

Bolts	qty.	McMaster-Carr numbers
m3 x 8 button head screw	13	91239A113
m3 x10 flat head screw	5	91294A130
m5 x 7 shoulder bolt	1	90278A503
m5 x 45 shoulder bolt	1	90278A507
m4 nylock nut	3	93625A150
m5 x 30 shoulder bolt	1	90265A135
m2 x 10 screw	10	92290A017
m3 x 16 set screw	8	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 Aluminium 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	3	92981A145
Aluminium Unthreaded Spacer, 8 mm OD, 6 mm	2	94669A042
m2 x 6 screw	6	91290A015
m2 x8 screw	7	91290A013
m2 nut	8	90591A265
Shocks		
ZH Oil Damped Forks 2018/2038/2058	1	39.99 http://2wheelhobbies.com/product_info.php?products_id=1921
1/10 Touring car shock 35mm	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 *possible iterations:		http://2wheelhobbies.com/index.php?cPath=27_43_98
<i>Printed Rims and Tires</i>		
<i>Front Rim</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
<i>Mechanical Gryoscope Rear wheel:</i>		
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
Aluminium 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/B0019U6RGI/ref=oh_aui_search_detailpage?ie=UTF8&psc=1
Roll Bars		
Anit-Roll Bar Post	1	7.23 https://www.asiatees.com/display?X-Rider-Mars-Parts-Hop-Ups-Upgrades&brand=X-Rider&model=Mars&id=139589&pid=1
Anti-Roll Bars	1	3.85 https://www.asiatees.com/display?X-Rider-Mars-Parts-Hop-Ups-Upgrades&brand=X-Rider&model=Mars&id=139566&pid=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		
Turnigy 1000mAh 2S 20C Lipo Pack Battery	1	29.44 https://www.amazon.com/gp/product/B0072AEHIC/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