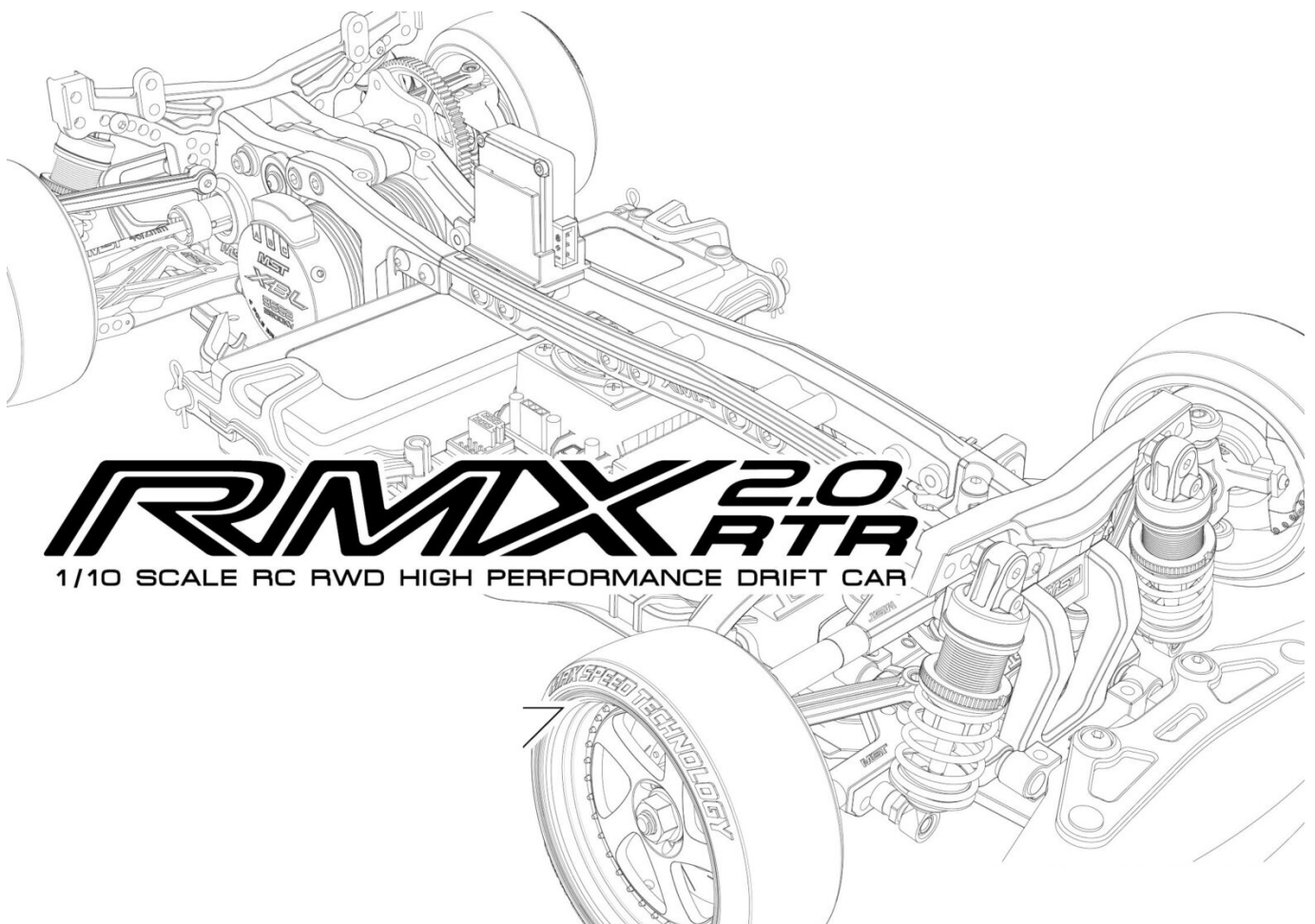




MST RMX 2.0 2WD Brushless RTR Drift Car User Manual

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MST
MAX SPEED TECHNOLOGY



**EXPLODED MANUAL
ON-ROAD USE ONLY**

SPECIFICATION: 1:10 Drift Car

WHEELBASE: 257mm

WIDTH: 190mm

DRIVE MODE: RWD

CASTER: Adjustable 6/ 8/ 10/ 12 degrees

FULL BALL BEARING TRANSMISSION SYSTEM HYDRAULIC DAMPER SET

www.rc-mst.com

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

**RMX 2.0
RTR**

1/10 SCALE RC RWD HIGH-PERFORMANCE DARAIFT CAR

Appreciate for your choice of RMX 2.0 RTR! You will be impressed with its performance and beauty.

Please prepare additional parts as car battery, transmitter battery, and charger.

Please follow the process for assemble and setting of parts package.

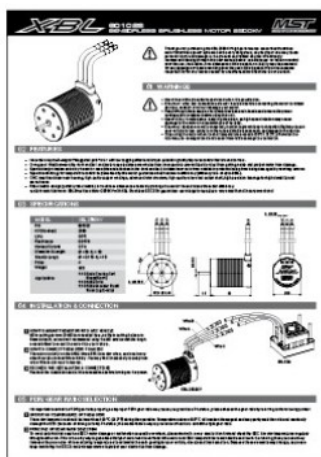
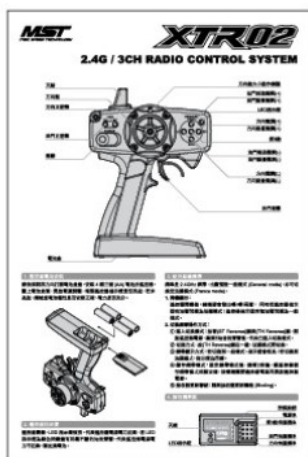
If you have doubt or need assistance, please contact the purchased shop or hobby shop for help, many thanks!

PLEASE FOLLOW BELOW OPERATIONS BEFORE ASSEMBLING THE PARTS PACKAGE.

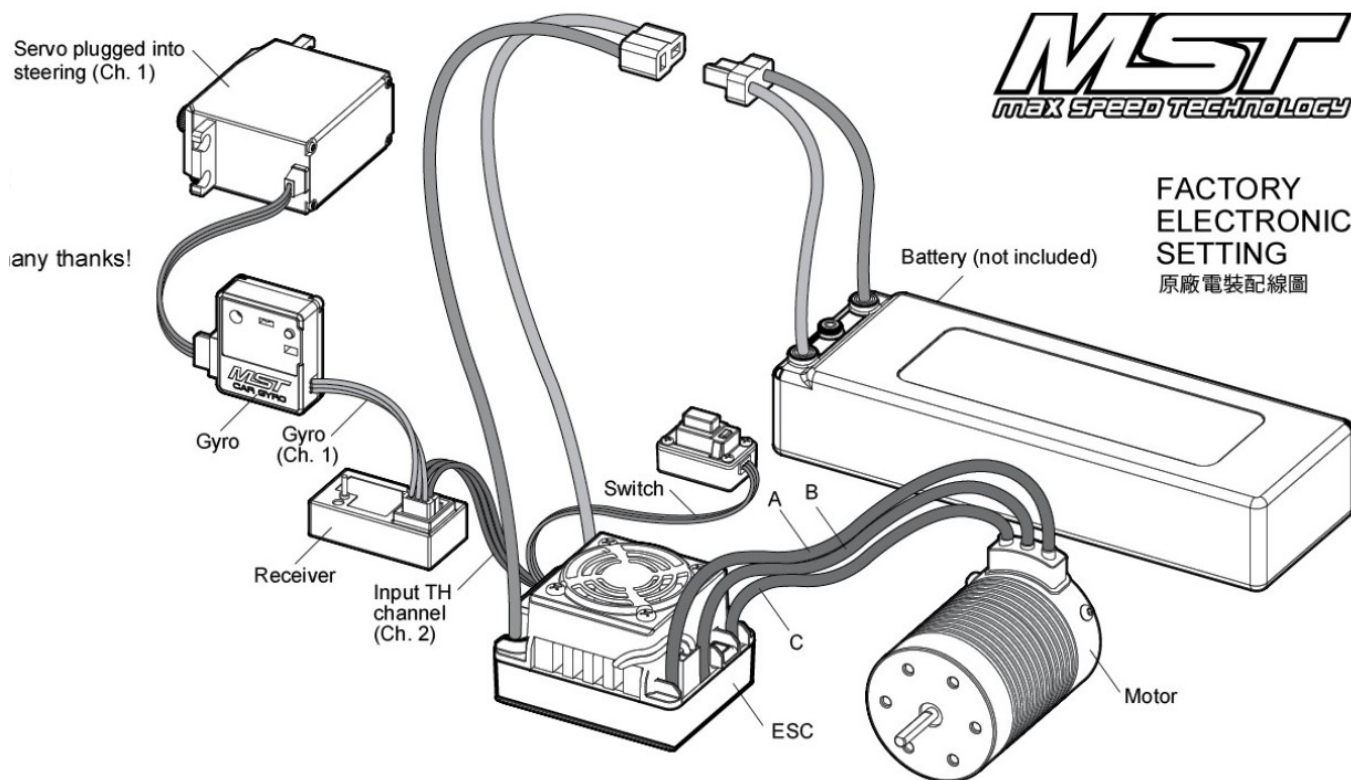


1. Install transmitter batteries.
2. Loosen receiver antenna.
3. Connector ESC and battery.
4. Switch on the transmitter.
5. Switch on the ESC.
6. Stand the car around 3 seconds till the front wheels turn once in the left/right direction.
7. Individually turn the left/right direction of the remote control to the end to complete the boot process.

- Please play this product in opening safe area.
- The default setting had been completed.
- RMX 2.0 RTR electronics (Transceiver set/ESC/Gyro) are set by factory and can be directly used after attaching battery. Please refer to instructions for adjusting.



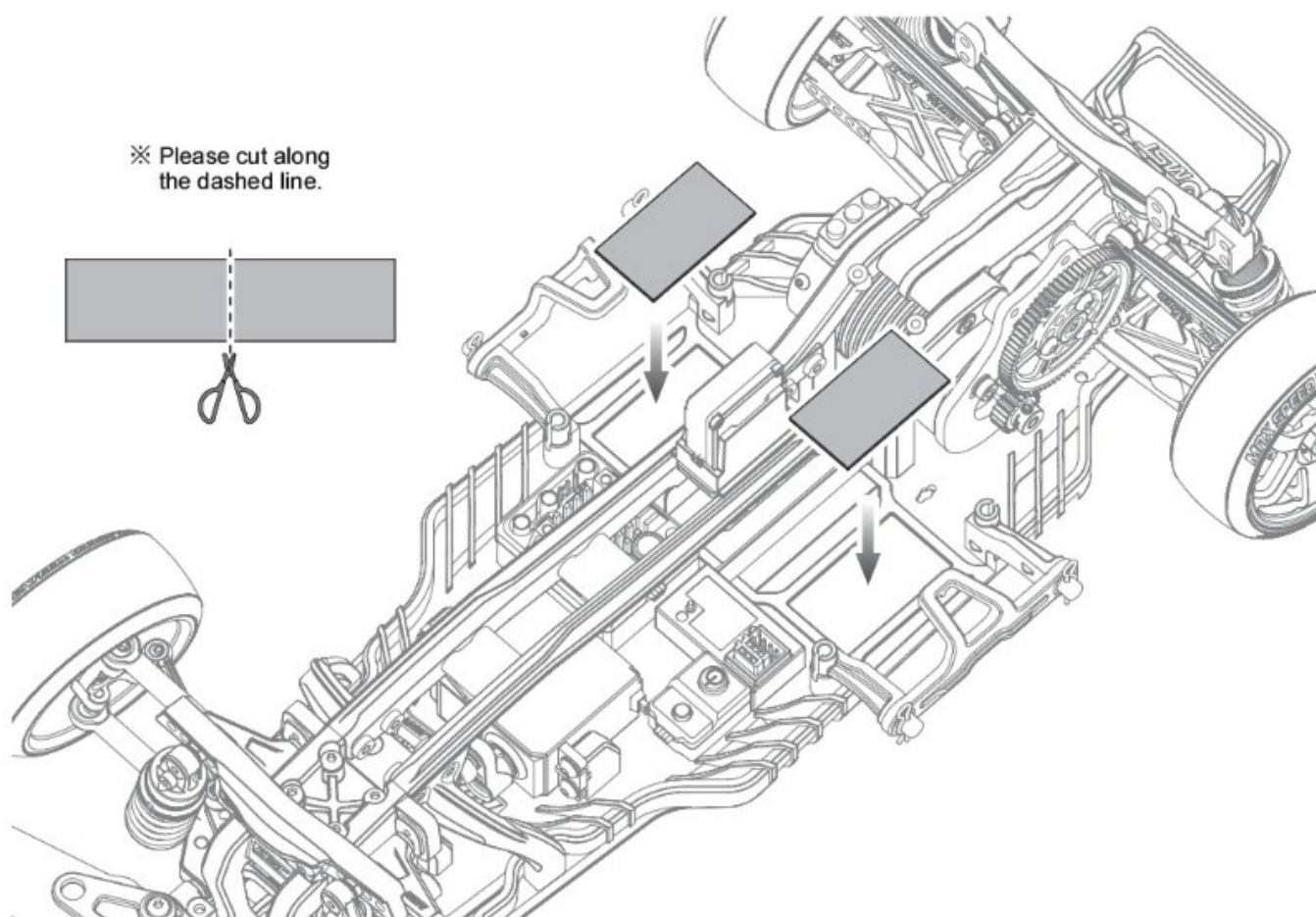
- Please refer to transmitter & receiver performance instructions.
- Please refer to ESC performance instructions.
- Please refer to LSD X CAR GYRO performance instructions.



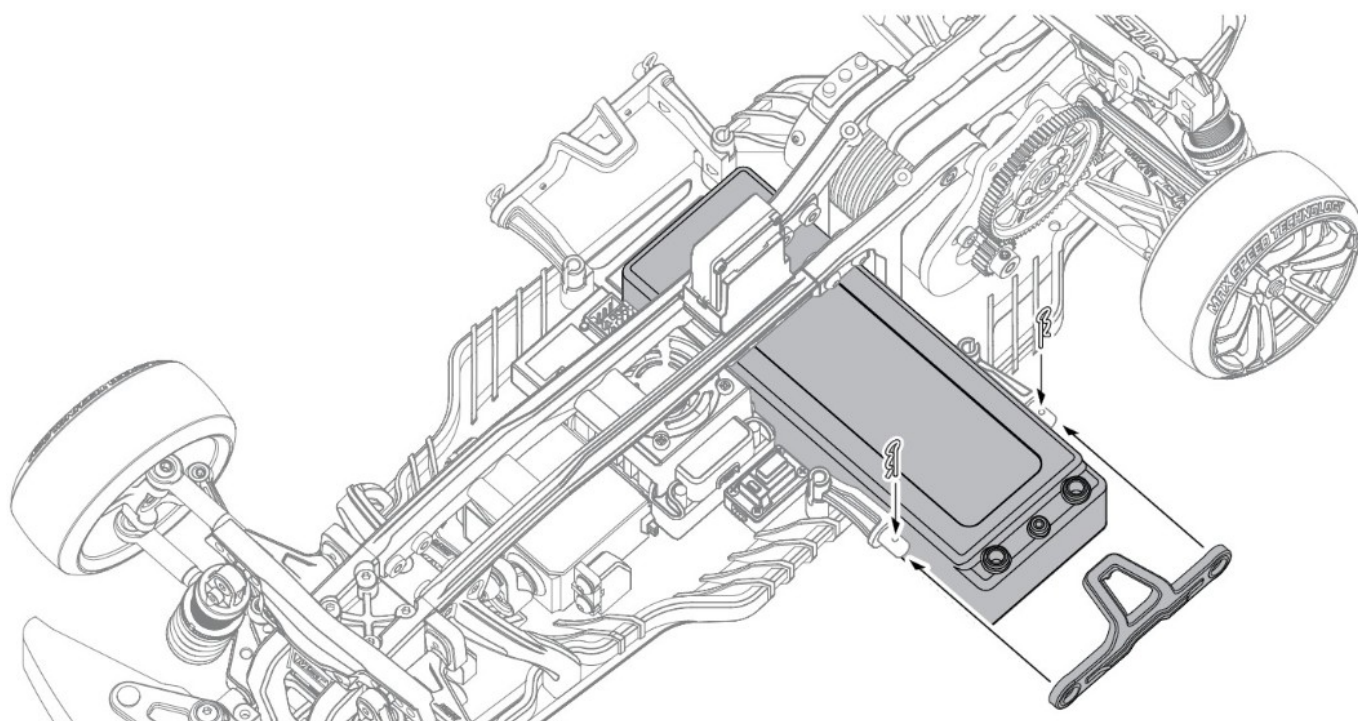
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- 1 STEP 1 Pasting Sponge
- 2 STEP 2 Attaching Battery
- 3 STEP 3 Attaching Body Mount
- 4 EXPLODED VIEW
- 5 PARTS
- 6 SETUP SHEET ORIGINAL SETTING
- 7 GEAR PARIS
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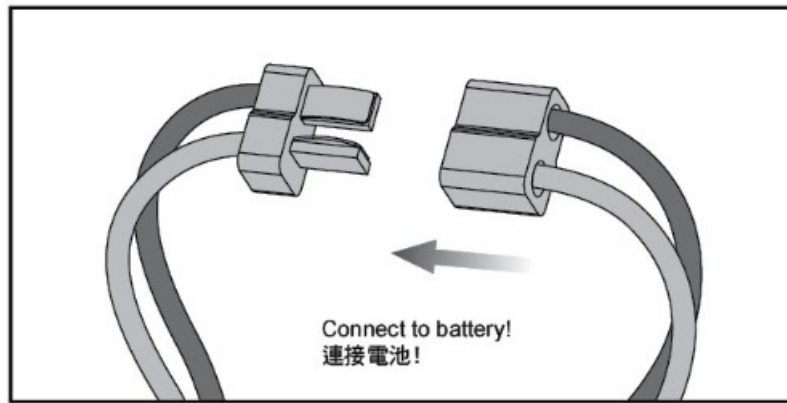
STEP 1 Pasting Sponge



STEP 2 Attaching Battery

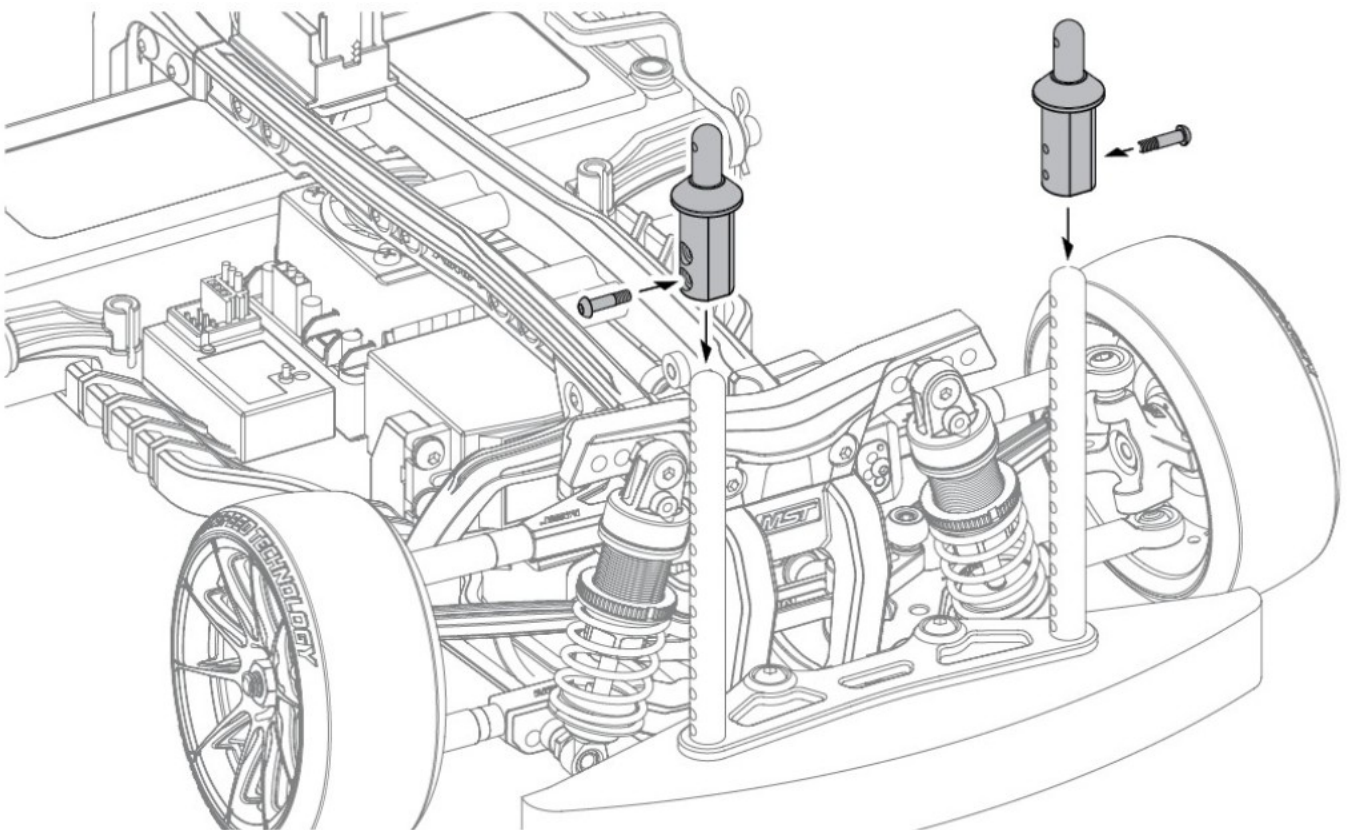


- The assembly and conservation method may be different by specification of
- Recommended battery measurement L140 <W48 XH25.4mm (not exceed)

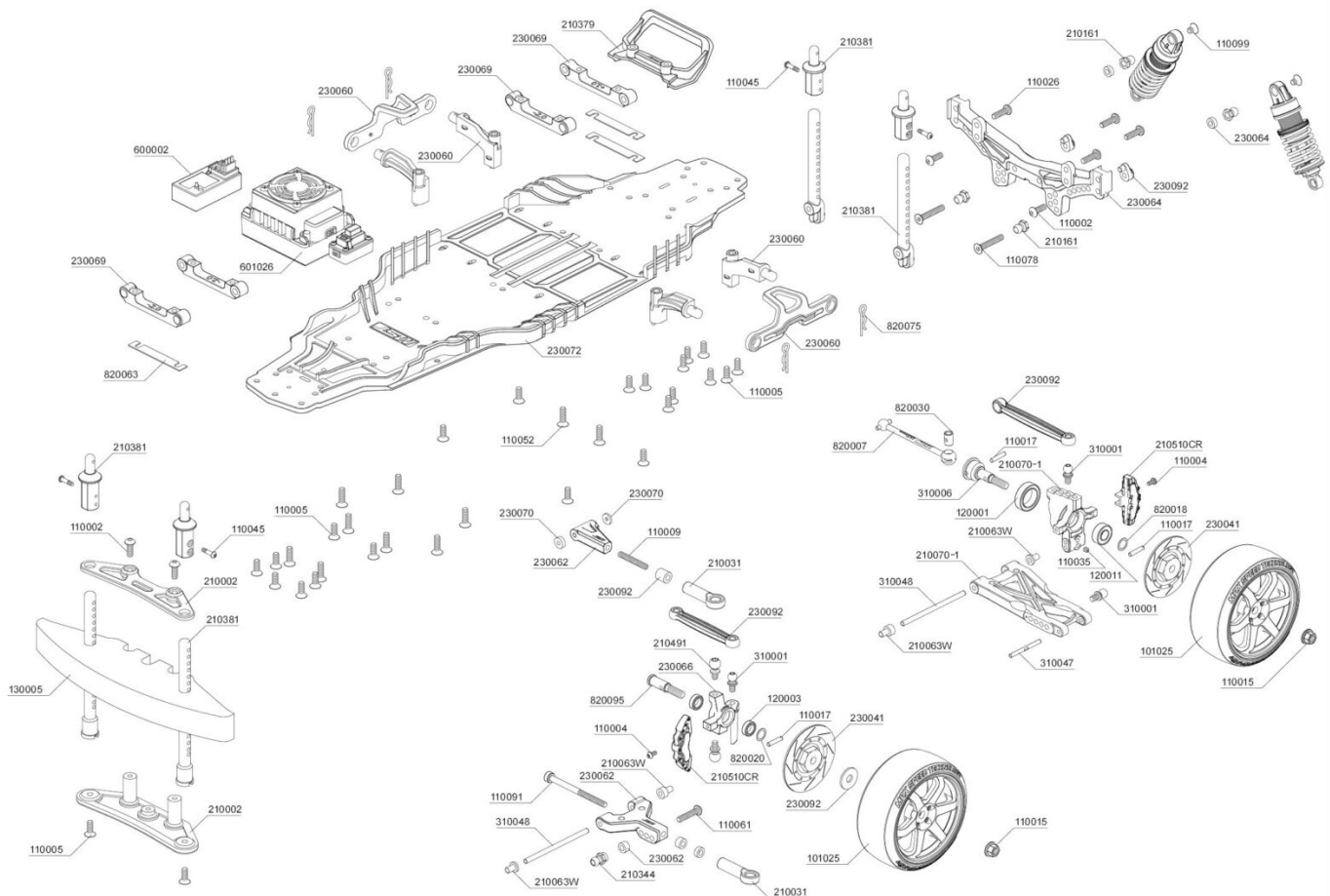


- Please play in safe place after all setting finish.
Before playing, please switch on transmitter then on the car.
Please switch off reversely.

STEP 3 Attaching Body Mount



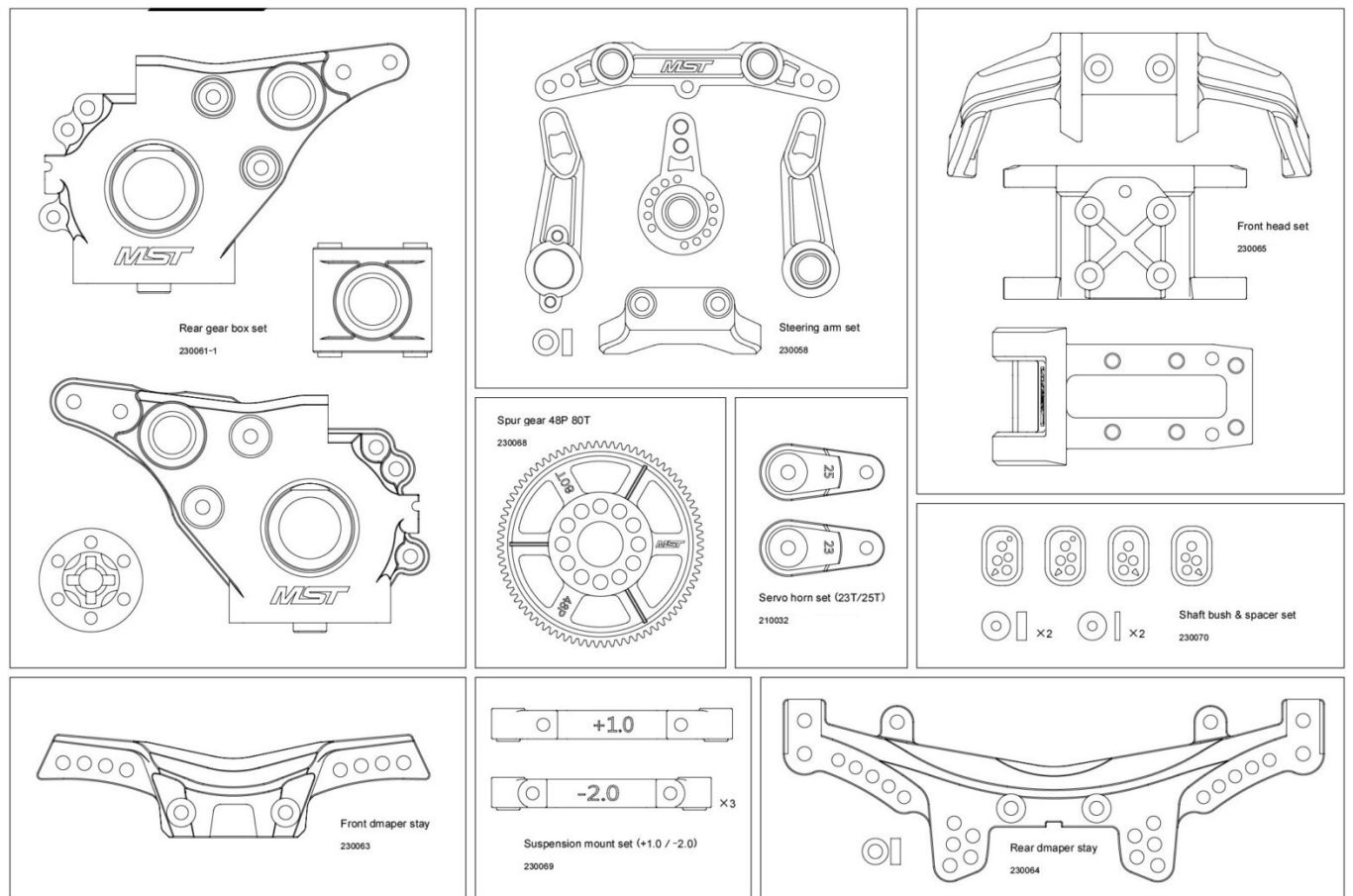
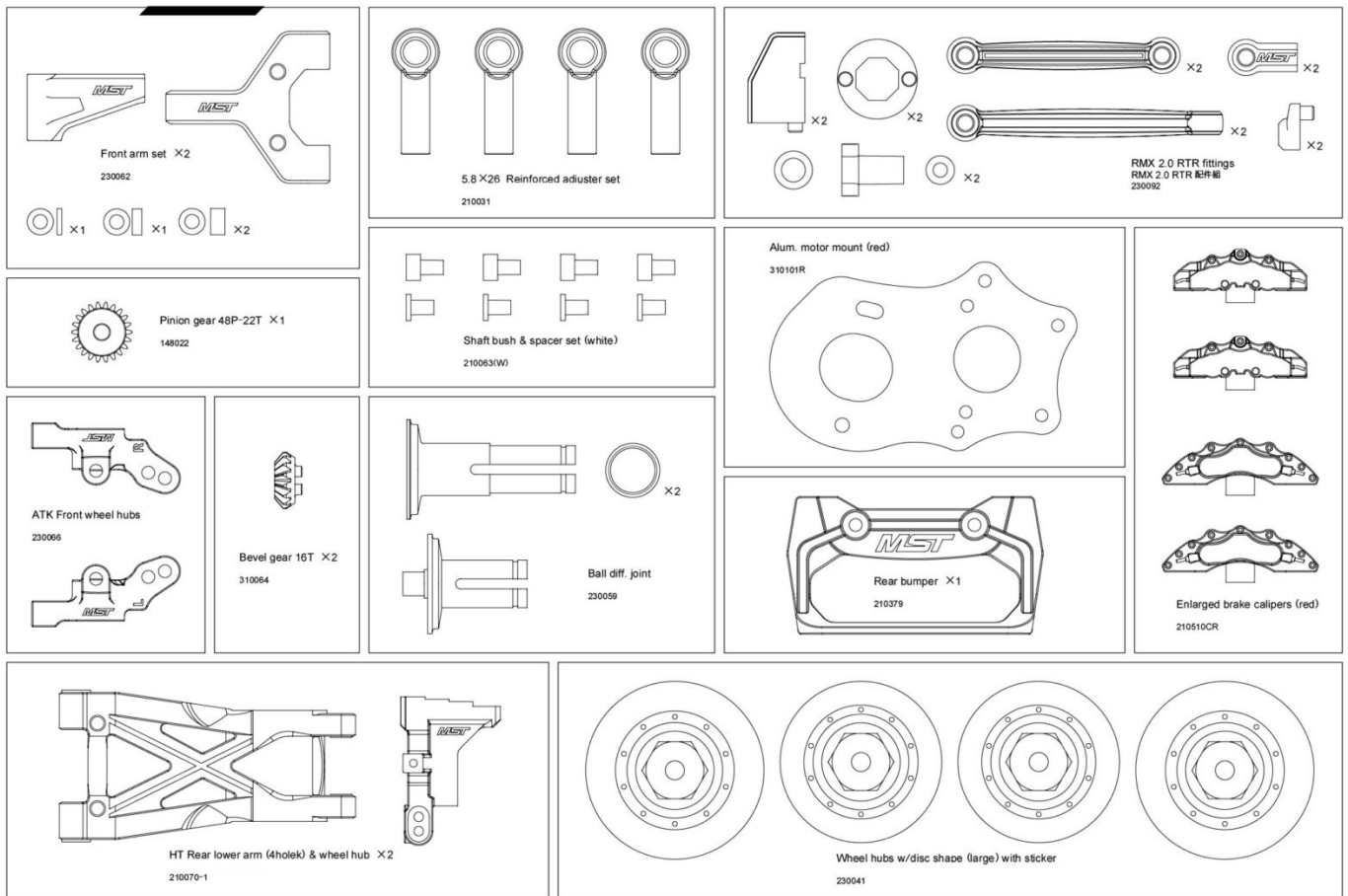
- Adjust the body mount highness according to the body shell.

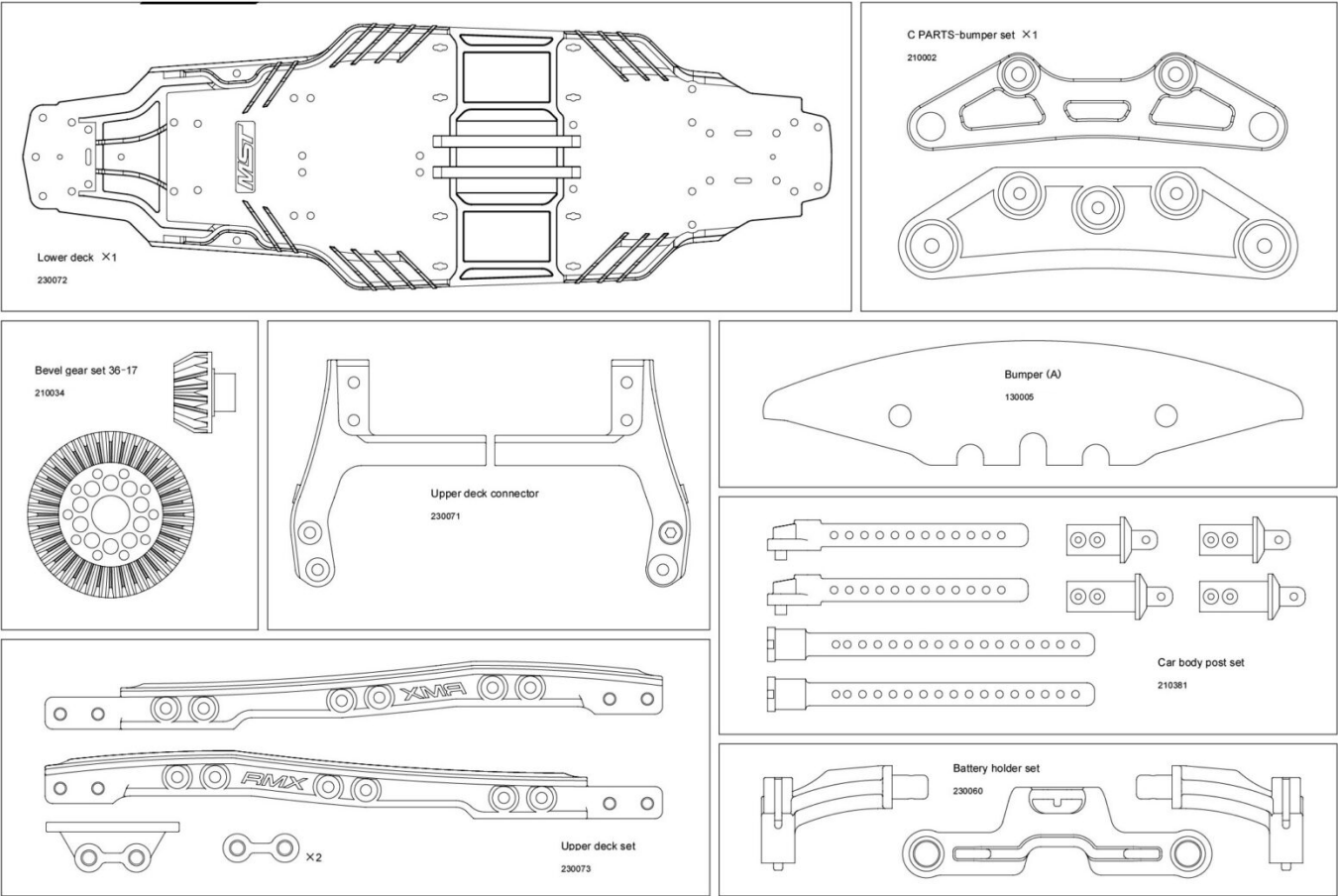


PARTS

M2×4 Screw X8 110004	2.6×5.8×0.6 Spacer X1 110080	M3×8 Screw X4 110120	E-clip 2.5 X1 E形扣 110079
M2×6 Screw X1 110044	3×6×0.5 Spacer X7 墊片 110047	M3×3 Screw X3 110035	E-clip 3.0 X1 E形扣 110070
M2×8 Screw X2 110053	3×8×0.5 Spacer X1 墊片 110048	M3×10 Screw X1 止付螺絲 110032	Cross joint X2 連桿軸 820030
M2×8 Screw X4 110045	5×7×0.1 Spacer X2 墊片 820018	M3×20 Screw X2 止付螺絲 110009	1.5×7.8 Shaft X2 插銷 110059
M2×5×5 Screw X1 110102	5×7×0.3 Spacer X2 墊片 820020	4.8 Ball connector X7 外六角球頭 210161	2×9.8 Shaft X7 插銷 110017
M3×6 Screw X4 110001	3×6×2.5 Bearing X4 軸承 120024	4.8 Ball connector L X2 外六角球頭 (長) 210344	2×22 Shaft X2 插銷 310047
M3×8 Screw X26 110002	5×8 Bearing X4 軸承 120017	4.8×4.5 Ball connector X9 球頭螺絲 310001	2×28 Shaft X2 插銷 310103
M3×10 Screw X10 110026	4×10 Ball bearing X1 球頭 120018	5.8×4 Ball connector (L) X4 球頭螺絲 (長) 210491	2.5×46 Arm shaft X4 臂桿插銷 310048
M3×14 Screw X6 110061	5×8 Ball bearing X4 球頭 120003	M3×6 Screw X2 有頭螺絲 (半牙) 110011	Bevel gear shaft X1 傘齒輪 310102
M3×16 Screw X1 110086	5×10 Ball bearing X1 球頭 120002	M3×30 Screw X1 有頭螺絲 (半牙) 110100	R-clip 5.0 X4 R卡 5.0 820075
M3×4 screw X4 110099	5×11 Ball bearing X2 球頭 120011	M3×40 Screw X5 有頭螺絲 (半牙) 110091	Suspension mount spacer 0.5mm X3 避震座墊片 0.5mm 820063
M3×8 Screw X25 110005	8×12 Ball bearing X2 球頭 120019	2WD Axle X2 二驅軸 820095	Main shaft X1 主軸 310105
M3×10 Screw X10 110052	10×15 Ball bearing X4 球頭 120001	Wheel axle X2 輪軸 310006	Steel CVD universal shaft 48 X2 鋼管CVD萬能軸 48 820007
M3×12 Screw X2 110043			
M3×18 Screw X2 110078			
M3×20 Screw X2 110101			

Soft coil spring 31mm X2 (purple-yellow) 軟避震彈簧 31mm (紫黃) 820104-4	Hard coil spring 31mm X2 (red) 硬避震彈簧 31mm (紅) 820103-4
Damper cylinder X4 避震筒 210071	Piston rod X4 避震軸心 310008
Cylinder cap X4 避震筒上蓋 210057	Piston X4 避震活塞 210082
Rod guide cap X4 避震桿下蓋 210057	Damper adjuster X4 避震器拉桿 820079
Rod guide X4 避震桿下蓋墊片 210082	10.8×0.9 O-ring X4 O環 130032
	12×1 O-ring X4 O環 130049
	Spring retainer (red) X4 避震器固定 (紅) 310106R
	E-clip X8 E形扣 110013
	Damper O-ring P3 X4 避震器O環 130028





SETUP SHEET ORGINAL SETTING

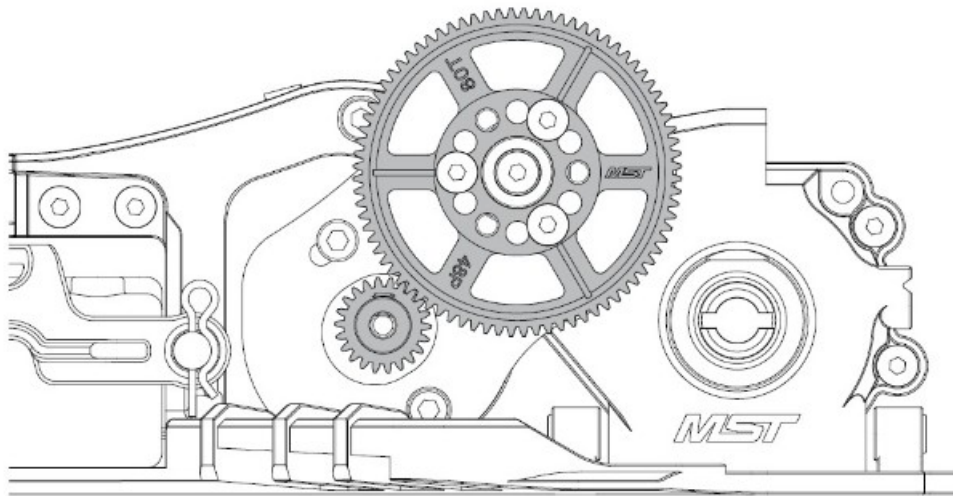
DATE: _____ SURFACE: _____ NOTE: _____
 TRACK: _____ GRIP: _____

Caster ☐ 6° ☐ 8° ☒ 10° ☐ 12°	Front wheel hubs 0/1 mm	Centered ☒ Centered low gravity ☐ Centered upper motor	Rear wheel hubs 0 mm	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">FRONT</th> <th style="text-align: center;"></th> <th style="text-align: right;">REAR</th> </tr> </thead> <tbody> <tr> <td>Tire: _____</td> <td></td> <td>Tire: _____</td> </tr> <tr> <td>Wheel: _____</td> <td></td> <td>Wheel: _____</td> </tr> <tr> <td>Offset: +3/+5</td> <td></td> <td>Offset: +3/+5</td> </tr> </tbody> </table>	FRONT		REAR	Tire: _____		Tire: _____	Wheel: _____		Wheel: _____	Offset: +3/+5		Offset: +3/+5
FRONT		REAR														
Tire: _____		Tire: _____														
Wheel: _____		Wheel: _____														
Offset: +3/+5		Offset: +3/+5														
Front damper stay				Rear damper stay												
Camber: -6° Toe-in: -8° Ride height: 6 mm				Rear diff ☒ Spool ☐ Ball diff.												
Front upright	Rear upright															
Steering	Rear Suspension mount Rollicenter															
Front lower arm				Rear lower arm												
Front damper Shock oil: #10 Spring color: Red Spring: 3l mm #11 Piston: Ø12 mm Piston hole: 3				Rear damper Shock oil: #10 Spring color: Purple-yellow Spring: 3l mm #11 Piston: Ø12 mm Piston hole: 3												
Spur Gear ÷ Pinion Gear × Reduction Gear = Gear ratio 80 T ÷ 22 T × 2/12 = 7.71																
Motor & ESC: _____ Battery: _____ Transceiver: _____ Gyro: _____ Sensitivity: _____																

* Please download the blank setup sheet at [www.rc-mst.com].

RMX 2.0 RTR

GEAR PARIS



*** FORMULA**

$$\left(\frac{\text{Spur gear teeth}}{\text{Pinion gear teeth}} \times \frac{\text{Diff. ring gear}}{\text{Diff. pinion gear}} \right) = \text{Gear ratio}$$

	34T/18T <1.89> 210069	36T/17T <2.5> 210034	40T/13T <2.5> 210034	40T/13T <3.03> 210035	42T/11T <3.82> 210036
22T	6.87	7.7 Original setting	9.09	11.19	13.88
23T	6.57	7.37	8.7	10.70	13.
24T	6.3	7.06	8.33	10.	13.
25T	6.04	6.78	8	10.	12.
26T	5.81	6.52	7.69	9.	12.
27T	5.6	6.27	7.41	9.	11.
	Apply to 310102 bevel near shaft.			Apply to 310104	bevel gear shaft.

CS-R

TIRE COMPOUND CHART		
YELLOW	830001	SOFT HARD
RED	101024/ 830002	
GREEN	830003	
GOLD	101025/ 830009	
SILVER	101026	
PURPLE	101029	HP
BLUE	101028	for asphalt
ORANGE	101030	for carpet
PC	101027	

PARTS CODE

101 025	CS-R tire (medium) (4)	110 100	Cap screw M3 X3 0 (6)	21006 3W	Shaft bush & spacer set (white)	3100 06	Wheel axle (2)
110 001	Round head screw M3X6 (10)	110 101	Countersunk screw M3 X20 (6)	21007 0-1	HT Rear lower arm (4 holes) & wheel hub	3100 08	Piston rod (4)
110 002	Round head screw M3 X 8 (10)	110 102	Round head screw M2.5 X 5 (6)	21007 1	Damper cylinder (2)	3100 47	Arm shaft 2.0 X22 (2)
110 004	Round head screw M2 X4 (6)	110 107	Round head screw M2.5 X18 (6)	21008 2	Piston spacer set	3100 48	Arm shaft 2.5 X46 (4)
110 005	Countersunk screw M3X8 (10)	110 120	Round head screw w/washer M3 X 8 (6)	21016 1	Ball connector nut 4.8 (4)	3100 64	Bevel gear 16T (2)

110 009	Set screw M3 X20 (6)	120 001	Ball bearing 10X 15 (4)	21034 4	Ball connector nut L 4.8 (4)	3101 01R	RMX Alum. motor mount (red)
110 011	Cap screw M3 X 6 (6)	120 002	Ball bearing 5 X10 (4)	21037 9	Rear bumper	3101 02	RMX bevel gear shaft
110 013	E-dip 2.0 (10)	120 003	Ball bearing 5X8 (4)	21038 1	Car body post set	3101 03	Arm shaft 2 X28 (2)
110 015	Flange nut M4 (4)	120 011	Ball bearing 5X11 (4)	21049 1	Ball connector L 5.8X4 (4)	3101 05	RMX Main shaft
110 017	Shaft 2 X9.8 (10)	120 017	Bearing 5X8 (4)	21051 0CR	Enlarged brake calipers (red) (4)	3101 06R	Spring retainer (red) (2)
110 032	Set screw M3 X10 (6)	120 018	Ball bearing 4 X10 X4 (2)	23004 1	Wheel hubs w/disc shape (large)	6000 02	XTR-02 2.4G Transceiver set
110 035	Set screw M3 X3 (6)	120 019	Ball bearing 8 X12 (2)	23005 8	Steering arm set	6010 21	MST SC-0352 Servo
110 043	Countersunk screw M3 X12 (10)	120 024	Bearing 3x6 X2.5 (4)	23005 9	Ball diff. joint	6010 25	XBL Brushless ESC 50A
110 044	Round head screw M2 X6 (6)	130 004	Oil seal (4)	23006 0	Battery mount	6010 26	XBL Brushless motor 2500KV
110 045	Round head screw M2 X 8 (partial thread) (6)	130 005	Bumper (A)	23006 1-1	Rear gear box set	8200 07	Steel CVD great angle universal shaft 48 (2)
110 047	Spacer 3 X6 X 0.5 (8)	130 006	Double sided tape (5)	23006 2	Front arm set	8200 18	Spacer 5 X 7 X0.1 (8)
110 048	Spacer 3 X8 X 0.5 (8)	130 017	Inner sponge (8)	23006 3	Front damper stay	8200 20	Spacer 5 X 7 X0.3 (8)
110 052	Countersunk screw M3 X10 (10)	130 028	Damper O-ring P3 (blue) (10)	23006 4	Rear damper stay	8200 30	Cross joint (2)
110 059	Shaft 1.5 X7.8 (8)	130 032	Damper cap O-ring (10)	23006 5	Front head set	8200 75BK	R-dip 5.0 (black) (10)
110 061	Round head screw M3 X 14 (6)	130 034	Sponge 20 X80 X 1 (4)	23006 6	ATK Front wheel hubs	8200 79	Damper plastic maintenance set (2)
110 063	Round head screw M2 X 8 (6)	130 035	L Wrench set (1.5 & 2.0 & 2.5)	23006 8	Spur gear 48P-80T	8200 95	NW 2WD axle (2)
110 070	E-dip 3.0 (10)	130 049	O-ring 12X1 (4)	23006 9	Suspension mount set (+1.0/-2.0)	8201 03-4	31mm Hard coil spring (super-soft) (2)
110 078	Countersunk screw M3 X18 (6)	148 022	MST 48P Pinion gear 221	23007 0	Shaft bush & spacer set	8201 04-4	31mm Soft coil spring (super-soft) (2)
110 079	E-dip 2.5 (10)	210 002	C PARTS-bumper set	23007 1	Upper deck connector	8410 13	LSD X Gyro

110 080	Spacer 2.6 X 5.8X 0.6 (8)	210 031	Reinforced adjust er set 5.8 X 26	23007 2	RMX Lower deck		
110 086	Round head screw M3 X 16 (6)	210 032	Servo horn set (23 1725T)	23007 3	RMX Upper deck set		
110 091	Cap screw M3 x 40 (6)	210 034	Bevel gear set 36- 17	23009 2	RMX 2.0 RTR fitti ngs		
110 099	Countersunk screw M3 X4 (10)	210 057	Damper cap set	31000 1	Ball connector 4,8 X4.5 (5)		

RMX 2.0 RTR

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Documents / Resources

	MST RMX 2.0 2WD Brushless RTR Drift Car [pdf] User Manual RMX 2.0 2WD Brushless RTR Drift Car, RMX 2.0, 1-10 2WD Brushless RTR Drift Car, Brushless RTR Drift Car, Drift Car
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