

N721RV Load Analysis

VENDOR		MODEL	SWITCH	WIRE GU.	FUSE/BREA	AMPS	START	PRE FLIGHT	TAXI	TAXI NIGHT	TAKEOFF	TAKEOFF NIGHT	VFR CRUISE	VFR NIGHT CRUISE	IFR CRUISE	VFR NIGHT DECENT	IFR NIGHT DECENT	APPRCH LANDING
MAIN BUSS																		
Battery Contactor	Van's	ES 24115	N/A	4	N/A	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Starter Contactor	Van's	ES 24021	A510-2	18	7A Fuse	3.00	3.00	-	-	-	-	-	-	-	-	-	-	-
Pitot Heat	Gretz (Angus)	GA-1000		14	10A Fuse	6.40	-	-	-	-	6.40	6.40	-	-	6.40	6.40	6.40	6.40
Wing/Tail Strobes	AeroLED	2 x NS-90 + Suntain		20(S) ea.	10A Fuse	2.40	-	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
Wing/Tail Positions	AeroLED	2 x NS-90 + Suntain		20(S) ea.	2A Fuse	1.20	-	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Taxi Light	Duckworks	75W		14	10A Fuse	5.50	-	-	5.50	5.50	-	-	-	-	-	-	-	-
Garmin SL-40 (COM 2)	Garmin	SL-40	N/A	18	5A Fuse	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Main Alternator Field	N/A	N/A	N/A	18	5A Breaker	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL MAIN BUSS						22.50	7.00	7.60	13.10	13.10	14.00	14.00	7.60	7.60	14.00	14.00	14.00	14.00
ENDURANCE BUSS																		
Audio Panel	PS Engineering	PMA-8000B	N/A	22	5A Fuse	2.50	-	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Garmin 430 (COM 1)	Garmin	430W	N/A	18	10A Fuse	6.00	-	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Flaps Motor	Vans	ES 85615-157-1		18	5A Fuse	3.00	-	-	1.50	1.50	1.50	1.50	-	-	-	-	1.50	1.50
Landing Light	Duckworks	100W		14	15A Fuse	9.00	-	-	-	9.00	9.00	9.00	-	-	-	9.00	9.00	9.00
Garmin 430 NAV	Garmin	430W	N/A	18	5A Fuse	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
EFIS #1	Advanced Flight Systems	AF-4500sEF	N/A	20	3A Fuse	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
EFIS #2	Advanced Flight Systems	AF-4500sEM	N/A	20	3A Fuse	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
EFIS/GARMIN Adapter	Advanced Flight Systems	ARINC 429	N/A	20	1A Fuse	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Autopilot	TruTrak	Digiflight II VSVG		20	5A Fuse	2.50	-	-	-	-	-	-	2.50	2.50	2.50	2.50	2.50	2.50
Transponder	Garmin	GTX 327	N/A	18	5A Fuse	1.85	0.90	0.90	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Turn Coordinator	TruTrak	PTB 2	N/A	22	1A Fuse	0.50	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Trim (Elevator)	Ray Allen	T3-12A-TS	Stick	22	1A Fuse	1.00	-	-	-	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Trim (Aileron)	Ray Allen	T2-10A-TS	Stick	22	1A Fuse	1.00	-	-	-	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Annunciator Lights	MPJA	16969 LE	N/A	20	1A Fuse	1.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
CO Monitor	Flight Data Systems	GD-40	N/A	20	1A Fuse	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Fuel Boost Pump	Airflow Performance	3090050		14	10A Fuse	5.00	5.00				5.00	5.00				5.00	5.00	5.00
TOTAL ENDURANCE BUSS						40.83	13.48	17.48	19.93	29.23	34.23	34.23	21.23	21.23	21.23	35.23	36.73	36.73
BATTERY BUSS																		
Electronic Ignition	Lightspeed	Plasma II Plus	Always On	20 (S)	5A Breaker	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
12v Power Port	Vans	ES AS212	N/A	14	10A Fuse	-	-	-	-	-	-	-	-	-	-	-	-	-
Lighting Controller (Dimmer)	Flight Data Systems	LC-50	N/A	16	10A Fuse	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
E-Bus Alt Feed		S704-1		14	15A Fuse	0.10	-	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Compass Light	Falcon	MCVC-2L-A	N/A	20	1A Fuse	0.02	-	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
TOTAL BATTERY BUSS						3.42	3.30	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42
TOTAL NORMAL OPERATIONS						66.75	23.78	28.50	36.45	45.75	51.65	51.65	32.25	32.25	38.65	52.65	54.15	54.15