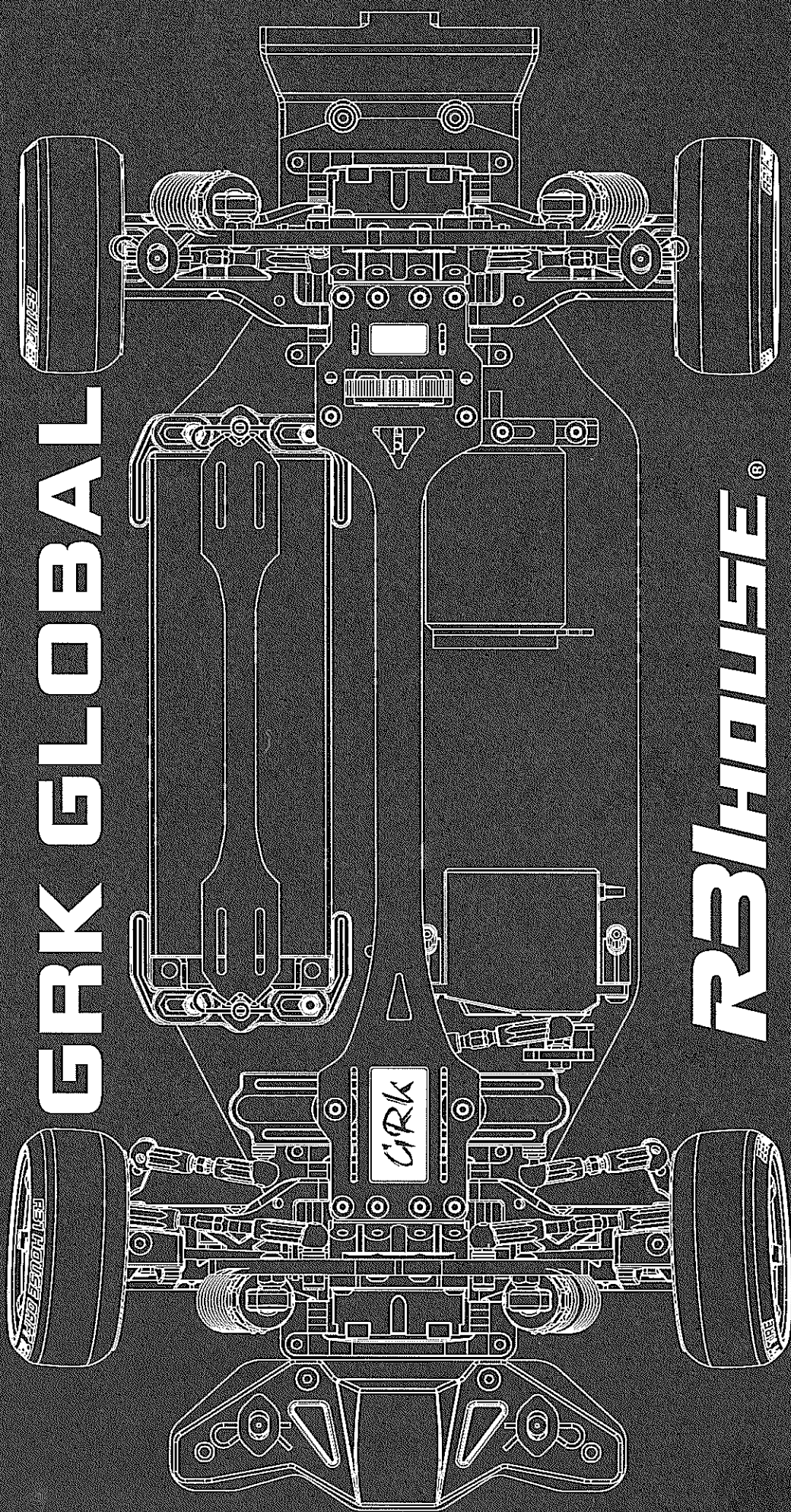




GRK GLOBAL

R3/HOUSE®

安全に楽しんで頂くための 注意事項

お子様（中学生以下）が組立・走行する際は、必ず保護者の方が付き添い 安全を確認して下さい。

組立の注意

- 幼児のいる場所では組み立てないで下さい。小さな部品を飲み込む等、非常に危険です。
- 組立の前に必ず内容をお確かめ下さい。万一不良部品、不足部品などがあった場合は、カスタマーサービスまでお問い合わせ下さい。
- 組立の前に説明書を最後まで読み、全体の流れをつかむと効率的な組立ができます。
- 組み立てる際は、様々な工具が必要になります。安全の為に必ず作業内容に合った工具を使用して下さい。又、カッターナイフ等を使用する際は危険を伴いますので、注意して下さい。
- 部品には様々な素材を使用しています。切削加工された金属パーツ等はエッジが鋭く、慎重な組立が必要となります。ケガをしないように注意して下さい。
- プラスティックパーツなどを切断する際は、切断した部品が飛ぶ危険があるので、注意して下さい。
- 回転部や駆動部はできるだけスムーズに動作するように組み立てて下さい。
- 配線やコード類はきれいにまとめて下さい。回転部分や走行路面にコードが接触すると危険です。又、配線は確実に接続されていないとショートなどの恐れや、性能を十分に発揮出来ない場合があります。
- 必要以上の分解、改造をすると安全性が低下したり走行性能が十分に発揮出来なくなる場合があります。

走行の注意

- R/C カーは、時速 40km を超える速いスピードが出るモデルもあります。ルールを守って安全な場所や、R/C カー用サーキットで走らせて下さい。
- 公道等、周囲の人の迷惑になるような場所では絶対に走らせないでください。
- R/C カーは電波を利用する為 何らかのトラブルで最悪の場合は暴走することがあります。狭い場所や室内は避け、出来るだけ広い、障害物の無い場所で走らせて下さい。
- 周囲に R/C カーを走らせている人がいる場合は、電波が重ならないように、周波数を確認し合って、安全を確かめて下さい。
- R/C カーは水を嫌います。雨の日や、水たまりのある場所で走らせると、R/C メカが壊れたり、暴走する危険があります。
- R/C カーの駆動部分、ギヤ、タイヤなどは高回転で回ります。バッテリーを接続した後は危険ですので、回転部分に手を触れないで下さい。
- 走行後の R/C カーは各部が高温になる事があります。危険ですので冷却期間をおいてから、メンテナンスなどをして下さい。

走らせる手順

1. タイヤが空転するように、台の上に R/C カーを置きます。
2. スピードコントローラのスイッチが OFF になっている事を確認してから、モーターとバッテリーを接続します。
3. 送信機のアンテナを伸ばし、スイッチを ON にします。(送信機の電圧が下がっていると危険です。常に電圧の高い状態で使用して下さい。)
4. 受信機のスイッチを ON にします。

走行終了手順

1. スピードコントローラのスイッチを OFF にします。
2. バッテリーの接続を外します。
3. 送信機のスイッチを OFF にし、アンテナを縮めます。

バッテリーの取り扱い

- (バッテリーに付属の説明書に基づき使用して下さい。)
- バッテリーを充電する際は、周囲に燃えやすいものない安全な場所で行って下さい。又、高温な場所での充電も避けて下さい。
- バッテリーの充電中は充電状況を常に確認して下さい。充電器の誤動作などで過充電すると、最悪の場合は発火する危険性があります。バッテリー温度が 50 度を超えたら充電を中止して下さい。
- 走行後のバッテリーは高い温度になります。連続使用するとバッテリーを傷めることになりますので、冷却期間を置いてから充電して下さい。又、走行後のバッテリーはコンディション放電することによって、性能を持続させる事が出来ます。
- 不要になったバッテリーは一般のゴミと一緒に捨てずに、お手数でも電池専用の回収箱に捨てて下さい。

モーターの取り扱い

- (モーターに付属の説明書に基づき使用して下さい。)
- モーターの性能に合ったギヤ比を選択して下さい。ギヤ比が最適でないとモーターの性能を十分に発揮出来ないだけでなく、他の R/C メカを壊す原因にもなります。
- 走行後のモーターは非常に高い温度になります。連続走行するとモーターを傷める事になりますので、冷却期間を置いてから走行して下さい。

PRECAUTIONS FOR SAFE ENJOYMENT OF YOUR R/C CAR

For children under the age of 13, parental guidance is recommended when running.

ASSEMBLY PRECAUTIONS

- Do not assemble around small children. The parts can be dangerous if accidentally swallowed.
- Check the contents carefully before assembly. Please contact Customer Support if you happen to notice any defective or missing items.
- You will find the assembly process much easier by carefully reading through the manual, and familiarizing yourself with the instructions.
- Many different tools are required during assembly. For safety purposes, please use suitable tools. Exercise extra caution when using a sharp tool such as a hobby knife.
- Many different materials are used for the parts. Use extra care when handling parts with sharp edges, such as machined metal parts.
- When cutting plastic parts, watch for any flying parts.
- Try to assemble any rotating parts or drivetrain parts as smooth as possible.
- Bundle wires neatly away from the ground or any moving drivetrain components. Make sure that all wires are properly connected to prevent shorting.
- Unnecessary modifications may be unsafe and hinder performance.

PRECAUTIONS BEFORE RUNNING

- R/C cars some models may exceed speeds of 40km per hour. Practice common sense and run the car in open safe places, or R/C car tracks.
- Do not run the car on public roads with high amounts of traffic, or in areas that may cause an inconvenience to people in that area.
- R/C cars are controlled using a radio frequency. In a worst-case scenario. Radio interferences may cause loss of control.
- If others near you are running R/C cars, confirm that they are not running on the same frequency.
- R/C cars do not like water. Avoid running on rainy days, or areas with water puddles. Exposure of the electronics to water may cause loss of control or damage to the electronics.
- The drivetrain of an R/C car consists of many moving parts like gears, shafts, and tires. Avoid touching these areas when the battery is connected.
- Many parts of an R/C car will become hot after running. Allow the parts to sufficiently cool before conducting any maintenance.

BEGINNING A RUN

1. Place the R/C car on a stand so the wheels are off the ground.
2. Confirm that the speed controller switch is OFF, and connect the motor and battery.
3. Extend the transmitter antenna and turn the switch ON. (It is unsafe to use a transmitter with low voltage. Make sure that the transmitter batteries are good before running)
4. Turn the speed controller switch ON.

FINISHING A RUN

1. Turn the speed controller switch OFF.
2. Disconnect the battery.
3. Turn the transmitter switch OFF, and retract the antenna.

BATTERY USAGE

(Carefully read the instruction included with the batteries.)

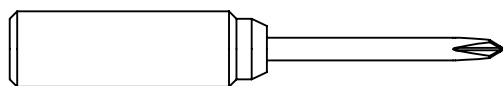
- When charging batteries, make sure that the surrounding area is void of anything highly flammable. Also avoid charging in high-temperature locations.
- When charging batteries, frequently monitor the charging it catch on fire. If the battery reaches 50 degrees Celsius or more, stop charging.
- Batteries will become hot after running. Continuous use of the battery pack may result in damage to the cells. Allow the battery too cool down before re-charging. Using a battery conditioner after running may prolong the life and performance of the battery.
- Please do not discard old battery packs in the trash. Although inconvenient, please locate a battery disposal center.

MOTOR USAGE

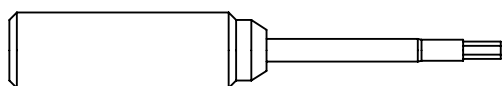
(Carefully read the instruction included with the motor.)

- Connecting a 7.2V battery directly to the motor can be very dangerous.
- Choose a gear ratio that matches the power characteristics of the motor. Using a gear ratio unsuited to the characteristics of the motor will not only prevent the motor from performing at its optimum, but may even cause damage to the other electronics.
- Motors will generally become very hot after running. Continuous running will reduce the life of the motor. Allow the motor to sufficiently cool between each run.

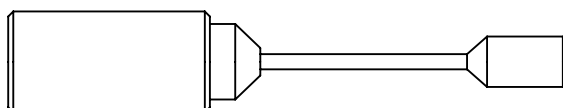
Assemble tools (Not include)



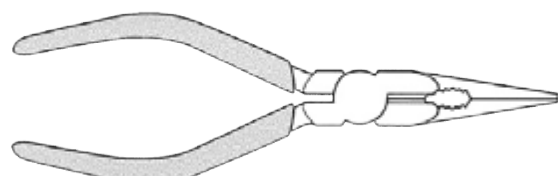
Screwdriver small



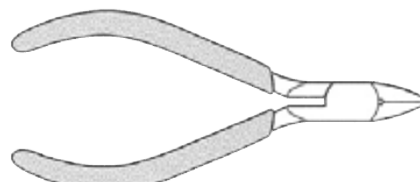
Hex wrench 1.5&2.0mm



Socket driver 7.0mm

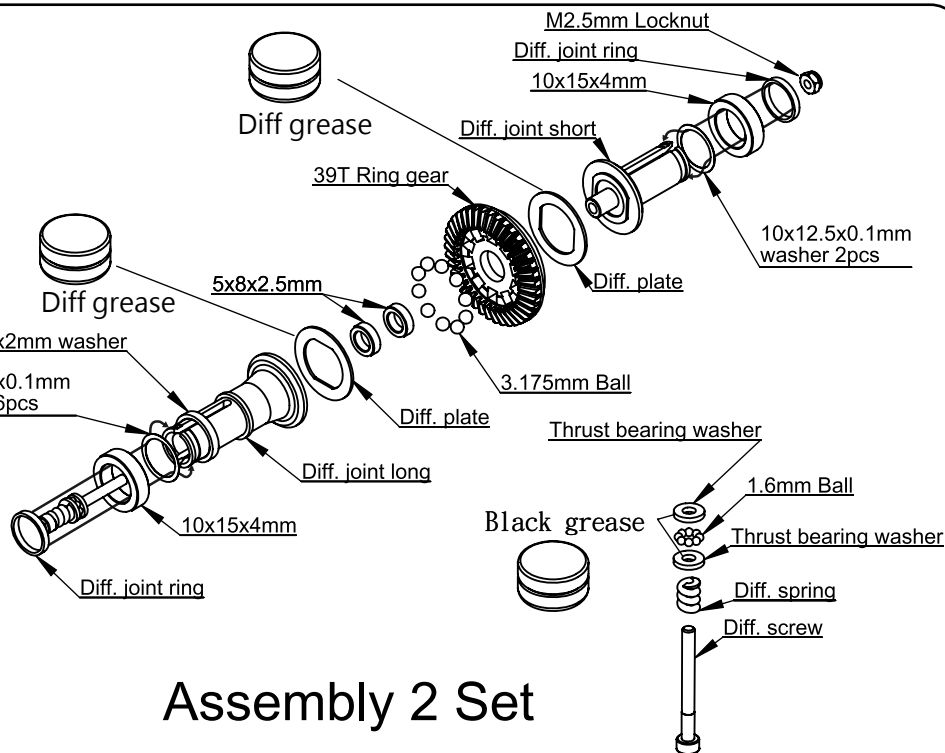
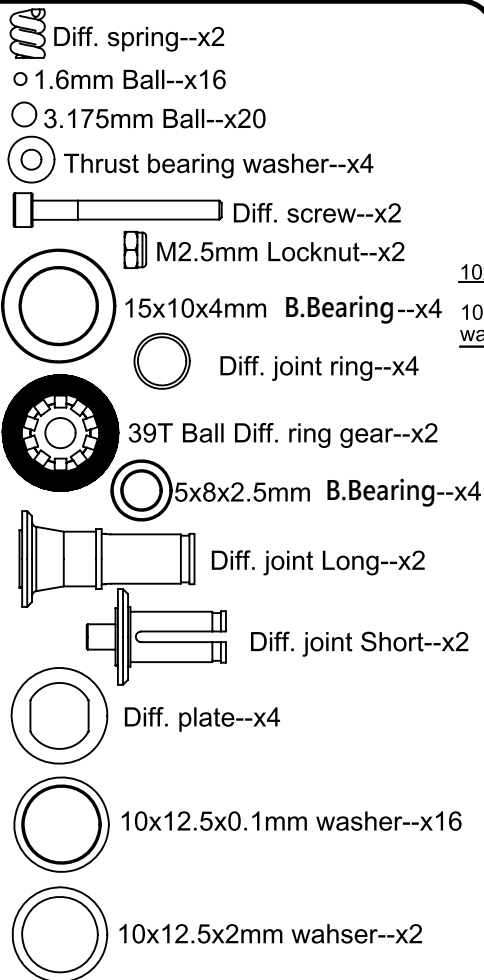


Long nose piller



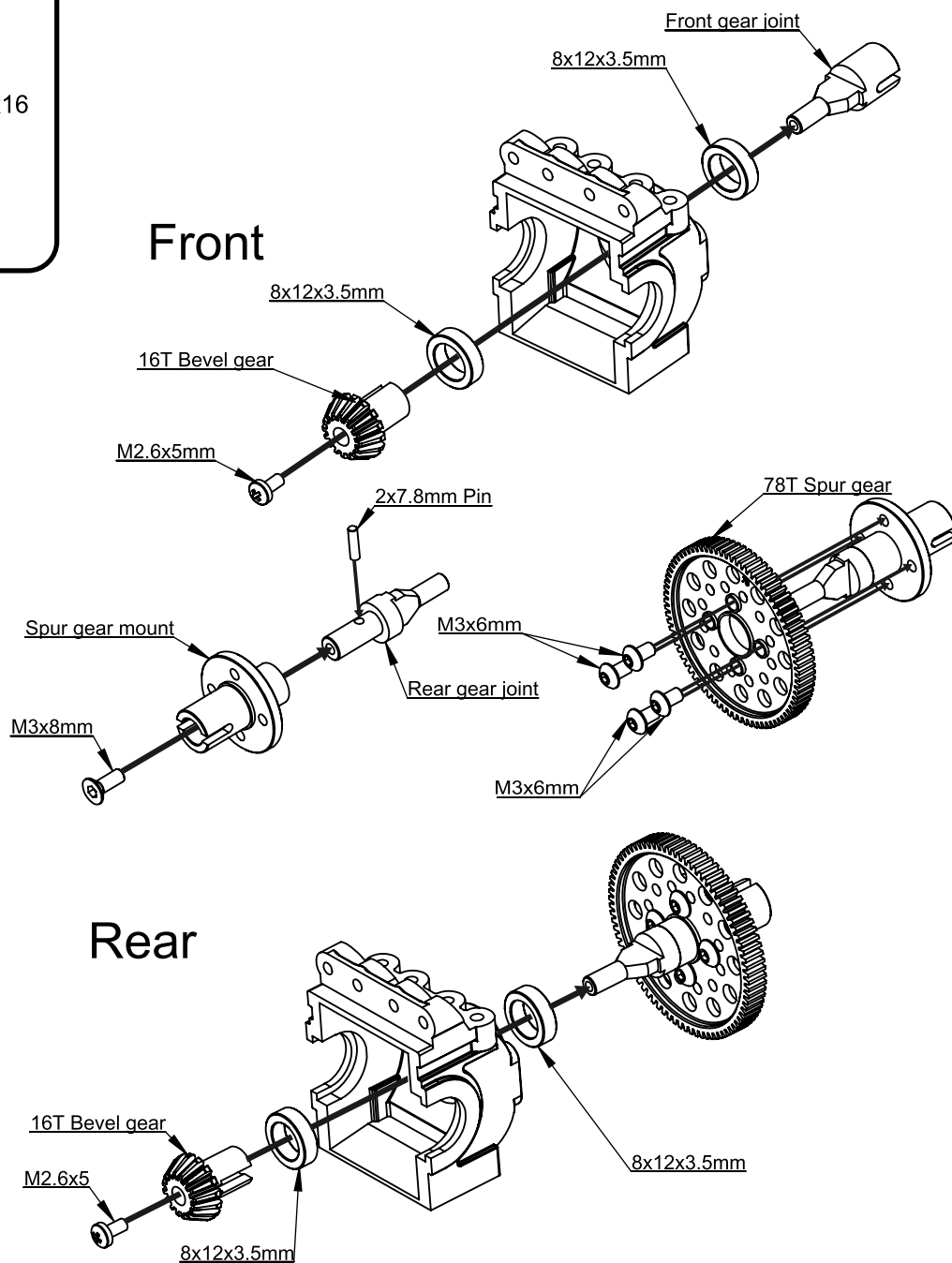
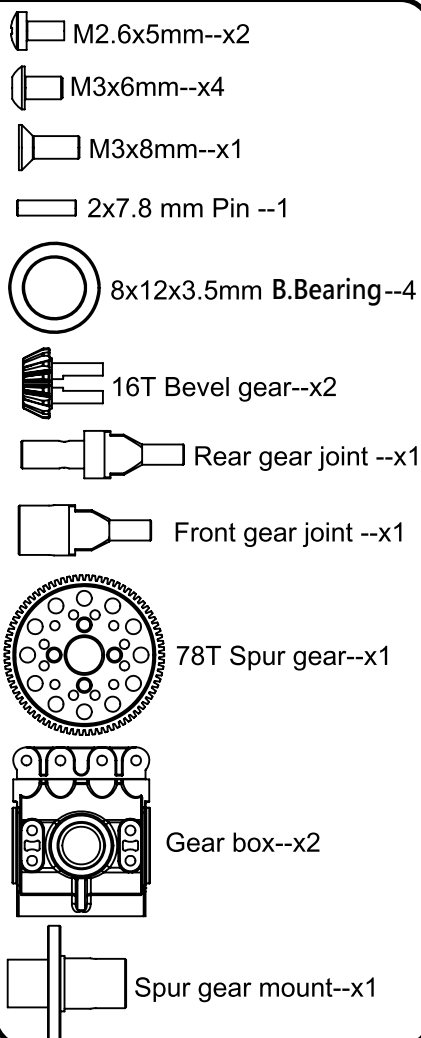
Side cutter

BAG A



Assembly 2 Set

BAG B



BAG C

 Main shaft--x1

 M3x8mm--x13

 10x15x4mm B.Bearing--x1

 Steering post--x2

 Suspension mount--x2

 Motor mount spacer--x1

 Motor mount--x1

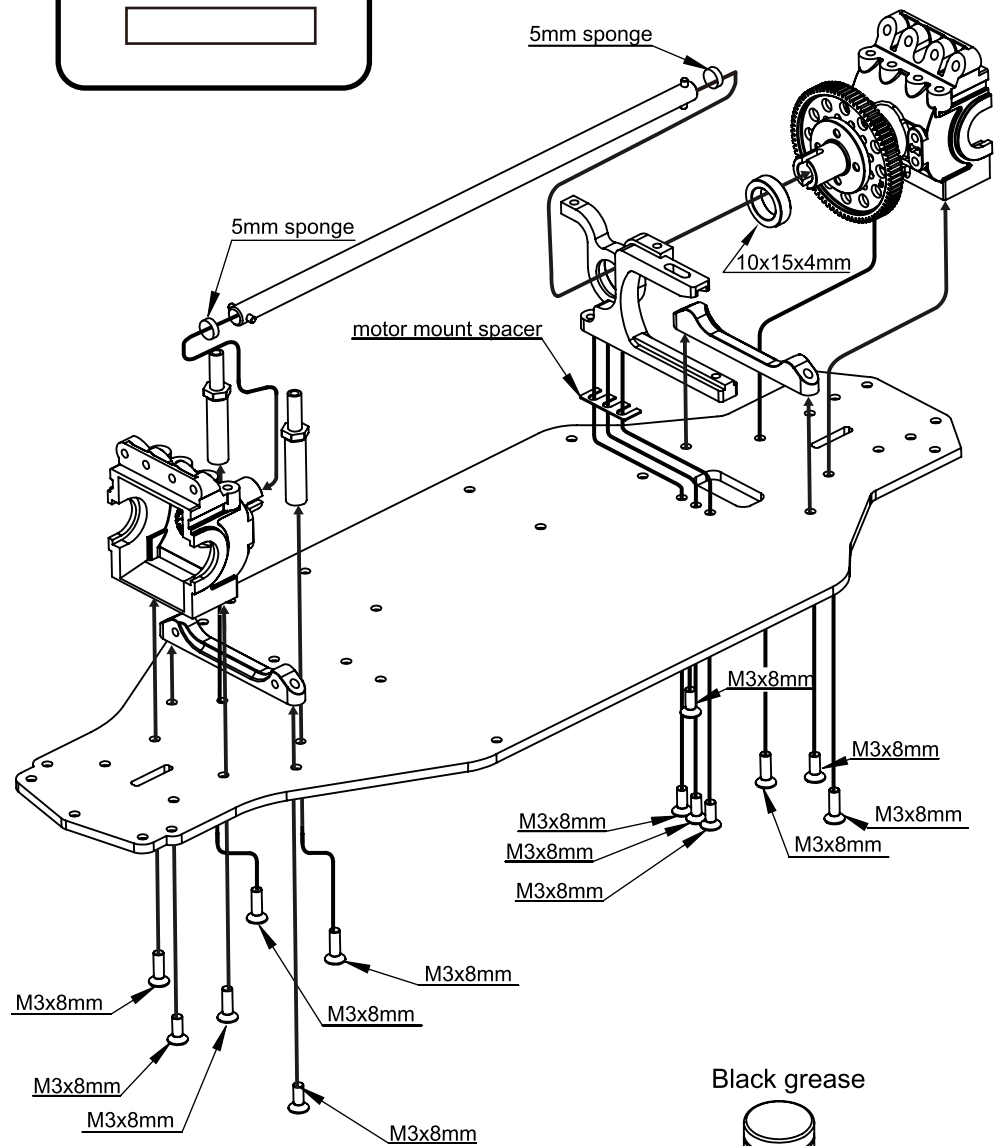
 M3x8mm--x13 Steering post--x2

Motor mount spacer--x1



Motor mount--x1

A black and white icon of a rectangular bag sponge with a small rectangular hole in the center.



BAG D

- M3x10mm--x4
- M3x12mm--x4
- M3x10mm--x2
- M3 Locknut--x4
- Battery holder--x2
- Gear box cap--x2
- Battery post--x2



M3x10mm--x4

 M3x12mm--x4

 M3x10mm--x2

 M3 Locknut--x4

Battery holder--x2



Gear box cap--x2

 Battery post--x2

Make 2

Black grease

Rear Diff.
This side.

Front Diff.
This side.

Black grease

M3x10mm

M3 Locknut

M3 Locknut

M3x10mm

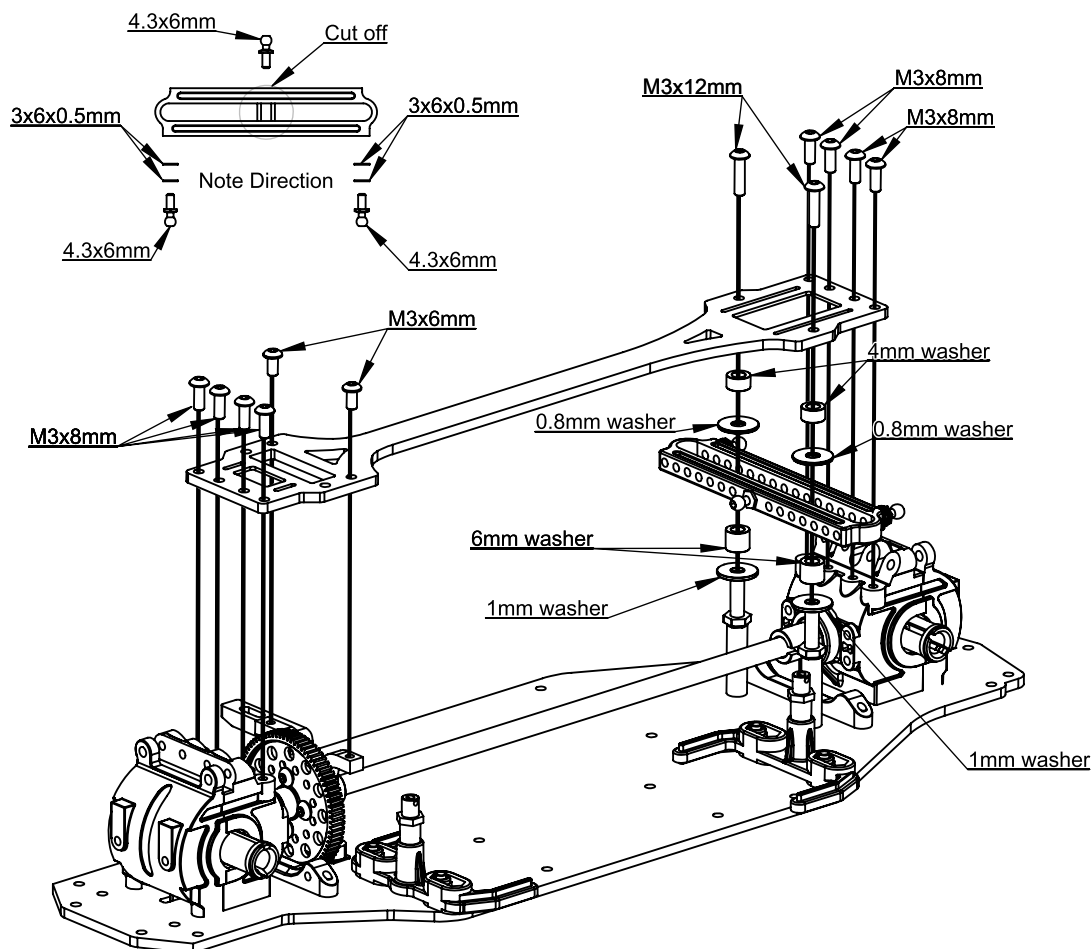
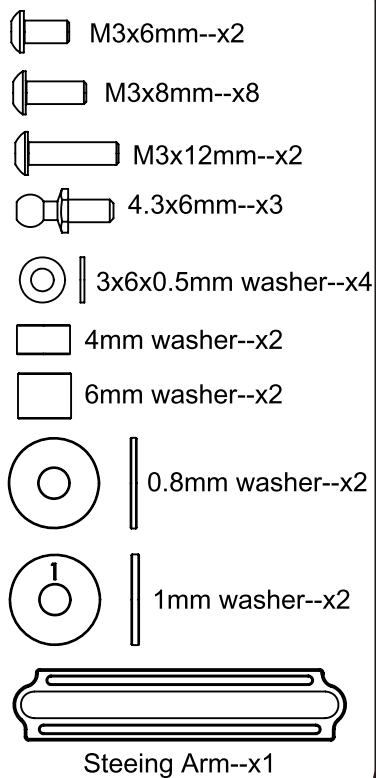
M3x10mm

M3x12mm

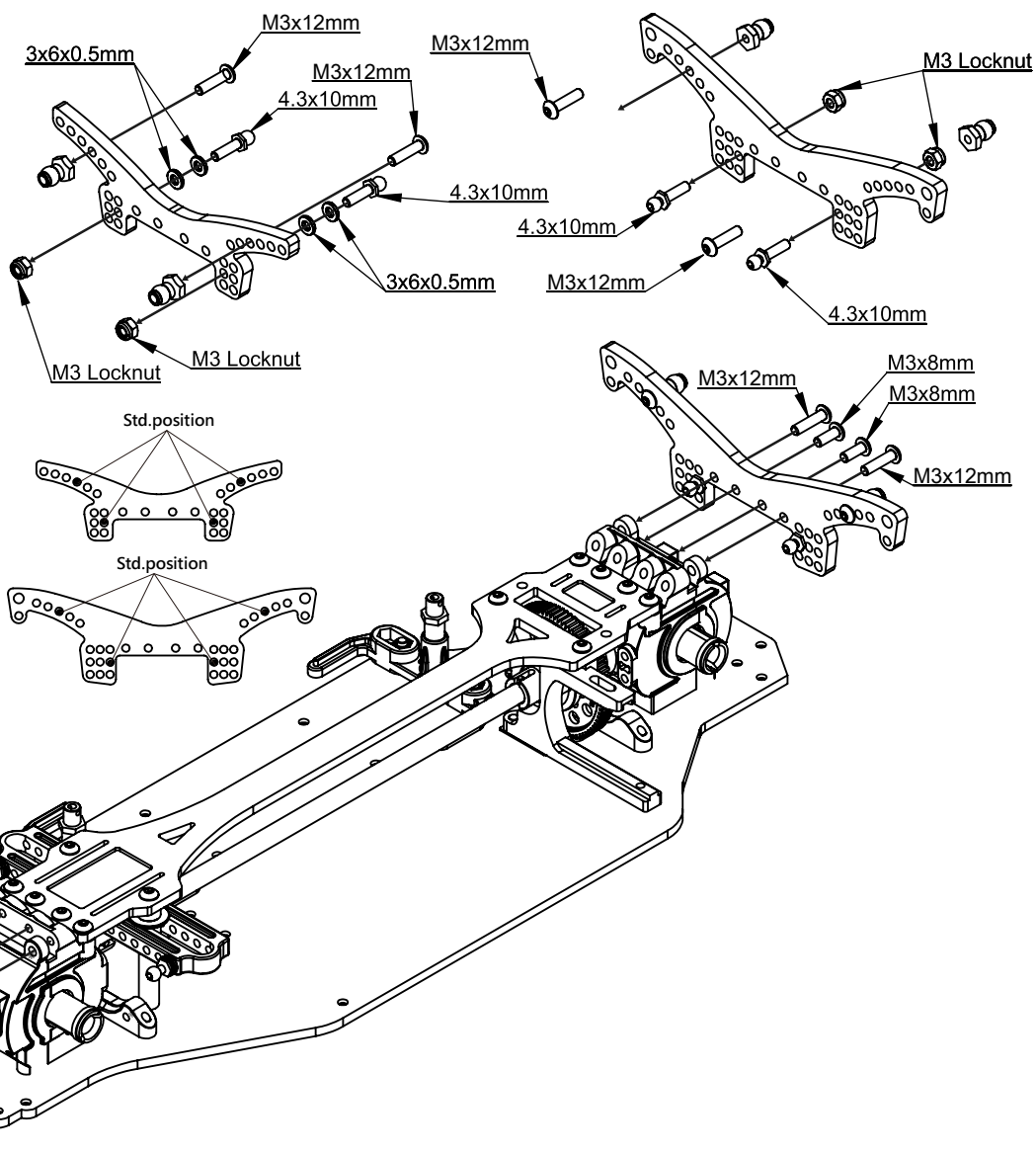
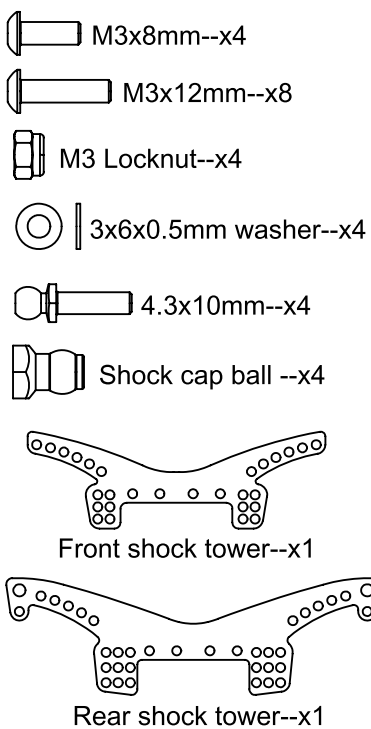
M3x10mm

M3x12mm

BAG E



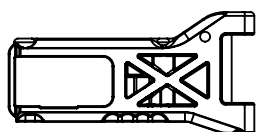
BAG F



BAG G

 M3x8mm--2

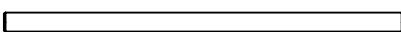
 2.5x5x2mm washer--x12



Front lower arm--x2



Suspension mount--x1



Suspension pin Long--x2

Suspension mount

M3x8mm

2.5x5x2mm

2.5x5x2mm

Suspension pin Long

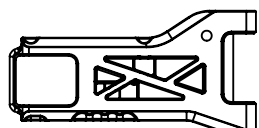
M3x8mm

BAG H

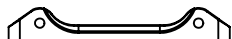
 M3x8mm--x2

 2.5x5x2mm washer--x10

 2.5x5x1mm washer--x4



Rear lower arm--x2



M3x8mm--x1



Suspension pin Long--x2

Suspension mount

M3x8mm

M2.5x5x1mm

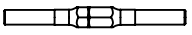
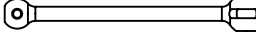
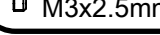
M2.5x5x2mm

M3x8mm

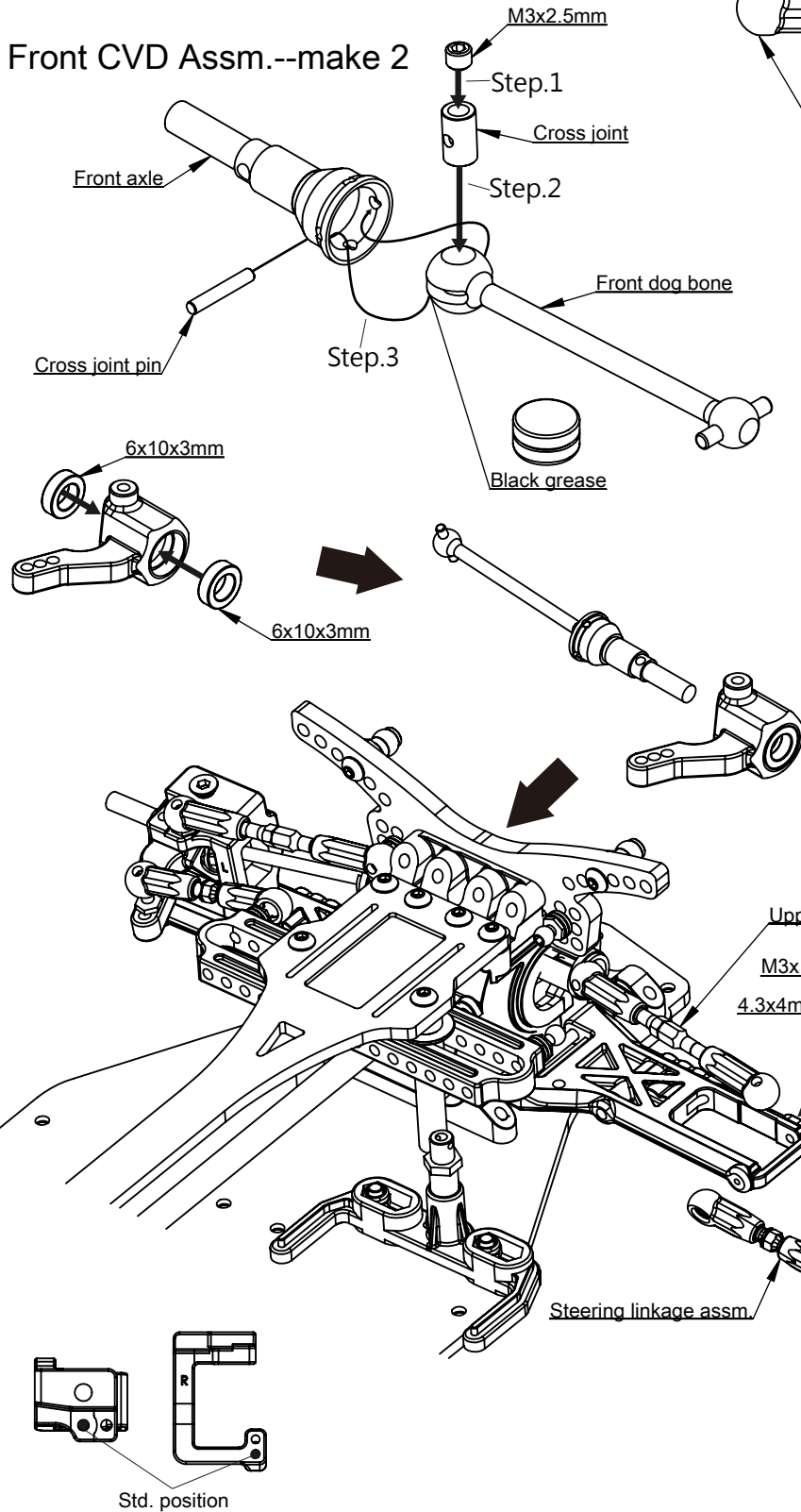
M2.5x5x2mm

M2.5x5x1mm

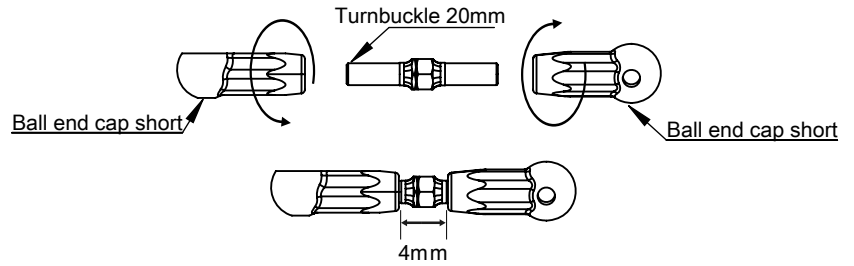
BAG I

-  Ball end cap standard--x4
-  Ball end cap short--x4
-  Turnbuckle 36mm--x2
-  Turnbuckle 20mm--x2
-  Front unival shaft--x2
-  Front axle--x2
-  Cross joint--x2
-  Cross joint pin--x2
-  M3x2.5mm set screw--x2

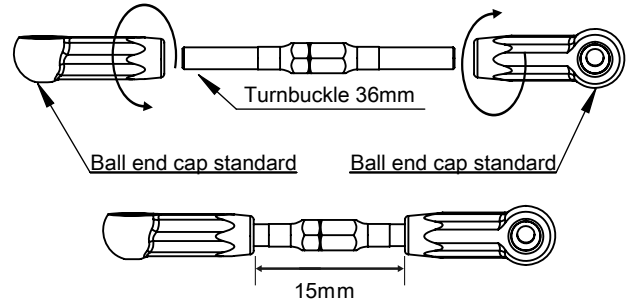
Front CVD Assm.--make 2



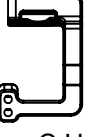
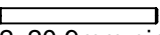
Steering linkage Assm.--make 2

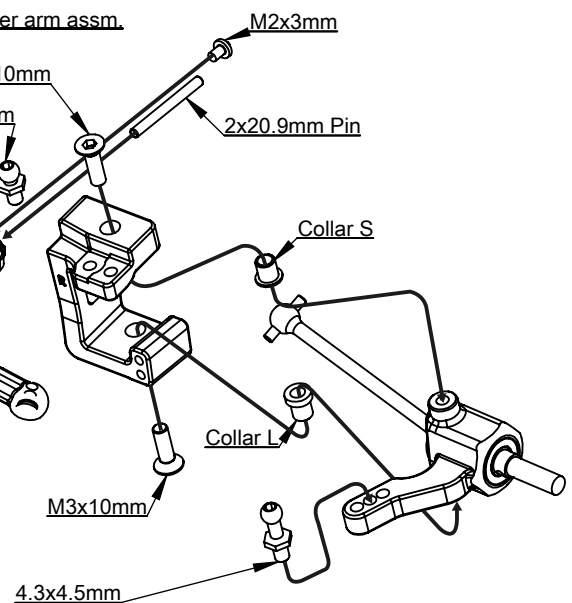


Front upper linkage Assm.--make 2

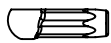


BAG J

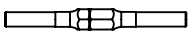
-  C Hub L&R
-  Steering block--2
-  6x10x3mm B.Bearing--x4
-  4.3x4mm--x2
-  4.3x4.5mm--x2
-  2x20.9mm pin--x2
-  M2x3mm--x2
-  M3x10mm--x4
-  L Collar--x2
-  S Collar--x2



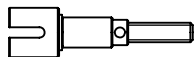
BAG K



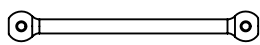
Ball end cap standard--x4



Turnbuckle 36mm--x2



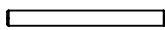
Rear axle--x2



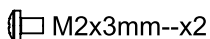
Rear dog bone--x2



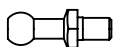
6x10x3mm B.Bearing--x4



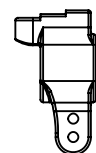
Rear sus. pin short--x2



M2x3mm--x2

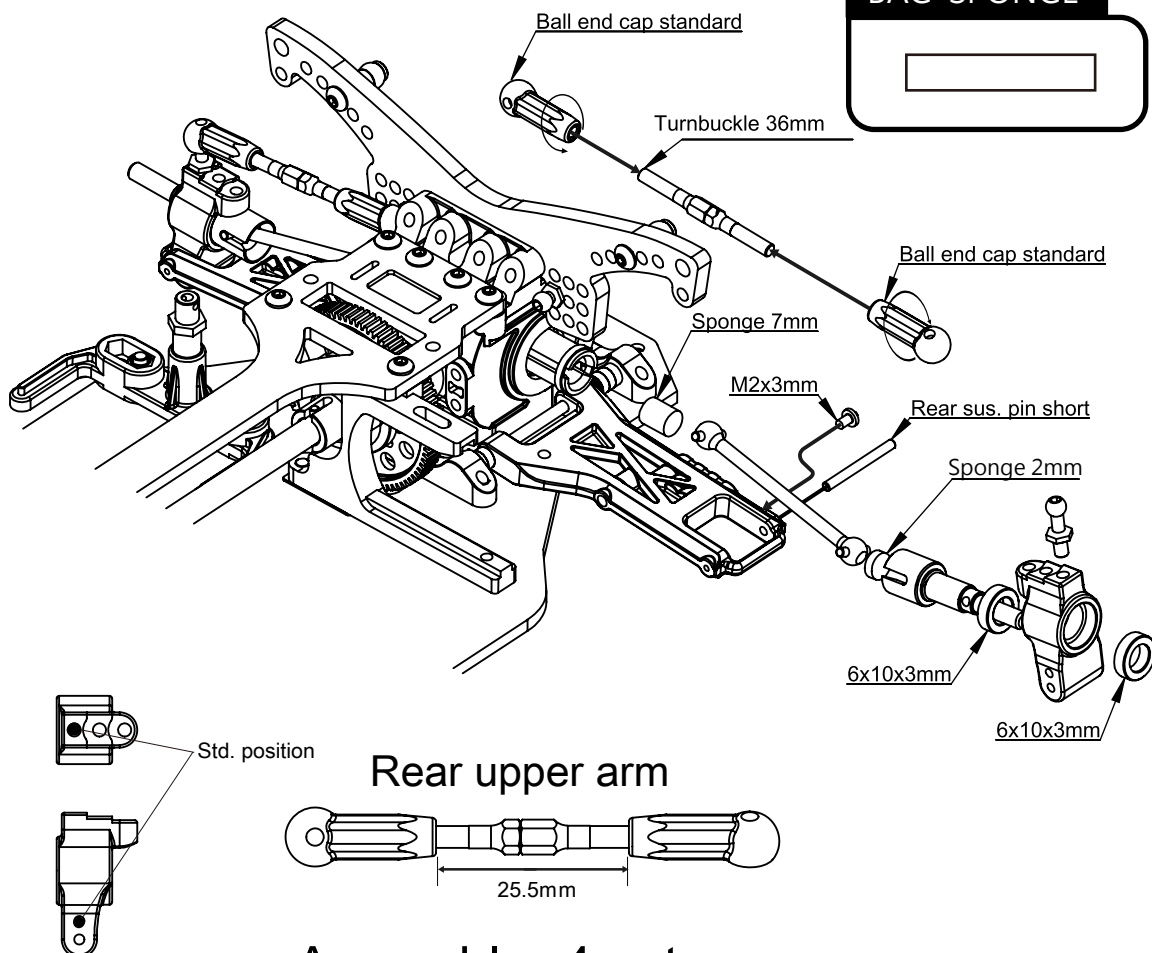


4.3x4.5mm Ball end--x2

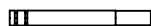


Rear hub--x2

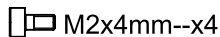
BAG SPONGE



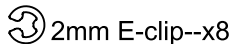
BAG L



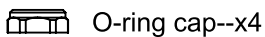
Shock shaft--x4



M2x4mm--x4



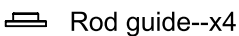
2mm E-clip--x8



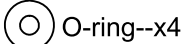
O-ring cap--x4



Shock shaft collar--x4



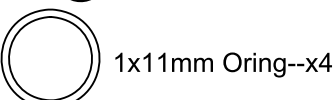
Rod guide--x4



O-ring--x4



Piston--x4



1x11mm Oring--x4



Shock cylinder--x4



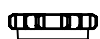
Shock ball end--x4



Shock cap--x4



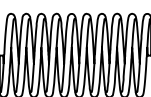
Oil seal--x4



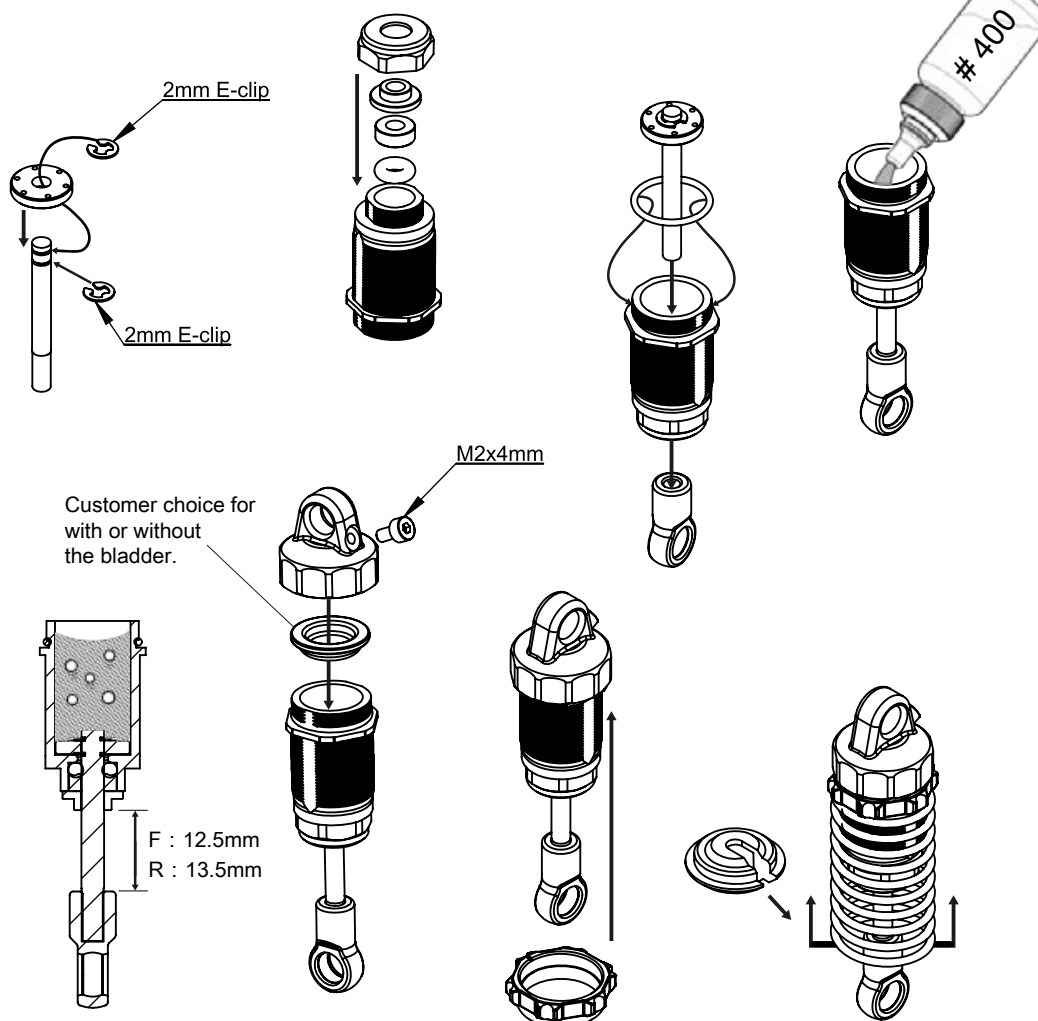
Cylinder Adj. nut--x4



Shock spring holder--x4

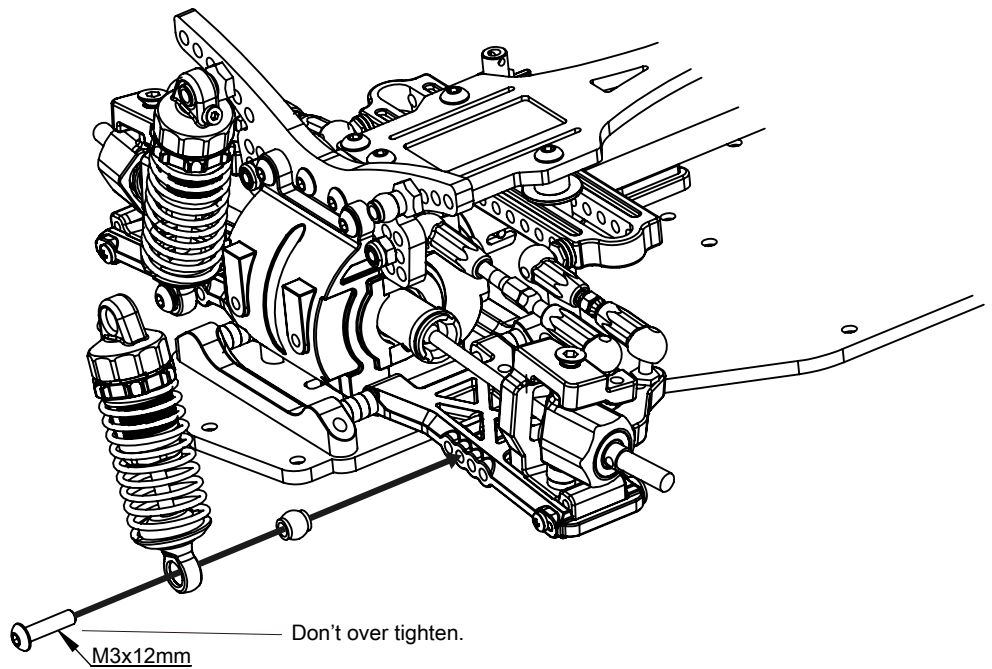


Spring--x4

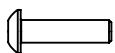




Std. position



BAG M



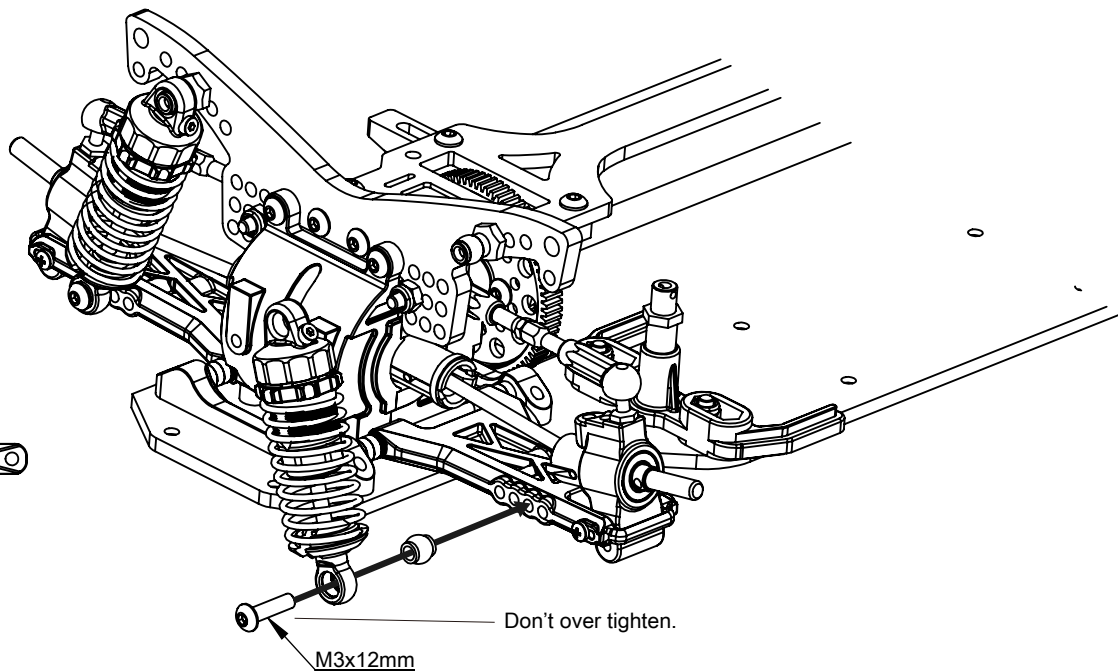
M3x12mm--x4



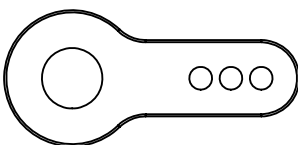
Shock lower ball--x4



Std. position



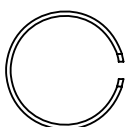
BAG N



Servo horn--x1



Servo saver--x1



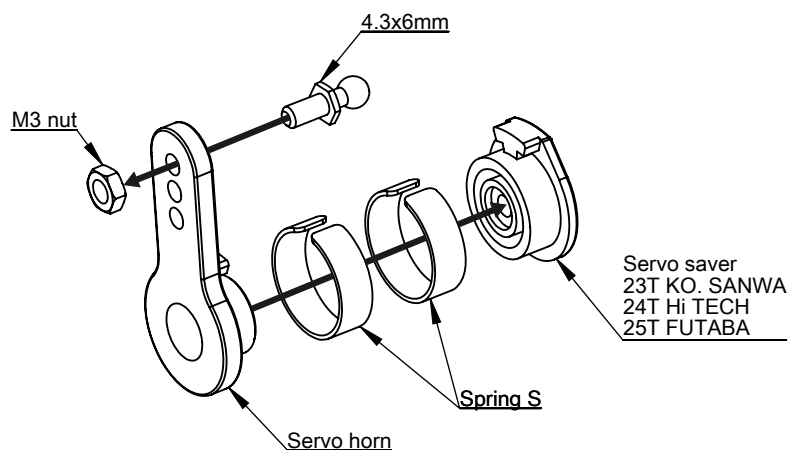
Servo saver spring S--x2



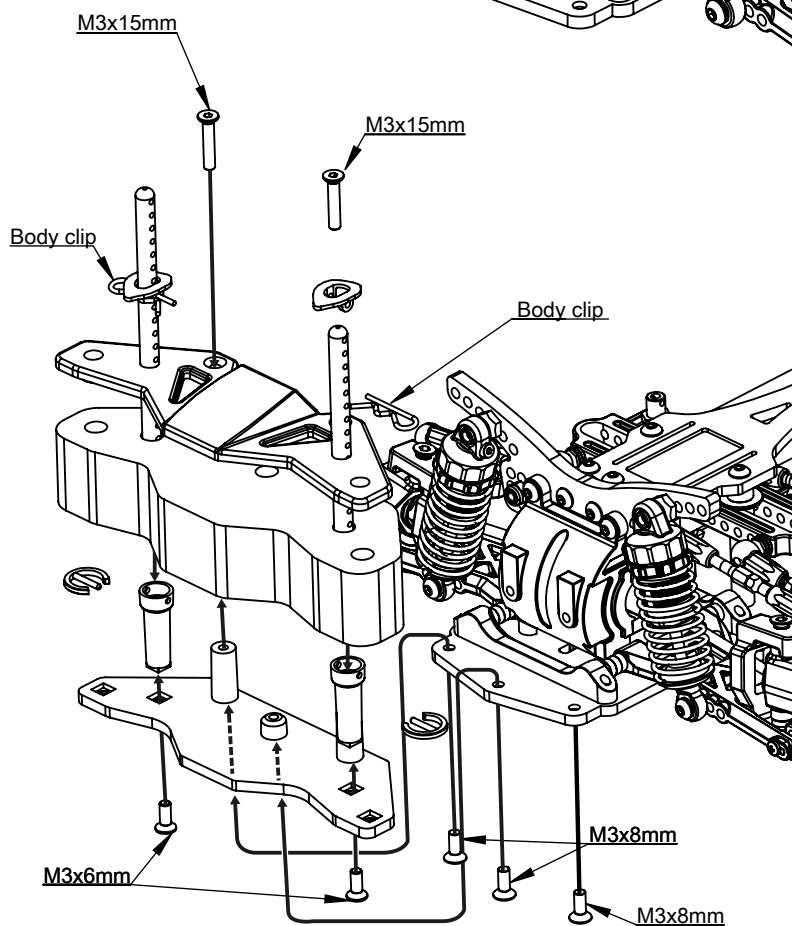
4.3x6mm--x1



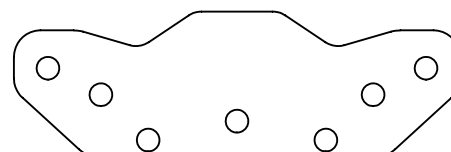
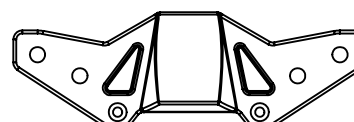
M3 nut--x1



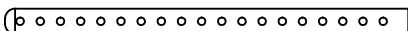
 3x6x0.5mm washer--x4
 M3x8mm--x4
 M3x12mm--x1
 M3x8mm--x2
 Turnbuckle 30mm--x1
 Servo saver cap--x1
 Ball end cap standard--x2
 Servo mount--x2



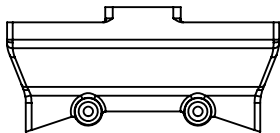
 M3x15mm--x2 E clip--2
 M3x6mm--x2 R clip--x2
 M3x8mm--x3
 Body post--x2
 Body post sleeve--x2
 Body post support--x2



BAG Q

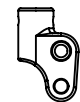


Body post--x2



Rear Diffuser--x1

Body post support--x2

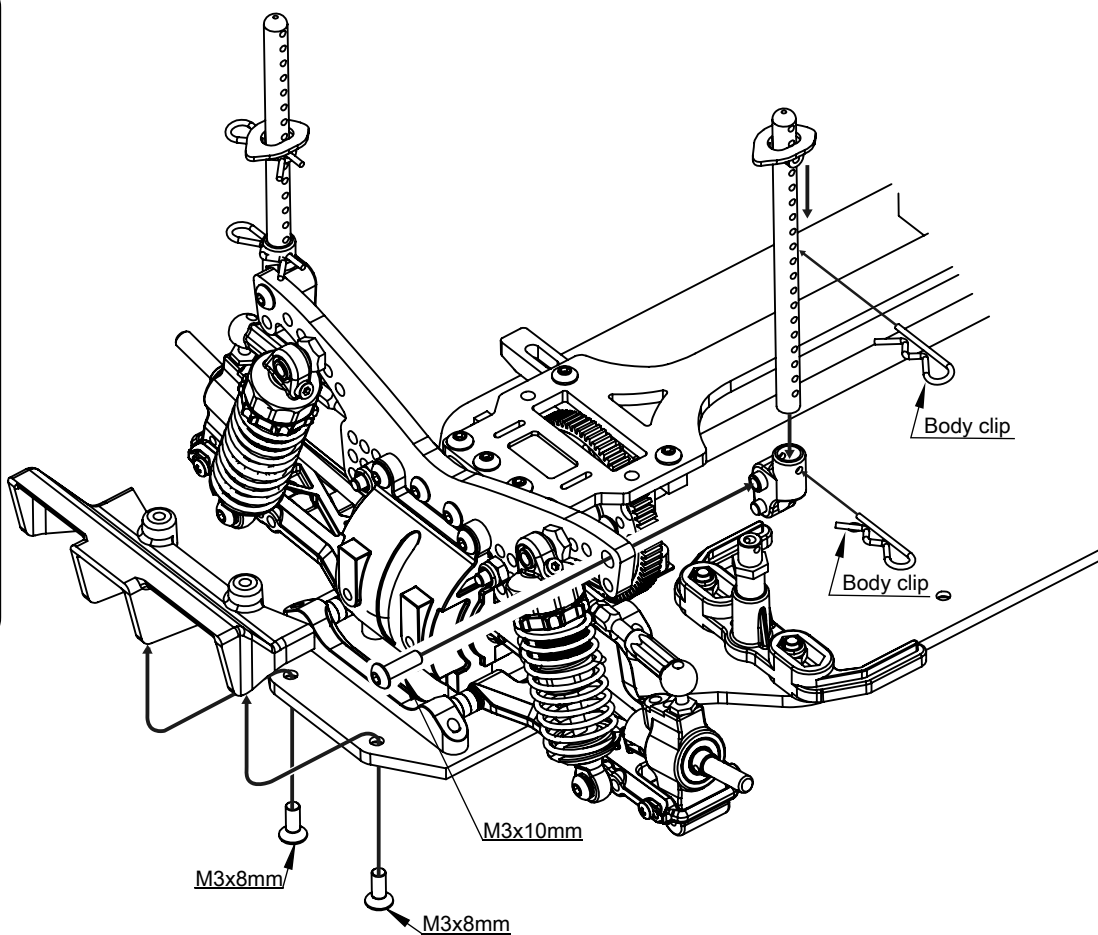


Rear body post mount--x2

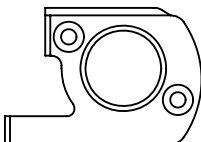
M3x8mm--x2

M3x10mm--x2

Body clip--x4

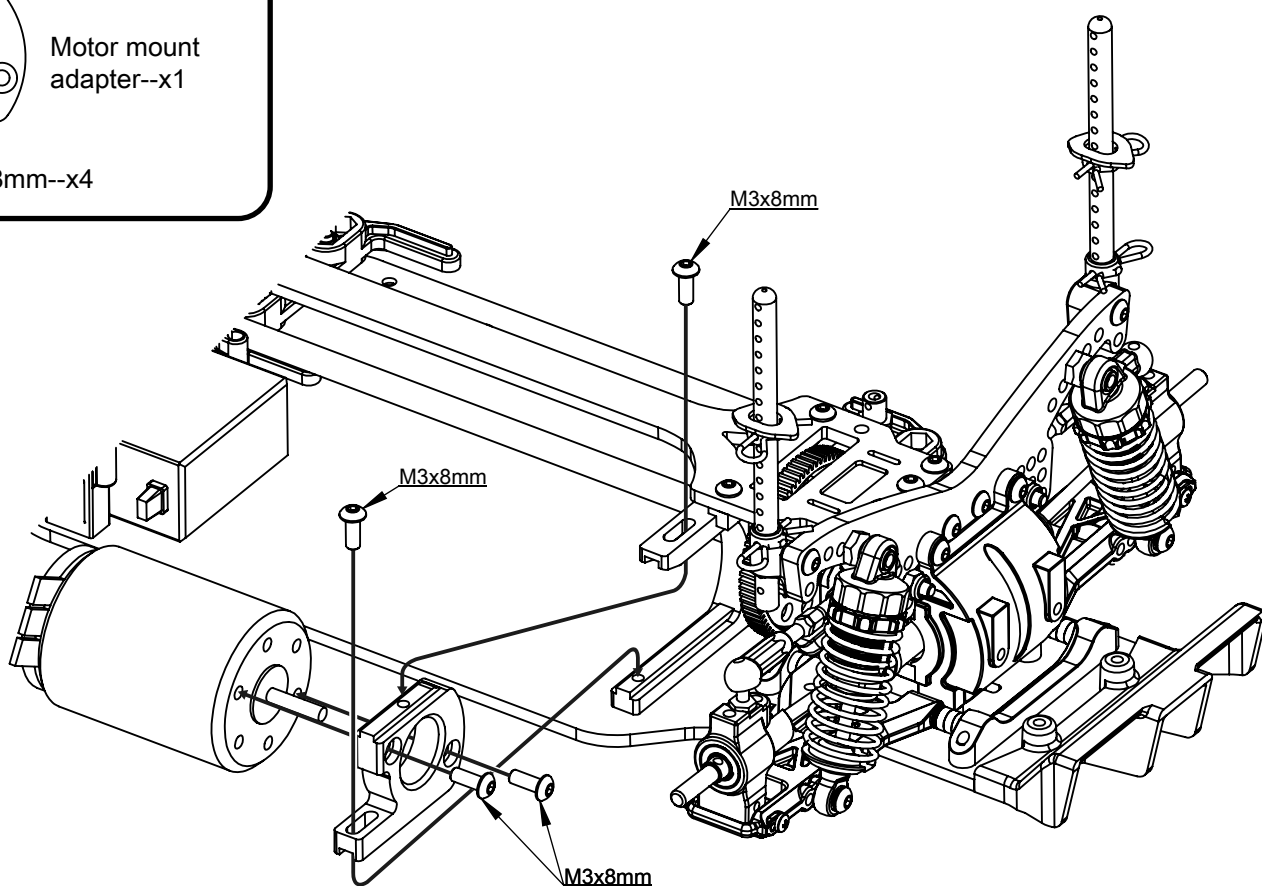


BAG R

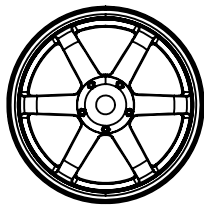


Motor mount
adapter--x1

M3x8mm--x4



BAG S

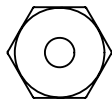


Wheel--x4

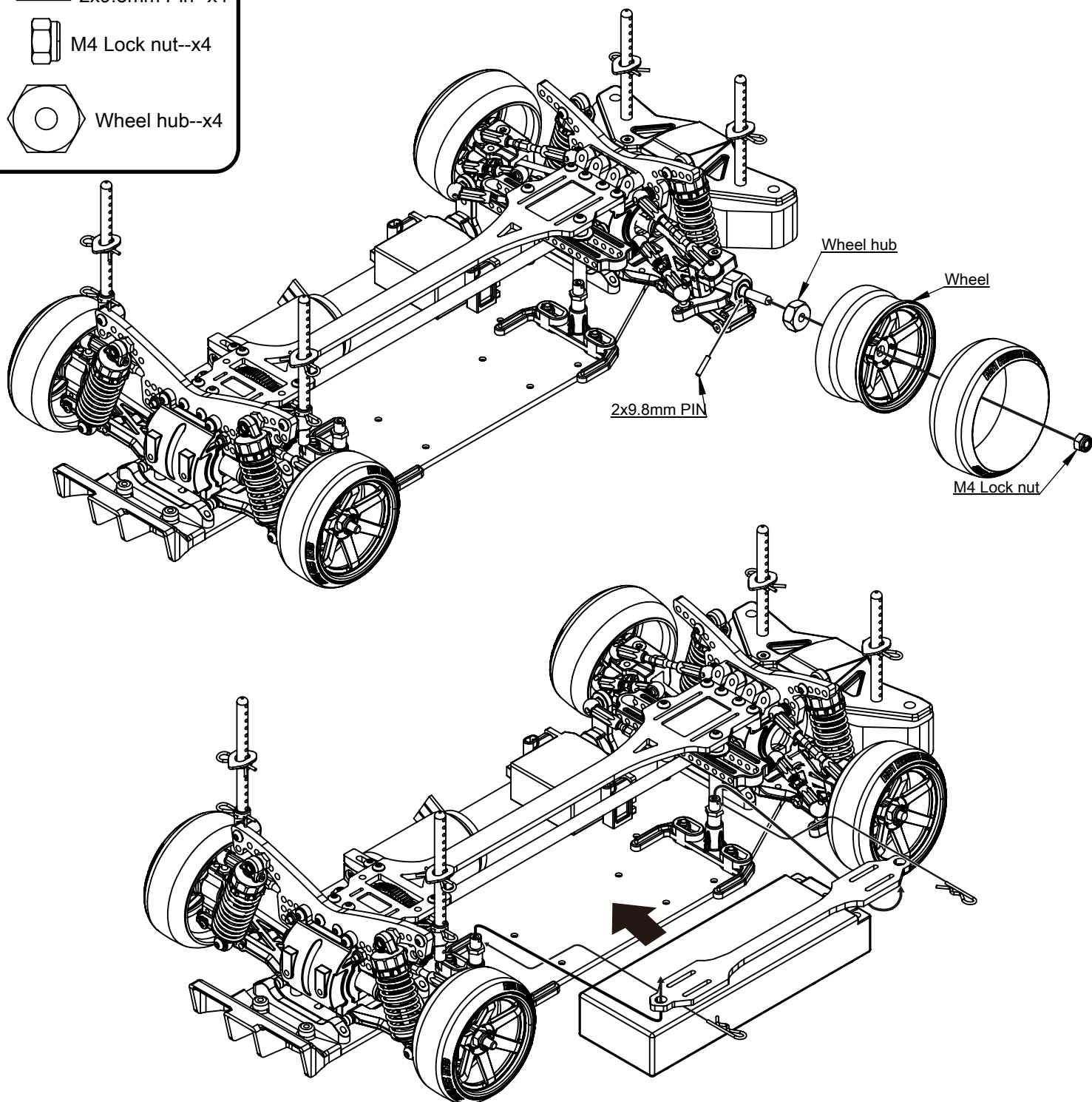
2x9.8mm Pin--x4



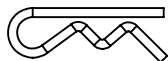
M4 Lock nut--x4



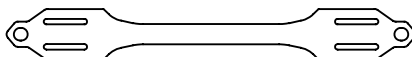
Wheel hub--x4



BAG T



R clip--x2



Battery plate--x1

R31#	商品名	構成部品	数量
R31G001	Ball diff set	1.6mm Ball	8
		3.175mm Ball	10
		Thrust bearing washer	2
		Diff. spring	1
		Diff. screw	1
		M2.5 Nylon Nut	1
		Diff plate	2
		5x8x2.5mm Bearing	2
		Diff. joint ring	2
		39T Ball Diff. ring gear	1
		Diff. joint Long	1
		Diff. joint Short	1
		10x12.5x0.1mm washer	8
		10x12.5x2mm washer	1
R31G002	Thrust bearing set	1.6mm Ball	8
		Thrust bearing washer	2
		Diff. spring	1
		Diff. screw	1
		M2.5 Nylon Nut	1
R31G003	Diff ball & plate	3.175mm Ball	10
		Diff plate	2
R31G004	Diff joint	Diff. joint Long	1
		Diff. joint Short	1
		Cup joint Ring	2
R31G005	Ball diff gear	39T Ball Diff. ring gear	1
R31G006	Spur gear holder pin	2x7.8mm pin	2
R31G007	16T Bevel gear	16T Bevel gear	1
R31G008	Rear input shaft	Rear input shaft	1
R31G009	Front input shaft	Front input shaft	1
R31G010	Spur gear mount	Spur gear mount	1
R31G011	78T Spur gear	78T Spur gear	1
R31G012	Gear box set	Gear box	1
		Gear box cap	1
R31G013	Mainshaft	Mainshaft	1
R31G014	Steering post	Steering post	2
R31G015	Suspension mount	Suspension mount	2
R31G016	Motor mount set	Motor mount	1
		motor adapter	1
		M3x8mm	2
R31G017	motor mount plate	motor mount plate	1
R31G018	Battery holder	Battery holder	2
R31G019	Battery post	Battery post	2
		R clip	2
R31G020	Steeering collar set	4mm washer	2
		6mm washer	2
		0.8mm washer	2
		1mm washer	2
R31G021	Steering rack	Steering arm	1
R31G022	Shock cap ball set	Shock cap ball	4
		Shock lower ball	4
R31G023	Front shock tower	Front shock tower	1
R31G024	Rear shock tower	Rear shock tower	1

R31G025	Sus pin set	2.5x5x2mm washer	22
		2.5x5x1mm washer	4
R31G026	Sus pin	sus pin (2.5x52.8)	2
R31G027	Front & Rear lower arm	Front lower arm	1
		Rear lower arm	1
R31G028	Ball end set	Ball end cap standard	10
		Ball end cap short	4
R31G029	Front axle	Front axle	2
R31G030	Front dog bone	Front dog bone	2
R31G031	Cross spider set	Cross joint	2
		Cross joint pin	2
		M3x2.5mm set screw	2
R31G032	C hub set(L&R)	C Hub L	1
		C Hub R	1
R31G033	Front nuckle	Steering block	2
R31G034	Outer sus shaft	sus pin (2x20.9)	2
R31G035	Diaphram	L Collar	2
		S Collar	2
R31G036	Rear axle	Rear axle	2
R31G037	Rear dog bone	Rear dog bone	2
R31G038	Rear hab	Rear hab	2
R31G039	Shock shaft	Shock shaft	2
R31G040	Piston	Piston	4
R31G041	E-link	2mm E-clip	8
R31G042	Shock shaft collar set	Shock shaft collar	4
		Shock shaft groove	4
R31G043	O-ring	O-ring	4
R31G044	Shock parts set	Shock lower ball end	4
		Shock sylinder	4
		Shock upper cap	4
		O-ring cap	4
		Spring adj. nut	4
		Shock spring lower holder	4
R31G045	Srping	Shock spring	2
R31G046		Memberance	4
R31G047	Servo saver set	Servon horn	1
		Servo horn	1
		Servon saver spring S	2
		4.3x6mm	1
		M3 nut	1
		KO.SANWA	1
		HI TECH	1
		FUTABA	1
		Servo saver cap	1
R31G048	Servo mount	Servo mount	2
R31G049	Body post set	Body post	4
		Body post suppost	4
		Rear Body post mount L	1
		Rear Body post mount R	1
		M3x10mm	2
		R clip	6

R31G050	Front bumper set	Body post sleeve	2
		E clip	2
		Front lower bumper	1
		Front upper bumper	1
		M3x6	2
		M3x8mm	3
		M3x15mm	2
R31G051	Rear diffuser ste	Rea diffuser	1
		M3x8	2
R31G052	Wheel	Wheel	2
R31G053	Wheer hub	Wheel hub	4
		2.0x9.8mm PIN	4
R31M100	850 bearing	5x8x2.5mm Balling	2
R31M101	1060 bearing	6x10x3mm Bearing	4
R31M102	1280 bearing	8x12x3.5mm Bearing	4
R31M103	1510 bearing	10x15x4mm Bearing	4
R31M104	M2X3mm buttonhead	M2x3mm	4
R31M105	M2.6X5mm buttonhead	M2.6X5mm	2
R31M106	M3x5mm buttonhead	M3X5mm	5
R31M107	M3x6mm buttonhead	M3X6mm	5
R31M108	M3x8mm buttonhead	M3X8mm	5
R31M109	M3x10mm buttonhead	M3X10mm	5
R31M110	M3x12mm buttonhead	M3X12mm	5
R31M111	M3x6mm flathead	M3X6mm	5
R31M112	M3x8mm flathead	M3X8mm	5
R31M113	M3x10mm flathead	M3X10mm	5
R31M114	M3x12mm flathead	M3X12mm	5
R31M115	M3x15mm flathead	M3X15mm	5
R31M116	M3 Nylon nut	M3 Locknut	5
R31M117	M4 Wheel nut	M4 Lock nut	4
R31M118	3x6x0.5 washer	3x6x0.5mm washer	10
R31M119	4.3x4mm pivot ball	4.3x4mm pivot ball	5
R31M120	4.3x4.5mm pivot ball	4.3x4.5mm pivot ball	5
R31M121	4.3x6mm pivot ball	4.3x6mm pivot ball	5
R31M122	4.3x10mm pivot ball	4.3x10mm pivot ball	5
R31M123	Turnbuckle 20mm	Turnbuckle 20mm	2
R31M124	Turnbuckle 30mm	Turnbuckle 30mm	2
R31M125	Turnbuckle 36mm	Turnbuckle 36mm	2
R31G054	Main chassis	Main chassis	1
R31G055	Upper deck	Upper deck	1
R31G056	Battery plate	Battery plate	1



GRK GT  BAL

R31HOUSE RC DRIFT WINNING MODEL