5.1
	-SUCTION GAGE	C668540-0101	0.3	18.5
	-GYRO FILTER	1201075	0.3	12.5
	-MISC. ITEMS		1.8	3.3
A61-D	DUAL VACUUM PUMP INSTALLATION	2101053-1	8.8*	1.1*
	-VACUUM PUMPS (2)	C431003-0102	3.8	-6.1
	-SUCTION GAGE	C668519-0104	0.3	18.5
	-RELIEF VALVE	C482001-0602	0.7	5.1
	-GYRO FILTER	1201075	0.3	12.5
	-HOSES & MISC. ITEMS		2.7	7.4
A70-A	ENGINE PRIMING SYSTEM, MANIFOLD 2 POINT	2101010-4	0.8	5.7
	B. LANDING GEAR & ACCESSORIES			
B01-R-1	WHEEL, BRAKE & TIRE ASSY., 6.00X6 MAIN (2)	-.-	40.2*	64.3*
	-WHEEL ASSY., CLEVELAND 40-75B (EACH)	C163001-0301	7.8	64.0
	-BRAKE ASSY., CLEVELAND 30-52 (LEFT)	C163030-0315	3.0	66.5
	-BRAKE ASSY., CLEVELAND 30-52 (RIGHT)	C163030-0316	3.0	66.5
	-TIRE, 8 PLY RATED (EACH)	C262003-0208	8.0	64.0
	-TUBE (EACH)	C262023-0102	1.3	64.0
B01-R-2	WHEEL, BRAKE & TIRE ASSY., 6.00X6 MAIN (2)	C163019B0207	41.6*	64.3*
	-WHEEL ASSY., MCCAULEY (EACH)	C163006-0103	8.4	64.0
	-BRAKE ASSY., MCCAULEY (LEFT)	C163032-0209	3.1	66.5
	-BRAKE ASSY., MCCAULEY (RIGHT)	C163032-0210	3.1	66.5
	-TIRE, 8 PLY RATED (EACH)	C262003-0208	8.0	64.0
	-TUBE (EACH)	C262023-0102	1.3	64.0
B04-R	WHEEL & TIRE ASSY., 5.00X5 NOSE, MCCAULEY	C163018B0107	10.3*	-7.4*
	-WHEEL ASSY, MCCAULEY	C163005-0201	3.8	-7.4
	-TIRE, 10 PLY RATED	C262003-0211	5.1	-7.4

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-TUBE	C262023-0101	1.4	-7.4
	C. ELECTRICAL SYSTEMS			
C01-R	BATTERY, 24 VOLT HEAVY DUTY (STD)	C614001-0106	24.8	2.0
C04-R	ALTERNATOR CONTROL UNIT WITH HIGH AND LOW VOLTAGE SENSING	C611005-0101	0.4	3.4
C07-A	GROUND SERVICE PLUG RECEPTACLE	1270621-2	1.9	-3.9
C10-A	ELECTRIC ELEVATOR TRIM INSTALLATION -VOLTAGE REGULATOR -DRIVE ACTUATOR ASSY.	1260671-2 C611003-0101 1260153-1	4.1* 0.2 3.3	216.7* 215.2 220.0
C19-0-1	HEATING SYSTEM, STALL SENSOR & PITOT HEAD (NET CHANGE)	1201093-1	0.2	26.3
C19-0-2	HEATED PITOT & STALL WARNING SENSOR USED WITH KNOWN ICING CONDITION J46-A, NET CHG.	1201093-3	0.7	27.4
C22-A	LIGHTS INSTL., INSTRUMENT POST (SET OF 18)	2101009	0.5	19.5
C23-A	LIGHTS, INSTRUMENT PANEL, ELECTROLUMIN-ESCENCE	2101009-4	2.3	18.0
C25-S	LIGHT INSTALLATION, CONTROL WHEEL MAP (INSTALLED WITH ITEMS E89-S)	1270747	0.1	22.5
C31-A	LIGHT INSTL., COURTESY UNDERWING LH	2101015-1	0.3	51.4
C40-A	DETECTORS, NAVIGATION LIGHT (SET OF 2)	1221201-1,-2	NEGL	-.-
C43-A	LIGHT INSTALLATION, OMNIFLASH BEACON -BEACON LIGHT IN FIN TIP -FLASHING POWER SUPPLY (IN FIN TIP)	1201049-1 C621001-0102 C594502-0102	1.6* 0.4 0.7	226.0* 253.0 253.1
C46-A	LIGHTS INSTL., WING TIP STROBE -FLASHING POWER SUPPLY	1201129-1 C622008-0102	3.3* 2.3	38.9* 39.9

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-STROBE LIGHTS IN WING TIP (SET OF 2)	C622006-0107	0.2	38.7
C49-S	LIGHTS, COWL MOUNTED LANDING & TAXI -LIGHT BULBS (SET OF 2)	2113000 GE 4591	2.0* 1.0	-30.0* -34.5
C57-A	TAIL ILLUMINATION LIGHT	1231069-1	1.7	226.0
C61-A	LIGHT INSTALLATION, ICE DETECTOR (WING)	2101005-1	0.6	9.6
C73-A	LIGHT, CABIN FLOOD (WHITE)	2101014-1	0.2	70.0
	D. INSTRUMENTS			
D01-R	INDICATOR, AIRSPEED	C661064-0221	0.7	18.0
D01-O	TRUE AIRSPEED INDICATOR	1201108-13	0.8	18.0
D04-R	INSTRUMENT AIR ALTERNATE STATIC SOURCE	2100004	0.3	39.2
D07-R	ALTIMETER, SENSITIVE	C661071-0201	0.9	18.0
D07-O-1	ALTIMETER, SENSITIVE (FEET & MILLIBARS)	C661071-0202	0.9	18.0
D07-O-2	ALTIMETER, SENSITIVE (35,000 FT, 20 FT. MARKINGS & USED IN SOME FOREIGN COUNTRIES)	C661025-0102	0.7	18.0
D10-A	ALTIMETER, 2ND INSTRUMENT (R.H. SIDE)	2101013-9	1.1	17.5
D16-A-1	ALTIMETER, ENCODING (REQUIRES RELOCATION OF REGULAR ALTIMETER)	2101013-7	3.0	16.0
D16-A-2	ALTIMETER, ENCODING (REQUIRES RELOCATION OF REGULAR ALTIMETER) (FEET & MILLIBARS)	2101013-8	3.0	16.0
D16-A-3	ALTITUDE ENCODER, BLIND (INSTRUMENT PANEL INSTALLATION NOT REQUIRED) -ENCODER	2101011-2 C744001-0102	1.6* 1.3	16.6* 15.5
D16-A-4	ALTITUDE ALERT INSTALLATION	3910216-8	4.1*	17.4*

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-ENCODING ALTIMETER	2101013-13	2.7	17.5
	-ALTITUDE ALERTER	43310-0000	0.7	18.7
	-CABLES & MISC. ITEMS		0.7	15.7
D25-S	ELECTRIC CLOCK	C664508-0102	0.3	18.0
D25-O	ELECTRIC CLOCK, DIGITAL READ OUT	C664511-0102	0.3	18.0
D28-R	COMPASS, MAGNETIC	C660501-0102	0.5	20.0
D38-R	GAGE, FUEL QUANTITY (IN LOWER PEDESTAL)	C669562-0107	0.5	20.0
D41-R	GAGE, CYLINDER HEAD & OIL TEMPERATURE	C669561-0102	0.5	18.2
D43-R	GAGE, AMMETER & OIL PRESSURE	C669560-0102	0.5	18.2
D49-S	INDICATOR INSTL., TURBINE INLET TEMP.	2154020-1	0.6*	10.8*
	-T.I.T INDICATOR	C668501-0301	0.3	18.3
	-THERMOCOUPLE LEAD WIRE	C668501-0303	0.1	-0.3
	-THERMOCOUPLE PROBE, ALCOR 01-005-A44	C668501-0204	0.1	-18.0
D52-O	FUEL COMPUTER/CLOCK INSTALLATION	2101057	0.7	13.5
D55-R	GAGE, MANIFOLD PRESSURE AND FUEL FLOW	C662037-0207	1.0	17.5
D64-S	GYRO UNSLAVED INSTL., 400B NAV-O-MATIC (USE FOR H31-S)	2101001-4	5.4*	15.1*
	-ATTITUDE INDICATOR	37570-0105	2.3	16.0
	-DIRECTIONAL INDICATOR	40760-0104	2.7	15.0
	-HOSES & MISC. HARDWARE		0.4	11.2
D64-O-1	GYRO SLAVED INSTL., 400B NAV-O-MATIC (USE FOR H31-O-1)	2101001-7	6.0*	15.1*
	-ATTITUDE INDICATOR (HG)	37570-0105	2.3	16.0
	-DIRECTIONAL INDICATOR (DG)	44760-0000	3.3	15.0
	-HOSES & MISC. HARDWARE		0.4	11.2
D64-O-2	GYRO SLAVED HSI INSTL., 400B NAV-O-MATIC (USE FOR H31-O-2)	2101001-8	7.7*	15.1*
	-ATTITUDE INDICATOR	37570-0105	2.3	16.0
	-HORIZONTAL SITUATION IND.	44690-0000	5.0	15.0
	-HOSES & MISC. HARDWARE		0.4	11.2

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
D64-0-3	GYRO UNSLAVED HSI, 400B NAV-O-MATIC (USE FOR H31-0-3)	2101001-10	7.2*	15.1*
	-ATTITUDE INDICATOR	37570-0105	2.3	16.0
	-HSI GYRO	44690-2000	4.5	15.0
	-HOSES & MISC. ITEMS		0.4	11.2
D64-0-4	GYRO INSTALLATION, 400B IFCS (USE FOR H31-0-4)	2101001-6	8.5*	15.2*
	-HSI GYRO	44690-0000	5.0	15.0
	-ADI GYRO	44670-0000	3.1	16.0
	-HOSES & MISC. ITEMS		0.4	11.2
D67-A	HOURMETER INSTALLATION	2100010-1	0.5	9.8
D82-S	GAGE, OUTSIDE AIR TEMPERATURE	C668507-0104	0.1	26.5
D85-R	TACHOMETER, RECORDING	C668020-0108	0.6	17.5
D88-S-1	INDICATOR TURN COORDINATOR (24 VOLT ONLY)	C661003-0507	1.3	17.8
D88-S-2	INDICATOR, TURN COORDINATOR (10-30 VOLT)	C661003-0506	1.3	17.8
D88-0	INDICATOR, TURN AND BANK	S1303-2	1.0	17.5
D91-S	INDICATOR, VERTICAL SPEED	C661080-0102	1.0	17.5
	E. CABIN ACCOMMODATIONS			
E01-A	ARM RESTS (2) 1ST ROW REMOVABLE INBOARD	1214121-1	1.5	37.0
E02-A	ARM RESTS (2) 2ND ROW REMOVABLE INBOARD	1214121-2	1.5	71.0
E05-R	SEAT, PILOT, INFINITE VERTICAL ADJUST	1214175-4	23.5	44.0
E05-0	SEAT, PILOT ARTICULATING VERTICAL ADJUST WITH LUMBAR SUPPORT	1214175-10	25.4	39.5
E07-S	SEAT, CO-PILOT FIXED HEIGHT, ARTICULATING	1214175-6	18.5	44.0

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
E07-0-1	SEAT, CO-PILOT FIXED HEIGHT, ARTICULATING WITH LUMBAR SUPPORT	1214175	19.4	44.0
E07-0-2	SEAT, CO-PILOT VERTICAL ADJUST. AND ARTICULATING	1214175-11	24.3	39.5
E07-0-3	SEAT, CO-PILOT VERTICAL ADJUST. AND ARTICULATING W/LUMBAR SUPPORT	1214175-12	25.4	39.5
E09-S	SEATS, TWO 2ND ROW INDIVIDUAL	1214174	37.5	73.0
E11-S	SEAT, TWO PLACE 3RD ROW BENCH	2114017-2	23.4	104.5
E15-R	SEAT BELT ASSY, PILOT	S-2275-103	1.0	37.0
E15-S	SHOULDER HARNESS ASSY, PILOT	S-2275-201	0.6	37.0
E19-A	INERTIA REEL INSTALLATION, 1ST ROW SEAT BELT & SHOULDER HARNESS (WT NET CHG.)	1201057-2	0.6	89.1
E23-S	BELT & SHOULDER HARNESS ASSY, CO-PILOT	S-2275-3	1.6	37.0
E27-S	BELTS ASSY, 2ND ROW OCCUPANT LAP (SET OF 2)	S-1746-25	2.0	71.0
E27-0	BELTS & SHOULDER HARNESS ASSY., 2ND ROW OCCUPANT LAP (SET OF 2)	S-2275-5	3.2	71.0
E29-S	BELTS ASSY., 3ND ROW OCCUPANTS (SET OF 2)	S-1746-17	2.0	101.0
E29-0	BELTS & HARNESS ASSY., 3RD ROW (SET OF 2)	S-2275-32	3.2	101.0
E34-0	UPHOLSTERY, LEATHER SIDEPANELS NET CHANGE		2.0	65.0
E35-0-1	LEATHER SEAT COVERING, FULL COVER 6 PLACE (ADDS WEIGHT OF 0.5 LB. PER SEAT)		3.0	73.1
E35-0-2	LEATHER SEAT COVERING, PART COVER 6 PLACE		1.5	73.1
E47-A	OXYGEN SYSTEM, SOLID STATE GENERATOR WITH APPROXIMATELY 15 MINUTES USE	2100001-1	5.6*	59.1*

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-OXYGEN GENERATORS (2 USED) WT. EACH -OXYGEN MASKS FOR 6 PEOPLE IN OVERHEAD CONSOLE AREA (STOWED)	C166025-0102 C166025-0104	1.7 2.2	58.0 63.5
E49-A-1	BEVERAGE CUP HOLDER, RETRACTABLE, PILOT	1201124-1	0.1	17.0
E49-A-2	BEVERAGE CUP HOLDER, RETRACTABLE, CO-PILOT	1201124-2	0.1	17.0
E50-A	HEADREST, FRONT ROW (EACH)	1215073	0.9	48.0
E51-A	HEADREST, 2ND ROW (EACH)	1215073	0.9	82.0
E59-A	APPROACH PLATE HOLDER	0715083-1	0.1	22.0
E85-A	CONTROLS INSTALLATION, DUAL RIGHT SIDE WHEEL, PEDAL & TOE BRAKES	1260004-8	7.3	14.1
E88-A	AIR CONDITION SYSTEM INSTALLATION -COMPRESSOR & CLUTCH -CONDENSER COIL -EVAPORATOR COIL (SET OF 2) -BRACKETS, HOSES, BOXES & MISC. ITEMS	2101029-1 C413001-0111 C413010-0101 C413011-0101	65.3* 20.2 10.3 3.2 31.6	50.9* -31.2 172.3 49.1 63.9
E89-S	CONTROL WHEEL ALL PURPOSE (NET CHG)	1270747-1	NEGL	-.-
	F. PLACARDS, WARNINGS & MANUALS			
F01-R	PLACARD, OPERATIONAL LIMITATIONS VFR, DAY	2105015-1	NEGL	-.-
F01-0-1	PLACARD, OPERATIONAL LIMITATIONS VFR, DAY-NIGHT	2105015-2	NEGL	-.-
F01-0-2	PLACARD, OPERATIONAL LIMITATIONS IFR, DAY-NIGHT	2105015-3	NEGL	-.-
F01-0-3	PLACARD, FLIGHT INTO KNOWN ICING CONDITION	2105015-5	NEGL	-.-
F07-R	STALL & GEAR WARNING BLACKBOX (REQUIRES ITEM H61-R FOR AUDIBLE OPERATION)	1270733-2	0.5	41.0

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
F10-S	PILOT'S CHECK LIST (STOWED)	D6097	0.3	-.-
F16-R	PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRCRAFT FLIGHT MANUAL (STOWED) (LOCATED AT BACK OF PILOT SEAT)	D1228-13PH	1.5	49.5
	G. AUXILIARY EQUIPMENT			
G13-A	CORROSION PROOFING, INTERNAL	1260100-1	10.0	70.0
G16-A	STATIC DISCHARGERS INSTL. (SET OF 10)	1201131-3	0.4	154.8
G19-A	STABILIZER ABRASION BOOTS	0500041-3	2.7	202.0
G22-S	TOW BAR, TELESCOPING HANDLE (STOWED)	1200008-8	2.0	138.0
G25-S	PAINT, OVERALL EXTERIOR -OVERALL WHITE BASE -COLORED STRIPE	2104004-2	13.1* 12.7 0.4	90.8* 91.5 67.0
G31-O	CONTROL CABLES, CORROSION RESISTANT (WT. NET CHANGE)	1260417-10	NEGL	-.-
G55-A	FIRE EXTINGUISHER, HAND TYPE	1201177-2	3.0	35.0
G61-A	WRITING TABLE, MOUNTED ON BACK PILOT OR CO-PILOT SEAT) (WT. EACH)	1715072-1	5.5	61.5
G67-A	EXTENSIONS RUDDER PEDAL, REMOVABLE, (SET OF 2) (STOWABLE - INSTALLED ARM SHOWN, NOT FACTORY INSTALLED)	0501082-1	2.3	8.0
G76-A-1	DE-ICE SYSTEM INSTL., WING & STABILIZER (INCLUDED DUAL VAC. PUMP TO OPERATE)	2101056-3	28.3	56.3
G76-A-2	DE-ICE SYSTEM INSTL., WING, STABILIZER & VERTICAL FIN (INCLUDED DUAL VAC. PUMP AND USED WITH J46-A KNOWN ICING CONDITIONS)	2101056-1	29.2	63.7

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
G76-A-3	DE-ICE PARTIAL PLUMBING INSTALLATION	2101056-2	4.2	48.9
G79-A	DE-ICE SYSTEM, 3 BLADE PROPELLER	1201188	5.1*	-22.0*
	-TIMER	C165020-0101	0.9	9.0
	-SLIP RING	D40106	1.7	-37.0
	-BRUSH BLOCK	C40187	0.3	-36.2
	-WIRING & HARDWARE		2.2	-21.2
G82-A-1	WINDSHIELD ANTI-ICE SYSTEM INSTALLATION	1201060-5	2.1*	9.2*
	-REMOVABLE HEATING PANEL (INSTALLED ARM SHOWN)	1513460-6	1.9	9.0
G82-A-2	WINDSHIELD ANTI-ICE SYSTEM INSTALLATION (USED WITH J46-A KNOWN ICING CONDITION)	2101019-2	2.7	17.1
	H. AVIONICS & AUTOPILOTS			
H01-A-1	CESSNA 300 ADF INSTALLATION, R-546E	3910159-21	7.5*	27.4*
	-RECEIVER WITH BFO, R-546E	41240-0001	3.3	12.5
	-INDICATOR, IN-346A	40980-1001	0.9	17.0
	-LOOP ANTENNA	41000-1000	1.4	50.0
	-SENSE ANTENNA INSTALLATION	3960115-2	0.3	142.4
	-ADF MOUNT, CABLES & MISC. HARDWARE	3950137	1.6	22.7
H01-A-2	CESSNA 400 ADF INSTL., R-446A W/BFO	3910160-17	7.5*	27.0*
	-RECEIVER, R-546E	43090-1028	3.3	12.5
	-INDICATOR, IN-346A	40980-1001	0.9	17.0
	-LOOP ANTENNA	41000-1000	1.4	50.0
	-SENSE ANTENNA INSTL.	3960115-2	0.3	142.4
	-ADF MOUNT, CABLES & MISC. HARDWARE	3950137	1.6	22.7
H02-A	RMI INSTALLATION, WITHOUT CRS DATUM REQUIRES AN ADF, SLAVING SYSTEM SLAVED GYROS AND AUTOPILOT WITH BOOTSTRAP SLAVING ACCESSORY BE INSTALLED	3910204-2	8.7*	69.2*
	-RMI REMOTE INDICATOR, IN-404A	46450-0404	2.1	17.0
	-REMOTE GONIOMETER (RMI IND. DRIVER)	41950-0001	1.3	15.0
	-DYNAVERTER	47550-0000	5.4	97.0

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-ADF INDICATOR DELETED	40980-1001	-0.9	17.0
	-WIRING & MISC. HARDWARE		0.8	40.6
H03-A	AM-FM STEREO & CASSETTE RECEIVER AND PLAYER INSTALLATION WITH 2 HEADSETS	3910209-6	5.4*	31.0*
	-RECEIVER/TAPE PLAYER INSTL.	3930211-1	2.7	15.0
	-HEADSETS (2 LISTED, 4 MAY BE USED)	C596532-0101	2.0	37.0
	-ANT., WIRING & MISC. HARDWARE		0.7	57.4
H04-A-1	CESSNA 400 DME INSTL. W/300 OR 400 NAV/COM	3910167-20	16.4*	101.7*
	-CONTROL UNIT, C-476A	44020-1000	1.6	14.5
	-REMOTE TRANSCEIVER UNIT, RTA-476A	44000-0000	9.0	120.5
	-ANTENNA	42940-0000	0.2	173.0
	-BAGGAGE SCREEN INSTL.	2115050-1	1.8	120.0
	-COOLING, WIRING & MISC. HARDWARE		3.8	80.9
H04-A-2	COLLINS DME-450C INSTALLATION (RQD BAGGAGE SCREEN INSTL.)	3910213-17	8.5*	88.3*
	-INDICATOR, IND-450C	622-5588-001	0.6	14.0
	-TRANSCEIVER, TCR-451	622-3670-001	5.3	159.0
	-ANTENNA, ANT-451	622-4011-001	0.2	31.3
	-WIRING & MISC. HARDWARE		3.1	155.3
H05-A-1	CESSNA R-NAV INSTL. W/300 OR 400 NAV/COMS AND 300 SERIES INDICATORS (WT. NET CHANGE)	3910168-19	4.6*	13.8*
	-R-NAV COMPUTER, RN-478	44100-0000	3.8	14.2
	-INDICATOR, IN-442AR ADDED	43910-1000	1.0	16.5
	-NAV/COM INDICATOR DELETED	46860-1000	-1.6	16.5
	-MOUNT, WIRING & MISC. HARDWARE		1.4	14.1
H05-A-2	CESSNA R-NAV INSTL. W/400 NAV/COM AND IN-1048AC EXCHANGE W/IN-485AC (WT NET CHG)	3910168	4.8*	13.8*
	-R-NAV COMPUTER, RN-478	44100-0000	3.8	14.2
	-INDICATOR, IN-1048AC ADDED	46880-1310	1.5	16.5
	-NAV-COM INDICATOR DELETED	46870-1300	-1.9	16.5
	-MOUNT, WIRING & MISC. HARDWARE		1.4	13.5
H05-A-3	COLLINS ANS-351C R-NAV INSTALLATION	3910214-9	3.8*	14.3*
	-R-NAV, ANS-351C	622-5579-001	3.3	15.0
	-INDICATOR, IN-485AC DELETED	46870-1300	-1.6	16.5
	-INDICATOR, IN-1048AC ADDED	46880-1310	1.5	16.5
	-WIRING & MISC. HARDWARE		0.2	12.1

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
H07-A-1	CESSNA 400 GLIDESLOPE, IN-386A ILS IND. EXCHG W/IN-385A VOR/LOC (1ST & 2ND UNIT)	3910157-14	3.9*	78.4*
	-RECEIVER, R-443B	42100-0000	2.1	99.3
	-VOR/ILS INDICATOR, IN-386A ADDED	46860-2000	1.7	16.5
	-VOR/LOC INDICATOR, IN-385A DELETED	46860-1000	-1.6	16.5
	-COUPLER ANTENNA (NET CHANGE)	S2473-1	NEGL	-.-
	-WIRING & MISC. HARDWARE		1.4	48.1
H07-A-2	CESSNA 400 GLIDESLOPE, IN-486AC ILS IND. EXCHG W/IN-485AC VOR/LOC (1ST & 2ND UNIT)	390157-17	3.9*	78.4*
	-RECEIVER, R-443B	42100-0000	2.1	99.3
	-INDICATOR, IN-486AC ADDED	46870-2300	2.0	16.5
	-INDICATOR, IN-485AC DELETED	46870-1300	-1.9	16.5
	-COUPLER ANTENNA (NET CHG)	S2473-1	NEGL	-.-
	-WIRING & MISC. HARDWARE		1.4	48.1
H08-A-1	NAV. INDICATOR ARC/LOC EXCHG WITH VOR/LOC (USE FOR H22-A-1 & H22-A-2, WT. NET CHG)	3910196-1	0.2*	16.5*
	-ARC/LOC IN-385AC AUTO RADIAL CENTERING ADDED	46860-1200	1.8	16.5
	-VOR/LOC IN-385A DELETED	46860-1000	-1.6	16.5
H08-A-2	NAV. INDICATOR ARC/ILS EXCHG WITH VOR/ILS (USE FOR H07-A-1 & H07-A-2, WT. NET CHG)	3910196-2	0.1*	16.5*
	-ARC/ILS IN-386AC ADDED	46860-2200	1.8	16.5
	-VOR/ILS IN-386A DELETED	46860-2000	-1.7	16.5
H11-A	SUNAIR SINGLE SIDE BAND INSTL., ASB-125 (REQUIRED BAGGAGE SCREEN INSTALLATION)	3910158-41	23.9*	82.5*
	-ANTENNA LOAD BOX	99816	4.9	116.0
	-TRANSCEIVER, SSB	99681	5.3	13.5
	-POWER SUPPLY & SHOCK MOUNT	99391	8.5	116.0
	-HF ANTENNA INSTL.	3960117-1	0.3	118.6
	-WIRING & MISC. HARDWARE	3950137-24	4.9	60.5
H13-A	CESSNA 400 MARKER BEACON INSTL.	3910164	2.5*	88.0*
	-REMOTE RECEIVER, R-402A	42410-5128	0.7	11.5
	-ANTENNA INSTL., FLUSH MTD IN TAIL	3960126-2	0.9	206.9
	-WIRING & MISC. HARDWARE		0.9	51.6
H14-A	RADAR ALTIMETER INSTL., BONZER BZ-25	3910225-1	3.5*	28.9*

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-INDICATOR	104-0184-00	1.0	18.7
	-VOLT. CONVERTER	104-0186-00	0.5	14.6
	-ANTENNA	104-0183-00	1.0	46.7
	-WIRING & HARDWARE		1.0	28.5
H15-A-1	WEATHER COLOR RADAR INSTL., BENDIX-RDR-160	3910207-15	27.9*	28.4*
	-INDICATOR (VIEWING SCREEN), IN-2026A	4001294-2601	9.5	12.2
	-RADAR ANTENNA-TRANSCEIVER, ART-161	4001018-6105	9.3	34.4
	-RADOME & WING POD ASSEMBLY	2170300-1	6.1	43.9
	-CABLES & MISC. HARDWARE		3.0	30.1
H15-A-2	WEATHER RADAR INSTL., BENDIX RDR-160 (B&W)	3910179-4	23.5*	31.5*
	-INDICATOR (VIEWING SCREEN), IN-152A	4000946-5201	5.1	12.2
	-RADAR ANTENNA-TRANSCEIVER, ART-161	4001018-6101	9.3	34.4
	-RADOME AND WING POD	2170300-1	6.1	43.9
	-ELECTRICAL CABLES & MISC. HARDWARE		3.0	30.1
H15-A-3	WEATHER RADAR INSTL., RCA SCOUT II (B & W)	3910207-4	22.6*	31.9*
	-INDICATOR (VIEWING SCREEN) & MOUNT	MI585256-1	4.6	12.2
	-RADAR ANTENNA-TRANSCEIVER	MI585264	8.9	34.4
	-RADOME AND WING POD ASSEMBLY	2170300-1	6.1	43.9
	-ELECTRICAL CABLES & MISC. HARDWARE		3.0	30.1
H16-A	CESSNA 400 TRANSPONDER INSTALLATION	3910128-26	3.8*	17.1*
	-TRANSCEIVER, RT-459A	41470-1028	2.7	11.5
	-ANTENNA	42940-0000	0.2	38.4
	-CABLES & MISC. HARDWARE		0.9	28.9
H22-A-1	CESSNA 300 NAV/COM 720 CH COM INSTALLATION	3910183	8.3*	13.7*
	1ST & 2ND UNITS W/300 SERIES INDICATORS			
	REQUIRES--H34-A TO OPERATE 1ST UNIT			
	H37-A TO OPERATE 2ND UNIT			
	-RECEIVER-TRANSCEIVER, RT-385A	46660-1000	5.5	13.5
	-VOR/LOC INDICATOR, IN-385A	46860-1000	1.6	16.5
	-MOUNT, WIRING & MISC. HARDWARE		1.2	10.7
H22-A-2	CESSNA 400 NAV/COM 720 CH COM INSTALLATION	3910189	8.3*	13.7*
	1ST & 2ND UNITS W/300 SERIES INDICATORS			
	REQUIRES--H34-A TO OPERATE 1ST UNIT			
	H37-A TO OPERATE 2ND UNIT			
	-RECEIVER-TRANSCEIVER, RT-485A	47360-1000	5.5	13.5
	-VOR/LOC INDICATOR, IN-385A	46860-1000	1.6	16.5

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-MOUNT, WIRING & MISC. ITEMS		1.2	10.7
H22-A-3	CESSNA 400 NAV/COM 720 CH COM INSTALLATION 1ST & 2ND UNITS W/400 SERIES INDICATORS REQUIRES--H34-A TO OPERATE 1ST UNIT H37-A TO OPERATE 2ND UNIT	3910189	8.5*	13.7*
	-RECEIVER-TRANSCEIVER, RT-485A	47360-1000	5.5	13.5
	-VOR/LOC INDICATOR, IN-485AC	46870-1300	1.8	16.5
	-MOUNT, WIRING & MISC. ITEMS		1.2	10.7
H22-A-4	CESSNA 400 NAV/COM W/RT-485B TRANSCEIVER REQUIRES--H34-A TO OPERATE 1ST UNIT --H37-A TO OPERATE 2ND UNIT	3910222-16	8.3*	13.7*
	-RECEIVER-TRANSCEIVER, RT-485B	49250-1000	5.5	12.5
	-VOR/LOC INDICATOR, IN-385A	46860-1000	1.6	16.5
	-WIRING & MISC. HARDWARE		1.2	10.7
H28-A-1	EMERGENCY LOCATOR TRANSMITTER	0470419-25	3.5*	159.0*
	-TRANSMITTER, D & M DMELT-6-1	C589511-0117	3.3	160.1
	-ANTENNA, CABLES & HARDWARE	C589511-0109	0.2	142.5
H28-A-2	EMERGENCY LOCATOR TRANSMITTER (USED IN CANADA)	0470419-26	3.5*	159.0*
	-TRANSMITTER, D & M DMELT-6-1C	C589511-0113	3.3	160.1
	-ANTENNA, CABLES & HARDWARE	C589511-0109	0.2	142.5
H31-S	CESSNA 400B NAV-O-MATIC PROVISION	3910154-130	46.3*	68.1*
	-ROLL ACTUATOR INSTL.	1200237-11	4.2	56.2
	-PITCH ACTUATOR INSTL.	1200248-3	4.2	154.7
	-PITCH TRIM ACTUATOR	1200249-1	2.3	220.5
	-ACCESS UNIT INSTALLATION	3930200-1	1.0	15.0
	-CONTROLLER	37960-1028	1.6	18.0
	-SWITCH	45569-0125	0.1	18.0
	-ACCELERATION SENSOR	46780-0000	0.5	30.6
	-COMPUTER-AMPLIFIER	42680-0007	5.8	98.0
	-ALTITUDE SENSOR	44400-0000	2.3	97.5
	-FILTER	41260-0000	1.1	92.4
	-D64-S GYRO UNSLAVED	2101001-4	5.4	15.1
	-A61-S VACUUM, SINGLE PUMP	2101003-2	4.5	1.1
	-CABLES & MISC. ITEMS	3950139	13.2	53.8
H31-O-1	CESSNA 400B NAV-O-MATIC, SLAVED	3910197-11	2.9*	36.6*

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-CONTROL INSTL, (NET CHG)	3930202-2	NEGL	-.-
	-FLUX DETECTOR	3940200-2	0.8	44.9
	-SLAVING ACCESS INSTL.	3940229-1	0.6	49.4
	-D64-0-1 GYRO SLAVED (NET CHG)	2101001-7	0.6	15.1
	-SLAVED CABLES	3950139	0.9	35.1
H31-0-2	CESSNA 400B NAV-0-MATIC, HSI SLAVED	3910197-19	6.6*	42.7*
	-CONTROL INSTL. (NET CHG)	3930202-3	NEGL	-.-
	-FLUX DETECTOR	3940200-2	0.8	44.9
	-SLAVING ACCESS INSTL.	3940229-1	0.6	49.4
	-CONVERTER INSTALLATION	3940236-2	1.1	98.0
	-D64-0-2 GYRO SLAVED HSI (NET CHG)	2101001-8	2.3	15.1
	-SLAVED HSI CABLES (NET CHG)	3950139	1.8	40.8
H31-0-3	CESSNA 400B NAV-0-MATIC, UNSLAVED HSI	3910197-26	4.2*	50.8*
	-CONTROL INSTL. (NET CHG)	3930202-7	NEGL	-.-
	-CONVERTER INSTALLATION	3940236-2	1.1	98.0
	-D64-0-3 GYRO UNSLAVED HSI (NET CHG)	2101001-10	1.8	15.1
	-UNSLAVED HSI CABLES (NET CHG)	3950139	1.3	60.2
H31-0-4	CESSNA 400B IFCS INSTL., SLAVED HSI	3910198	14.4*	30.4*
	-ACCESS UNIT	3930200-4	1.0	15.0
	-CONTROL INSTL. (NET CHG)	3930201-1	NEGL	-.-
	-FLUX DETECTOR	3940200-2	0.8	44.9
	-SLAVING ACCESS	3940229-2	0.6	49.4
	-CONVERTER INSTL.	3940236-2	1.1	98.0
	-D64-0-4 GYRO, 400B IFCS (NET CHG)	2101001-6	3.1	15.1
	-HARDWARE & IFCS WIRING (NET CHG)	3950139	7.8	26.0
H31-0-5	CESSNA 400B IFCS W/ALTITUDE ALERT OPTION	3910198-6	18.5*	27.5*
	-H31-0-4 400B IFCS	3910198	14.4	30.4
	-D16-A-4 ALTITUDE ALERT	3910216-8	4.1	17.4
H33-A	INTERCOM SYSTEM INSTALLATION	3910210-12	2.9*	15.0*
	REQUIRES—E85-A DUAL CONTROL			
	-JACK FOR INTERPHONE, RH	3970150-5	0.3	18.0
	-H56-A HEADPHONE & MIKE (2)	C596531-0101	2.2	13.0
	-INTERCOM, P/C BOARD ASSY	3970149-1	0.2	14.0
	-CONTROL WHEEL INSTL. RH	3970153-12	0.3	19.0
H34-A	BASIC AVIONICS KIT INSTALLATION	3910186-15	6.3*	56.5*
	(REQUIRED W/IST UNIT NAV/COM INSTL.)			

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-1ST NAV/COM TRANSCEIVER KIT	3930186-6	0.1	16.8
	-NOISE FILTER INSTALLATION	3940148-1	0.1	-2.0
	-OMNI ANTENNA INSTALLATION	3960142-6	0.6	250.6
	-VHF COM ANTENNA INSTL., LH WING	3960113-1	0.5	50.7
	-AUDIO CONTROL PANEL	3970152-1	1.8	13.0
	-HEADPHONE INSTALLATION	3970138-4	0.2	17.6
	-MICROPHONE INSTALLATION	3970143-1	0.3	16.4
	-BUS BAR INSTALLATION	3930178-10	0.1	25.0
	-RADIO COOLING INSTL.	3930207-3	1.1	12.7
	-OMNI ANTENNA CABLE	3950137-1	0.8	139.3
	-COM ANTENNA CABLE	3950137-4	0.5	34.8
	-ANTENNA ADAPTER	3960139-4	0.2	7.0
	-FUSEHOLDER INSTALLATION	3940247-3	NEGL	-.-
H37-A	COM ANTENNA & OMNI COUPLER KIT INSTL. (REQUIRED W/2ND UNIT NAV/COM INSTL.)	3910185-13	1.1*	41.2*
	-OMNI ANTENNA COUPLER INSTL.	3960111-13	0.2	11.5
	-VHF COM ANTENNA INSTL., RH WING	3960113-2	0.5	50.6
	-2ND NAV/COM TRANSCEIVER KIT	3930186-7	0.1	16.8
	-VHF COM CABLE ASSY, RH	3950137-5	0.5	34.8
	-ANT. ADAPTER FOR 1ST COM DELETED	3960139-4	-0.2	7.0
H46-A	ADF ANTI-PRECIP ANTENNA INSTALLATION	3910154-101	0.7	94.7
H49-A	BALANCED LOOP ANTENNA INSTALLATION (EXCHANGED W/OMNI ANT., WT. NET CHG.)	3910154-139	2.2*	244.0*
	-DUAL LOOP ANTENNA, ADDED	C598505-0101	2.3	245.4
	-OMNI ANT. KIT, DELETED	C598504-0101	-0.4	243.0
	-MISC. HARDWARE		0.3	231.9
H52-A	HEADREST, 3RD ROW (WT. EACH)	1215073	0.9	112.0
H55-A	HEADSET-MICROPHONE INSTALLATION	C596533-0101	0.3	17.6
H56-A	HEADSET-MICROPHONE, PADDED (STOWED) (WT. EACH)	C596531-0101	1.1	-.-
H61-R	GEAR WARNING & CABIN SPEAKER	C596510-0101	1.9	45.8
H64-A	AVIONICS OPTION 'A' (FOR EXPORT ONLY)	3910206-21	3.9*	81.7*
	-RADIO COOLING INSTALLATION	3930198-1	1.0	5.5
	-OMNI ANTENNA CABLE INSTL.	3950137-1	0.8	139.3

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	-VHF COM ANT. CABLE INSTL.	3950137-4	0.5	34.8
	-OMNI ANTENNA INSTALLATION	3960142-6	0.5	250.6
	-VHF COM ANT. INSTL., LH	3960113-1	0.5	50.7
	-HEADPHONE INSTALLATION	3970138-4	0.2	17.6
	-MICROPHONE INSTALLATION	3970143-1	0.3	16.4
H67-A	AVIONICS OPTION 'B' (FOR EXPORT ONLY)	3910206-22	5.1*	71.2*
	-VHF COM ANT. CABLE INSTL., RH	3950137-5	0.5	34.8
	-VHF OMNI ANT. COUPLER (2ND NAV/COM)	3960111-13	0.2	11.5
	-VHF COM ANT. INSTALLATION, RH	3960113-2	0.5	50.6
	-AVIONICS OPTION 'A' INCLUDED	3910206-21	3.9	81.7
H70-A	REMOTE TRANSPONDER IDENT SWITCH, CONTROL WHEEL MOUNTED	3910205-6	0.2	17.0
	J. SPECIAL OPTION PACKAGES			
J01-A	PRESSURIZED 210 CENTURION II PACKAGE	- -	55.0*	46.7*
	-C07-A GROUND SERVICE RECEPTACLE	1270621-2	1.9	-3.9
	-C19-0-1 HEATED PITOT & STALL SENSOR	1201093-1	0.2	26.3
	-C22-A INSTRUMENT POST LIGHTS	2101009-1	0.5	19.5
	-C31-A COURTESY ENTRANCE LIGHTS	2101015-1	0.3	51.4
	-C40-A NAVIGATION LIGHT DETECTORS	1221201-1,-2	NEGL	-.-
	-C43-A OMNI FLASHING BEACON	1201049-1	1.6	226.0
	-D01-0 TRUE AIRSPEED IND. (NET CHG)	1201108-13	0.1	18.0
	-E07-0-2 VERT. ADJUT RH SEAT (NET CHG)	1214175	5.8	25.1
	-E85-A DUAL FLIGHT CONTROLS	1260004-8	7.3	14.1
	-G16-A STATIC DISCHARGERS (SET OF 10)	1201131-3	0.4	154.8
	-G25-S EXTERIOR STYLING (NET CHG)	2104004-2	NEGL	-.-
	-H01-A-1 CESSNA 300 ADF, R-546E	3910159-21	7.5	27.4
	-H07-A-1 400 GLIDESLOPE	3910157-22	3.9	78.4
	-H13-A 400 MARKER BEACON	3910164-27	2.5	88.0
	-H16-A 400 TRANSPONDER, RT-459A	3910128-26	3.8	17.1
	-H22-A-1 300 NAV/COM W/300 IND 1ST UNIT	3910183-32	8.3	13.7
	-H28-A-1 E.L.T. INSTALLATION	0470419-25	3.5	159.4
	-H34-A BASIC AVIONICS KIT	3910186-15	6.3	56.5
	-H37-A ANTENNA & COUPLER KIT	3910185-13	1.1	41.2
J46-A	FLIGHT INTO KNOWN ICING CONDITIONS	1200254-2	38.7*	48.6*

ITEM NO	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS
	(RQS--95 AMP ALT. OR 60 AMP DUAL ALT. WHICH ARE NOT INCLUDED IN WEIGHT)			
	-C19-O-2 HEATED PITOT & STALL SENSOR	1201093-3	0.7	27.4
	-C61-A ICE DETECTOR LIGHT INSTAL.	2101005-1	0.6	9.6
	-G16-A STATIC DISCHARGERS INSTAL.	1201131-3	0.4	154.8
	-G76-A-2 WING, STAB. & VTL FIN DE-ICE	2101056	29.2	63.7
	-G79-A PROPELLER ANTI-ICE INSTAL.	1201188-1	5.1	-22.0
	-G82-A-2 WINDSHIELD ANTI-ICE INSTAL.	2101019	2.7	17.1