

Dillon's Aviation, Inc.
Weight and Balance Revision

Date:	8/8/2024
Registration # :	N695DS
Model:	DA40
Serial # :	40.865

Old Useful Load	849.18
Old Empty Weight	1796.82
Old C.G.	97.94
Old Moment:	175985.52

Removed:

	Unit	Weight	Arm	Moment
1	Inflator	2.56	93.3	238.848
2	Electronic Module Assy Front	0.65	88.4	57.46
3	NLG Wheel Fairings	2.0	39.4	78.8
4	MLG Wheel Fairings	6.0	103.5	621.0

Total Weight Removed:	11.21
Total Moment Subtracted:	996.108

Installed:

	Unit	Weight	Arm	Moment
1				
2				
3				
4				

Total Weight Installed: _____
Total Moment Added: _____

New Empty Weight	1785.61
New Useful Load	860.39
New C.G.	97.99
New Moment	174989.412

Prepared/Approved by:

AP4110906IA

Minimum Operational Equipment (Serviceable)			
	For Daytime VFR Flights	In Addition for Night VFR Flights	In Addition for IFR Flights
Flight and Navigation Instruments	* Airspeed indicator * Altimeter * Magnetic compass	* Vertical speed indicator (VSI) * Attitude gyro (artificial horizon) * Turn & bank indicator * Directional gyro * OAT indicator * Chronometer with indication of hours, minutes, and seconds * VHF radio (COM) with speaker and microphone * VOR receiver * Transponder (XPDR), Mode A and Mode C * 1 headset	* Second VHF radio (COM) * VOR-LOC-GP receiver * Marker beacon receiver
Engine Instruments	* Fuel indicators * Integrated engine instrument * Annunciator panel (all lights, see 2.6)	* Ammeter (included in VM 1000) * Voltmeter (included in VM 1000)	

Minimum Operational Equipment (Serviceable)			
	For Daytime VFR Flights	In Addition for Night VFR Flights	In Addition for IFR Flights
Lighting		* Position lights * Strobe lights (anti collision lights) * Landing light * Instrument lighting * Flood light * Flashlight	
Other Operational Minimum Equipment	* Stall warning system * Fuel quantity measuring device (see 7.10) * Safety belts for each occupied seat * Airplane flight manual	* Pitot heating system * Alternate static valve * Essential bus	* Emergency battery

NOTE

A list of approved equipment can be found in Chapter 6.

**Supplementary
Equipment
Original**



Aircraft Specific Equipment Record

Aircraft Serial No.:	40.865
Registration:	N695DS
Issue date:	12 NOV 2007

Item No.	Equipment List Description	Status	Part/Model No.	Serial No.	In-stalled	Re-moved	Weight		Arm	
							lbs	kg	in	m
5-33	AmSafe Rear Receptacle	STC # SA01918LA	7057-1-021-8157				0.6	0.272	126.77	3.220
5-34	Inflator Rear	STC # SA01918LA	508792-401				1.28	0.580	128.9	3.275
5-35	Electronic Module Assy Rear	STC # SA01918LA	508358-421				0.65	0.294	134.8	3.425
	SEAT BELTS, AMSAFE NON-AAIR, REAR									
5-40	Rear Seat Belt LH	STC # SA01918LA	3149-2-021-8157	N/A	X		3.00	1.360	126.77	3.220
5-41	Rear Seat Belt, RH	STC # SA01918LA	3149-2-021-8157	N/A	X		3.00	1.360	126.77	3.220
	GARMIN G1000	STC # SA01254WI					X	X	X	X
31-05	Transponder GTX33	STC # SA01254WI	Garmin 011-00779-10	89105353	X		3.03	1.38	155.5	3.950
31-06	Nav/Comm#1 GIA63	STC # SA01254WI	Garmin 011-00781-01				5.29	2.40	70.08	1.780
31-06a	Nav/Comm#1 GIA63W	STC # SA01444WI	Garmin 011-01105-00	68505375	X		5.29	2.40	70.08	1.780
31-07	Nav/Comm#2 GIA63	STC # SA01254WI	Garmin 011-00781-01				5.29	2.40	70.08	1.780
31-07a	Nav/Comm#2 GIA63W	STC # SA01444WI	Garmin 011-01105-00	68505402	X		5.29	2.40	70.08	1.780
31-08	Magnetometer GMU44	STC # SA01254WI	Garmin 011-00870-00	47509172	X		0.379	0.172	101.7	2.584
31-09	Air Data Computer GDC74	STC # SA01254WI	Garmin 011-00882-00	47808211	X		1.58	0.720	155.5	1.780
31-10	AHRS GRS77	STC # SA01254WI	Garmin 011-00868-10	42007254	X		2.54	1.15	155.5	3.950
31-11	PFD GDU1040	STC # SA01254WI	Garmin 011-00972-03	88904955	X		6.40	2.91	70.08	1.780
31-12	MFD GDU1040	STC # SA01254WI	Garmin 011-00972-03				6.40	2.91	70.08	1.780
31-12a	MFD GDU1042 GFC700	STC # SA01389WI	Garmin 011-01080-00				6.40	2.91	70.08	1.780
31-12b	MFD GDU1044 GFC700/VNAV	STC # SA01444WI	Garmin 011-01078-01	86960217	X		6.40	2.91	70.08	1.780
31-13	Engine Instruments GEA 71	STC # SA01254WI	Garmin 011-00831-00	46705404	X		1.66	0.755	70.08	1.780
31-14	GMA 1347	STC # SA01254WI	Garmin 011-00809-00	47109697	X		1.74	0.785	70.08	1.780
31-15	GDL69	STC # SA01254WI	Garmin 011-00987-00	47758332	X		2.49	1.13	161.1	4.092
	ADF with G1000	OAM 40-210a STC # SA01254WI					X	X	X	X

List of Supplementary Equipment Original	 Aircraft Specific Equipment Record	Aircraft Serial No.:	40.865
		Registration:	N695DS
		Issue date:	12 NOV 2007

Note: This List of Original Equipment is in addition to and does not supercede the Equipment List in your Approved Flight Manual!

Item No.	Equipment List Description	Status	Part/Model No.	Serial No.	In-stalled	Re-moved	Weight		Arm	
							lbs	kg	in	m
	AUTOPILOT									
22-08	Pitch Servo	STC # SA01389WI	Garmin GFC700 GSA 81 011-00878-00	66405926	X		2.27	1.03	154.4	3.921
22-09	Pitch Servo Mount	STC # SA01389WI	Garmin GFC700 GSM 85 011-00894-07	N/A	X		1.39	0.63	154.4	3.921
22-10	Pitch Servo Bridle Cable Assy	STC # SA01389WI	Garmin GFC700 117-00187-00/ 117-00188-00	N/A	X		0.04	0.017	154.4	3.921
22-11	Roll Servo	STC # SA01389WI	Garmin GFC700 GSA 81 011-00878-00	66406054	X		2.27	1.03	122.4	3.109
22-12	Roll Servo Mount	STC # SA01389WI	Garmin GFC700 GSM 85 011-00894-07	N/A	X		1.39	0.63	122.4	3.109
22-13	Roll Servo Bridle Cable Assy	STC # SA01389WI	Garmin GFC700 117-00187-00/ 117-00188-00	N/A	X		0.04	0.017	122.4	3.109
22-14	Pitch Trim Servo	STC # SA01389WI	Garmin GFC700 GSA 81 011-00878-00	66405994	X		2.27	1.03	87.9	2.232
22-15	Pitch trim Servo Mount	STC # SA01389WI	Garmin GFC700 GSM 85 011-00894-04	N/A	X		1.61	0.73	87.9	2.232
22-16	Pitch Trim Servo Chain	STC # SA01389WI	Garmin GFC700 233-30003-00	N/A	X		0.88	0.40	87.9	2.232
	SEAT BELTS, AMSAFE AAIR, FRONT									
25-20	AmSafe Front Seat Belt LH	STC # SA01918LA	7053-1-011-8157	N/A	X		4.662	2.115	92.52	2.350
25-21	AmSafe Front Seat Belt RH	STC # SA01918LA	7053-1-021-8157	N/A	X		4.662	2.115	92.52	2.350
25-22	AmSafe Front Receptacle LH	STC # SA01918LA	7053-1-011-8157	N/A	X		1.304	0.591	92.52	2.350
25-23	AmSafe Front Receptacle RH	STC # SA01918LA	7053-1-021-8157	N/A	X		1.304	0.591	92.52	2.350
25-24	Inflator Front	STC # SA01918LA	508792-401	N/A	X		1.28	0.580	93.3	2.370
25-25	Electronic Module Assy Front	STC # SA01918LA	508358-421	09APR07-172	X		0.65	0.294	88.4	2.245
	SEAT BELTS, AMSAFE AAIR, REAR									
25-30	AAIR Rear Seat Belt LH	STC # SA01918LA	7057-1-011-8157				4.622	2.115	126.77	3.220
25-31	AAIR Rear Seat Belt RH	STC # SA01918LA	7057-1-021-8157				4.622	2.115	126.77	3.220
25-32	AAIR Rear Receptacle	STC # SA01918LA	7057-1-011-8157				0.6	0.272	126.77	3.220

Place:	Date:	Authorizing Stamp	Authorizing Signature
DAII - CYXU	12 NOV 2007		 Tom Norman