

Air Powered Rocket Launcher Parts List:

Lowe's

- 36 Inches of 2 inch diameter pressure PVC
 - <https://www.lowes.com/pd/Charlotte-Pipe-2-in-x-5-ft-280-Schedule-40-PVC-Pipe/3133043>
 - Lowe's Item # 23833 Model # PVC 07200 1000
 - \$4.91
- 4x 2 inch pressure PVC 90 degree elbows
 - <https://www.lowes.com/pd/LASCO-2-in-x-90-Degree-PVC-Sch-40-Slip-Elbow/3307898>
 - Lowe's Item # 23910 Model # 406020RMC
 - \$2.68 x 4 = \$10.72
- 2 inch smooth to 1 inch threaded Tee pressure PVC connector
 - <https://www.lowes.com/pd/LASCO-2-in-x-1-in-x-PVC-Sch-40-Tee/3573192>
 - Lowe's Item # 317758 Model # 402249RMC
 - \$3.28
- 2 Inch smooth to ¾ inch threaded Tee pressure PVC connector
 - <https://www.lowes.com/pd/LASCO-2-in-x-3-4-in-PVC-Sch-40-Tee/3573190>
 - Lowe's Item # 317757 Model # 402248RMC
 - \$3.18
- 1 inch threaded PVC plug
 - <https://www.lowes.com/pd/LASCO-1-in-PVC-Sch-40-Plug/3371538>
 - Lowe's Item # 23525 Model # 450010RMC
 - \$2.08
- ¾ inch by 1 1/8 inch threaded SCH 80 nipple
 - <https://www.lowes.com/pd/LASCO-3-4-in-x-dia-PVC-Sch-80-Nipples/3381498>
 - Lowe's Item # 56128 Model # 207013RMC
 - \$0.52
 - These were hard to find. Only one of the local Lowe's had them.
- ¾ inch sprinkler valve
 - <https://www.lowes.com/pd/Rain-Bird-0-75-in-Plastic-Electric-Inline-Irrigation-Valve/1057907>
 - Lowe's Item # 20245 Model # CP-075
 - \$15.93
- ¾ inch threaded street elbow
 - <https://www.lowes.com/pd/LASCO-3-4-in-90-Degree-PVC-Sch-40-Street-Elbow/3369124>
 - Lowe's Item # 126822 Model # 412007RMC
 - \$1.14
- ¾ inch threaded to ½ inch smooth PVC adapter
 - <https://www.lowes.com/pd/LASCO-3-4-in-x-1-2-in-x-PVC-Sch-40-Adapter/3380828>
 - Lowe's Item # 22698 Model # 436101RMC
 - \$0.79
- 17 inches of ½ inch pressure PVC

- <https://www.lowes.com/pd/Charlotte-Pipe-3-4-in-x-2-ft-480-Schedule-40-PVC-Pipe/3341540>
- Cheaper to get the longer 10 foot piece if making more than one launcher.
- Lowe's Item # 351144 Model # PVC 04007 0200
- \$1.37
- 8 inches of 1.25 inch diameter PVC pipe
 - <https://www.lowes.com/pd/Charlotte-Pipe-1-1-4-in-x-2-ft-370-Schedule-40-PVC-Pipe/3362390>
 - Lowe's Item # 350966 Model # PCV 07100 0200
 - \$2.69
- 2x 1-1/4-in x PVC Sch 40 Caps
 - <https://www.lowes.com/pd/LASCO-1-1-4-in-x-PVC-Sch-40-Cap/3371574>
 - Lowe's Item # 23898 Model # 447012RMC
 - \$0.96
- 20 feet of 18 gauge speaker wire
 - <https://www.lowes.com/pd/Southwire-50-ft-18-Gauge-2-Conductor-Standard-Speaker-Wire-By-the-Roll/1000733852>
 - Lowe's Item # 302989 Model # 64870301
 - May find cheaper online.
 - \$12.48
- 3x 9-volt batteries
 - <https://www.lowes.com/pd/Rayovac-High-Energy-Alkaline-9-Volt-Batteries-12-Pack/1000059985>
 - Lowe's Item # 751816 Model # A1604-12PPJ
 - Cheaper in the larger pack, but these can be sourced anywhere.
 - \$21.97

AutoZone

- Valve stem
 - https://www.autozone.com/tire-repair-and-tire-wheel/tire-valve-stem/slime-hi-performance-tr416-tire-valve-stem/582043_0
 - Slime Hi Performance TR416 Tire Valve Stem (AutoZone part # 20128)
 - \$4.99

Amazon

- 3x 9-volt battery connectors
 - https://www.amazon.com/Battery-Connector-Leather-Housing-Connection/dp/B06X8YZJ64/ref=sr_1_5?keywords=9v+battery+connector&qid=1580323120&sr=8-5
 - \$3.48
- Button
 - https://www.amazon.com/FICBOX-Button-Momentary-Waterproof-Switches/dp/B07R3QJVD8/ref=pd_rhf_se_s_ssapa_dk_rhf_search_pt_sub_0_3/142-3589260-4875055?encoding=UTF8&pd_rd_i=B07R3QJVD8&pd_rd_r=cffbf2cd-35e4-

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- Any button will work.
- \$12.99
- 2x 2 pin electrical connectors
 - https://www.amazon.com/MUYI-Waterproof-Connector-1-5mm-Terminal/dp/B01A6LTK44/ref=sr_1_3?keywords=2+pin+connector&qid=1580323259&sr=8-3
 - \$7.50
- Bicycle pump
 - https://www.amazon.com/BV-Ergonomic-Automatically-Reversible-Schrader/dp/B0085OUN1O/ref=sr_1_4?dchild=1&keywords=bicycle+pump&qid=1580323305&sr=8-4
 - We only pump the air chamber up to about 30 PSI typically, so any regular pump should work.
 - \$29.49