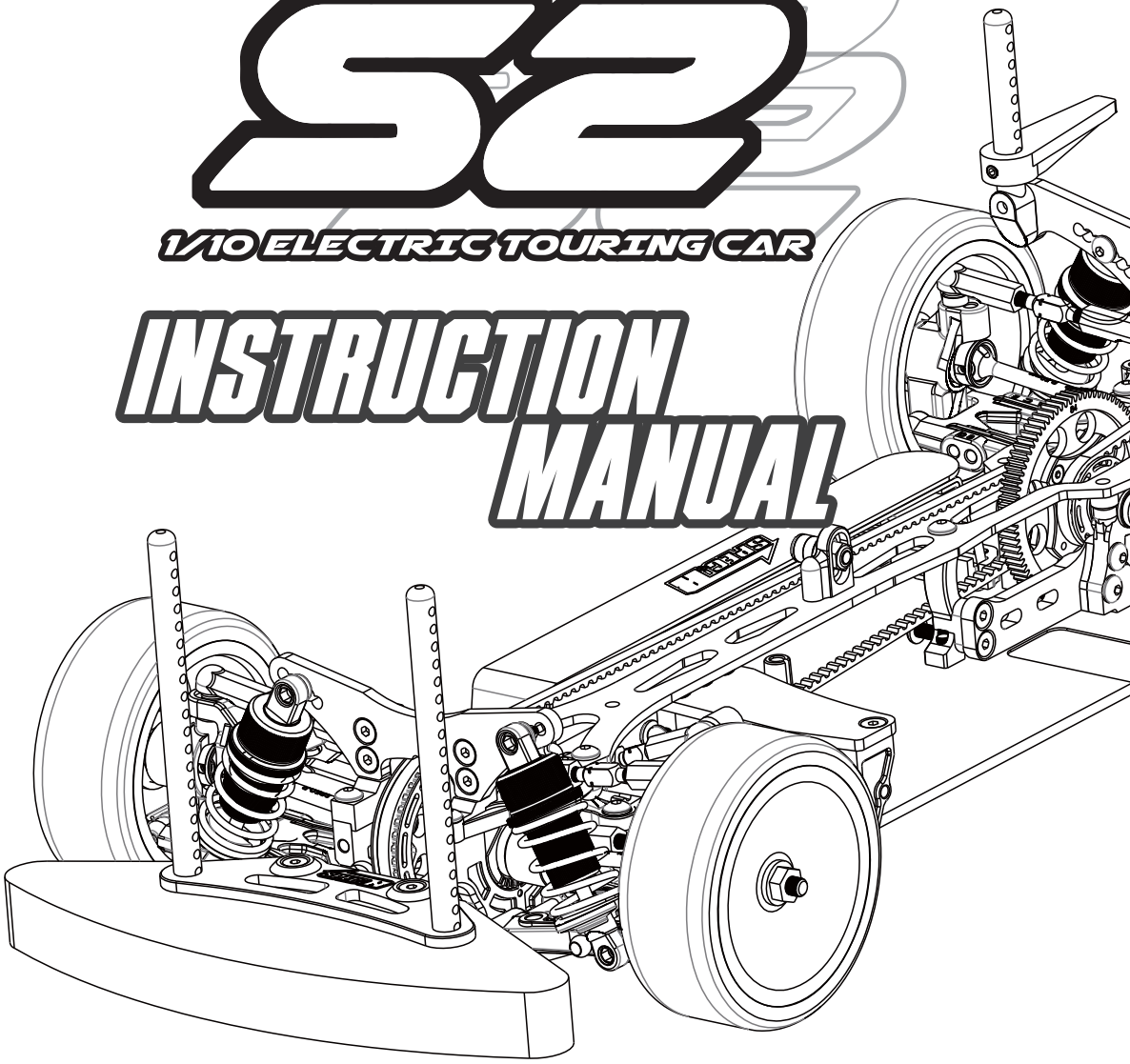
SPEC R

S2

1/10 ELECTRIC TOURING CAR

INSTRUCTION MANUAL



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4.Front Spool Assembly	3	19.Rear Suspension Installation	11	33.R/C Unit Installation	18
5.Gear Differential Assembly	4	20.Upper Arm and Steering Rod	12	34.Motor Installation	18
6.Drive Train Installation	5	Assembly	12	35.Battery Holder Installation	19
7.Front Shock Mount	5	21.Upper Arm Installation	13	36.Battery Installation	19
8.Rear Shock Mount	6	22.Steering Rod Installation	13	37.Body Installation	20
9.Steering Crank Assembly	6	23.Shock Parts Assembly	14	Gear Ratio	20
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11.Front Suspension Arm Assembly	7	25.Front Shock Installation	14		
12.Front Suspension Installation	8	26.Rear Shock Installation	15		
13.Rear Suspension Arm Assembly	8	27.Front Body Mount Installation	15		
14.Rear Suspension Installation	9	28.Bumper Installation			

Symbols Used

Part Bags Need



Assemble Left and Right sides the same way



Pay attention here



Apply Thread Lock



(Not Included)

Apply CA glue



(Not Included)

Apply Silicone Oil

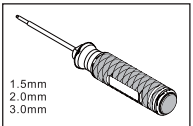


Apply grease



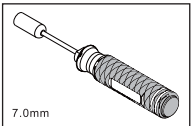
(Not Included)

Tools Required



Hex wrench

(Not Included)



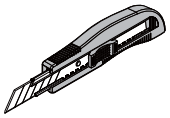
Hex wrench

(Not Included)



Pliers

(Not Included)



Modeling Knife

(Not Included)



Reamer

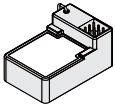
(Not Included)

Equipment Required



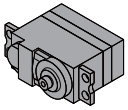
Transmitter

(Not Included)



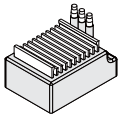
Receiver

(Not Included)



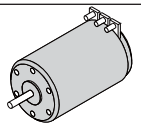
Steering Servo

(Not Included)



Speed Controller

(Not Included)



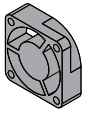
Electric Motor

(Not Included)



Pinion Gear

(Not Included)



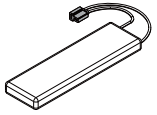
30mm Fan

(Not Included)



Body Shell

(Not Included)



Battery

(Not Included)

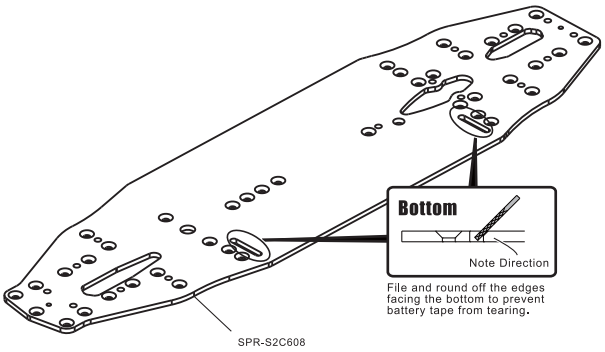


Tires & Inserts

(Not Included)

A Bag

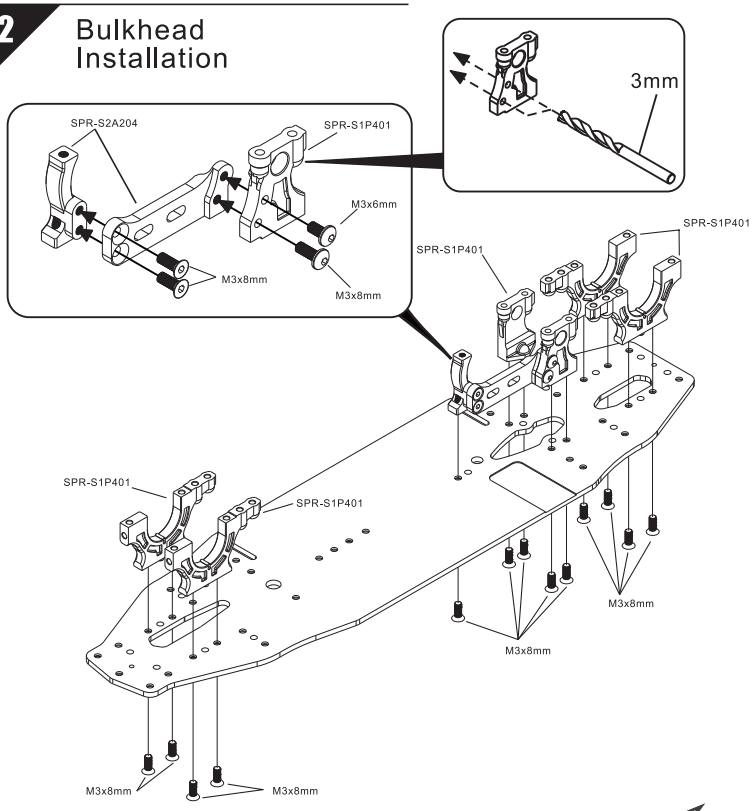
1 Filing the Edges of the Chassis



C Bag + J Bag

M Bag

2 Bulkhead Installation



x15
FlatHeadScrew**M3x8mm**

x1
ButtonHeadScrew**M3x8mm**

x1
ButtonHeadScrew**M3x6mm**

C Bag + H Bag

M Bag

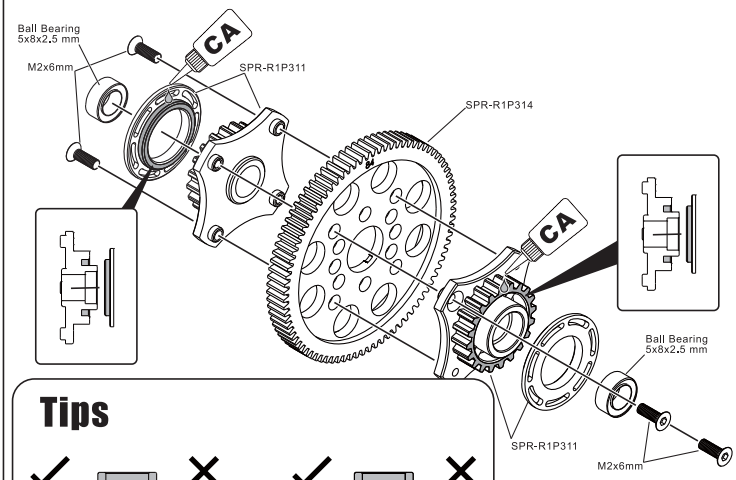
x4

FlatHeadScrew**M2x6mm**

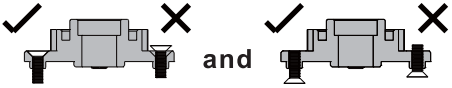
x2

BallBearing**5x8x2.5mm**

3 Spur Gear Assembly



Tips



and

Screws should be tightened properly as shown.

C Bag + D Bag

H Bag + M Bag

x2

FrontSpoolOutdriveAdapters

x2

FlatHeadScrew**M3x14mm**

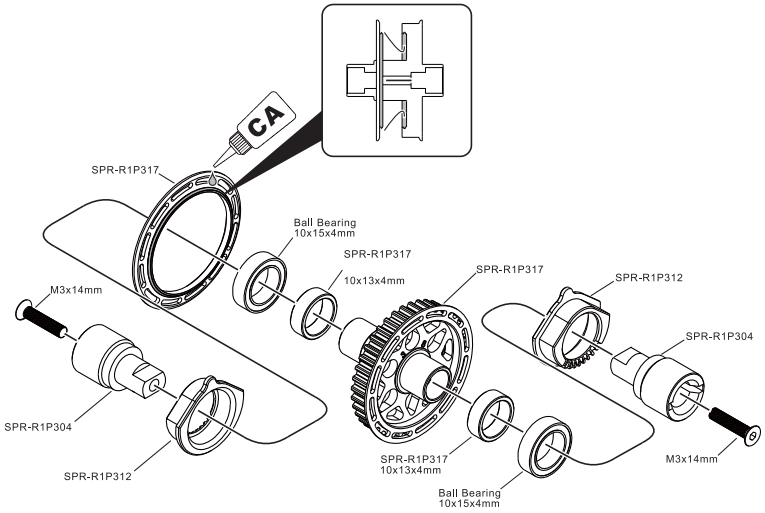
x2

BallBearing**10x15x4mm**

x2

PlasticCollar**10x13x4mm**

4 Front Spool Assembly



D Bag + G Bag

H Bag

x2 GearDiff.Joint

x4 FlatHeadScrew**M2.6x11mm**

x2 BevelGear

x4 SatelliteGear

x1 GearAxial

x2 Ball Bearing**10x15x4mm**

x2 O-Ring

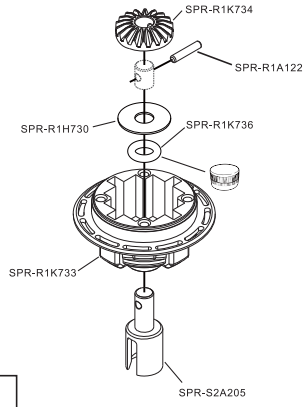
x4 Shim3**x11x0.2mm**

x2 Pin2**x10mm**

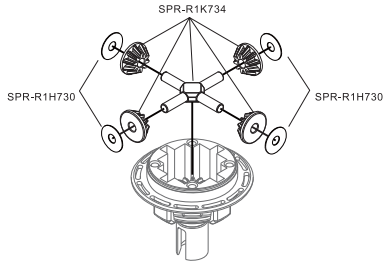
x2 Shim5**x14x0.5mm**

x1 O-ring**23x0.6mm**

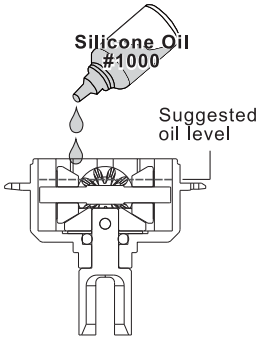
5 Gear Differential Assembly



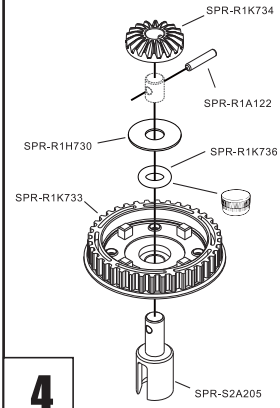
1



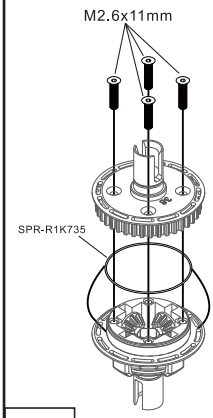
2



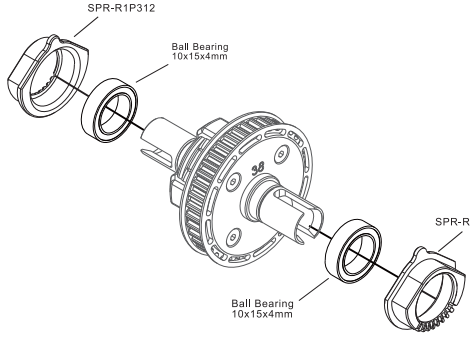
3



4



5



6

C Bag + F Bag

J Bag + M Bag

x1

FlatHeadScrew**M3x8mm**

x2

SpurGearshaftBushing

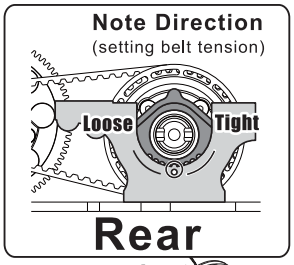
x1

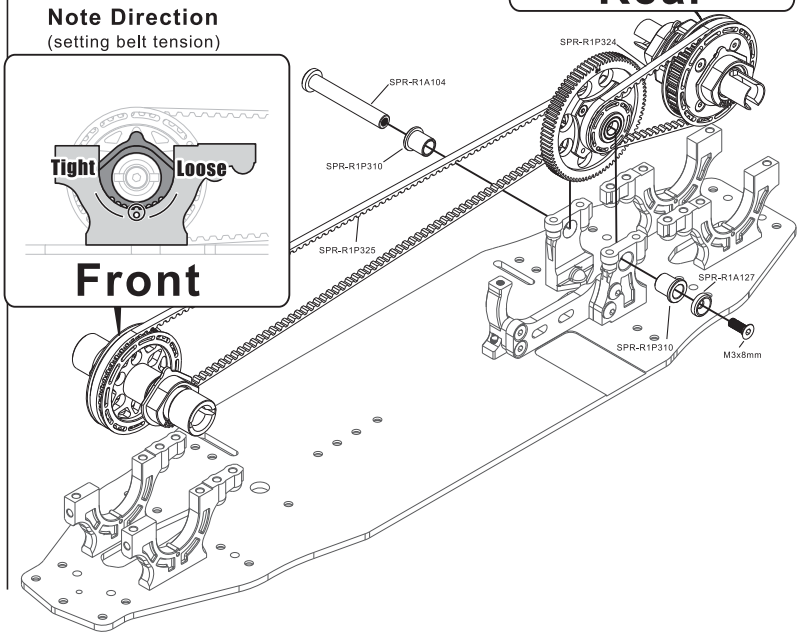
Alu.FlatHeadWasher**M3**

x1

SpurGearShaft**5x34mm**

6 Drive Train Installation





B Bag + C Bag

K Bag + M Bag

x4

ButtonHeadScrew**M3x8mm**

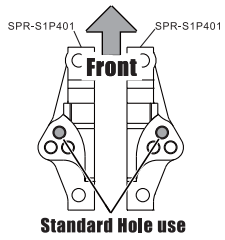
x2

FlatHeadScrew**M3x8mm**

x2

FlatHeadScrew**M3x6mm**

7 Front Shock Mount Assembly and Installation

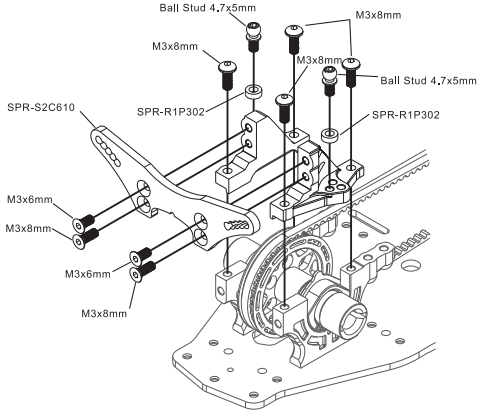


x2

Ball Stud 4.7x5mm

x2

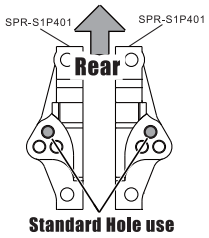
PlasticSpacer**3x5.5x2mm**

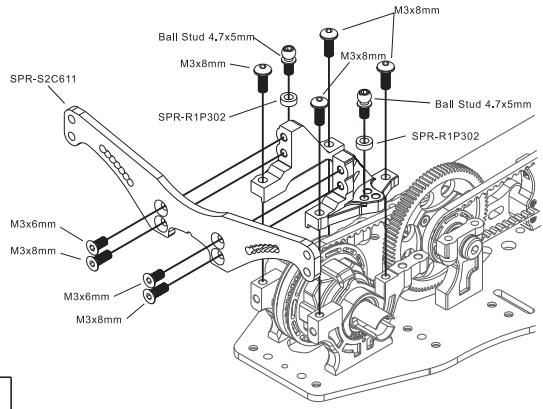


B Bag + C Bag

K Bag + M Bag

8 Rear Shock Mount Assembly and Installation





x4 ButtonHeadScrew**M3x8mm**

x2 FlatHeadScrew**M3x8mm**

x2 FlatHeadScrew**M3x6mm**

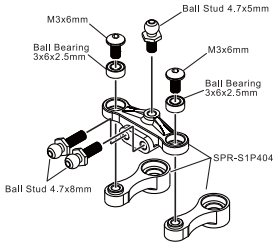
x2 Ball Stud**4.7x5mm**

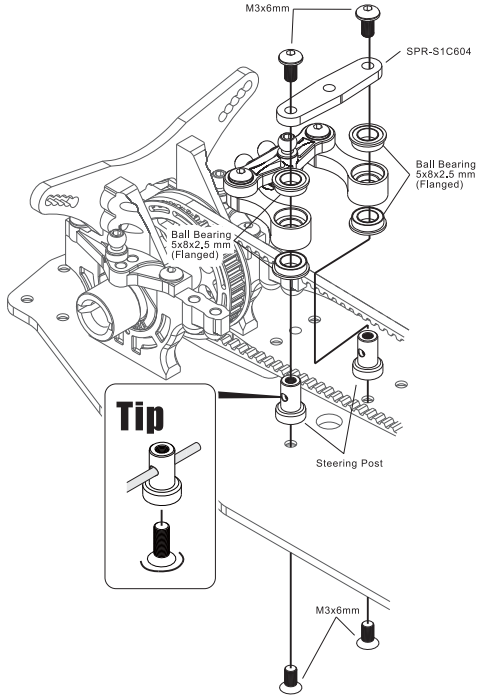
x2 PlasticSpacer**3x5.5x2mm**

B Bag + H Bag

K Bag + M Bag

9 Steering Crank Assembly





x4 ButtonHeadScrew**M3x6mm**

x2 FlatHeadScrew**M3x6mm**

x2 BallBearing**3x6x2.5mm**

x4 BallBearing**5x8x2.5mm** (Flanged)

x2 SteeringPost

x1 Ball Stud**4.7x5mm**

x2 Ball Stud**4.7x8mm**

A Bag + C Bag

H Bag + M Bag

x9

ButtonHeadScrew**M3x6mm**

x1

ButtonHeadScrew**M3x12mm**

x2

Ball**B**earing**3x6x2.5mm**

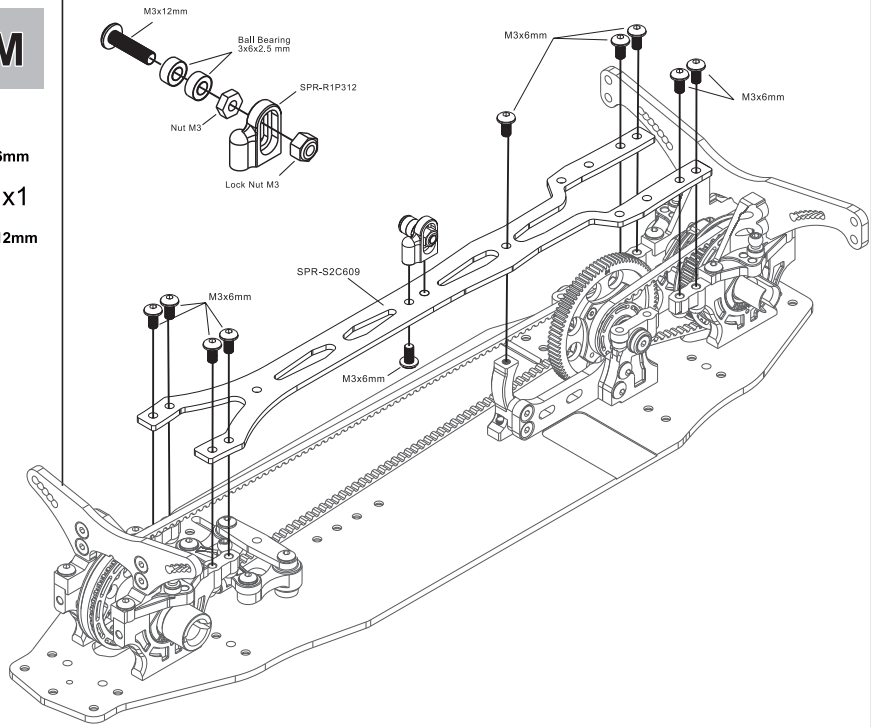
x1

LockNutM3

x1

NutM3

10 Upper Deck Installation



C Bag + K Bag

M Bag

x2

SetScrew**M4x8mm**

x4

PlasticPivotBa**ll3x5mm**

x2

PlasticSpacer**3x5x1mm**

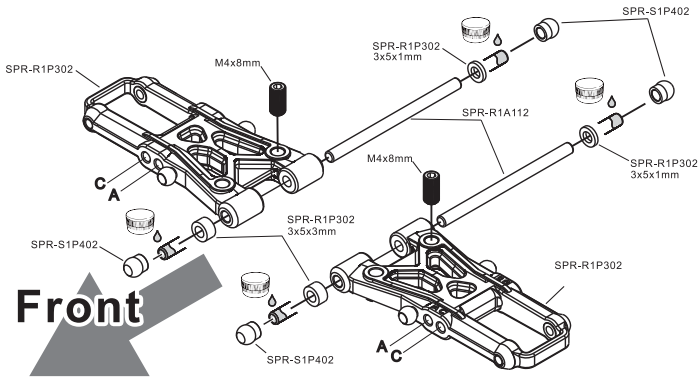
x2

PlasticSpacer**3x5x3mm**

x2

PivotPin**3x46mm**

11 Front Suspension Arm Assembly

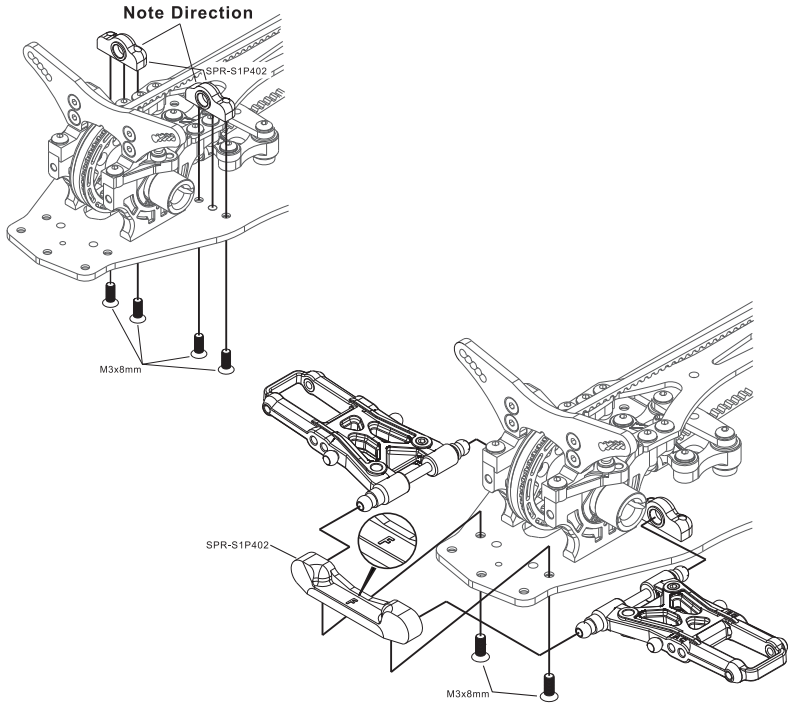


C Bag + M Bag

x6

FlatHeadScrew**M3x8mm**

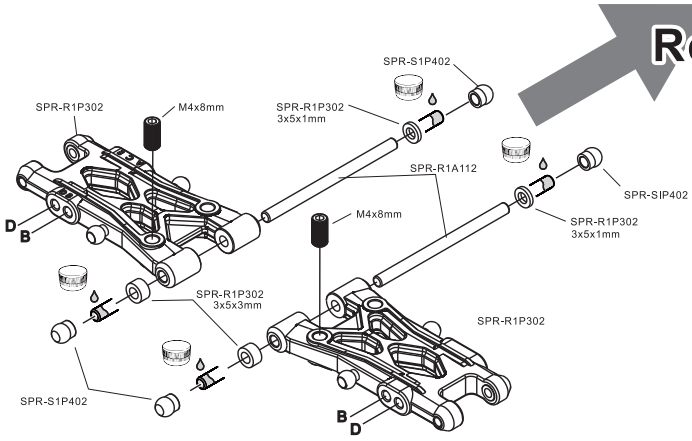
12 Front Suspension Installation



C Bag + K Bag

M Bag

13 Rear Suspension Arm Assembly



x2

SetScrew**M4x8mm**

x4

PlasticPivotBa**ll3x5mm**

x2

PlasticSpacer**3x5x1mm**

x2

PlasticSpacer**3x5x3mm**

x2

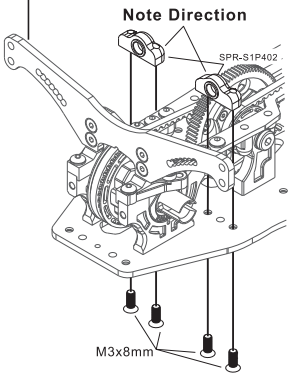
PivotPin**3x46mm**

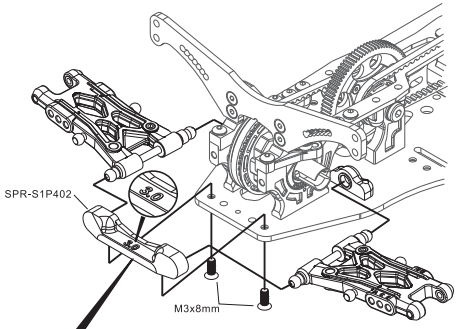
C Bag + M Bag

14 Rear Suspension Installation

x6

FlatHeadScrew**M3x8mm**



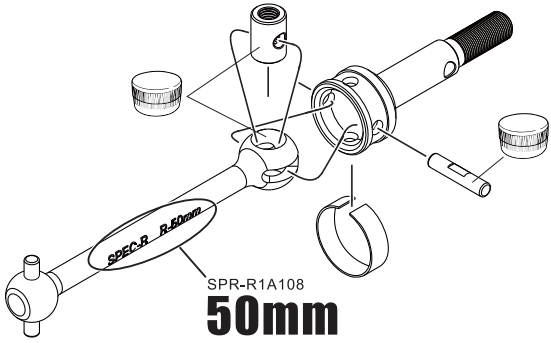


Suspension Mount Adapter (SPR-SIP402)	Toe Angle
2.5	In 2.5°
3.0	In 3.0° (Standard)
3.5	In 3.5°

L Bag

15 Drive Shaft Assembly (50)

4x Make 4



C Bag + H Bag

K Bag + M Bag

x2

ButtonHeadScrew**M3x8mm**

x2

Ball**B**earing**5x10x4mm**

x2

Ball**S**tud**4.7x9mm**(2mmSocket)

x2

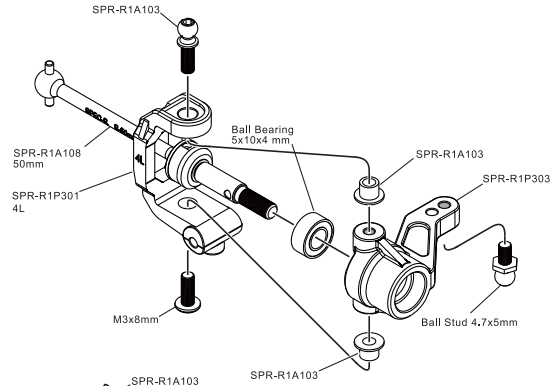
Ball**S**tud**4.7**x5mm

x4

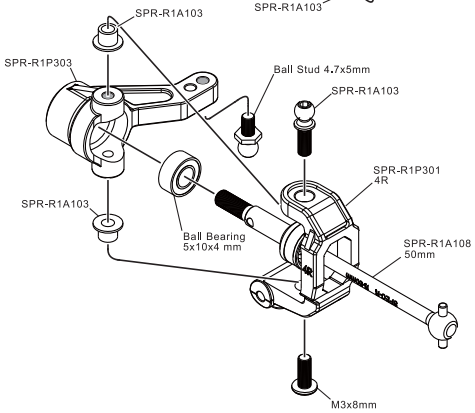
Steering**B**lock**B**ushing

16 Front Hub Carrier Assembly

L Left Links



R Right Links



K Bag + M Bag

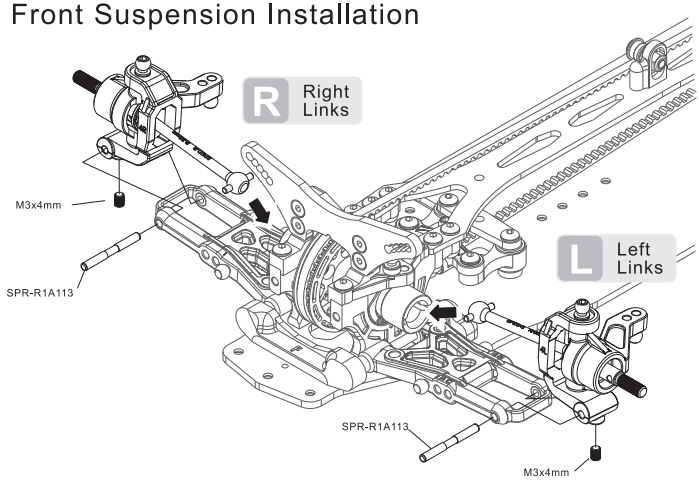
x2

SetScrew**M3x4mm**

x2

OuterPivotPin**2.5x24mm**

17 Front Suspension Installation



C Bag + D Bag

H Bag + K Bag

x2

BallBearing**5x10x4mm**

x2

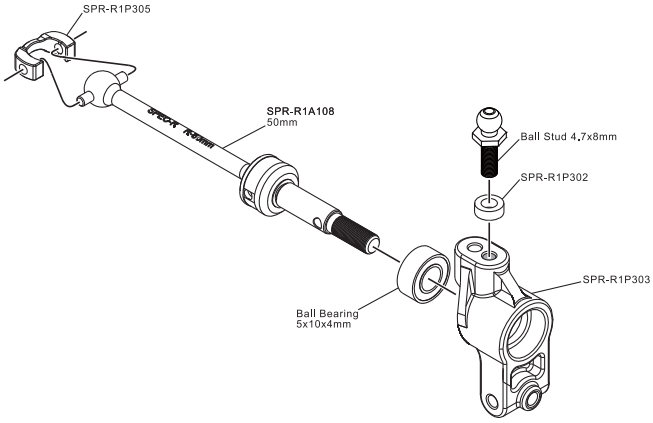
BallStud**4.7x8mm**

x2

PlasticSpacer**3x5.5x2mm**

18 Rear Carrier Assembly

2x Make 2



K Bag + M Bag

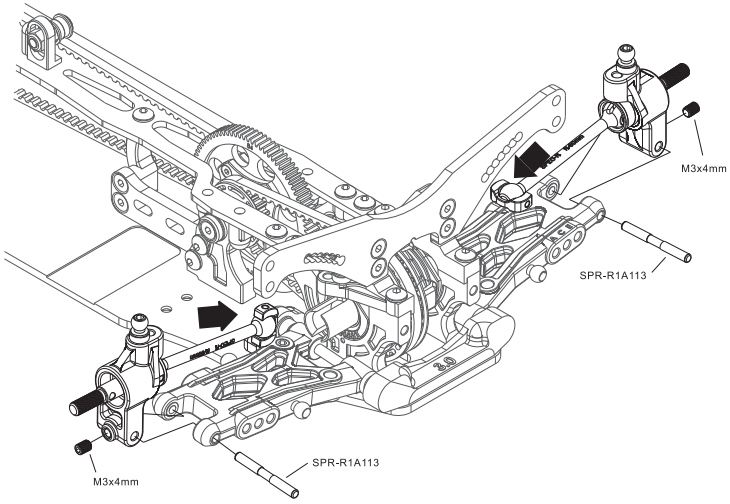
x2

SetScrew**M3x4mm**

x2

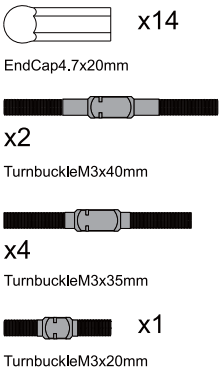
OuterPivotPin**2.5x24mm**

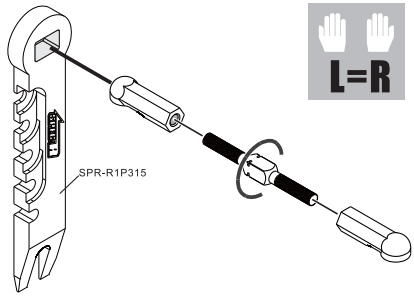
19 Rear Suspension Installation



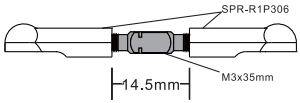
E Bag + K Bag

20 Upper Arm and Steering Rod Assembly

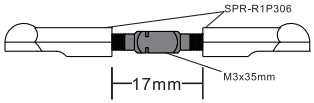




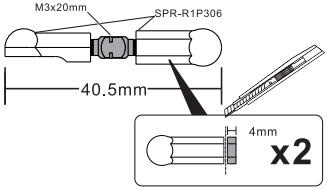
A Front Rod x2



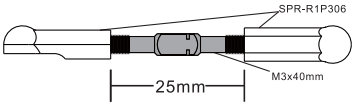
B Rear Rod x2



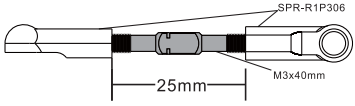
C Steering Rod-1 x1



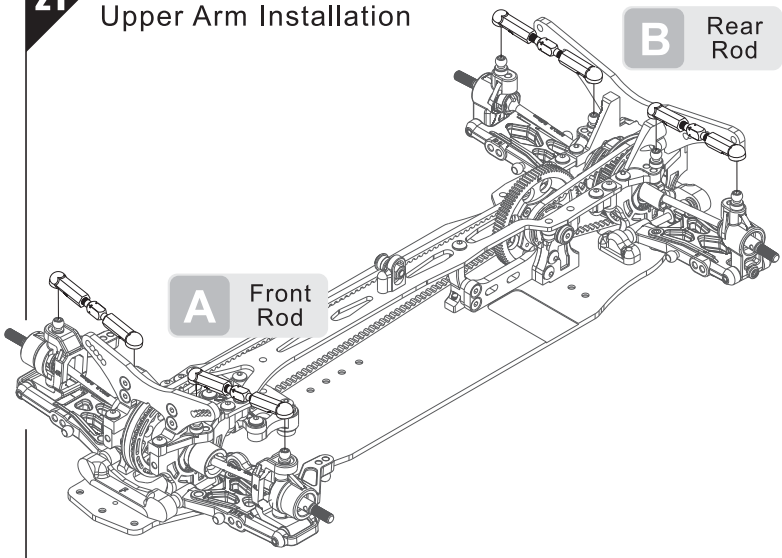
E Steering Rod-L x1



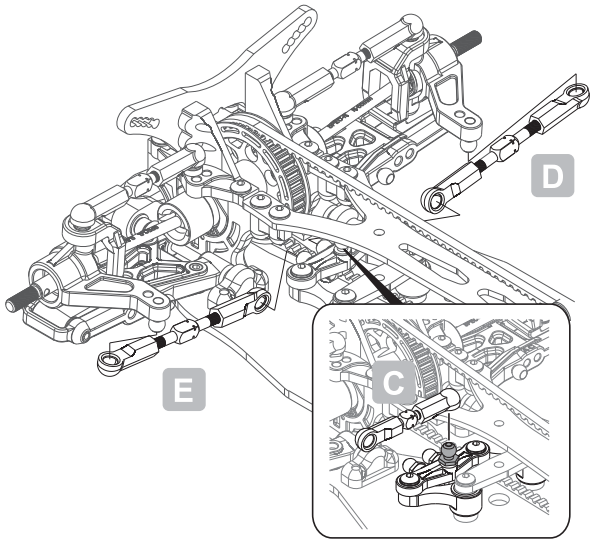
D Steering Rod-R x1



21 Upper Arm Installation



22 Steering Rod Installation



Bag I

x4 ShockShaft26mm

x8 EClip2mm

x4 ShaftGuide

x4 O-ringGuide

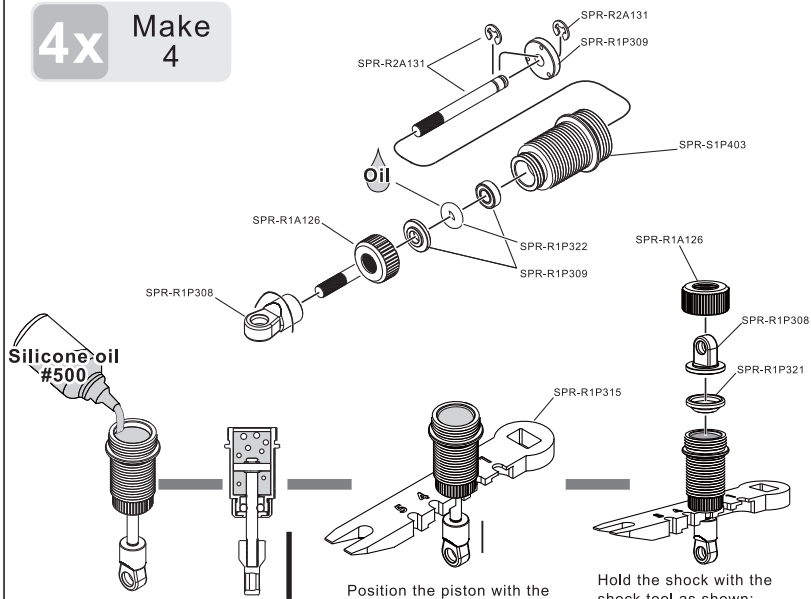
x4 ShockPiston(Standard)

x4 Bladder12x3.5mm

x4 O-ring

23 Shock Parts Assembly

4x Make 4



Position the piston with the shock tool for setting the desired rebound.

Hold the shock with the shock tool as shown; carefully tighten the shock cap.

Bag I

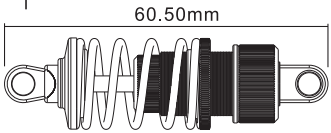


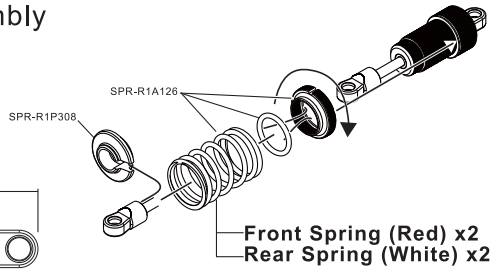
x4

O-ring

24 Shock Assembly

4x Make 4





Bag I + Bag M



x2

ButtonHeadScrewM3x6



x2

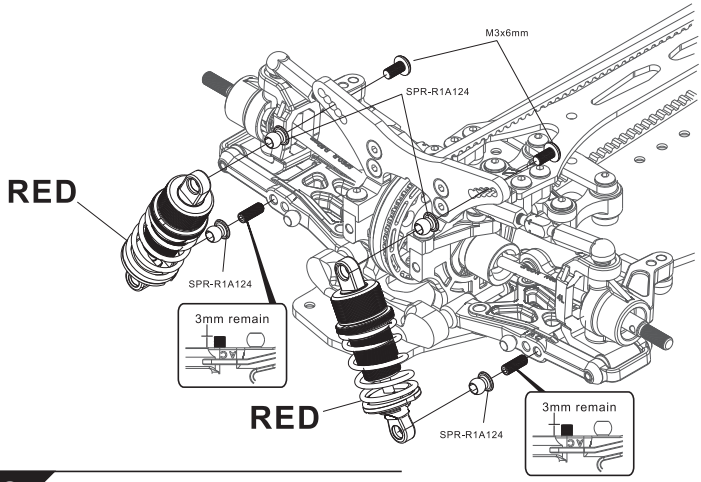
SetScrewM3x8mm



x4

BallUniversal4.7mm

25 Front Shock Installation



Bag I + Bag M



x2

ButtonHeadScrewM3x6



x2

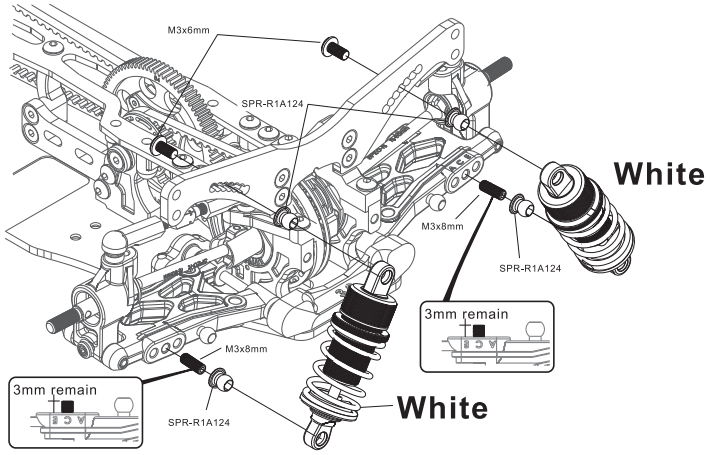
SetScrewM3x8mm



x4

BallUniversal4.7mm

26 Rear Shock Installation



C Bag + M Bag

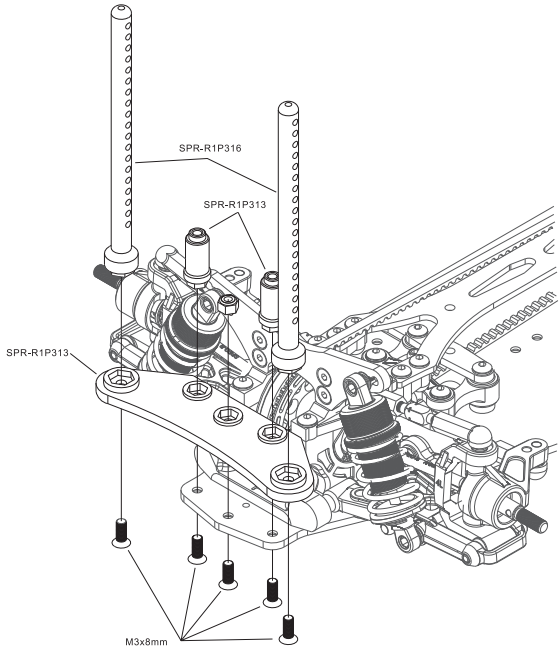
x5

FlatHeadScrewM3x8mm

x1

LockNutM3

27 Front Body Mount Installation

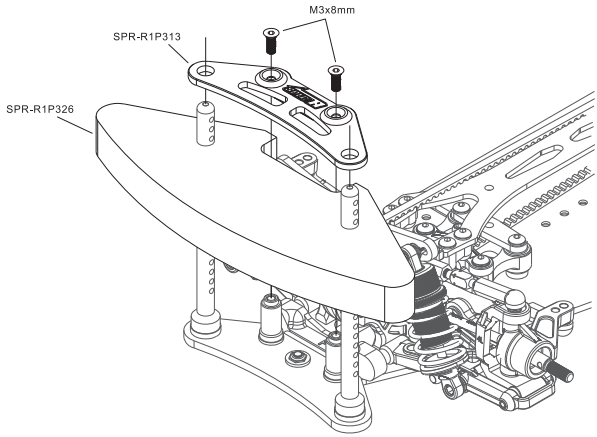


C Bag + M Bag

x2

FlatHeadScrewM3x8mm

28 Bumper Installation



C Bag + K Bag

M Bag

x2

ButtonHeadScrewM3x8mm

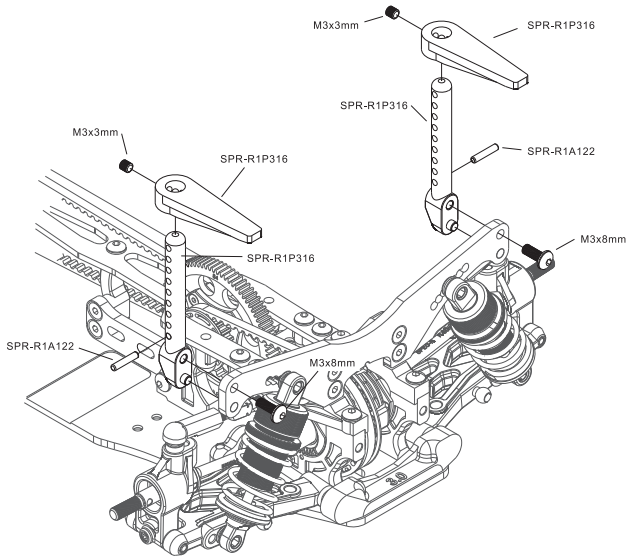
x2

SetScrewM3x3mm

x2

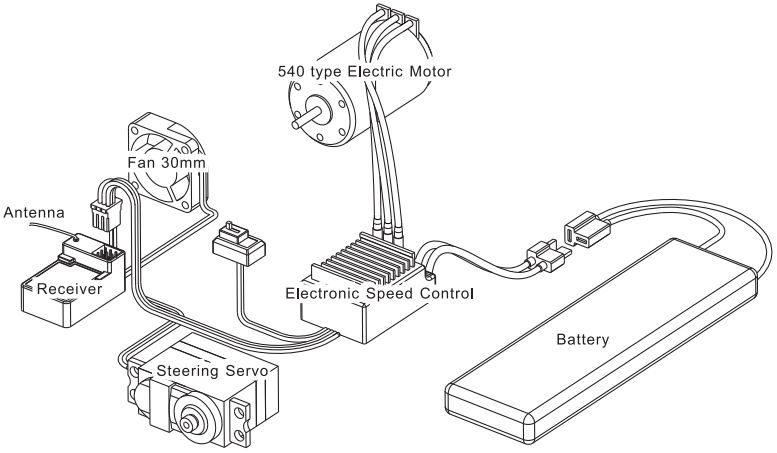
Pin2x10mm

29 Rear Body Mount Installation



30 Radio Connections

! All electronics shown are not included



B Bag + C Bag

J Bag + M Bag

x1

ButtonHeadScrewM3x12mm

x1

FlatHeadScrewM3x8mm

x4

ButtonHeadScrewM3x6

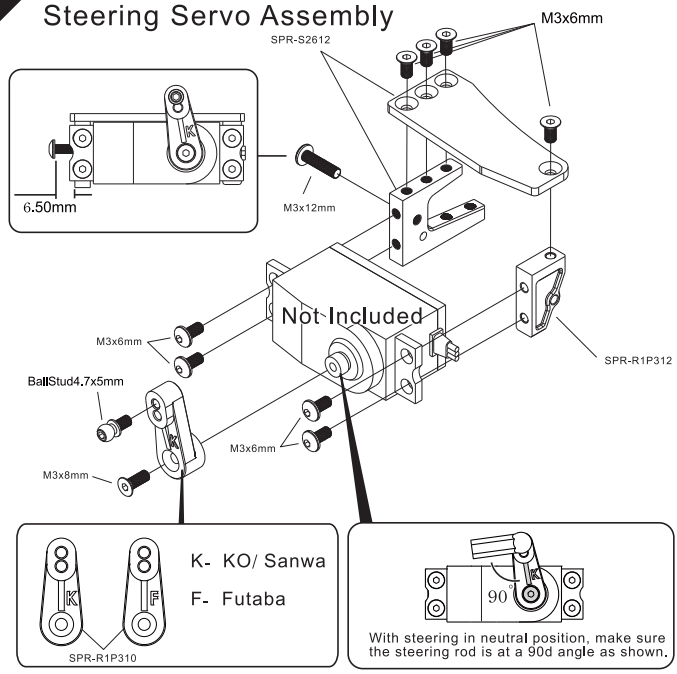
x1

BallStud4.7x5mm

x4

FlatHeadScrewM3x6mm

31 Steering Servo Assembly

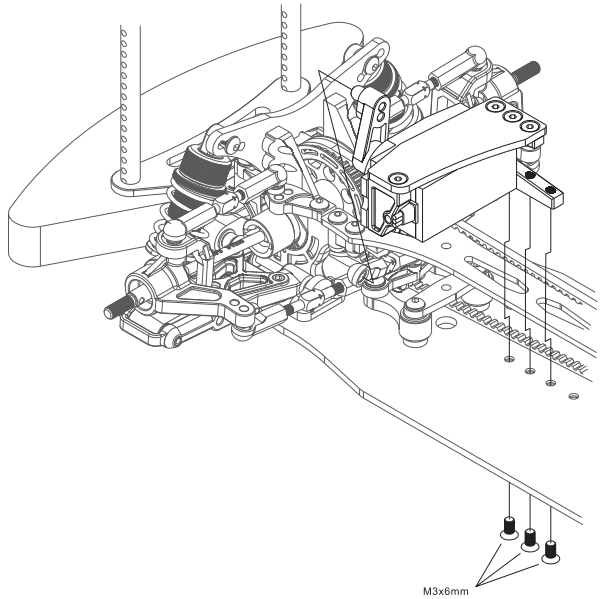


M Bag

x3

FlatHeadScrewM3x6mm

32 Steering Servo Installation



C Bag + M Bag

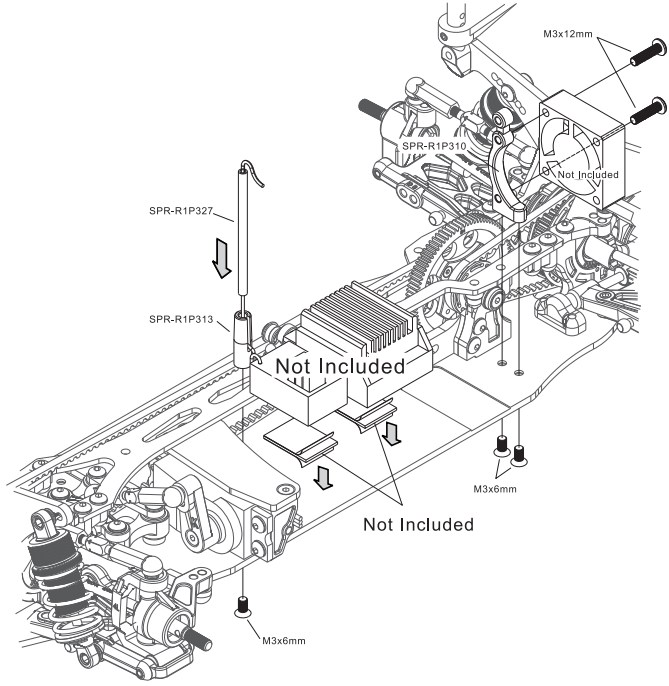
33 R/C Unit Installation

x2

ButtonHeadScrewM3x12mm

x3

FlatHeadScrewM3x6mm



M Bag

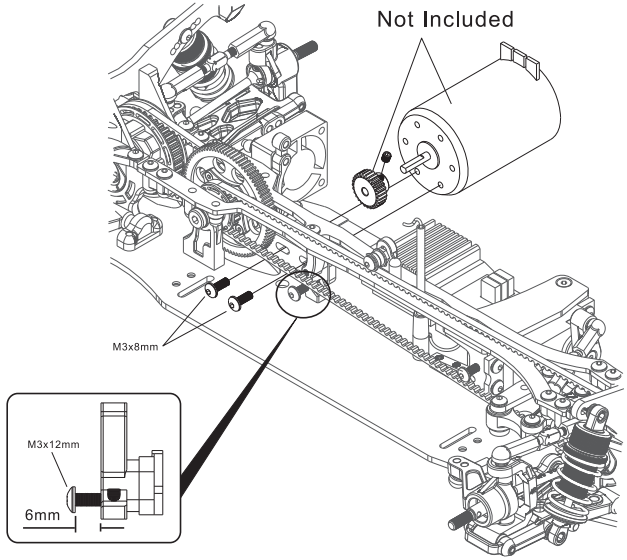
34 Motor Installation

x1

ButtonHeadScrewM3x12mm

x2

ButtonHeadScrewM3x8mm

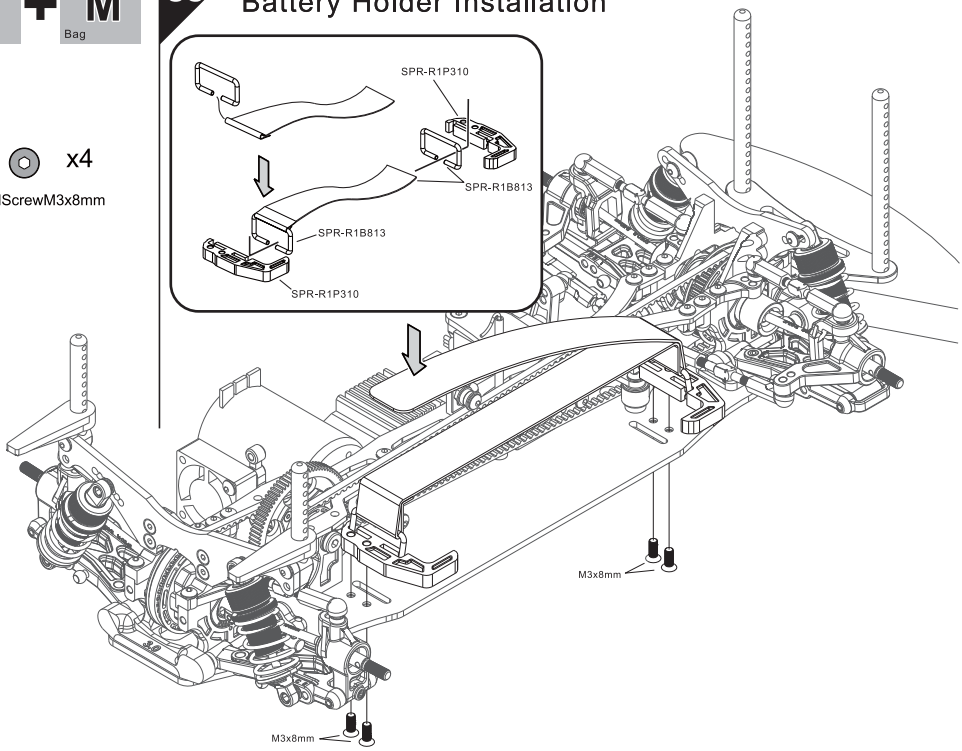


K Bag + M Bag

35 Battery Holder Installation

x4

FlatHeadScrewM3x8mm



H Bag + K Bag

M Bag

36 Battery Installation

x4

WheelNutM4

x4

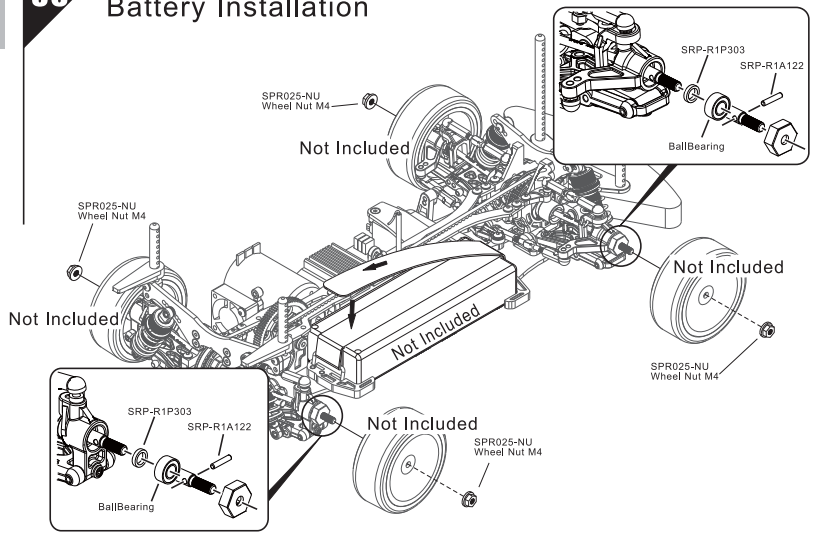
BallBearing**5x10x4mm**

x4

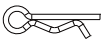
PlasticSpacer**5x7x1.5mm**

x2

Pin**2x10mm**



M
Bag



x8

BodyClip

37 Body Installation

Gear Ratio

$$\text{Gear Ratio} = \frac{\text{Spur Gear}}{\text{Pinion Gear}} \times 1.9$$

Gear Ratio		Spur Gear										
		79T	80T	81T	82T	83T	84T	85T	86T	87T	88T	89T
Pinion Gear	13T	11.55	11.69	11.84	11.98	12.13	12.28	12.42	12.57	12.72	12.86	13.01
	14T	10.72	10.86	10.99	11.13	11.26	11.4	11.54	11.67	11.81	11.94	12.08
	15T	10.01	10.13	10.26	10.39	10.51	10.64	10.77	10.89	11.02	11.15	11.27
	16T	9.38	9.5	9.62	9.74	9.86	9.98	10.09	10.21	10.33	10.45	10.57
	17T	8.83	8.94	9.05	9.16	9.28	9.39	9.5	9.61	9.72	9.84	9.95
	18T	8.34	8.44	8.55	8.66	8.76	8.87	8.97	9.08	9.18	9.29	9.39
	19T	7.9	8	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
	20T	7.51	7.6	7.69	7.79	7.89	7.98	8.07	8.17	8.26	8.36	8.46
	21T	7.15	7.24	7.33	7.42	7.51	7.6	7.69	7.78	7.87	7.96	8.05
	22T	6.82	6.91	7	7.08	7.17	7.25	7.34	7.43	7.51	7.6	7.69
	23T	6.53	6.61	6.69	6.77	6.86	6.94	7.02	7.1	7.19	7.27	7.35
	24T	6.25	6.33	6.41	6.49	6.57	6.65	6.73	6.81	6.89	6.97	7.05
	25T	6	6.08	6.16	6.23	6.31	6.38	6.46	6.54	6.61	6.69	6.76
	26T	5.77	5.85	5.92	5.99	6.07	6.14	6.21	6.28	6.36	6.43	6.5
	27T	5.56	5.63	5.7	5.77	5.84	5.91	5.98	6.05	6.12	6.19	6.26
	28T	5.36	5.43	5.5	5.56	5.63	5.7	5.77	5.84	5.9	5.97	6.04

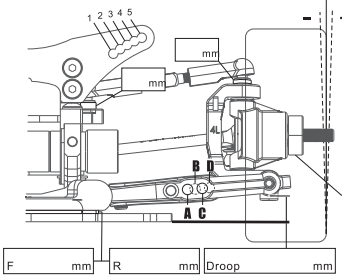
Note:

S2 Setup Sheet

Name: Date: Event:

Track: Track Condition: Lap Time: Final Position:

Front



Camber Angle +/- °

Caster Angle °

Ride Height mm

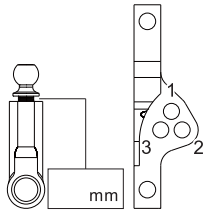
Sway Bar Ø mm

Wheel Hubs mm

Spacer mm

Front Diff ☐ Gear ☐ Spool

Diff Oil #



Shocks

Shock Oil #

Piston

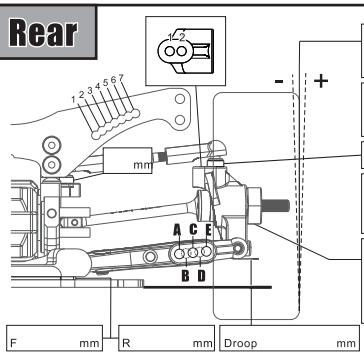
O-ring

Rebound

Spring

Length mm

Rear



Camber Angle +/- °

Ride Height mm

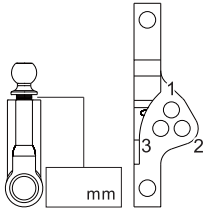
Shim mm

Sway Bar Ø mm

Wheel Hubs mm

Spacer mm

Rear Diff Oil #



Shocks

Shock Oil #

Piston

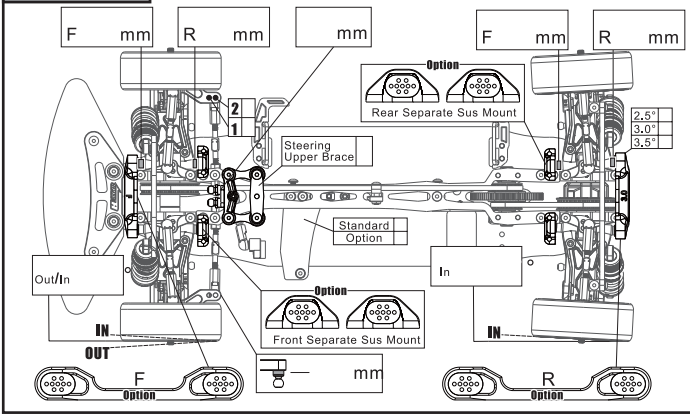
O-ring

Rebound

Spring

Length mm

Chassis



Tires

Brand:

Compound:

Insert:

Wheel:

Others

Motor:

Spur Gear:

Pinion Gear:

Battery:

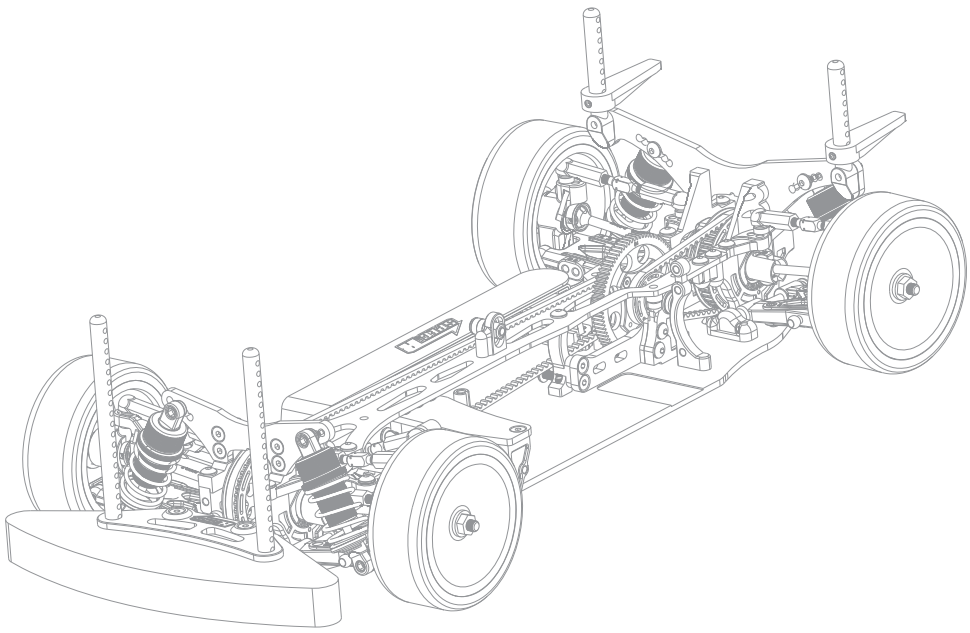
ESC:

Body:

Wing:

Note:

Ver.1.0



http://www.spec-r.com