

| RASC-AL Minimum Mars Ascent Vehicle | | | | | | | | | |
|--|-------------------------|-----------------------|----------------------|----------------------|----------------------|--------------------------|-------------------------|-------------|------------|
| # | Content | Quantity | Weight (kg) | Material | | Labor costs (per day) | Time Consuming (day) | Total | |
| | | | | Type | Unit Price | | | | |
| 1 | Ribbed Body | 1 | 2268.83 | 6061 Aluminium Alloy | \$13.27 | \$219 | 20 | \$34,487.37 | |
| 2 | Engine Gimbal | Engine to Gimbal Ring | 1 | 66.75 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$3,075.77 |
| | | Nozzle | 1 | 509.58 | Copper | \$8.79 | \$219 | 10 | \$6,669.21 |
| 3 | Center Gimbal Restraint | 1 | 5.52 | 6061 Aluminium Alloy | \$13.27 | \$219 | 15 | \$3,358.25 | |
| 4 | Gimbal Lags | Upper Gimbal Lag | 4 | 6.68 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,183.64 |
| | | Lower Gimbal Lag | 4 | 8.99 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,214.30 |
| 5 | Metallic Cylinder | 1 | 399.71 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$6,399.15 | |
| 6 | Liquid Cylinder | 1 | 597.65 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$9,025.82 | |
| 7 | Landing Legs | Cylinder 1 | 3 | 110.57 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$2,562.26 |
| | | Cylinder 2 | 3 | 14.84 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,291.93 |
| | | Cylinder 3 | 3 | 19.92 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,359.34 |
| | | Cylinder 4 | 3 | 22.73 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,396.63 |
| | | Cylinder 5 | 3 | 50.98 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,771.50 |
| | | Attachment | 3 | 14.28 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,284.50 |
| | | Feet | 3 | 48.52 | 6061 Aluminium Alloy | \$13.27 | \$219 | 5 | \$1,738.86 |
| | | Pin 1 | 3 | 3.35 | 6061 Aluminium Alloy | \$13.27 | \$219 | 1 | \$263.45 |
| Pin 2 | 3 | 0.92 | 6061 Aluminium Alloy | \$13.27 | \$219 | 1 | \$231.21 | | |
| 8 | Nose Panel | Nose Panel Testing 1 | 1 | 12.74 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,359.06 |
| | | Nose Panel Testing 2 | 1 | 12.74 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,359.06 |
| | | Nose Panel Testing 3 | 1 | 12.74 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,359.06 |
| | | Nose Panel Testing 4 | 1 | 12.74 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,359.06 |
| | | Nose Panel Testing 5 | 1 | 12.74 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,359.06 |
| | | Nose Panel Testing 6 | 1 | 12.74 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,359.06 |
| | | Nose Top | 1 | 32.51 | 6061 Aluminium Alloy | \$13.27 | \$219 | 10 | \$2,621.41 |
| Total cost of manufacturing the cabin: | | | | | | | | \$94,088.96 | |