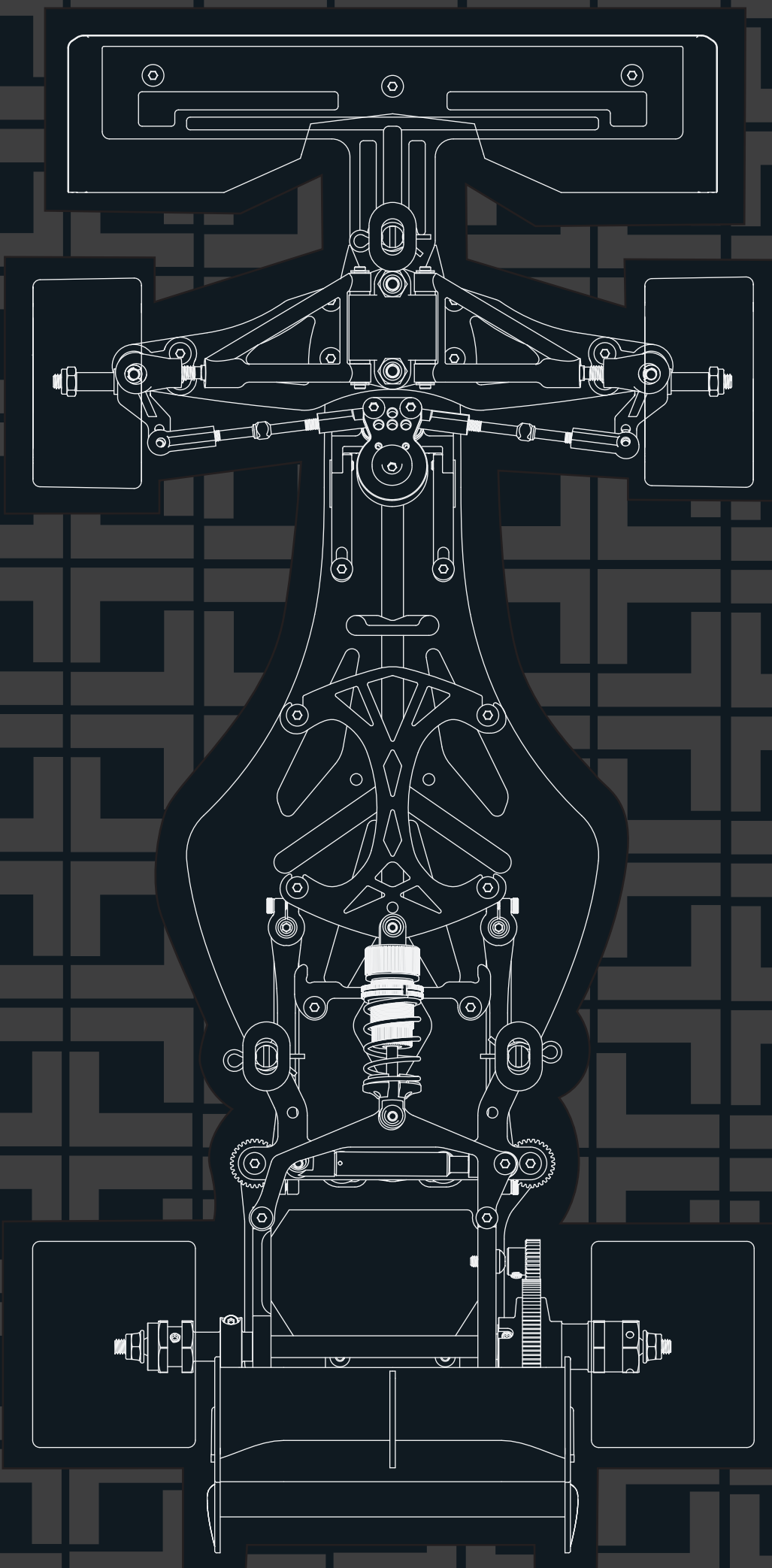


TEMBAXOX



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

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 of 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

Teamsaxo 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 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

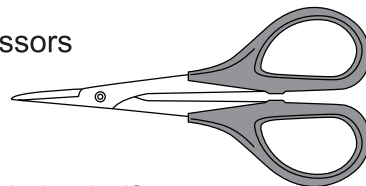
1. Place the R/C car on a stand so the wheels are off the ground.
2. Confirm that the speed controller switch is OFF, and connect the motor and battery.
3. Extend the transmitter antenna and turn the switch ON. (It is unsafe to use a transmitter with low voltage. Make sure that the transmitter batteries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

ASSEMBLING TOOLS REQUIRED (NOT INCLUDED IN KIT)

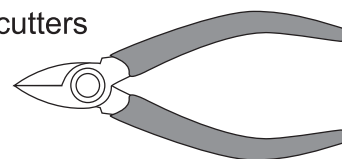
Scissors



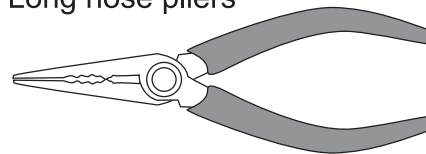
Modeling knife



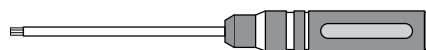
Side cutters



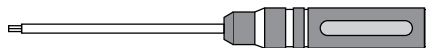
Long nose pliers



Hex wrench (1.5mm)



Hex wrench (2mm)



Tweezers



F1 CHASSIS SPECIFICATION

Overall Length	:420mm	Overall Width Front width	:185-200mm
Wheelbase length	:266mm	Rear width	:185-200mm
Weigh Chassis only	:405g(F1-200) / 380g(F1-180)		

Cap

	M2×6	SJG206
	M3×6	SJG306
	M3×8	SJG308
	M3×10	SJG310
	M4×10	SJG410
	M4×30	SJG430

Cap screw

	M2×6	SG206
	M2.5×6	SG2.56

Screw

	M2×4	SIG204
	M2.5×4	SIG2.54
	M3×6	SIG306
	M3×8	SIG308
	M3×10	SIG310
	M3×16	SIG316

Grub screw

	M3×3	SK303
	M3×10	SK310

E-Ring

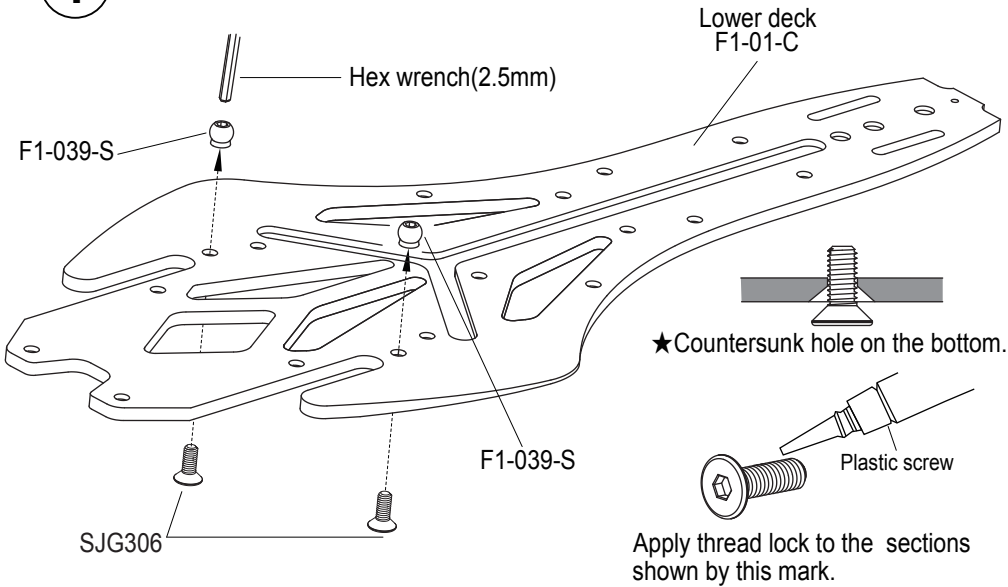
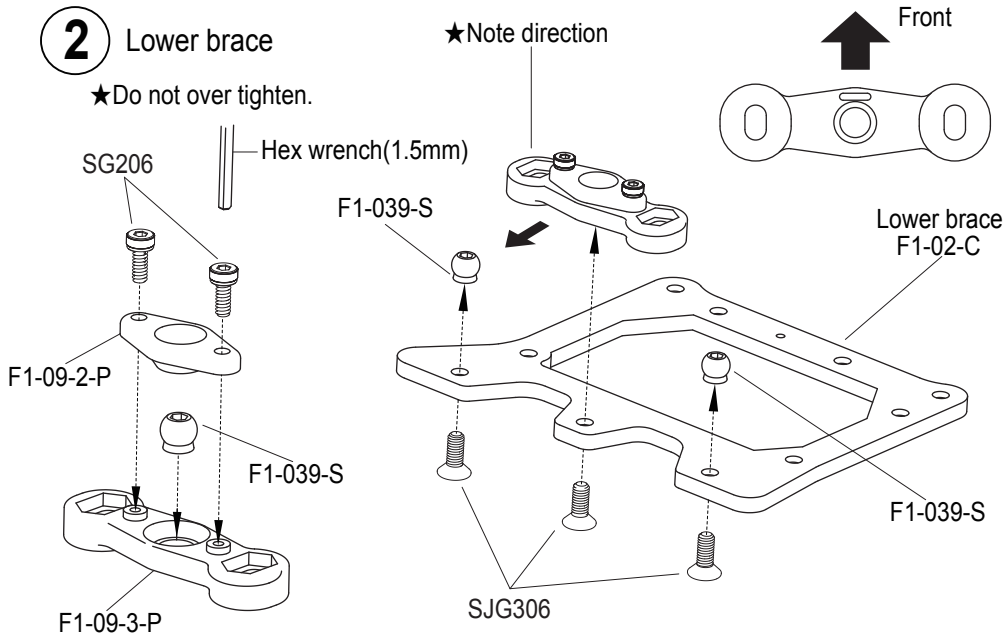
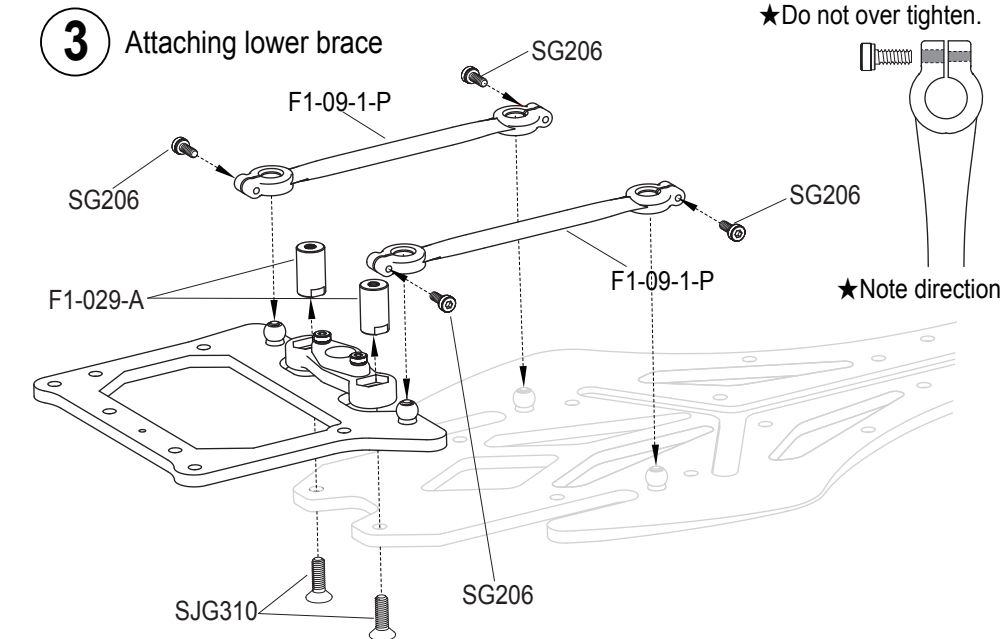
	E-Ring 2.0	OE-E2.0
--	------------	---------

Lock nut

	M4	SN-M4-F
	M4	SN-M4
	M3	SN-M3

Ball bearing

	6×10×3	MR106
	5×11×4	MR115-2RS
	8×12×3.5	MR128-2RS
	5×10×4	MR105

A BAG ① ~ ③ Kit Bag A  SJG306 ×2  F1-039-S ×2	1 Lower deck  Lower deck F1-01-C Hex wrench(2.5mm) F1-039-S SJG306 F1-039-S ★Countersunk hole on the bottom. Plastic screw Apply thread lock to the sections shown by this mark.
 SJG306 ×3  SG206 ×2  F1-039-S ×3	2 Lower brace  ★Do not over tighten. SG206 Hex wrench(1.5mm) F1-039-S F1-09-2-P F1-039-S F1-09-3-P SJG306 ★Note direction Front Lower brace F1-02-C F1-039-S
 SG206 ×4  SJG310 ×2  F1-029-A ×2	3 Attaching lower brace  ★Do not over tighten. SG206 F1-09-1-P SG206 F1-029-A SJG310 SG206 ★Note direction

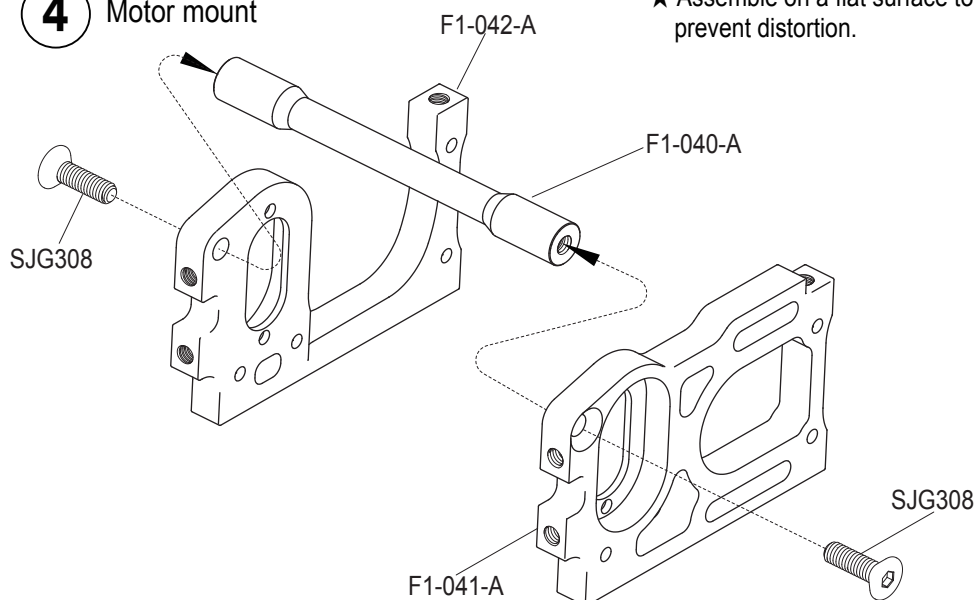


④ ~ ⑤
Kit Bag B

 SJG308 ×2

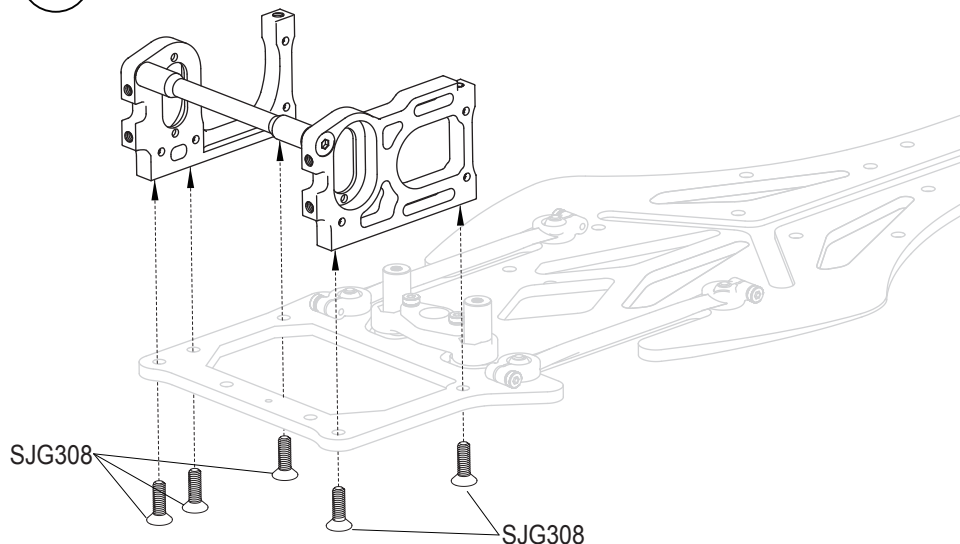
④ Motor mount

★ Assemble on a flat surface to prevent distortion.

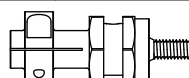


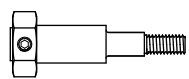
 SJG308 ×5

⑤ Attaching motor mount



⑥ ~ ⑧
Kit Bag C

 ×1
F1-002-A

 ×1
F1-004-A

 ×2
SK303

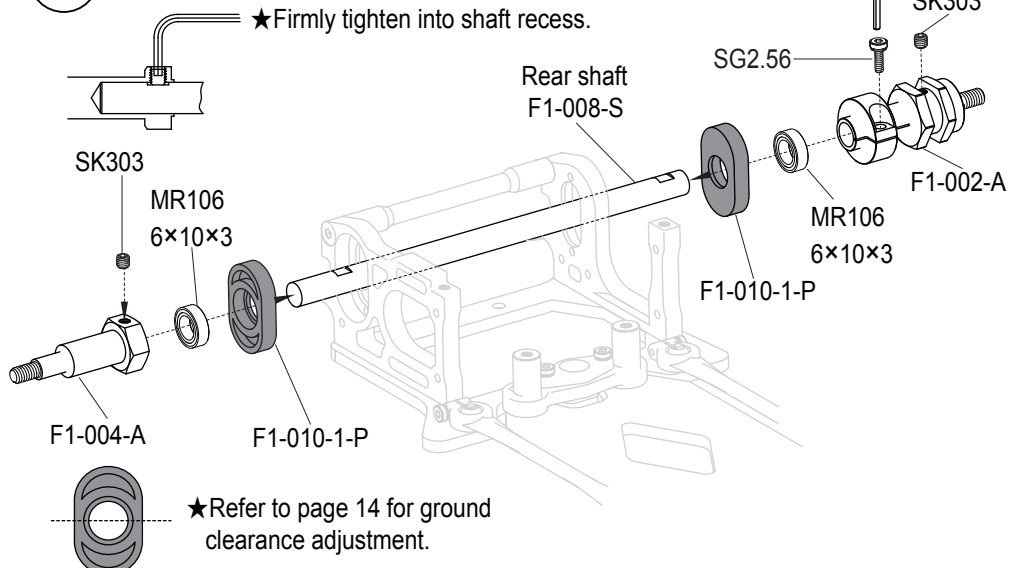
 ×1
SG2.56

 ×2
MR106 6×10×3

⑥ Attaching rear shaft

★ Firmly tighten into shaft recess.

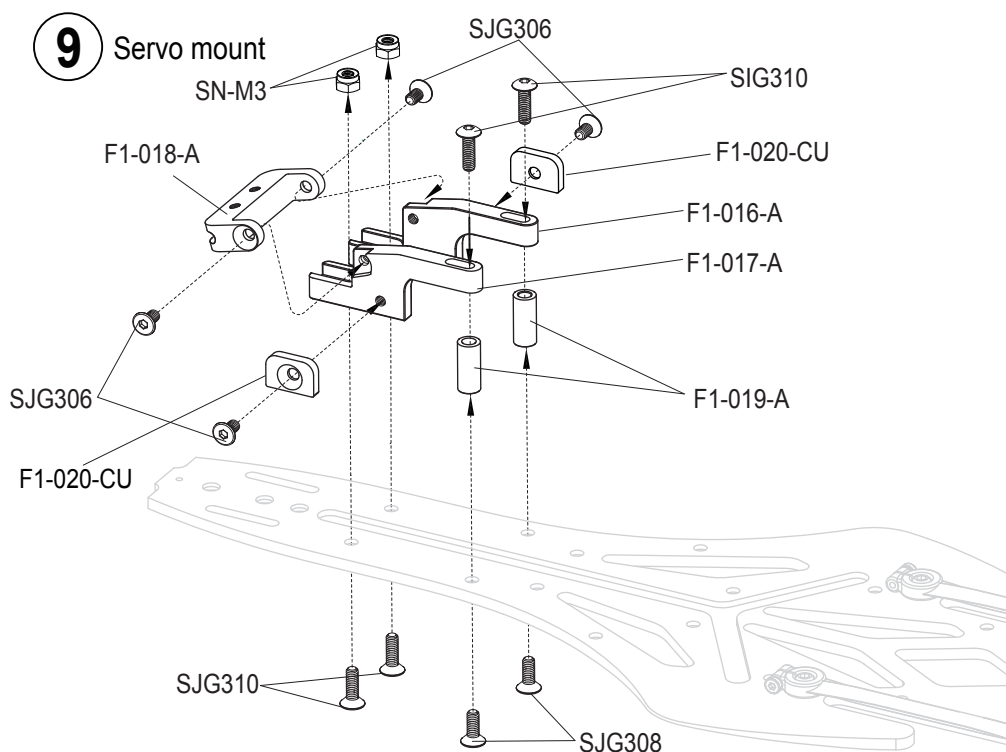
Hex wrench(2mm)  SK303
SG2.56  F1-002-A
MR106 6×10×3 





⑨ Kit Bag D

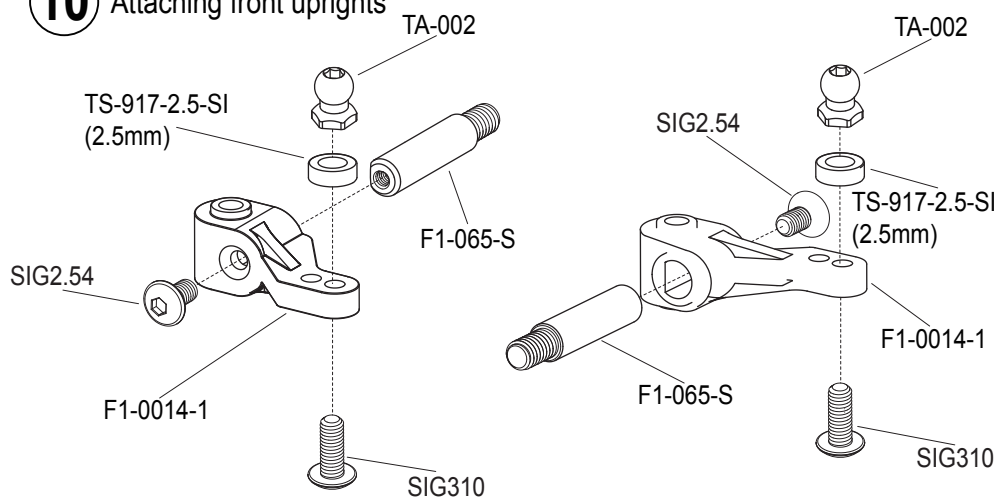
	×2
	×4
	×2
	×2
	×2
	×2
	×2



⑩~⑮ Kit Bag E

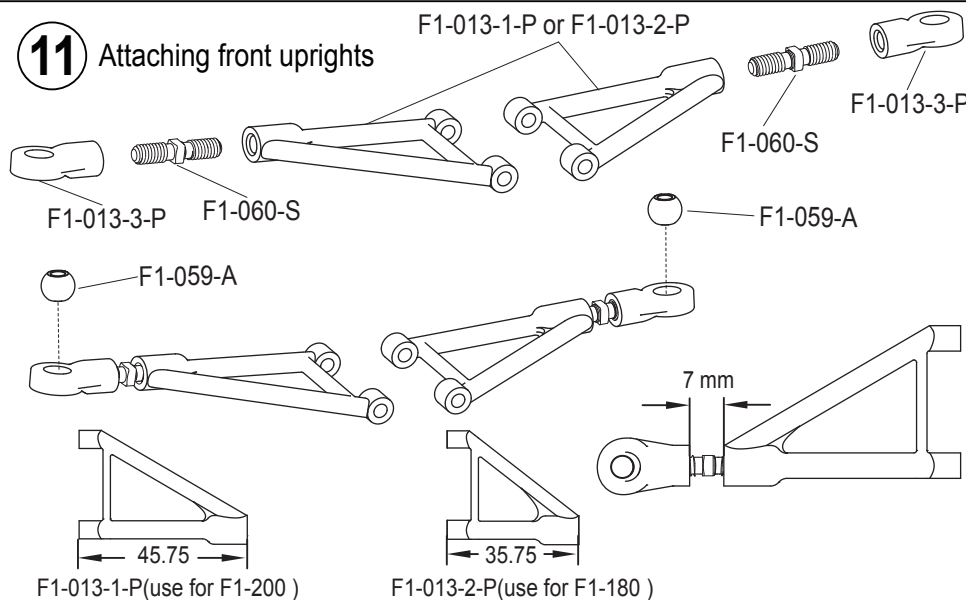
	×2
	×2
	×2
	×2
	×2
	×2

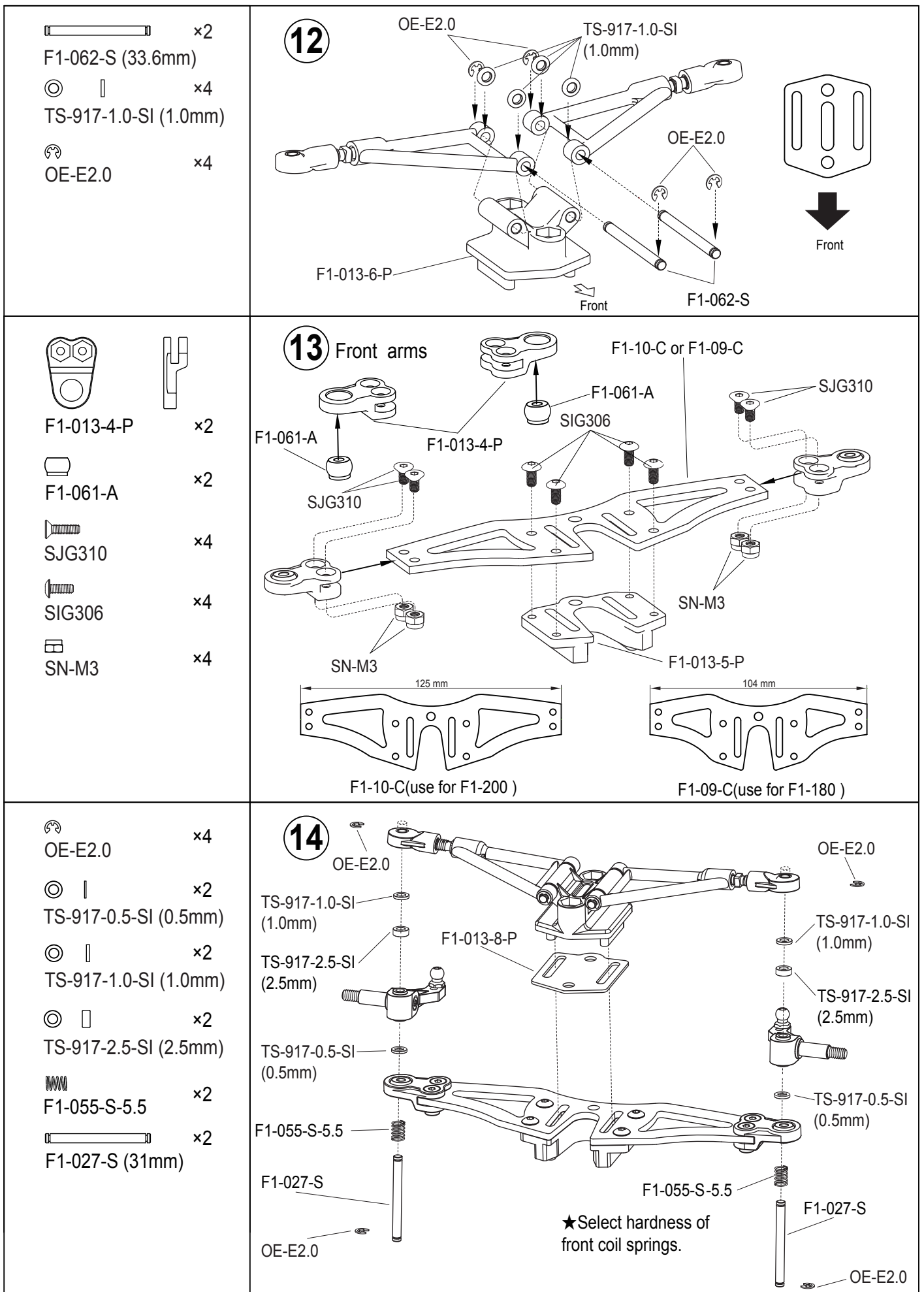
⑩ Attaching front uprights



	×2
	×2
	×2

⑪ Attaching front uprights

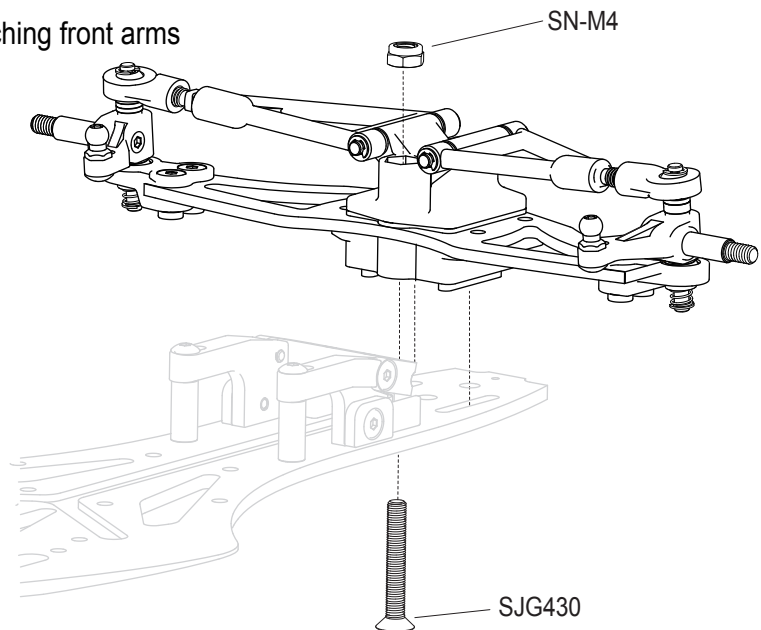




 x1
 SJG430

  x1
 SN-M4

15 Attaching front arms

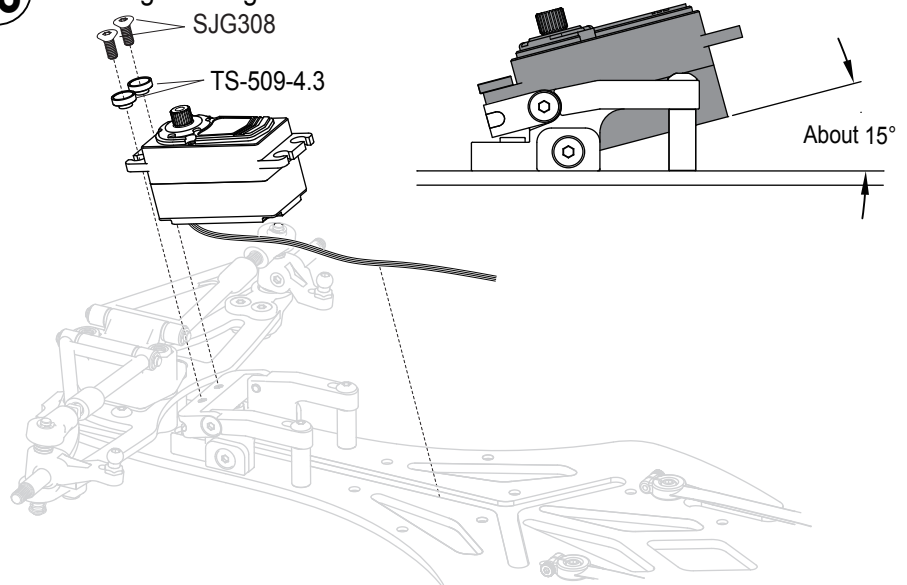


①⑥ ~ ①⑧
 Kit Bag F

 x2
 SJG308

  x2
 TS-509-4.3

16 Attaching steering servo

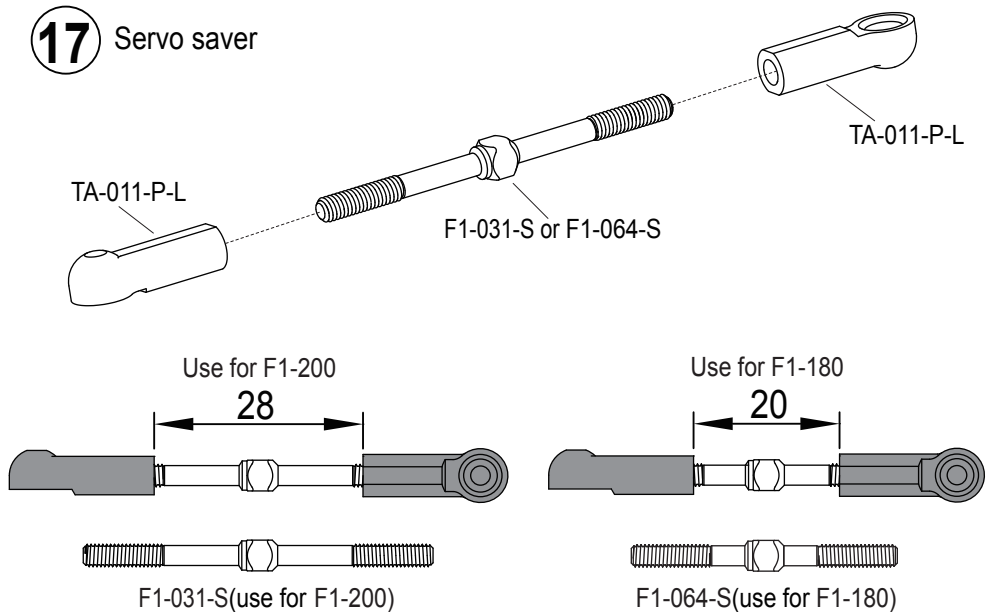


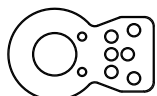
 x2
 F1-031-S
 (Use for F1-200)

 x2
 F1-064-S
 (Use for F1-180)

 x4
 TA-011-P-L

17 Servo saver





TA-009

×2



TA-002

×2



SIG306

×2



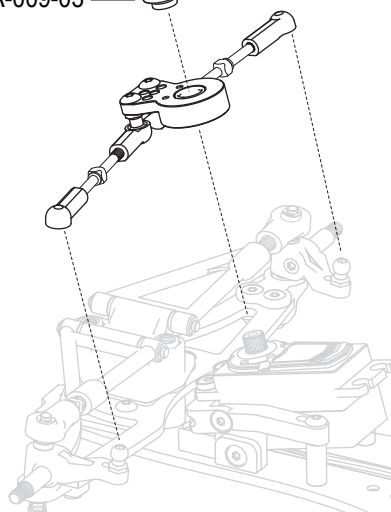
SIG308

×1

18

SIG308

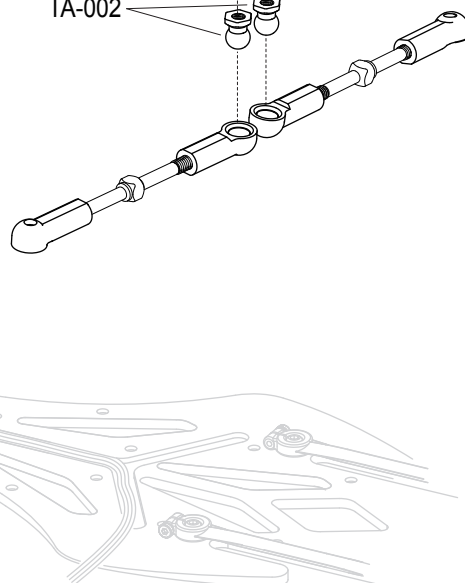
TA-009-03



TA-009

SIG306

TA-002



19~25

Kit Bag G



SIG310

×4



SJG306

×1



F1-09-5-P

×2



TA-002

×1



F1-03-4-P

×2



F1-049-S-5.5

×2

19

Body mount plate

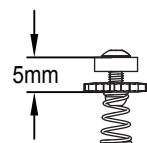
F1-03-4-P

SIG310

F1-03-C

F1-09-5-P

F1-049-S-5.5



★Attach as shown.

TA-002

SIG310

F1-03-4-P

F1-03-4-P

SJG306

F1-09-5-P

F1-049-S-5.5

SIG310

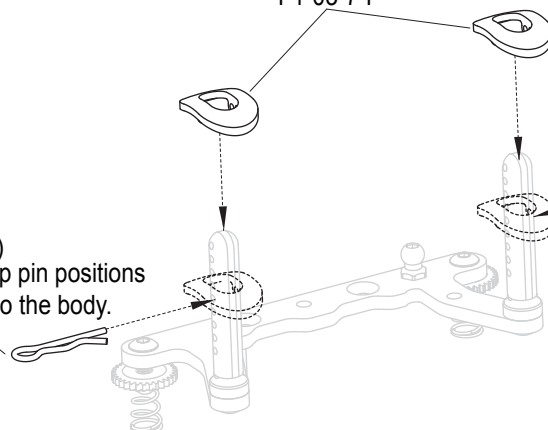
SIG310

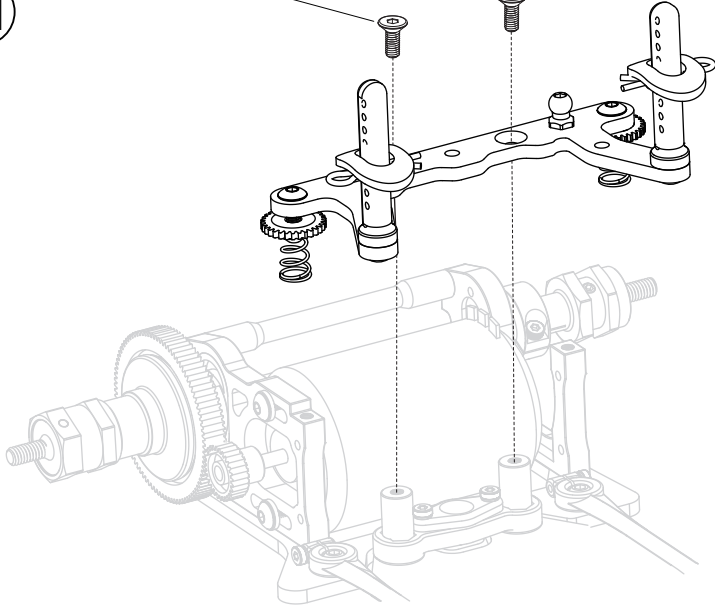
20

F1-03-7-P

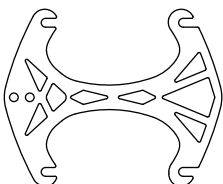
TS-P034(R6)

TS-P034(R6)
★Adjust snap pin positions
according to the body.

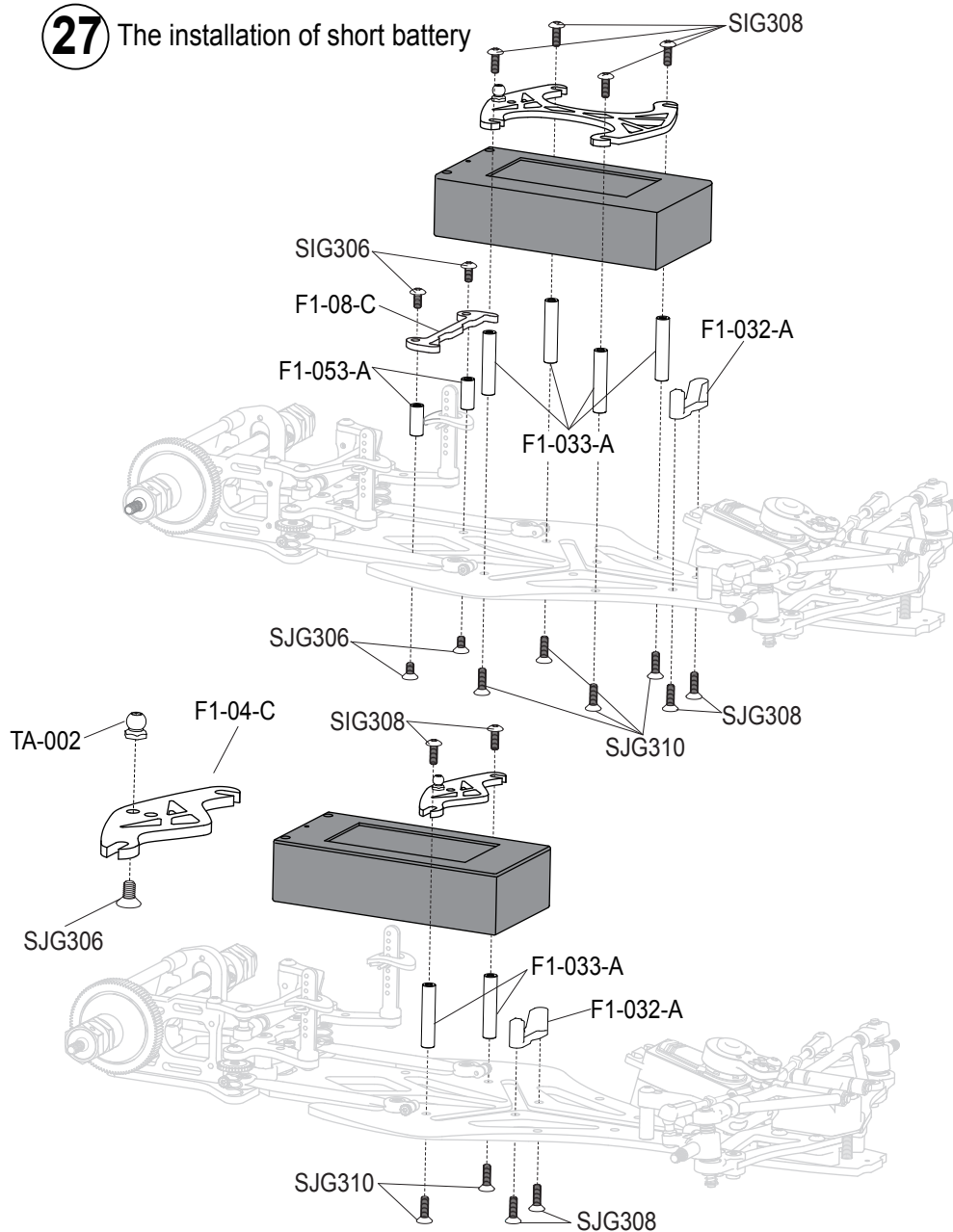


SJG308 ×2	21 SJG308 
TA-010-13 ×1 TA-010-8 ×1 TA-010-7 ×1 TA-010-1 ×1 OE-E2.0 ×2 TA-010-12 ×1	22 Damper assembly 1 TA-010-12 Spring retainer TA-010-3 TA-010-5 Damper cylinder ★ Disassemble. ★ Be careful not to damage piston rod. ★ Snap on
TA-010-11 ×1	23 Damper oil 1. Pull down piston and pour oil into cylinder. Remove air bubbles by slowly moving piston up and down. 2. Pull down piston, attach oil seal and absorb oil overflow with tissue paper. 3. Tighten cylinder cap. ★ Move slowly. ★ Incline cover Cylinder Cap TA-010-4 TA-010-9

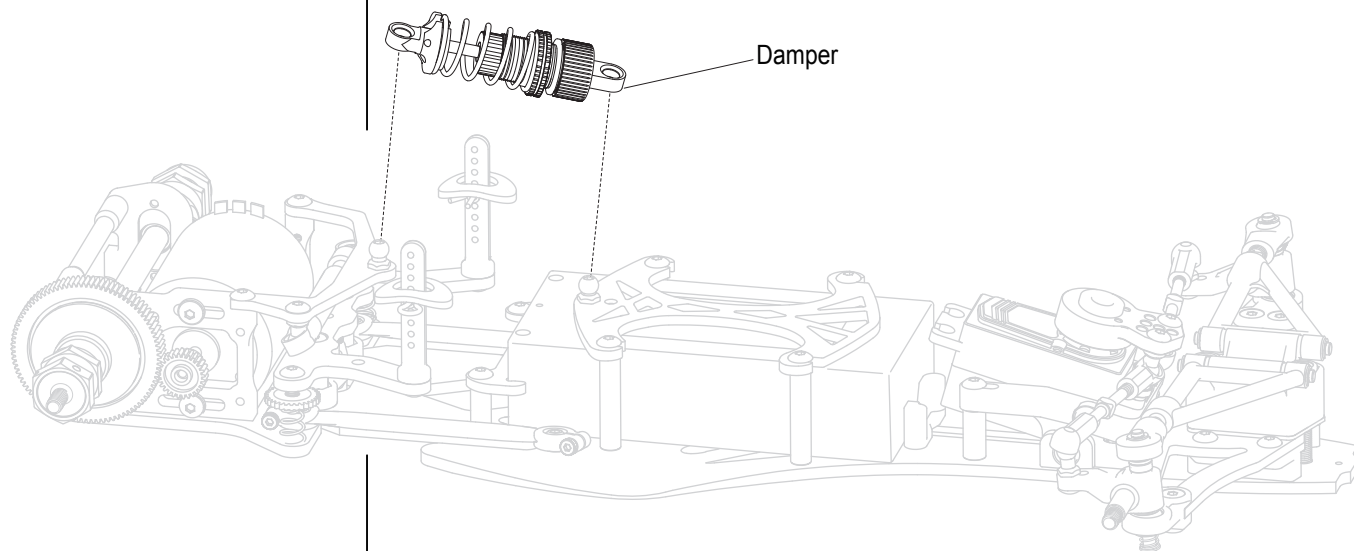
TA-011-P-S x2 F1-046-P x1 F1-038-A x1 SK310 x1 F1-054-S-6 x1	24 Damper assembly 2 ★Select damper spring according to running surface condition.
SIG306 x3 SJG308 x1 TA-002 x2 TS-917-2.5-SI (2.5mm) x1	25
(26~29) Kit Bag H F1-033-A x4 F1-053-A x2 F1-032-A x1 SJG310 x4 SJG308 x2 SIG306 x2 SJG306 x2	26 The installation of long battery

-  TA-002 ×1
-  SJG306 ×1
-  SIG308 ×4
-  F1-04-C ×1
-  F1-05-C ×1

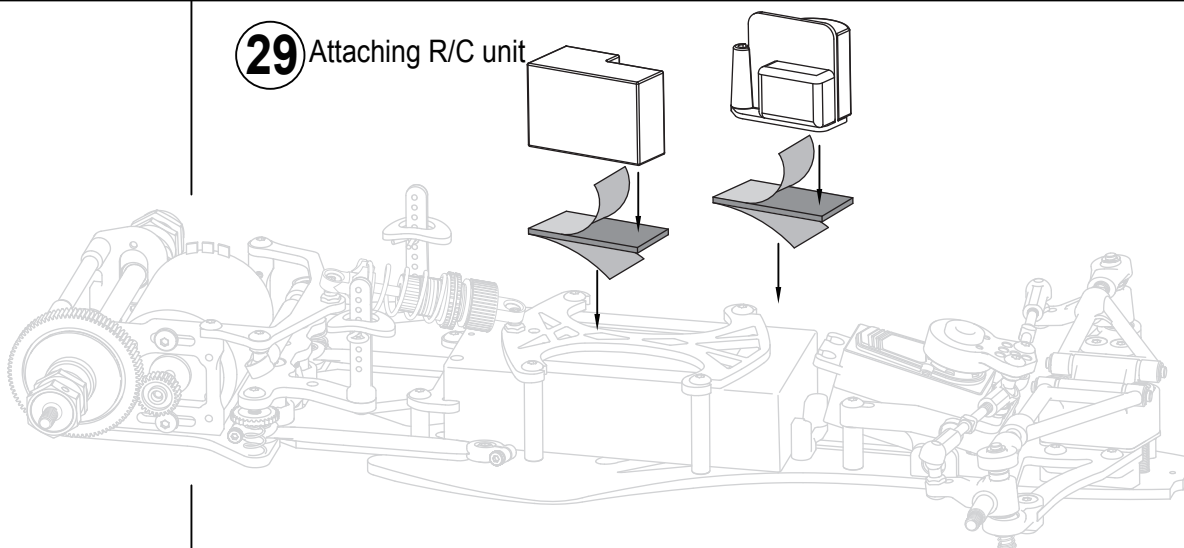
27 The installation of short battery



28 Attaching dampers



29 Attaching R/C unit



30 ~ 36 Kit Bag I



F1-043-A-6

×2



SN-M3

×2



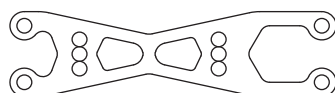
SIG316

×2



SJG206

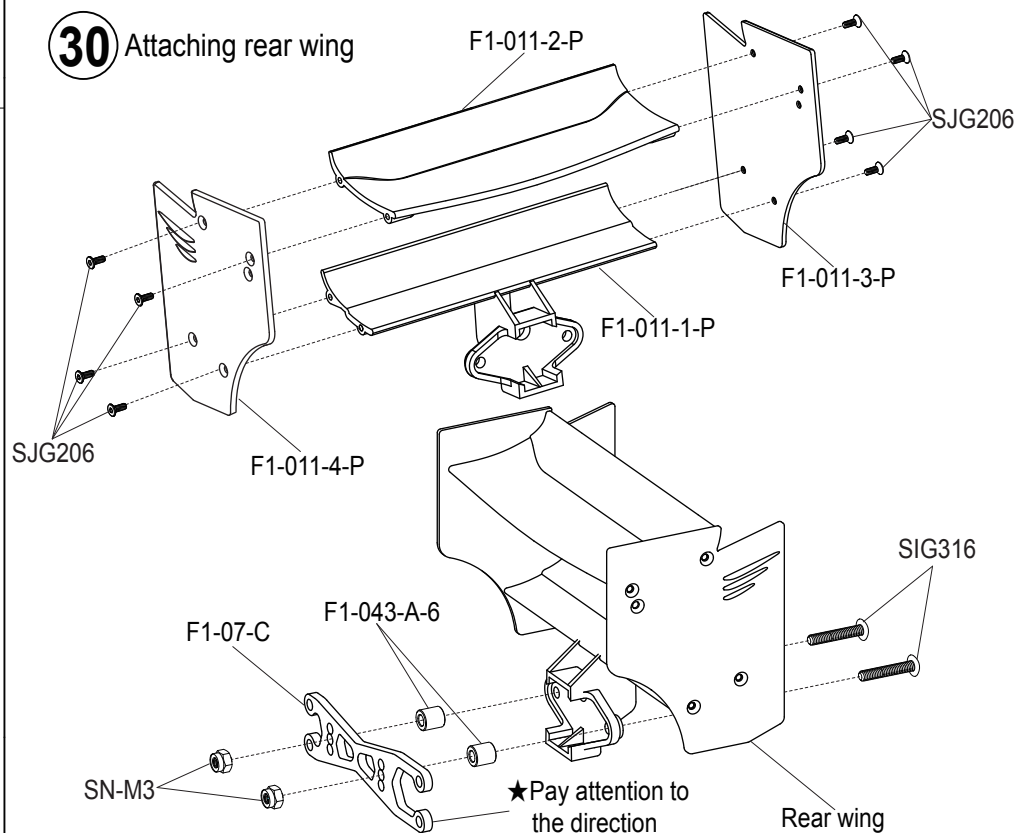
×8



F1-07-C

×1

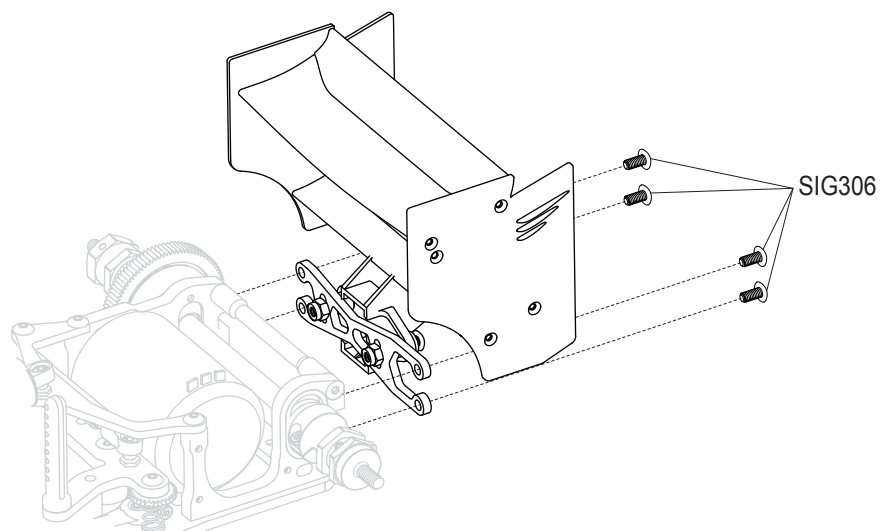
30 Attaching rear wing



SIG306

×4

31

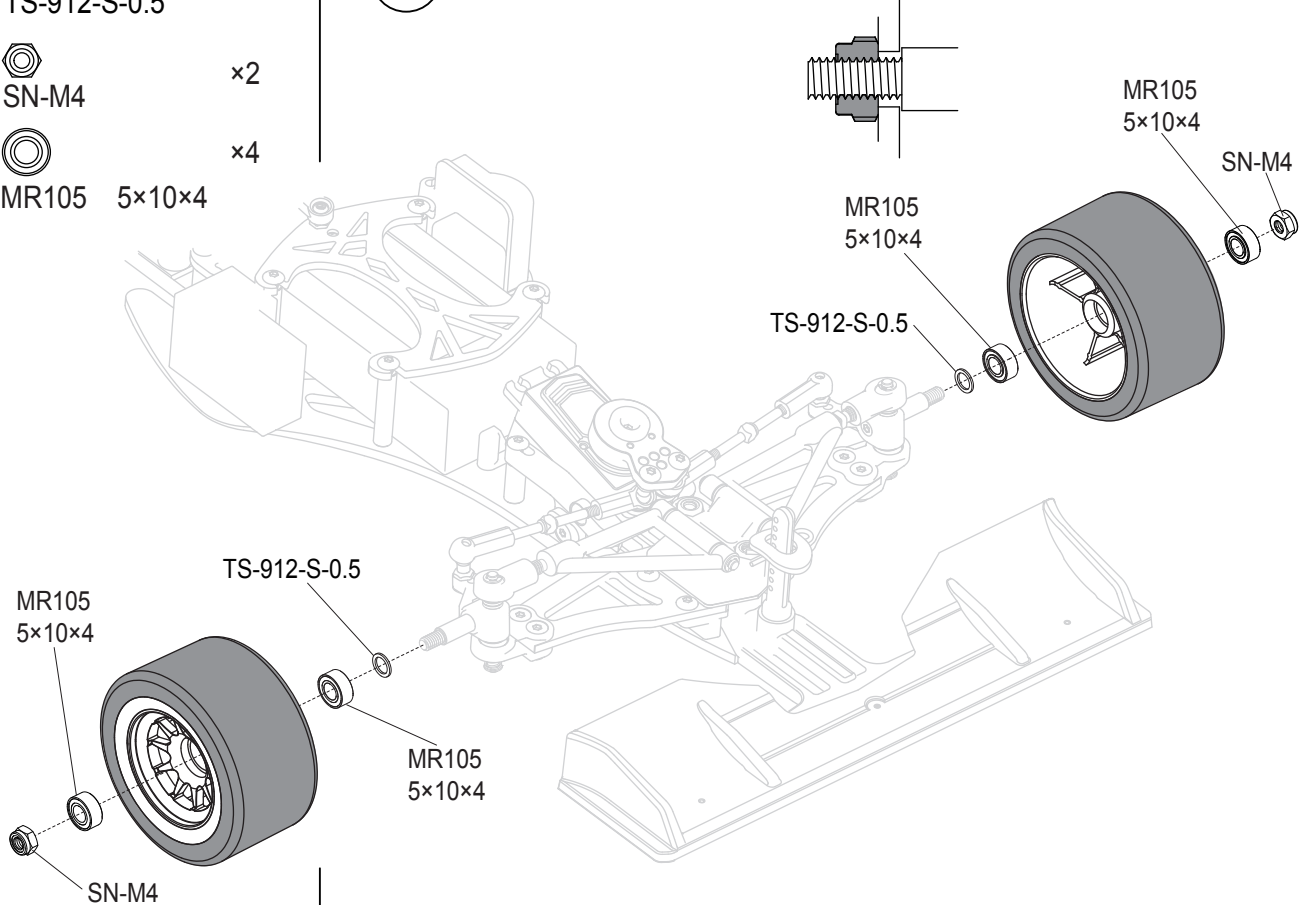


SJG310 ×2	32 Guide plate
SIG308 ×1 F1-03-4-P ×1 TS-P034(R6) ×1 F1-03-7-P ×1 SIG204 ×3	33 Attaching front wing ★Adjust snap pin positions according to the body.
SJG430 ×1 SN-M4 ×1 SJG410 ×1	34

 ×2
 TS-912-S-0.5
 ×2
 SN-M4
 ×4
 MR105 5×10×4

35 Attaching wheels

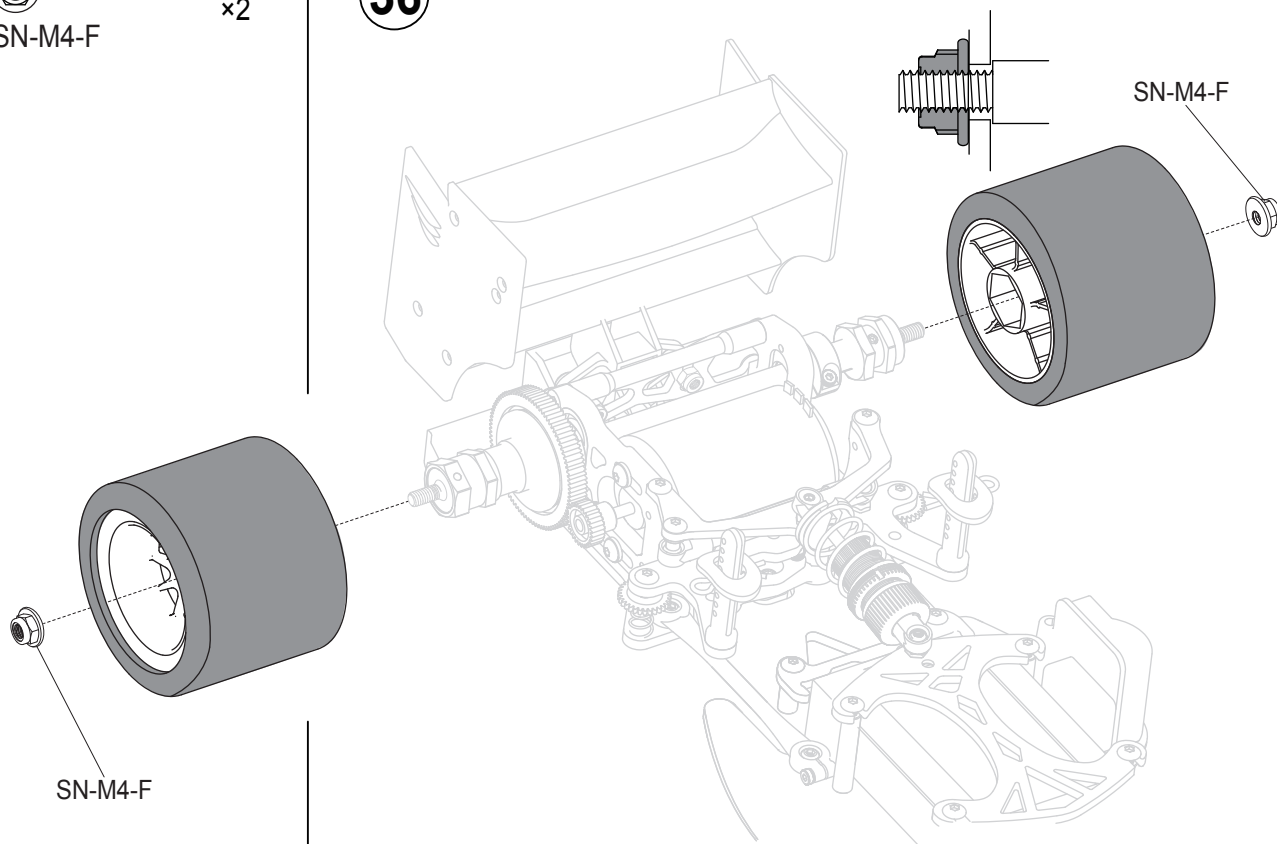
★Tighten up into nylon portion.



 ×2
 SN-M4-F

36

★Tighten up into nylon portion.



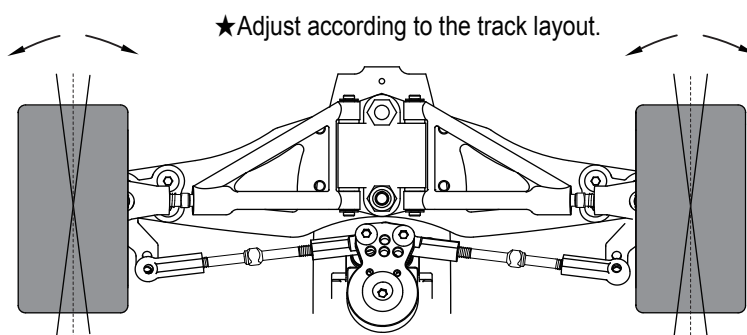
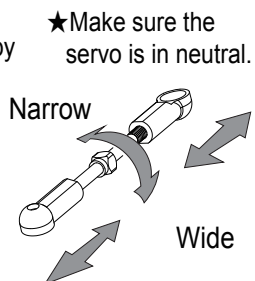
SETTING - UP

- Record various running conditions and settings on the setting sheet on page 16.

TOE-IN AND TOE-OUT

Toe-in and toe-out

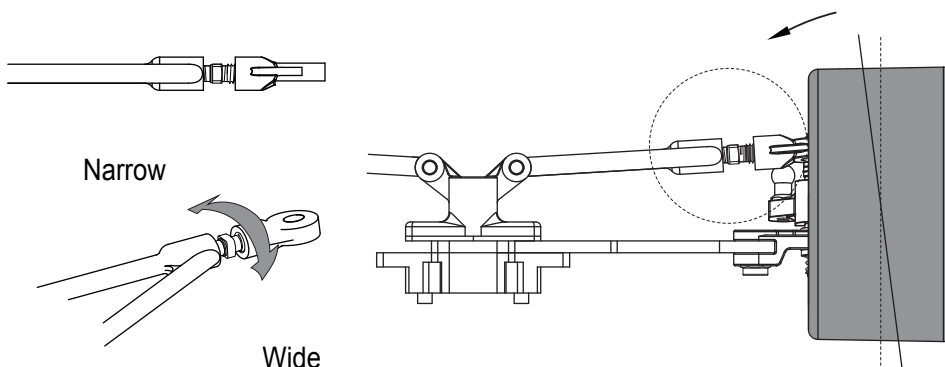
- ★ Adjust rod length by rotating adjuster.



CAMBER ANGLE

Camber angle

- ★ Adapt for the draw bar to adjust camber angle.

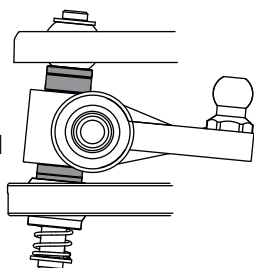


GROUND CLEARANCE

- ★ Ground clearance can be altered according to wheel diameter, etc.

Front

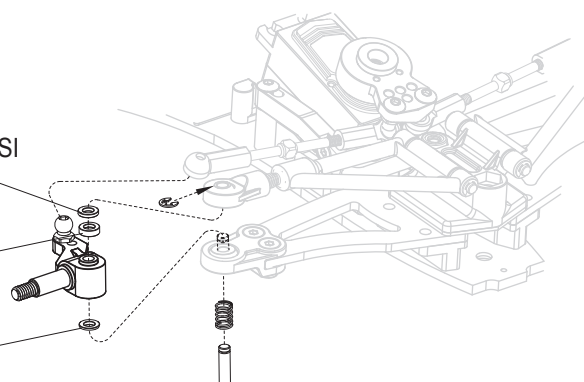
- ★ Adjust by altering TS-917 -1.0-SI, TS-917-2.5-SI, and TS-917-0.5-SI positions.



TS-917-1.0-SI
(1.0mm)

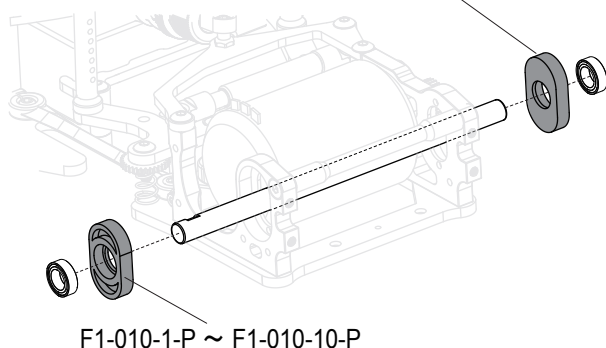
TS-917-2.5-SI
(2.5mm)

TS-917-0.5-SI
(0.5mm)



Rear

F1-010-1-P ~ F1-010-10-P



F1-010-1-P

F1-010-2-P

F1-010-3-P

F1-010-4-P

F1-010-5-P



F1-010-6-P

F1-010-7-P

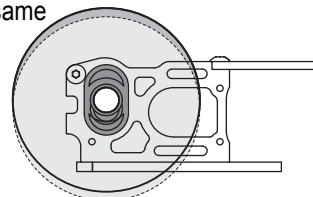
F1-010-8-P

F1-010-9-P

F1-010-10-P



- ★ Use spacers of the same offset for the right and left, and make sure the shaft is horizontal.



GEAR RATIO

★Refer to the diagrams for selecting gears.

104T Spur gear

Pinion gear	Gear ratio	26T	4.00:1
		27T	3.85:1
20T	5.20:1	※28T	3.71:1
21T	4.95:1	※29T	3.58:1
22T	4.72:1	※30T	3.46:1
23T	4.52:1	※31T	3.35:1
24T	4.33:1	※32T	3.25:1
25T	4.16:1	※33T	3.15:1

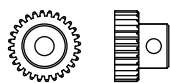
92T Spur gear

Pinion gear	Gear ratio	26T	3.53:1
		27T	3.40:1
20T	4.60:1	28T	3.28:1
21T	4.38:1	29T	3.17:1
22T	4.18:1	30T	3.06:1
23T	4:1	31T	2.96:1
24T	3.83:1	32T	2.87:1
25T	3.68:1	33T	2.78:1

※28T and 33T pinion gears may not be installed depending on rear shaft position.

Formula

$$\left(\frac{\text{Spur gear teeth}}{\text{Pinion gear teeth}} \right) : 1$$



Pinion gear

DAMPER SETTING

□Pitch damper setting

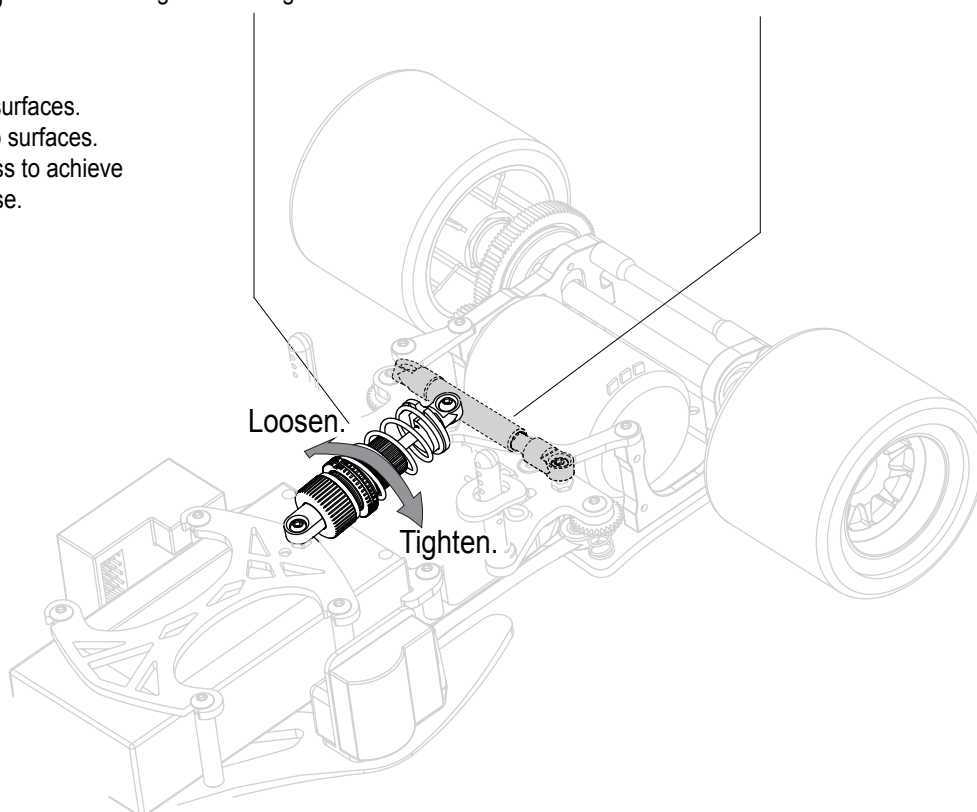
Use softer oil and spring for rough or low-grip surfaces. Use harder oil and spring for flat, high-grip surfaces.

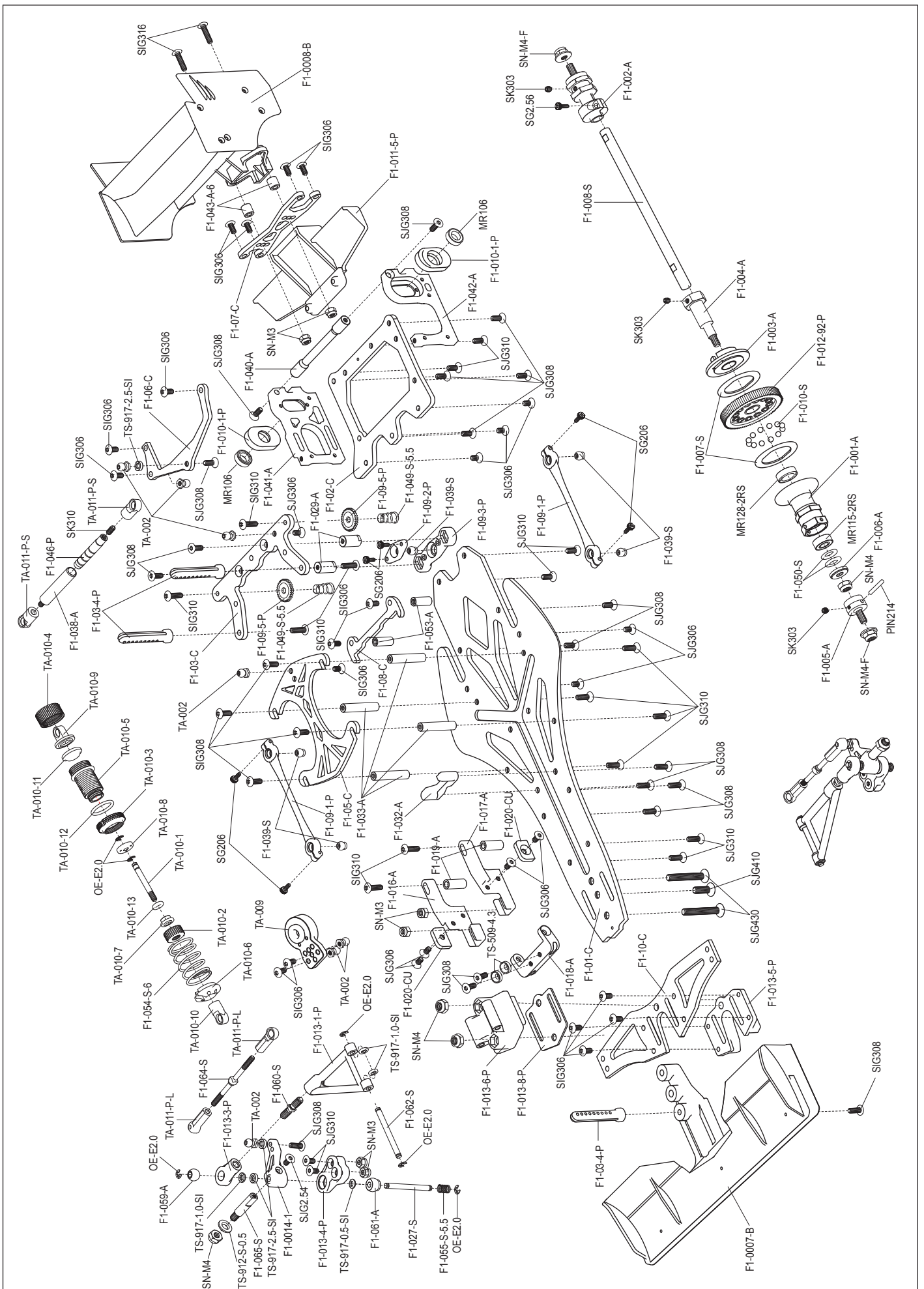
★Rotate spring retainer for fine tension adjustment. change coil spring for greater changes in hardness.

★Use different viscosities of oil to adjust damper hardness.

□Roll damper setting

Use softer oil for low-grip surfaces. Use harder oil for high-grip surfaces. Adjust roll damper hardness to achieve optimized steering response.





NOTE:

VA PON INDUSTRIAL CO.,LTD

<http://www.saxoracing.com>

E-mail:saxo@saxoracing.com

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Ver 1.00

