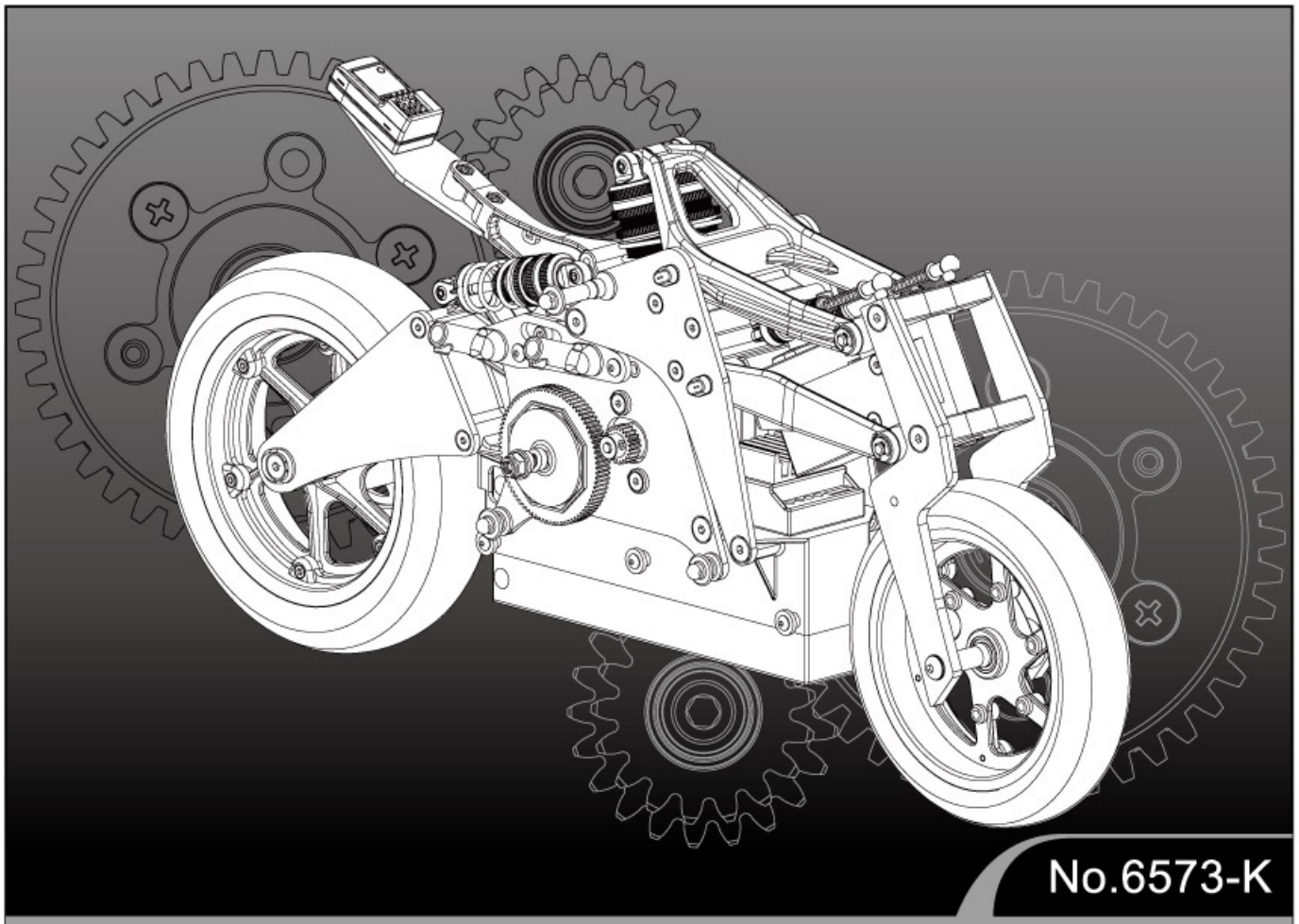
Thunder Tiger

SB 5

# 1 / 5 SCALE ELECTRIC SUPERBIKE



No.6573-K

This radio control model vehicle is not a toy! Before beginning assembly, please read this manual thoroughly.

The contents are subject to change without prior notice due to product improvements and specificatrion changes.

# Instruction Manual & Parts Catalogue

## Introduction

Thank you for purchasing this Thunder Tiger product. This manual contains the steps and instructions required to assemble your vehicle. Please read this manual completely before attempting to start maintenance. Follow the directions in this manual closely to reduce problems during operation. We offer online help on our www.acehobby.com or www.thundertiger.com and forums and our product specialists are ready to take your call if you have any technical questions. Have fun and enjoy the exciting world of R/C.

# Safety Precautions

**Please read all of the instructions and familiarize yourself with the product and its controls before operation.**

1. This product is not a toy. It is a high performance model therefore it is important to familiarize yourself with the model, its manual, and its construction before assembly or operation. Adult supervision is necessary for children operating this model.
2. Always keep this instruction manual on hand during assembly and for operating reference.
3. Do not use a power screwdriver to install screws into plastic parts. A power screwdriver's high rotation speed can heat up the screw being installed which can result in some melting of the plastic parts or stripped threads.
4. For best performance, it is important to make sure all the moving parts can move freely without binding.
5. This product, its parts, and its assembly tools can be harmful to your health. Always exercise extreme caution when assembling and operating this product. Keep away from any high speed rotating parts during operation.

# items Required For Operation



Transmitter



ESC



540 Size Motor

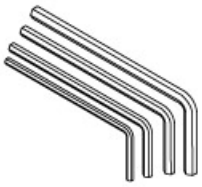

Servo (1 : 10 CAR)


Battery



Charger

# Tools Included


Hex Wrenches
1.5 / 2.0 / 2.5 / 3.0mm

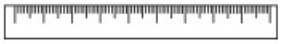

4-Way Cross Wrench

# Tools Required For Assembly


Philips Screwdrivers
(L/M/S)

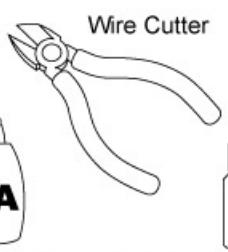

Lexan Body Curved Scissor

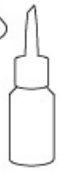

Needle Nose Pliers


Ruler

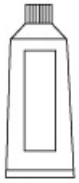


Super Glue
(CA Glue)


Wire Cutter


Thread Locking Adhesive
(Threadlocker)


Hobby Knife


Grease

# Manual Format

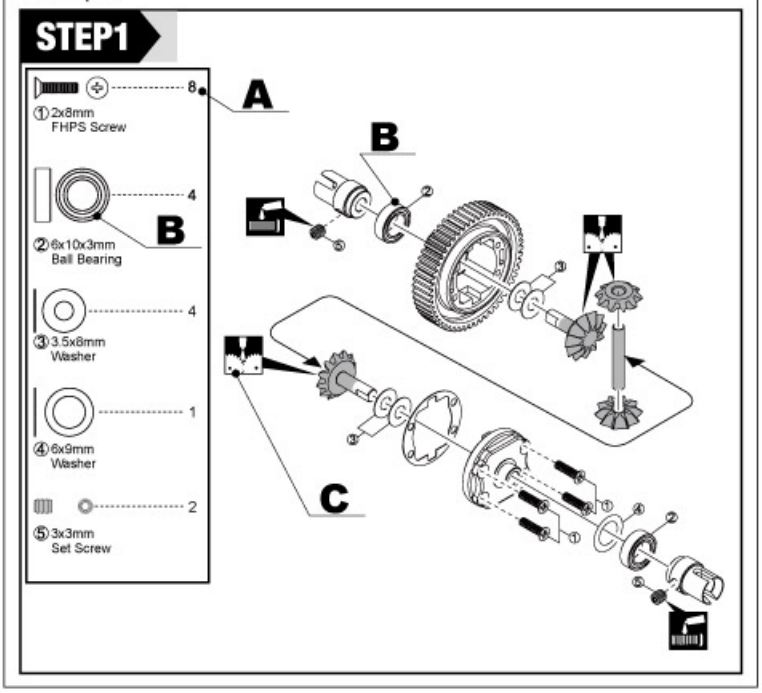
### How to read the instruction manual?

**A:** The manual displays some actual size drawings, and part quantities used.

**B:** All parts, except screws, are identified by their order numbers. When purchasing spare parts, identify the part required and cross reference this to the spare parts list at the end of this maunal, which shows the spare parts and the corresponding order numbers.

**C:** This instruction manual uses several symbols. Pay careful attention to them during construction. Details are given at the bottom of each page.

Example




# Symbols Used Throughout The Manual



Apply C.A Glue



Apply silicone oil



Assemble as many times as specified



Assemble left and right side the same way



Assemble in order


Drill holes with the specified diameter


Hint


Must be purchased separately


Cut off shaded portion


Ensure smooth, non-binding movement when assembling


Attention


Cut off excess

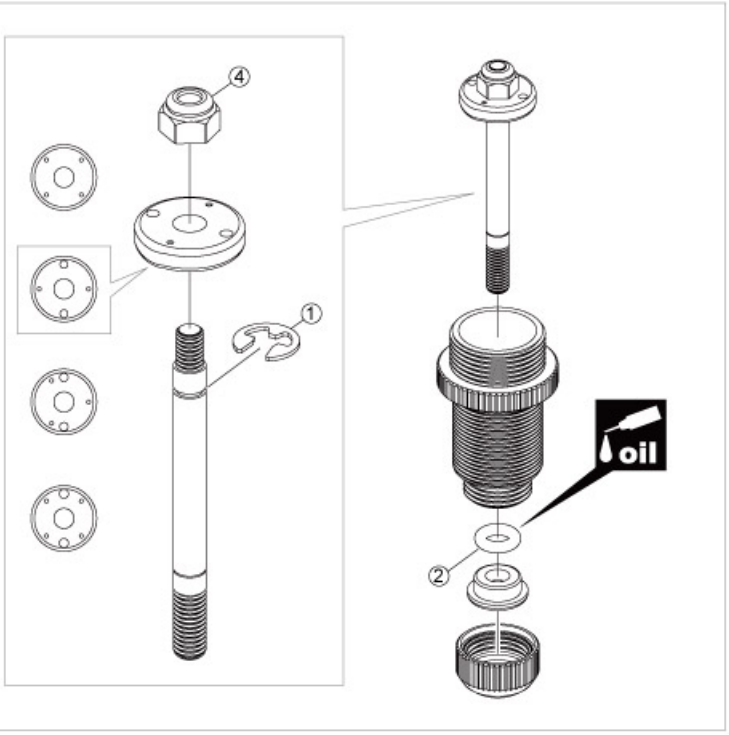

Apply threadlocker


Apply grease

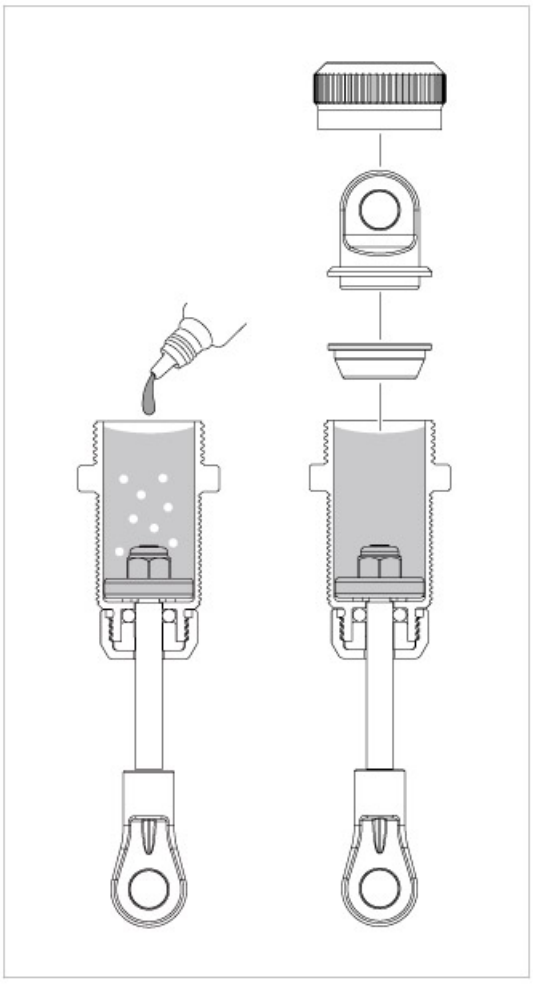
## STEP1

bagA

- ① 2.5 mm E-CLIP ..... 4
- ② O-RING ..... 4
- ③ O-RING ..... 4
- ④ M 2.5 LOCK NUT ..... 4
- ⑤ 6 mm BALL STUD ..... 8





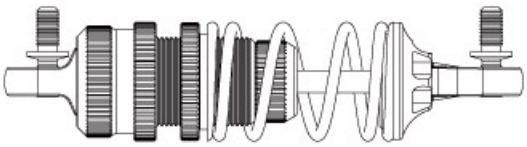





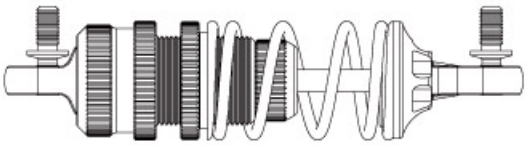


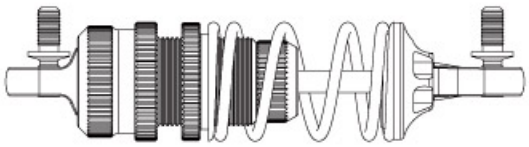


oil Apply silicone oil

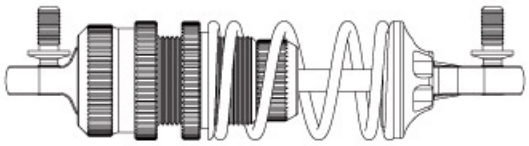


1 FRONT - **WHITE** SPRING x2





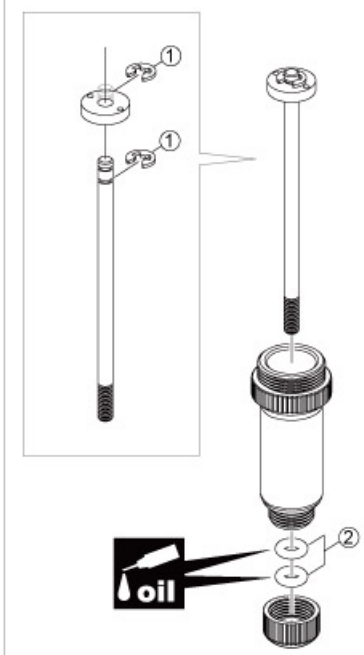
2 REAR - **ORANGE** SPRING x2



## STEP2

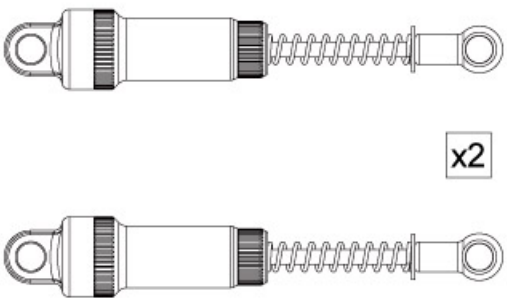
bagB

- ① 1.5 mm E-CLIP ..... 4
- ② O-RING ..... 4
- ③ 2.6 x 6 mm WASHER ..... 2



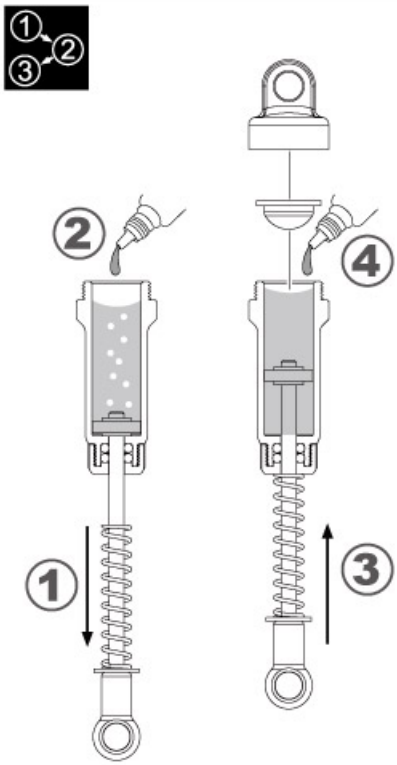






x2






① Fully extend shaft 3

② Partially add oil & Let bubbles clear 4

③ Push shaft in until spring touches shock body 5

④ Fill with oil & Install cap 6

① ② ③ Assemble in order

oil Apply silicone oil

## STEP3

bagC

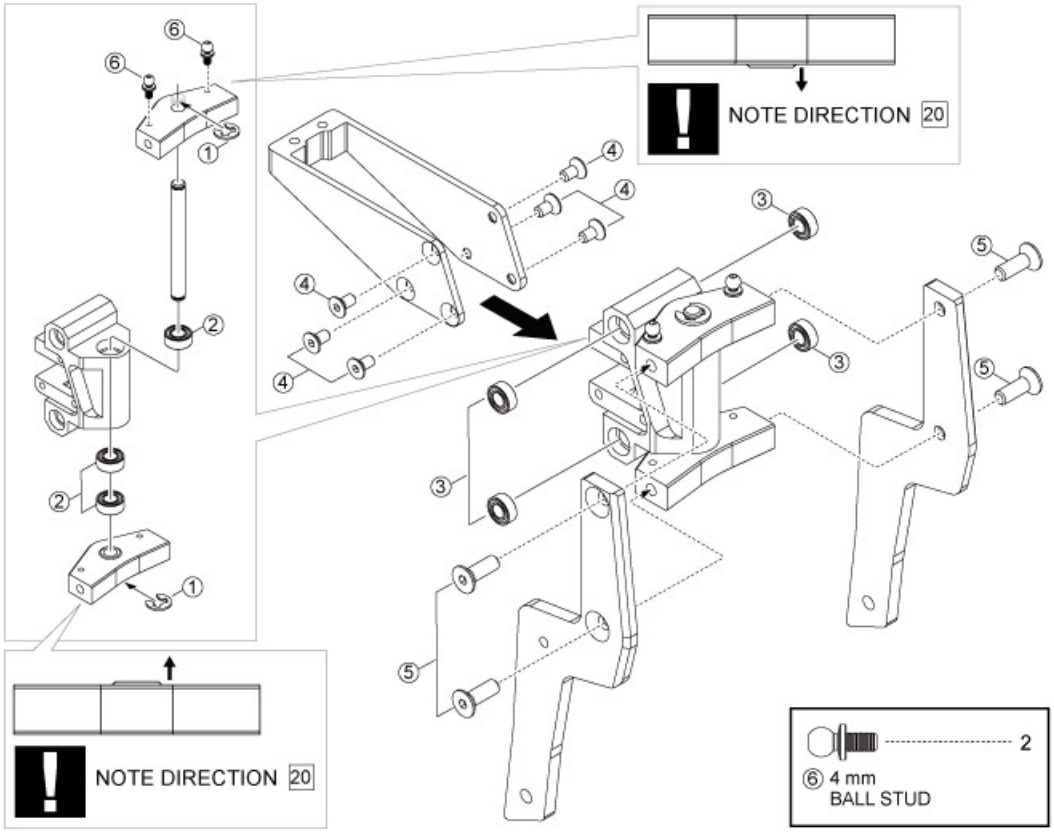
① 4 mm E-CLIP ..... 2

② 5 x 10 x 4 mm BEARING ..... 3

③ 4 x 8 x 3 mm BEARING ..... 4

④ M3 x 6mm FHCS Screw ..... 6

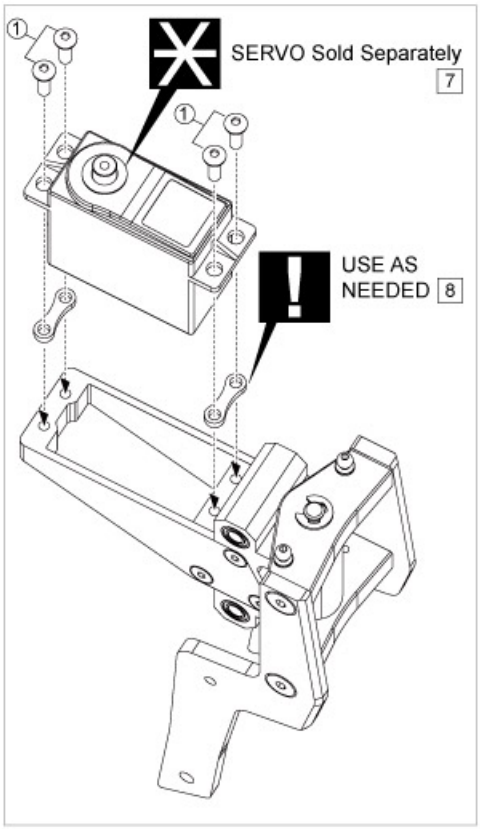
⑤ M4 x 12 mm FHCS Screw ..... 4

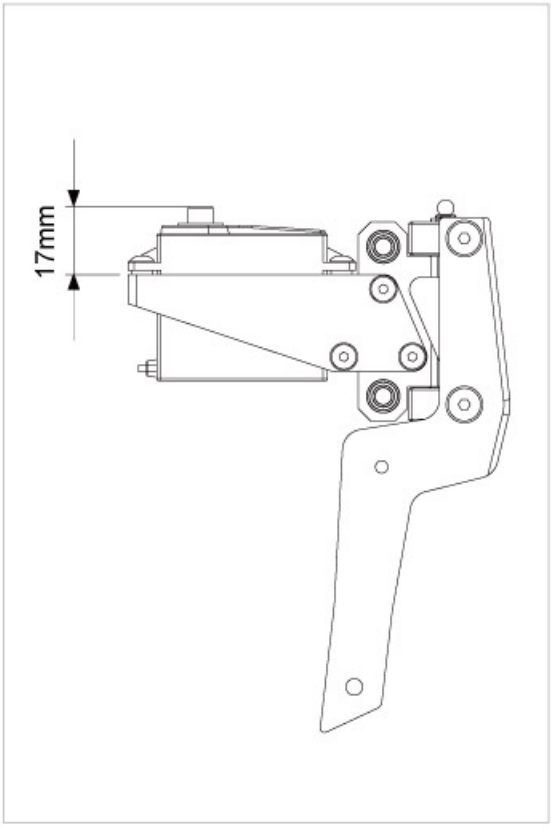



## STEP4

bagC

① M3 x 10 mm BHCS Screw ..... 4




Must be purchased separately  Attention

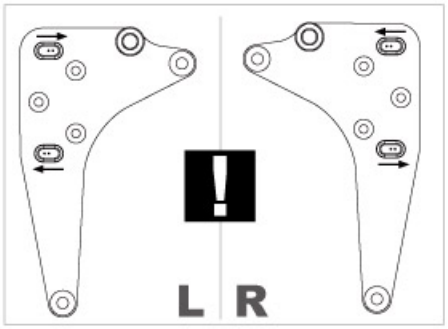
## STEP5

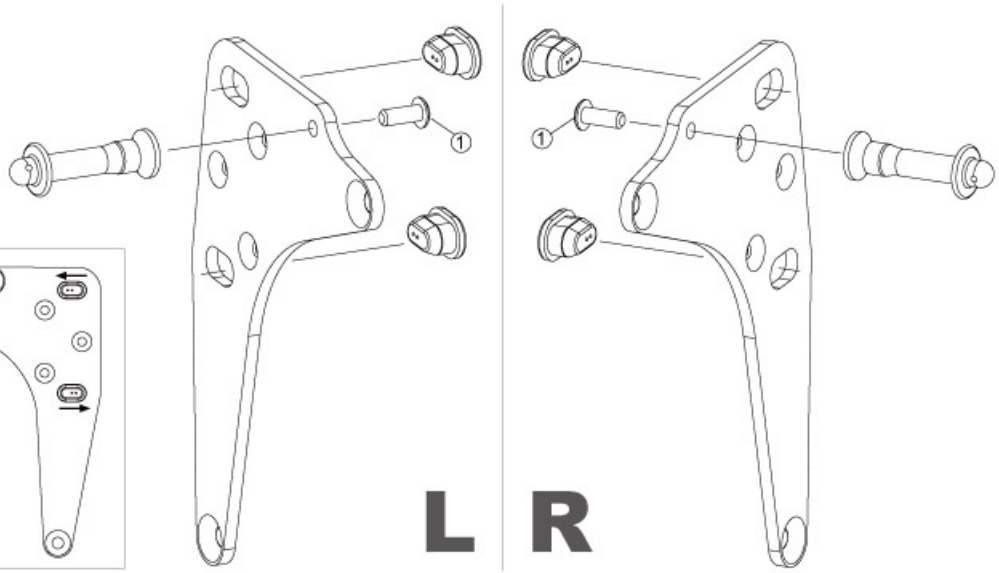
bagD

L/R

2

① M3 x 8 mm
BHCS Screw



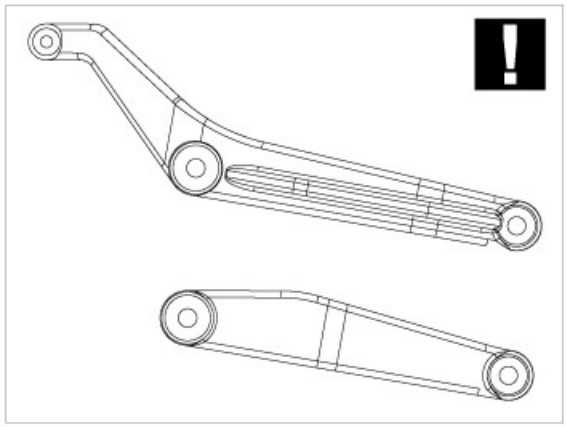

## STEP6

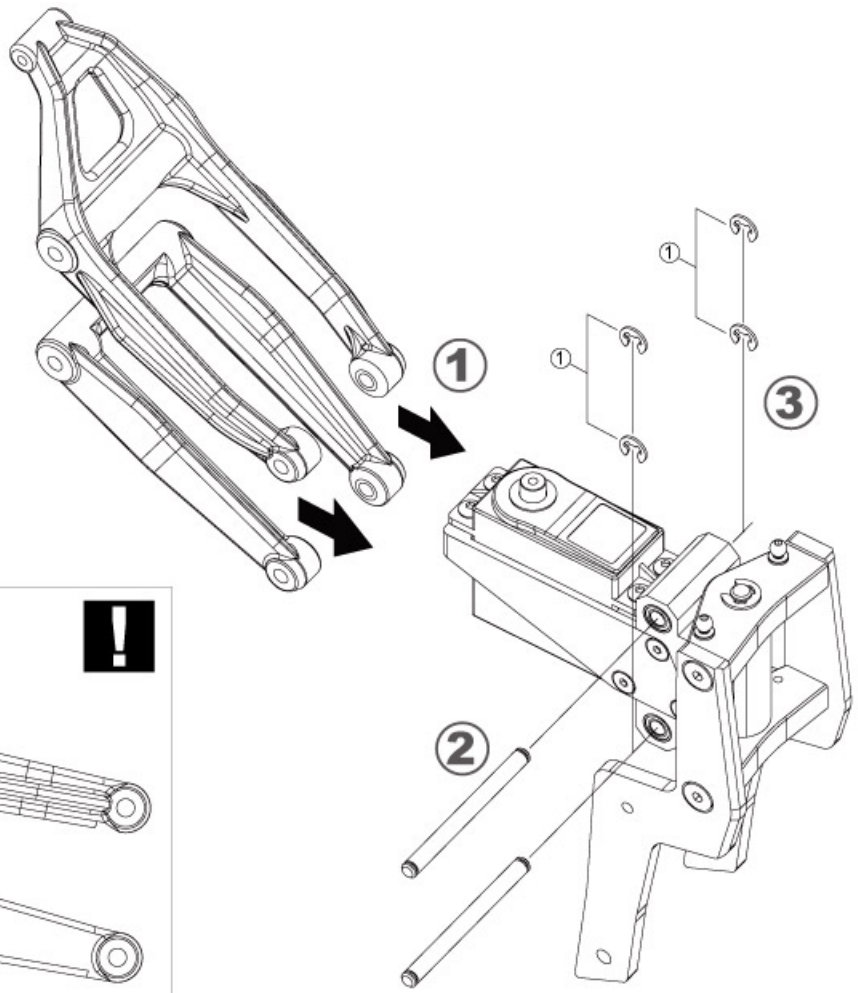
bagE

①②③

4

① 3.2 mm
E-CLIP




! Attention

①②③ Assemble in order

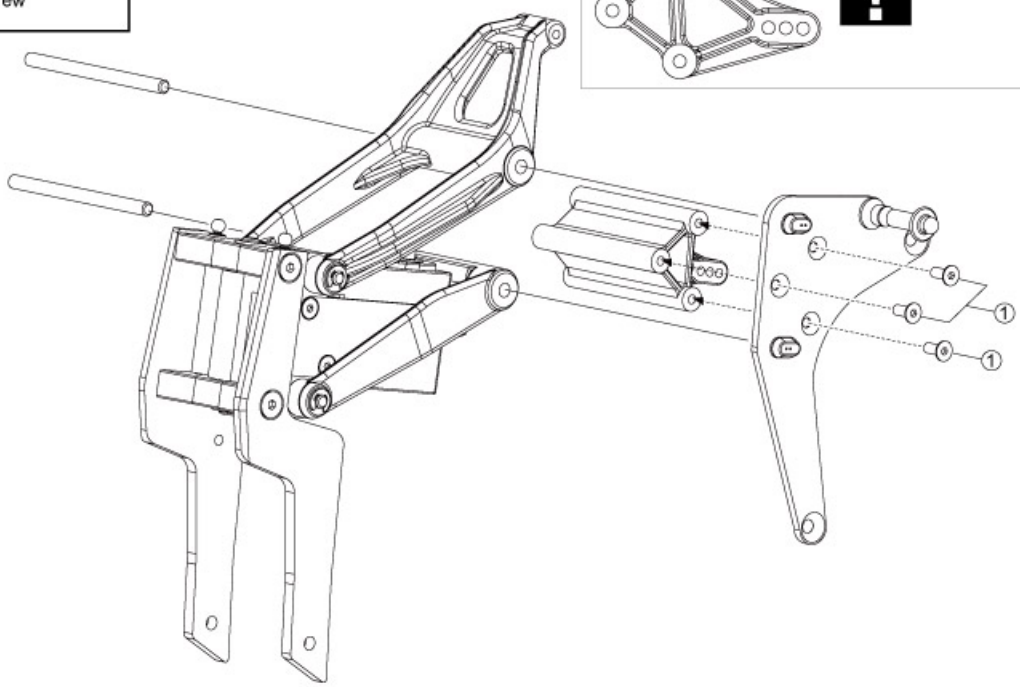
L/R Assemble left and right side the same way

## STEP7

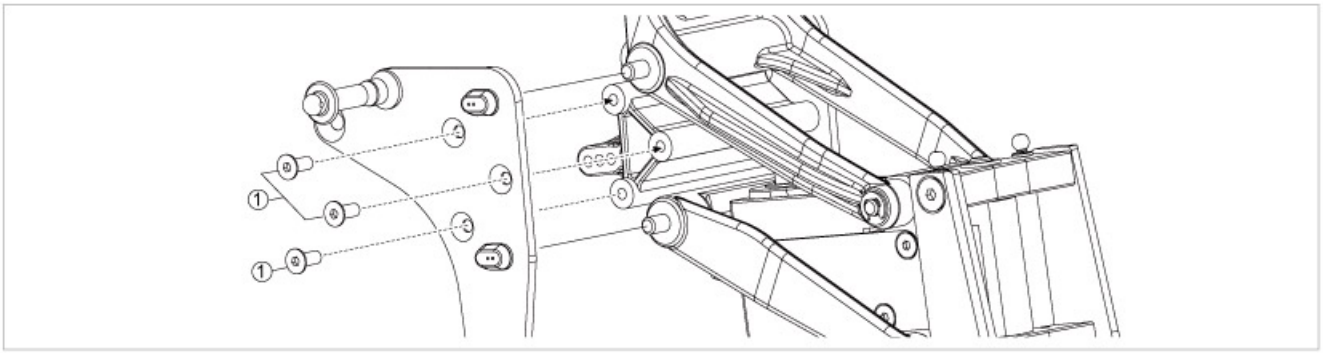
bagE

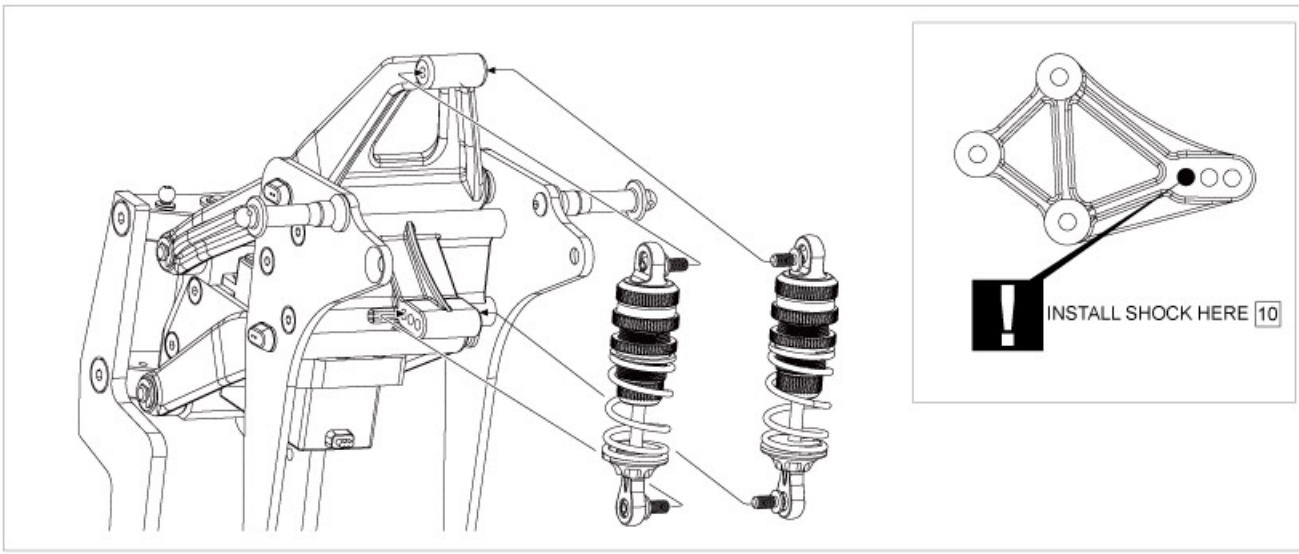
6

① M3 x 8 mm
FHCS Screw







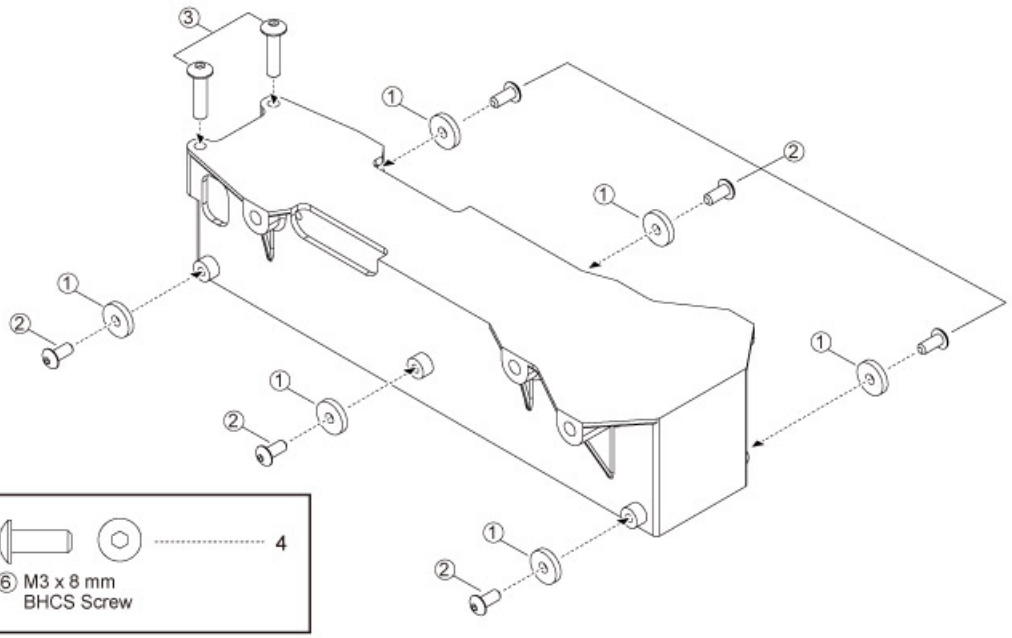


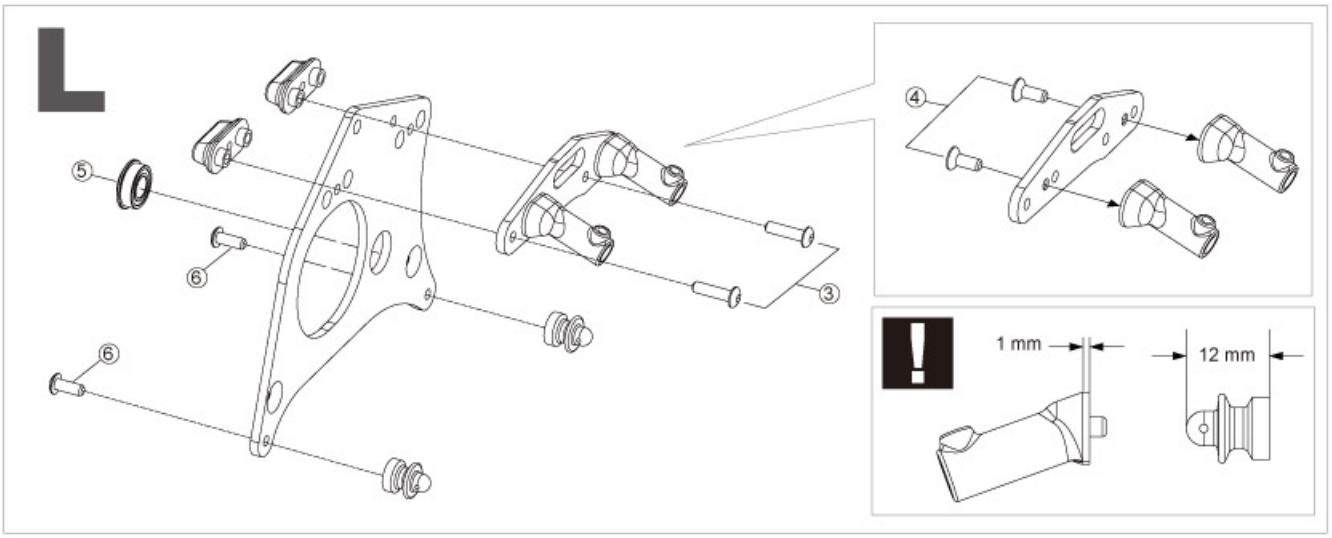

Attention

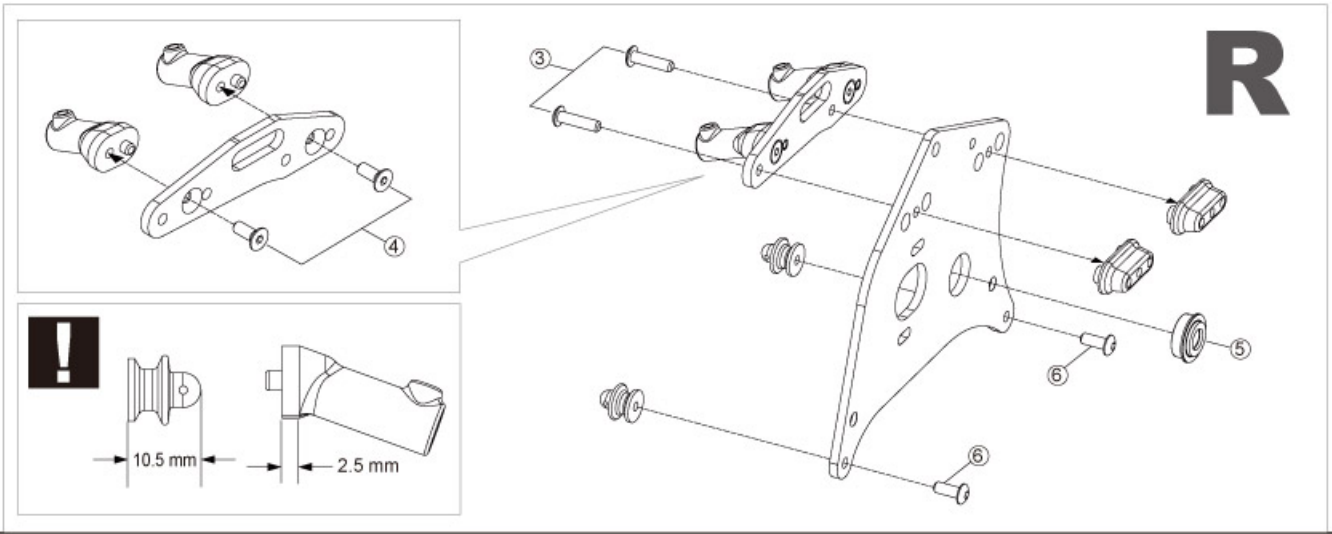
## STEP8

bagF

- ① 2.5 x 8 mm WASHER ..... 6
- ② M2.5 x 6 mm BHCS Screw ..... 6
- ③ M3 x 12 mm BHCS Screw ..... 6
- ④ M3 x 8 mm FHPS Screw ..... 4
- ⑤ 6 x 12 x 4 mm BEARING FL ..... 2
- ⑥ M3 x 8 mm BHCS Screw ..... 4



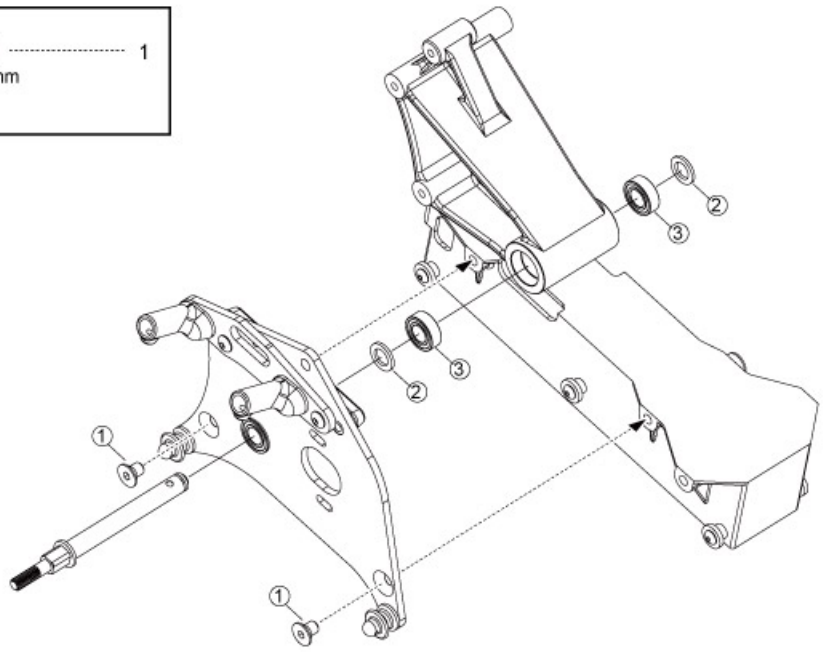



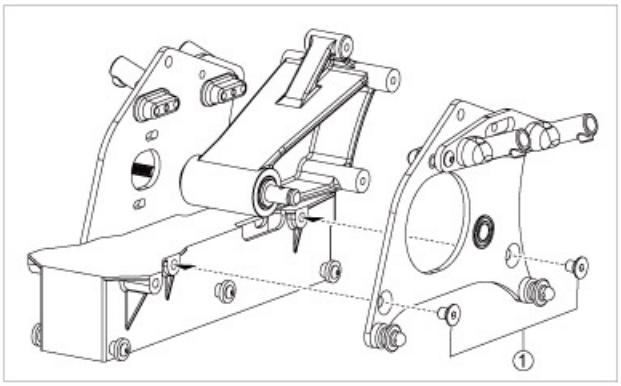

Attention

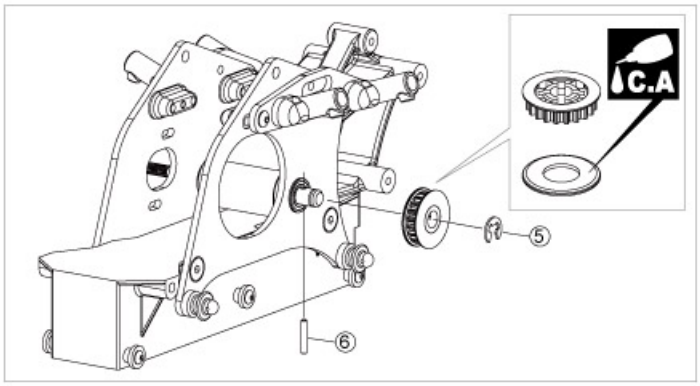
## STEP9

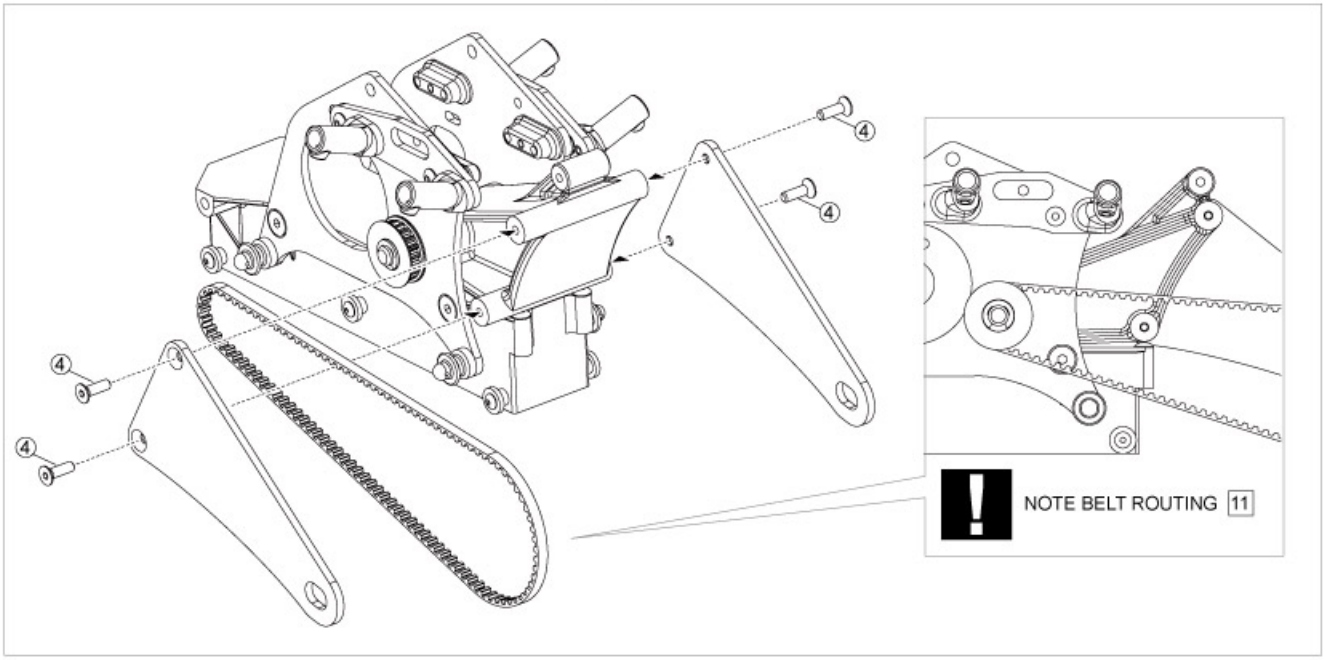
bagG

- ① M4 x 6 mm FHCS Screw — 4
- ② SWINGARM SPACER — 2
- ③ 6 x 12 x 4 mm BEARING — 2
- ④ M3 x 10 mm FHCS Screw — 4
- ⑤ 4 mm E-CLIP — 1
- ⑥ 2 x 12 mm PIN — 1



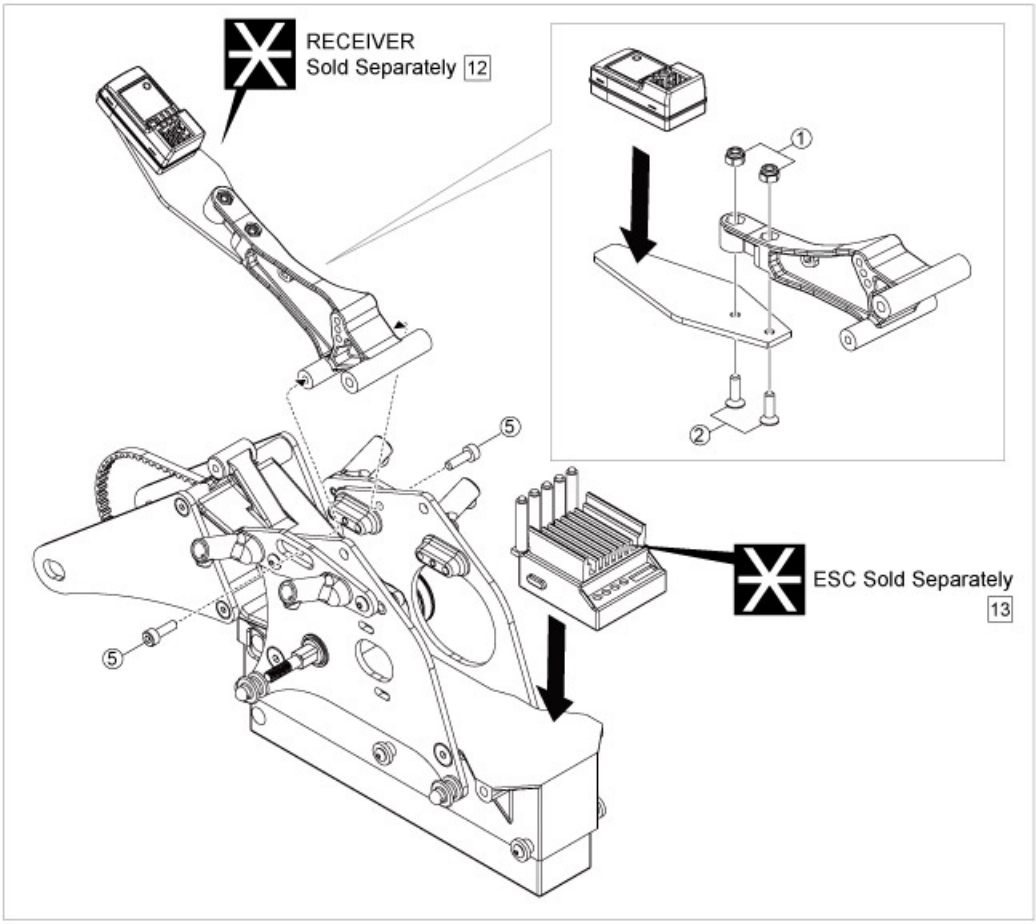

! Attention

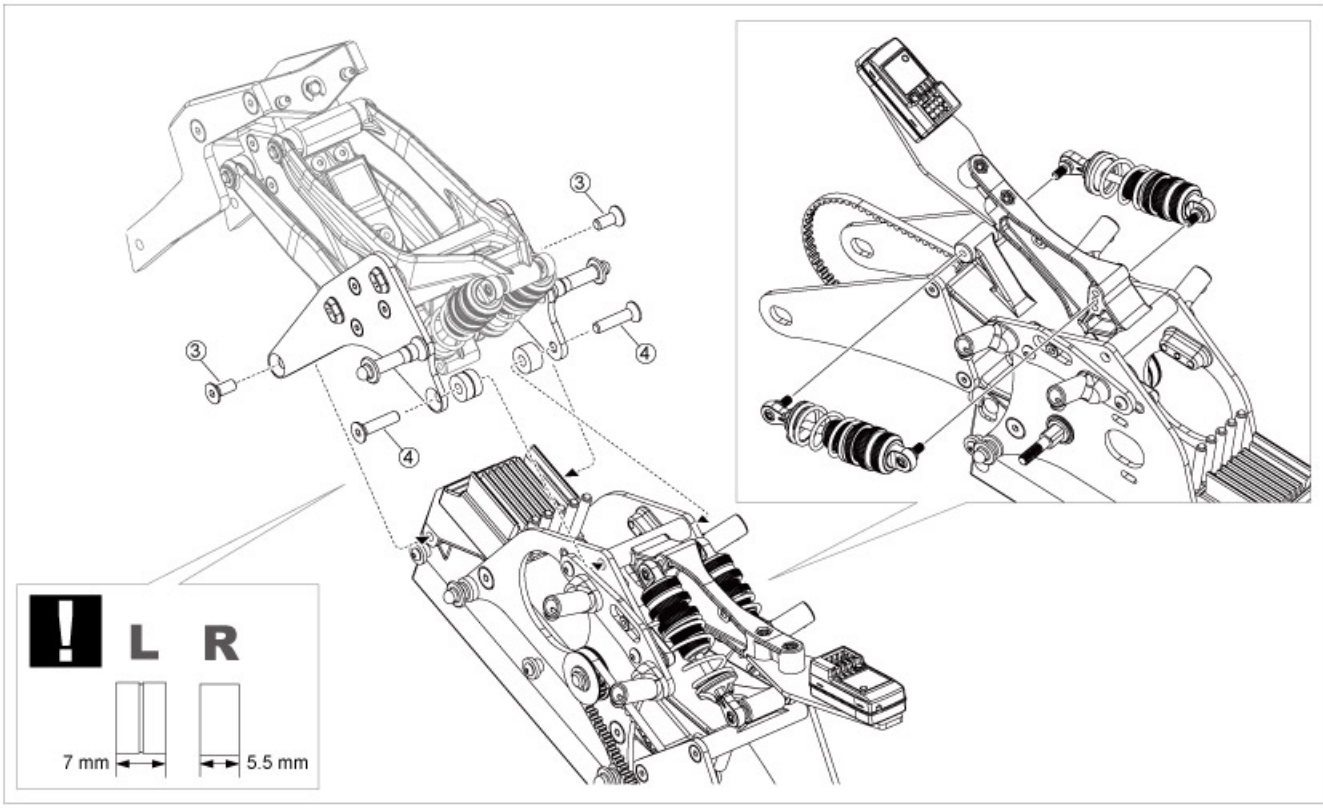
C.A Apply C.A Glue

# STEP10

bagH

- ① M3 LOCK NUT — 2
- ② M3 x 10 mm FHCS Screw — 2
- ③ M4 x 10 mm FHCS Screw — 2
- ④ M4 x 18 mm FHCS Screw — 2
- ⑤ M3 x 10 mm SHCS Screw — 2



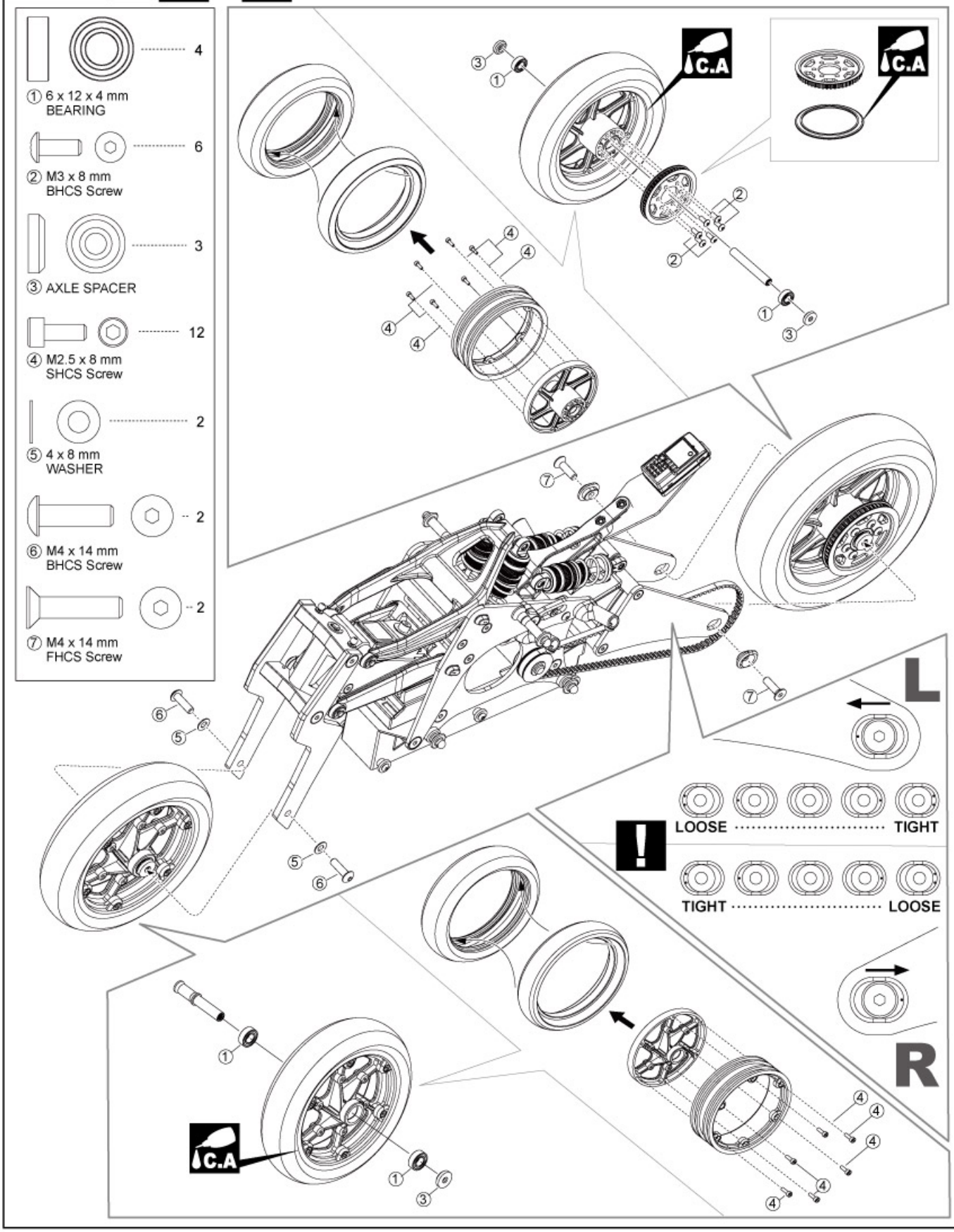




Attention

Must be purchased separately

## STEP11

bagI & bagJ



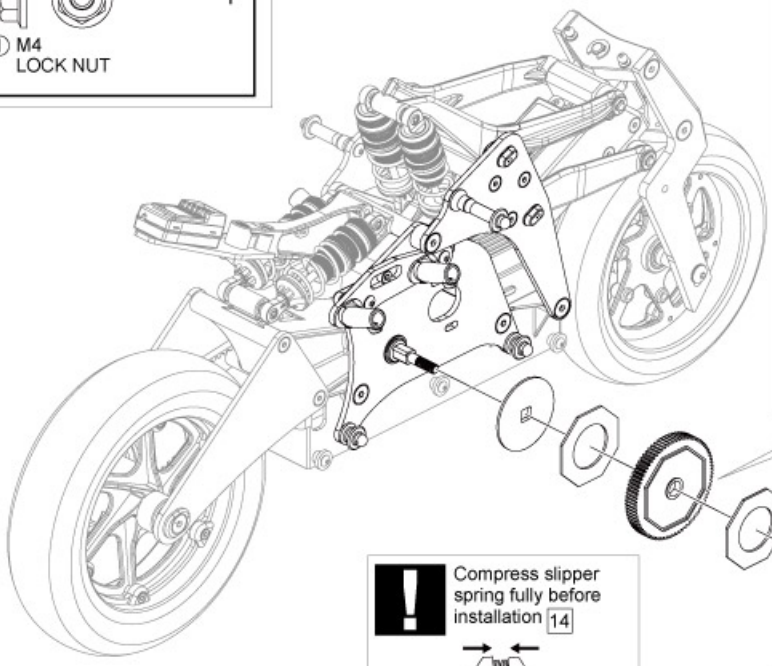

Attention

Apply C.A Glue

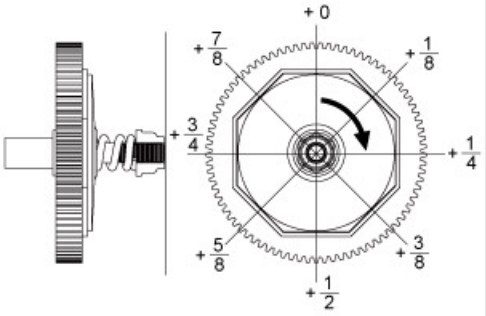
# STEP12

bagK

1 ① M4 LOCK NUT



## SLIPPER ADJUSTMENT




① First set slipper nut flush with shaft 15

② Then add 1/4 turn. Add more for less slip, add less for more slip. 16

**!** Compress slipper spring fully before installation 14

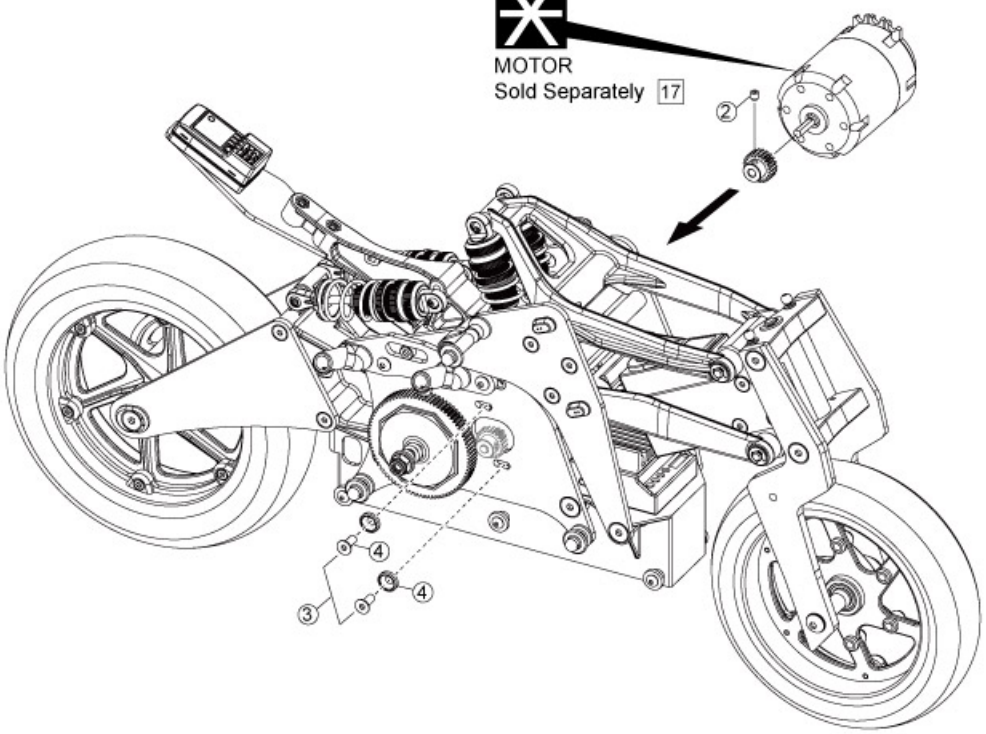


1 ② M3 x 3 mm SET Screw

2 ③ M3 x 8 mm FHCS Screw

2 ④ CONE WASHER

MOTOR Sold Separately 17

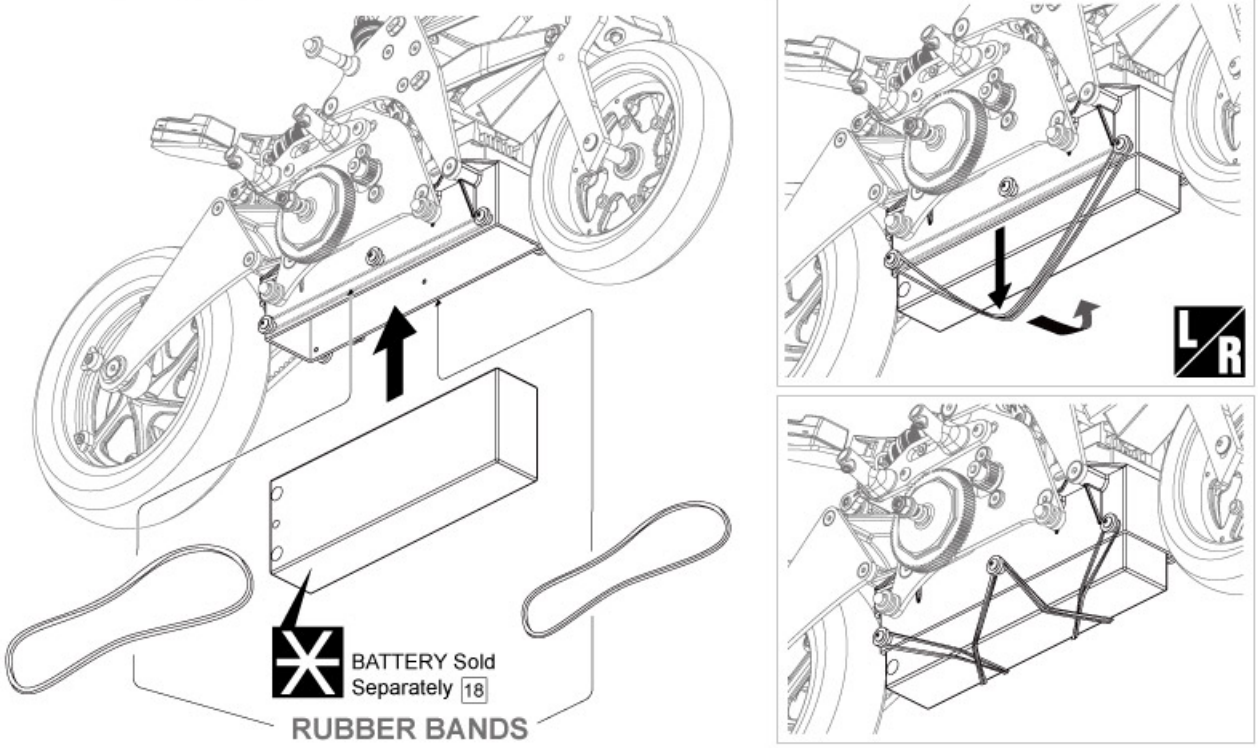



**!** Attention

Must be purchased separately

## STEP13

bagK




## STEP14

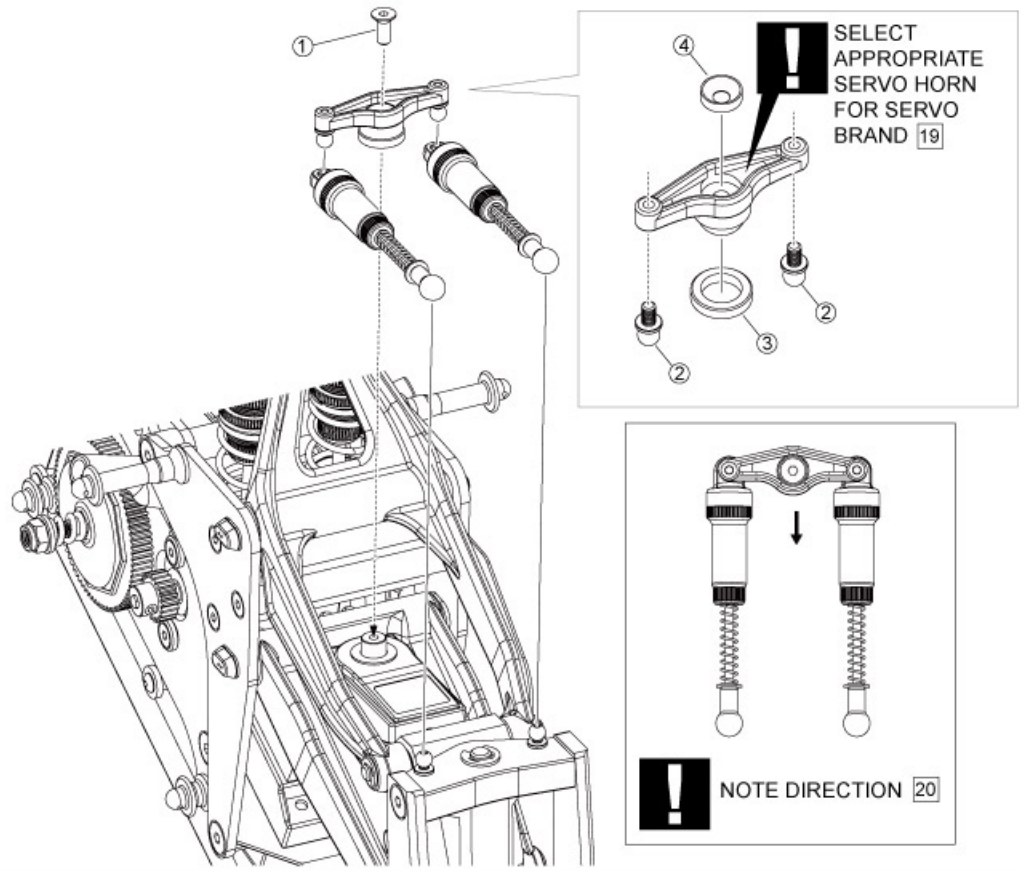
bagK

1 ① M3 x 8 mm FHCS Screw

2 ② 4 mm BALL STUD

1 ③ SERVO HORN RING

1 ④ SERVO CONE WASHER

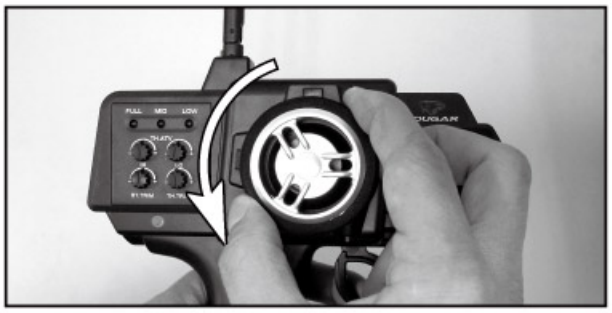



Must be purchased separately

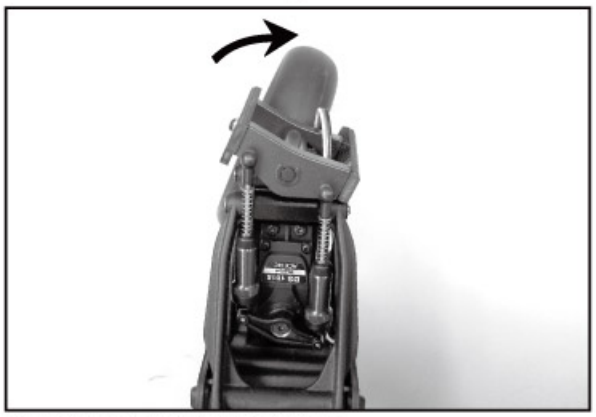
Attention

# STEERING SETUP & OPERATION

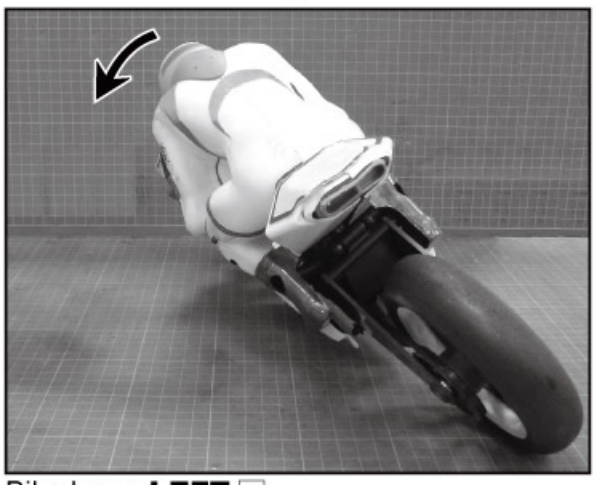
## LEFT TURN



Turn transmitter wheel **LEFT** 31



Front wheel turns **RIGHT**
( Counter steering ) 32



Bike leans **LEFT** 33

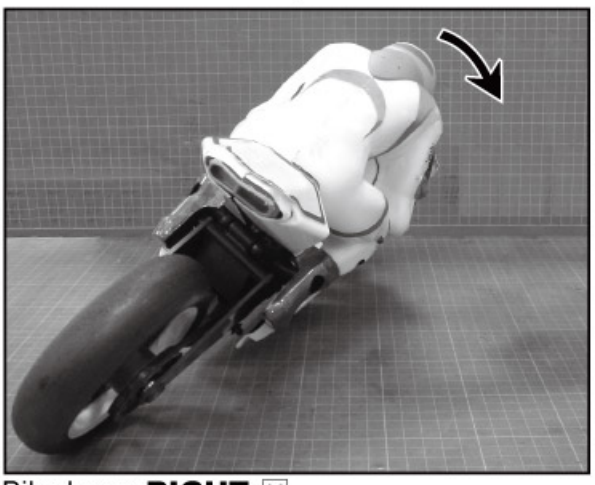
## RIGHT TURN



Turn transmitter wheel **RIGHT** 34

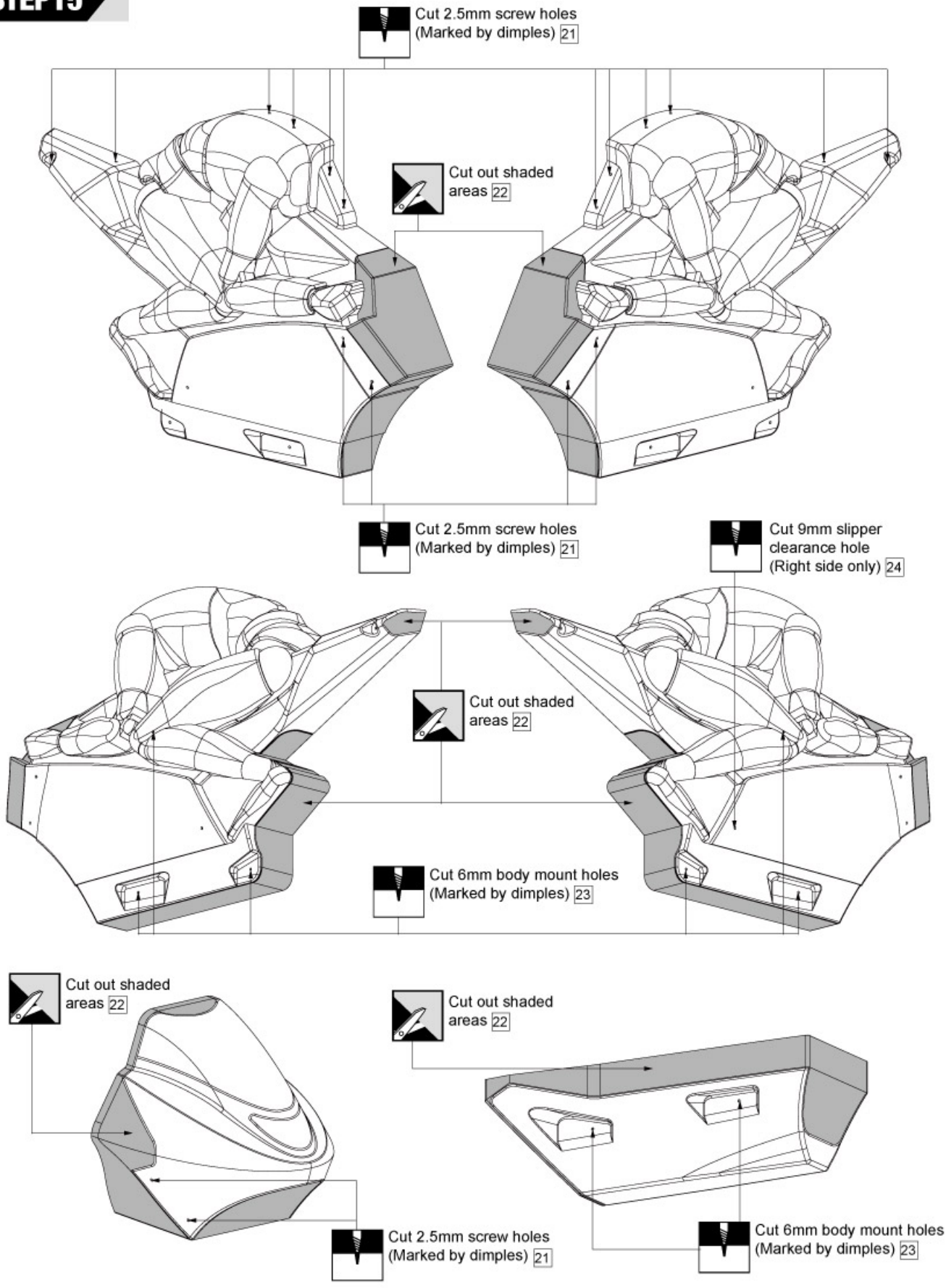


Front wheel turns **LEFT**
( Counter steering ) 35



Bike leans **RIGHT** 36

## STEP15




Cut off shaded portion

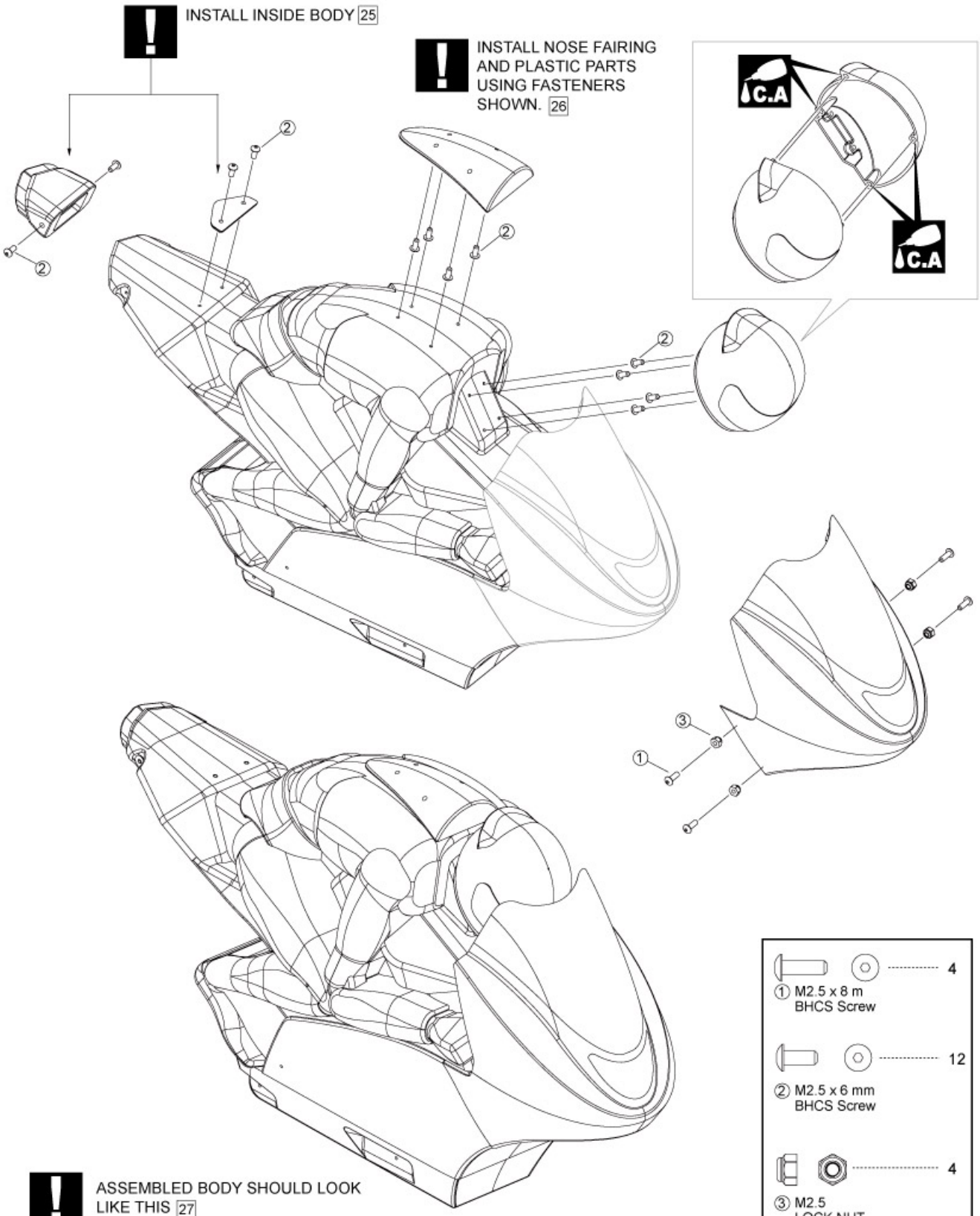
Drill holes with the specified diameter

## STEP16

bagL

INSTALL INSIDE BODY 25

INSTALL NOSE FAIRING AND PLASTIC PARTS USING FASTENERS SHOWN. 26



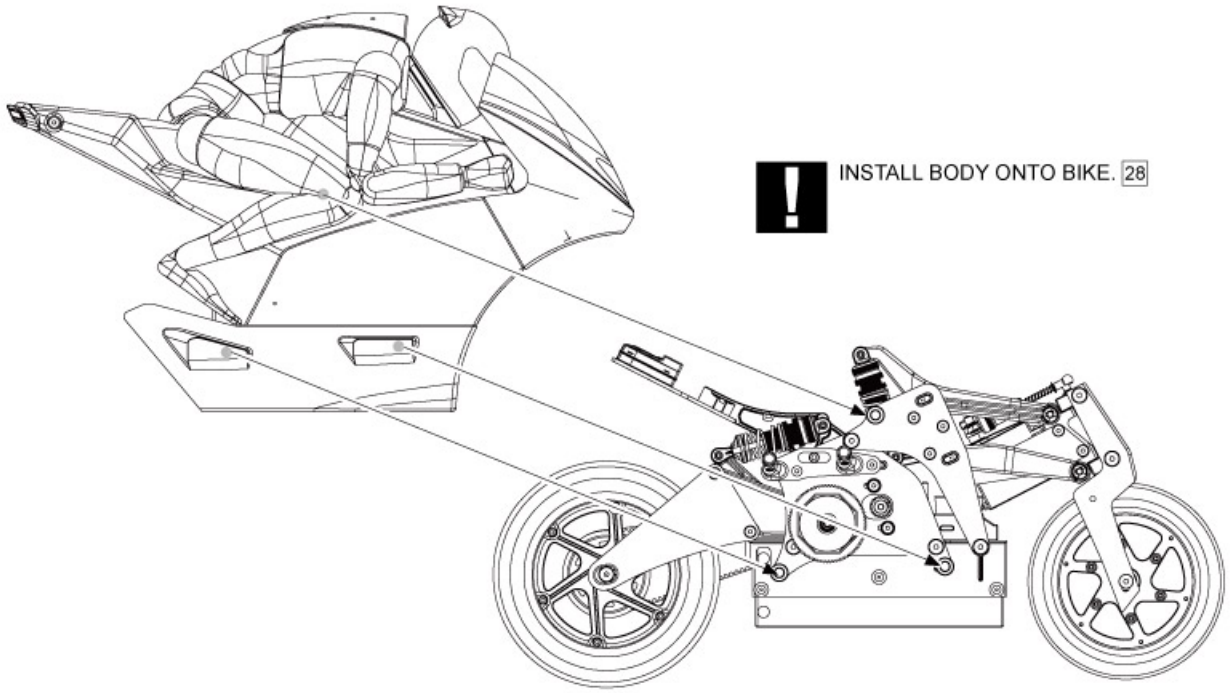

ASSEMBLED BODY SHOULD LOOK LIKE THIS 27

| | |
|---|---|
| ① M2.5 x 8 m BHCS Screw | 4 |
| ② M2.5 x 6 mm BHCS Screw | 12 |
| ③ M2.5 LOCK NUT | 4 |

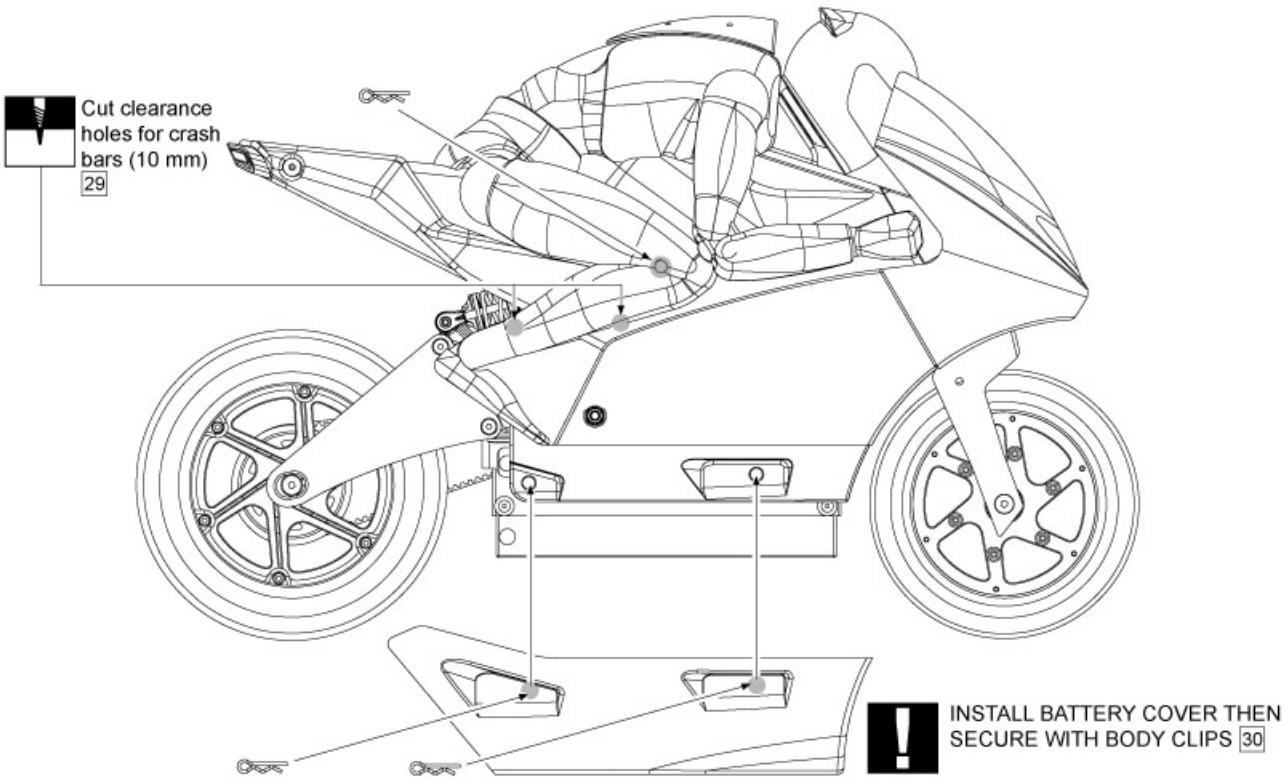
Attention

C.A Apply C.A Glue

## STEP17




## STEP18




Attention

Drill holes with the specified diameter

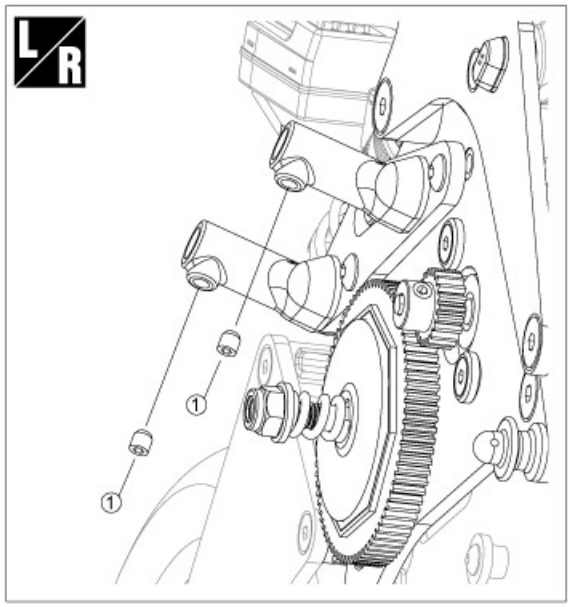
## STEP19

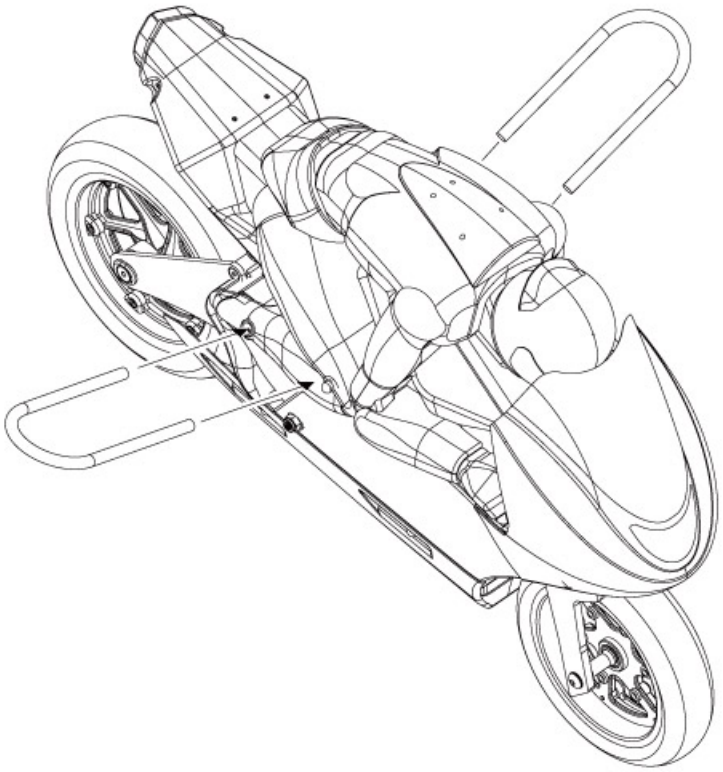
bagL

4

① M3 x 3 mm
SET Screw

L/R





## STEP20

bagM

6

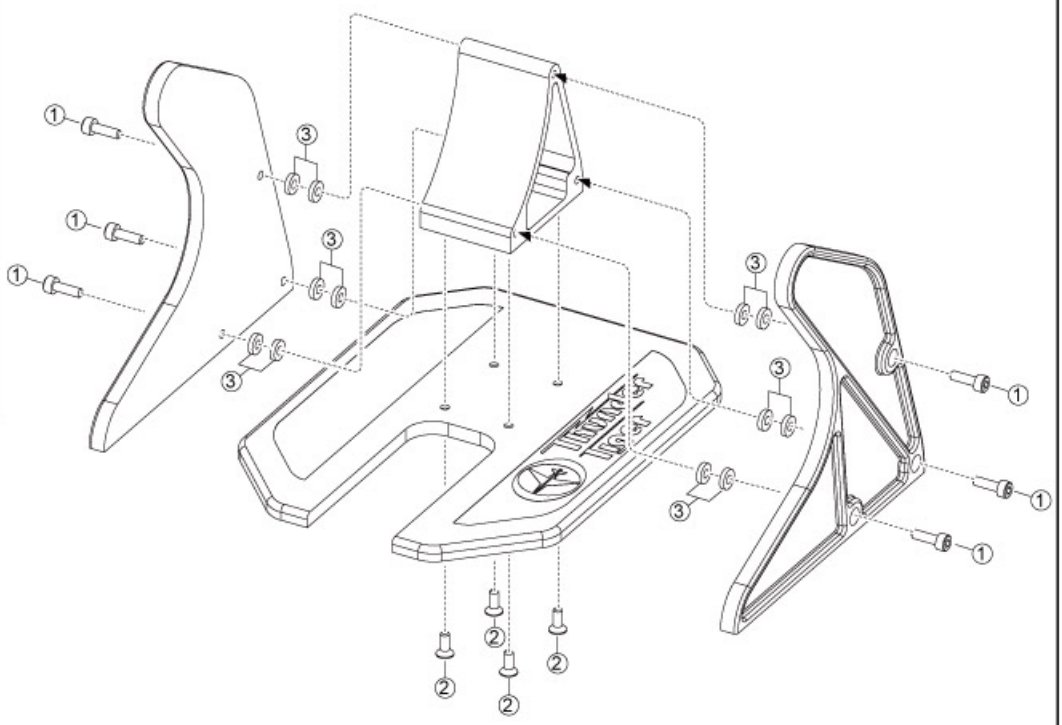
① M3 x 10 mm
SHCS Screw

4

② M3 x 8 mm
FHCS Screw

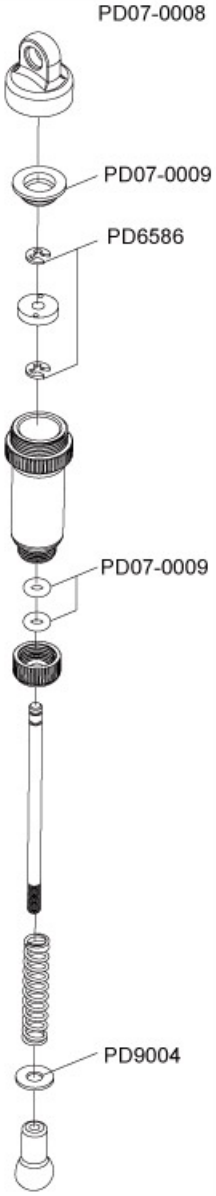
12

③ SPACER

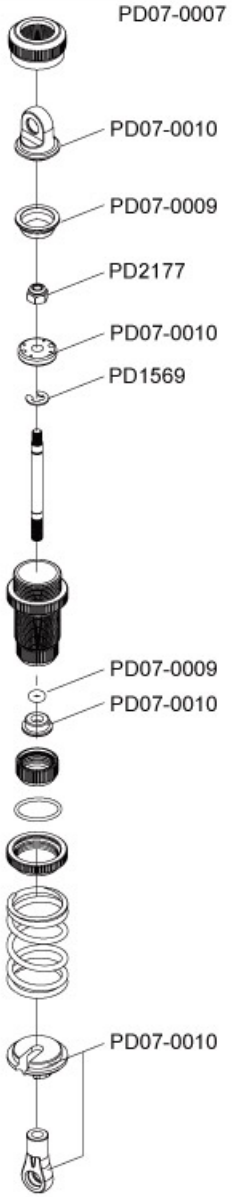


L/R Assemble left and right side the same way

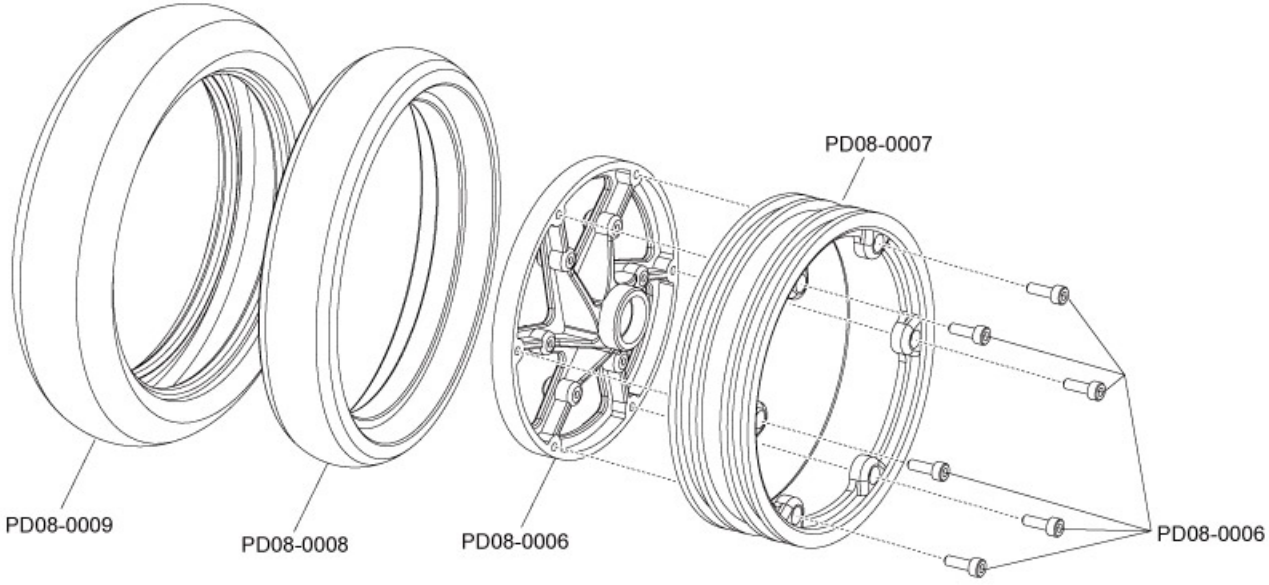
## ST. DAMPER ASSEMBLY



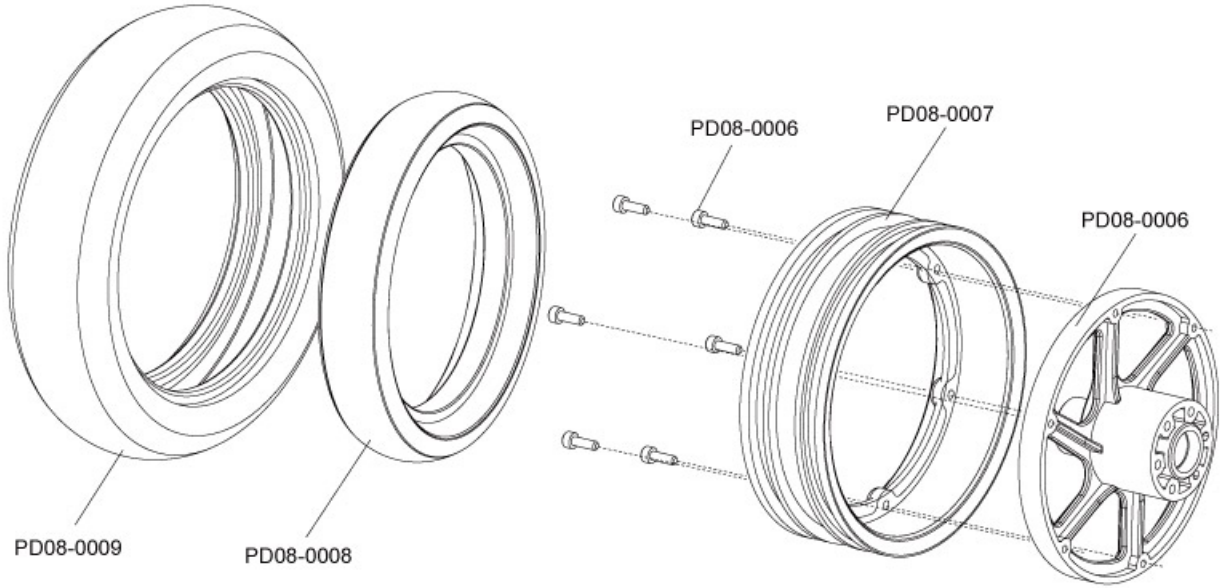

## SHOCK ASSEMBLY



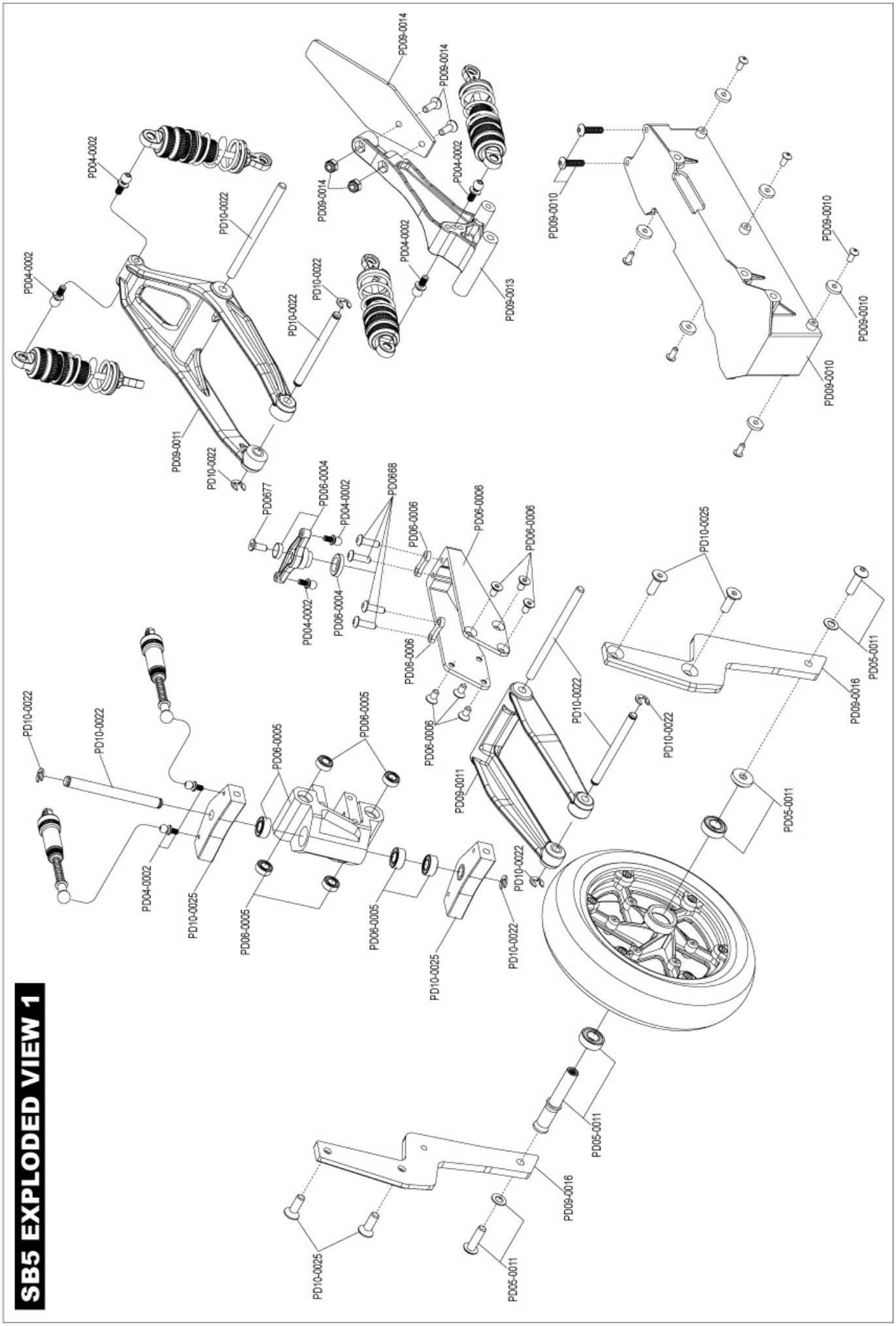

## FRONT WHEEL ASSEMBLY



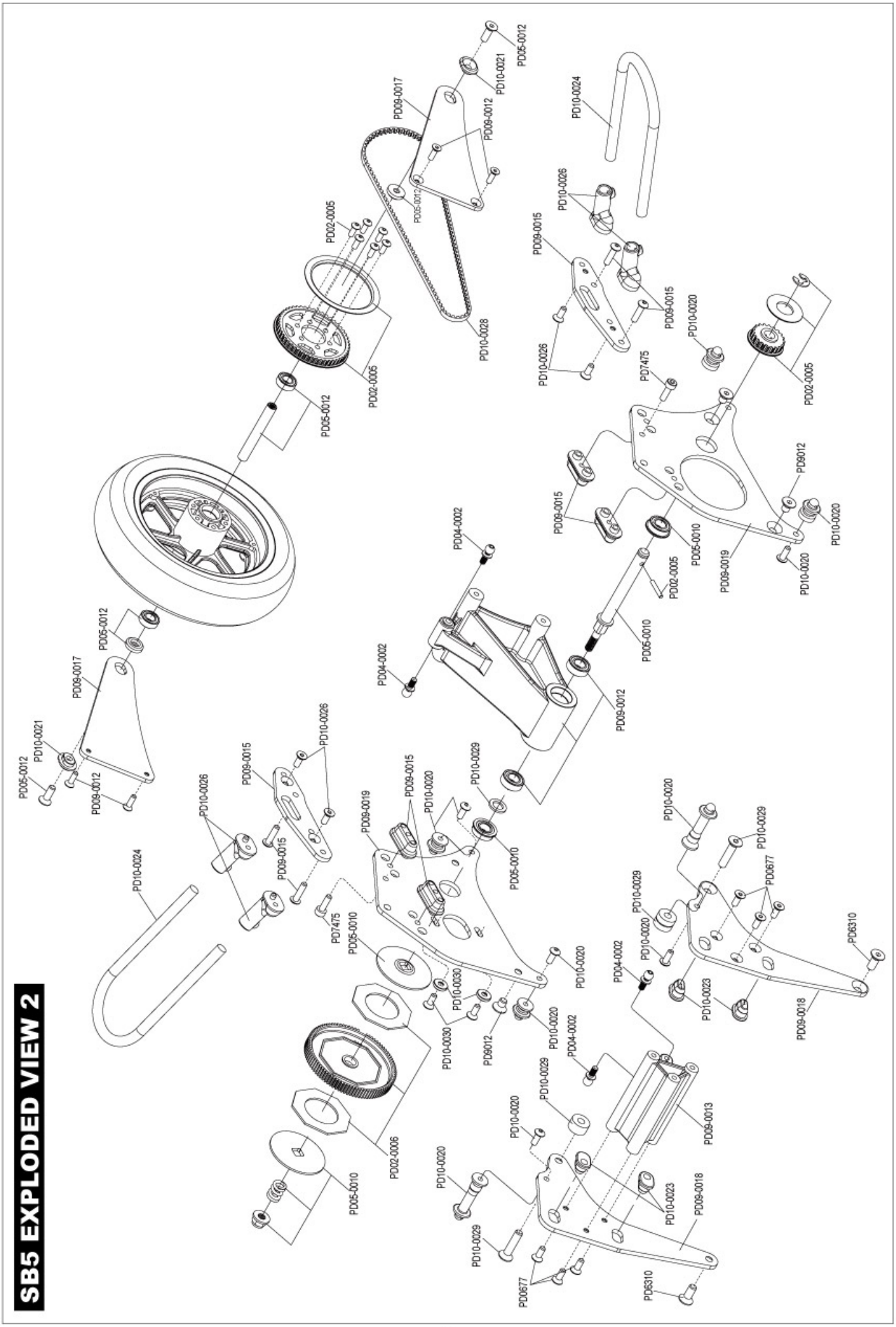

## REAR WHEEL ASSEMBLY



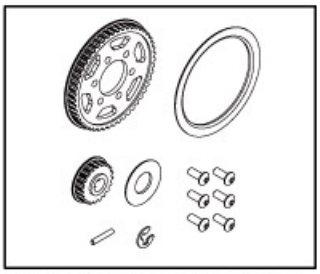
# SB5 EXPLODED VIEW 1

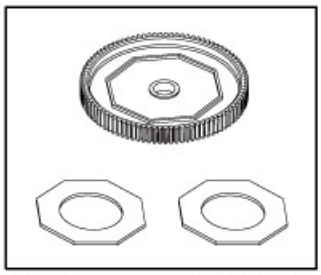


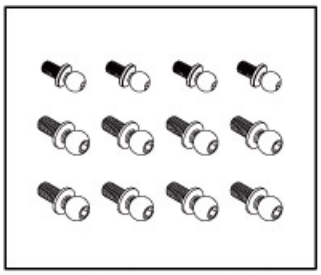
# SB5 EXPLODED VIEW 2

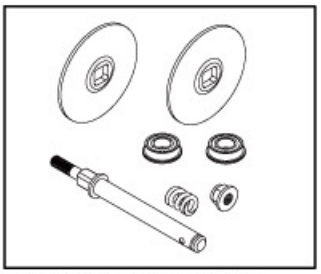


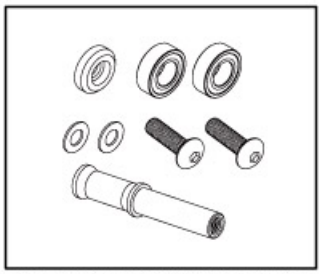
# SUPERBIKE SPARE PARTS

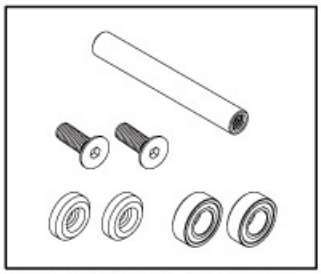

PD02-0005 BELT PULLEY SET

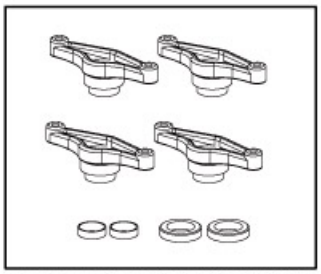

PD02-0006 SPUR GEAR SET (87T)

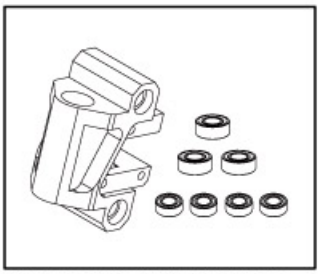

PD04-0002 BALLSTUD SET

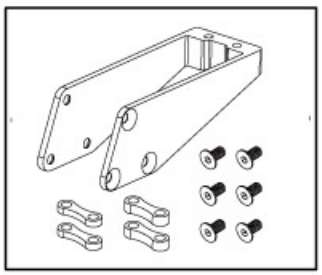

PD05-0010 SLIPPER SET


PD05-0011 FRONT AXLE SET

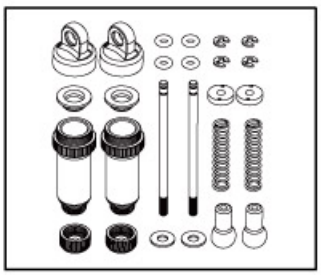

PD05-0012 REAR AXLE SET

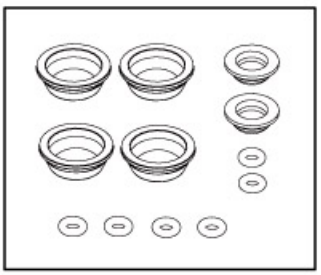

PD06-0004 SERVO HORN SET

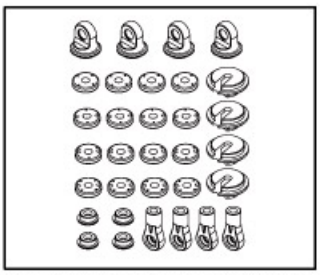

PD06-0005 STEERING HEAD

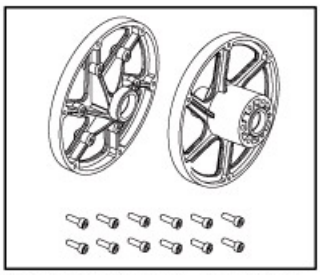

PD06-0006 SERVO MOUNT


PD07-0007 SHOCK ABSORBER KIT

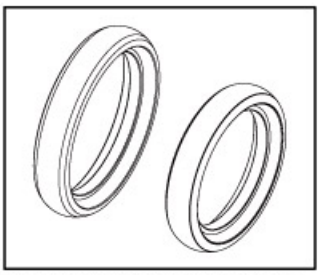

PD07-0008 STEERING DAMPER KIT

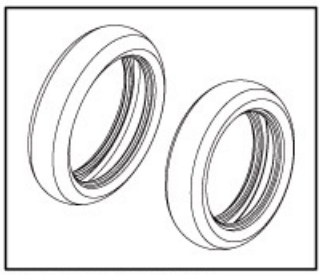

PD07-0009 SHOCK O-RING / BLADDER SET

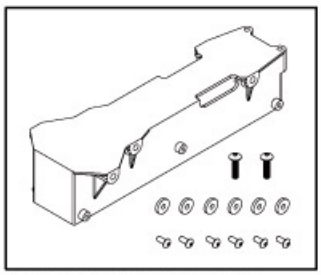

PD07-0010 SHOCK PLASTIC SET

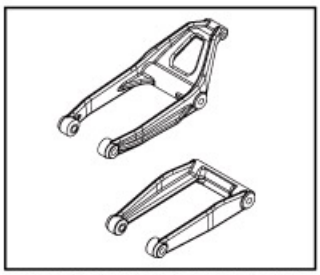

PD08-0006 WHEEL HUB SET

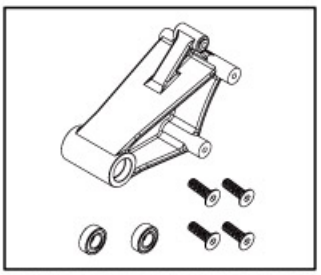

PD08-0007 WHEEL RIM SET

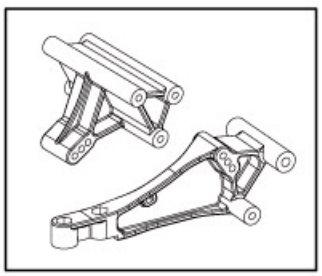

PD08-0008 TIRE INSERT SET

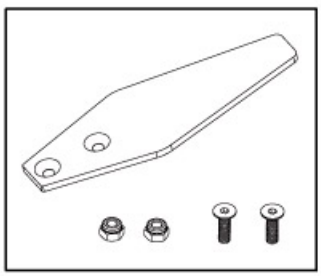

PD08-0009 TIRE SET

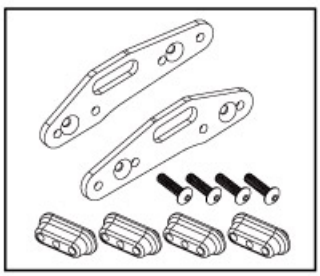

PD09-0010 BATTERY BOX

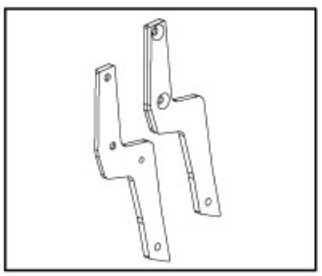

PD09-0011 FRONT SUSPENSION ARMS


PD09-0012 REAR SWINGARM

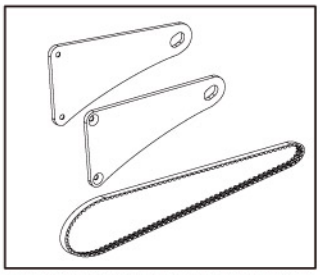

PD09-0013 SHOCK MOUNT SET

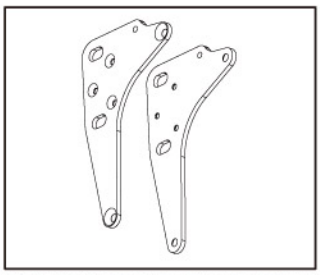

PD09-0014 RECEIVER MOUNT

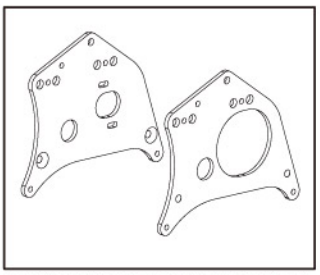

PD09-0015 SLIDER MOUNT EXTENDER SET

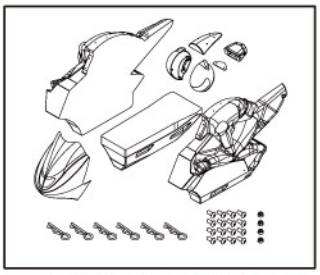

PD09-0016 FORK LEGS (SHORT)

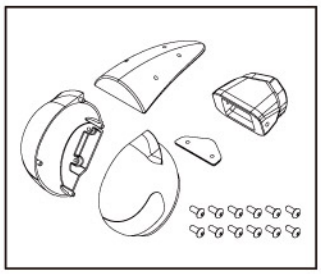
# SUPERBIKE SPARE PARTS

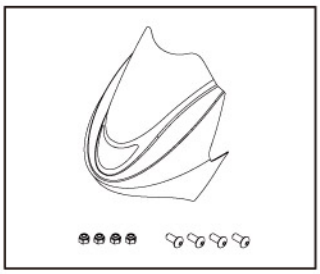

PD09-0017 SWINGARM LEGS (SHORT)

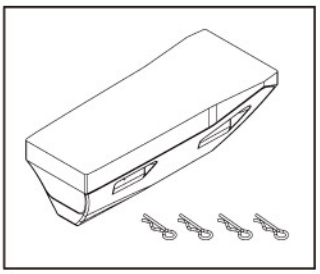

PD09-0018 FRONT FRAME SET (-5)

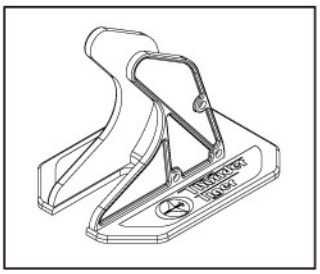

PD09-0019 REAR FRAME SET

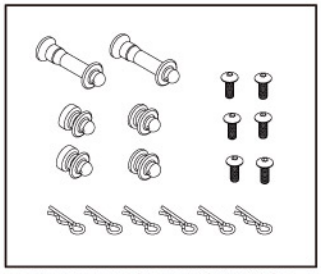

PD09-0020 BODY / RIDER SET

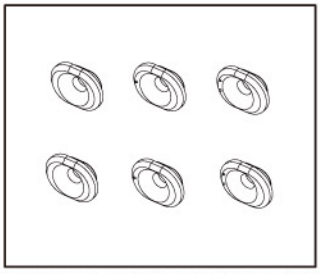

PD09-0021 HELMET SET

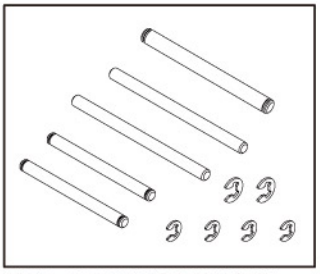

PD09-0022 REPLACEMENT FRONT FAIRING

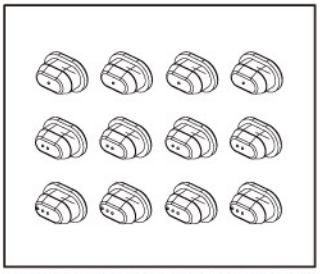

PD09-0023 BATTERY COVER

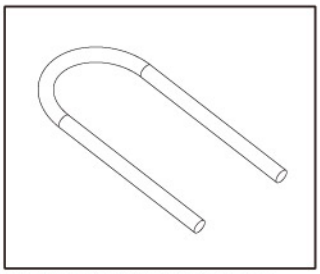

PD10-0019 BIKE STAND SET

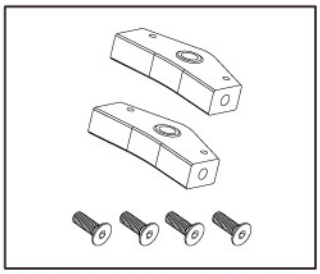

PD10-0020 BODY MOUNT SET

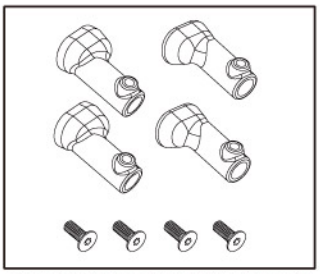

PD10-0021 BELT TENSIONER SET

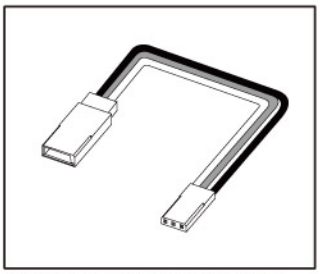

PD10-0022 HINGE PIN SET

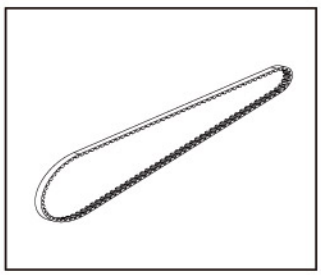

PD10-0023 HINGE PIN BUSHING SET

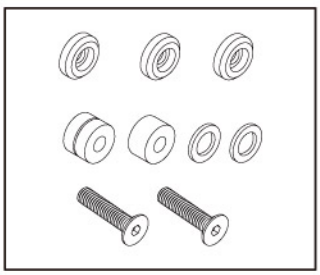

PD10-0024 NYLON SLIDER

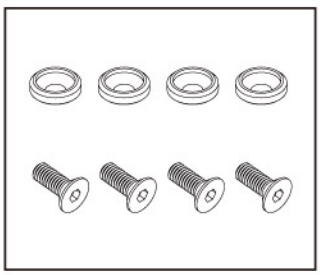

PD10-0025 TRIPLE CLAMP SET


PD10-0026 SLIDER MOUNT SET


PD10-0027 SERVO WIRE EXTENDER (15cm)

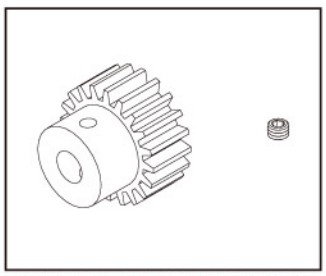

PD10-0028 DRIVE BELT (360T)


PD10-0029 ALUMINUM SPACER SET


PD10-0030 CONE WASHER SET



PD9015 SB5 DECAL SET


PD7035 MOTOR PINION GEAR, 21T

# SUPERBIKE SPARE PARTS



PD9004 Ø2.6 x Ø6 x 0.5 (20)

WASHER



PD9005 Ø1.2 x R2.2 (20)

FLANGE BEARING



PD7193 Ø1xR5 (20)

BODY CLIPS



PD10-0004 d4 x D8 x W3 (10)
PD1572 d6 x D12 x W4 (2)
PD1968 d5 x D10 x W4 (4)

BALL BEARING



PD1562 M4 (20)

LOCK NUT



PD0973 Ø4 (20)

WASHER



PD0961 M3 x 3 (20)

SET SCREW



PD0971 M3 (20)
PD2177 M2.5 (20)

LOCK NUT



PD0977 3mm (20)
PD0978 4mm (20)
PD1569 2.5mm (20)
PD6586 1.5mm (20)

E-CLIP



PD7293 M2.5 x 6 (20)
PD7475 M3 x 10 (20)
PD9006 M2.5 x 8 (20)

SHCS SCREW



PD0667 M3 x 8 (20)
PD0668 M3 x 10 (20)
PD0669 M3 x 12 (20)
PD9007 M2.5 x 6 (20)
PD9008 M2.5 x 8 (20)
PD9009 M3 x 12 (20)
PD9010 M4 x 14 (20)

BHCS SCREW



PD0557 M4 x 14 (20)
PD0676 M3 x 6 (20)
PD0677 M3 x 8 (20)
PD0678 M3 x 10 (20)
PD1973 M4 x 12 (20)
PD6310 M4 x 10 (20)
PD9011 M4 x 6 (20)
PD9012 M4 x 18 (20)

FHCS SCREW

# SUPERBIKE SPARE PART LIST

| PART# | DESCRIPTION | NOTE |
|---|---|---|
| PD02-0005 | BELT PULLEY SET | |
| PD02-0006 | SPUR GEAR SET (87T) | |
| PD04-0002 | BALLSTUD SET | |
| PD05-0010 | SLIPPER SET | |
| PD05-0011 | FRONT AXLE SET | |
| PD05-0012 | REAR AXLE SET | |
| PD0557 | FHCS SCREW(20), M4 x 14 | |
| PD06-0004 | SERVO HORN SET | |
| PD06-0005 | STEERING HEAD | |
| PD06-0006 | SERVO MOUNT | |
| PD0667 | BHCS SCREW(20), M3 x 8 | |
| PD0668 | BHCS SCREW(20),M3 x 10 | |
| PD0669 | BHCS SCREW(20),M3 x 12 | |
| PD0676 | FHCS SCREW(20),M3 x 6 | |
| PD0677 | FHCS SCREW(20),M3 x 8 | |
| PD0678 | FHCS SCREW(20),M3 x 10 | |
| PD07-0007 | SHOCK ABSORBER KIT | |
| PD07-0008 | STEERING DAMPER KIT | |
| PD07-0009 | SHOCK O-RING / BLADDER SET | |
| PD07-0010 | SHOCK PLASTIC SET | |
| PD08-0006 | WHEEL HUB SET | |
| PD08-0007 | WHEEL RIM SET | |
| PD08-0008 | TIRE INSERT SET | |
| PD08-0009 | TIRE SET | |
| PD09-0010 | BATTERY BOX | |
| PD09-0011 | FRONT SUSPENSION ARMS | |
| PD09-0012 | REAR SWINGARM | |
| PD09-0013 | SHOCK MOUNT SET | |
| PD09-0014 | RECEIVER MOUNT | |
| PD09-0015 | SLIDER MOUNT EXTENDER SET | |
| PD09-0016 | FORK LEGS (SHORT) | |
| PD09-0017 | SWINGARM LEGS (SHORT) | |
| PD09-0018 | FRONT FRAME SET (-5) | |
| PD09-0019 | REAR FRAME SET | |
| PD09-0020 | BODY / RIDER SET | |
| PD09-0021 | HELMET SET | |
| PD09-0022 | REPLACEMENT FRONT FAIRING | |
| PD09-0023 | BATTERY COVER | |
| PD0961 | SET SCREWS(20), M3 x 3 | |
| PD0971 | LOCK NUT(20), M3 | |
| PD0973 | WASHER(20), 4mm | |
| PD0977 | E-CLIP(20),3mm | |
| PD0978 | E-CLIP(20), 4mm | |
| PD10-0004 | BEARING(10), d4 x D8 x W3 | |
| PD10-0019 | BIKE STAND SET | |
| PD10-0020 | BODY MOUNT SET | |
| PD10-0021 | BELT TENSIONER SET | |
| PD10-0022 | HINGE PIN SET | |
| PD10-0023 | HINGE PIN BUSHING SET | |
| PD10-0024 | NYLON SLIDER | |
| PD10-0025 | TRIPLE CLAMP SET | |
| PD10-0026 | SLIDER MOUNT SET | |
| PD10-0027 | SERVO WIRE EXTENDER (15cm) | |
| PD10-0028 | DRIVE BELT (360T) | |
| PD10-0029 | ALUMINUM SPACER SET | |
| PD10-0030 | CONE WASHER SET | |
| PD1562 | LOCK NUT(20), FLANGE M4 | |
| PD1569 | E-CLIP(20), 2.5mm | |
| PD1572 | BALL BEARING(4), 6 x 12 x 4 | |

# SUPERBIKE SPARE PART LIST

| PART# | DESCRIPTION | NOTE |
|---|---|---|
| PD1968 | BEARING(4), d5 x D10 x W4 | |
| PD1973 | FHCS SCREW(20), M4 x 12 | |
| PD2177 | LOCK NUT(20), M2.5 | |
| PD6310 | FHCS SCREW(20), M4 x 10 | |
| PD6586 | E-CLIP(20), 15mm | |
| PD7035 | MOTOR PINION GEAR, 21T | |
| PD7293 | SHCS SCREW (20) M2.5 x 6 | |
| PD7475 | SHCS SCREW(20), M3 x 10 | |
| PD9004 | WASHER BAG | |
| PD9005 | FLANGE BEARING | |
| PD9006 | SHCS SCREW(20), M2.5 x 8 | |
| PD9007 | BHCS SCREW(20), M2.5 x 6 | |
| PD9008 | BHCS SCREW(20), M2.5 x 8 | |
| PD9009 | BHCS SCREW(20), M3 x 12 | |
| PD9010 | BHCS SCREW(20), M4 x 14 | |
| PD9011 | FHCS SCREW(20), M4 x 6 | |
| PD9012 | FHCS SCREW(20), M4 x 18 | |
| PD9015 | SB5 DECAL SET | |

# SUPERBIKE OPTION PARTS



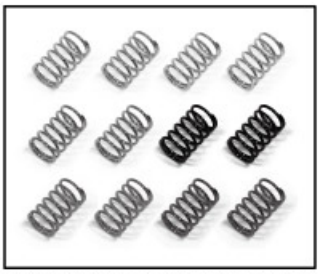
PD02-0007 SPUR GEAR SET (81T)



PD02-0008 SPUR GEAR SET (93T)



PD06-0007 FRONT BRAKE KIT



PD07-0011 SHOCK SPRING SET



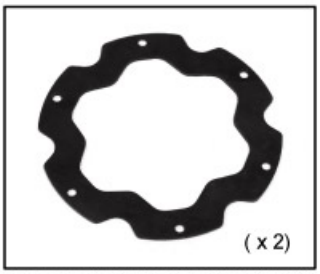
PD07-0012 STEERING SPRING SET



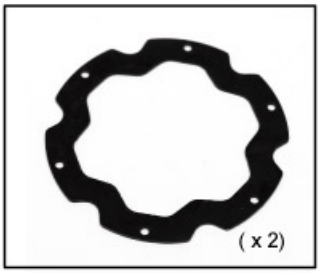
PD08-0010 ALUMINUM WHEEL HUB (F)



PD08-0011 ALUMINUM WHEEL HUB (R)



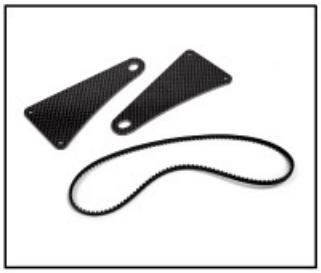

PD08-0012 WHEEL WEIGHTS (F)



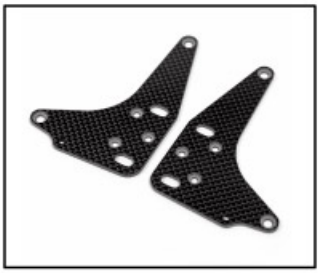

PD08-0013 WHEEL WEIGHTS (R)



PD09-0024 FORK LEGS (LONG)



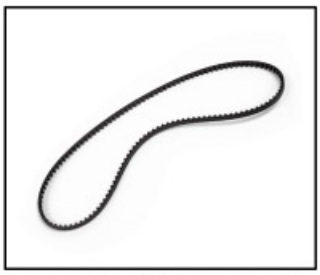
PD09-0025 SWINGARM LEGS (LONG)



PD09-0026 FRONT FRAME SET (+0)



PD10-0031 SLIDER WHEEL SET



PD10-0032 DRIVE BELT (378)

# SUPERBIKE OPTION PART LIST

| PART# | DESCRIPTION | NOTE |
|---|---|---|
| PD02-0007 | SPUR GEAR SET (81T) | |
| PD02-0008 | SPUR GEAR SET (93T) | |
| PD06-0007 | FRONT BRAKE KIT | |
| PD07-0011 | SHOCK SPRING SET | |
| PD07-0012 | STEERING SPRING SET | |
| PD08-0010 | ALUMINUM WHEEL HUB (F) | |
| PD08-0011 | ALUMINUM WHEEL HUB (R) | |
| PD08-0012 | WHEEL WEIGHTS (F) | |
| PD08-0013 | WHEEL WEIGHTS (R) | |
| PD09-0024 | FORK LEGS (LONG) | |
| PD09-0025 | SWINGARM LEGS (LONG) | |
| PD09-0026 | FRONT FRAME SET (+0) | |
| PD10-0031 | SLIDER WHEEL SET | |
| PD10-0032 | DRIVE BELT (378) | |

# OPTIONAL ELECTRONICS

REEDY



No.703 Reedy Li-Po
5000 mAh Pro 12AWG



No.709 LiPo 5000mAh
7.4V 35C



No.711 Reedy LiPo 4900mAh 7.4V
35C EFRA

Requires ESC with Li-Po voltage cut-off

ACE RC®



No.2843 Li-Po 5000mAh 7.4V 35C

ACE RC® RIPPER

Electronic Speed Control



No.8056 BLC-40C PWR

| Specifications | |
|---|---|
| BLS PWR Combo No. | 8056 |
| Included Motor KV | 2359 / 4900KV |



No.2344
IBL36 / 39-540C
3900 RPM / Volt



No.2359
IBL36 / 49-540C
4900 RPM / Volt

| Specifications | | |
|---|---|---|
| STAND-ALONE MOTOR | IBL36 / 39 - 540C | IBL36 / 49 - 540C |
| Item Number | 2344 | 2359 |
| Voltage range | 6~8 cells | 6~8 cells |
| RPM per volt | 3900 RPM / V | 4900 RPM / V |
| Max. efficiency current | 10 ~ 45 A | 10 ~ 50 A |
| Max. suge current | 50A / 60s | 55A / 60s |
| Weight (g / oz) | 190 / 6.7 | 190 / 6.7 |



No.8060 BLC-40C ESC

| Specifications | |
|---|---|
| STAND-ALONE ESC | BLC-40C ESC |
| Item Number | 8060 |
| NiCD / NiMH cells | 7.2V |
| Li Polymer cells | 7.4-11.1V |
| Current (Continuous) | 40A |
| Max Output | 360W / 40sec |
| Size LxWxH(mm) | 46 x 28.8 x 31.5 |
| Weight (g / oz) | 66 / 2.33 |

ACE RC®



No.2532
ELC 4 LITHIUM-POLYMER
E-charger

| Specifications | |
|---|---|
| Input Voltage | 11V ~ 15V DC |
| Output Voltage | 7.4V / 2cell x 2, 11.1V / 3Cell, 14.8V / 4cell |
| Battery Type | Li-Po only |
| Number of Cell | 2S x 2 or 3S X 1 or 4S x 1 |
| Charging Current | 1.5A / 1.0A / 1.5A / 2A |
| Input Connecter | Alligator |
| Output Connecter | TT STD Plug |
| Fuse | 7.5A Spade (Auto) |
| Dimension (mm) | 158 x 88 x 49.8 |
| Weight (g / oz.) | 272 / 9.59 |

COUGAR 2.4GHz 3CH DIGITAL RADIO SYSTEM PS3i

2.4GHz Surface
Radio Control System
No.8308

IFHss 2.4GHz



| Specifications | |
|---|---|
| Item No. | 8308 |
| Transmitter | COUGAR PS3i |
| Configuration | Pistol Grip |
| Encoder | 3Ch |
| Frequency (MHz) | 2.44GHz |
| Modulation | GFSK |
| Current Drain | 130mA @ 9.6V |
| Frequency Band Width | 24MHz |
| Transmission System | FHSS |
| Band No. | 78CH |
| ID No. | 13bit |
| Radio Speed | 16Kbps |
| Servo Reverse | CH1~CH3 |
| Display | LCD |
| Mode Memory | 10 |
| Antenna Type | 1 / 4_Dipole Sleeve |
| Antenna Peak Gain | 2dBi Typical |
| Power Requirement | 9.6V / 8 cell AA Battery |
| Dimension (w / o Antenna) | 220 x 99 x 182 mm / 8.66 x 3.89 x 7.16 in |
| Weight (g / oz) | 443 g / 15.59 oz |

ACE RC®

Micro Servo (Metal Gear)



No.8127 High Torque / DS1015

| Specifications | |
|---|---|
| Torque 4.8V / 6V (oz-in) | 161.1 / 201.4 |
| Torque 4.8V / 6V (Kg-cm) | 11.6 / 14.5 |
| Speed 4.8V / 6V (sec / 60°) | 0.138 / 0.108 |
| Gear | 1P + 3MG |
| Bearing | 2BB |
| Size L x W x H (in) | 1.65 x 0.81 x 1.56 |
| Size L x W x H (mm) | 41.8 x 20.6 x 39.6 |
| Weight (gram / oz) | 2.328 / 66 |

Receiver



AQ2280 2.4GHz 3CH Receiver

| Specifications | |
|---|---|
| Receiver | TRS401ss |
| Item No. | AQ2280 |
| Frequency (GHz) | 2.4GHz |
| Channel | 4CH |
| BEC | No |
| Type | PPM |
| Antenna Type | Single Antenna |
| Battery Power | 4.8~6V |
| Dimension (mm) | 18.3 x 35.6 x 14.2 mm |
| Weight (g / oz) | 6.5g |

## FRONT SUSPENSION

SHOCK SPRING [F] _____
SHOCK PISTON [F] _____
SHOCK OIL [F] _____
SHOCK MOUNT [F] _____
FORK LENGTH _____
ARM MOUNT PLATE _____
ARM BUSHING [TOP] _____
ARM BUSHING [LOW] _____
RIDE HEIGHT [F] _____

## REAR SUSPENSION

SHOCK SPRING [R] _____
SHOCK PISTON [R] _____
SHOCK OIL [R] _____
SHOCK MOUNT [R] _____
SWINGARM LENGTH _____
LEAN ANGLE _____
CRASH BAR POS. _____
RIDE HEIGHT [R] _____

## STEERING

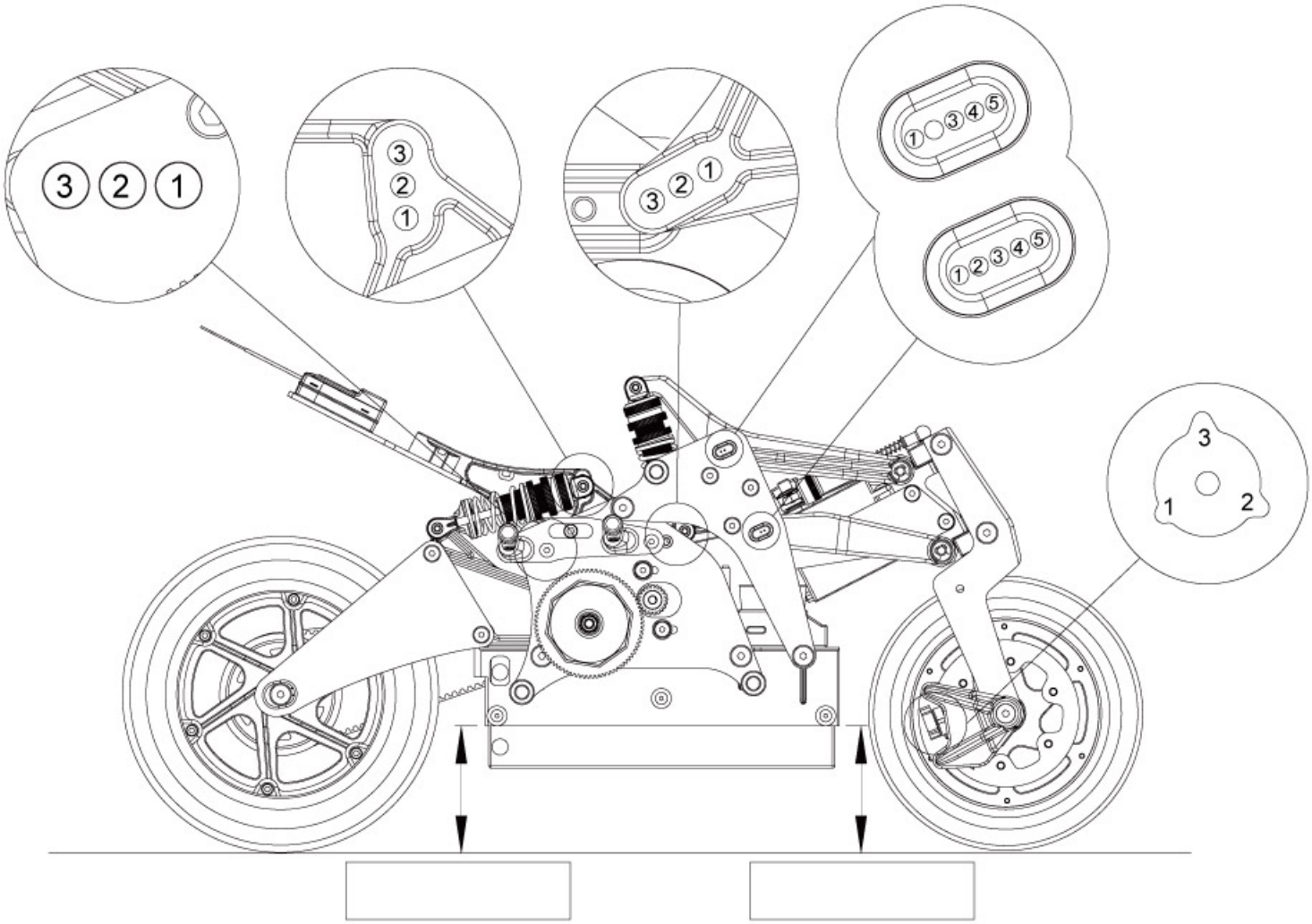
STEERING SPRING _____
ST. DAMPER OIL _____
STEERING D / R _____
STEERING ATV _____
STEERING EXP _____

## BRAKES

BRAKE CAM _____
BRAKE ATV [F] _____
BRAKE ATV [R] _____
BRAKE EXP _____

## POWER

BATTERY _____
MOTOR _____
PINION _____
SPUR _____
SLIPPER _____
THROTTLE ATV _____
THROTTLE EXP _____




## TIRES

TIRE [FRONT] _____
INSERT [FRONT] _____
TIRE [REAR] _____
INSERT [REAR] _____

| DRIVER | DATE |
|---|---|
| TRACK | |
| EVENT | |
| CONDITIONS | |
| COMMENTS | |

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