



Required Equipment List

M-9-235

Contents

LOG OF REVISIONS.....	2
PROPELLER AND ACCESSORIES	3
Propeller	3
Spinner & Bulkhead Assembly	3
Governor.....	3
ENGINE AND ACCESSORIES.....	3
Engine.....	3
Oil Cooler.....	3
ELECTRICAL	3
Battery	3
Battery Solenoid.....	4
Starter Solenoid	4
Electrical Fuel Pump	4
Alternator Control.....	4
INSTRUMENTS.....	5
Stall Warning.....	5
Compass.....	5
Altimeter.....	5
Airspeed.....	6
Instrument Cluster.....	6
Manifold Pressure/Fuel Flow	6
Engine Data Management.....	6
LANDING GEAR	7
Tires w/Tubes	7
Main Wheel.....	7
Tailwheel.....	7
Tailwheel Tire.....	7
SAFETY BELTS	7
Front Seat Belt & Shoulder Harness Assemblies	7
Rear Seat Belt.....	7
Cargo & Luggage Straps.....	8
LIGHTS	8
Navigation Lights - Wing	8
Navigation Lights - Tail.....	8
ELT	8
CONTROL CABLES	8
Control Cables	8

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____
 NOTE: Equipment items installed below are designated by check marks.
 CATEGORY, MANUFACTURER AND PART OR MODEL NO. _____ WEIGHT (Lbs) ARM (Ins) _____

LOG OF REVISIONS

REV	DATE REV. SUBMITTED	TO PAGES	DESCRIPTION	APPROVAL AND DATE
<i>I.R.</i>	2/16/12	All	Initial Revision	 DATE: <u>APR 11 2012</u>
1	2/14/13	4	Added EDM-930.	 DATE: <u>FEB 15 2013</u>
2	7/8/13	1 5	Added 24v Concorde RG24-11M and RG24-15M Batteries. Added Power Supply A490TCF to Item 30.A.1, 2, 4 and 5.	 DATE: <u>JUL 20 2013</u>
3	12/2/13	2 3	Corrected 10.A.1./2. P/Ns. Added 6146A Instrument Cluster.	 DATE: <u>DEC 2 2013</u>
4	9/25/14	2	Added CJ Aviation Boost Pumps P/N's 1471-00-3CJ (14V) and 4140-00-401CJ	 DATE: <u>OCT - 7 2014</u>
5	2/12/15	2	Added Kissling and Sky-Tec Battery and Starter Solenoids.	 DATE: <u>FEB 26 2015</u>
6	2/26/15	2	Added Precision Airmotive Alternator Control p/n's B-00371-8 and B-00368-12. Added Lamar Technologies, LLC as manufacturer.	 DATE: <u>FEB 27 2015</u>
7	3/22/16	3 & 4	Corrected part numbers for EDO-Aire/Sigma-Tek, Inc. Airspeed Indicators. Added United Instrument/Mitchell Altimeters.	 DATE: <u>APR 14 2016</u>
8	4/5/18	6	Added EDM900	 DATE: <u>SEP 25 2018</u>

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. _____ WEIGHT (Lbs) _____ ARM (Ins) _____

PROPELLER AND ACCESSORIES

1. Propeller

A. McCauley

1.	B3D32C414-[][-82NDA-2	67.0	-61.5
----	------------------------	------	-------

2. Spinner & Bulkhead Assembly

A. McCauley

1.	D-6240	4.2	-62.3
----	--------	-----	-------

3. Governor

A. McCauley

1.	DC290D1(X)/T14	2.8	-52.5
----	----------------	-----	-------

ENGINE AND ACCESSORIES

4. Engine

A. Textron/Lycoming

1.	IO-540-W1A5	394.0	-39.6
----	-------------	-------	-------

5. Oil Cooler

A. Harrison

1.	8529245	3.5	-26.0/-25.0
----	---------	-----	-------------

B. Niagara

1.	20003A	3.5	-25.0
----	--------	-----	-------

ELECTRICAL

6. Battery

A. Exide

1.	AC78M (12 volt)	27.0	*
----	-----------------	------	---

B. Rebat

1.	R-35M (12 volt)	26.4	*
----	-----------------	------	---

C. Willard

1.	W-78M (12 Volt)	27.0	*
----	-----------------	------	---

D. Concorde

1.	CB 35M (12 volt)	26.5	*
2.	RG-35A (12 volt)	29.5	*
3.	RG-35AXC (12 volt)	32.0	*
4.	RG24-11M (24 volt)	26.5	**
5.	RG24-15M (24 volt)	29.5	**

E. Teledyne/Gil

1.	G-35M (12 volt)	27.0	*
2.	G-243 (24 volt)	28.0	**
3.	G-35S (12 volt)	27.0	*

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
--	--------------	-----------

* Battery Arm: (12 v) 95" (lt. side) or 112" (rt. side) **Battery Arm: (24 v) 96.4" (lt. side) or 95.6" (rt. side)

7. Battery Solenoid

A. White Rodgers/RBM/Essex

	1.	71-111221-5 (14 volt)	.9	***
	2.	71-117226-5 (28 volt)	.8	****

B. Kissling

	1.	29.311.11 (14 volt)	.9	***
--	----	---------------------	----	-----

C. Sky-Tec

	1.	STS-M12 (14 volt)	.9	***
	2.	STS-M24 (28 volt)	.8	****

*** Solenoid Arm: (12 volt) 80.0" (lt. side) or 106.5" (rt. side)

**** Solenoid Arm: (24 volt) 80.0" (lt. side) or 106.5" (rt. side)

8. Starter Solenoid

A. Prestolite

	1.	SAZ-4201E	.7	-18.0
--	----	-----------	----	-------

B. White Rodgers/RBM Controls/Essex

	1.	70-112225-5 (14 volt)	.7	-18.0
	2.	70-118225-5 (28 volt)	.7	-18.0

C. Kissling

	1.	29.311.11 (14 volt)	.7	-18.0
--	----	---------------------	----	-------

D. Sky-Tec

	1.	STS-S12 (14 volt)	.7	-18.0
	2.	STS-S24 (28 volt)	.7	-18.0

9. Electrical Fuel Pump

A. Dukes Astronautics

	1.	1471-00-1 (14 volt)	2.1	-20.0
	2.	1471-00-3 (14 volt)	2.1	-20.0
	3.	4140-00-401 (28 volt)	2.2	-20.0

B. CJ Aviation

	1.	1471-00-3CJ (14 volt)	3.0	-20.0
	2.	4140-00-401CJ (28 volt)	3.0	-20.0

10. Alternator Control

A. Precision Airmotive Corporation/Lamar, Inc./Lamar Technologies, LLC

	1.	B-00371-1 (14 volt)	.3	-16.0
	2.	B-00371-8 (14 volt)	.3	-16.0
	3.	B-00368-17 (28 volt)	.3	-16.0
	4.	B-00368-12 (28 volt)	.3	-16.0

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO.	WEIGHT (Lbs)	ARM (Ins)
--	--------------	-----------

B. Electrosystems

	1. VR371	(14 volt)	.3	-16.0
--	----------	-----------	----	-------

11. Panel Light Dimmer

A. Precision Airmotive Corporation/Lamar, Inc.

	1. B-00396-1/-2	(14/28 volt)	.3	-16.0
--	-----------------	--------------	----	-------

INSTRUMENTS

NOTE: REQUIRED INSTRUMENT MARKINGS TO BE PER AFM/AFMS.

12. Stall Warning

A. Maule

	1. 6016F		.1	1.5
--	----------	--	----	-----

13. Compass

A. Hamilton Instruments

	1. HI-400		.6	-2.0
--	-----------	--	----	------

B. Airpath

	1. C-2300		.8	-2.0
	2. C-2300-DL		.8	-2.0
	3. C-2400-LP		.8	-2.0
	4. C-2400-L4P		.8	-2.0

14. Altimeter

A. Kollsman

	1. C-12		1.0	-2.0
	2. C-13		1.0	-2.0
	3. B-11		1.0	-2.0

B. Aerosonic

	1. 101720-01545		1.0	-2.0
	2. 101720-01546 (Mb)		1.0	-2.0
	3. 12003		1.0	-2.0
	4. 101720-01694		1.0	-2.0

C. Aeritalia

	1. 16030SK		1.2	-2.0
--	------------	--	-----	------

D. United Instrument/Mitchell

	1. 5934-1 code A68	(InHg)	1.0	-2.0
	2. 5934-3 code A.68	(InHg)	1.0	-2.0
	3. 5934-3 code A.84	(InHg)	1.0	-2.0
	4. 5934-3 code A.73	(InHg)	1.0	-2.0
	5. 5934P-1 code A83	(InHg w/Barber pole)	1.0	-2.0
	6. 5934PM 1 code A84	(Mb w/Barber pole)	1.0	-2.0
	7. 5934D-1 code A129	(Dual-Mb/InHg)	1.0	-2.0
	8. 5934PD-1 code A130	Dual-Mb/InHg w/Barber pole)	1.0	-2.0
	9. 5934M-3 code A73	(Mb)	1.0	-2.0
	10. 5934P-3 code A83	(InHg w/Barber pole)	1.0	-2.0

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

E. Reporting Altimeters per Section 5.C of Optional Equipment List.

Airspeed

15.

B. EDO-Aire/Sigma Tek, Inc.

1.	EA-5171-017 MAL	(MPH/KNOTS)	.6	-1.0
2.	EA-5171-016 MAL	(KNOTS)	.6	-1.0
3.	EA-5174-03 PTL-MAL	(TAS)	.7	-1.0

16. Instrument Cluster

A. MAULE

1.	7040B		1.0	-0.6
2.	6146A			-0.6

17. Manifold Pressure/Fuel Flow

A. A.I.D.

1.	21-1003-1		1.0	-1.5
----	-----------	--	-----	------

B. United Instruments, Inc.

1.	UI6333-H.151		1.0	-1.5
----	--------------	--	-----	------

C. Sigma-Tek

1.	1U028-005-65		1.3	-1.5
----	--------------	--	-----	------

18. Tachometer

A. Stewart-Warner

1.	551-ACR		.8	-1.1
2.	551-ASJ		.8	-1.1

B. AC

1.	RT-7		.8	-1.1
2.	AC6412611		.8	-1.1

C. Aerosonic

1.	70-108		.8	-1.1
----	--------	--	----	------

D. Mitchell

1.	98480-23		.8	-1.1
2.	CD-122-5006		.8	-1.1

E. Electronic International

1.	R-1-6-G30R240		.6	-1.8
----	---------------	--	----	------

21. Engine Data Management

A. JP Instruments

1.	EDM-900		2.0	-1.5
2.	EDM-930		3.0	-1.5

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. _____ WEIGHT (Lbs) ARM (Ins)

LANDING GEAR

22. Tires w/Tubes (2 ea.) TYPE III 4/6 PLY TO TSO C62b

	A. 7:00 x 6	23.6	-1.0
	B. 8:00 x 6	25.2	-1.0

23. Main Wheel (2 ea.)

A. Cleveland

	1. 40-75D (Dual)	12.8	*
--	------------------	------	---

24. Brakes - Main Wheel (2 ea.)

A. Cleveland

	1. 30-52K (Dual)	5.8	-1.0
--	------------------	-----	------

25. Tailwheel

A. MAULE

	1. SFS-P8B-1-2	8.0	185.0
--	----------------	-----	-------

26. Tailwheel Tire (Installed on Maule Tailwheel SFS-P8B-1-2)

A. Aero Classic (Distributed by Desser Tire and Rubber Co.)

	1. 280/250-4/6 Ply (p/n 1V1514)	9.1	187.4
--	---------------------------------	-----	-------

SAFETY BELTS

27. Front Seat Belt & Shoulder Harness Assemblies (2 ea.)

A. AM-Safe, Inc.

	1. 500661-401	2.6	36.0
	2. 500661-405	2.6	36.0
	3. 500661-413	2.6	36.0
	4. 502338-413 (R) /-417 (L) (Rotary Buckle)	2.6	37.0
	5. 502338-423 (R) /-425 (L) (Rotary Buckle)	2.5	37.0
	6. 3102-1-011-2396 (3-Point Shoulder Harness & Lap Belt)	2.5	37.0
	7. 4098-1-021-2396 (4-Point Shoulder Harness & Lap Belt)	2.5	37.0

B. Pacific Scientific (Rotary Buckle)

	1. 1101020-7 (L)/-9 (R) (Lap Belt)	1.6	36.0
	2. 2B25A()X-15 (Shoulder Harness)	.9	38.0

C. Davis

	1. FDC-6400-568-2/4	2.6	36.0
	2. FDC-8300-64R-080		36.0
	3. FDC-8300-64L-080		36.0

28. Rear Seat Belt (1 ea.) & Shoulder Harness/Lap Belt Assemblies (2 ea.)

A. AM-Safe, Inc.

	1. 500661-409 (Shoulder Harness & Lap Belt)	2.5	55.0/80.0
	2. 3102-1-071-2396 (3-Point Shoulder Harness & Lap Belt)	2.5	55.0/80.0

B. Davis

	1. FDC-6400-568-1/3	2.6	55.0/80.0
--	---------------------	-----	-----------

REQUIRED EQUIPMENT LIST

SERIAL NO. _____ REG. NO. _____ PROD. NO. _____

NOTE: Equipment items installed below are designated by check marks.

CATEGORY, MANUFACTURER AND PART OR MODEL NO. WEIGHT (Lbs) ARM (Ins)

29. Cargo & Luggage Straps

A. Kine-Dyne (Cargo area "C")

1.	3101003GO72-022 (Rear)	.8	72.0
----	------------------------	----	------

B. DOT Tiedown and Lifting Equipment (Cargo area "B")

1.	C506SE	1.2	42.0
----	--------	-----	------

LIGHTS

30. Navigation Lights - Wing

A. Whelen Engineering Co.

1.	A650 PR (Red)	(Power Supply A490,T,DF-14 or A490TCF) (14 V)	1.8	17.5
2.	A650 PG (Green)	(Power Supply A490,T,DF-14 or A490TCF) (14 V)	1.8	17.5
3.	62-A470-W	(Power Supply A490,T,DF-14) (14 V)	.5	37.9
4.	A650 PR (Red)	(Power Supply A490,T,DF-28 or A490TCF) (28 V)	1.8	17.5
5.	A650 PG (Green)	(Power Supply A490,T,DF-28 or A490TCF) (28 V)	1.8	17.5

B. See Optional Equipment List, Section 1.A, Items 1, 2 and 5.

31. Navigation Lights - Tail

A. Grimes

1.	Type A-2064 (14 or 28 volt)	.2	199.0
----	-----------------------------	----	-------

B. Luminator Aircraft

1.	5107 C14B	.2	199.0
----	-----------	----	-------

EMERGENCY LOCATION TRANSMITTERS (ELT)

32. ELT

A. ARTEX

1.	ME-406	3.3	104.5
2.	ME-406P	3.3	104.5

CONTROL CABLES

33. Control Cables

1.	Carbon Steel, Plated
2.	Corrosion Resistant Steel (SS)