

Item Description	Quantity Required	Quantity Purchased	Spares	Cost Per Unit	Shipping Fees	Taxes	Total Cost	Seller	Notes
50:1 Ratio Gear Motor / 200w / 12mm Hollow Axle Shaft	2	2	0	\$140	\$20	\$36	\$336	KK Motors (PG Saw)	
Flanged U-Joint (custom built by PG Saw using an ATV Driveshaft)	1	1	0	\$50	Included with motors	\$6	\$56	KK Motors (PG Saw)	
Pioliu 16v19 G2JRK Motor Controller	2	2	0	\$131	n/c	\$32	\$294	RobotShop.ca	
Noctua 40mm 12volt Cooling Fan (for cooling the JRK's)	2	2	0	\$16	n/c	\$4	\$36	Amazon.ca	
Power Supply 12volt 500watt 40Amp	2	2	0	\$51	n/c	\$0	\$102	Amazon.ca	Import Seller (no tax)
Potentiometer Wire-Wound 10k 5watt	2	5	3	\$12	n/c	\$0	\$12	Amazon.ca	Shipped from China
10" triple wiring harness for JRK feedback potentiometers	2	10 pack	8	\$10	n/c	\$1	\$11	RobotShop.ca	
Aluminum Flexible Shaft Coupler	2	4	2	\$22	n/c	\$0	\$22	Amazon.ca	Shipped from China
3ft long 1/8" L-Shaped Steel Bar for Motor Brackets & Connecting Rod Brackets	1	1	0	\$20	n/c	\$0	\$20	Smith Sheet Metal Works	
3ft long 1/8" Flat-Steel Bar for Motor Levers	1	1	0	\$15	n/c	\$0	\$15	Smith Sheet Metal Works	
6ft 1/4" threaded rod for potentiometer brackets & additional motor rigidity	1	1	0	\$5	n/c	\$1	\$6	Home Depot	
3ft long 12mm threaded steel rod for motor axes	1	1	0	\$20	n/c	\$0	\$20	Smith Sheet Metal Works	
3ft long 3/8" fine-threaded steel rod for connecting rods	1	1	0	\$15	n/c	\$1.80	\$16.80	Brafasco HD Supply	
3/8" Rod End Bearings (fine thread)	4	5	1	\$18	n/c	\$10.80	\$100.80	Princess Auto	
Small Steel brackets for feedback potentiometers	2	4	2	\$5	n/c	\$0.60	\$5.60	RONA	
5ft 12 Gauge Silicone Wire (red + black set)	1	1	0	\$15	n/c	\$0	\$15	Amazon.ca	Import Seller (no tax)
XT60 Wire Connectors	4 pair	10 pair	6	\$15	n/c	\$0	\$15	Amazon.ca	Import Seller (no tax)
30Amp Fuse + Fuse Holder (between Power Supplies & JRK's)	2	2	0	\$10	n/c	\$1.20	\$11.20	Princess Auto	
Flanged Steel 4"x4" Fence Post Bracket / Support (for seat post / U-Joint)	1	1	0	\$15	n/c	\$1.80	\$16.80	Home Depot	
Flat-Black Paint 1L can "Tremclad" for all wooden parts	1	1	0	\$10	n/c	\$1.20	\$11.20	Home Depot	
Flat-Black Spray Paint "Rust-o-leum Painters Choice x2" for steel parts	1	1	0	\$10	n/c	\$1.20	\$11.20	Home Depot	
12mm Nuts (for axles)	6	10	4	\$5	n/c	\$0.60	\$5.60	Home Depot	
12mm Flat Washers (for axles)	12	15	3	\$3	n/c	\$0.36	\$3.36	Home Depot	
12mm Split Washers (for axles)	2	5	3	\$1	n/c	\$0.12	\$1.12	Home Depot	
3/8" Fine-Threaded Nuts (for connecting rods)	4	10	6	\$5	n/c	\$0.60	\$5.60	Brafasco HD Supply	
3/8" Split Washers (for connecting rods)	4	10	6	\$3	n/c	\$0.36	\$3.36	Brafasco HD Supply	
1/4" x 2 1/2" Stove Bolts (for motor brackets to base)	12	12	0	\$6	n/c	\$0.72	\$6.72	Home Depot	
3/4" Plywood (platform base) 24"W x 20" L	1	1	0	\$5	n/c	\$0.60	\$5.60	Home Depot	
2" x 8" Wood (for Motor Brackets & Power Supplies Risers) 20" L	2	2	0	\$5	n/c	\$0.60	\$5.60	Home Depot	