

BD

Ver. RS

1/10 SCALE EP TOURING CAR CHASSIS KIT

この度はヨコモ製R/Cカーキットをお買い求め頂き、誠に有り難うございます。このキットは、ワールドチャンピオン メーカーであるヨコモの高性能・競技用R/Cカーです。
本説明書に従った正しい組立・安全な走行をして頂ければ、誰でも手軽に楽しむことが出来ます。

Thank you for purchasing this Yokomo product. This high performance competition kit has been proudly manufactured by Yokomo - World Champion R/C car manufacturer.
Proper assembly of this product will provide fun, safe enjoyment.

R/C カーを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、ヨコモ アフターサービス部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出来ます。
- 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バーツ等はエッジが鋭く、慎重な組立が必要となります。ケガをしないよう注意して下さい。
- プラスティックバーツなどを切断する際は、切断した部品が飛び危険があるので注意して下さい。
- 回転部や駆動部は出来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。
- 塗装は、周囲に火気の無いことを確認し、換気の良い場所で行って下さい。

走行の注意

- ヨコモ製R/Cカーは競技用の為、時速40kmを越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カー用サーク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下さい。
- 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事があります。狭い場所や室内は避け、出来るだけ広い、障害物のな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、ギヤやベルト、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 タイヤが空転する様に、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、周囲に燃えやすい物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度を越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事になりますので、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事によって、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的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。)
- 7.2Vのバッテリーでモーターのから回しをすると危険です。モーター内部を破損し部品が飛び出す事も考えられますので、もしモーターのブレーキインをする時は、モーターをしっかりと固定し3~5V程度でから回して下さい。
 - モーターは定期的なメンテナンスが必要です。劣化するとスピードが出なくなったり、走行時間が短くなります。定期的にクリーニングしたり、ブラシが減ってきたら交換する等のメンテナンスをして下さい。
 - 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.
- Always paint in a well ventilated area away from flames.

PRECAUTIONS BEFORE RUNNING

- Yokomo R/C cars are built for competition use, and 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, belts, 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 Celcius 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. This may cause the internal parts of the motor to break apart, causing some parts to fly out of the motor. To break-in the motor, safely secure the motor and run the motor at about 3-5V.
 - Motors require periodic maintenance. Slower speeds and decreased run times may indicate a worn-out motor. Periodically clean the motor and change the brushes when needed.
 - 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.

【組み立てに必要な物】

ACCESSORIES AND TOOLS NEEDED FOR [MRTC BD7 Ver. RS] ASSEMBLY

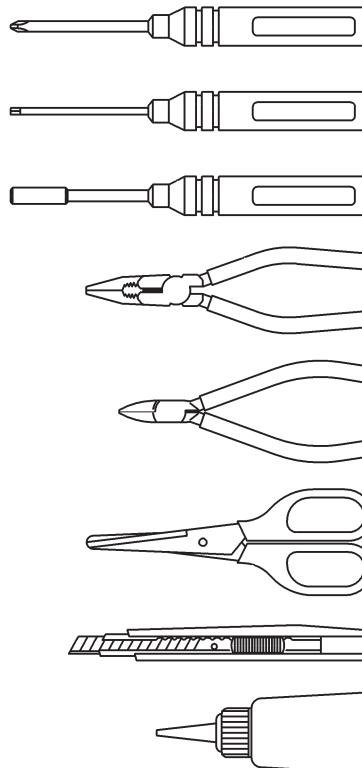
■ 走行の為に別にお買い求め頂く物 ■

ADDITIONAL ITEMS REQUIRED FOR USE (NOT INCLUDED IN KIT)

- 2チャンネルプロポ (1サーボ 1アンプ仕様)
**TWO CHANNEL R/C SURFACE RADIO SYSTEM
AND ELECTRONIC SPEED CONTROL**
- 走行用 角型 Li-Po バッテリー
SQUARE EDGE Li-Po BATTERY PACK
- 走行用バッテリー充電器
BATTERY CHARGER
- 走行用モーター
MOTOR
- タイヤ&ホイール
TIRES & WHEEL
- 走行用ボディー
BODY
- ボディー塗装用カラー
BODY SPRAY PAINT
- バッテリー固定用ストラッピングテープ
BATTERY STRAPPING TAPE
- 64ピッチ ピニオンギヤ
64P PINION GEAR

■ 別途用意する工具 ■

ASSEMBLING TOOLS REQUIRED (NOT INCLUDED IN KIT)



ドライバー (大, 小)
SCREW DRIVER (SMALL & LARGE)

六角レンチ (1.5mm & 2.0mm)
ALLEN WRENCH (1.5mm & 2.0mm)

ナットドライバー (7.0mm)
NUT WRENCH (7.0mm)

ラジオペンチ
NEEDLE NOSE PLIERS

ニッパー
SIDE CUTTER

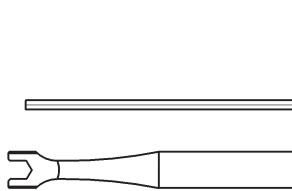
ハサミ
SCISSORS

カッター
HOBBY KNIFE

瞬間接着剤
CA (Cyanocrylate) GLUE

■ キットに入っている工具 ■

TOOLS (INCLUDED)



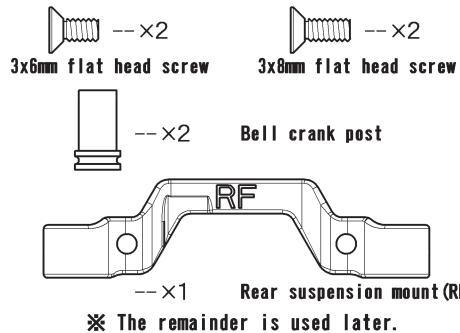
六角レンチ
**ALLEN WRENCH
(3.0mm)**

ターンバックルレンチ
TURNBUCKLE WRENCH

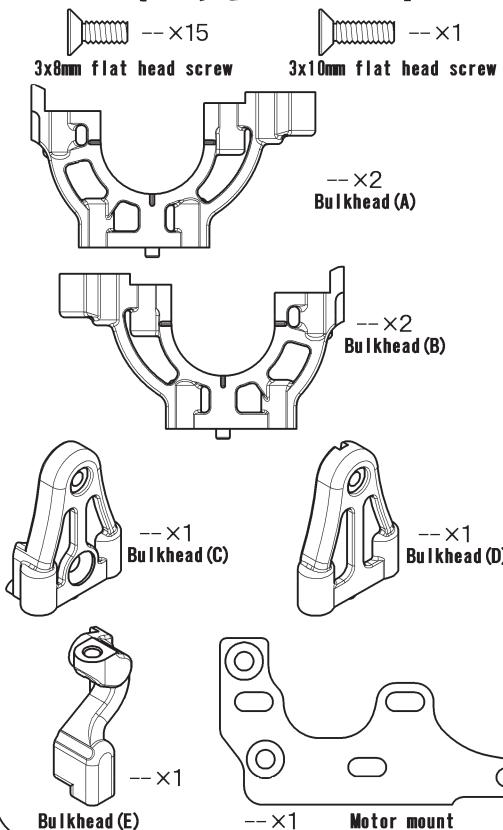
[MRTC BD7 Ver. RS] の性能を十分に発揮させる為にイラストを
良く参考し説明の順番に従って確実に組み上げて下さい。

*For assembly, follow the figures and the instructions closely so
that your [MRTC BD7 Ver. RS] will perform at its best!!*

[Bag-1 Contents]



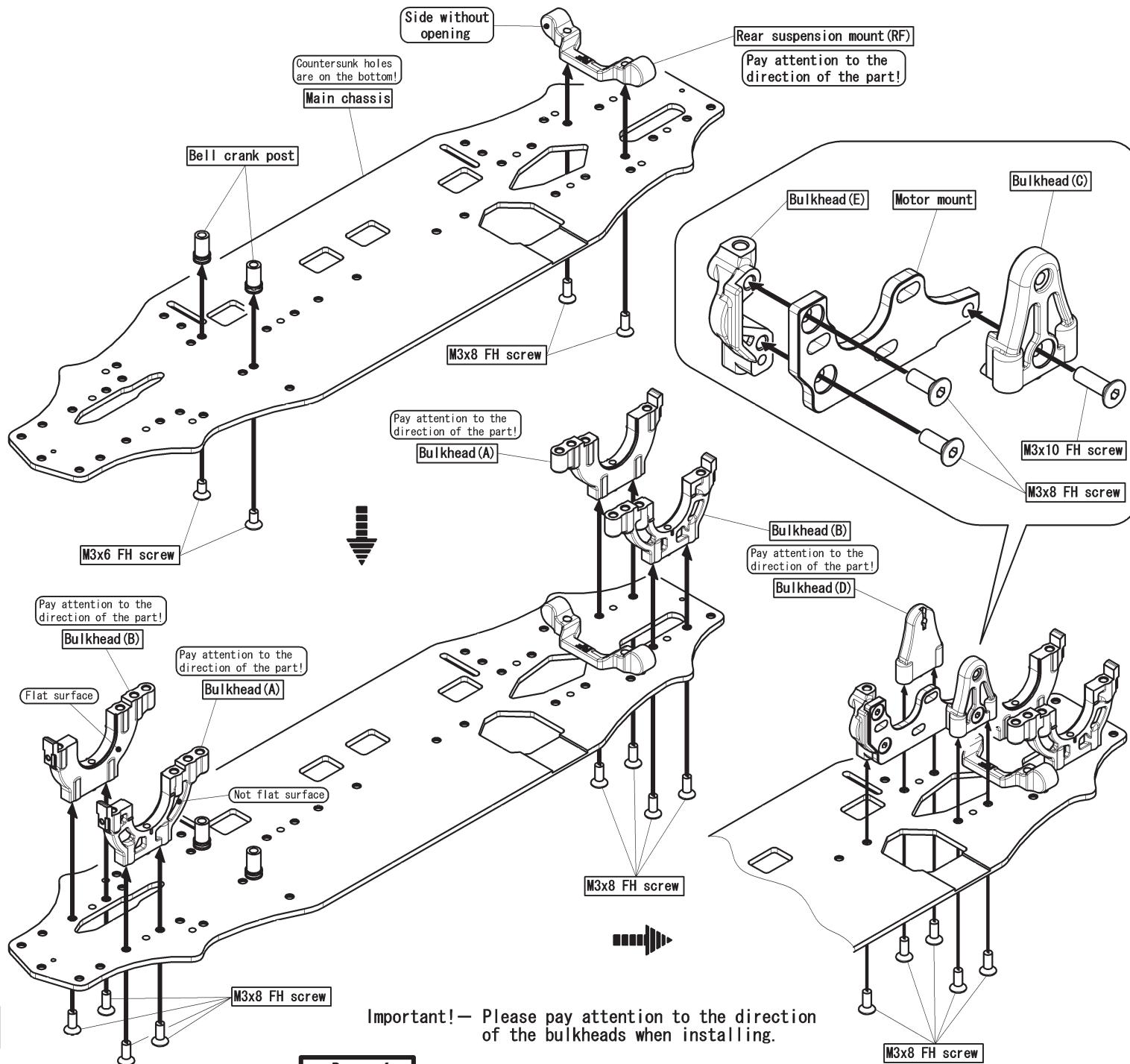
[Bag-2 Contents]



All of the 3mm set screws included in this kit are allen head set screws.

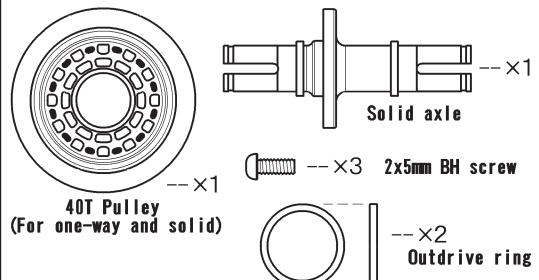
Yokomo pro tool series.

Please purchase a 2.0mm allen wrench. Part no. YT-20W

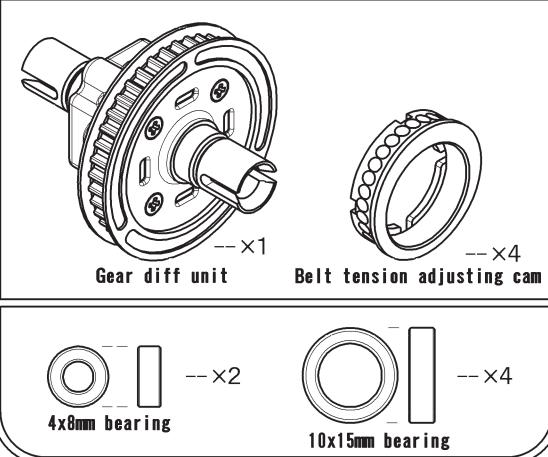
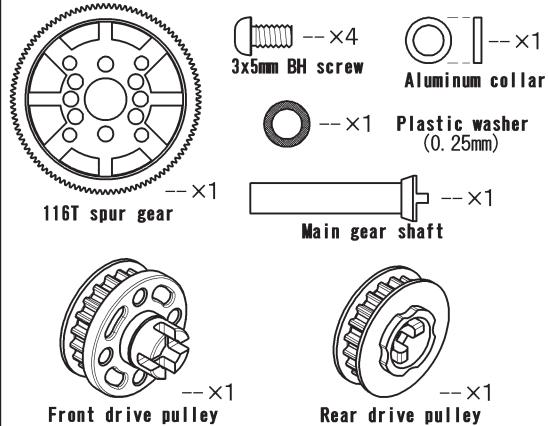


[Bag-3 Contents]

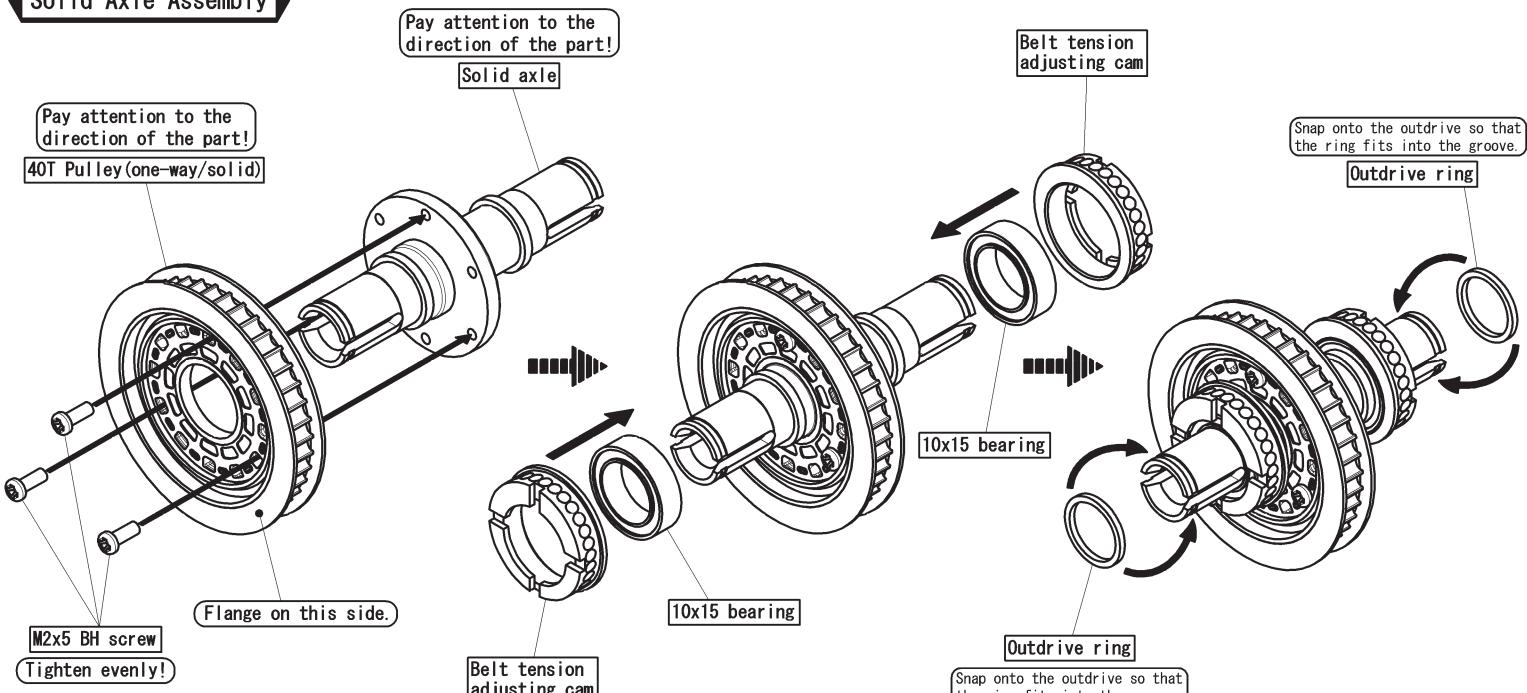
[SOLID AXLE PARTS]



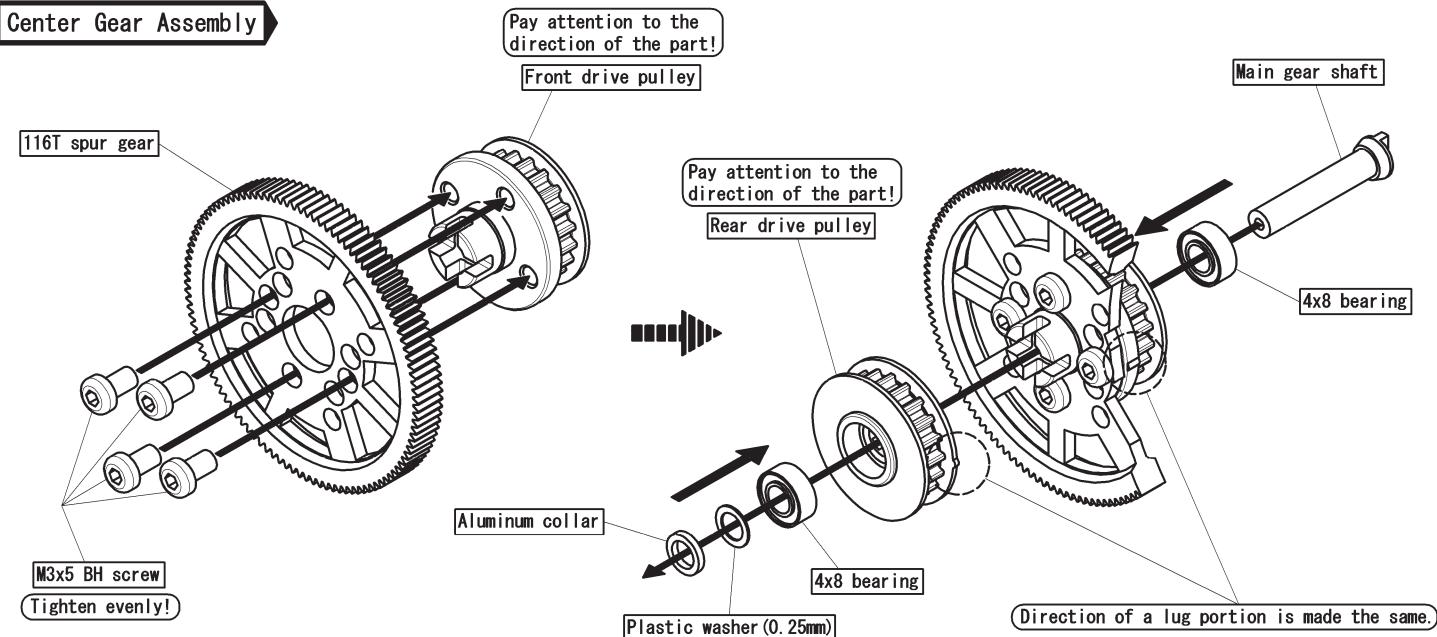
[CENTER GEAR PARTS]



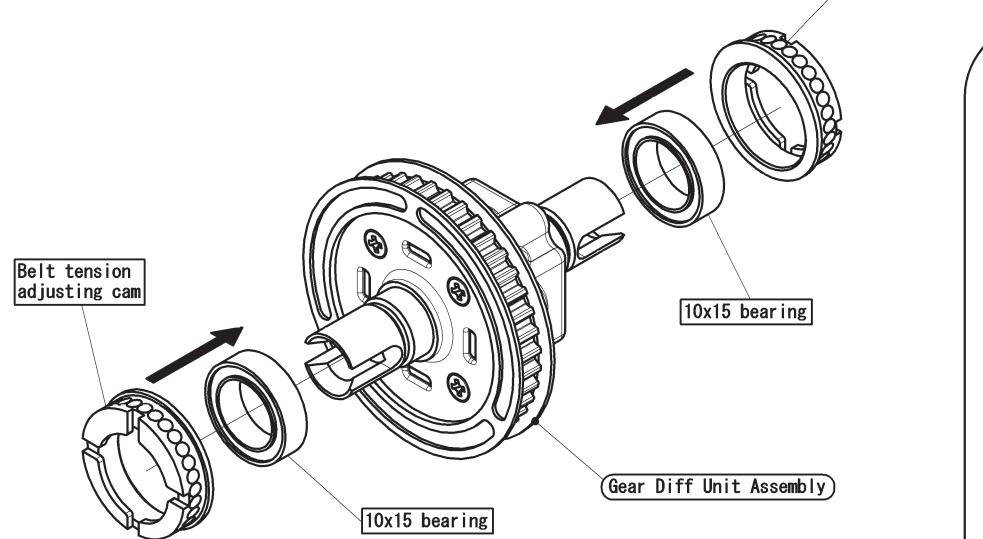
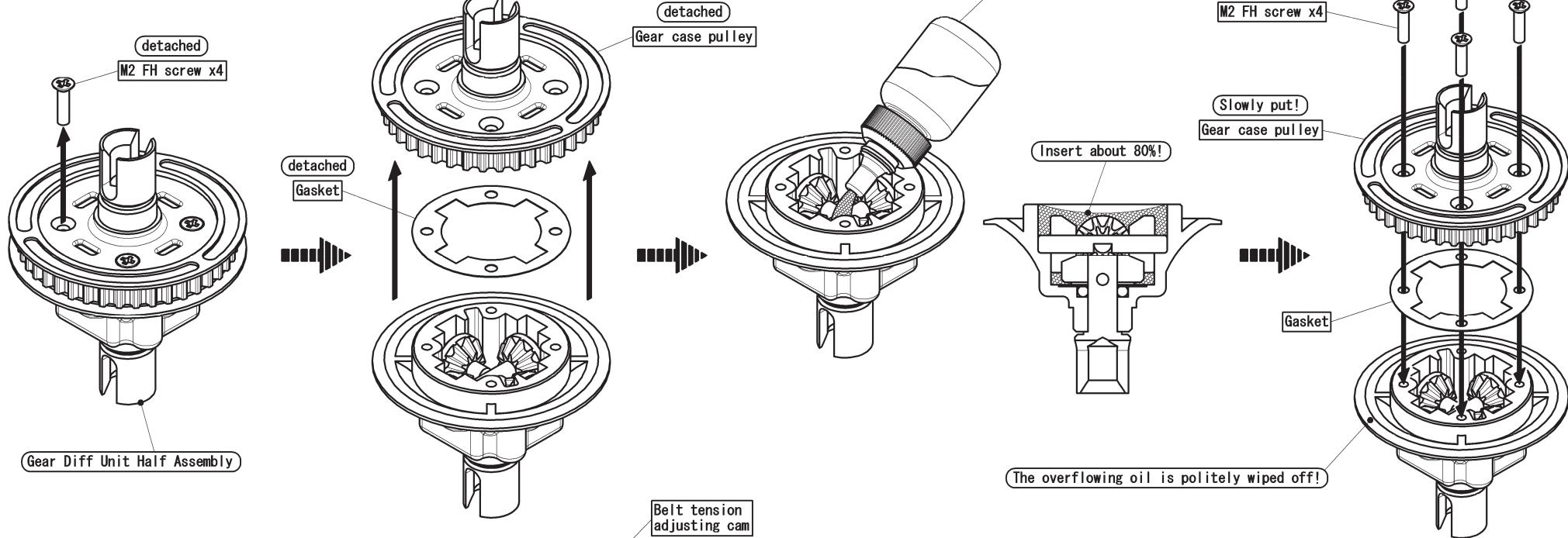
Solid Axle Assembly



Center Gear Assembly



Gear Diff Unit Assembly

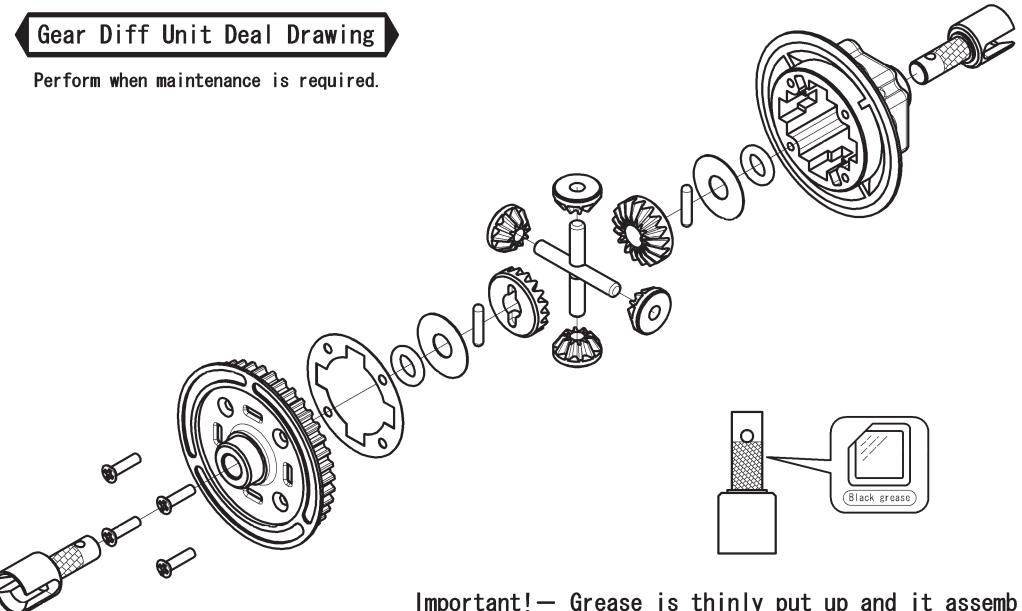


[Oil Bag]

#700 gear diff oil --x1

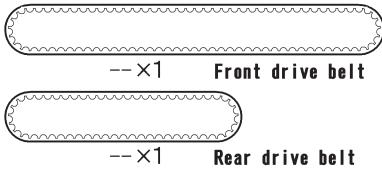
Gear Diff Unit Deal Drawing

Perform when maintenance is required.



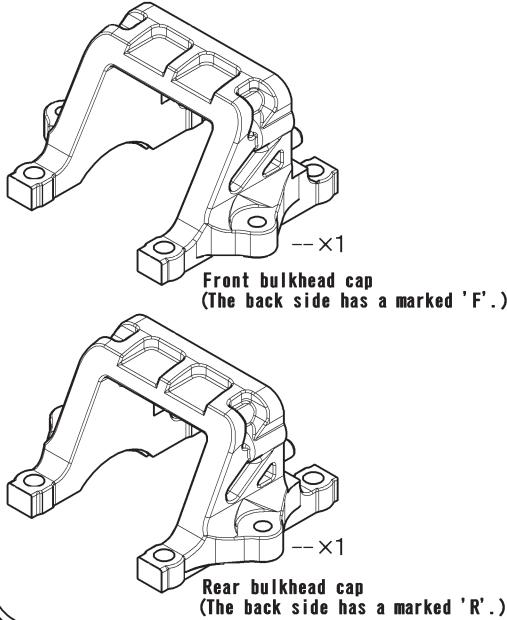
Important!— Grease is thinly put up and it assembles it again when resolving it.

[Bag-4 Contents]

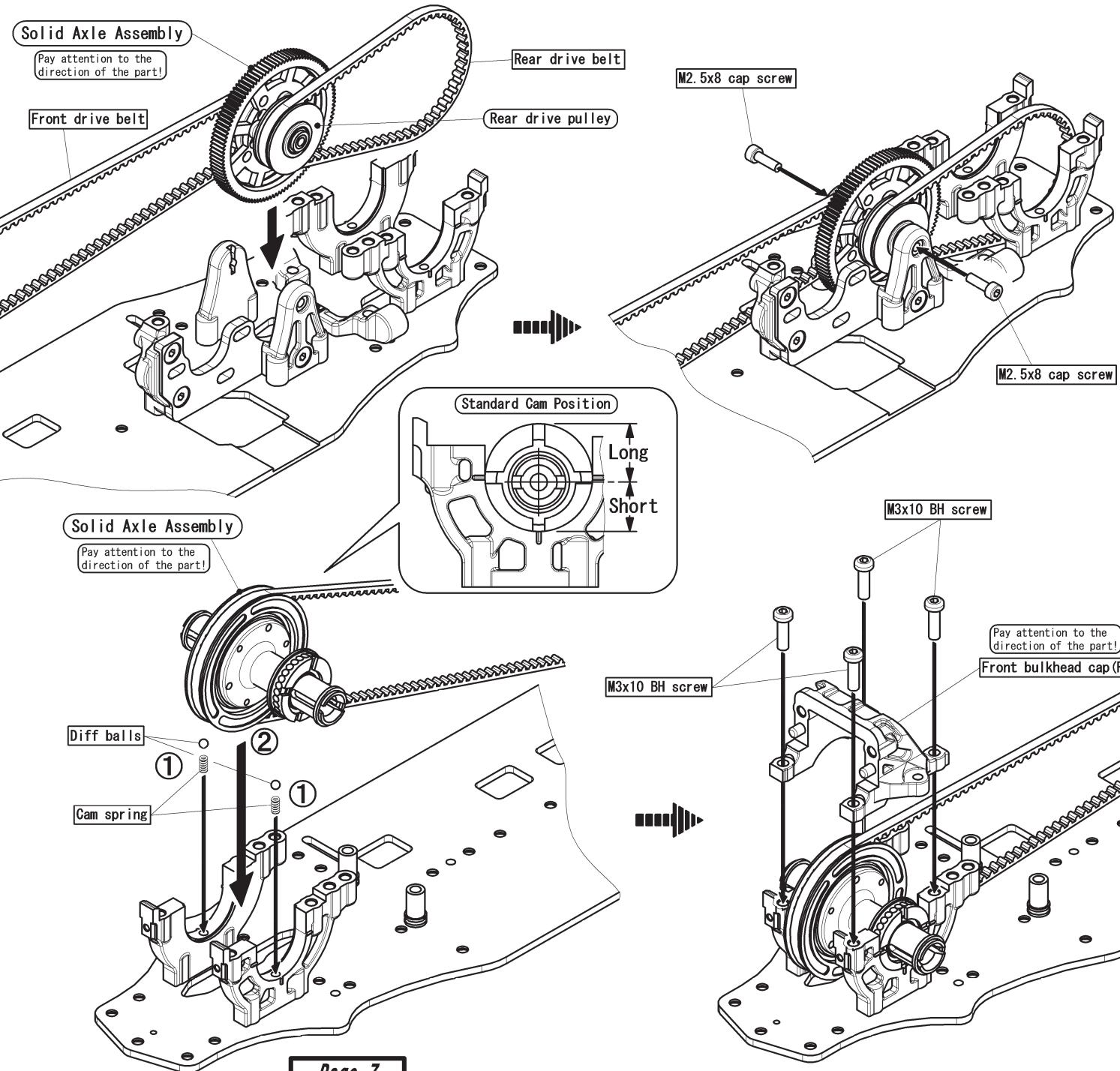
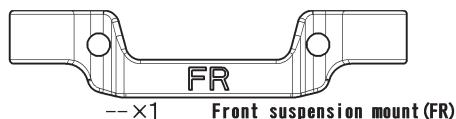


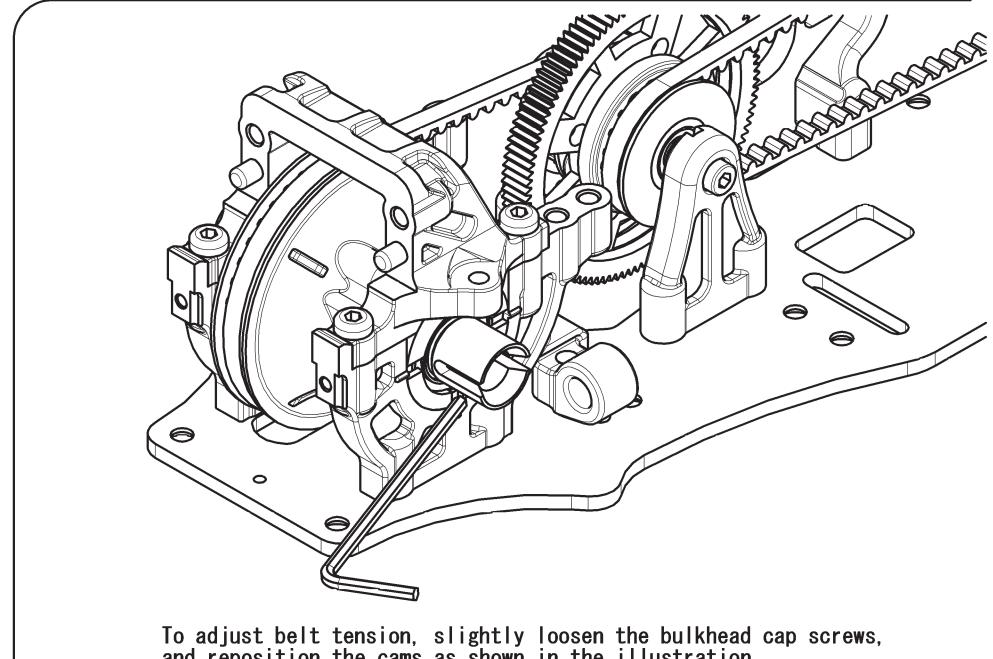
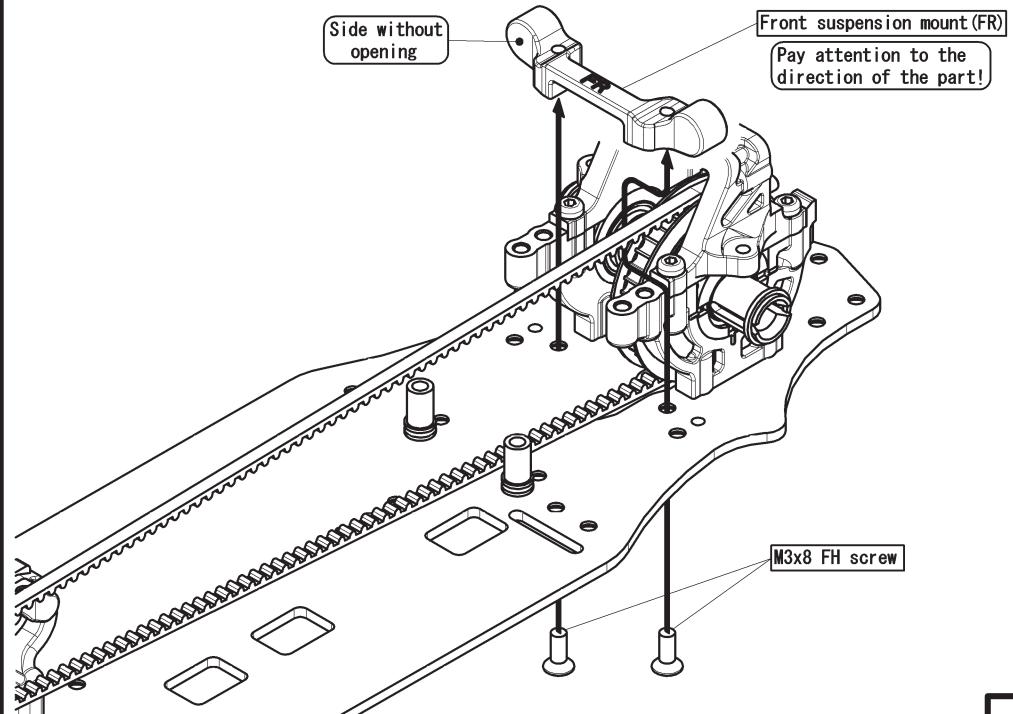
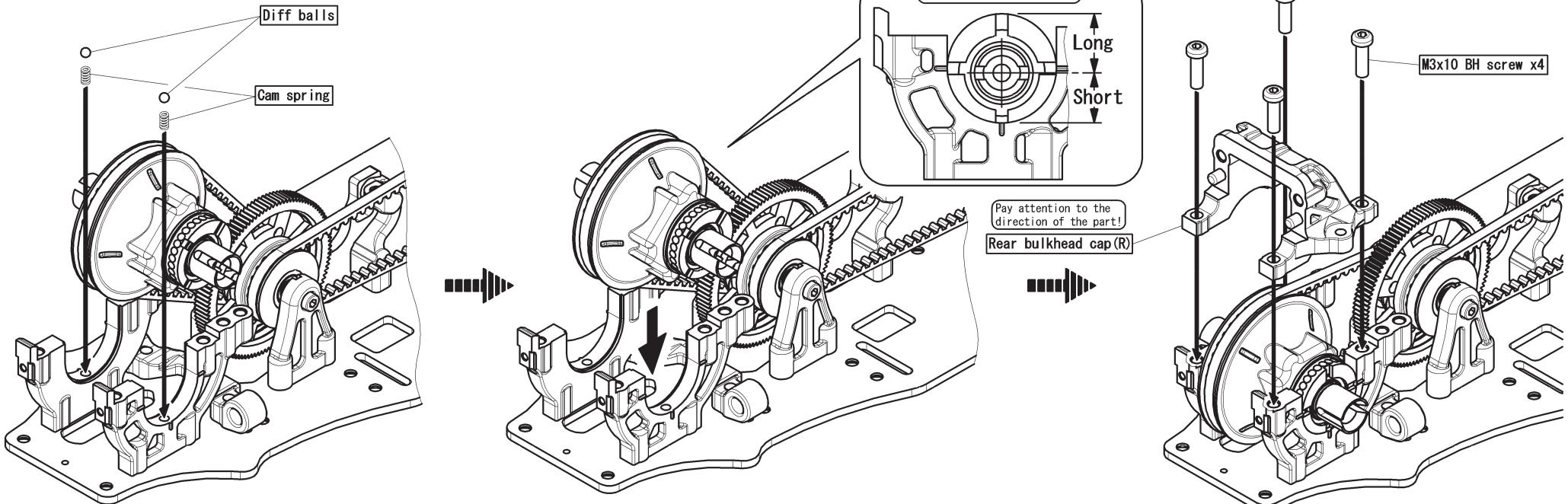
[Bag-5 Contents]

- x2 3x8mm flat head screw
- x8 3x10mm button head screw
- x2 2.5x8mm cap screw
- x4 Cam spring
- x4 Diff ball



Remaining parts from [Bag-1 Contents]

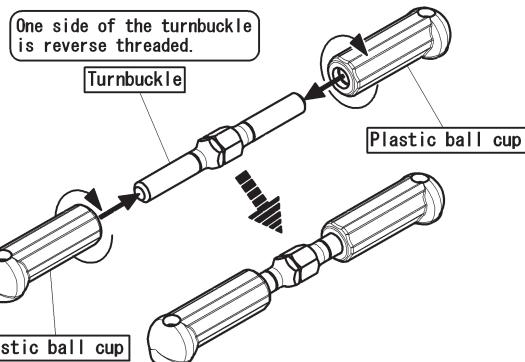




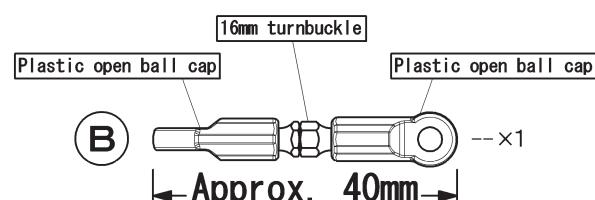
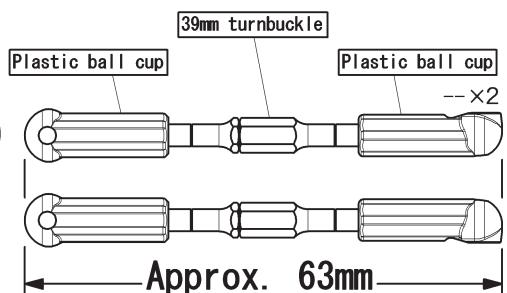
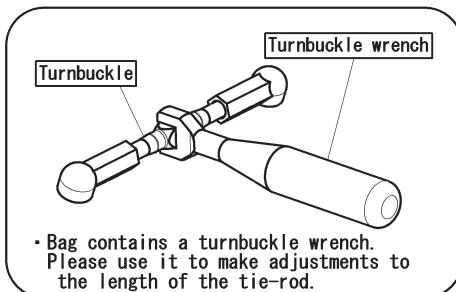
To adjust belt tension, slightly loosen the bulkhead cap screws, and reposition the cams as shown in the illustration.
(Make sure that the left and right cams are adjusted to the same position.)

[Bag-6 Contents]

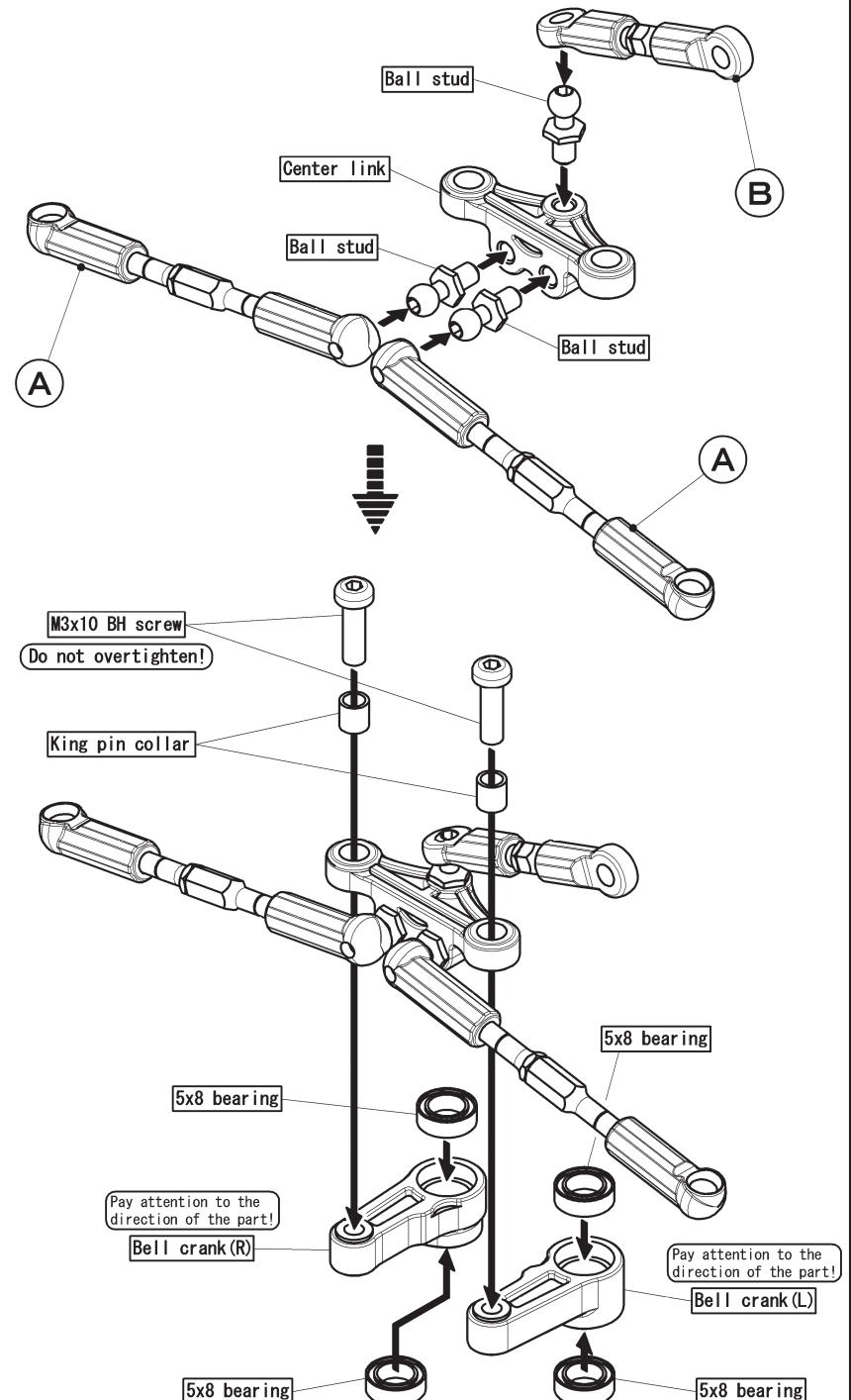
--x2	3x10mm flat head screw
--x2	3x10mm button head screw
--x2	King pin collar
--x3	Ball stud
--x1	16mm turnbuckle
--x2	39mm turnbuckle
--x4	Plastic ball cup
--x2	Plastic open ball cap
--x1	Bell crank
--x1	Center link
--x1	Center post
--x1	Turnbuckle wrench
--x4	5x8mm bearing

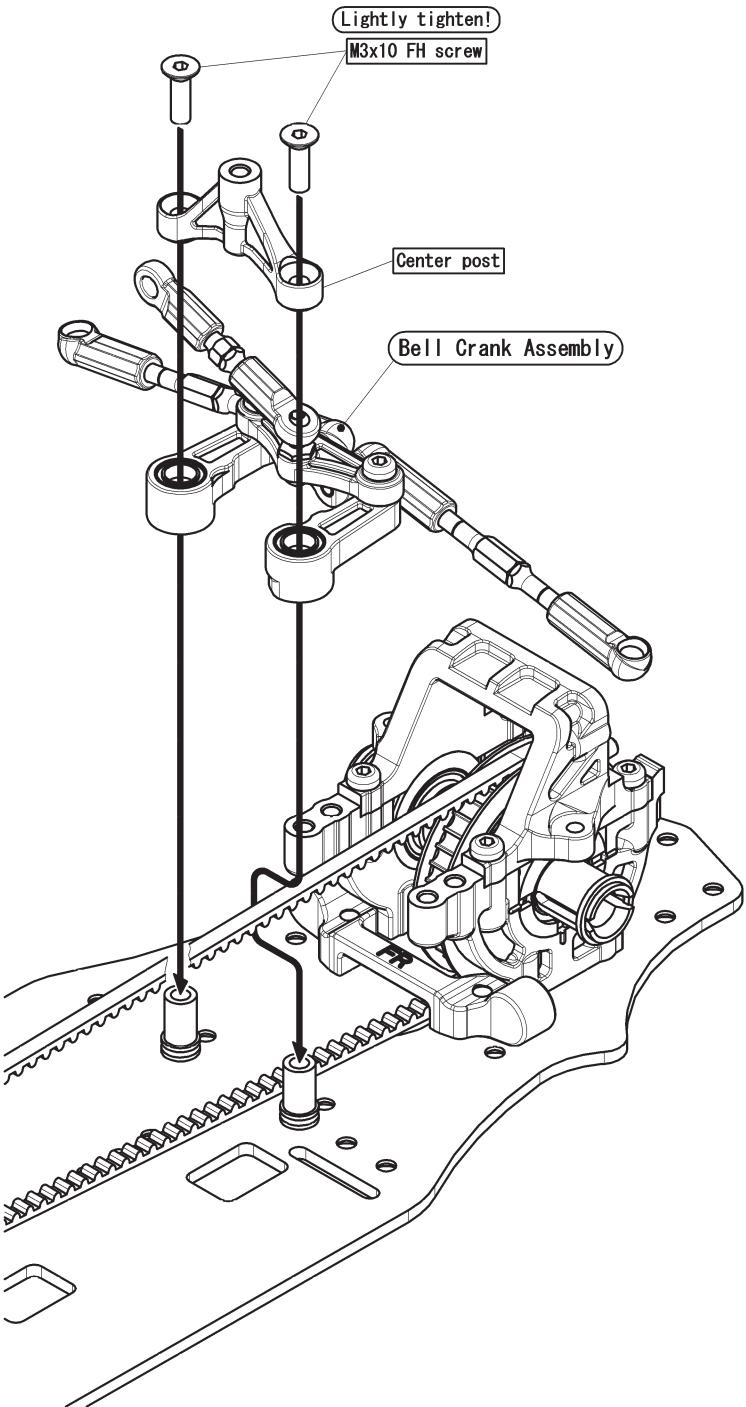


Assemble the tie-rod by attaching a plastic ball cup to both ends of the turnbuckle.



Length tuning is required by the servo to be used.





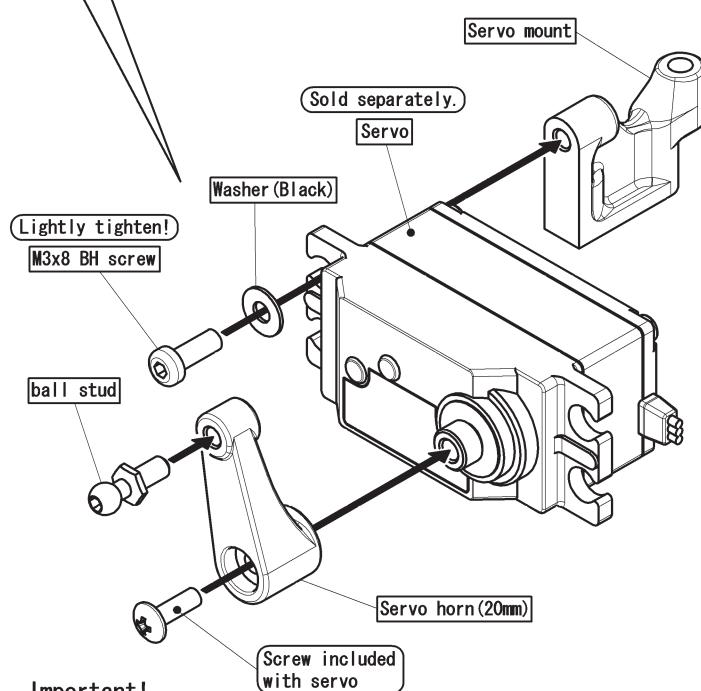
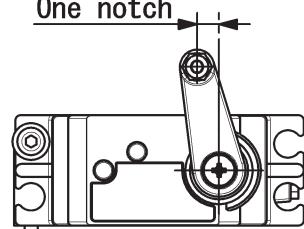
[Bag-7 Contents]

- | | | |
|---|-------|--------------------------------------|
| | --×1 | 3x6mm flat head screw |
| | --×2 | 3x8mm flat head screw |
| | --×10 | 3x6mm button head screw |
| | --×1 | 3x8mm button head screw |
| | --×1 | 3x10mm button head screw |
| | --×1 | Ball stud |
| | --×1 | Washer (Black) |
| | --×1 | Servo mount |
| | 17 mm | |
| | 20 mm | |
| Servo horn
(3 different types included.) | | |
| | --×1 | 3x10mm tapping screw
(Small head) |
| | --×1 | 2.6x10mm tapping screw |
| | --×1 | 3x10mm screw |
| | --×1 | Front belt tensioner |
| | --×1 | Upper deck |
| Also included: double-sided tape x1 | | |
| | --×2 | 3x6mm bearing |



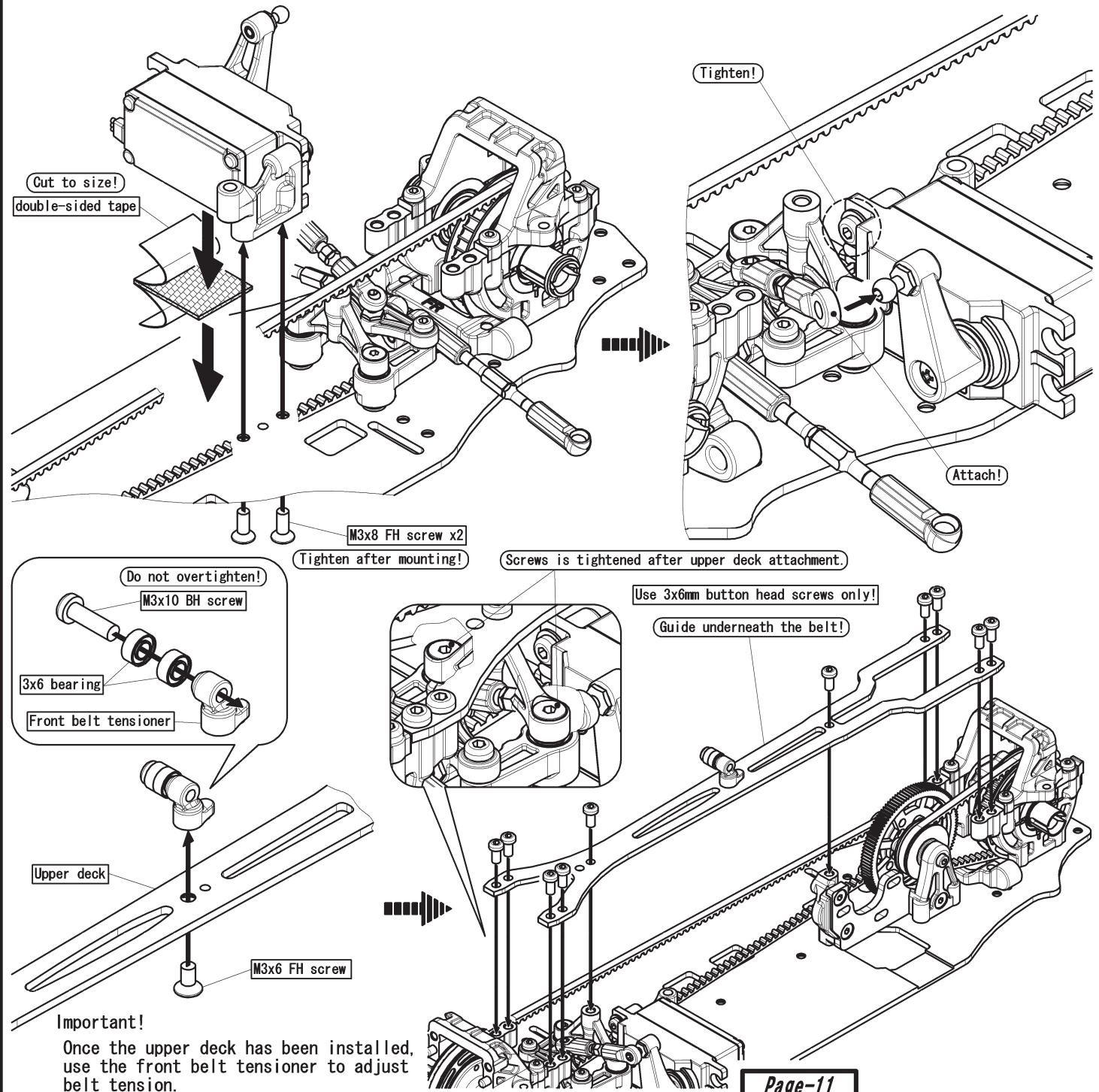
Mark	Manufacturer
F	Futaba
H	Hitec
S/K	Sanwa, KO, JR

The included servo horns are marked with a letter designating servo compatibility. Select the servo horn matching the servo being used. As shown in the illustration, center the servo, and attach the servo horn, offset by one notch.

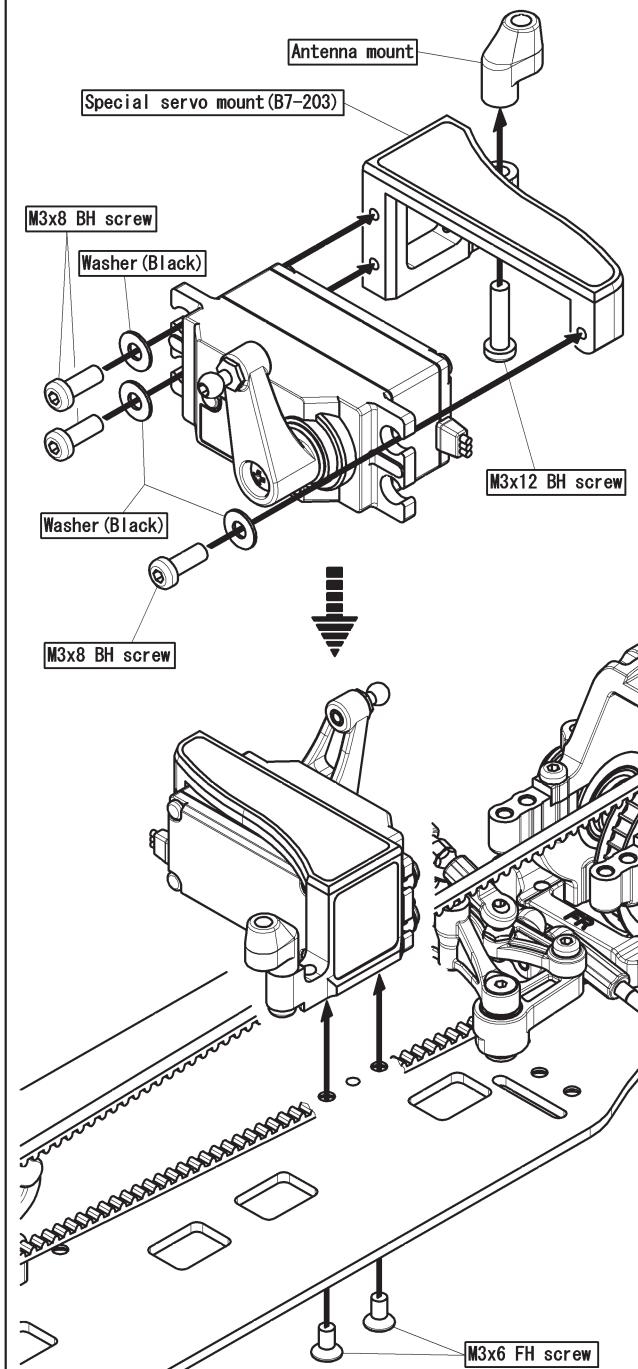


Important!

- ① Attach the servo horn to the servo using the same (or similar) screw included with the servo unit. (3 different screws are included in the kit: 2.6x10mm tapping screw, 3x10mm tapping screw, 3x10mm screw)
 - ② Make sure that the servo is centered before attaching the servo horn lower. (Refer to your radio manual for more information.)
 - ③ Kit includes 3 servo horns. Select the servo horn designated for use with the servo being used. (Using an incorrect servo horn may result in damage to the servo.)



Special Servo Mount (Sold separately.)



[Bag-8 Contents]

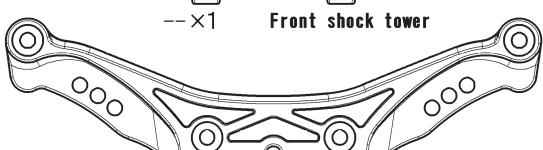
--x4 3x10mm flat head screw

--x4 30mm turnbuckle

--x4 Ball stud



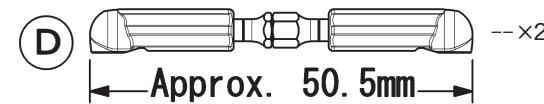
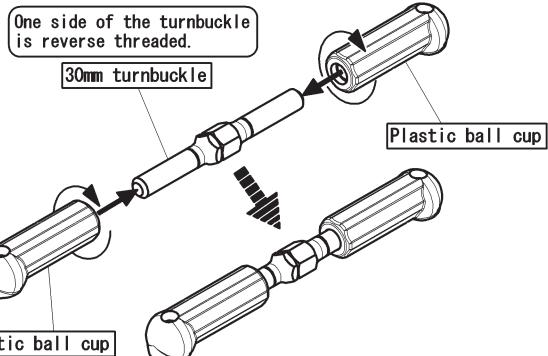
--x1 Front shock tower



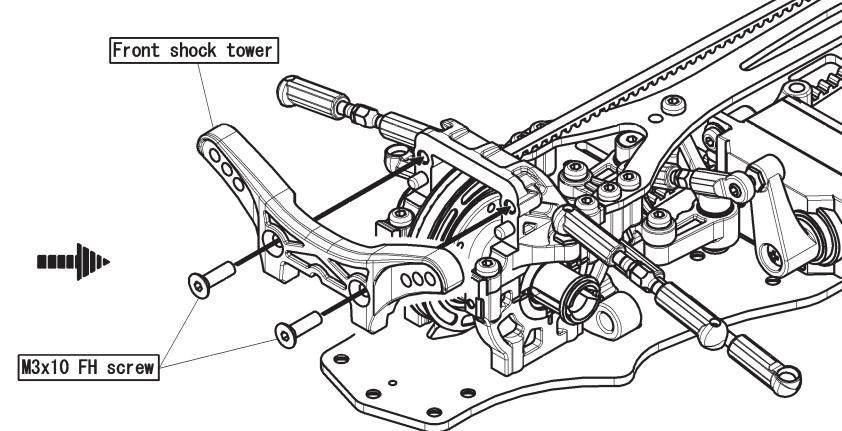
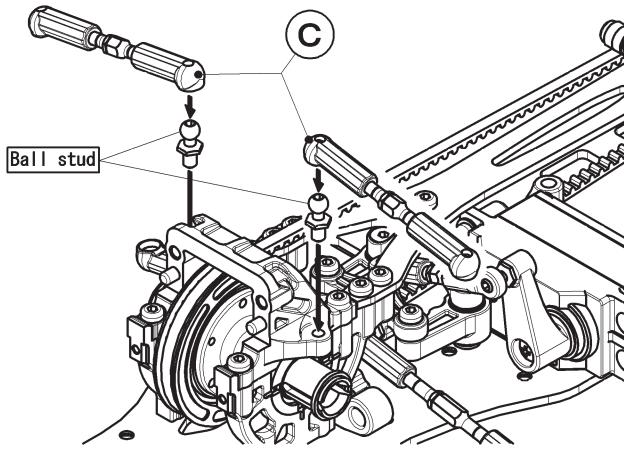
--x1 Rear shock tower

**Remaining parts from
[Bag-6 Contents]**

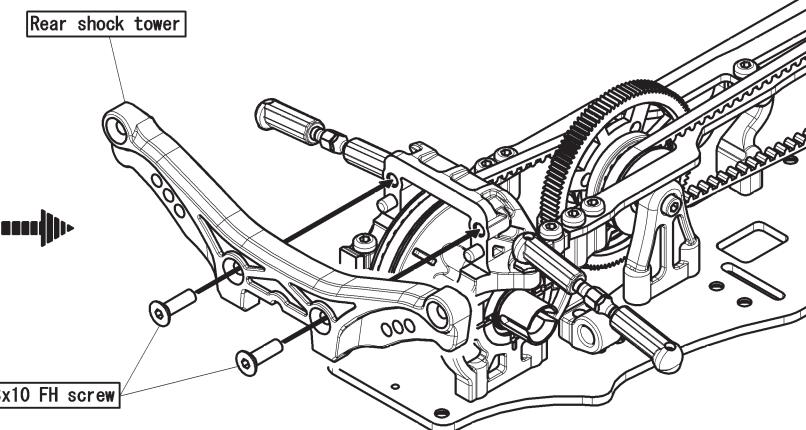
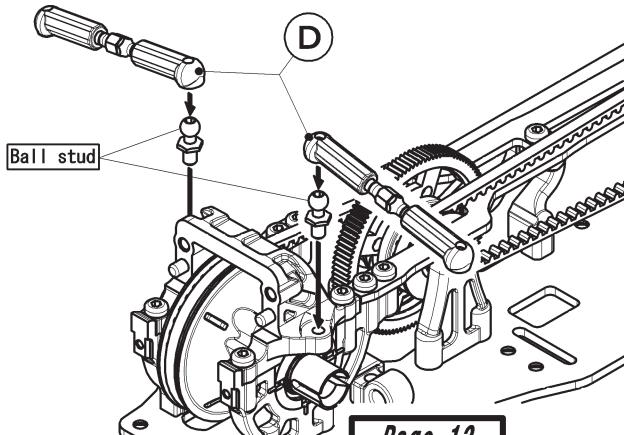
--x8 Plastic ball cup



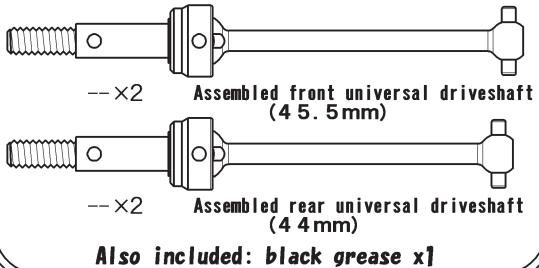
Installing on front shock tower



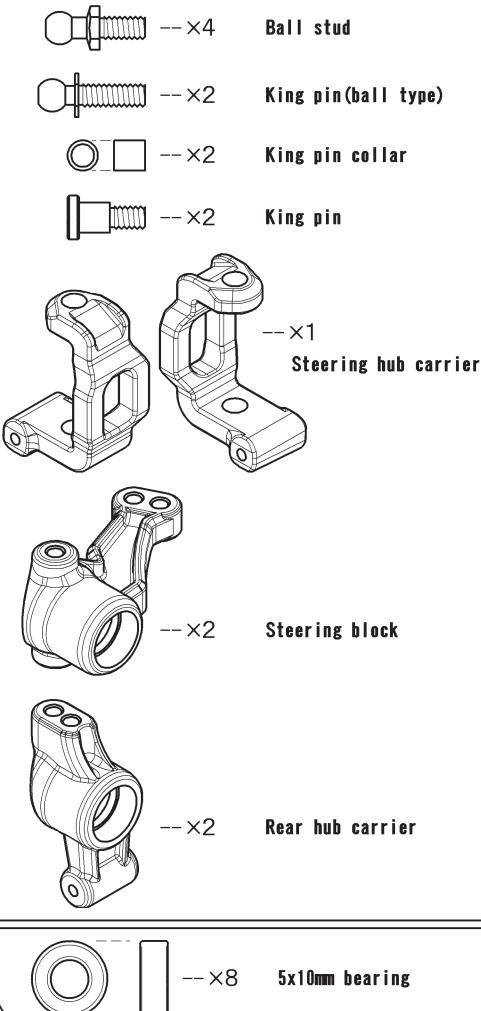
Installing on rear shock tower



[Bag-9 Contents]

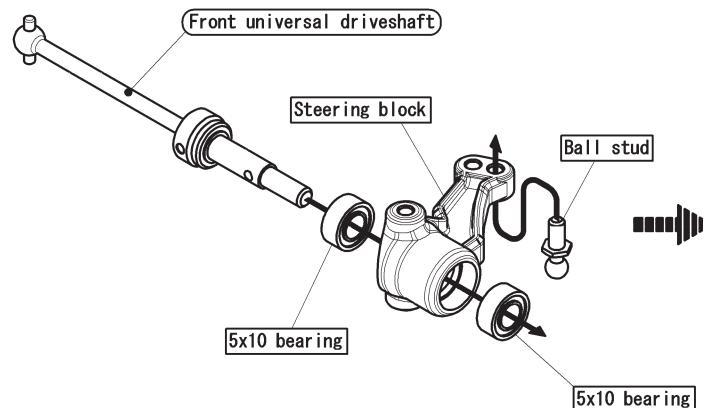


[Bag-10 Contents]



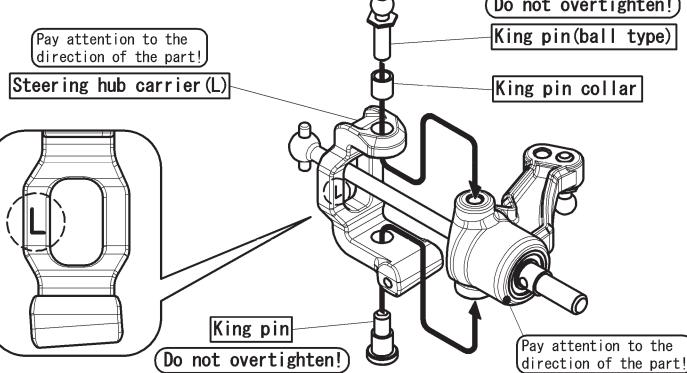
Front Hub Carrier Assembly

Assemble 2 sets.
(The steering hub carriers are different left and right.)



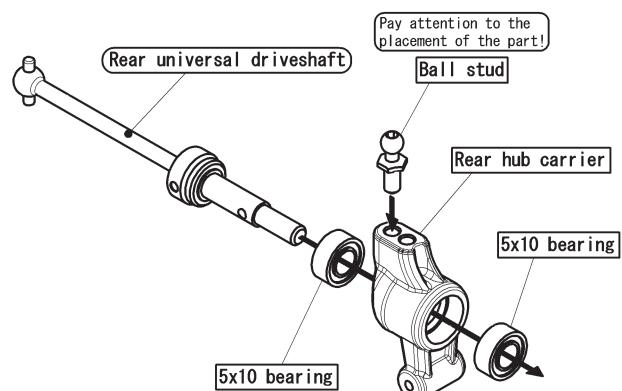
Important!

- The left and right steering hub carriers are different.
- Slowly tighten the upper king pin. Overtightening the king pin may cause the king pin collar to be squished, preventing the steering block from moving freely.

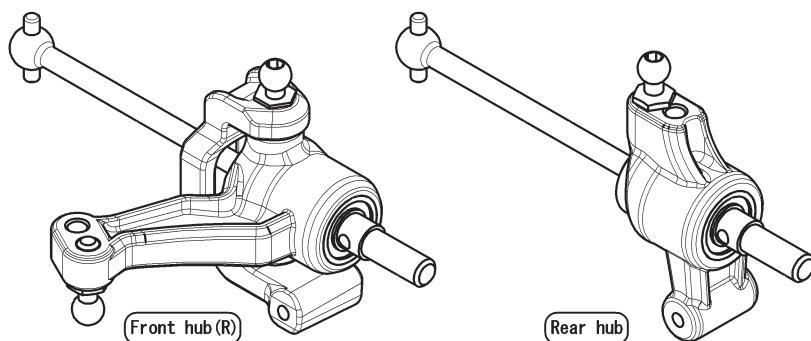


Rear Hub Carrier Assembly

Assemble 2 sets.

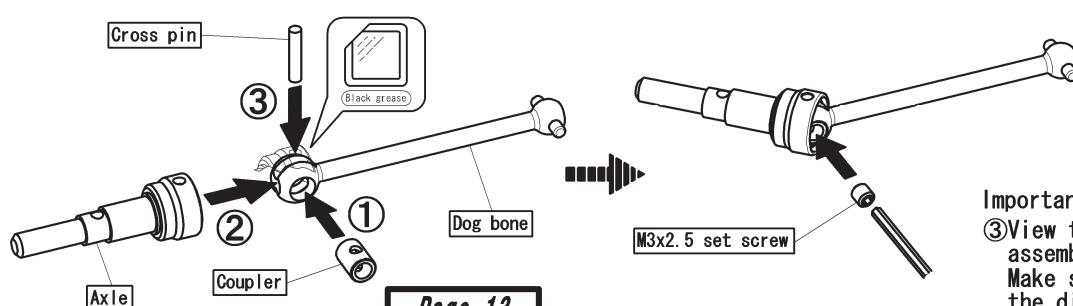


【 Assemble each side in the same manner. 】



Universal Driveshaft Assembly

Perform when maintenance is required.



	Dog bone
Front	45.5 mm
Rear	44 mm

Important!

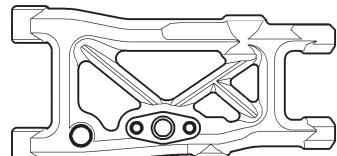
③View the illustration on the left when assembling the universal drive shafts. Make sure to apply black grease. Follow the directions in reverse for disassembly.

[Bag-11 Contents]

	--x4	3x8mm flat head screw
	--x4	2x4mm tapping screw
	--x2	3x8mm set screw
	--x2	3x10mm set screw
	--x4	4x8mm set screw
	--x8	Inner suspension arm pin ball
	--x4	Outer suspension arm pin
	--x2	Inner suspension arm pin(S)
	--x2	Inner suspension arm pin(L)



--x2 Front lower suspension arm

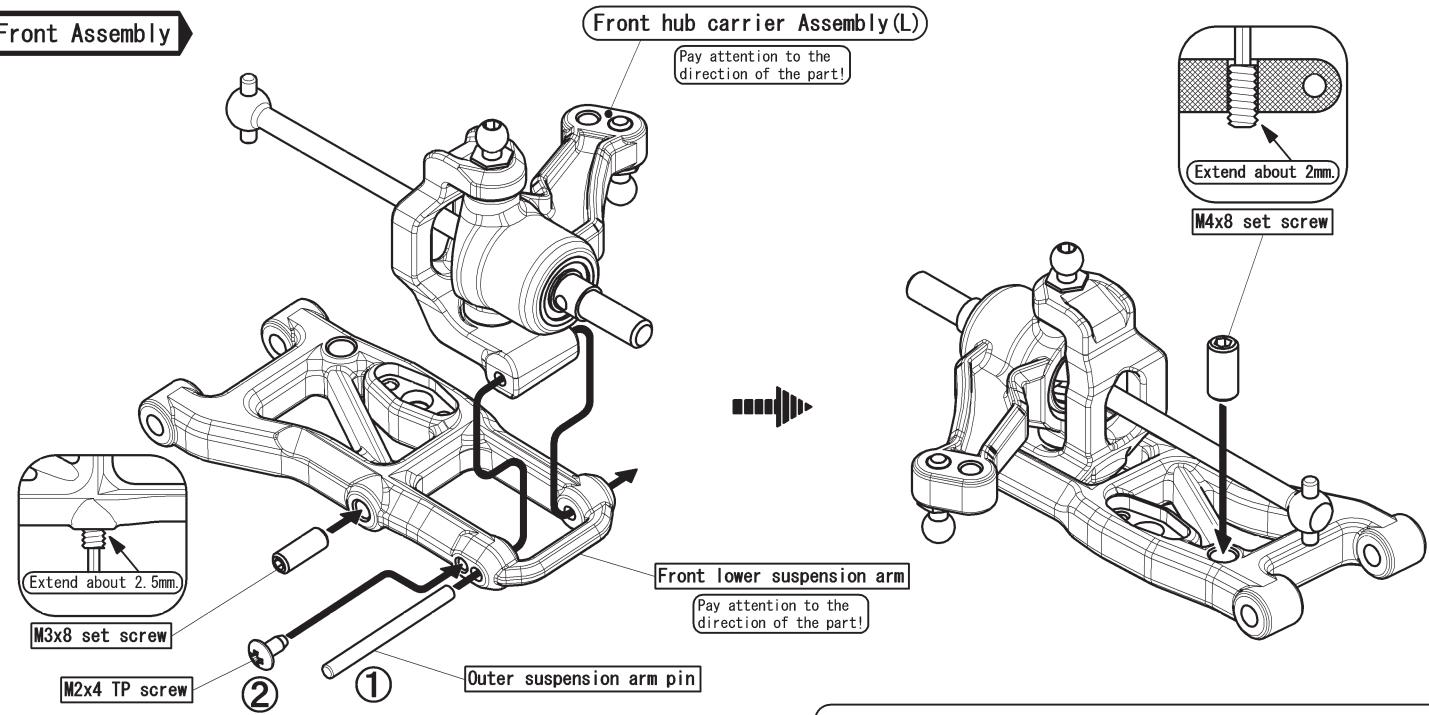


--x2 Rear lower suspension arm

Remaining parts from [Bag-1 Contents]

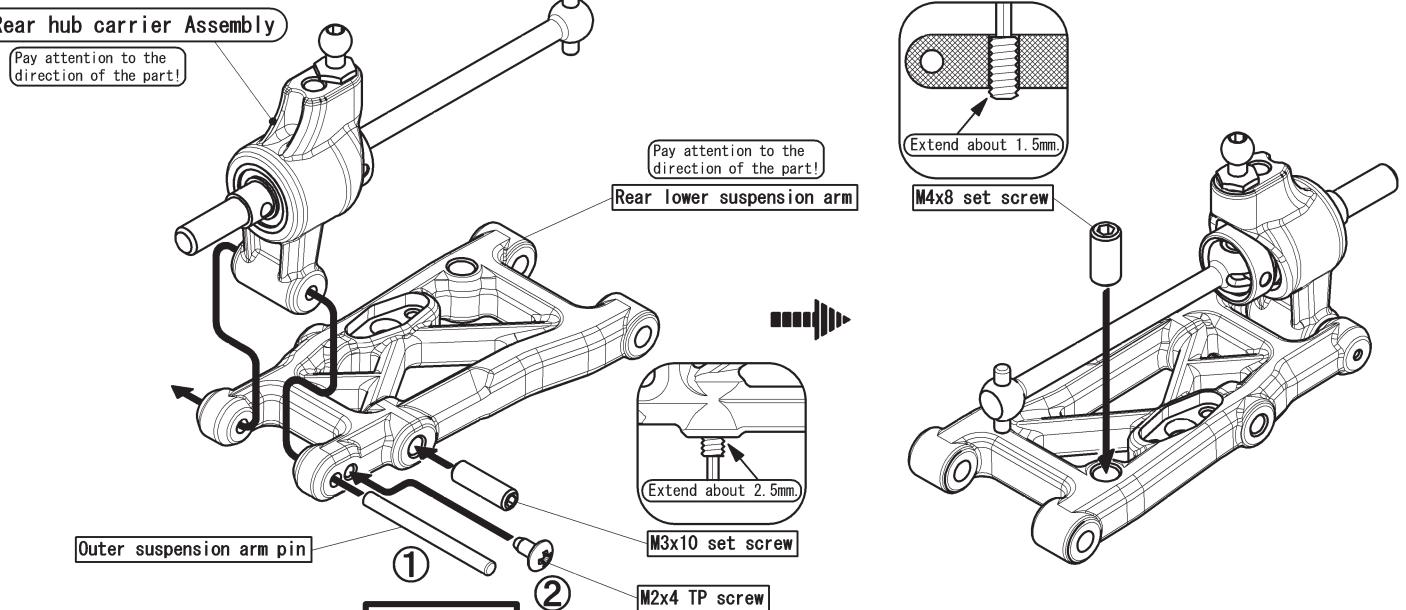
	--x4	Collar (0.5mm)
	--x4	Collar (2.0mm)
	--x1	Front suspension mount (FF)
	--x1	Rear suspension mount (RR3.5)

Front Assembly



【 Assemble each side in the same manner. 】

Rear Assembly



Front Assembly

Front lower suspension arm Assembly (R)

Pay attention to the direction of the part!

Inner suspension arm pin ball

Collar (0.5mm)

Inner suspension arm pin(S)

Collar (0.5mm)

Inner suspension arm pin ball

Pay attention to the direction of the part!

Front suspension mount (FF)

M3x8 FH screw

Front lower suspension arm Assembly (L)

Pay attention to the direction of the part!

Black grease

Rear Assembly

Rear lower suspension arm Assembly (L)

Pay attention to the direction of the part!

Inner suspension arm pin ball

Collar (2.0mm)

Inner suspension arm pin (L)

Collar (2.0mm)

Inner suspension arm pin ball

Pay attention to the direction of the part!

Rear suspension mount (RR)

M3x8 FH screw

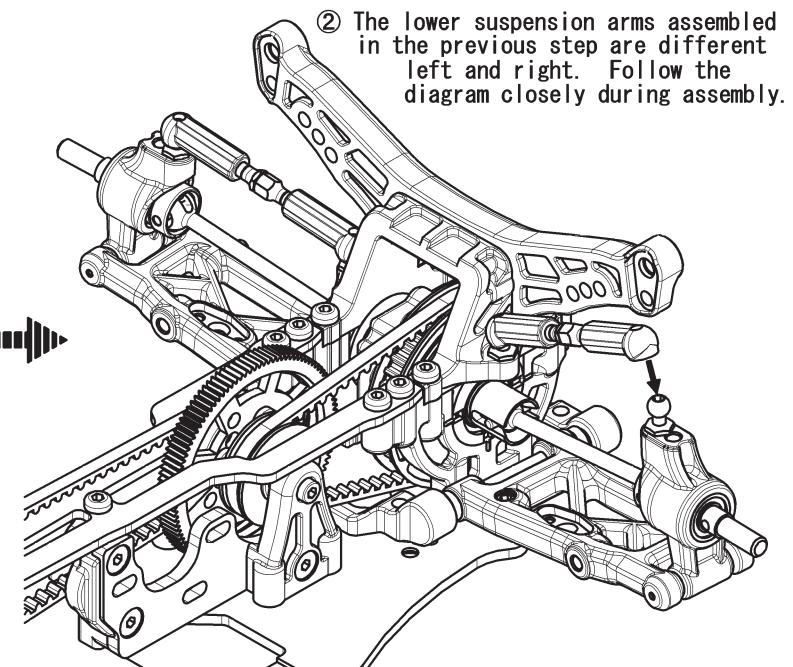
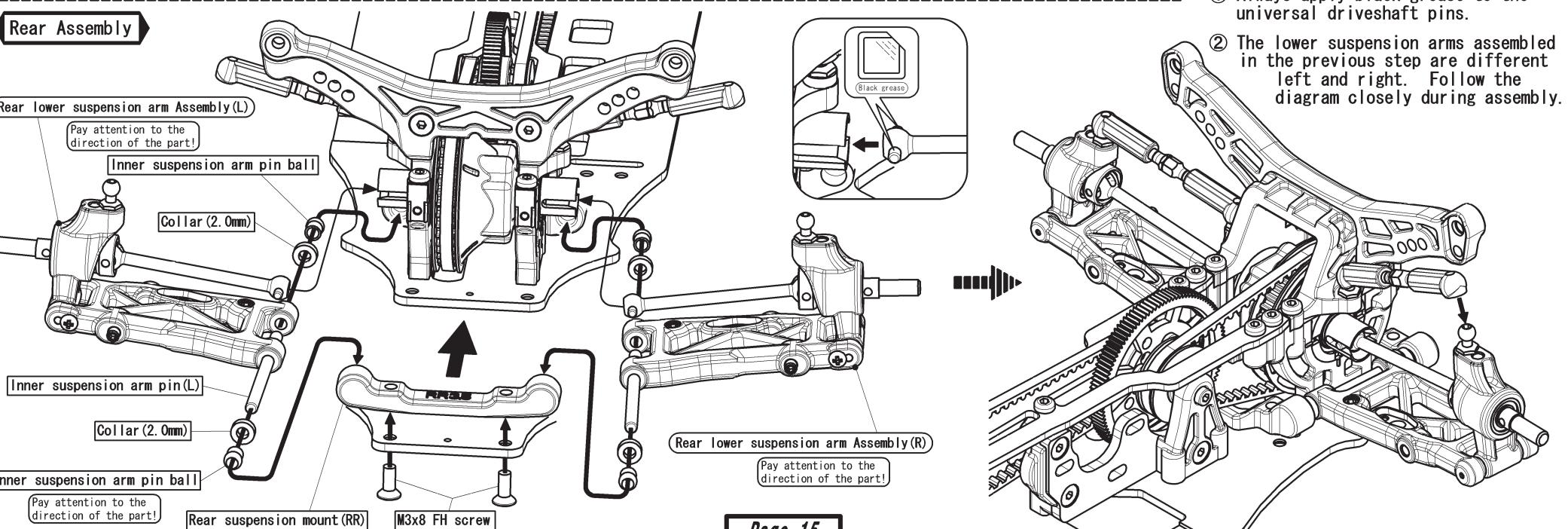
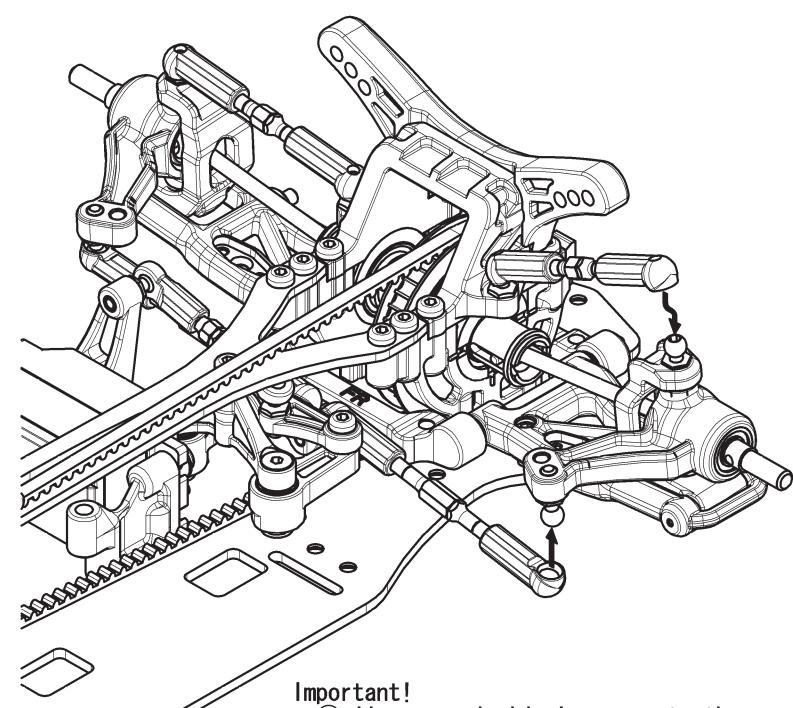
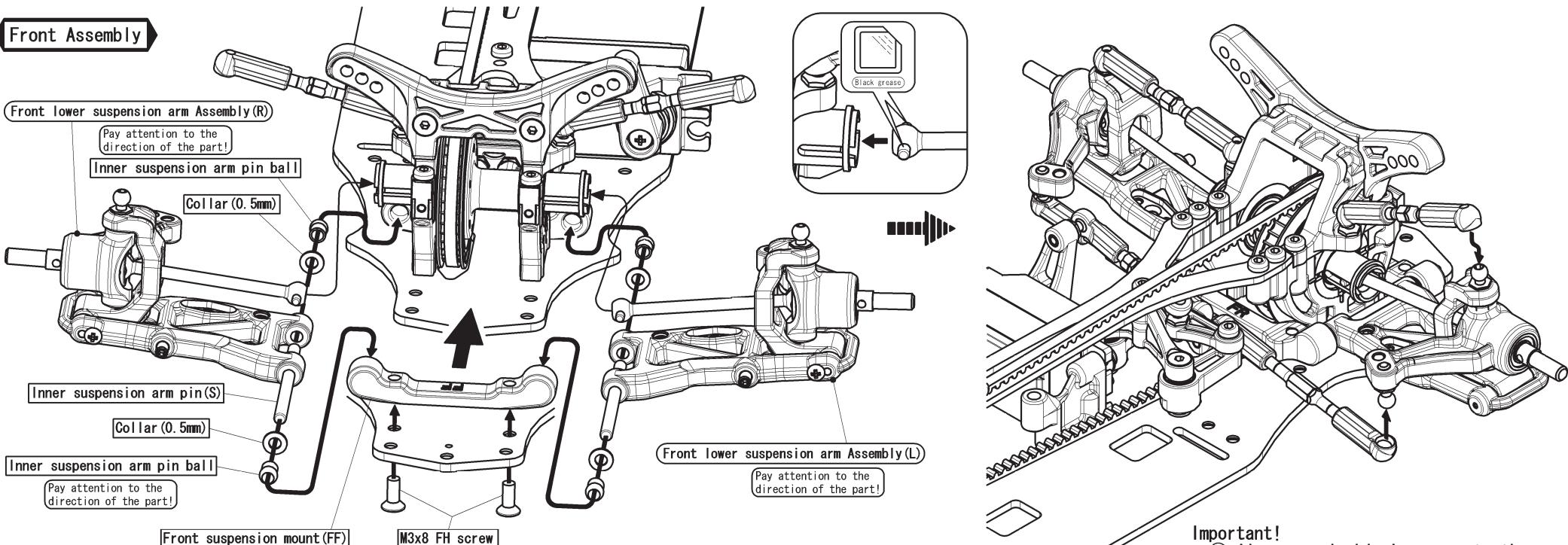
Rear lower suspension arm Assembly (R)

Pay attention to the direction of the part!

Important!

① Always apply black grease to the universal driveshaft pins.

② The lower suspension arms assembled in the previous step are different left and right. Follow the diagram closely during assembly.



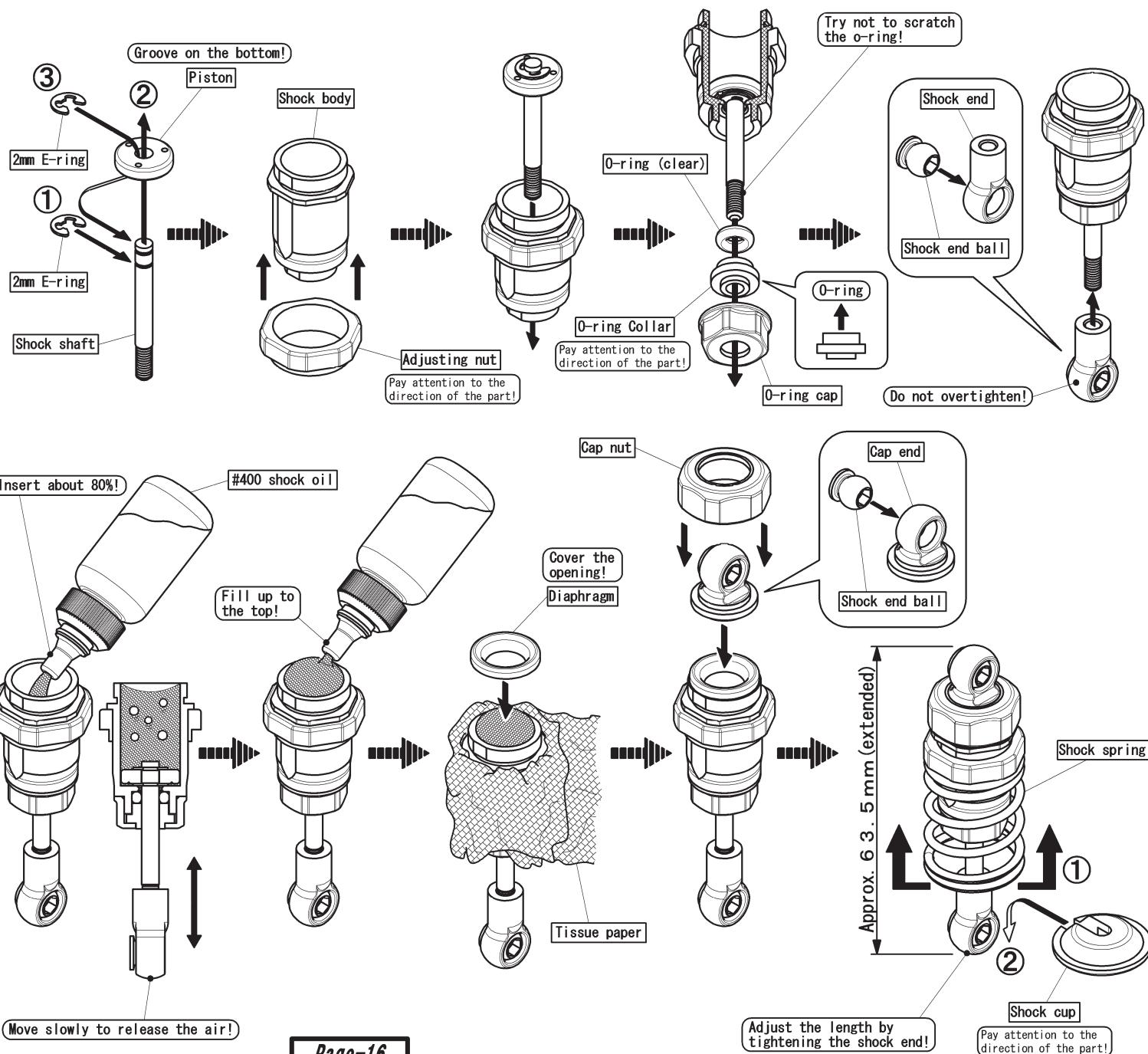
[Bag-12 Contents]

	--x4	3x8mm button head screw
	--x4	Piston
	--x4	O-ring (clear)
	--x4	Cap end
	--x4	O-ring cap
	--x4	Shock end
	--x4	Adjusting nut
	--x4	Diaphragm
	--x4	Shock body
	--x4	Shock shaft
	--x4	Shock spring
	--x1	Allen key (3.0mm)

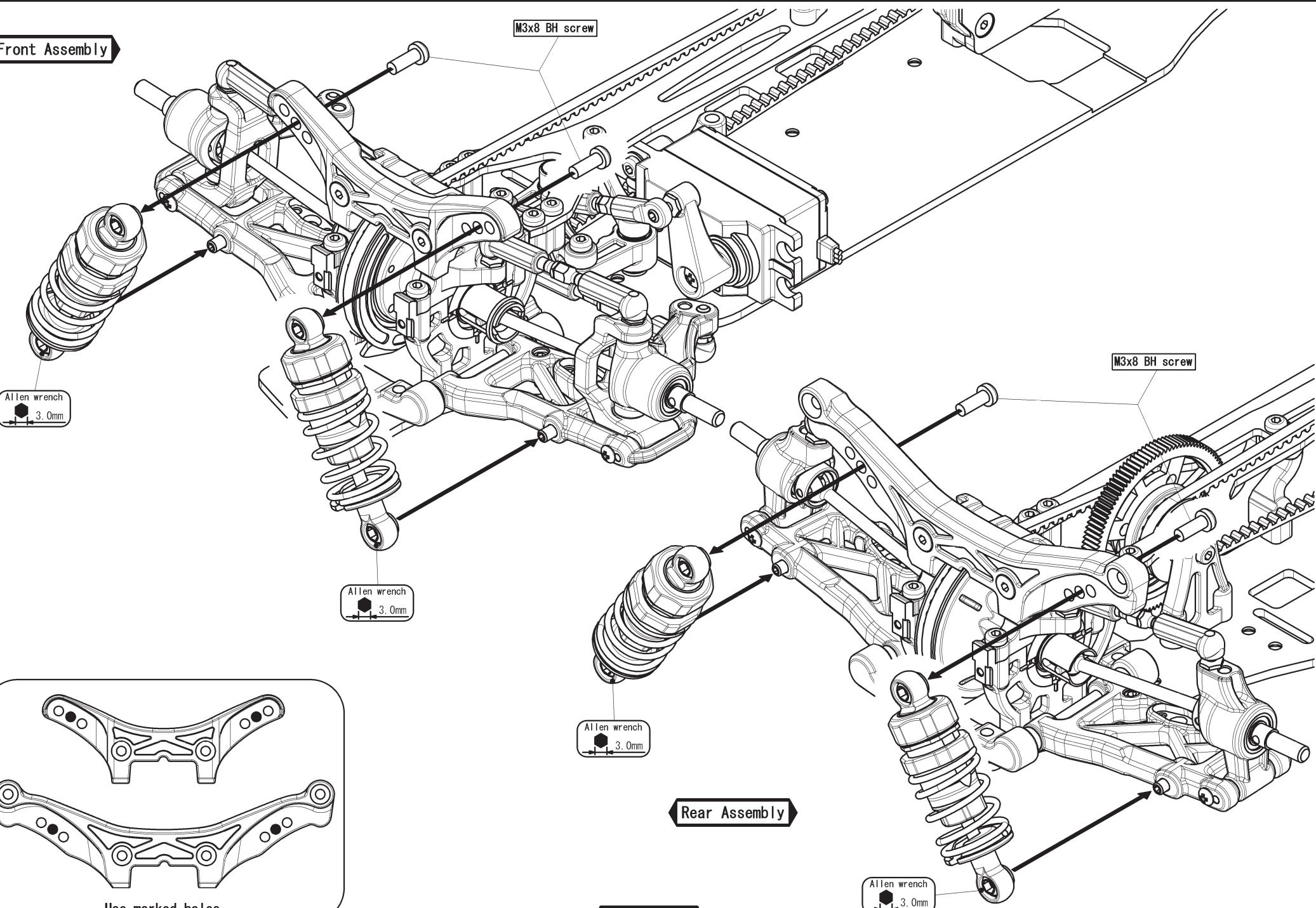
[Oil Bag]

#400 shock oil --x1

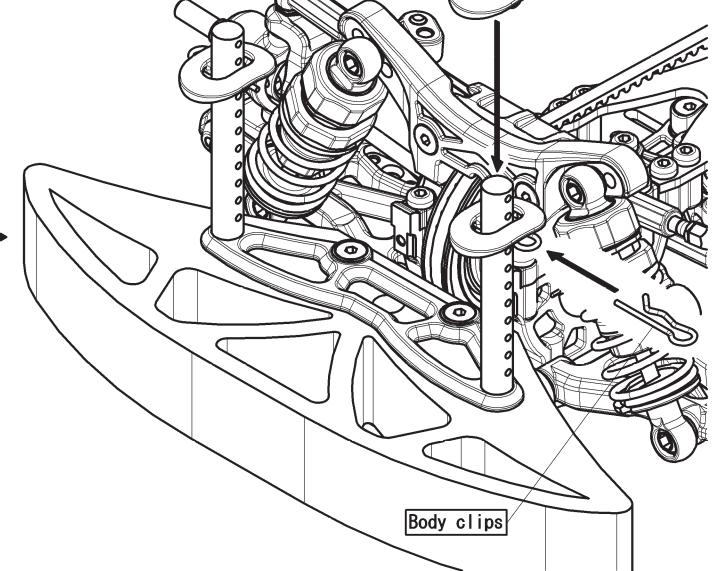
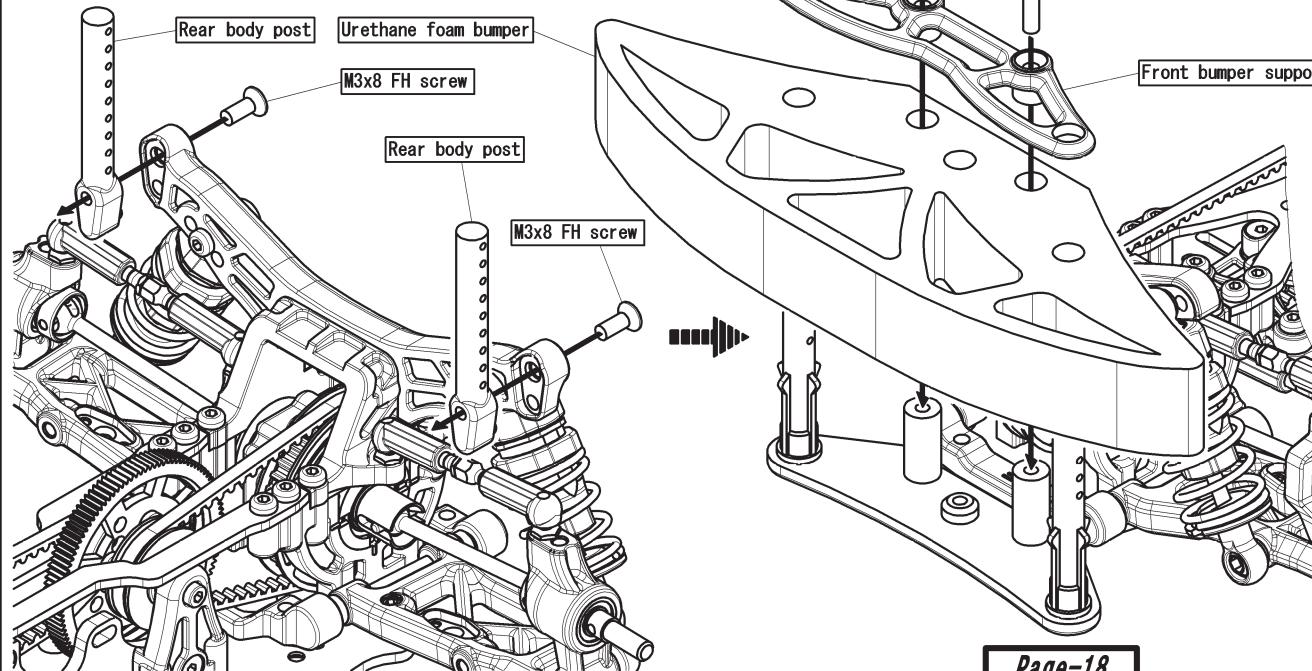
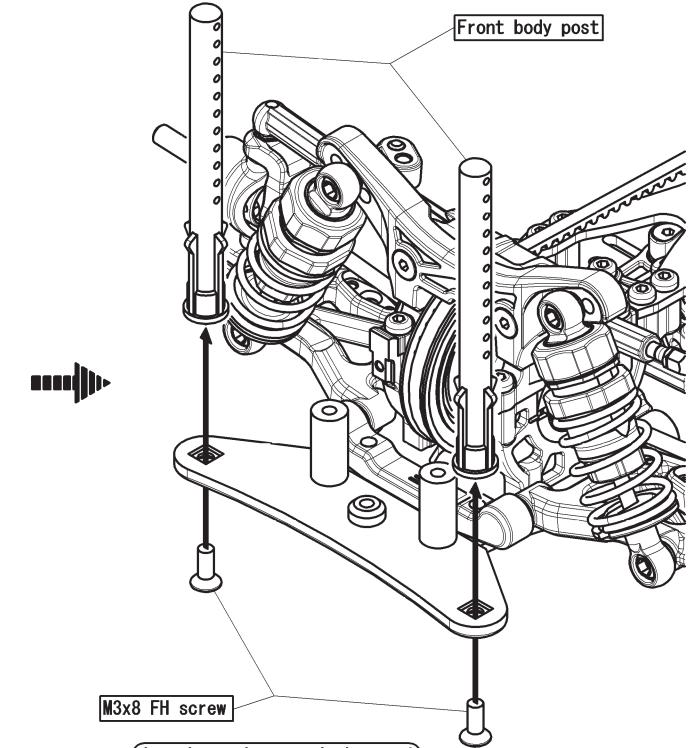
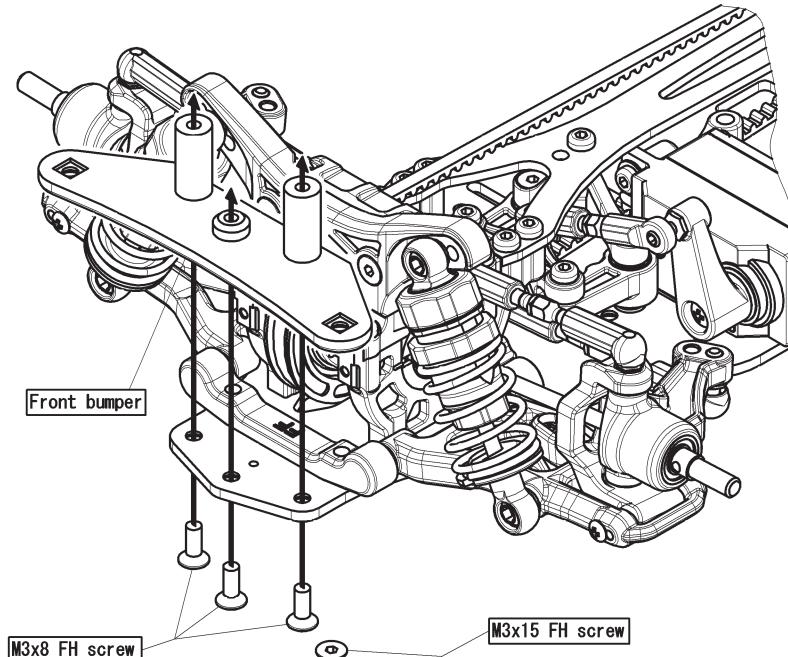
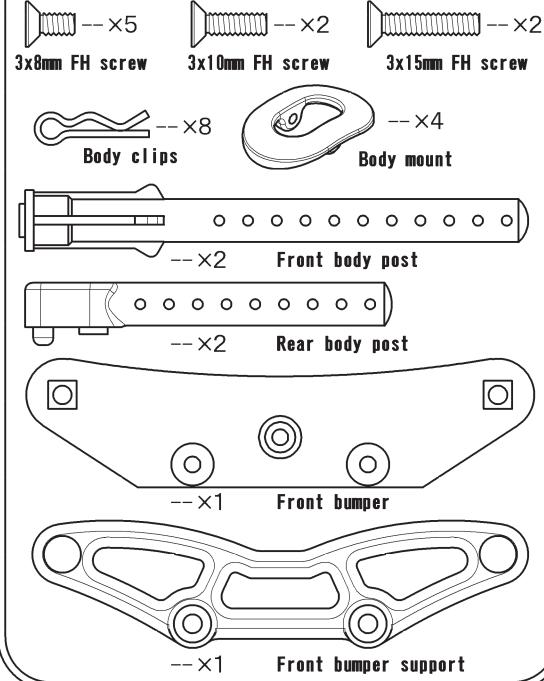
Assemble 4 shocks

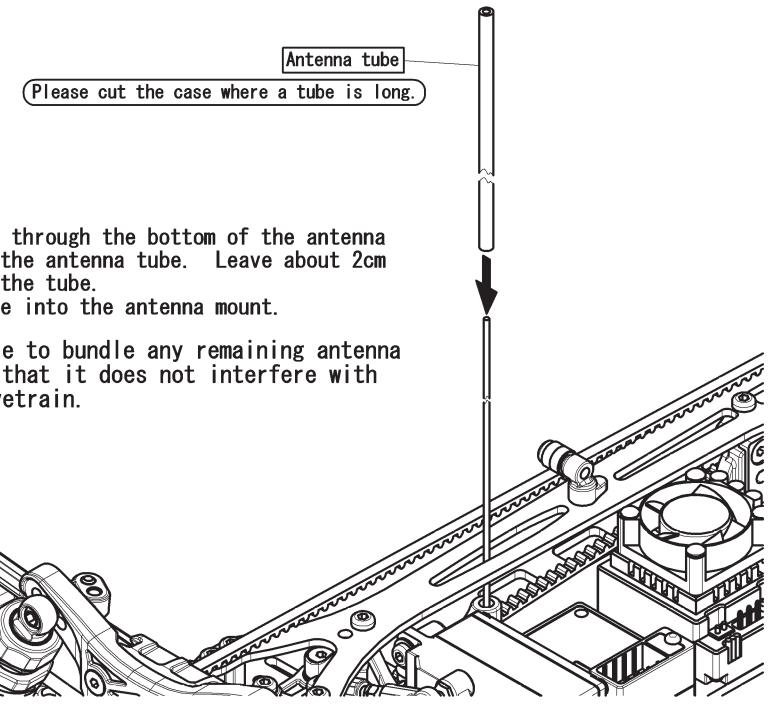
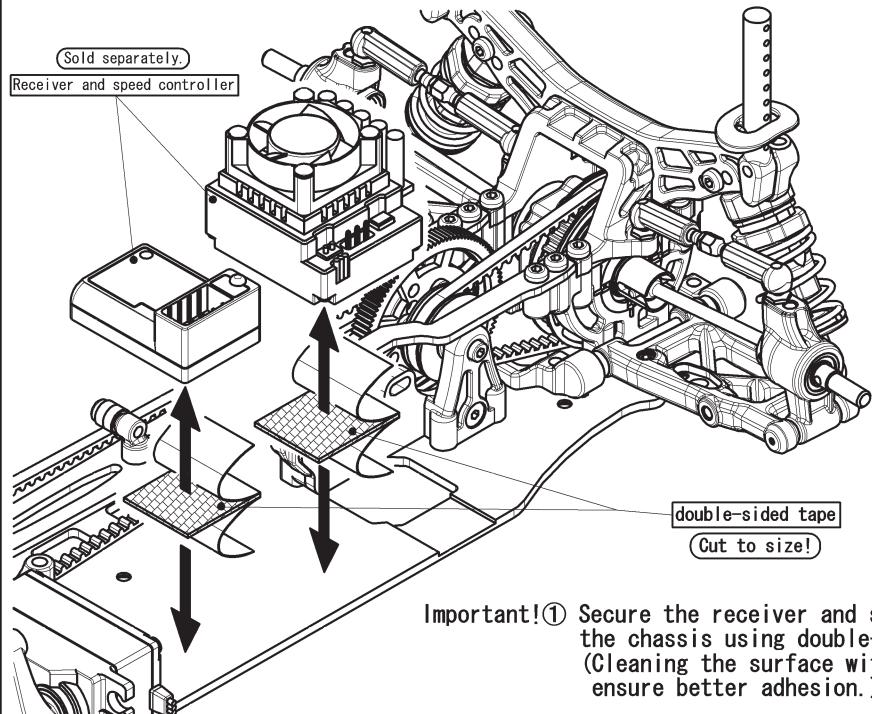


Front Assembly



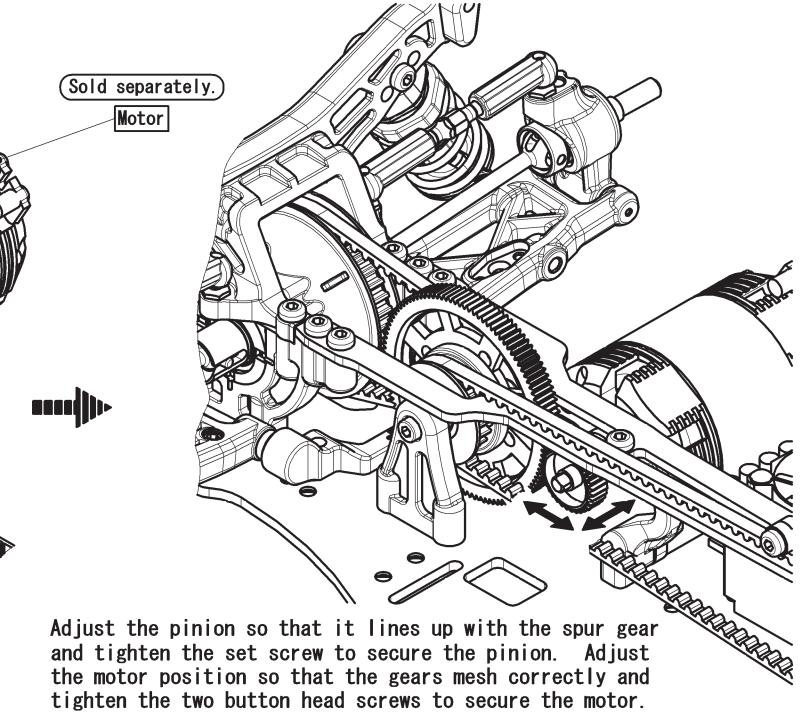
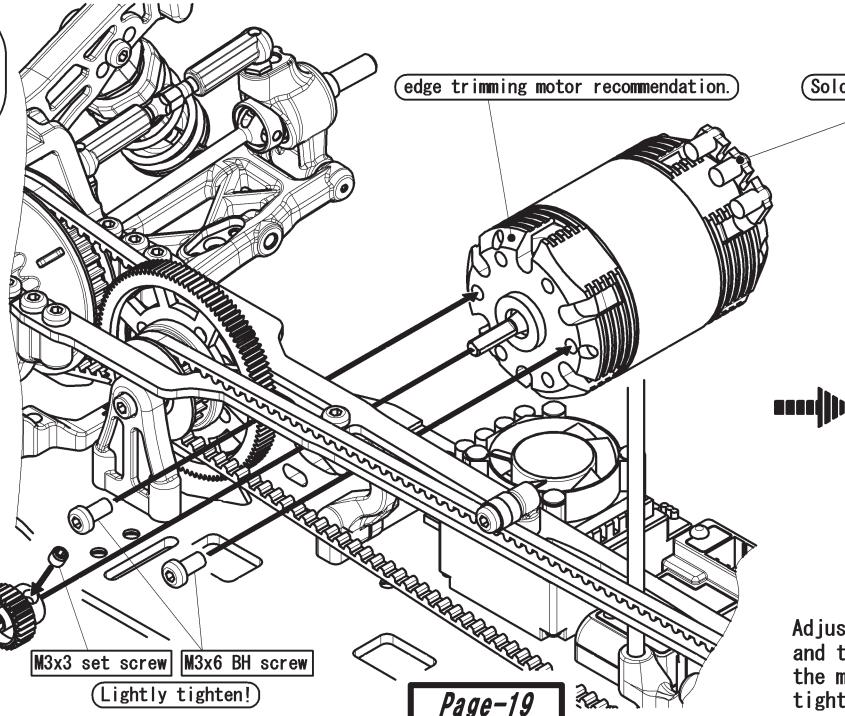
[Bag-13 Contents]





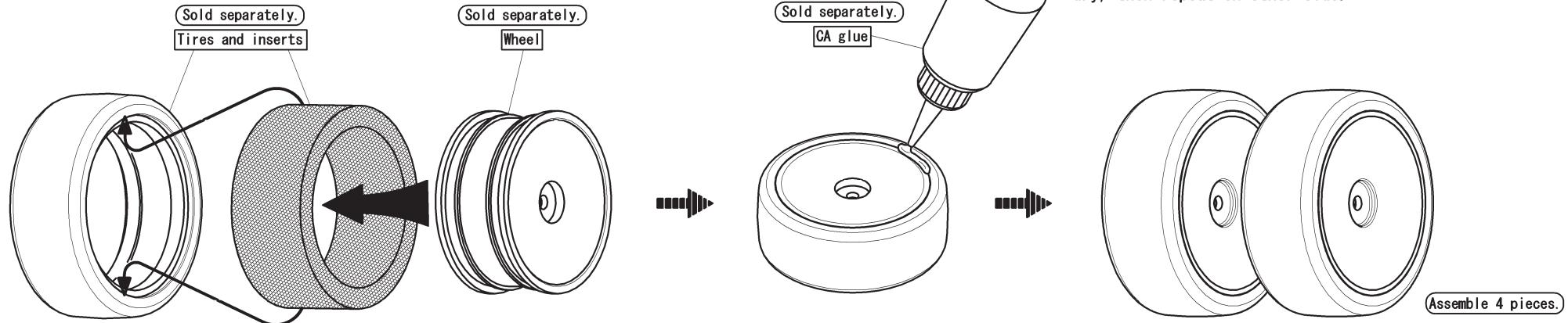
Important!

- ③ Motor and pinion gear not included in kit.
Please purchase separately.
- ④ Install the pinion so that the set screw is tightened onto the flat portion of the motor shaft.
- ⑤ Adjust the gear mesh to allow a very small gap between the teeth of the pinion and spur gear.
(improper adjustment of the pinion and spur may result in damage to the gears.)
- ⑥ Continuous running of the motor will result in shorter motor life. Allow the motor to cool between runs.



Tire Assembly

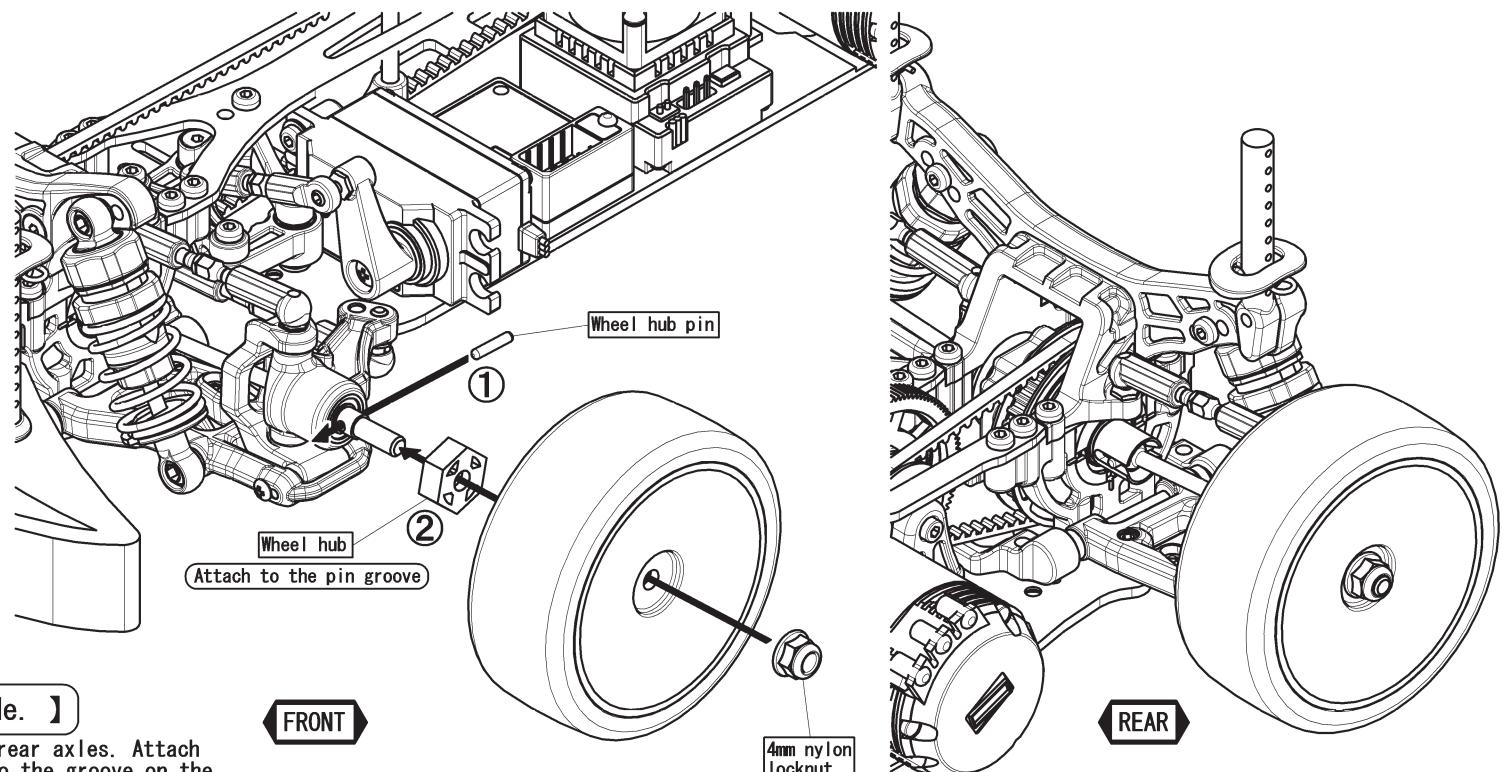
Place the insert into the tire, and mount the tire onto the wheel.
(Wheels and tires and inserts sold separately.)



Pull the sidewall of the tire slightly away from the rim and apply CA(Cyanoacrylate) glue in between the tire bead and rim. Make sure that the bead settles onto the rim properly after each application. Slowly work your way around the tire. Allow glue to dry, then repeat on other side.

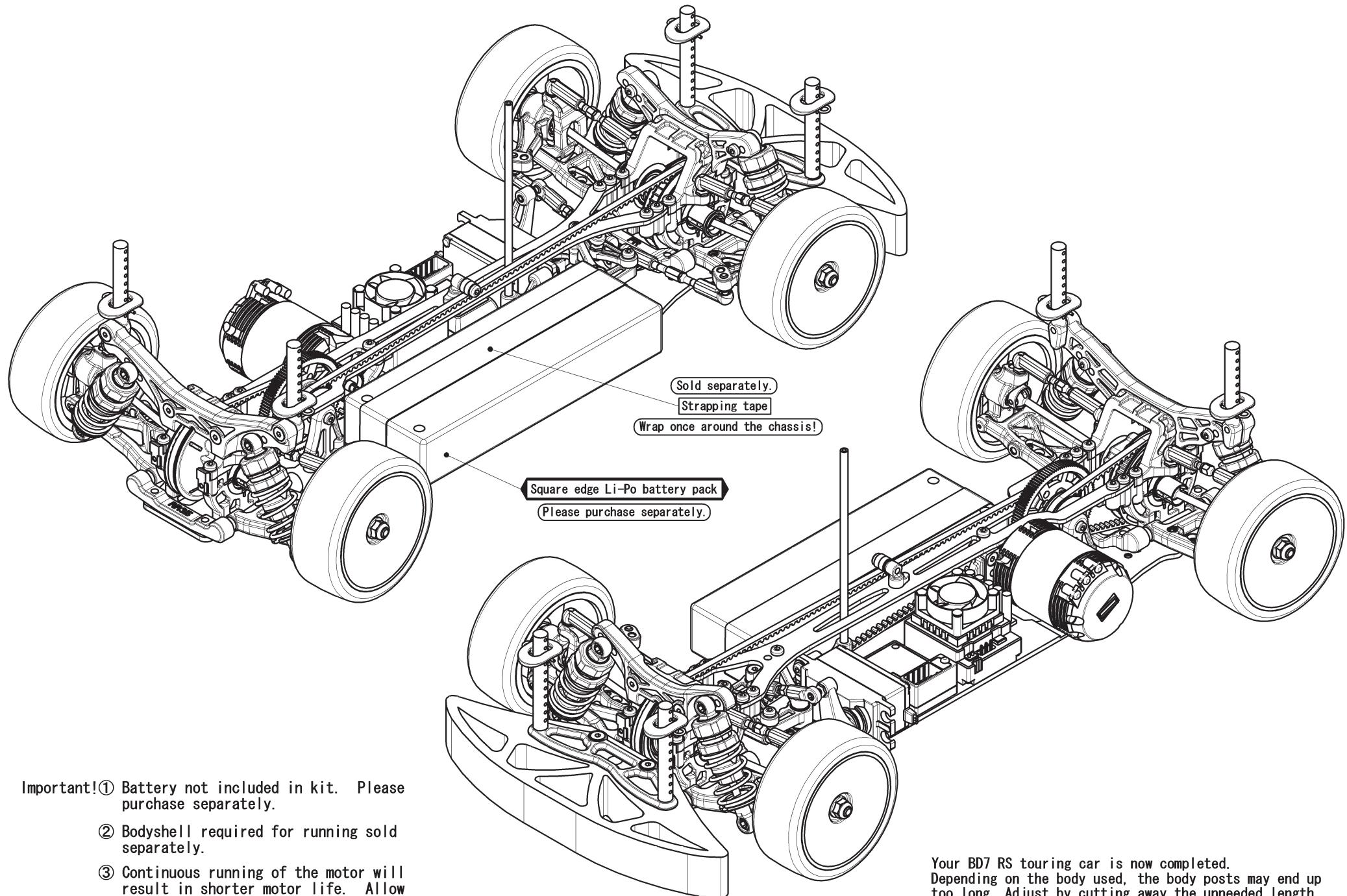
Remaining parts from [Bag-13 Contents]

	-- x4	4mm nylon locknut
	-- x4	Wheel hub pin
	-- x4	Wheel hub

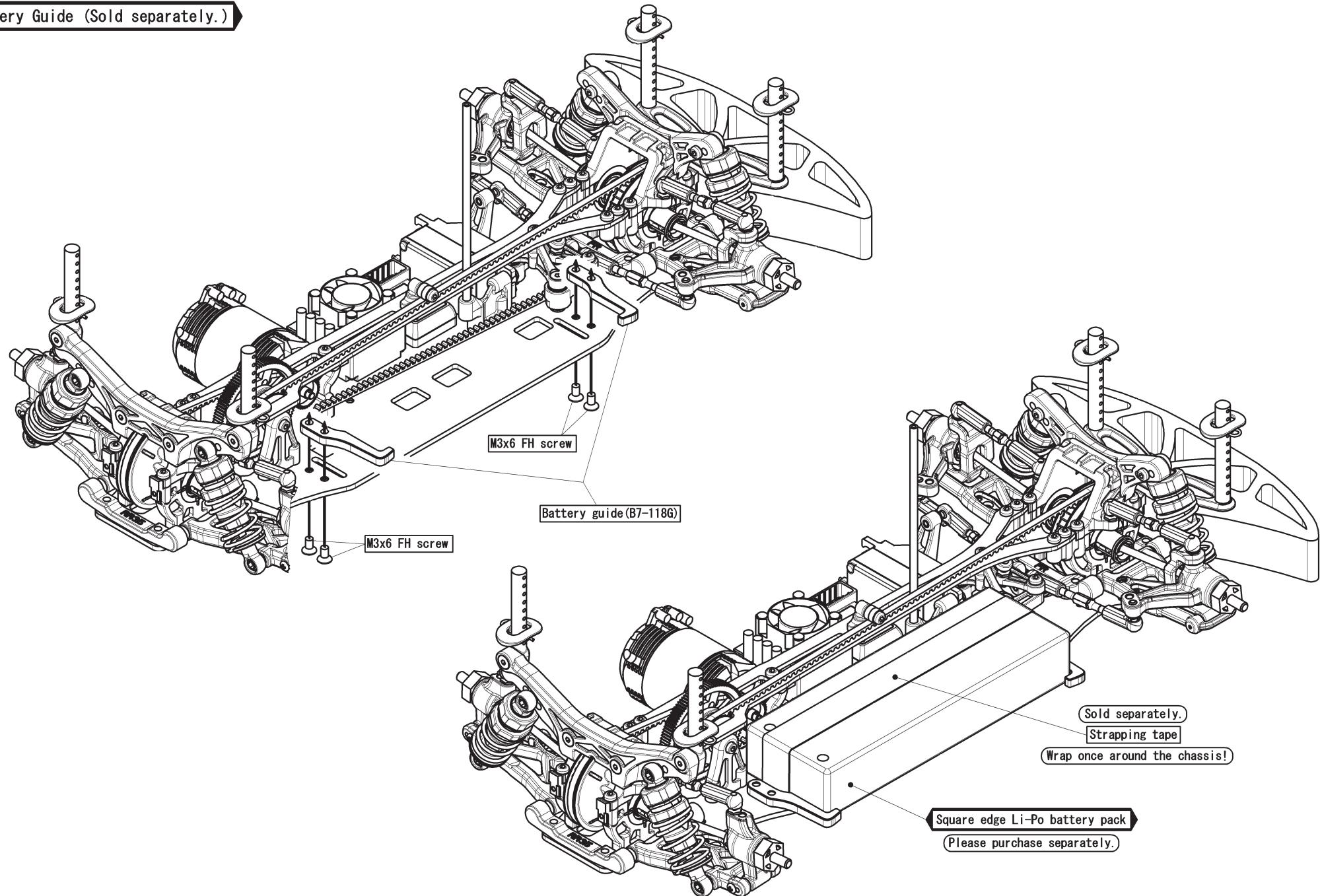


【 Repeat for the opposite side. 】

Insert the wheel hub pin into both the front and rear axles. Attach the wheel hub onto the axles so that pin fits into the groove on the hub. Use the M4 nylon locknuts to secure the wheels.



Battery Guide (Sold separately.)



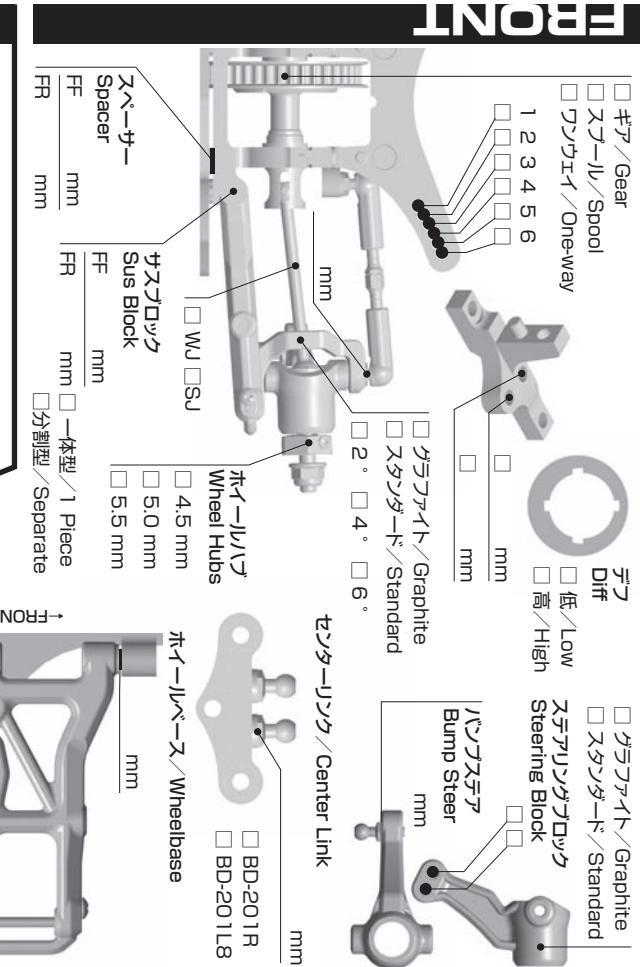
DRIVER

DATE . . .

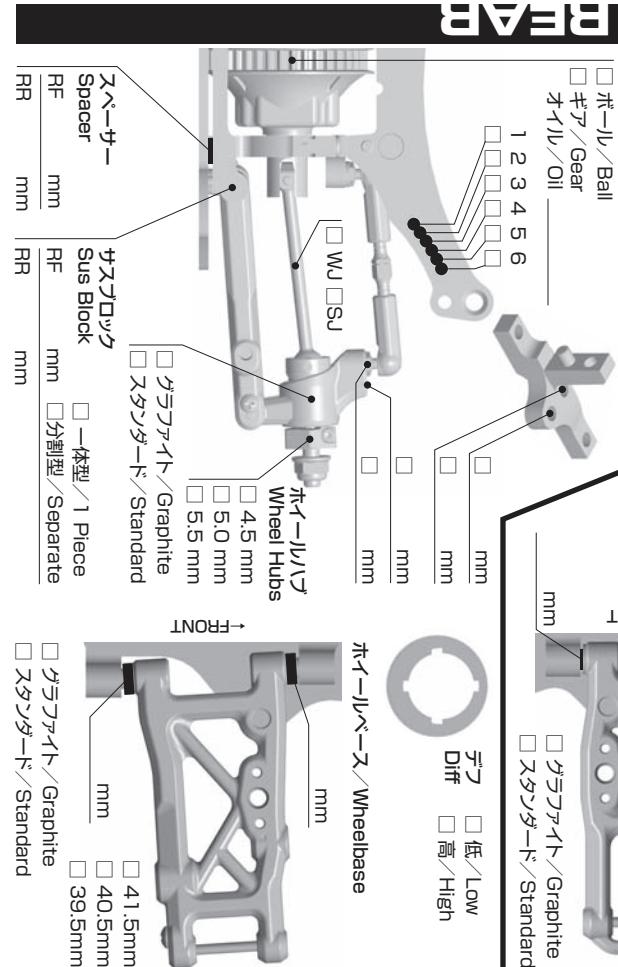
SETTING SHEET

- 環境/Place インドア/Indoor アウトドア/Outdoor
 路面/Track アスファルト/Asphalt カーペット/Carpet
 クリップ/Traction 高い/High 普通/Medium 低い/Low
 路面状況/Track situation フラット/Flat バンパー/Bumper

FRONT

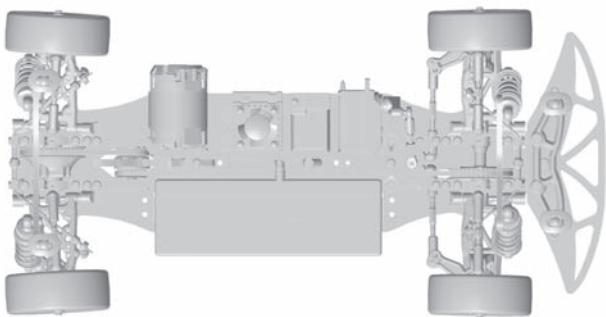


REAR



OTHER

モーター/Motor	
スピーゲア/Spur Gear	枚 (Pitch/pitch)
ピニオングear/Pinion Gear	枚 (Pitch/pitch)
ギア比/Gear Ratio	:
ボディ/Body	
ウイング/Wing	
アップ-デッキ/Upper Deck	<input type="checkbox"/> スタンダード/Standard <input type="checkbox"/> ハイトラクション/High Traction
バッテリー/Battery	
ESC	

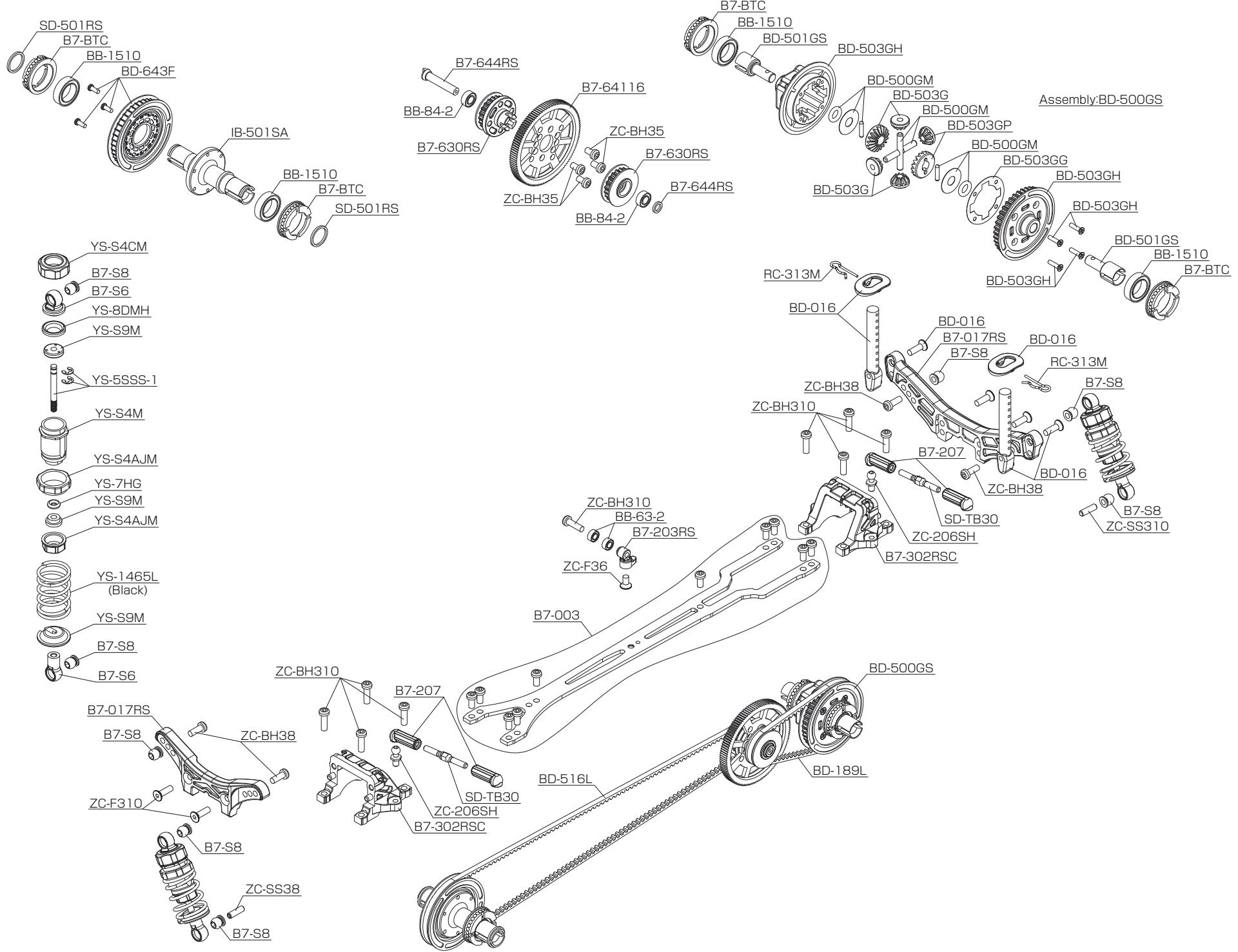


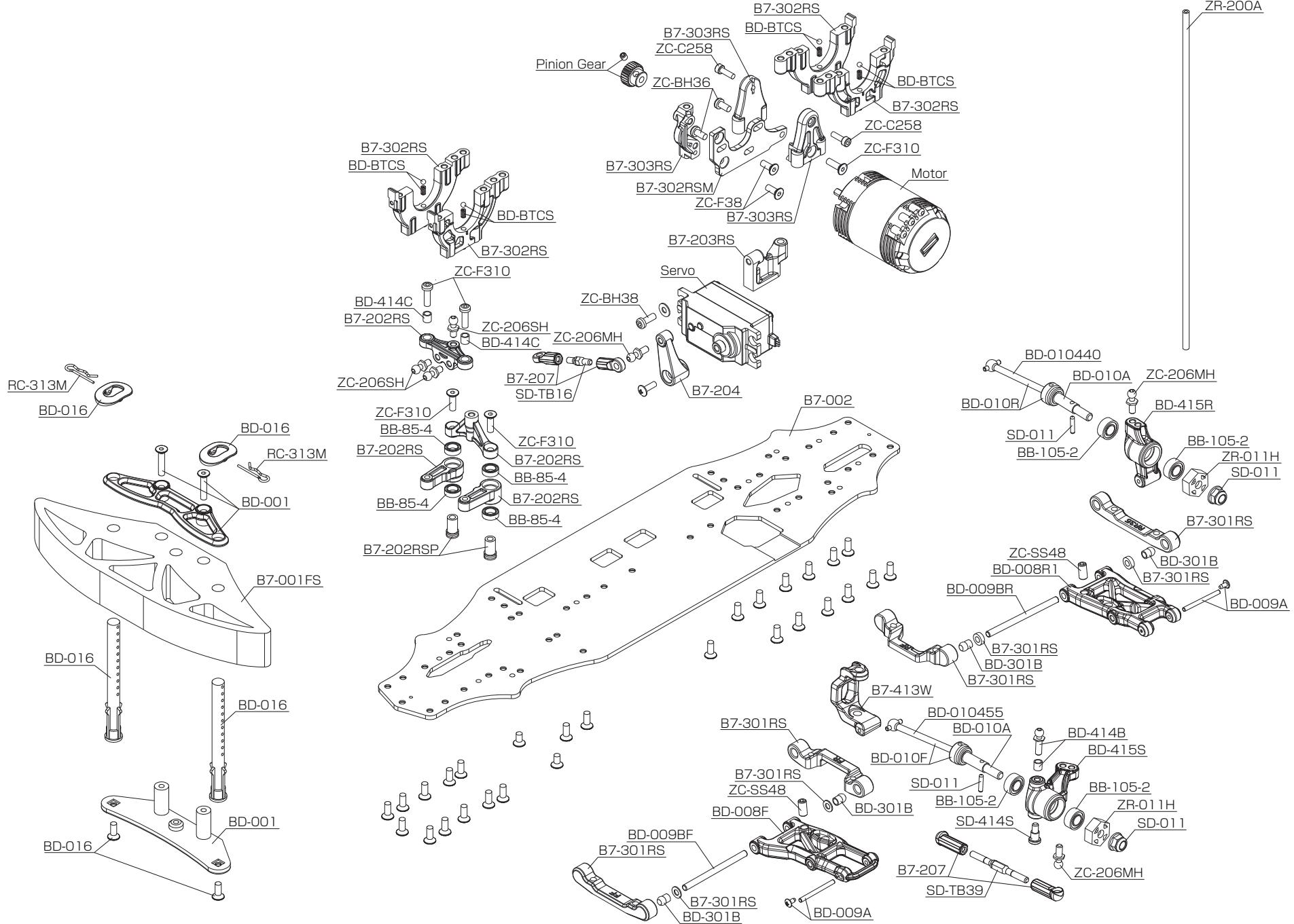
BD-2



SETTING SHEET

- キャンバー/Camber Angle 低/Low 高/High
 ステアリングブロック/Steering Block デフ/Diff
 バンブステア/Bump Steer ホイールハブ/Wheel Hubs
 サスブロック/Sus Block ホイールベース/Wheelbase
 1.0 1.1 1.2 1.3 1.4 1.5 1.6 4.5mm 5.0mm 5.5mm 41.5mm 40.5mm 39.5mm
 1.0 1.1 1.2 1.3 1.4 1.5 1.6 4.5mm 5.0mm 5.5mm 41.5mm 40.5mm 39.5mm
 ブラッダー/Bladder オイル/Oil
 ピストン/Piston オーリング/O-ring
 1 2 3 穴/Holes 1 2 個
 ドロープ/Droop エアレーション/Aeration
 キャスター/Caster Angle オーリング/Aeration
 1.0 1.1 1.2 1.3 1.4 1.5 1.6 4.5mm 5.0mm 5.5mm 41.5mm 40.5mm 39.5mm
 トーアngle/Toe Angle リバウンド/Rebound
 % ピン/Pin ブラッダー/Bladder
 1 2 3 穴/Holes 1 2 個
 キャンバー/Camber Angle ドロープ/Droop
 1.0 1.1 1.2 1.3 1.4 1.5 1.6 4.5mm 5.0mm 5.5mm 41.5mm 40.5mm 39.5mm
 タイヤ/Tire タイヤ/Tire
 フロント/Front リア/Rear
 ハード/Hard ソフト/Soft
 1 2 3 穴/Holes 1 2 個
 インナー/Insert インナー/Insert
 ホイール/Wheel ホイール/Wheel
 トランクション/Tire Treatment トランクション/Tire Treatment
 メモ/Notes メモ/Notes





<BD7 GEAR RATIO (48pitch)> *New Motor Mount Support

2nd RATIO	SPUR GEAR																				
	2.000	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
PINION GEAR	17	8.000	8.118	8.235	8.353	8.471	8.588	8.706	8.824	8.941	9.059	9.176	9.294	9.412	9.529	9.647	9.765	9.882	10.000	10.118	10.235
	18	7.556	7.667	7.778	7.889	8.000	8.111	8.222	8.333	8.444	8.556	8.667	8.778	8.889	9.000	9.111	9.222	9.333	9.444	9.556	9.667
	19	7.158	7.263	7.368	7.474	7.579	7.684	7.789	7.895	8.000	8.105	8.211	8.316	8.421	8.526	8.632	8.737	8.842	8.947	9.053	9.158
	20	6.800	6.900	7.000	7.100	7.200	7.300	7.400	7.500	7.600	7.700	7.800	7.900	8.000	8.100	8.200	8.300	8.400	8.500	8.600	8.700
	21	6.476	6.571	6.667	6.762	6.857	6.952	7.048	7.143	7.238	7.333	7.429	7.524	7.619	7.714	7.810	7.905	8.000	8.095	8.190	8.286
	22	6.182	6.273	6.364	6.455	6.545	6.636	6.727	6.818	6.909	7.000	7.091	7.182	7.273	7.364	7.455	7.545	7.636	7.727	7.818	7.909
	23	5.913	6.000	6.087	6.174	6.261	6.348	6.435	6.522	6.609	6.696	6.783	6.870	6.957	7.043	7.130	7.217	7.304	7.391	7.478	7.565
	24	5.667	5.750	5.833	5.917	6.000	6.083	6.167	6.250	6.333	6.417	6.500	6.583	6.667	6.750	6.833	6.917	7.000	7.083	7.167	7.250
	25	5.440	5.520	5.600	5.680	5.760	5.840	5.920	6.000	6.080	6.160	6.240	6.320	6.400	6.480	6.560	6.640	6.720	6.800	6.880	6.960
	26	5.231	5.308	5.385	5.462	5.538	5.615	5.692	5.769	5.846	5.923	6.000	6.077	6.154	6.231	6.308	6.385	6.462	6.538	6.615	6.692
	27	5.037	5.111	5.185	5.259	5.333	5.407	5.481	5.556	5.630	5.704	5.778	5.852	5.926	6.000	6.074	6.148	6.222	6.296	6.370	6.444
	28	4.857	4.929	5.000	5.071	5.143	5.214	5.286	5.357	5.429	5.500	5.571	5.643	5.714	5.786	5.857	5.929	6.000	6.071	6.143	6.214
	29	4.690	4.759	4.828	4.897	4.966	5.034	5.103	5.172	5.241	5.310	5.379	5.448	5.517	5.586	5.655	5.724	5.793	5.862	5.931	6.000
	30	4.533	4.600	4.667	4.733	4.800	4.867	4.933	5.000	5.067	5.133	5.200	5.267	5.333	5.400	5.467	5.533	5.600	5.667	5.733	5.800
	31	4.387	4.452	4.516	4.581	4.645	4.710	4.774	4.839	4.903	4.968	5.032	5.097	5.161	5.226	5.290	5.355	5.419	5.484	5.548	5.613
	32	4.250	4.313	4.375	4.438	4.500	4.563	4.625	4.688	4.750	4.813	4.875	4.938	5.000	5.063	5.125	5.188	5.250	5.313	5.375	5.438
	33	4.121	4.182	4.242	4.303	4.364	4.424	4.485	4.545	4.606	4.667	4.727	4.788	4.848	4.909	4.970	5.030	5.091	5.152	5.212	5.273
	34	4.000	4.059	4.118	4.176	4.235	4.294	4.353	4.412	4.471	4.529	4.588	4.647	4.706	4.765	4.824	4.882	4.941	5.000	5.059	5.118
	35	3.886	3.943	4.000	4.057	4.114	4.171	4.229	4.286	4.343	4.400	4.457	4.514	4.571	4.629	4.686	4.743	4.800	4.857	4.914	4.971
	36	3.778	3.833	3.889	3.944	4.000	4.056	4.111	4.167	4.222	4.278	4.333	4.389	4.444	4.500	4.556	4.611	4.667	4.722	4.778	4.833
	37	3.676	3.730	3.784	3.838	3.892	3.946	4.000	4.054	4.108	4.162	4.216	4.270	4.324	4.378	4.432	4.486	4.541	4.595	4.649	4.703
	38	3.579	3.632	3.684	3.737	3.789	3.842	3.895	3.947	4.000	4.053	4.105	4.158	4.211	4.263	4.316	4.368	4.421	4.474	4.526	4.579
	39	3.487	3.538	3.590	3.641	3.692	3.744	3.795	3.846	3.897	3.949	4.000	4.051	4.103	4.154	4.205	4.256	4.308	4.359	4.410	4.462

※使用するモーターの形状によっては、アッパー・デッキと干渉して上記ギヤ比が使えない場合がありますのでご注意下さい。

<BD7 GEAR RATIO (64pitch)> *New Motor Mount Support

2nd RATIO		SPUR GEAR																						
2.000		94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116
PINION GEAR	23	8.174	8.261	8.348	8.435	8.522	8.609	8.696	8.783	8.870	8.957	9.043	9.130	9.217	9.304	9.391	9.478	9.565	9.652	9.739	9.826	9.913	10.000	10.087
	24	7.833	7.917	8.000	8.083	8.167	8.250	8.333	8.417	8.500	8.583	8.667	8.750	8.833	8.917	9.000	9.083	9.167	9.250	9.333	9.417	9.500	9.583	9.667
	25	7.520	7.600	7.680	7.760	7.840	7.920	8.000	8.080	8.160	8.240	8.320	8.400	8.480	8.560	8.640	8.720	8.800	8.880	8.960	9.040	9.120	9.200	9.280
	26	7.231	7.308	7.385	7.462	7.538	7.615	7.692	7.769	7.846	7.923	8.000	8.077	8.154	8.231	8.308	8.385	8.462	8.538	8.615	8.692	8.769	8.846	8.923
	27	6.963	7.037	7.111	7.185	7.259	7.333	7.407	7.481	7.556	7.630	7.704	7.778	7.852	7.926	8.000	8.074	8.148	8.222	8.296	8.370	8.444	8.519	8.593
	28	6.714	6.786	6.857	6.929	7.000	7.071	7.143	7.214	7.286	7.357	7.429	7.500	7.571	7.643	7.714	7.786	7.857	7.929	8.000	8.071	8.143	8.214	8.286
	29	6.483	6.552	6.621	6.690	6.759	6.828	6.897	6.966	7.034	7.103	7.172	7.241	7.310	7.379	7.448	7.517	7.586	7.655	7.724	7.793	7.862	7.931	8.000
	30	6.267	6.333	6.400	6.467	6.533	6.600	6.667	6.733	6.800	6.867	6.933	7.000	7.067	7.133	7.200	7.267	7.333	7.400	7.467	7.533	7.600	7.667	7.733
	31	6.065	6.129	6.194	6.258	6.323	6.387	6.452	6.516	6.581	6.645	6.710	6.774	6.839	6.903	6.968	7.032	7.097	7.161	7.226	7.290	7.355	7.419	7.484
	32	5.875	5.938	6.000	6.063	6.125	6.188	6.250	6.313	6.375	6.438	6.500	6.563	6.625	6.688	6.750	6.813	6.875	6.938	7.000	7.063	7.125	7.188	7.250
	33	5.697	5.758	5.818	5.879	5.939	6.000	6.061	6.121	6.182	6.242	6.303	6.364	6.424	6.485	6.545	6.606	6.667	6.727	6.788	6.848	6.909	6.970	7.030
	34	5.529	5.588	5.647	5.706	5.765	5.824	5.882	5.941	6.000	6.059	6.118	6.176	6.235	6.294	6.353	6.412	6.471	6.529	6.588	6.647	6.706	6.765	6.824
	35	5.371	5.429	5.486	5.543	5.600	5.657	5.714	5.771	5.829	5.886	5.943	6.000	6.057	6.114	6.171	6.229	6.286	6.343	6.400	6.457	6.514	6.571	6.629
	36	5.222	5.278	5.333	5.389	5.444	5.500	5.556	5.611	5.667	5.722	5.778	5.833	5.889	5.944	6.000	6.056	6.111	6.167	6.222	6.278	6.333	6.389	6.444
	37	5.081	5.135	5.189	5.243	5.297	5.351	5.405	5.459	5.514	5.568	5.622	5.676	5.730	5.784	5.838	5.892	5.946	6.000	6.054	6.108	6.162	6.216	6.270
	38	4.947	5.000	5.053	5.105	5.158	5.211	5.263	5.316	5.368	5.421	5.474	5.526	5.579	5.632	5.684	5.737	5.789	5.842	5.895	5.947	6.000	6.053	6.105
	39	4.821	4.872	4.923	4.974	5.026	5.077	5.128	5.179	5.231	5.282	5.333	5.385	5.436	5.487	5.538	5.590	5.641	5.692	5.744	5.795	5.846	5.897	5.949
	40	4.700	4.750	4.800	4.850	4.900	4.950	5.000	5.050	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500	5.550	5.600	5.650	5.700	5.750	5.800
	41	4.585	4.634	4.683	4.732	4.780	4.829	4.878	4.927	4.976	5.024	5.073	5.122	5.171	5.220	5.268	5.317	5.366	5.415	5.463	5.512	5.561	5.610	5.659
	42	4.476	4.524	4.571	4.619	4.667	4.714	4.762	4.810	4.857	4.905	4.952	5.000	5.048	5.095	5.143	5.190	5.238	5.286	5.333	5.381	5.429	5.476	5.524
	43	4.372	4.419	4.465	4.512	4.558	4.605	4.651	4.698	4.744	4.791	4.837	4.884	4.930	4.977	5.023	5.070	5.116	5.163	5.209	5.256	5.302	5.349	5.395
	44	4.273	4.318	4.364	4.409	4.455	4.500	4.545	4.591	4.636	4.682	4.727	4.773	4.818	4.864	4.909	4.955	5.000	5.045	5.091	5.136	5.182	5.227	5.273
	45	4.178	4.222	4.267	4.311	4.356	4.400	4.444	4.489	4.533	4.578	4.622	4.667	4.711	4.756	4.800	4.844	4.889	4.933	4.978	5.022	5.067	5.111	5.156
	46	4.087	4.130	4.174	4.217	4.261	4.304	4.348	4.391	4.435	4.478	4.522	4.565	4.609	4.652	4.696	4.739	4.783	4.826	4.870	4.913	4.957	5.000	5.043
	47	4.000	4.043	4.085	4.128	4.170	4.213	4.255	4.298	4.340	4.383	4.426	4.468	4.511	4.553	4.596	4.638	4.681	4.723	4.766	4.809	4.851	4.894	4.936
	48	3.917	3.958	4.000	4.042	4.083	4.125	4.167	4.208	4.250	4.292	4.333	4.375	4.417	4.458	4.500	4.542	4.583	4.625	4.667	4.708	4.750	4.792	4.833
	49	3.837	3.878	3.918	3.959	4.000	4.041	4.082	4.122	4.163	4.204	4.245	4.286	4.327	4.367	4.408	4.449	4.490	4.531	4.571	4.612	4.653	4.694	4.735
	50	3.760	3.800	3.840	3.880	3.920	3.960	4.000	4.040	4.080	4.120	4.160	4.200	4.240	4.280	4.320	4.360	4.400	4.440	4.480	4.520	4.560	4.600	4.640
	51	3.686	3.725	3.765	3.804	3.843	3.882	3.922	3.961	4.000	4.039	4.078	4.118	4.157	4.196	4.235	4.275	4.314	4.353	4.392	4.431	4.471	4.510	4.549

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