

## COMPREHENSIVE EQUIPMENT LIST

The following figure (Figure 6-9) is a comprehensive list of all Cessna equipment which is available for the Model 172R airplane. This comprehensive equipment list provides the following information in column form:

In the **ITEM No.** column, each item is assigned a coded number. The first two digits of the code represent the assignment of the item within the Aircraft Transport Association Specification 100 breakdown (11 for Paint and Placards; 24 for Electrical Power; 77 for Engine Indicating, etc...). These assignments also correspond to the Maintenance Manual chapter breakdown for the airplane. After the first two digits (and hyphen), items receive a unique sequence number (01, 02, 03, etc...). After the sequence number (and hyphen), a suffix letter is assigned to identify equipment as a required item, a standard item or an optional item. Suffix letters are as follows:

- R = required items or 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

In the **EQUIPMENT LIST DESCRIPTION** column, each item is assigned a descriptive name to help identify its function.

In the **REF DRAWING** column, a Cessna drawing number is provided which corresponds to the item.

### NOTE

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

In the **WT LBS** and **ARM INS** columns, information is provided on the weight (in pounds) and arm (in inches) of the equipment item.

### NOTES

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.

Asterisks (\*) in the weight and arm column indicate complete assembly installations. Some major components of the assembly are listed on the lines immediately following. The sum of these major components does not necessarily equal the complete assembly installation.

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ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
<b>11 - PLACARDS AND MARKINGS</b>				
11-01-R	IFR DAY & NIGHT LIMITATIONS PLACARD	0505087-3	0.0	43.0
11-02-S	PAINT, OVERALL EXTERIOR	0504051	19.2*	95.4*
	- OVERALL WHITE		18.4	93.6
	- COLORED STRIP DECALS		0.8	135.9
<b>21 - AIR CONDITIONING</b>				
21-01-S	REAR SEAT AIR VENTS	0513575-1	1.7	60.0
21-02-S	CABIN HEATER SYSTEM	0554001-9	2.5	-4.0
<b>22 - AUTO FLIGHT</b>				
22-02-A	SINGLE AXIS AUTO-PILOT (KAP 140)	065-00176-2602	8.6*	36.8*
	-AUTO-PILOT COMPUTER	065-00179-0300	2.6	12.4
	-ROLL ACTUATOR, WITH MOUNT		3.6	68.5
	-DIRECTIONAL GYRO (EXCHANGE)		0.5	14.0
	-CONFIGURATION MODULE		0.1	12.0
	-CABLE ASSEMBLY		1.4	20.8
<b>23 - COMMUNICATIONS</b>				
23-01-S	STATIC DISCHARGE WICKS (SET OF 10)	0501048-1	0.4	143.2
23-02-S	NAV/COM #1 INSTALLATION NO GS	3930404-1	7.9*	52.7*
	- KX 155A BENDIX/KING NAV/COM w/ GS	066-01032-0201	3.5	12.5
	- KI 208 NAV INDICATOR	066-03056-0002	1.0	13.9
	- VHF COM ANTENNA	3960113-8	0.5	61.2
	- COM ANTENNA CABLE	3921100-1	0.4	26.5
	- OMNI NAV ANTENNA		0.5	253.4
	- OMNI ANTENNA CO-AX CABLE		1.5	123.8
	- HARDWARE AND CABLE ASSEMBLY	3921100-1	0.5*	53.2*
23-03-A	NAV/COM INSTALLATION WITH GS	3930404-1	6.5*	17.1*
	- KX 155A BENDIX/KING NAV/COM w/GS	066-01032-0201	4.0	12.5
	- KI 209 NAV INDICATOR	066-03056-0002	1.2	13.9
	- VHF ANTENNA	3960113-9	0.5	61.2
	- ANTENNA COUPLER	3930403-1	0.2	14.0
	- HARDWARE AND CABLE ASSEMBLY	3921101-1	0.2	3.5
	- CO-AX, COM ANTENNA		0.4	26.5
23-04-S	AUDIO/INTERCOM/MARKER BEACON INSTL	3900003-1	2.5*	19.7*
	- KMA 26 AUDIO SWITCH PANEL	066-01155-0101	1.7	14.8
	- HARDWARE AND CABLE ASSEMBLY	3900003-2	0.8	30.0
23-05-S	BASIC AVIONICS (USED WITH #1 NAV/COM)	3900003-1	11.3*	27.4*
	- MARKER BEACON ANTENNA	3960188-1	0.5	130.7
	- FUSELAGE AUDIO WIRING		7.9	26.5
	- MICROPHONE - HANDHELD		0.2	18.0
	- AVN COOLING FAN INSTL		1.2	6.5
	- BASIC CIRCUIT BREAKER PANEL	3930417	0.4	16.5

Figure 6-9. Equipment List Description (Sheet 1 of 7)

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ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
	- AVN GROUND INSTL	3930357	0.2	15.0
	- MISC HARDWARE		0.9	16.0
	<b>24 - ELECTRICAL POWER</b>			
24-01-R	ALTERNATOR, 28 VOLT 60 AMP	9910591-5	10.0	-29.0
24-02-R	BATTERY, 24 VOLT, 12.75 A.H. MANIFOLD TYPE	C614002-0101	23.2	-5.0
24-03-R	POWER JUNCTION BOX (PRECISION AIRMOTIVE)	MC01-2A	6.4*	1.0*
	- ALTERNATOR CONTROL UNIT	AC2101	0.2	1.0
	- MASTER CONTACTOR	X61-0007	0.7	1.0
	- STARTER CONTACTOR	X61-0012	0.7	1.0
	- AMMETER TRANSDUCER	CS 3100	0.1	1.0
24-04-S	BASIC AVIONICS KIT INSTALLATION	3900002-1	3.5*	13.1*
	- AVIONICS POWER AND BUS BAR	3930299-1	0.3	17.0
	<b>25 - EQUIPMENT/FURNISHINGS</b>			
25-01-R	SEAT, PILOT, VERTICAL ADJUST, CLOTH	0514211-1	34.3	41.5
25-02-O	SEAT, PILOT, VERTICAL ADJUST, LEATHER	0514211-5	35.0	41.5
25-03-O	SEAT, PILOT, VERTICAL ADJUST, LEATHER/VINYL	0514211-8	34.8	41.5
25-04-S	SEAT, COPILOT, VERTICAL AJUST, CLOTH	0514211-1	34.3	41.5
25-05-O	SEAT, COPILOT, VERTICAL AJUST, LEATHER	0514211-5	35.0	41.5
25-06-O	SEAT, COPILOT, VERTICAL AJUST, LEATHER/VINYL	0514211-8	34.8	41.5
25-07-S	SEAT, REAR, ONE PIECE BACK CUSHION, CLOTH	0514219-1	43.3	79.5
25-08-O	SEAT, REAR, ONE PIECE BACK CUSHION, LEATHER	0514219-2	44.7	79.5
25-09-O	SEAT, REAR, ONE PIECE BACK CUSHION, LEATHER/VINYL	0514219-3	44.3	79.5
25-10-R	SEAT BELT AND SHOULDER HARNESS, INERTIA REEL, PILOT AND COPILOT	504516-401-8013	5.2	54.0
25-11-O	SEAT BELT AND SHOULDER HARNESS, MANUAL ADJUST, PILOT AND COPILOT	504851-401-8013	3.5	54.0
25-11-S	SEAT BELT AND SHOULDER HARNESS, INERTIA REEL, REAR SEAT (SET OF 2)	504516-403-8013	5.2	90.0
25-12-O	SEAT BELT AND SHOULDER HARNESS, MANUAL ADJUST, REAR SEAT (SET OF 2)	504851-403-8013	3.5	90.0
25-13-S	PADDED GLARESHIELD	0514230-1	1.2	21.0
25-14-S	SUN VISORS	0514166-2	1.1	32.8
25-15-S	BAGGAGE RETAINING NET	2015009-7	0.5	95.0
25-16-S	CARGO TIE DOWN RINGS	0515055-6	0.2	95.0
25-17-S	PILOT'S OPERATING CHECKLIST (STOWED IN INSTRUMENT PANEL MAP CASE)	0500832-1	0.3	14.3

Figure 6-9. Equipment List Description (Sheet 2 of 7)

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ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
25-18-R	PILOT'S OPERATING HANDBOOK AND FAA APPROVED AIRPLANE FLIGHT MANUAL (STOWED IN PILOT'S SEAT BACK CASE)	0500832-1	1.2	50.0
25-19-S	FUEL SAMPLING CUP	S2107-1	0.1	14.3
25-20-S	TOW BAR, NOSE GEAR (STOWED)	0501019-1	1.7	124.0
25-21-R	EMERGENCY LOCATOR TRANSMITTER INSTL	3940401-1	3.1*	101.0*
	- ELT TRANSMITTER 3000-11	3940401-1	1.8	113.3
	- ANTENNA AND CABLE ASSY, 3003-45	3940401-1	0.5	122.0
	- HARDWARE	3940401-1	0.1	118.3
	<b>26 - FIRE PROTECTION</b>			
26-01-S	FIRE EXTINGUISHER INSTALLATION	0501011-2	5.3*	43.8*
	- FIRE EXTINGUISHER	C421001-0201	4.8	44.0
	- MOUNTING CLAMP	C421001-0202	0.5	42.2
	<b>27 - FLIGHT CONTROLS</b>			
27-01-S	DUAL CONTROLS INSTL, RIGHT SEAT	0506008-1	5.5*	12.4*
	- CONTROL WHEEL, COPILOT	0513576-2	2.0	26.0
	- RUDDER & BRAKE PEDAL INSTL, COPILOT	0510402-16	1.1	6.8
27-02-S	CONTROL WHEEL MAP LIGHT AND MIC. SWITCH INSTL (INCLUDES PANEL MOUNTED AUXILIARY MIC. JACK)	0560059-1	0.2	22.0
	<b>28 - FUEL</b>			
28-01-R	FUEL QUANTITY INDICATORS, LEFT & RIGHT	S3281-1	0.4	14.4
28-02-R	AUXILIARY FUEL PUMP	5100-00-1	1.9	9.5
	<b>31 - INDICATING/RECORDING SYSTEM</b>			
31-01-S	CLOCK/OAT INDICATOR, DIGITAL	M803B-2-0	0.7	16.5
31-02-S	HOUR RECORDER "HOBBS TIME"	C664503-0103	0.5*	9.1*
31-03-R	ANNUNCIATOR	90-44001-1	0.5	16.0
31-04-R	STALL WARNING INDICATOR - PNEUMATIC	0523112-2	0.4	28.5
	<b>32 - LANDING GEAR</b>			
32-01-R	WHEEL BRAKE AND TIRE, 6.00 X 6 MAIN	0541200-7,-8	34.4*	57.8*
	- WHEEL ASSY, CLEVELAND (EACH)	C163001-0104	6.2	58.2
	- BRAKE ASSY, CLEVELAND (EACH)	C163030-0111	1.8	54.5
	- TIRE, 4-PLY BLACKWALL (EACH)	C262003-0101	7.9	58.2
	- TUBE (EACH)	C262023-0102	1.3	58.2

Figure 6-9. Equipment List Description (Sheet 3 of 7)

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ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
32-03-R	WHEEL AND TIRE, 5.00 X 5 NOSE	0543062-17	9.5*	-6.8*
	- WHEEL ASSY, CLEVELAND	1241156-12	3.5	-6.8
	- TIRE, 6-PLY BLACKWALL	C262003-0202	4.6	-6.8
	- TUBE	C262023-0101	1.4	-6.8
32-03-A	WHEEL FAIRINGS AND INSTALLATION	0541225-1	16.5*	46.1*
	- NOSE WHEEL FAIRING	0543079-3	3.5	-3.5
	- MAIN WHEEL FAIRINGS (SET OF 2)	0541223-1, -2	10.1	61.1
	- BRAKE FAIRINGS (SET OF 2)	0541224-1, -2	1.1	55.6
	- MOUNTING PLATE (SET OF 2)	0541220-1,-2	0.8	59.5
<b>33 - LIGHTS</b>				
33-01-S	COURTESY LIGHTS UNDER WING (SET OF 2)	0521101-8	0.5	61.0
33-02-S	NAVIGATION LIGHT DETECTORS (SET OF 2)	0701013-1,-2	0.0	40.8
33-03-S	FLASHING BEACON LIGHT ON VERTICAL FIN TIP	0506003-6	1.4	204.7
33-04-S	STROBE LIGHT INSTALLATION ON WING TIPS	0501027-6	3.4	43.3
33-05-S	LANDING AND TAXI LIGHT INSTL IN WINGS	0523029-2,-7	2.2	25.3
<b>34 - NAVIGATION</b>				
34-01-R	INDICATOR, AIRSPEED	S3325-1	0.6	16.2
34-02-S	ALTERNATE STATIC AIR SOURCE	0501017-1	0.2	15.5
34-03-R	ALTIMETER WITH 20 FT. MARKINGS, INCHES OF MERCURY	S3328-1	0.9	14.0
34-04-O	ALTIMETER WITH 20 FT. MARKINGS, FEET & MILLIBAR	S3371-1	0.9	14.0
34-05-S	BLIND ALTITUDE ENCODER INSTL	3930402-1	0.9	11.0
34-06-R	COMPASS INSTL, MAGNETIC	0513262-2	0.5	14.0
34-07-S	GYRO, INSTALLATION (REQUIRES 37-01-S)	0501135-1	6.0*	13.0*
	- DIRECTIONAL GYRO	S3330-1	2.3	14.0
	- ATTITUDE GYRO	S3226-1	2.1	14.0
	- HOSE AND MISC HARDWARE	0501135-1	1.5	10.0
34-08-S	TURN COORDINATOR INDICATOR FOR AUTO PILOT	S3291-1	1.2	14.7
34-09-S	VERTICAL SPEED INDICATOR	S3327-1	0.8	15.7
34-10-A	ADF INSTALLATION	3930404-1	10.4*	26.9*
	- KR 87 ADF RECEIVER	066-01072-0014	3.2	12.1
	- KI 227 ADF INDICATOR	066-03063-0000	0.7	15.9
	- ADF ANTENNA	3960187-1	4.2	39.3
	- ADF CABLE ASSEMBLY	3922102-1	2.3	29.0
34-11-A	GPS INSTALLATION	3930404-1	4.4*	15.3*
	- KING GPS-VFR, KLN-89	066-01148-1111	3.3	12.4
	- GPS ANTENNA	3960190-1	0.3	43.5
	- GPS CABLE ASSEMBLY	3928101-1	0.8	14.1

Figure 6-9. Equipment List Description (Sheet 4 of 7)

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ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
34-12-S	MODE C TRANSPONDER INSTL	3930404-1	4.1*	18.7*
	- KT 76C TRANSPONDER	066-01156-0101	2.4	13.5
	- TRANS CAL BLIND ENCODER	3930402-1	0.8	10.9
	- TRANSPONDER ANTENNA	3960191-1	0.2	85.3
	- HARDWARE AND CABLE ASSEMBLY	3923102-1	0.6	28.9
34-13-O	HORIZONTAL SITUATION INDICATOR INSTL (NET WT INCREASE) (REQUIRED 37-01-S)	3900016-1	15.3*	84.1*
	- HSI INDICATOR	066-03046-0007	3.4	13.4
	- GYRO SLAVING ACCESSORY	071-01242-0006	0.3	15.8
	- FLUX DETECTOR INSTL IN LH WING	3940364-1	0.7	52.6
	- REMOTE DIRECTION GYRO - SLAVED	3940365-1	5.1	112.5
	- NAV CONVERTER INSTL	3940366-1	1.6	117.0
	- WIRING	3900016	8.0	60.7
	- STD GYRO INSTL (REMOVED)	0501135	-13.6	3.6
	- GYRO INSTL FOR HSI INSTALLED	0501171-1	11.0	1.6
	- REMOVE #1 NAV INDICATOR		-1.2	13.9
		<b>37 - VACUUM</b>		
37-01-S	VACUUM SYSTEM, ENGINE DRIVEN, DUAL		5.4*	-1.8*
	- VACUUM PUMP, AIRBORNE 211CC	E211CC	1.9	-6.5
	- VACUUM PUMP, AIRBORNE 212CW	E212CW	1.9	-3.9
	- COOLING SHROUD, AIRBORNE 2CDH	2CDH	0.1	-6.5
	- COOLING SHROUD, AIRBORNE 2CDH	2CDH	0.1	-3.9
	- FILTER INSTALLATION	1201075-2	0.3	5.3
	- VACUUM GAGE/AMMETER	S3280-1	0.3	14.3
	- VACUUM RELIEF VALVE	2H3-48	0.3	4.8
	- MANIFOLD	1H5-25	0.5	-0.2
37-02-R	VACUUM GAGE/AMMETER	S3280-1	0.3	14.3
37-03-S	LOW VACUUM WARNING LIGHT, VACUUM PUMP	0506008-1	0.0	16.0
	<b>53 - FUSELAGE</b>			
53-01-S	REFUELING STEPS AND HANDLE INSTL	0513415-2	1.7	16.3
	<b>56 - WINDOWS</b>			
56-01-S	WINDOW, HINGED RIGHT DOOR, OPENABLE	0517001-40	5.8*	48.5*
56-02-R	WINDOW, HINGED LEFT DOOR, OPENABLE	0517001-39	5.8*	48.5*
	<b>57 - WINGS</b>			
57-01-O	HEAVY DUTY FLAPS, (WT SHOWN, NET CHNG)			
	- TWO (2) FLAPS (EXCHANGED)	0523902	2.2	83.2
	- ONE (1) FLAP (EXCHANGED)	0523902	1.1	83.2

Figure 6-9. Equipment List Description (Sheet 5 of 7)

ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
<b>61 - PROPELLER</b>				
61-01-R	PROPELLER ASSY, FIXED PITCH	0550320-14	38.8*	-38.2*
	- PROPELLER, 75 INCH MCCAULEY	1C235/LFA7570	35.0	-38.4
	- PROP SPACER ADAPTER, 3.5 INCH MCCAULEY		3.6	-36.0
61-02-R	SPINNER INSTALLATION, PROPELLER	0550320-14	1.8*	-41.0*
	- SPINNER DOME ASSEMBLY	0550367-1	1.0	-42.6
	- FWD SPINNER BULKHEAD	0552231-2	0.3	-40.8
	- AFT SPINNER BULKHEAD	0550321-10	0.4	-37.3
<b>71 - POWERPLANT</b>				
71-01-R	FILTER, AIR INTAKE, DONALDSON	P198281	0.3	-27.5
71-02-S	WINTERIZATION KIT INSTL (INSTALLED ARM SHOWN)	0501128-3	0.8*	-20.3*
	- BREATHER TUBE INSTALLATION	0552011	0.4	-13.8
	- COWL INLET COVERS (INSTALLED)	0552229-3,-4	0.3	-32.0
	- COWL INLET COVERS (STOWED)	0552229-3,-4	0.3	95.0
71-03-R	ENGINE, LYCOMING IO-360-L2A	0550359-2	297.8*	-18.6*
	- FUEL INJECTOR, PAC RSA-5AD1		7.6	-13.9
	- MAGNETOS & HARNESS, SLICK 4371 (SET OF 2)		9.0	-5.0
	- OIL FILTER AND ADAPTER		2.5	-18.5
	- SPARK PLUGS		1.9	-13.9
	- STARTER, LAMAR 31B22207		11.2	-23.0
<b>73 - ENGINE FUEL &amp; CONTROL</b>				
73-01-S	EGT/FUEL FLOW INDICATOR	S3277-4	0.6	7.8
<b>77 - ENGINE INDICATING</b>				
77-01-R	TACHOMETER, RECORDING	S3329-1	1.0	12.1
<b>78 - EXHAUST</b>				
78-01-R	EXHAUST SYSTEM INSTALLATION	0554012-1	16.3*	-20.0*
	- MUFFLER & TAILPIPE WELD ASSY	0554011-2	4.6	-22.7
	- SHROUD ASSY, MUFFLER HEATER	0554001-9	0.8	-22.7
<b>79 - OIL</b>				
79-01-R	OIL COOLER INSTALLATION	0550359-2	3.3*	-11.0*
	- OIL COOLER, STEWART WARNER	8406-R	2.3	-11.0
79-02-R	OIL PRESSURE & TEMPERATURE INDICATORS	S3279-1	0.4	16.5
<b>98 - AVIONICS PACKAGE OPTIONS</b>				
98-01-S	STANDARD AVIONICS PACKAGE	3900003-1	28.0*	32.2*
	- 23-05-S BASIC AVN KIT INSTL	3900002-1	11.3	27.4
	- 23-04-S AUDIO/INTERCOM/MARKER BEACON INSTL	3930404-1	2.5	19.7

Figure 6-9. Equipment List Description (Sheet 6 of 7)

SECTION 6  
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ITEM No.	EQUIPMENT LIST DESCRIPTION	REF DRAWING	WT LBS	ARM INS.
	- 23-02-S NAV/COM INSTL	3930404-1	7.9	52.7
	- MODE C TRANSPONDER INSTL (34-11-S)	3930404-1	4.5	15.2
98-02-A	TRAINER AVIONICS PACKAGE (NET CHG OVER STD AVN PKG)	3900004-1	21.3*	21.5*
	- 23-03-A NAV/COM WITH GLIDESLOPE	3930404-1	6.5	17.1
	- 34-09-A ADF INSTALLATION	3930404-1	10.4	26.9
	- 34-10-A GLOBAL POSITIONING SYSTEM (GPS)		4.4	15.3
98-03-A	NAV II PACKAGE (NET CHG OVER STD AVN PKG)	3900005-1	29.9*	25.9*
	- 98-02-A TRAINER AVN PKG		21.3	21.5
	- 22-02-A SINGLE AXIS AUTOPILOT		8.6	36.8
	- GPS INSTALLATION	3930404-1	4.4	17.6
98-04-A	NAV II PACKAGE WITH HSI (NET CHG OVER STD AVN PKG)	3900016-1	45.2*	45.6*
	- 98-03-A NAV II PACKAGE		29.9	25.9
	- 34-12-O HORIZONTAL SITUATION INDICATOR (HSI) GYRO INSTL		15.3	84.1

Figure 6-9. Equipment List Description (Sheet 7 of 7)