2019 Robonauts' Everybot -- Bill Of Materials

Part	Quantity	Notes	Cost Each	Total Cost	Supplier	Link	Alternate Link
Wide Angle USB Webcam	1		$49.99	$49.99	Amazon	https://www.amazon.com/Genius-120-degree-Confidence-Webcam-WideCam	
1/2" Hex Bearings	4		$6.00	$24.00	AndyMark	https://www.andymark.com/products/1-2-in-hex-bore-flanged-heavy-duty-nylon-ce	
Beach Seal Motor	1	Included in KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/beach-seal-motor-and-harness-cable	
AM 14U4 KOP Drivetrain	1	Included in KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/am14u4-kit-of-parts-chassis	
775 Redline	1	Included in KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/andymark-775-redline-motor	
Sport Two Motor Gearbox	1	Included in KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/2-motor-sport-shift-gearbox?utm%2Fc%2Fs%2M	
AM 14U4 Bumper Hardware Kit	1	Included in KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/2014-bumper-kit	
AM 14U4 Vertical Battery Mount Kit	1	Included in KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/vertical-battery-mount-kit	
NI RoboRio	1	Included in Rookie KOP	$0.00	$0.00	AndyMark	https://www.andymark.com/products/ni-roborio	
Armabot F1 Hub	1	Included in KOP	$0.00	$0.00	Armabot	https://www.armabot.com/collections/frontpage/products/f1-rotable	
Radial Wheel: 201 bore :771OD	1	Included in KOP	$0.00	$0.00	BWC	https://www.bwc.com/medieval-radial-wheel-a1.html	
Sunlite 24"x96" Polycarbonate Twinwall Roof Panel	1		$36.00	$36.00	Home Depot	https://www.homedepot.com/p/Sunlite-24-in-x-96-in-Polycarbonate-Clear-Twinwall	
1/2"x10 ft Schedule 40 PVC Pipe	1		$2.20	$2.20	Home Depot	https://www.homedepot.com/p/1-2-in-x-10-ft-PVC-Schedule-40-PVC-Pipe-Bo	
1 in x 96 in Aluminum Square Tube with 1/20 in thick	2		$16.27	$32.54	Home Depot	https://www.homedepot.com/p/Everbilt-1-in-x-96-in-Aluminum-Square-Tube-with-	
1/4" ID 1" OD Washer 3 Pack	2		$1.18	$2.36	Home Depot	https://www.homedepot.com/p/1-4-in-x-1-in-Metallic-Stainless-Steel-Fender-Was	
3 -1/8 in x 5 in Tie Plate	6		$0.98	$5.88	Home Depot	https://www.homedepot.com/p/Simpson-Strong-Tie-3-1-8-in-x-5-in-Tie-Plate-TSP3	
ZMAX 18 Gauge Galvanized Steel Angle Small	6		$0.40	$2.40	Home Depot	https://www.homedepot.com/p/Simpson-Strong-Tie-18-Gauge-Galvanized-Steel-A	
ZMAX 18 Gauge Galvanized Steel Angle Large	4		$0.98	$3.92	Home Depot	https://www.homedepot.com/p/Simpson-Strong-Tie-ZMAX-18-Gauge-Galvanized	
6 Inch 12 Gauge Heavy Strap Plate	4		$1.98	$7.92	Home Depot	https://www.homedepot.com/p/Simpson-Strong-Tie-6-in-12-Gauge-Heavy-Strap-P	
1 1/2" Zinc Plated Corner Brace 20 Pack	1		$8.98	$8.98	Home Depot	https://www.homedepot.com/p/Everbilt-1-1-2-in-Zinc-Plated-Corner-Brace-Value-P	
1 in x 96 in Aluminum Square Tube with 1/20 in thick	2		$16.27	$32.54	Home Depot	https://www.homedepot.com/p/Everbilt-1-in-x-96-in-Aluminum-Square-Tube-with-	
4" Galvanized Flat Corner Brace 2 Pack	4		$4.59	$18.36	Home Depot	https://www.homedepot.com/p/Everbilt-4-in-Galvanized-Flat-Corner-Brace-2-Pack	
4" Hose Clamp	1		$1.45	$1.45	Home Depot	https://www.homedepot.com/p/Everbilt-4-in-Stainless-Steel-Clamp-279030/3032	
1/4" 20 Bolt 2.5" Long	2		$0.19	$0.38	Home Depot	https://www.homedepot.com/p/Everbilt-1-4-in-20-tpi-x-2-1-2-in-Zinc-Plated-Hex-B	
1/4" 20 Lock Nut 3 Pack	1		$1.18	$1.18	Home Depot	https://www.homedepot.com/p/Everbilt-1-4-in-20-tpi-Coarse-Stainless-Steel-Nylo	
1/4" ID 5/8" OD Washers 25 Pack	1		$2.71	$2.71	Home Depot	https://www.homedepot.com/p/Everbilt-1-4-in-Zinc-Plated-Flat-Washer-50-Piece-P	
1/2" long 8-32 Socket Head Cap Screws 50 pack	1		$5.68	$5.68	McMaster-Carr	https://www.mcmaster.com/91128a186	
8-32 Nylon Lock Nuts 100 Pack	1		$5.55	$5.55	McMaster-Carr	https://www.mcmaster.com/91831a400	
5.5" long 8-32 Socket Head Cap Screws 50 pack	1		$8.57	$8.57	McMaster-Carr	https://www.mcmaster.com/91251a200	
#10 Washers 100 Pack	1		$2.33	$2.33	McMaster-Carr	https://www.mcmaster.com/92146a611	
1/4" long 10-32 Socket Head Cap Screws 50 pack	1		$8.33	$8.33	McMaster-Carr	https://www.mcmaster.com/92125a634	
REV Spark Motor Controllers	2	$40 Voucher in kit can be used to get one free	$40.00	$40.00	Rev Robotics	http://www.revrobotics.com/rev-11-1200/	
420 Tooth 5mm HTD 15mm Wide Belt	1		$12.75	$12.75	VBelt Guys	https://www.vbeltguys.com/products/2100-5m-15-synchronous-timing-belt	https://www.gates.com/us/e
36T 15mm wide 5mm HTD Pulleys	2		$16.99	$33.98	Vexpro	https://www.vexrobotics.com/vexpro/pulleys/belts-and-pulleys/timing.html	
1/2" Hex Shaft	1		$14.99	$14.99	Vexpro	https://www.vexrobotics.com/shaft-stock.html	
18T #25 Hub Sprocket 3/8" Hex Bore	1		$7.99	$7.99	Vexpro	https://www.vexrobotics.com/vexpro/motion/sprockets-and-chain/25-sprockets.html	
36T #25 Plate Sprocket	1		$11.99	$11.99	Vexpro	https://www.vexrobotics.com/vexpro/motion/sprockets-and-chain/25-sprockets.html	
#25 Roller Chain 10 Feet	1		$11.99	$11.99	Vexpro	https://www.vexrobotics.com/vexpro/motion/sprockets-and-chain/#s-chain.html	
#25 Master Link 5 Pack	1		$2.99	$2.99	Vexpro	https://www.vexrobotics.com/vexpro/motion/sprockets-and-chain/roller-chain.html	
3" Colson Wheels	4		$6.99	$27.96	Vexpro	https://www.vexrobotics.com/vexpro/motion/wheels-and-hubs/colsonforma.html	
Voltage Regulator Module	1	Included in Rookie KOP	$0.00	$0.00	Vexpro	https://www.vexrobotics.com/217-4045.html	
Power Distribution Panel	1	Included in Rookie KOP	$0.00	$0.00	Vexpro	https://www.vexrobotics.com/217-5484.html	
Victor SPX Motor Controller	4	2 in Rookie KOP 2 in Main KOP	$0.00	$0.00	Vexpro	https://www.vexrobotics.com/217-5181.html	
CIM Motors	4	2 in Rookie KOP 2 in Main KOP	$0.00	$0.00	Vexpro	https://www.vexrobotics.com/217-2000.html	
Pool Noodles	4		$1.00	$4.00	Dollar Store		
				$431.91			