

Accumulator Mechanical Bill of Materials

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Last Edited: 1/27/2017

NOTE: DOES NOT CONTAIN MAJORITY OF REQUIRED SCREWS/CONNECTORS

NOTE: Cost estimates from McMaster-Carr.com

NOTE: Steel is 304 Stainless Steel

NOTE: Aluminum is 6061 Multipurpose

Part Number	Material required for one part	QTY needed for 4 packs	Material to Order	Order Code	Cost	Description
L16-TSV 1.1	0.5" x 6" x 7" Aluminum sheet	4	0.5" x 6" x 36" Aluminum Sheet	https://www.mcmaster.com/#8975K219	\$70.02	Cell retainer at positive end of pack
2.1	0.5" x 6" x 7" Aluminum sheet	4	0.5" x 6" x 36" Aluminum Sheet	https://www.mcmaster.com/#8975K219	\$70.02	Cell retainer at negative end of pack
3.1	1" x 0.75" x 20" Aluminum bar	4	1" x 0.75" x 72" AND 1" x 0.75" x 24" Aluminum Bar	https://www.mcmaster.com/#8975K14	\$43.02	Upper cell retainers
4.1	1" x 0.75" x 20" Aluminum bar	4	1" x 0.75" x 72" AND 1" x 0.75" x 24" Aluminum Bar	https://www.mcmaster.com/#8975K14	\$43.02	Upper cell retainers
5.1	0.125" x 6" x 7" Aluminum Sheet	4	0.125" x 6" x 36" Aluminum Sheet	https://www.mcmaster.com/#8975K921	\$17.15	Cell dividing walls
6.1	0.5" x 0.5" x 6.3" Aluminum Bar	8	0.5" x 0.5" x 72" Aluminum Bar	https://www.mcmaster.com/#9008K81	\$9.72	Side accumulator holster
7.1	0.75" x 0.75" x 19.1" Aluminum Bar	8	QTY 3, 0.75" x 0.75" x 72" Aluminum Bar	https://www.mcmaster.com/#9008K12	\$64.26	Side accumulator holster
10	35.25" - 8020 Aluminum	8	QTY 2, 120" AND 72" 8020 Aluminum	https://www.mcmaster.com/#47065T101	\$82.97	Exterior Structure
11.1	9.325" - 8020 Aluminum	16	120" AND 48" 8020 Aluminum	https://www.mcmaster.com/#47065T101	\$45.79	Exterior Structure
13.1	0.375" x 5.9" x 21" Aluminum	4	0.375" x 6" x 72" AND 0.375" x 6" x 24" Aluminum Bar	https://www.mcmaster.com/#8975K213 AND https://www.mcmaster.com/#8975K213	\$124.57	Top Cover Plate
14.2	0.375" x 5.9" x 5.375" Aluminum	4	0.375" x 6" x 24" Aluminum Sheet	https://www.mcmaster.com/#8975K213	\$36.22	Positive End Side Plate
15.2	0.375" x 5.9" x 10.375" Aluminum	4	0.375" x 5.9" x 48" Aluminum Sheet	https://www.mcmaster.com/#9246K474	\$64.33	Negative End Side Plate
16.1	0.125" x 10.7" x 35.25" Aluminum plate	4	QTY 4, 0.125" x 12" x 36" Aluminum Sheet	https://www.mcmaster.com/#89015K241	\$285.60	Exterior Side Plate
17.1	0.125" x 10.7" x 35.25" Aluminum plate	4	QTY 4, 0.125" x 12" x 36" Aluminum Sheet	https://www.mcmaster.com/#89015K241	\$285.60	Exterior Side Plate
18.1	0.125" x 5.9" x 33.25" Aluminum plate	4	QTY 2, 0.125" x 6" x 72" Aluminum Bar	https://www.mcmaster.com/#8975K921	\$62.36	Interior Bottom Plate
19.3	0.1875" x 6" x 10" Aluminum Sheet	4	0.190" x 6" x 48" Aluminum Sheet	https://www.mcmaster.com/#89015K278	\$64.19	Pacman and vent plate
20	0.0625" x 3.125" x 3.25" Steel Plate	4	0.09" x 4" x 18" Steel Strip	https://www.mcmaster.com/#1421t273/=162h1id	\$28.29	GLV / CAN panel
21	3" x 6" x 0.0625" Aluminum Plate	4	0.0625" x 6" x 12" Aluminum Sheet	https://www.mcmaster.com/#89015K185	\$16.82	Connector panel positive extended
22	0.0625" x 6" x 9" Aluminum Plate	8	QTY 2, 0.0625" x 6" x 48" Aluminum Sheet	https://www.mcmaster.com/#9246K525	\$203.72	Exterior Plate with Mounting Holes
23.1	0.125" x 1.81" x 4.75" Stainless Sheet	4	0.125" x 2" x 4.75" Stainless Sheet	https://www.mcmaster.com/#1227T139	\$1.54	LCD Cover Plate
24.1	0.125" x 6" x 9.25" Aluminum Plate	4	0.125" x 6" x 48" Aluminum Plate	https://www.mcmaster.com/#89015K238	\$49.98	Exterior Plate with Mounting Holes
30	1" x 3" x 4" Aluminum Bar	4	1" x 3" x 24" Aluminum Bar	https://www.mcmaster.com/#8975K239	\$46.50	L-shaped Conductor
31.1	0.5" x 1" x 4.25" Aluminum	3	0.5" x 1" x 24" Aluminum	https://www.mcmaster.com/#8975K11	\$8.24	Airs Replacement Bar
32	0.5" x 1.5" x 4"	4	0.5" x 1.5" x 24"	https://www.mcmaster.com/#8975K42	\$12.51	Relay to fuse connector
33	0.865" x 2.5" x 4" Aluminum	4	0.865" x 4" x 24" Aluminum	https://www.mcmaster.com/#89015K222	\$15.36	Conductor L-Bar
34.1	0.5" x 0.9" x 3.5" Aluminum	20	0.5" x 1" x 72" Aluminum	https://www.mcmaster.com/#8975K11	\$20.10	Slotted Jumper
35.2	0.5" x 0.9" x 3.5" Aluminum	4	0.5" x 1" x 24" Aluminum	https://www.mcmaster.com/#8975K11	\$8.24	Slotted Jumper Extended
36.4	1" x 3.5" x 4" Aluminum	4	1" x 3.5" x 24" Aluminum	https://www.mcmaster.com/#8975K627	\$49.50	Slotted Bus Bar
39.1	0.625" x 0.9" x 4.1" Garolite	4	0.625" x 12" x 12" Garolite	https://www.mcmaster.com/#9910T45	\$82.49	LCD Bracket
40.1	0.625" x 2.2" x 2.51" Garolite	3	0.625" x 12" x 12" Garolite	https://www.mcmaster.com/#9910T45	\$82.49	Airs Replacement Bar Mount
40.2	0.625" x 2.2" x 2.51" Garolite	3	0.625" x 12" x 12" Garolite	https://www.mcmaster.com/#9910T45	\$82.49	Airs Replacement Bar Mount
41	0.625" x 2.667" x 6" Garolite	3	0.625" x 12" x 12" Garolite	https://www.mcmaster.com/#9910T45	\$82.49	Airs Extender
66	1" x 2.063" x 3.9" Aluminum	8	1" x 2.5" x 36" Aluminum	https://www.mcmaster.com/#8975K39	\$53.86	8020 Replacement Bar
67	1" x 1.875" x 3.9" Aluminum	4	1" x 2" x 24" Aluminum	https://www.mcmaster.com/#8975K237	\$32.03	8020 Replacement Bar 2
68	0.718" x 1" x 3" Aluminum	4	0.75" x 1" x 24" Aluminum	https://www.mcmaster.com/#8975K14	\$12.51	8020 Replacement Bar 3
69	0.718" x 1" x 3" Aluminum	4	0.75" x 1" x 24" Aluminum	https://www.mcmaster.com/#8975K14	\$12.51	8020 Replacement Bar 4