

FOX4x4

1/10 4x4 MiniCage Buggy

SWORKz S-Lite FOX4x4e

INSTRUCTION MANUAL





INSTRUCTION

Congratulations on your purchase of the new SWORKz 1/10 scale FOX4x4 off-road ready to run brushless power CAGE buggy.

Please read this manual thoroughly before you attempt to drive your FOX4x4. This manual contains step-by-step instructions to help you complete, prepare for startup your Buggy. Updates, setups, and product news will be posted on our website (www.sworkz.com) or Facebook (SWORKz RC). Check them often.

As always, if you should ever have any questions or need help with your FOX4x4, please feel free to contact our official SWORKz dealers and distributors. You may also contact us at anytime for the most up to date information and support.

Introducing the new S-Lite FOX4x4 1/10th scale off-road brushless powered race Cage buggy from SWORKz. The S-Lite Cage buggy is the RTR version of SWORKz 1/10 buggy.

The FOX4x4 is assembled in the same factory as the SWORKz S350 FOX8e series. The FOX4x4 comes with a pre-painted body and aluminum side plate desert SUV on road tires. This Cage chassis are built from 2pcs of 2mm aluminum side plates together with plastic chassis side guards to make a strong cage chassis system. The FOX4x4 is full time 4WD buggy with front and rear gear differentials.

The front upper and lower A-arms give the buggy a very tough suspension design, The unique shock positions give the chassis a low CG making it possible to run high speeds on different road conditions.

The SWORKz design team focused their efforts into the proper weight distribution of the FOX4x4. Proper weight distribution proved to be instrumental to help ease the setup during the design and testing phase of the FOX4x4.

Overall, the FOX4x4 is a real fun, quality and performance RC buggy to run.

FOX4x4 Kit Features:

1. 2pc 2mm aluminum side plates.
2. Full time 4WD transmission with front and rear gear differentials.
3. The front upper and lower A-arms are designed to be durable.
4. Unique shock position.
5. Aluminum side plate desert SUV on road tires.
6. Pre-painted Body Shell.
7. 2.4G Radio System (SW-T1 Radio with USB charge system and Li-Po battery)
8. Comes standard with SWORKz SE-50 50A 1/10 BL ESC (Made by HobbyWing)
9. SWORKz SP-3500 3652 BL MOTOR FOR 1/10 RTR (Made by HobbyWing) motor system.



Specification	
Length:	400mm
Width:	248mm
Height:	130mm
Ground Clearance:	28mm
Wheelbase:	275mm
Track:	F:207mm /R202mm
Gear Ratio:	C:70/22T, F/R 37/11T
Weight:	1500g (without battery)



WARRANTY

Your SWORKz FOX4x4 RTR warranty covers workmanship and manufacturing defects of the original and unmodified parts. Warranty claims resulting from crashes, abuse, improper operation, improper mounting, improper adjustment or lack of maintenance will not be honored.

Contact your local hobby shop or SWORKz distributor for all claims and questions. Claims must be well documented. All Claims are subject to expert examination approval by SWORKz



INSTRUCTION	2
Warranty	3
INDEX	4
Required Equipment for Operation	5
Operation Guide	6
Assembly Steps	7-32
SWORKz S-Lite FOX4x4 REPLACEMENT PARTS LIST	33-35

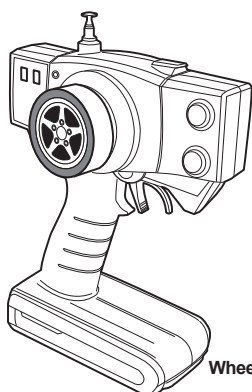


This radio controlled racing car is not a toy!

This high-performance R/C model is recommended for ages 14 and above.

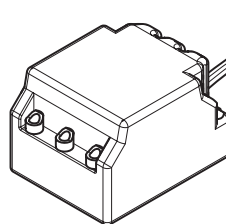
Required Equipment for Operation

Included 2.4G Radio Gear

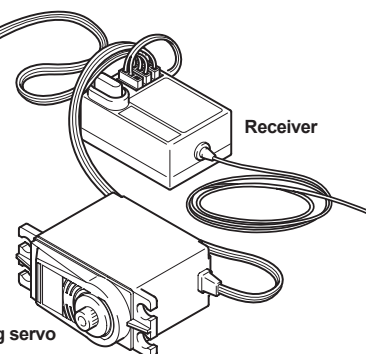


Wheel & Trigger Type

Included Sworkz SE-50 50A



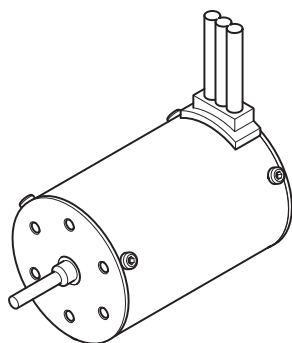
ESC system



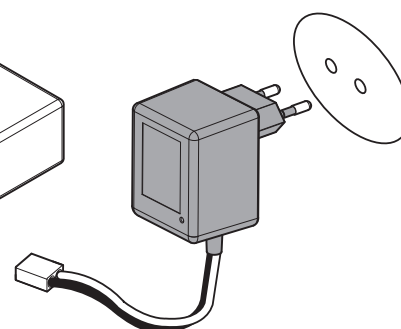
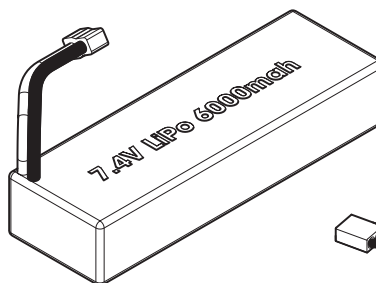
Receiver

Steering servo

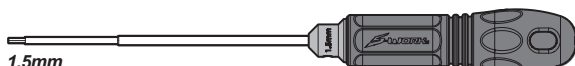
Included Sworkz SP-3500 (3652)



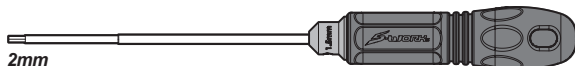
Charger and LiPo Battery (Not Included)



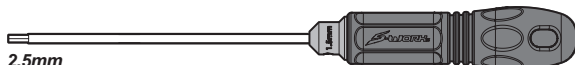
Tools Recommended



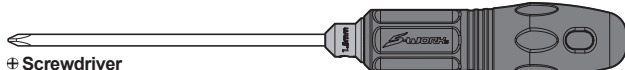
1.5mm



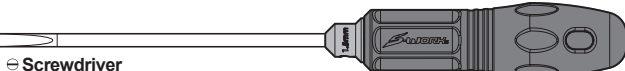
2mm



2.5mm

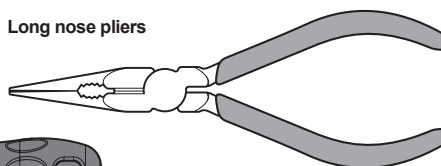


⊕ Screwdriver

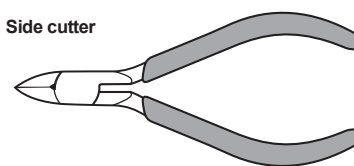


⊖ Screwdriver

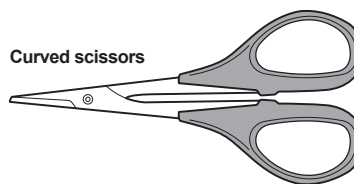
Long nose pliers



Side cutter



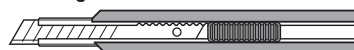
Curved scissors



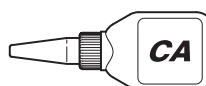
Paint



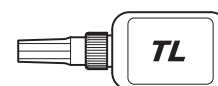
Modeling knife



Instant cement



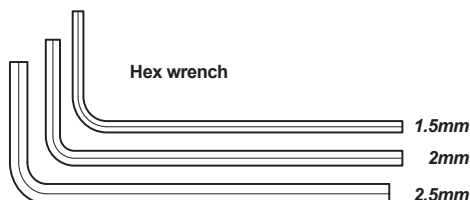
Thread lock



Double-sided tape



Included items



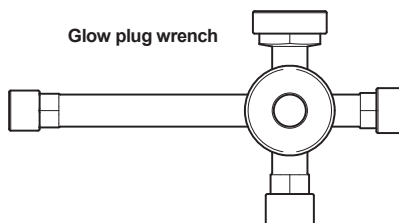
Hex wrench

1.5mm

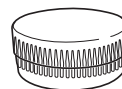
2mm

2.5mm

Glow plug wrench



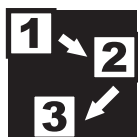
Grease



Operation Guide



Assemble front and rear



Assemble in the specified order



Assemble both left and right sides



Assemble for 2 sets



Assemble for 4 sets



overturn



Thread Locking Compound



Grease



Pure Silicone Oil

Safety Precautions

The SWORKz FOX4x4 is a high performance radio control model which needs to be operated with caution and common sense.

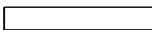
The S350 FOX4x4 RTR is not intended for children under the age of 12 without adult supervision. SWORKz shall not be held liable for any loss or damages, whether direct, indirect, act of nature, arising from abuse or misuse of this product or any other product required.

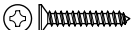
- The LiPO Battery can be dangerous if improperly handled.
- Always keep your LiPO Battery in a cool area and never use it near flames, sparks, or while smoking.
- Keep your LiPO Battery, and all other flammables, out of the reach of children.
- After running your car, all parts of the Motor and ESC can become extremely hot. Be careful not to touch these parts.
- This model is controlled by your radio controller and can be vulnerable to interference from many outside sources. This interference can cause a loss of control so it is necessary to operate this model in an open area to avoid personal or property damage. Always ensure turning on your radio first.
- Keep all the products included in the package out of the reach of children.
- This model contains many fast rotating parts. Never touch them during operation.
- Follow the instructions included with your radio gear.
- Never operate your model near people or property. The speed of this model has the potential to injure people and or damage property if misused.
- Always use original SWORKz spare parts and option parts.
- Always ensure that the buggy is in proper working condition before use.
- Always exercise caution when using any tools.

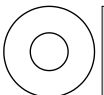
Step 1

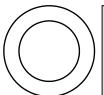
Front and Rear Differentials

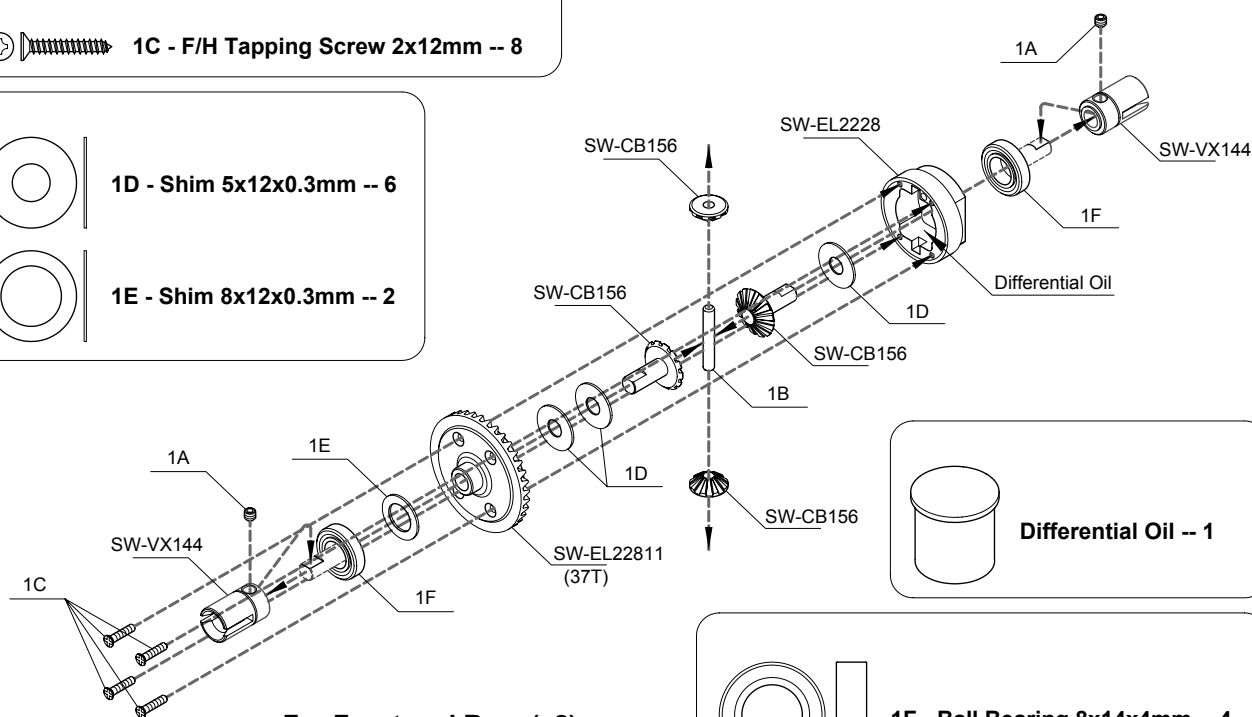
 1A - Grub Screw w/Threadlock 4x4mm -- 4

 1B - Pin 3x19.8mm -- 2

 1C - F/H Tapping Screw 2x12mm -- 8

 1D - Shim 5x12x0.3mm -- 6

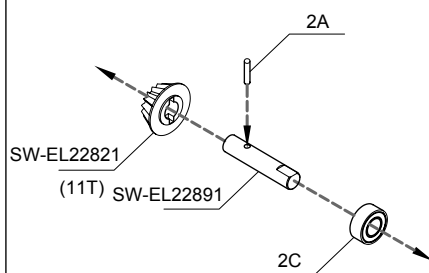
 1E - Shim 8x12x0.3mm -- 2



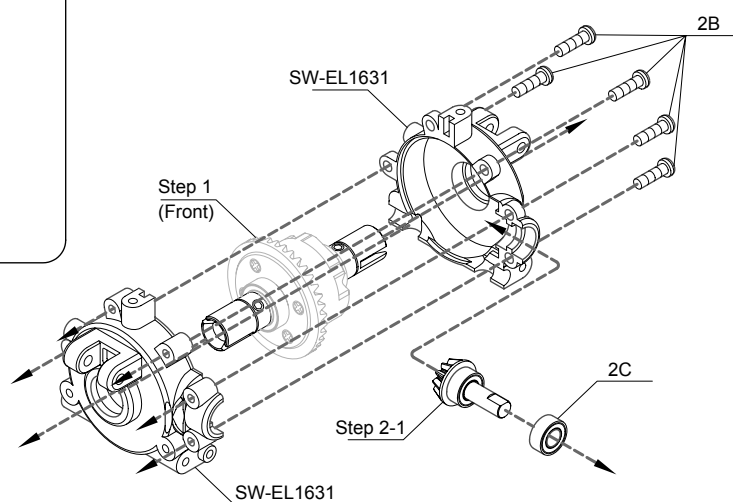
1F - Ball Bearing 8x14x4mm -- 4

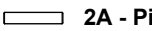
Step 2

Front Differential Housing



<2-1>



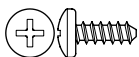
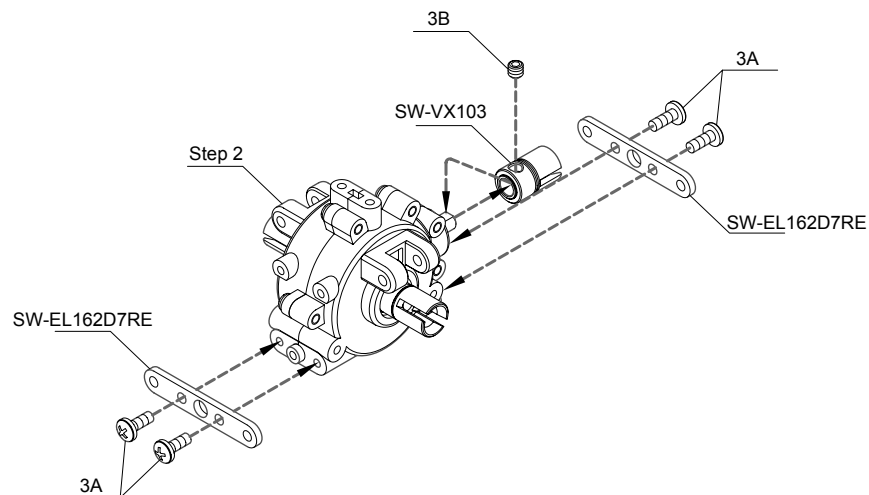
 2A - Pin 1.5x7.8mm -- 1

 2B - Round Head Tapping Screw 3x10 mm -- 5

 2C - Ball Bearing 5x10x4mm -- 2

Step 3

Front Differential Housing



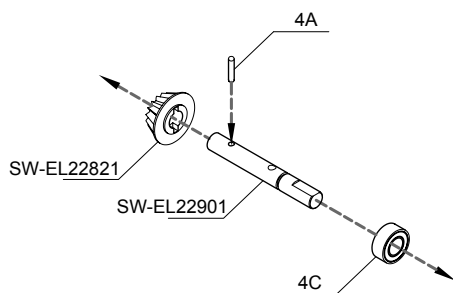
3A - Button Head Tapping Screw 3x8mm -- 4



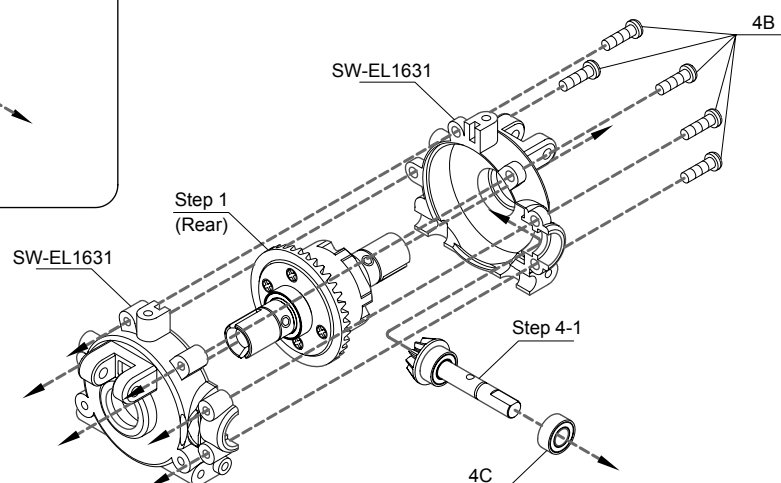
3B - Grub Screw w/Threadlock 4x4mm -- 1

Step 4

Rear Differential Housing



<4-1>



4A - Pin 1.5x7.8mm -- 1



4B - Round Head Tapping Screw 3x8mm -- 5



4C - Ball Bearing 5x10x4mm -- 2

Step 5

Main Gear and Main Gear Mounting



5A - E-Ring 4mm -- 1



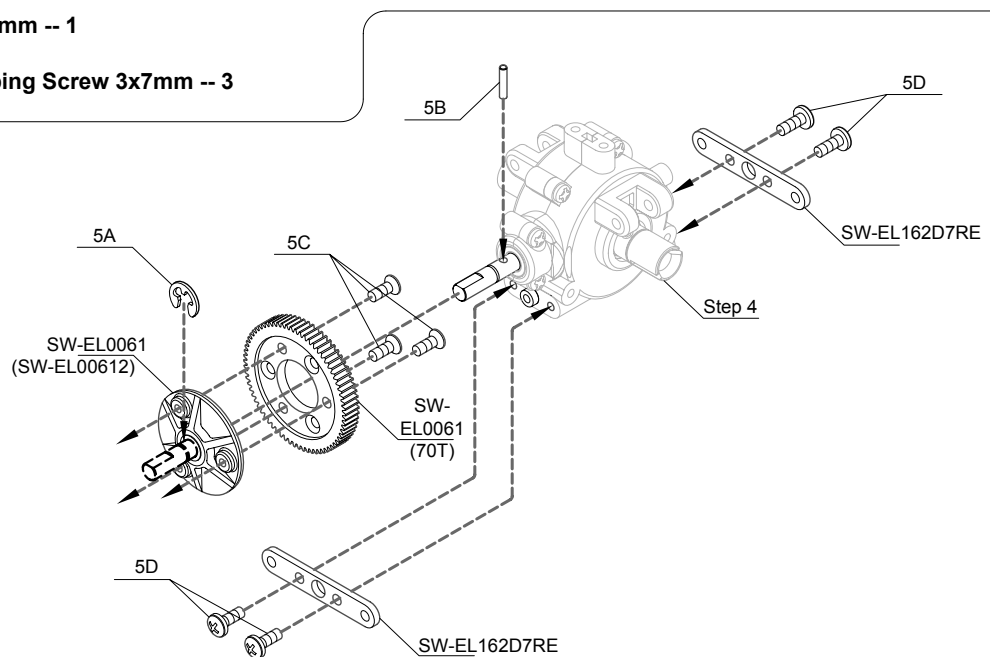
5B - Pin 2x9.8mm -- 1



5C - F/H Tapping Screw 3x7mm -- 3



5D - Button Head Tapping Screw 3x8mm -- 4



Step 6

Motor



6A - Grub Screw w/Threadlock 3x3mm -- 1

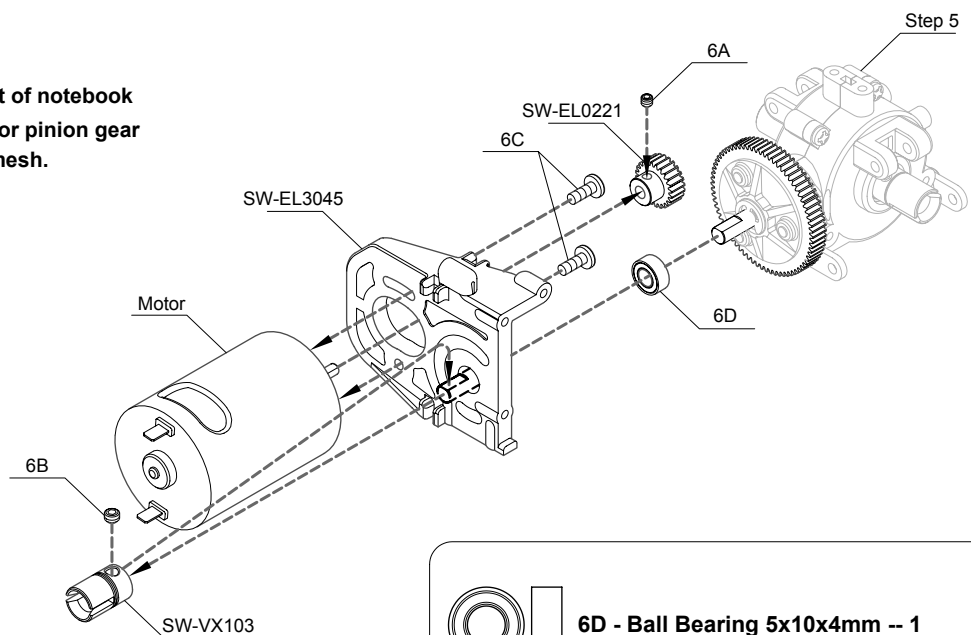


6B - Grub Screw w/Threadlock 4x3mm -- 1



6C - Button Head Screw w/Threadlock 3x8mm -- 2

! Please Insert a sheet of notebook paper to set the motor pinion gear with the main gear mesh.



6D - Ball Bearing 5x10x4mm -- 1

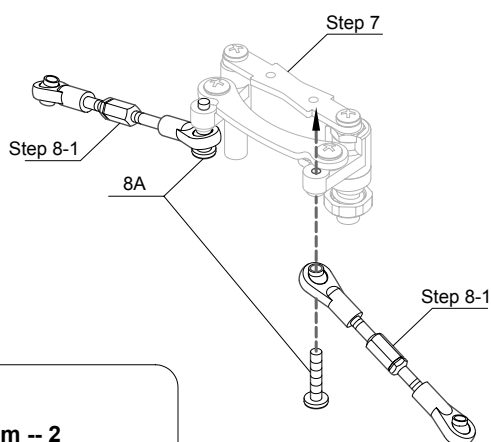
Servo Saver



Steering Tie-Rods

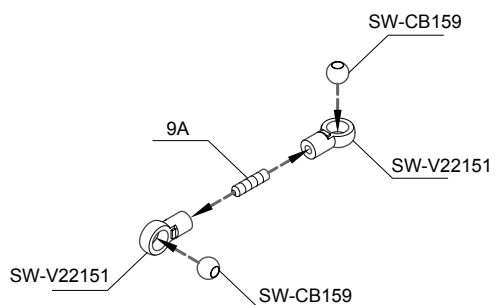


For Right and Left Sides (x2)

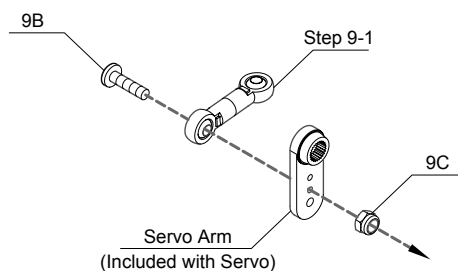


Step 9

Steering Servo Tie-Rods



<9-1>



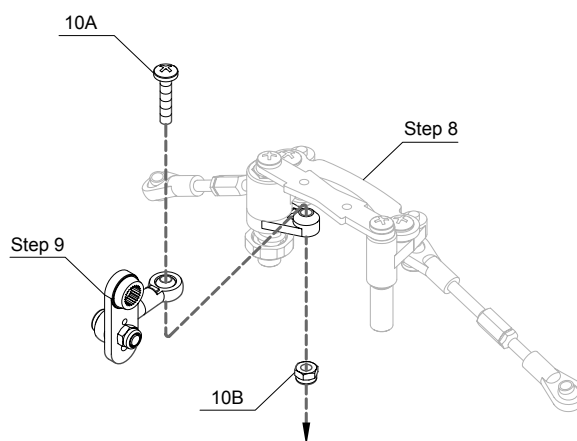
 **9A - Grub Screw 3x12mm -- 1**

 **9B - Button Head Machine Screw 3x12mm -- 1**

 **9C - Lock Nut 3mm -- 1**

Step 10

Servo Saver

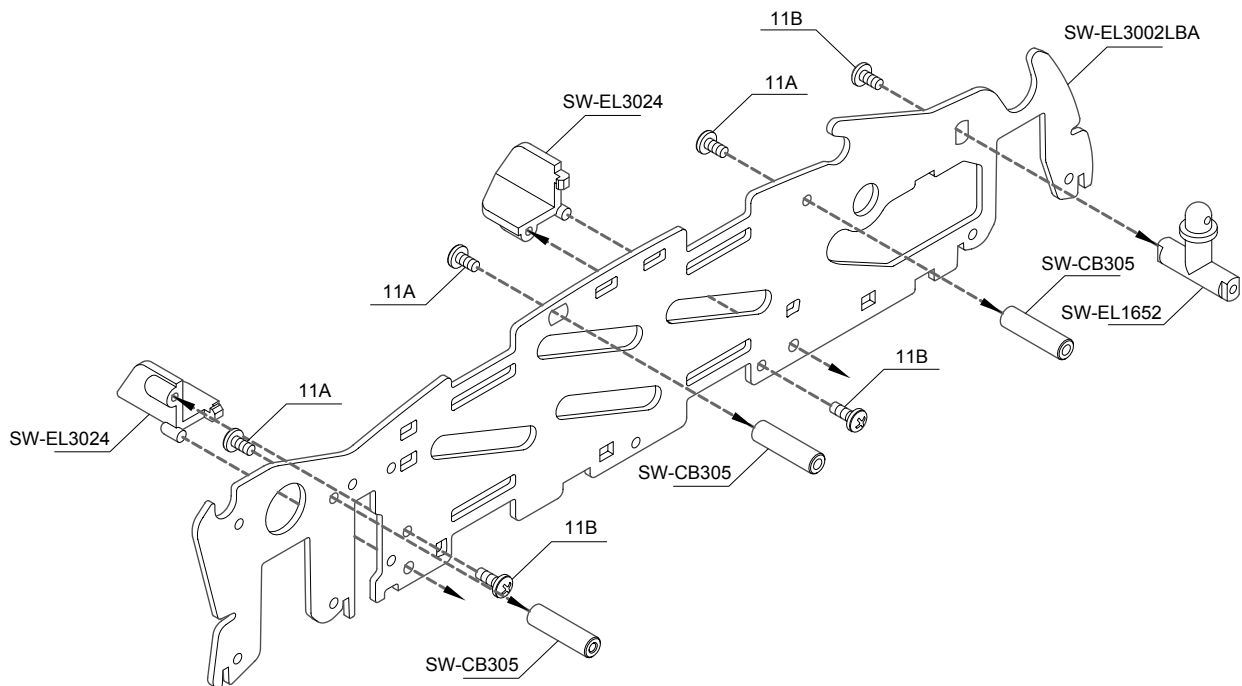


 **10A - Button Head Machine Screw 3x15mm -- 1**

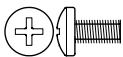
 **10B - Lock Nut 3mm -- 1**

Step 11

The Left Side Body



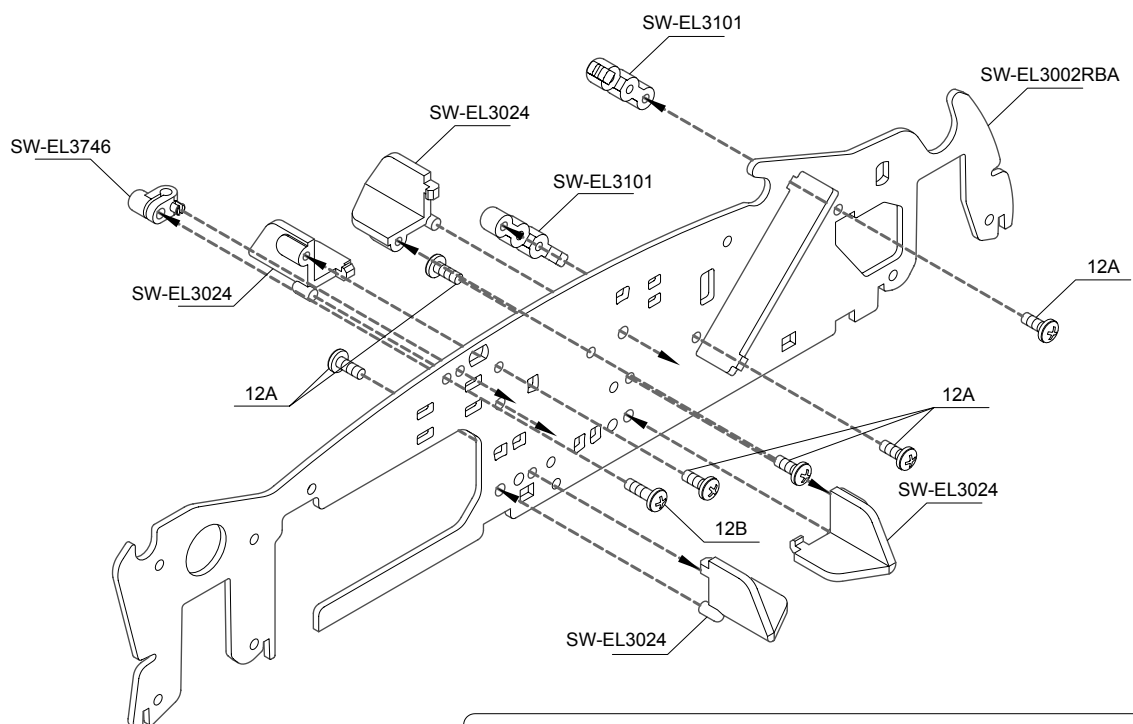
11B - Button Head Tapping Screw 3x8mm -- 3



11A - Button Head Machine Screw w/Threadlock 3x6mm -- 3

Step 12

The Right Side Body



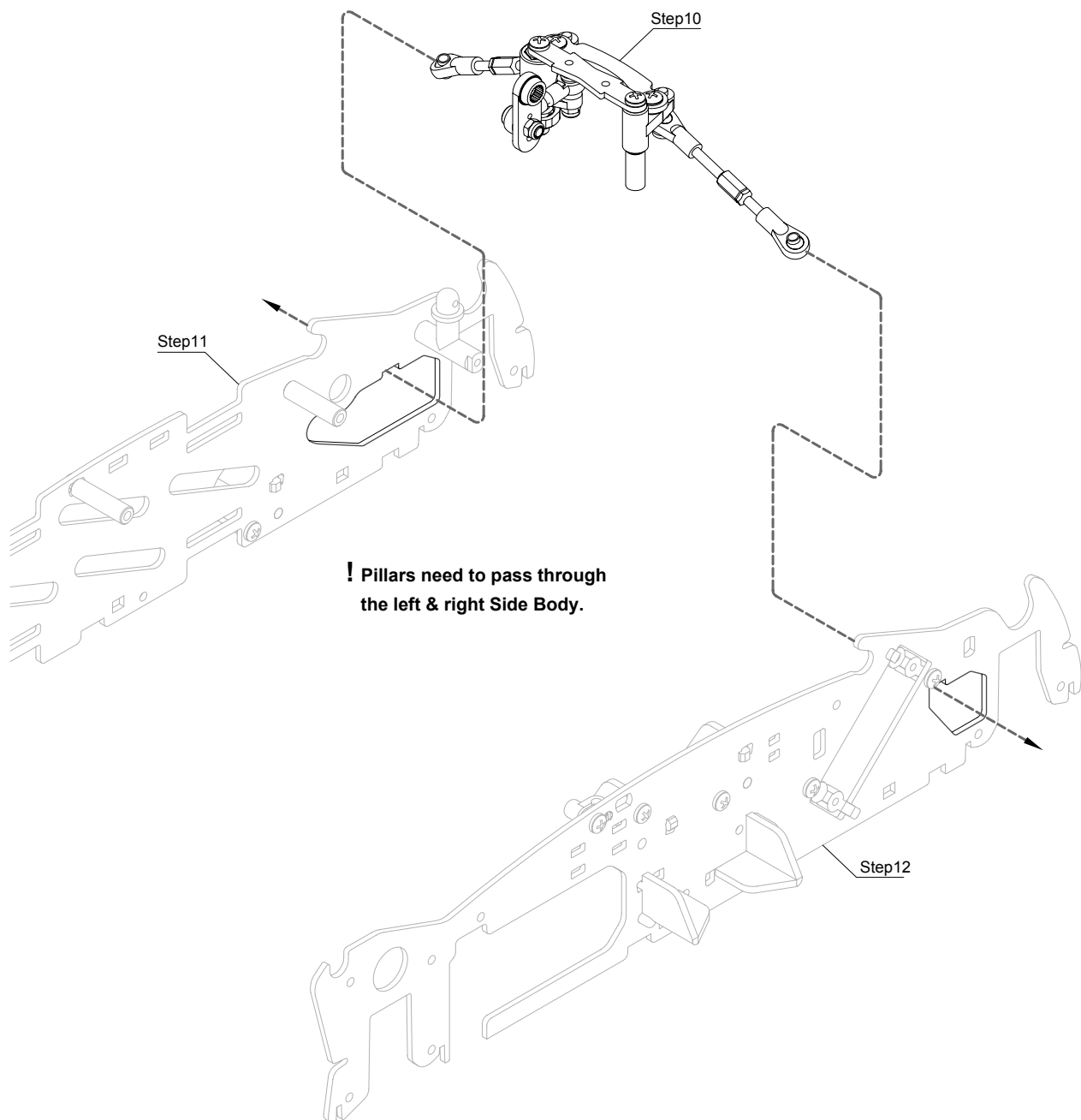
12B - Button Head Tapping Screw 3x10mm -- 1



12A - Button Head Tapping Screw 3x8mm -- 6

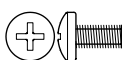
Step 13

Servo Saver and Side Body Mounting



Step 14

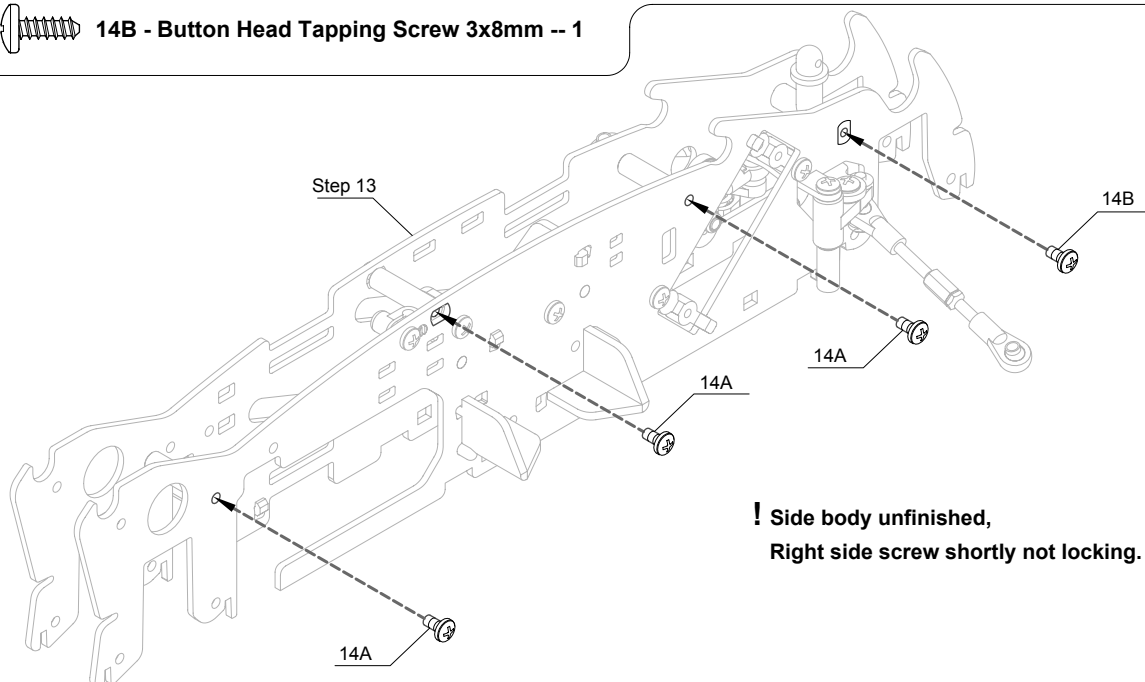
The Left & Right Side Body Mounting



14A - Button Head Machine Screw w/Threadlock 3x6mm -- 3

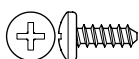
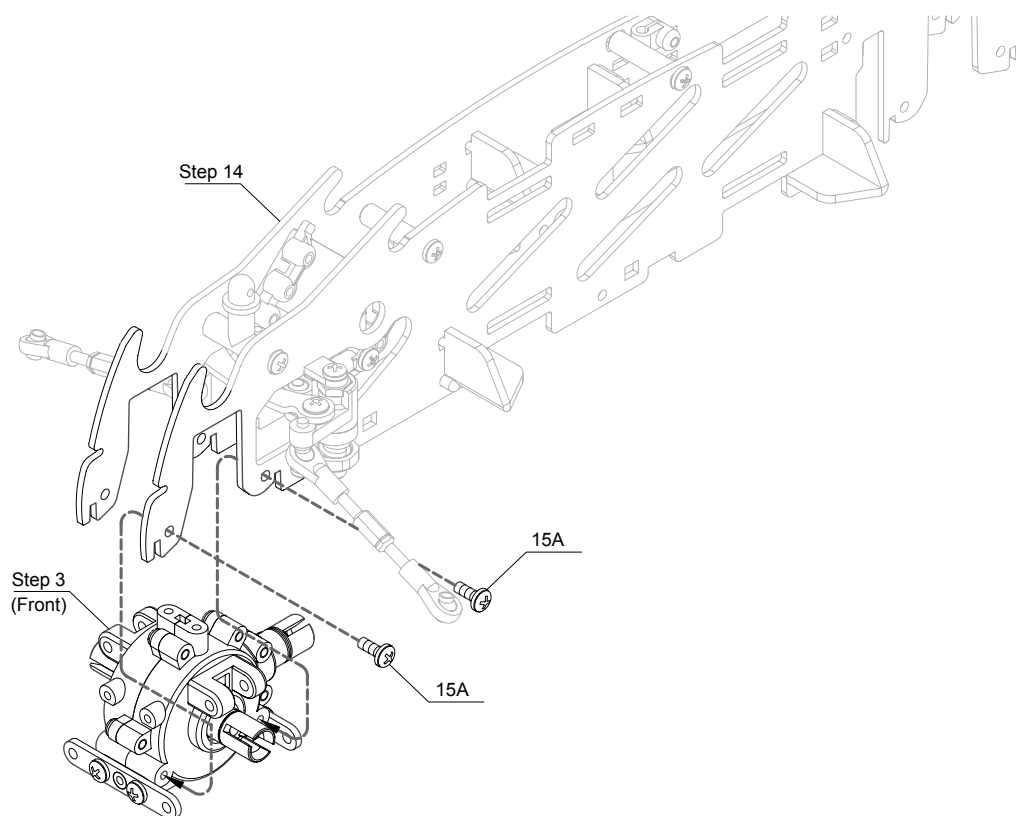


14B - Button Head Tapping Screw 3x8mm -- 1



Step 15

Front Differential Housing and Side Body Mounting

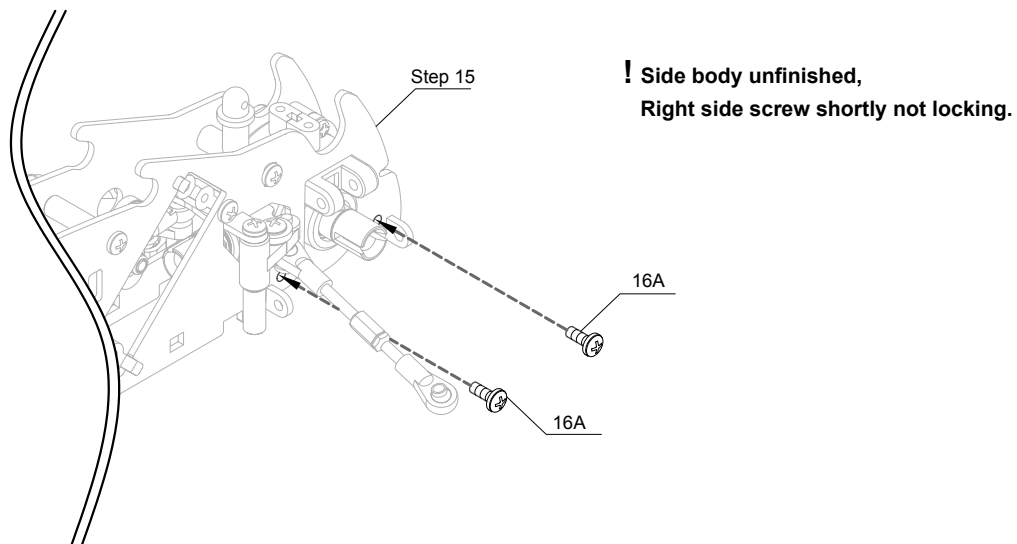


15A - Button Head Tapping Screw 3x8mm -- 2

Step 16

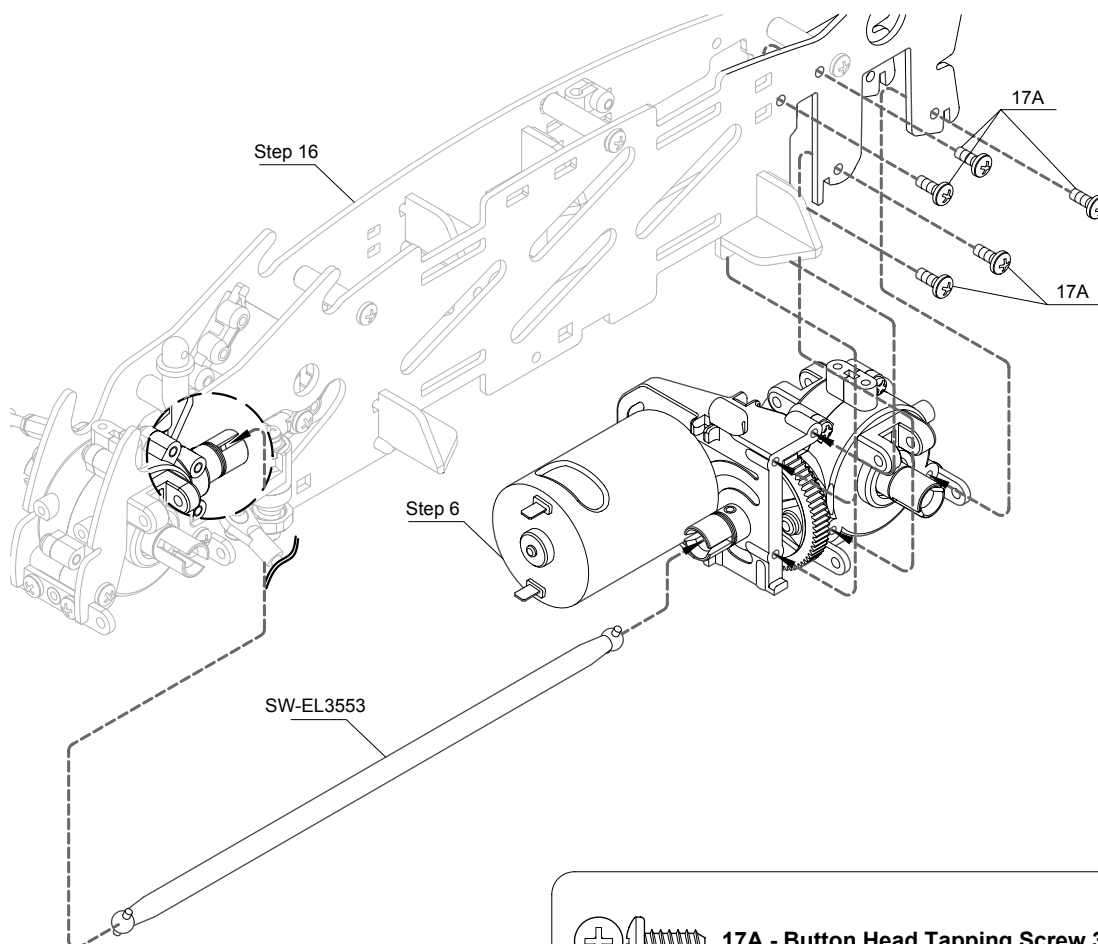
Front Differential Housing and Side Body Mounting

 16A - Button Head Tapping Screw 3x8mm -- 2



Step 17

Rear Differential Housing and Side Body Mounting



 17A - Button Head Tapping Screw 3x8mm -- 5

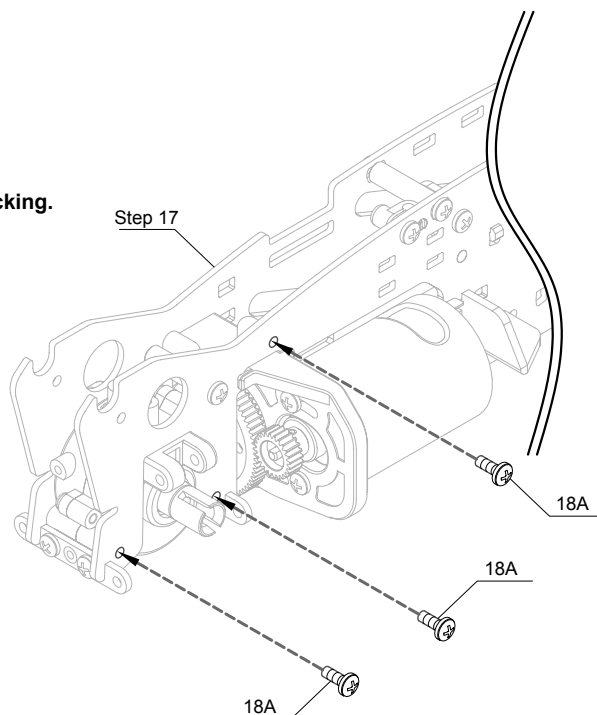
Step 18

Rear Differential Housing and Side Body Mounting



18A - Button Head Tapping Screw 3x8mm -- 3

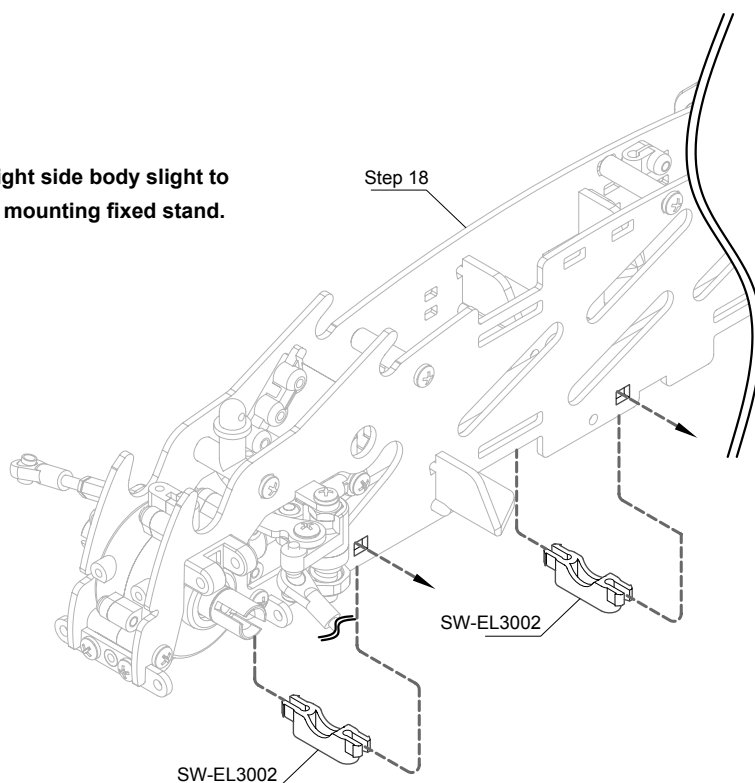
**! Side body unfinished,
Right side screw shortly not locking.**



Step 19

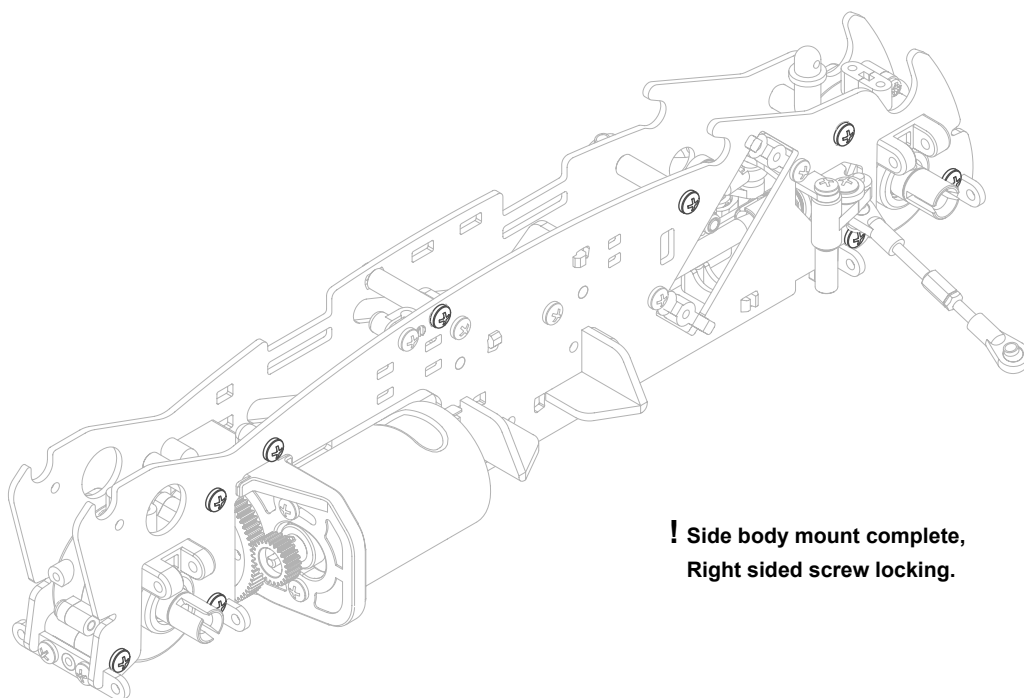
Side Body Fixed

**! Left & right side body slight to
pull out mounting fixed stand.**



Step 20

The Right Side Body Mounting



**! Side body mount complete,
Right sided screw locking.**

Step 21

Front CVD and Steering Knuckles

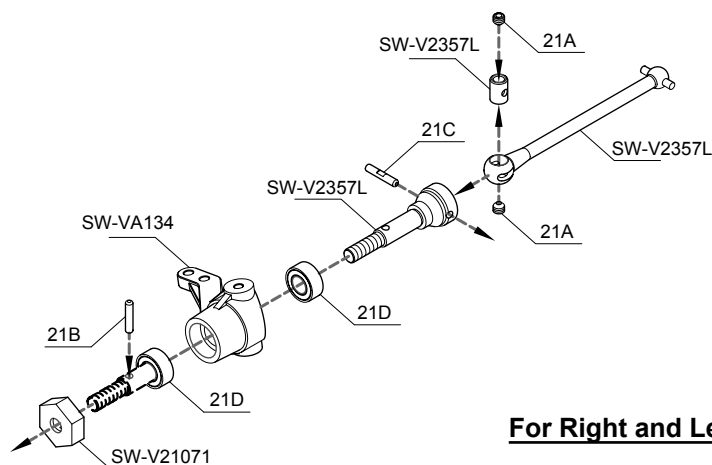
 **21A - Grub Screw w/Glue 3x2.6mm -- 4**

 **21B - Pin 2x9.8mm -- 2**

 **21C - Pin 2x11mm -- 2**



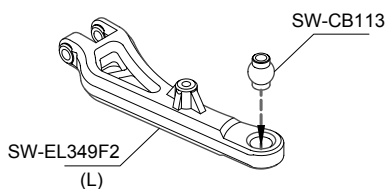
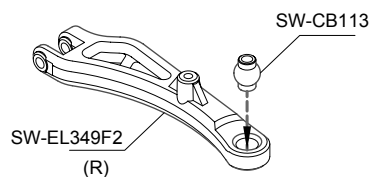
21D - Ball Bearing 5x10x4mm -- 4



For Right and Left Sides (x2)

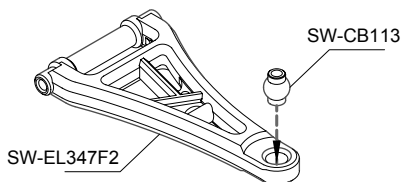
Step 22

Front Upper, Lower Suspension Arms and CVD

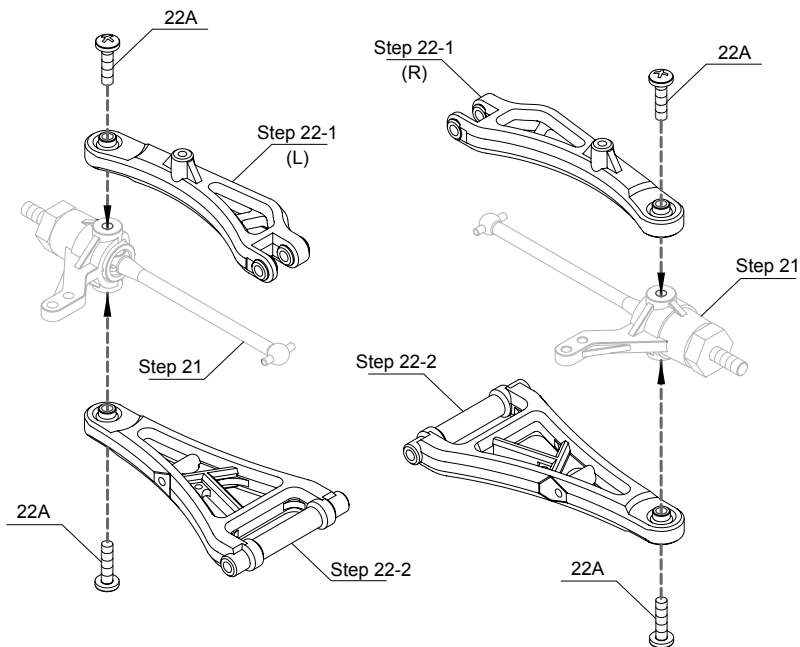


<22-1>

For Right and Left Sides (x2)



<22-2>



22A - Button Head Machine Screw w/Threadlock 3x12mm -- 4

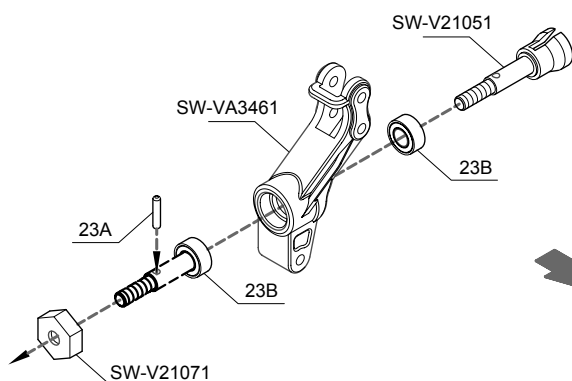
Step 23

Rear Hubs

23A - Pin 2x9.8mm -- 2



23B - Ball Bearing 5x10x4mm -- 4

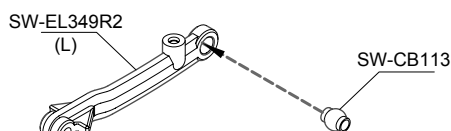
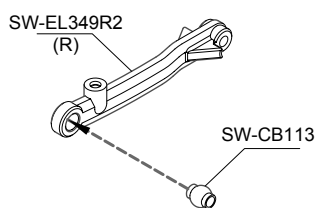


For Left Side

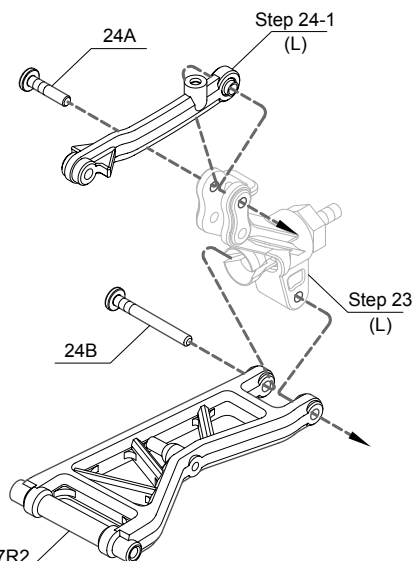
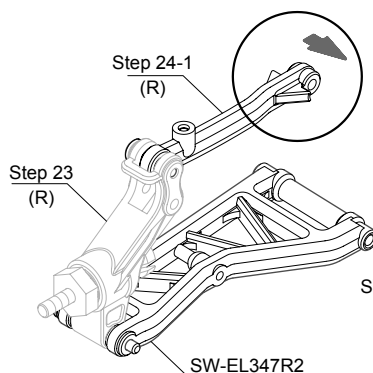
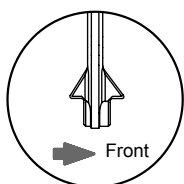
For Right Side

Step 24

Rear Upper, Lower Suspension Arms and Hubs



<24-1>



24A - Hub Studs 3x13.5mm -- 2



24B - Hub Studs 3x27mm -- 2

Step 25

Front Suspension and Bumper Mounting



25A - Cap Screw 3x50mm -- 2



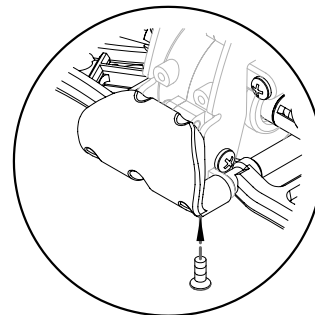
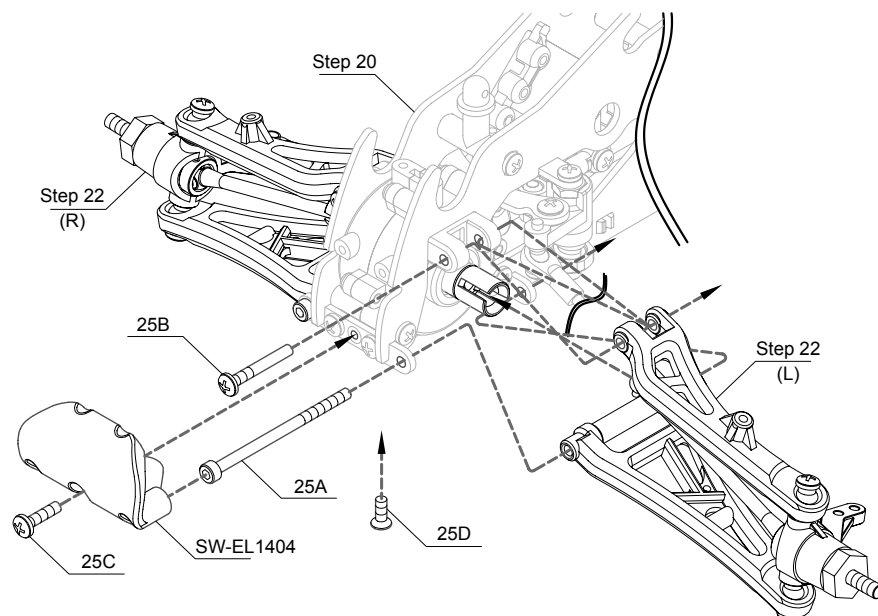
25B - Hub Studs 3x27mm -- 2



25D - F/H Tapping Screw 3x8mm -- 1

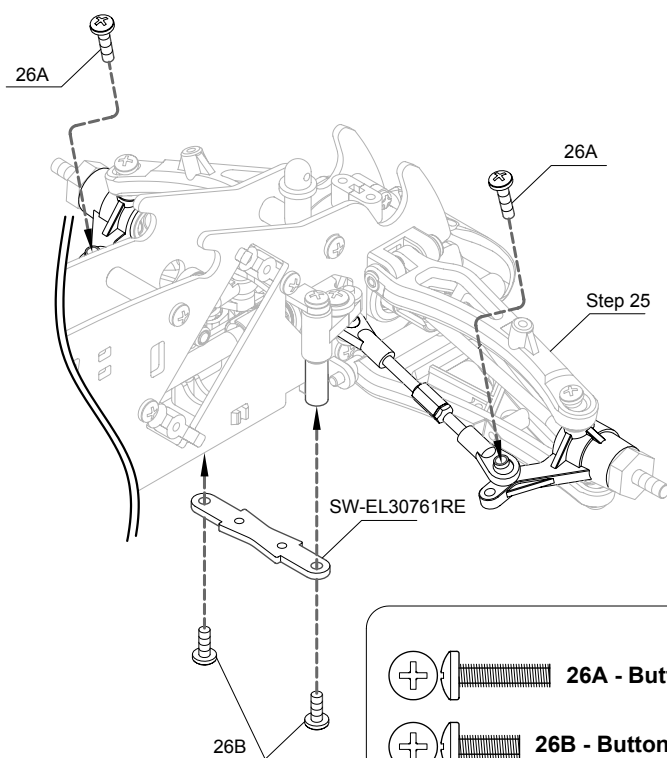


25C - Button Head Tapping Screw 3x12mm -- 1



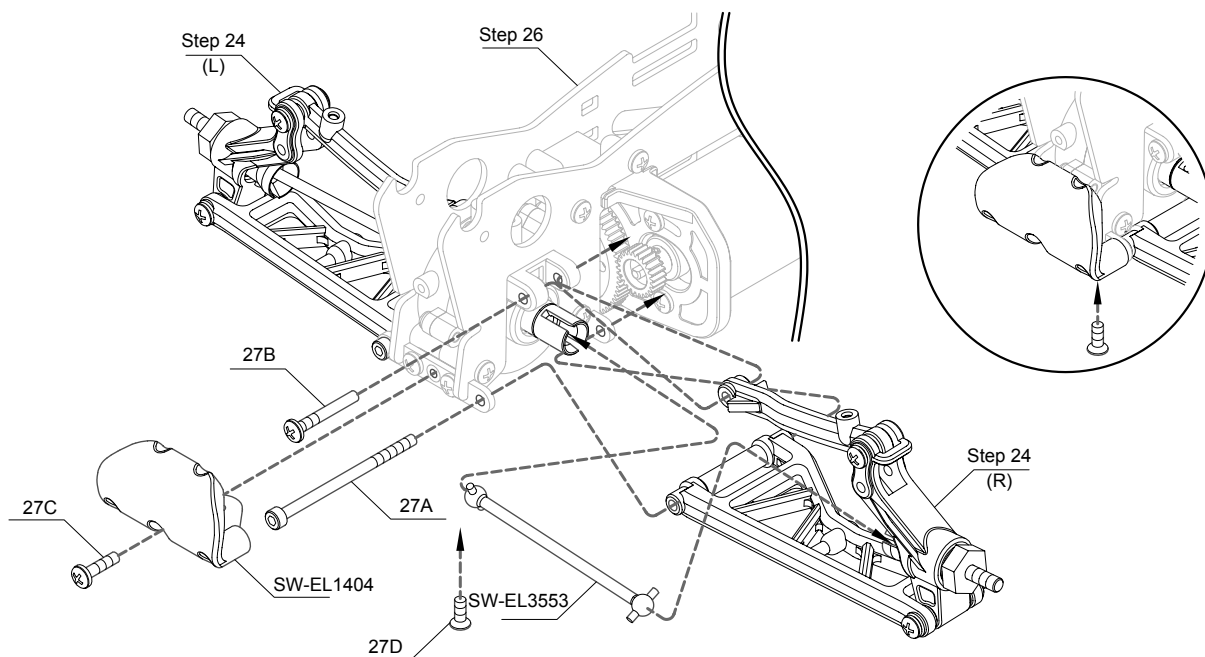
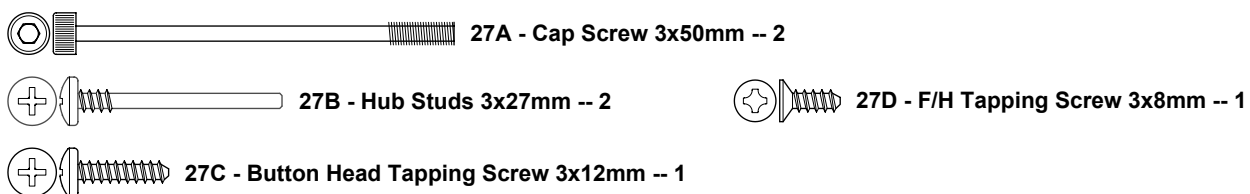
Step 26

Steering Tie-Rods Mounting



Step 27

Rear Suspension and Bumper Mounting



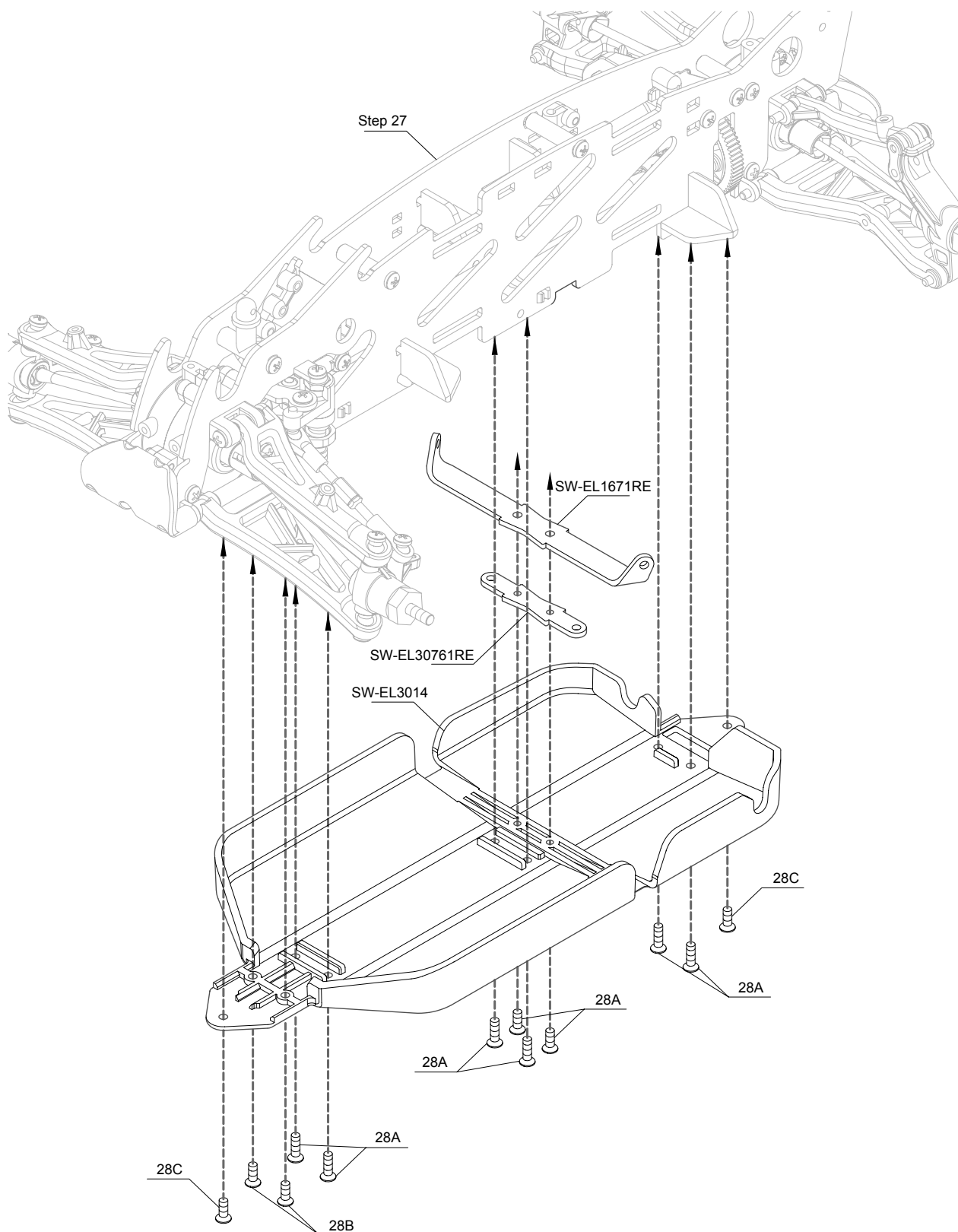
Step 28

Chassis and Support Fixed Plate Mounting

 28A - F/H Tapping Screw 3x10mm -- 8

 28B - F/H Machine Screw w/Threadlock 3x8mm -- 2

 28C - F/H Tapping Screw 3x8mm -- 2



Step 29

Shock Bodies and Shock Shafts



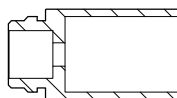
29A - Lock Nut 2.6mm -- 4



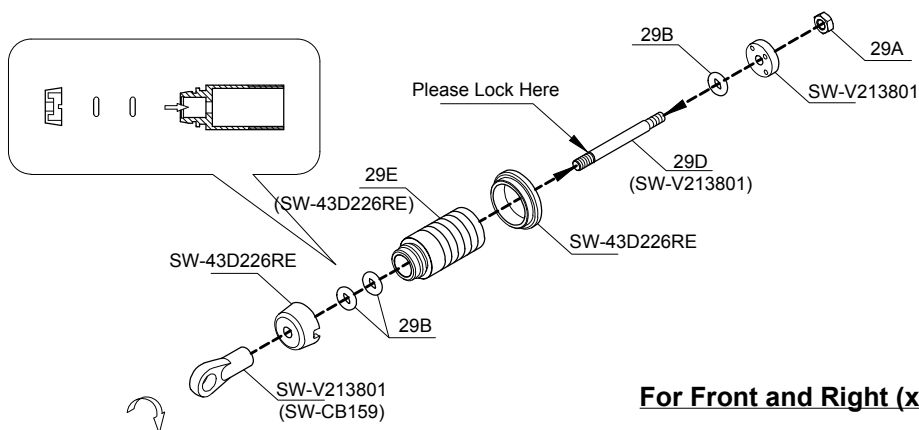
29B - O-Ring 3mm -- 12



29D - Shock Shaft 3x47mm -- 4

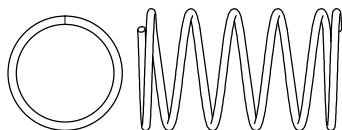
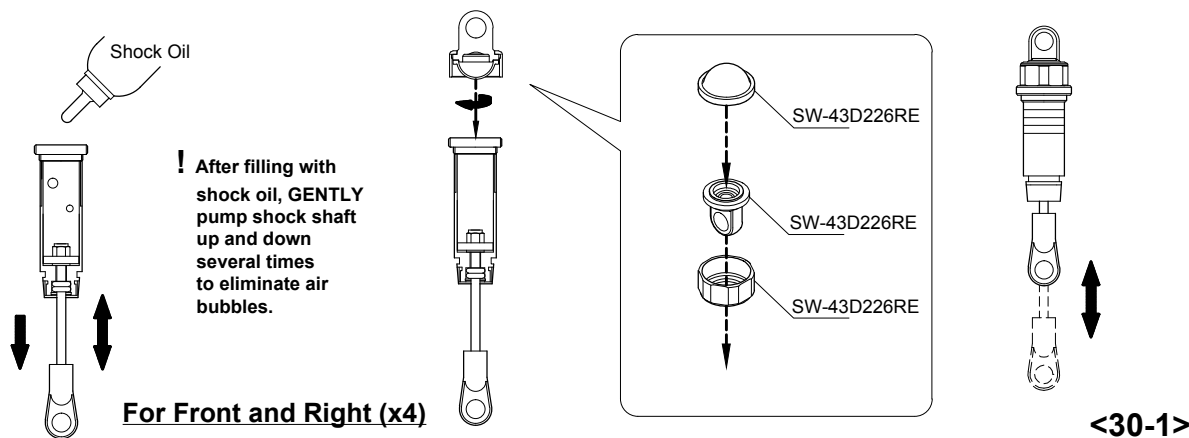


29E - Shock Body 12x22.6mm -- 4



Step 30

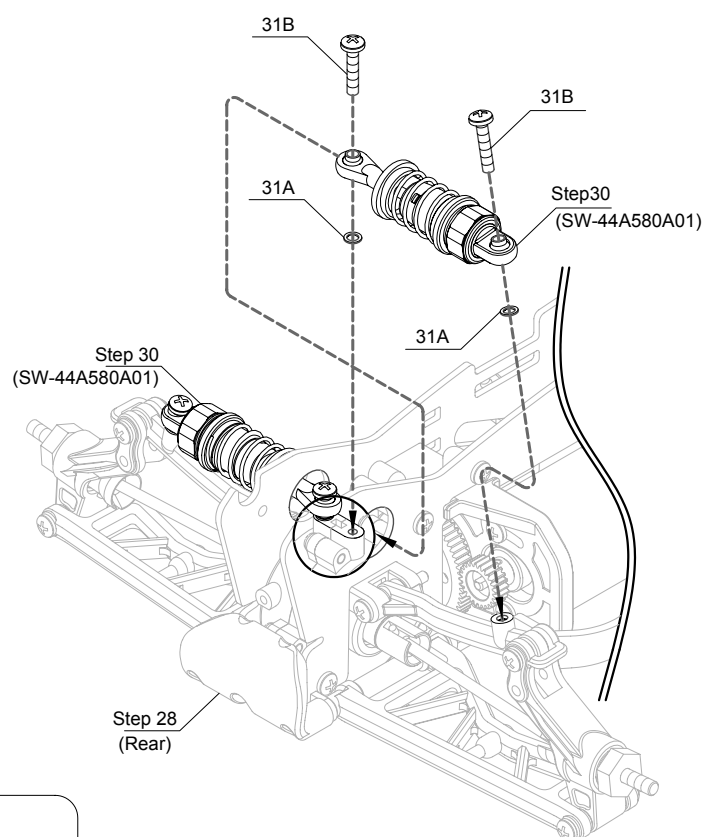
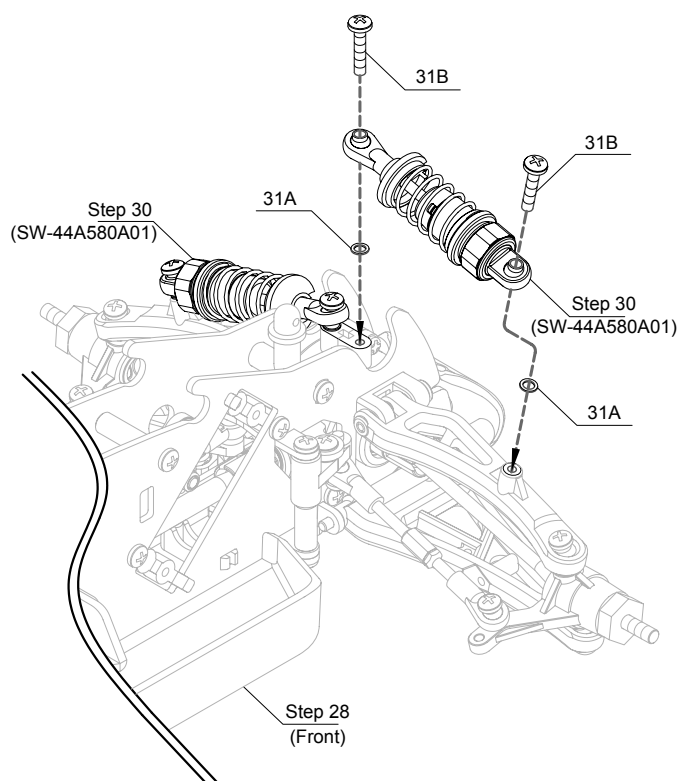
Shock Oil and Shock Springs



30A - Front and Rear Shock Spring 35.5x1.1mm -- 4

Step 31

Front and Rear Shock Mounting

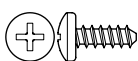
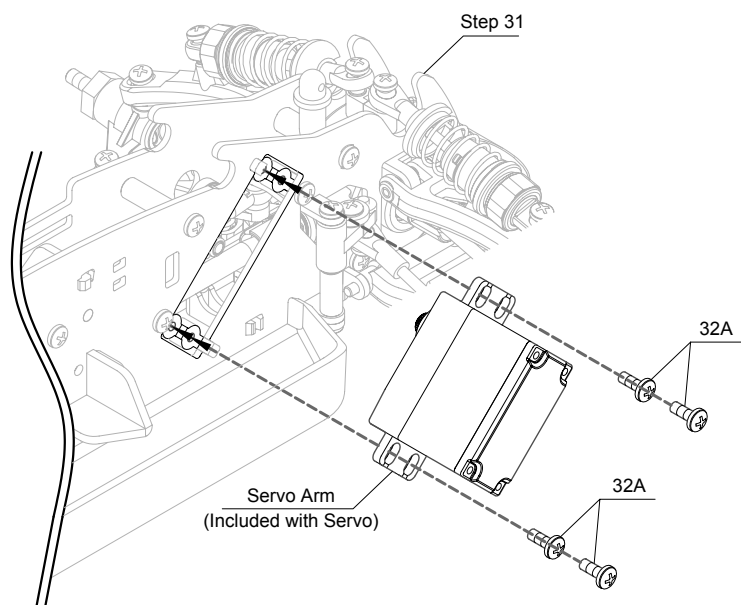


 **31A - Shim 3.2x4.8x0.4mm -- 8**

 **31B - Button Head Tapping Screw 3x15mm -- 8**

Step 32

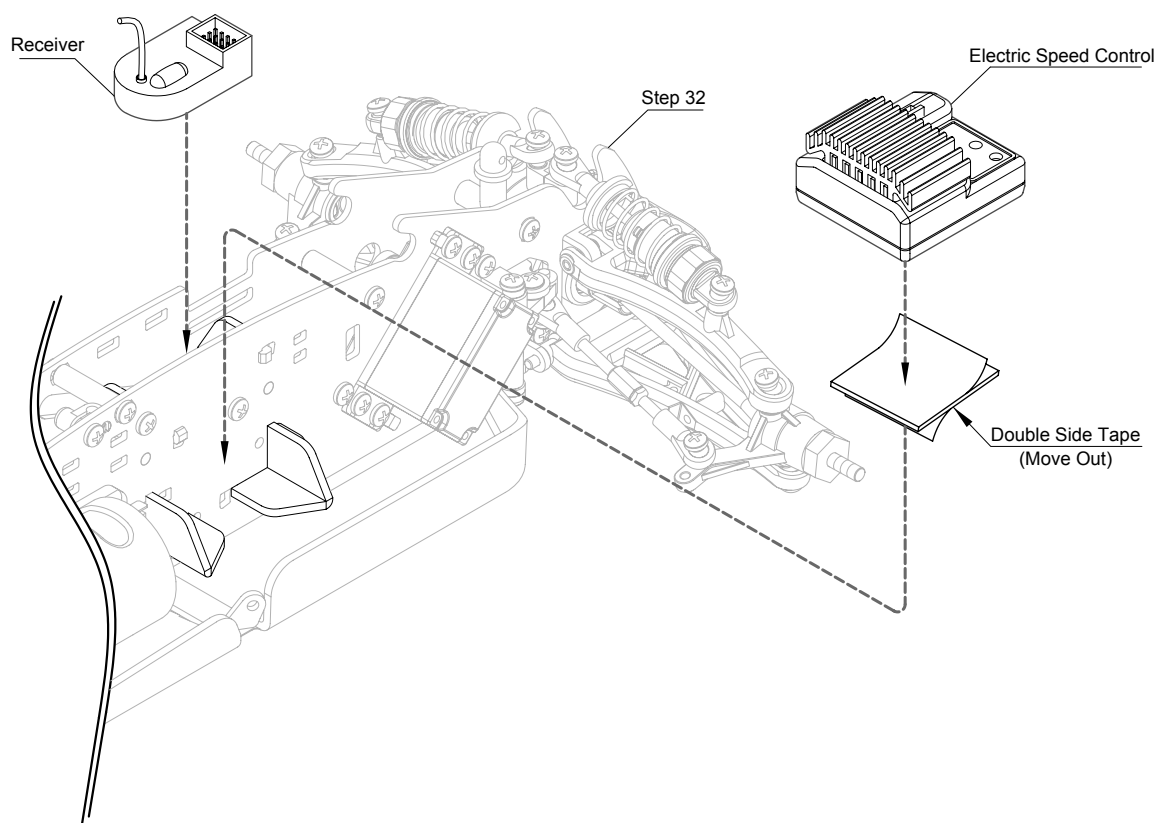
Steering Servo Mounting



32A - Button Head Tapping Screw 3x8mm -- 4

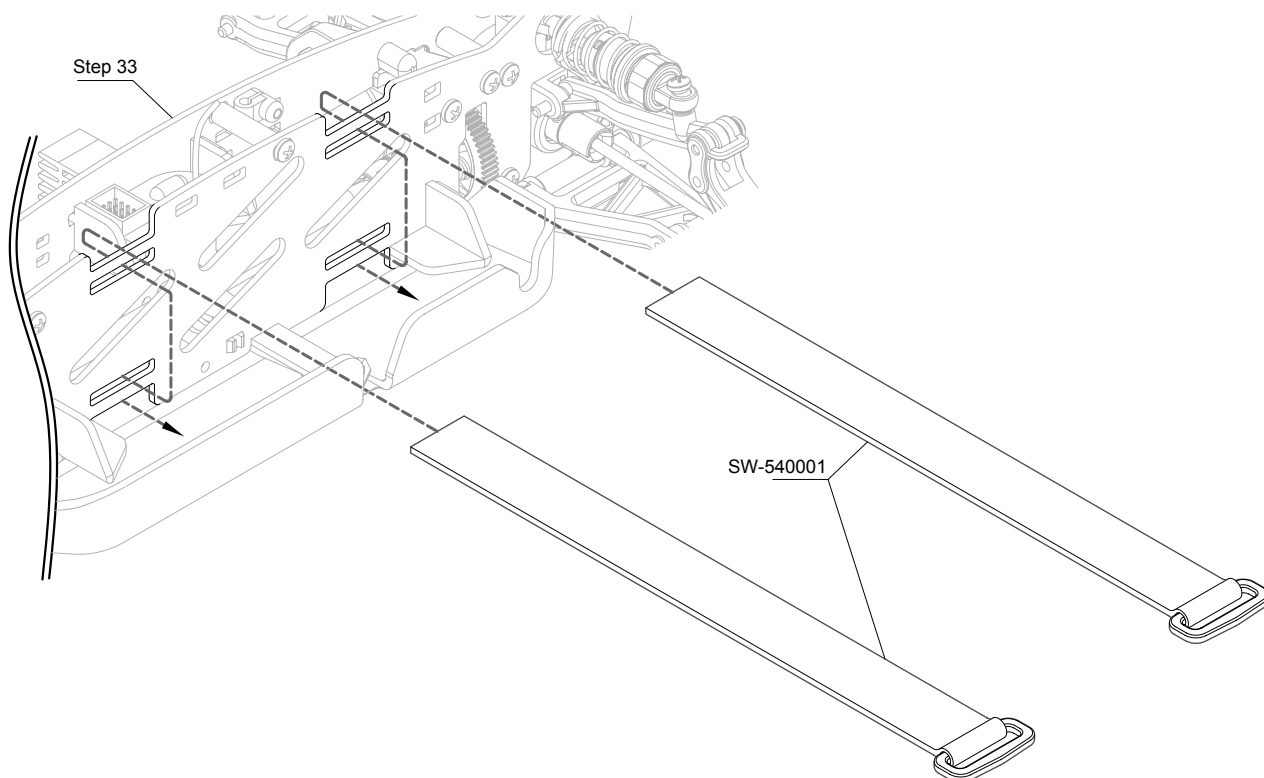
Step 33

Electric Speed Control and Receiver Mounting



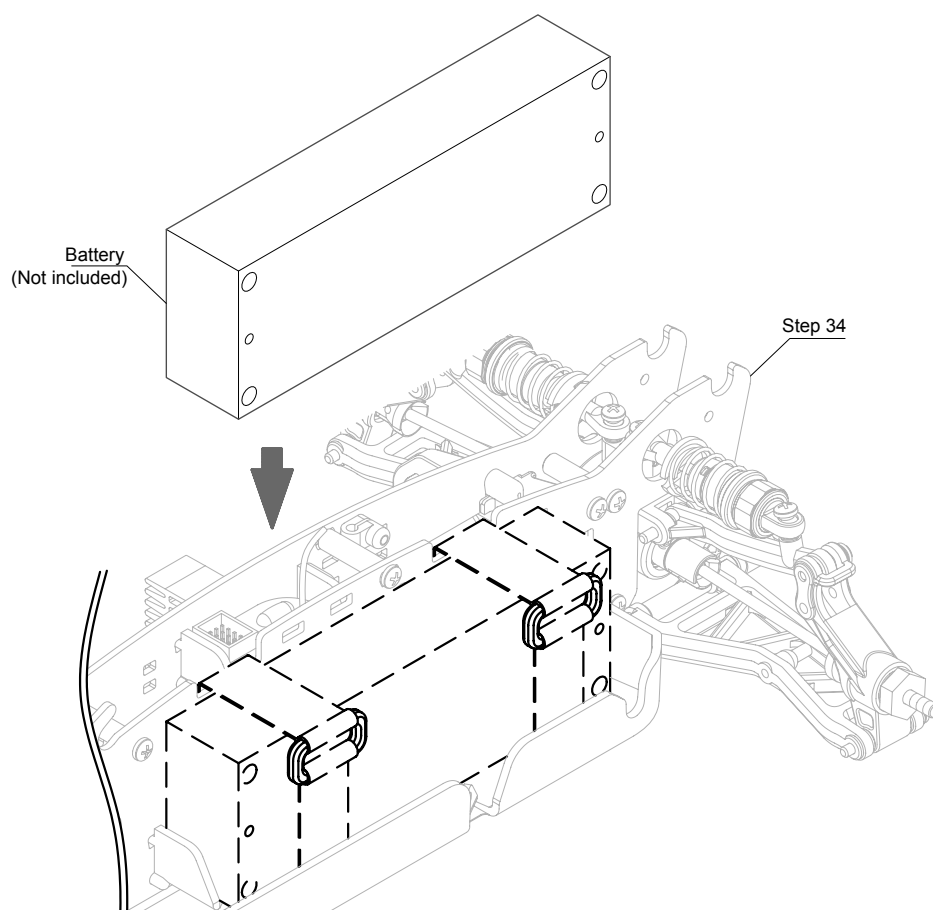
Step 34

Battery Tape Mounting



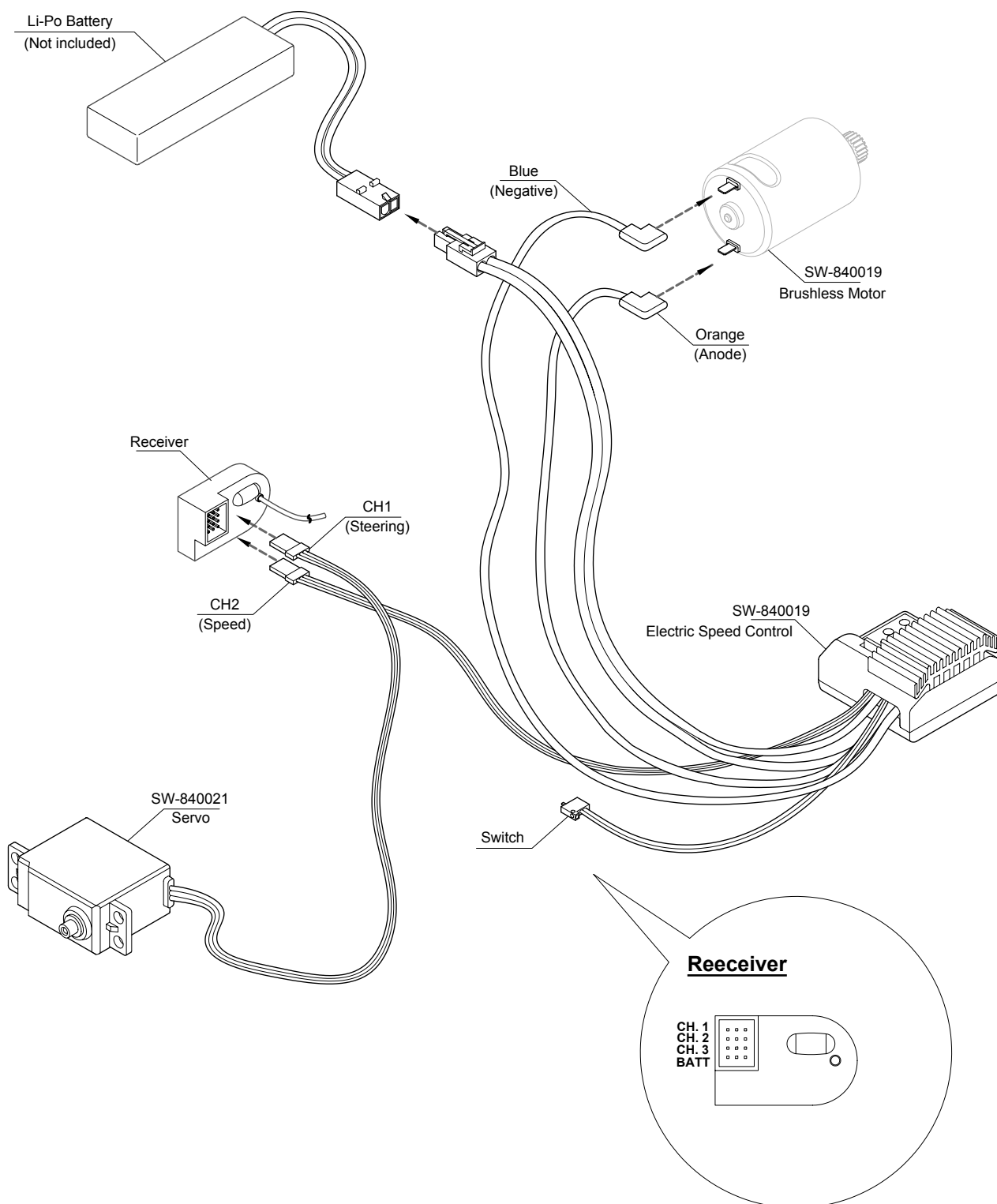
Step 35

Battery Mounting



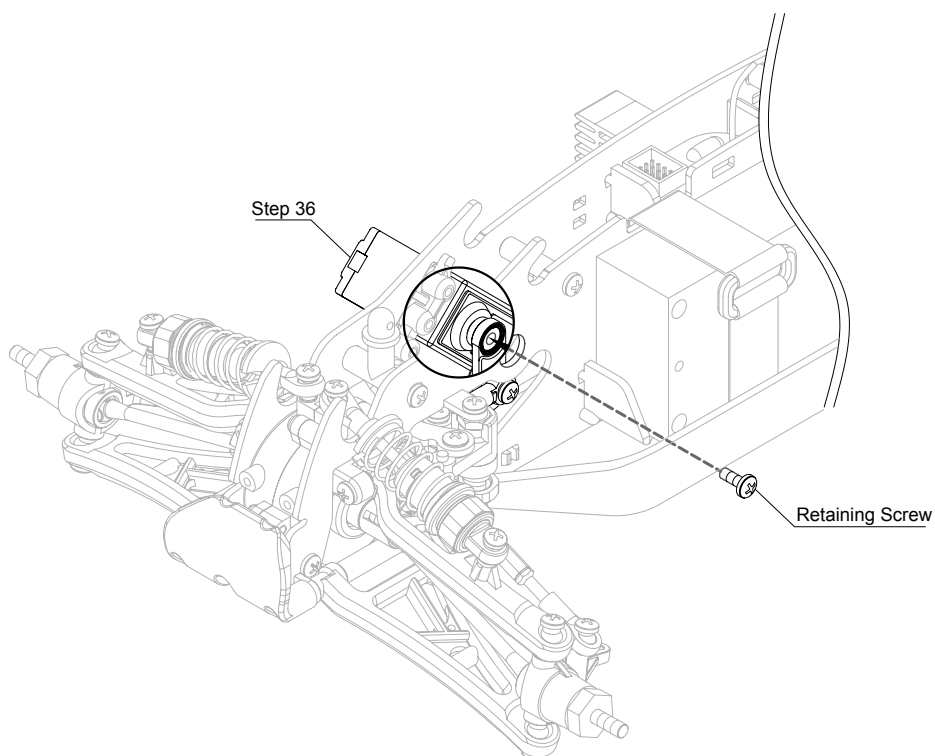
Step 36

Electric Speed Control Install Diagram



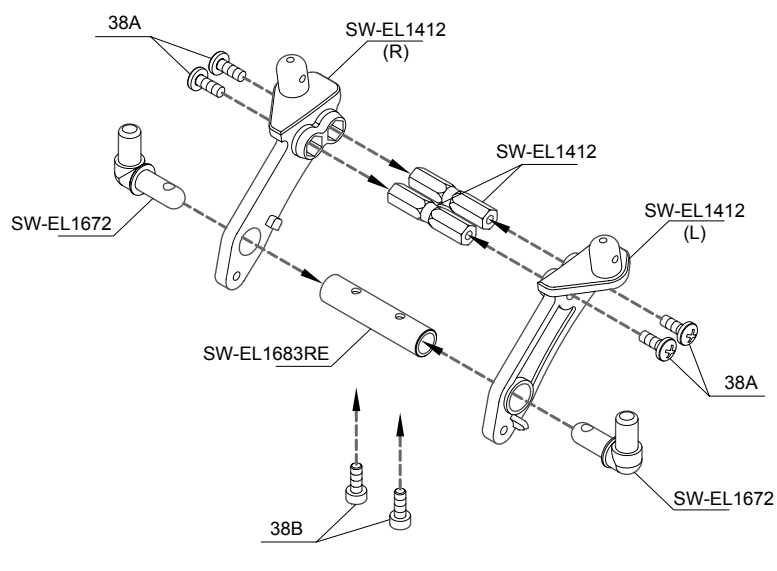
Step 37

Steering Linkage Mounting

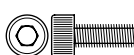


Step 38

Wing Stay

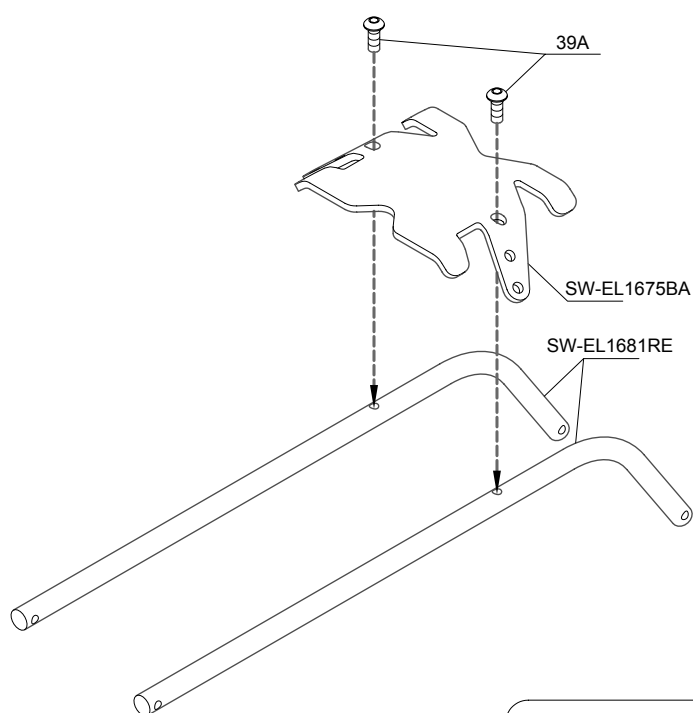


 38A - Button Head Machine Screw w/Threadlock 3x8mm -- 4

 38B - Cap Screw 3x8mm -- 2

Step 39

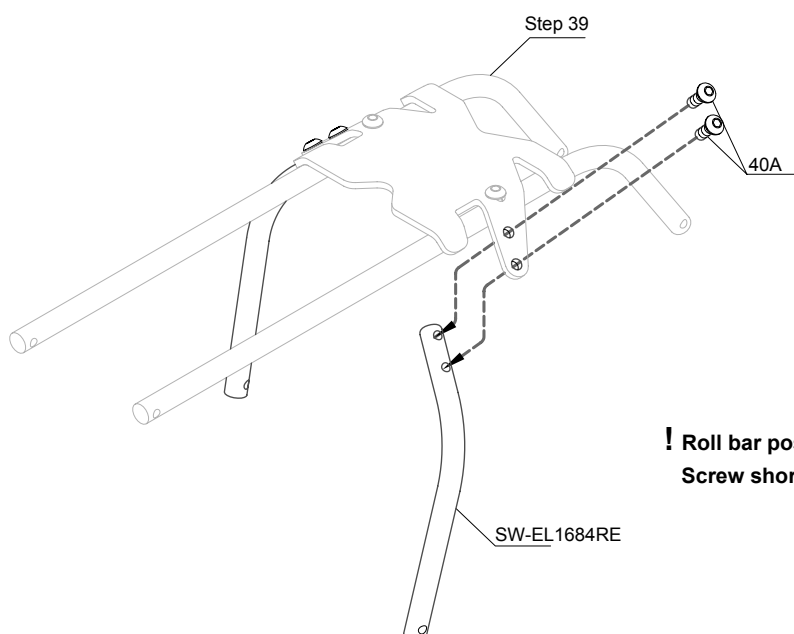
Roof Plate Mounting



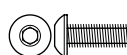
39A - Button Head Machine Screw 3x8mm -- 2

Step 40

Roll Bar Posts



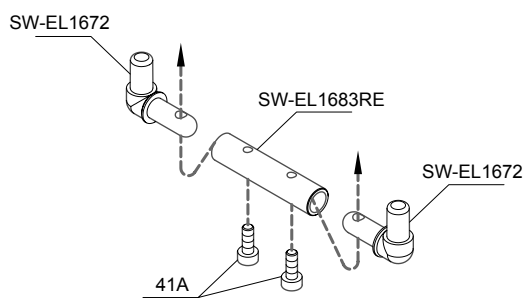
**! Roll bar posts unfinished,
Screw shortly not locking.**



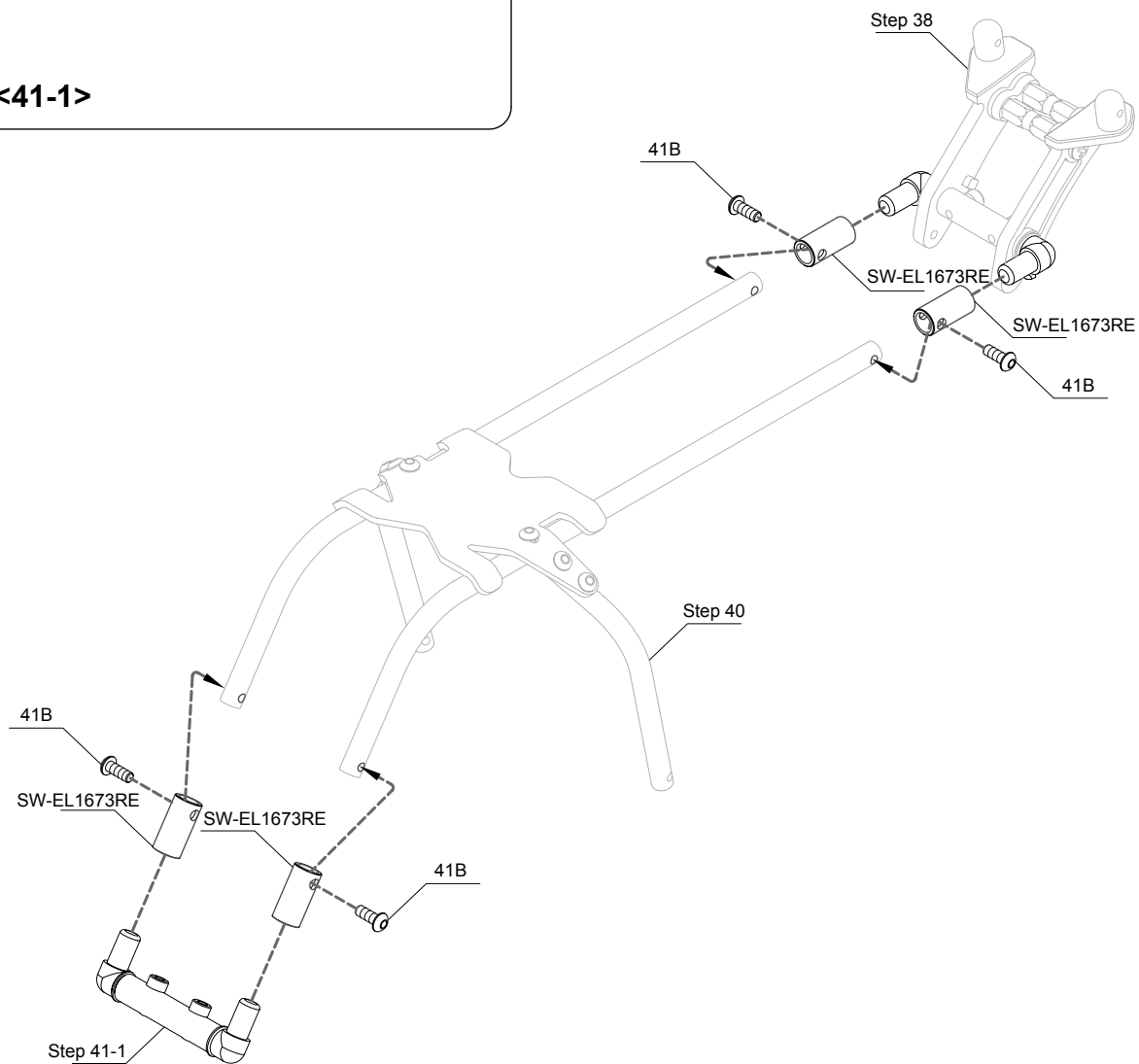
40A - Button Head Machine Screw 3x8mm -- 4

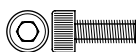
Step 41

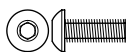
Front & Rear Center Roll Bar



<41-1>

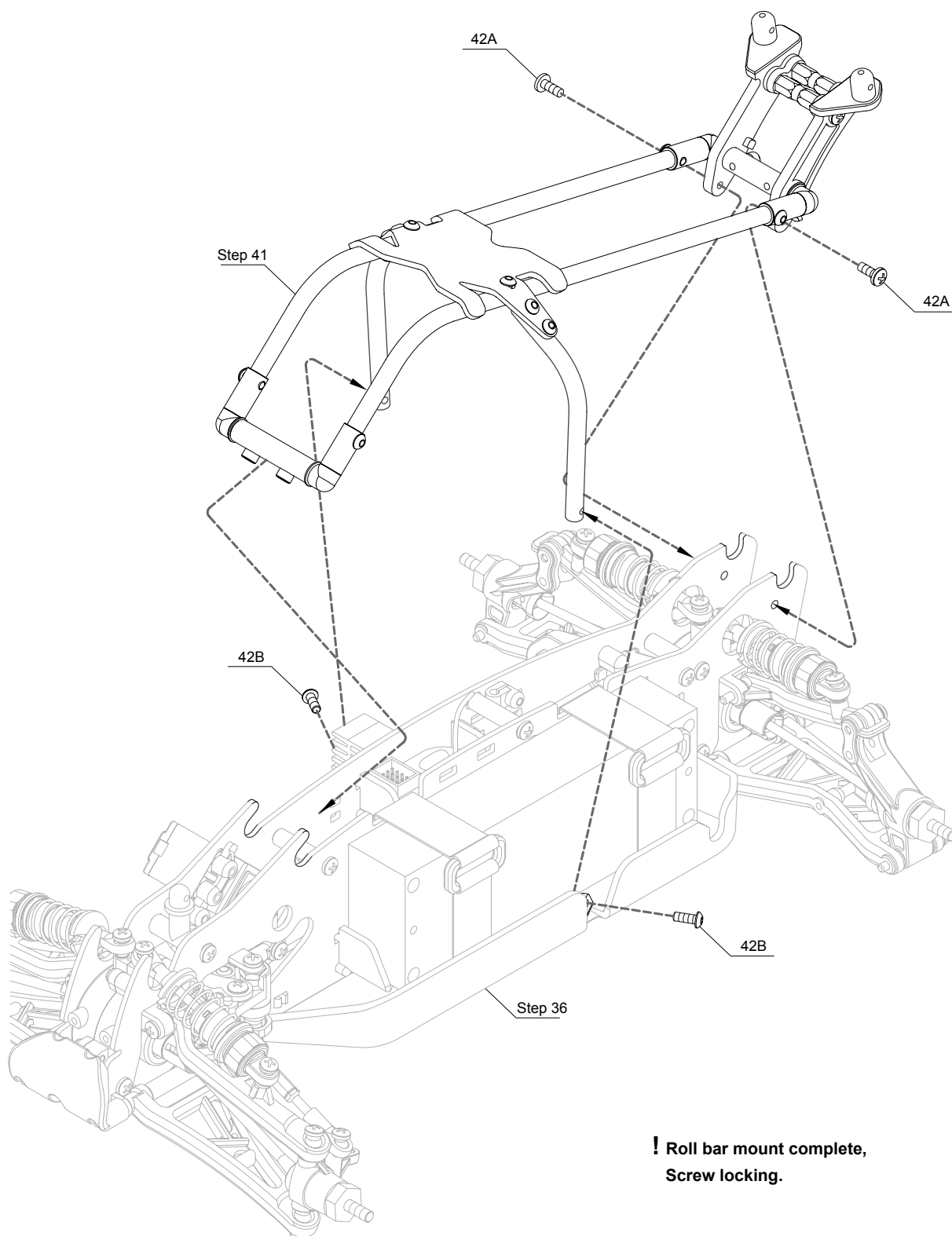


 41A - Cap Screw 3x8mm -- 2

 41B - Button Head Machine Screw 3x8mm -- 4

Step 42

Roll Bar Mounting



 42A - Button Head Tapping Screw 3x8mm -- 2

 42B - Button Head Machine Screw 3x8mm -- 2

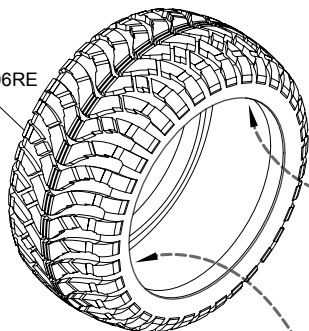
Step 43

Tires and Wheels and Wheel Rings

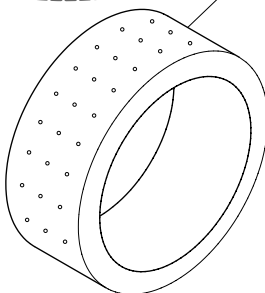


43A - Button Head Machine Screw 3x6mm -- 20

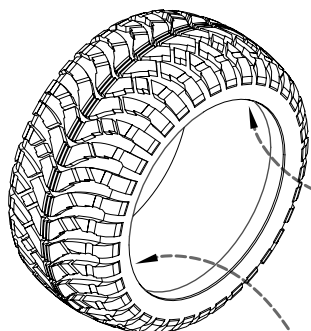
SW-D10B05SBA06RE



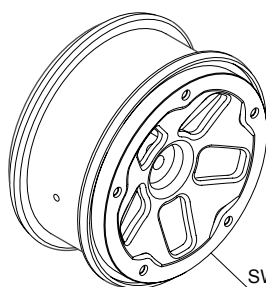
SW-D10B05SBA06RE



For Right and Left Sides (x4)

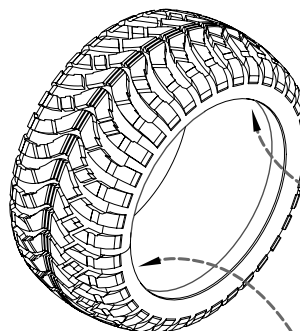


For Right Side (x2)

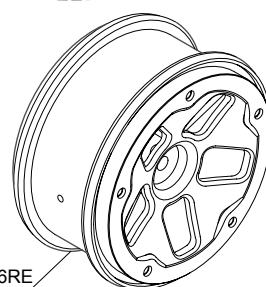


SW-D10B05SBA06RE

For Left Side (x2)

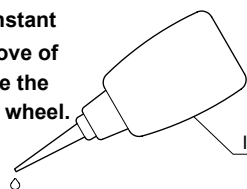


SW-D10B05SBA06RE



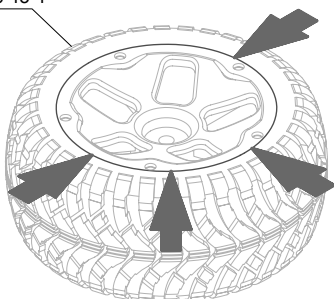
<43-1>

- ! Please glue both sides.
- ! Use small amount instant cement into the groove of the wheel. Make sure the tire is secure on the wheel.



Instant Cement
(Not Included)

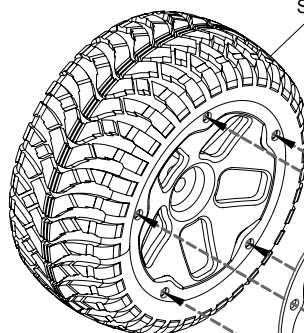
Step 43-1



<43-2>

For Right and Left Sides (x4)

Step 43-2



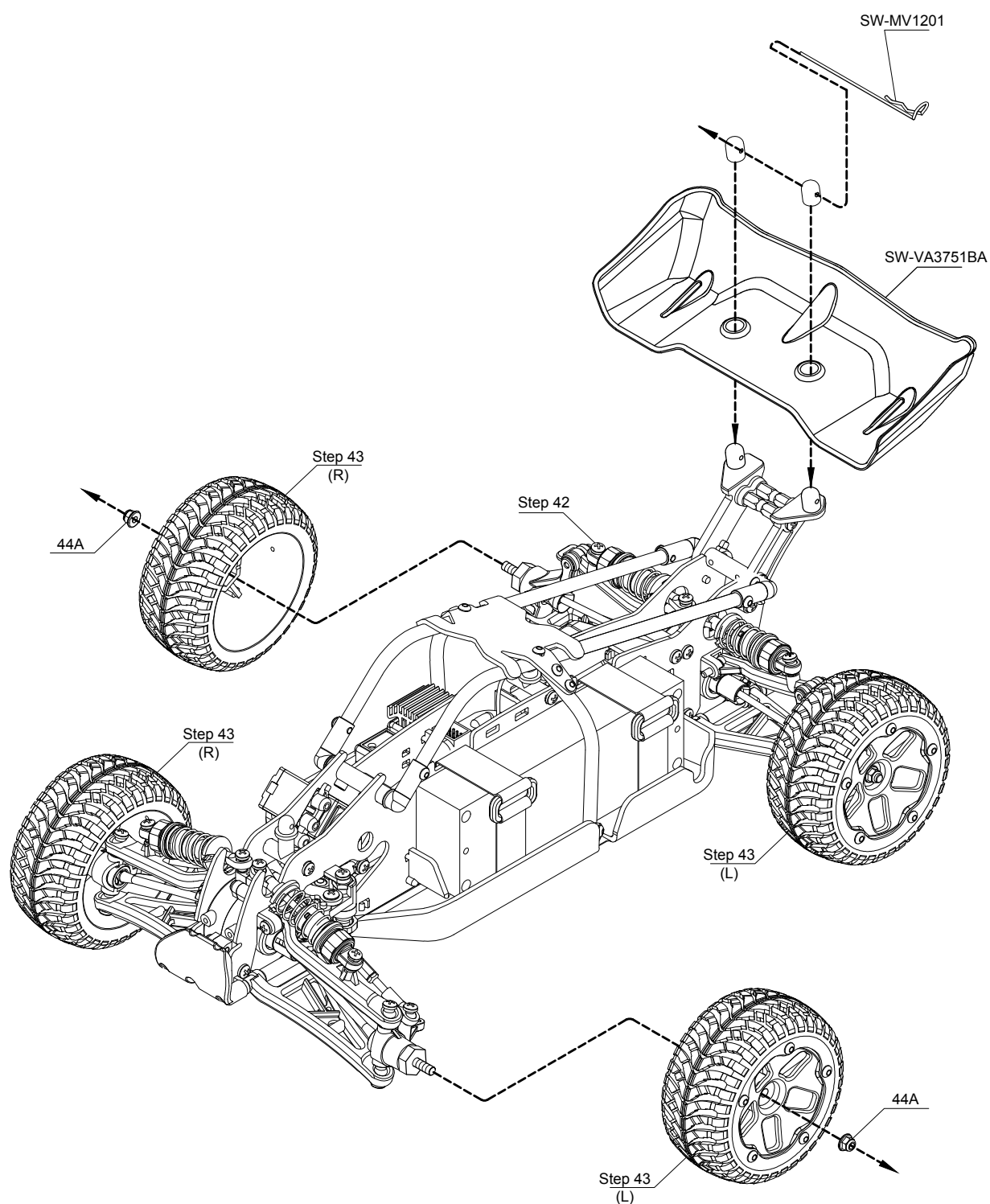
SW-D10B05SBA06RE
(SW-C10A01RE)

43A

For Right and Left Sides (x4)

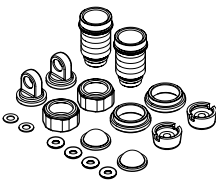
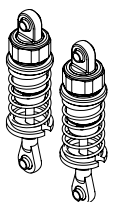
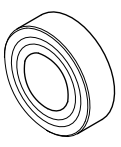
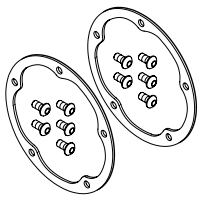
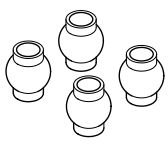
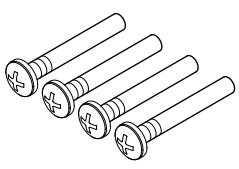
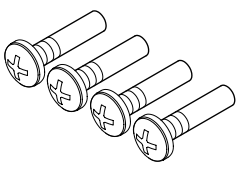
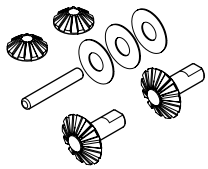
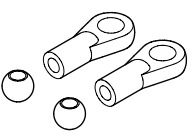
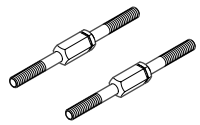
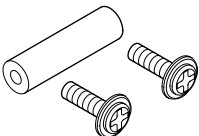
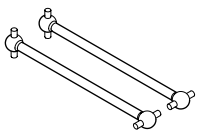
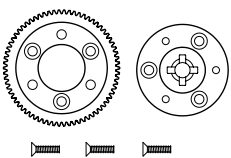
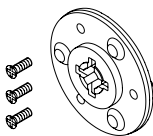
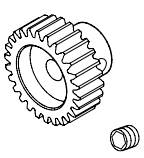
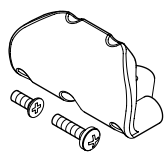
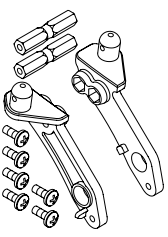
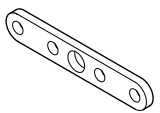
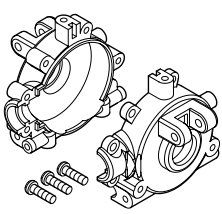
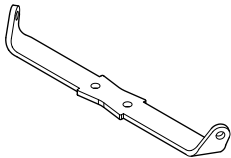
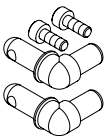
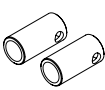
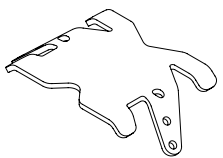
Step 44

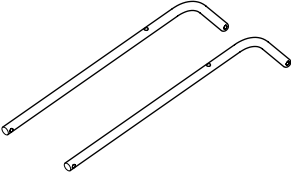
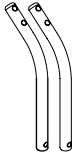
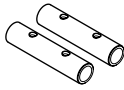
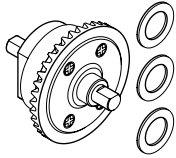
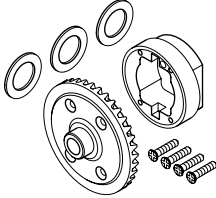
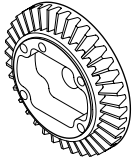
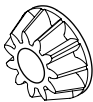
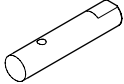
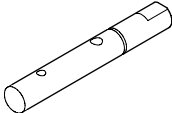
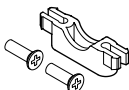
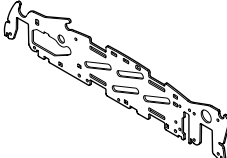
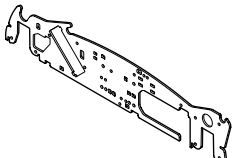
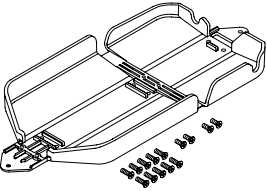
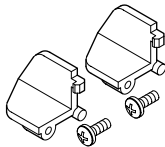
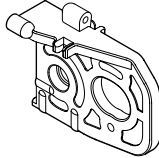
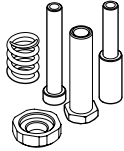
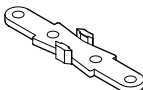
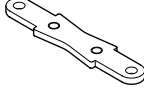
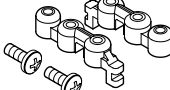
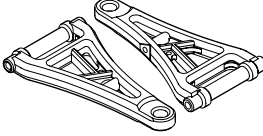
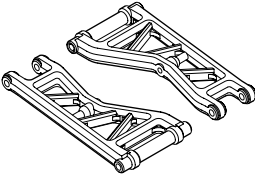
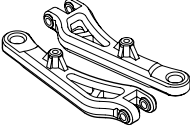
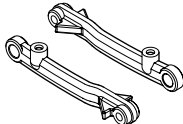
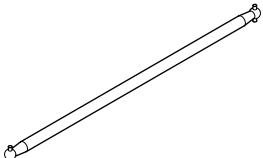
Wheels and Wing Mounting

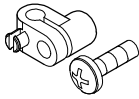
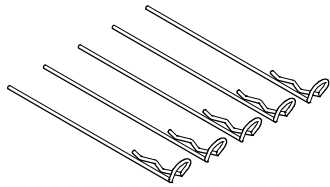
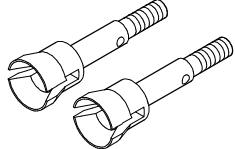
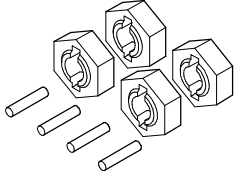
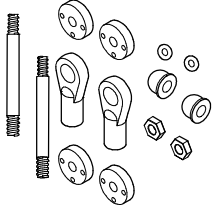
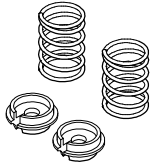
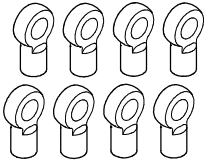
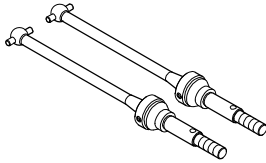
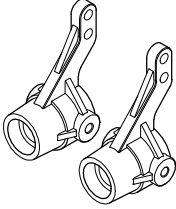
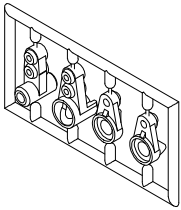
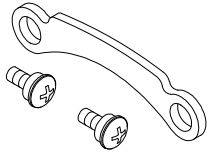
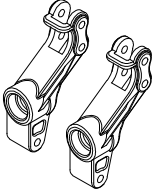
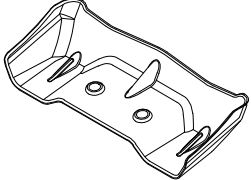
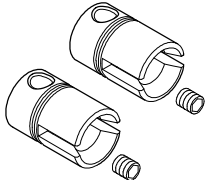
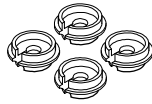
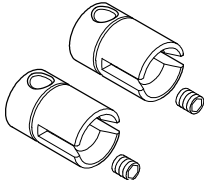
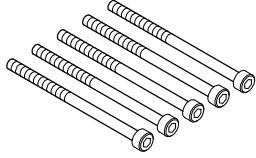
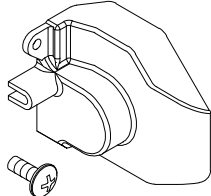
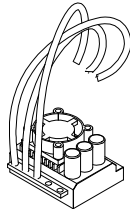
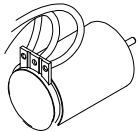


44A - Flanged Lock Nut 4mm -- 4

SWORKz S-Lite 1/10 FOX4x4 REPLACEMENT PARTS LIST

			
SW-43D226RE L=22.6mm	SW-44A580A01 L=68mm	SW-BB051004	SW-BB081404
F&R Shock Body Set 3mm - Red	Shock Set w/Black Springs - F&R	Ball Bearing 5x10x4mm	Ball Bearings 8x14x4mm
			
SW-C10A01RE	SW-CB113	SW-CB150A L=22.5mm	SW-CB150S L=13.5mm
Wheel Plate - Red	Balls - Copper 7x3mm	Hub Studs - Down	Hub Studs - Up
			
SW-CB156	SW-CB159	SW-CB160 L=46mm	SW-CB305 L=22mm
Differential Gear Set	Ball Ends w/Balls	Turnbuckles 5mm	Rod - Aluminum
			
SW-CB355 L=68mm	SW-EL0061	SW-EL00612	SW-EL0221
Rear Dog Bones	Main Gear 70T & Main Gear Mount	Main Gear Mount	Motor Pinion Gear 22T
			
SW-EL1404	SW-EL1412	SW-EL162D7RE	SW-EL1631
Bumper - Black	Wing Mount	Suspension Plate - Red	Gearbox Halves - Front & Rear
			
SW-EL1671RE	SW-EL1672	SW-EL1673RE L=16mm	SW-EL1675BA
Support Fixed Plate - 2mm, Red	Connecting Joint - L Type	Connecting Sleeve - Red	Roof Plate - Black

			
SW-EL1681RE L=220.5mm	SW-EL1684RE L=89.8mm	SW-EL1683RE L=36mm	SW-EL2227
Main Roll Bars - Red	Side Roll Bars - Red	Connecting Sleeve - Red	Differential Set
			
SW-EL2228	SW-EL22811	SW-EL22821	SW-EL22891 L=21.8mm
Differential Case w/Gear	Bevel Gear 37T	Pinion Gear 11T	Pinion Gear Shaft - Front
			
SW-EL22901 L=35.6mm	SW-EL3002	SW-EL3002LBA	SW-EL3002RBA
Pinion Gear Shaft - Rear	Side Fixed Stand	Side Plate Left - 2mm, Black	Side Plate Right - 2mm, Black
			
SW-EL3014	SW-EL3024	SW-EL3045	SW-EL30731
Chassis - Plastic	L Type Fixed Stand	Motor Mount	Servo Saver Metal Set
			
SW-EL30761	SW-EL30761RE	SW-EL3101	SW-EL347F2
Serve Saver Plate - Plastic	Servo Saver Plate - 2mm, Red	Servo Stand	Suspension Arm Lower - Front
			
SW-EL347R2	SW-EL349F2	SW-EL349R2	SW-EL3553 L=189mm
Suspension Arm Lower - Rear	Suspension Arm Upper - Front Left & Right	Suspension Arm Upper - Rear Left & Right	Swing Shaft

			
SW-EL3746	SW-MV1201 L=80mm	SW-V21051 L=36.9mm	SW-V21071 L=5mm
Antenna Stand	Body Clips Type "R"	Servo Saver - Plastic	Driver Washer Hex
			
SW-V213801 L=30.5mm	SW-V21383BA L=35mm	SW-V22151	SW-V2357L L=100mm
Front Shock Shaft Set 3mm	Front&Rear Shock Springs - 1.1mm Black	Ball Ends	CVD Universal Joint 5mm
			
SW-VA134	SW-VA3071	SW-VA30751	SW-VA3461
Wheel Hub - Front Alu	Servo Saver Plastic Parts	Servo Saver Steering Plate 3mm - Dark Titanium	Rear Hubs - Left/Rear
			
SW-XV3752BA	SW-VX103 L=16mm	SW-XV1386	SW-VX144 L=17mm
Wing - Black	Pinion Output Joints	Shock Spring Mount	Pinion Output Joints
			
SW-WCAP3X50H L=50mm	SW-D10B05SBA06T1	SW-EL30451	SW-840018
Cap Screw 3mm	Desert Tire+Wheel-Black+Insert+ Wheel Plate-Dark Titanium w/Glued	Gear Cover	SWORKz SE-50 50A 1/10 BL ESC (Made by HobbyWing)
			
SW-840019			
SWORKz SP-3500 3652 BL MOTOR FOR 1/10 RTR (Made by HobbyWing)			

FOX 44

1/10 4x4 MiniCage Buggy



Sworkz

SPEEDMASTER HOBBY CO., LTD.

TEL : +886-3-538-7638

FAX : +886-3-538-7328

No.42, Ruiguang., Xiangshan Dist.,

Hsinchu City 300, Taiwan (R.O.C.)

www.sworkz.com

www.sworkz-europe.com