

Bolts	qty.		McMaster-Carr numbers
m3 x 8 button head screw	11		91239A113
m3 x10 flat head screw	5		91294A130
m5 x 7 shoulder bolt	1		90278A503
m5 x 45 shoulder bolt	1		90278A507
m5 x 40 shoulder bolt	1		90278A506
m4 nylock nut	3		93625A150
m5 x 30 shoulder bolt	1		90265A135
m2 x 10 screw	10		92290A017
m3 x 16 set screw	4		91390A107
m3 x 60 dowel	1		91595A146
m4 x 36 dowel pin	1		91595A140
m3 x 60 dowel	1		91595A146
Aluminium M3 Flat Washer 1.0mm (10 Pcs) - Pink	1		https://www.tqrcracing.com/shop/product_view.asp?p_id=1775
Aluminium M3 Countersink Washer (10 Pcs) - Pink	1		https://www.tqrcracing.com/shop/product_view.asp?p_id=3453
4mm Aluminum Locknut Serrated (8pcs) - Pink	1		https://www.tqrcracing.com/shop/product_view.asp?p_id=1198
m2 x 8 captive pin	4		95648A340
m4 x 20 shoulder bolt	2		92981A145
Aluminum Unthreaded Spacer, 8 mm OD, 6 mm	2		94669A042
Shocks			
ZH Oil Damped Forks 2018/203B/205B	1	39.99	http://2wheelhobbies.com/product_info.php?products_id=1921
1/10 Touring car shock 55mm	1	27.99	https://www.tqrcracing.com/shop/product_view.asp?p_id=1259
Steering			
Steering Damper DEN-B15	1	9.99	http://2wheelhobbies.com/product_info.php?products_id=1896
Steering Link -GPV-1 VEN-0230	1	4.49	http://2wheelhobbies.com/product_info.php?products_id=775
4mm ball screw	2	3.89	http://2wheelhobbies.com/product_info.php?products_id=1229
Tires/wheels			
any 1/8 scale tire works <i>*possible iterations:</i>			http://2wheelhobbies.com/index.php?cPath=27_43_98
Printed Rims and Tires			
<i>Front Rim and Rear Rim 3d printed</i>			
Carbon Fiber Wheel			
GRP 1/8 Carbon Wheels	2	12.99	http://2wheelhobbies.com/product_info.php?products_id=2101
GRP 1/8 Front Soft	1	13.75	http://2wheelhobbies.com/product_info.php?products_id=2104
GRP 1/8 Rear Soft	1	19.99	http://2wheelhobbies.com/product_info.php?products_id=2105
Mechanical Gryoscope Rear wheel:			
Gyro Whole without tire	1	48.9	https://www.asiatees.com/display?X-Rider-Mars-Parts-Hop-Ups-Upgrades&brand=X-Rider&model=Mars&id=139562&pid=1
Rear Inner Tube (Gyro)	1	8.46	https://www.asiatees.com/display?X-Rider-Mars-Parts-Hop-Ups-Upgrades&brand=X-Rider&model=Mars&id=139596&pid=1
Rear tire (Slick)	1	10	https://www.asiatees.com/display?X-Rider-Mars-Parts-Hop-Ups-Upgrades&brand=X-Rider&model=Mars&id=139597&pid=1
Bearings			
5 x 10 x 4 bearing (wheel bearing)	4	4.49	https://www.tqrcracing.com/shop/product_view.asp?p_id=2294
4 x 8 x 2.5 bearing	1	9.95	VXB bearing
3 x 6 x 2.5 bearing	1	1.89	https://www.tqrcracing.com/shop/product_view.asp?p_id=4712
Servos			
Hitec HS-311	1	12.78	https://www.amazon.com/gp/product/B000603WVE/ref=oh_aui_search_detailpage?ie=UTF8&psc=1
HobbyKing™ HK-5320 Ultra-Micro Digital Servo	1	3.55	https://hobbyking.com/en_us/hk-5320-ultra-micro-digital-servo-1-7g-0-05sec-0-075kg.html
Drivetrain			
48 Pitch Spur Gear 71T	1	5.49	https://www.tqrcracing.com/shop/product_view.asp?p_id=4504
38T Pulley For Sakura D3	1	2.99	https://www.tqrcracing.com/shop/product_view.asp?p_id=6969
Aluminum Center Pulley Gear T13	1	9.49	https://www.tqrcracing.com/shop/product_view.asp?p_id=6081
Belt			
BESTORQ 228-3M-6 3M Timing Belt	1	11.62	https://www.amazon.com/gp/product/B00J9U6RGI/ref=oh_aui_search_detailpage?ie=UTF8&psc=1
Tools			
1.5mm Allen wrench	1	4.11	
2mm Allen wrench	1	6.98	
2.5mm Allen wrench	1	6.97	
T-handle tap Wrench with m3 tap	1	12.99	
Battery			
Venom Battery 2000 mah 7.4 Lipo	1	29.44	https://www.amazon.com/gp/product/B002AK38TS/ref=oh_aui_search_detailpage?ie=UTF8&psc=1
Motor Options			
Associated 910 5000Kv Reedy Micro Motor	1	32.99	https://www.teamassociated.com/parts/details/910-ASC910-reedy_micro_brushless_motor_5000kv/
Associated 910 7000Kv Reedy Micro Motor		19.99	https://www.teamassociated.com/parts/details/913-ASC913-reedy_micro_brushless_motor_7000kv/
Associated 910 9500Kv Reedy Micro Motor		19.99	https://www.teamassociated.com/parts/details/915-ASC915-reedy_micro_brushless_motor_9500kv/
ESC			
Hobbywing Quicru-WP-16BL30 Waterproof ESC 1/8 (or equivalent 1/18, 1/16 scale esc)	1	24.99	https://www.amazon.com/gp/product/B00P8C2RQA/ref=oh_aui_detailpage_o06_s00?ie=UTF8&psc=1