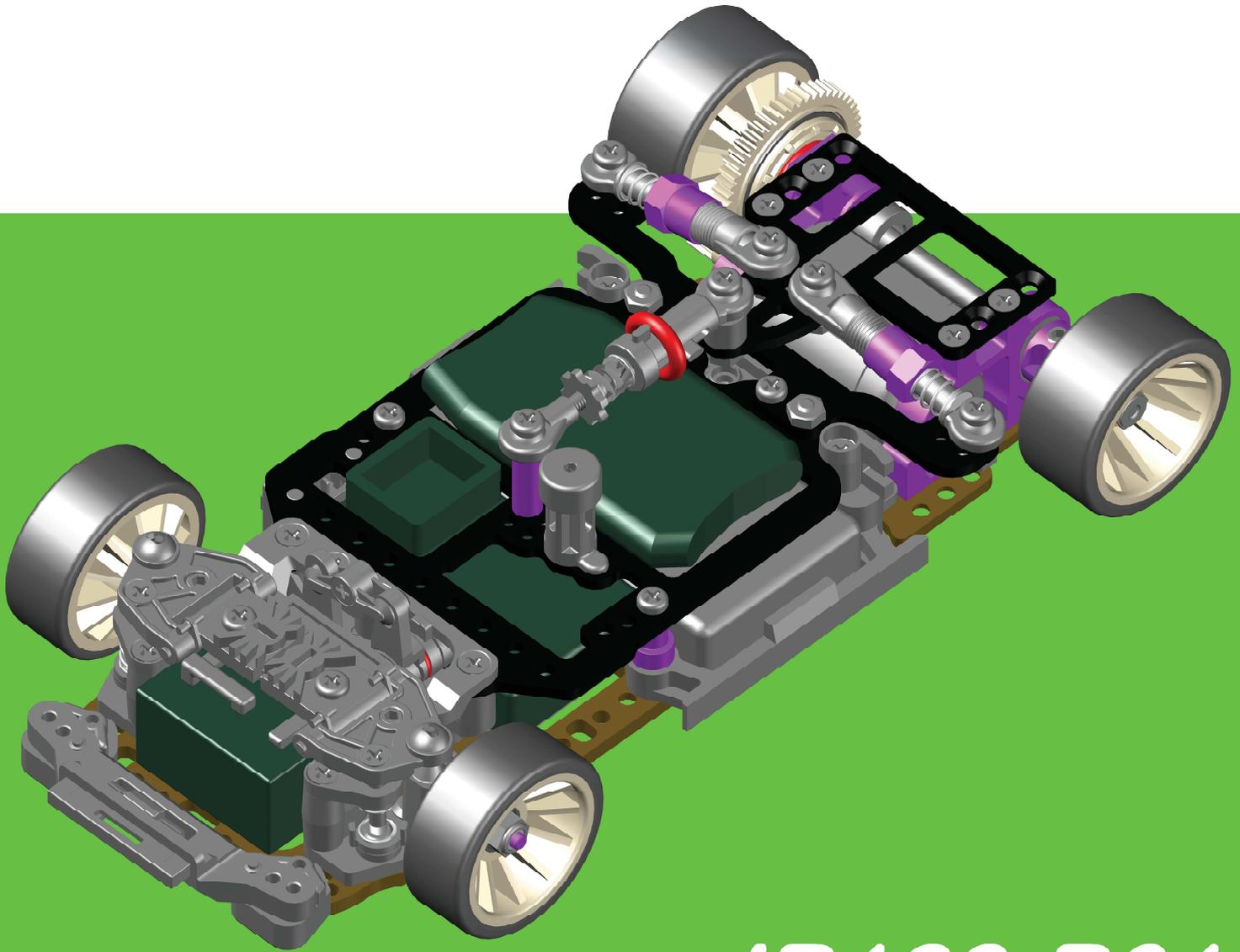


1/28 2WD indoor RACER PRO-KIT



JR128-R01 PRO-KIT (& brushless)

INSTRUCTION MANUAL

PLEASE READ THIS MANUAL THROUGH THOROUGHLY BEFORE USE



Li-po



Ni-MH



Alkaline



Ni-Cd



Li-Ion



0-3



14+



Product Order-No.:

JOM280120 brushed stock version (+ charger)

JOM280121 brushed stock version

JOM280125 brushless version

JOMUREVA[®]
RC-RACING-CAR TECHNOLOGY
.COM

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1. About this Model

Thank you for purchasing this 1/28th scale JR128-R01 2WD indoor Racer PRO - Kit.

JR128-R01 series models are ultra small high performance 2WD indoor racing cars with a lot of very advanced opportunities for fine tuning and car setup, which you might find very surprising in a car of this very small size.

9 ball bearings, an adjustable ball differential with 64dp fine pitch, brass base plates, upper carbon plates and many aluminium parts make you really ready to race out of the box.

JOM280120 & JOM280121 are equipped with a 1S / 3.7V Lipo battery (+ charger only for JOM280120) and a brushed stock motor with brushed ESC.

JOM280125 comes with a 2S / 7.4V Lipo battery, a brushless motor and brushless ESC, aluminium steering knuckles, a transponder holder and a fast 11mm Digitalservo.

Various other commercially available steering servos, micro receivers and micro car ESCs for brushed or brushless motors from other brands can be built in and used in this car. (Attention: Do not use motors with less than 40 turns (40T) together with the brushed ESC from JOM280120 & JOM280121, to avoid damage of the ESC!)

The chassis offers the following features:

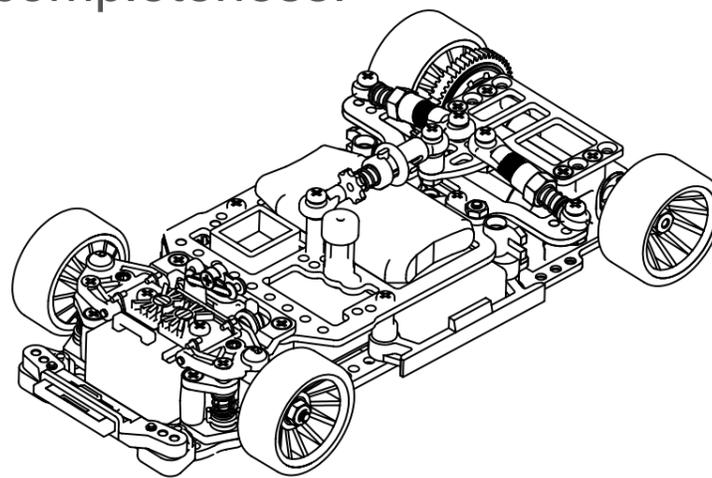
- Caster-angle at front suspension adjustable in three positions: 1.1°, 2.7°, 4.4°.
- Camber-angle at front suspension left and right adjustable: from 0° to -2.5°.
- Toe-in / Toe-out adjustable at: 0°, +1°, +2°, -1°, -2°.
- Droop limits at front suspension free adjustable.
- Adjustable springs at front suspension.
- Ground clearance front and rear adjustable on 4 levels in steps of 0.7mm.
- Longitudinal damper with spring and droop-spring fully adjustable.
- Cross-dampers with springs for fine tweak adjustment.
- Rear scale body holder adjustable in height with included washers. Second rear scale body holder for wider scale bodies included.
- Front scale body holder set adjustable to most scale bodies from other brands for wide front and 98mm or 102mm wheelbase.

2. Content of your Box:

The box of your new JR128-R01 indoor racer contains the following items:
Please check the contents of your box on completeness:

Not assembled JR128-R01 PRO RC CAR KIT:

- High Resistance Professional Chassis
- Adjustable Front Suspension
- Adjustable Rear Suspension
- 9x Ball Bearings
- Ball Differential (V-Groove PN)
- 12mm (or 11mm) Steering-Servo;
- JOM280120 & JOM280121:
Brushed Stock Motor / 130 Class; 1S / 3.7V programmable brushed ESC
- JOM280125:
Brushless Motor; Hobbywing 2S / 7.4V / Brushless ESC programmable;
Aluminium Steering Knuckles; Transponder Holder



Manuals and Decal:

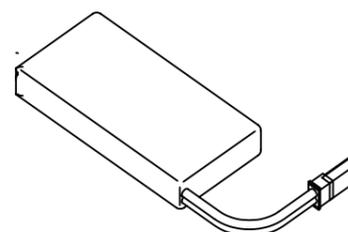
- Manual for JR128-R01-PRO indoor Racer
- Color Decal for Car Body

Lithium Polymer (Lipo) Battery:

- JOM280120 & JOM280121:
1S / 3.7V / 840mAh / 25C Lipo Battery
- JOM280125:
2S / 7.4V / 25C / 420mAh Lipo Battery

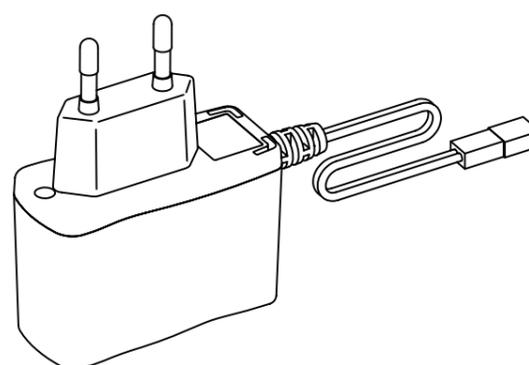
Miscellaneous Parts and Tools (8 Bags):

- Cross-Screwdriver; Hex-Wrench-1.5mm; +3 different plastic Tools
- Front Body-Holder-Adjustment-Set for many other Car Bodies
- Miscellaneous adjustment Parts and Washers
- Steering- Servo-, Rear Body-Holder and Adjustment Parts
- Other Pinions and replacement Gear for Change of Car-Speed
- Steel- and Replacement Parts and Springs for Change of Setup
- O-Rings for Replacement
- Screws for Replacement
- All plastic Parts from plastic RTR-Set



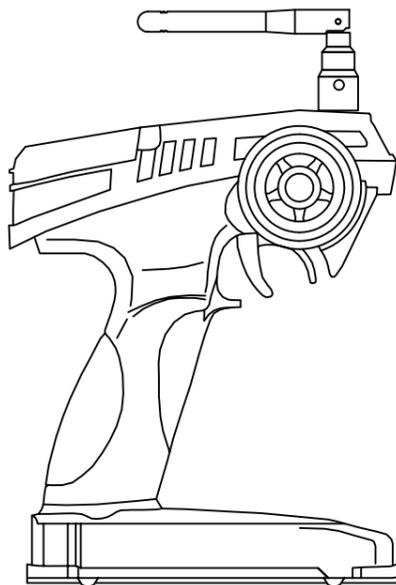
Charger for Lipo Battery:

- Only for JOM280120:
1S / 3.7V / Lipo Charger;
Approx. 1A charging Current



Optional: Not included in the PRO KIT (recommended):

JOM280400 & JOM280401



FS-GT2 / 2.4 GHz digital proportional
Radio Transmitter & Receiver:

- Channels: 2channels; Model type: car / boat
- RF power: less than 20dbm; Modulation: GFSK
- Code type: digital; Sensitivity: 1024
- Low voltage warning: yes (less than 9V)
- DSC port: yes (3.5mm); Charger port: yes
- Power: 12vdc (1.5AA*8); Weight: 328g
- ANT length: 26mm;
- Size: 159*99*315mm; Color: black
- Certificate: CE, FCC;

8x AA-Batteries for TX not included!

Something missing or damaged out of your Box?

If you find some items missing or visibly damaged out of your new original box, please contact your dealer. Please describe your problem as clear as possible and add some photos of broken parts for easy and fast clarification.

If your new car does not function properly at your first trial, after having followed all informations and assistances from the manuals, please contact your dealer as well and try to describe the defect as precisely as possible.

In any case your dealer will try his best to help you with your problem as fast as he can and will arrange replacement of broken, defective or missing parts.

Still some questions? Or missing of some informations?

For all kinds of further information regarding technics, adjustment, spare parts and option parts, please check on our website: www.jomurema.com.

All manuals for all our products will be kept available for download on this website.

If you have some open questions which this manual, your dealer or your fellow racers could not answer, please refer to us directly by using the contact form on our website for further clarification.

3. Safety Precautions:

Please read carefully before assembling and operating your model.



WARNING! This symbol indicates where caution is very important to avoid injury to yourself and others.



PROHIBITED! This symbol points out actions which you should not do to avoid possible damage and accidents.

- We recommend first time builders to seek advice from people with building experience in order to assemble the model correctly and to reach highest possible driving performance.
- For assembling of this kit choose a place out of reach of children.
- Before starting operating this model, take enough safety precautions. You are responsible for assembly and safe operation of this model.
- Even after completing the assembly of this model, keep always its instruction manuals at hand for quick reference.
- It is recommended to take out liability insurance.

- **This radio controlled model is not a toy!**

This model is suitable for people of 14 years and older.



Li-po
 Ni-MH
 (Alkaline)
 (Others)

- The power supply for the product you have purchased is a rechargeable Lipo (Lithium Polymere) battery. The power supply of the Radio Transmitter (Tx) for this product can be rechargeable AA / Ni-MH batteries, or non rechargeable AA / Alkaline batteries or others. All defect or old batteries which you use with this product must be recycled or disposed of properly according to laws, regulations and standards in your country.



WARNING: CHOKING HAZARD:

Small parts. Not for children under 3 years old.

Because this product includes small, edgy and sharp parts, store, assemble and operate the product only in areas out of reach of children.



NEVER change polarity of the battery-plugs. This may lead to damage of electronics or damage, leakage or fire of the battery.



NEVER operate the car without car body properly attached. Body protects suspension parts from damage in case of impact.



Do NOT operate or store this model in areas with high temperature or high humidity nor under direct sunlight.



Cutters, wire cutter and screwdrivers as well as sizzers and any other kind of tools need careful handling in order to avoid injury.



The protruding front end of the antenna of your pistol transmitter may be dangerous. Do NOT swing or aim it towards faces.



Even when the power switch of your JR128 racer is turned off there is still a small current flowing. To avoid deep discharging of your Lipo battery with possible leakage, damage or fire always turn OFF the power switch on the car and then unplug and remove the Lipo battery from the car immediately after running!



Always turn OFF the power switch of your car before removing the body.



Do NOT touch moving gears. This can cause injury.



When starting running you car always switch ON first the Transmitter (TX) and afterwards switch ON the car!



When finishing your running session always switch OFF first the car and afterwards switch OFF the Transmitter (TX)!

Always unplug and remove the Lipo battery immediately from the car after running!

Do NOT operate this model car on public roads, in crowded places or near children. Neither operate the car when there are pets or any other animals around.



This can cause accidents with injuries.

After and during operation the motor and battery will be hot. Do NOT touch them before they have had sufficient time to cool down.



Do NOT operate your car in wet, dusty or sandy conditions, or on soft / thick carpets. Such surfaces or conditions can damage its operating parts.



Do not use thinner, alcohol or water to clean your cars body. Best is to wipe it down with a soft, clean cloth, or a dry, soft brush.



NEVER use thinner, alcohol or water to clean your cars chassis. This will cause damage to electronic and operating parts. Simply use a soft and dry brush to remove all the dirt and dust.



For reasons of product liability do NOT use any other parts not made by JOMUREMA in this model. To avoid causing irreparable damage do NOT attempt any modifications.



4. About Lipo batteries:



4.1: General Instructions and Tips about LiPo Batteries:



- Always use a charger made to charge LiPo packs
- Double check that the settings for the lithium polymer charger are correct for the pack being charged. This includes the cell count (1S, 2S, ...), as well as the current settings. In general, most lithium polymer batteries should be charged to no more than 4.2 volts per cell or depleted to less than 3.0 volts per cell.
- Ensure that charging leads are connected correctly. Reverse charging can lead to cell damage or fire or explosion.
- Always charge LiPo batteries on surfaces that won't catch fire such as cement, steel, ceramic or stone. Wooden tables and carpeted floors are not recommended charging surfaces.
- Do not charge batteries near flammable products or liquids.
- Never charge a LiPo battery while inside your model or other electronic devices. If it catches fire it can lead to total destruction of the item it is being charged in.
- LiPo batteries should be charged within a temperature range of 0°C to 50°C. Batteries charged outside this temperature range may experience leakage, heat generation or cell damage.
- Never leave a charging lithium polymer battery pack unattended.
- Do not charge inside an automobile, especially while driving.
- Do not store batteries inside an automobile.
- If unsure of the charge rating, never charge a lithium polymer battery pack at a rate over 1C (1 x the battery packs rated capacity).
- Never charge a LiPo pack that has ballooned or swelled due to over / under charging or from a crash.
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- Never, under any circumstances let the positive and negative battery leads touch each other. It can lead to cell ballooning, cell damage or fire or an explosion.
- Have a fire extinguisher near the charging area or a large bucket of dry sand. Do not try to extinguish with water.
- If you notice your LiPo battery pack is swelling, stop the charging process immediately, put the battery in a safe container and observe it for 15 minutes.
- Always charge your Lipo battery packs in a Lipo charging safe bag.

4.2: LiPo Battery Handling & Storage:



- Keep LiPo battery packs WELL out of reach of children.
- Do not put battery packs in pockets or bags where they can short circuit.
- Do not store or transport batteries where they can come into contact with sharp or metallic objects.
- Do not store your LiPo pack in extreme temperatures below 0°C or above 50°C.
- Always store your LiPo pack in a safe and non flammable container away from flammable objects. A LiPo Sack or metal / ceramic storage container is best.
- Always store your LiPo's partially charged. They will maintain their performance levels over time and there's no need to cycle them unless stored for periods longer than 3-6 months. When storing batteries for such extended periods, store at a half charged state.
- Do not immerse the battery in water or allow the battery to get wet.
- Do not dispose of in fire or heat.
- When mailing or shipping LiPo batteries, always ship them at a 30% charged state for safety reasons.
- To dispose of a LiPo battery, strictly follow your municipal battery disposal guidelines.
- Finally, always follow the safety instructions and charging guidelines for lithium polymer battery packs. These are there for not only the longevity of the battery pack, but also for your safety.

5. Quick Start:

Carefully unpack all items from your box and check for completeness, comparing the content with the listing from page 3 and 4 of this manual.

Please follow precisely the step by step description here below for starting running and having fun with your new model car:

STEP 5.1: Charging of Lipo Battery, included in this set:

ATTENTION: Read P7 & P8 of this manual (about Lipo batteries) well before starting your first charging procedure.

Before running your model for the first time, charge the included Lipo Battery.

ATTENTION: JOM280120 and JOM280121 come with a 1S / 3.7V / Lipo Battery.

JOM280125 comes with a 2S / 8.4V / Lipo Battery for the brushless system.

Use only chargers suitable for Lipo batteries and pay special attention to 1S / 2S adjustment and to current adjustment. Do not use more than 1A charging current for included batteries.

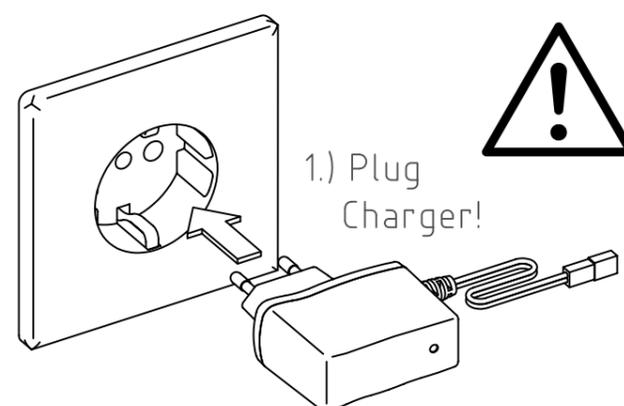
For JOM280120 use the included charger:

Plug the charger always first to the socket (STEP 1.1) and afterwards plug the Lipo Battery to the charger (STEP 1.2). Red light on the charger shows you, that your Lipo battery is charging.

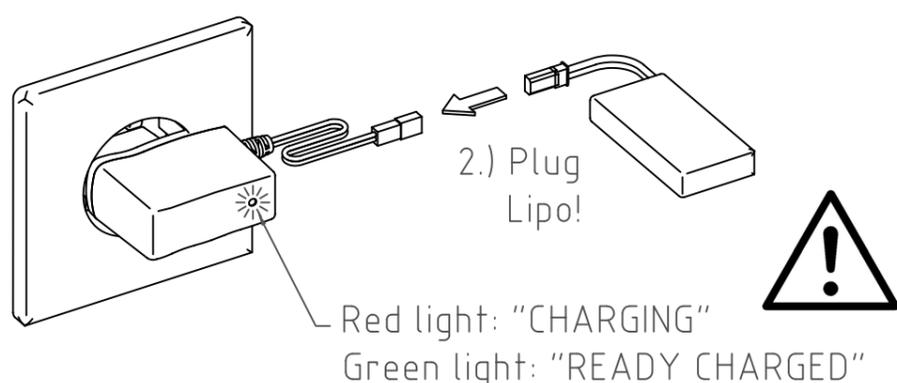
When the red light on your charger changes into green, your battery is fully charged and should be unplugged immediately from the charger after the full green light has appeared.

After having unplugged the Lipo battery from the charger, unplug charger from the socket.

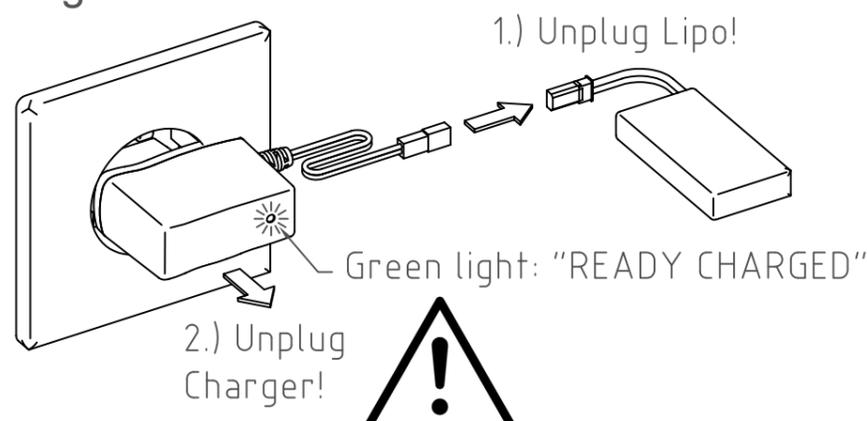
STEP 5.1.1: Plug Charger always first to the socket:



STEP 5.1.2: After plugging Charger to the socket, plug Lipo Battery to the Charger. (RED LIGHT on charger: "CHARGING"; GREEN LIGHT: "READY CHARGED"):



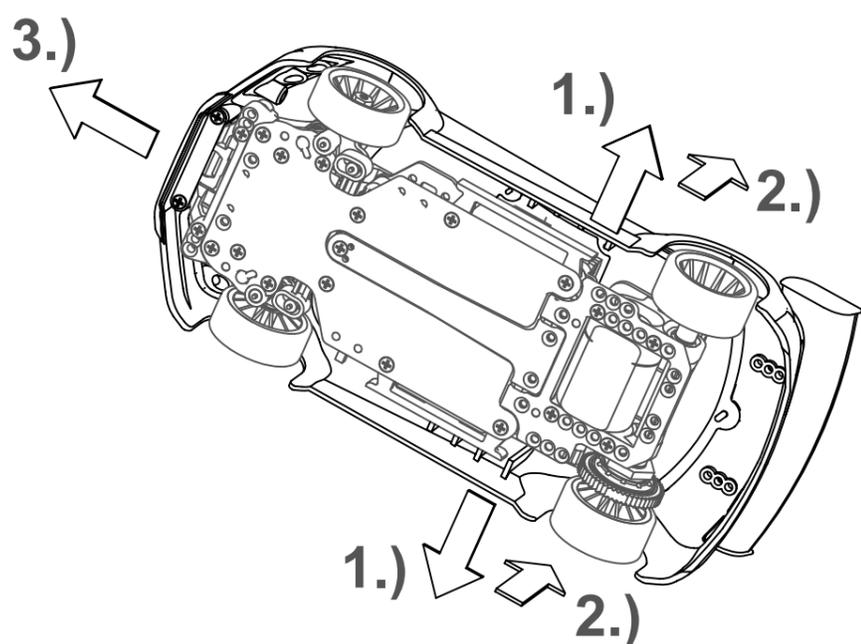
STEP 5.1.3: After light on charger has changed to green unplug the Lipo battery immediately from the charger. Then unplug charger from the socket:



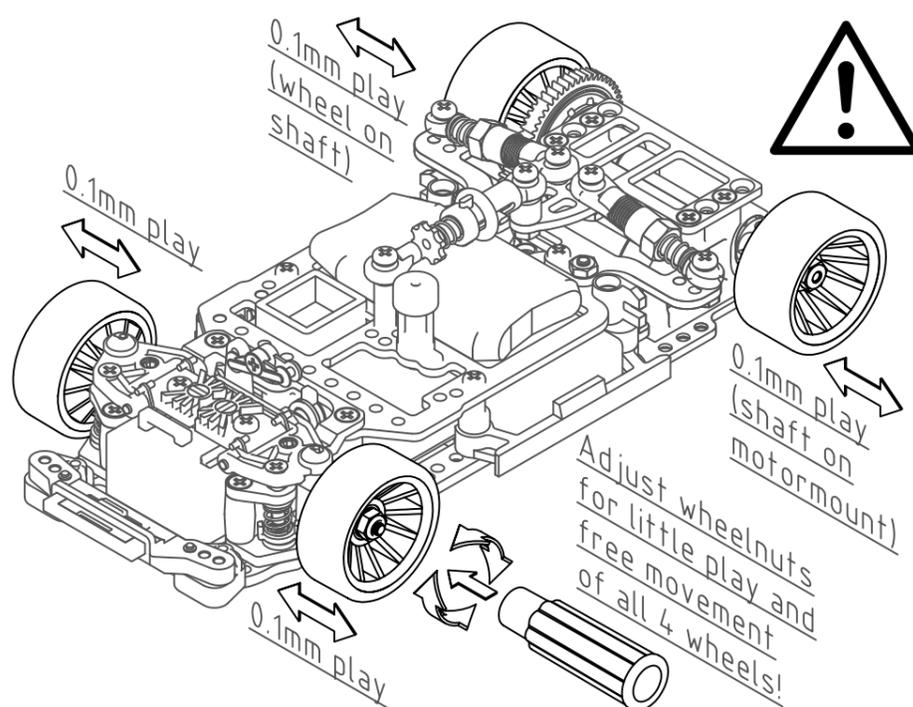
STEP 5.2:

Check the car for easy running wheels, rear shaft and ball differential:

STEP 5.2.1: Remove the body from the car:

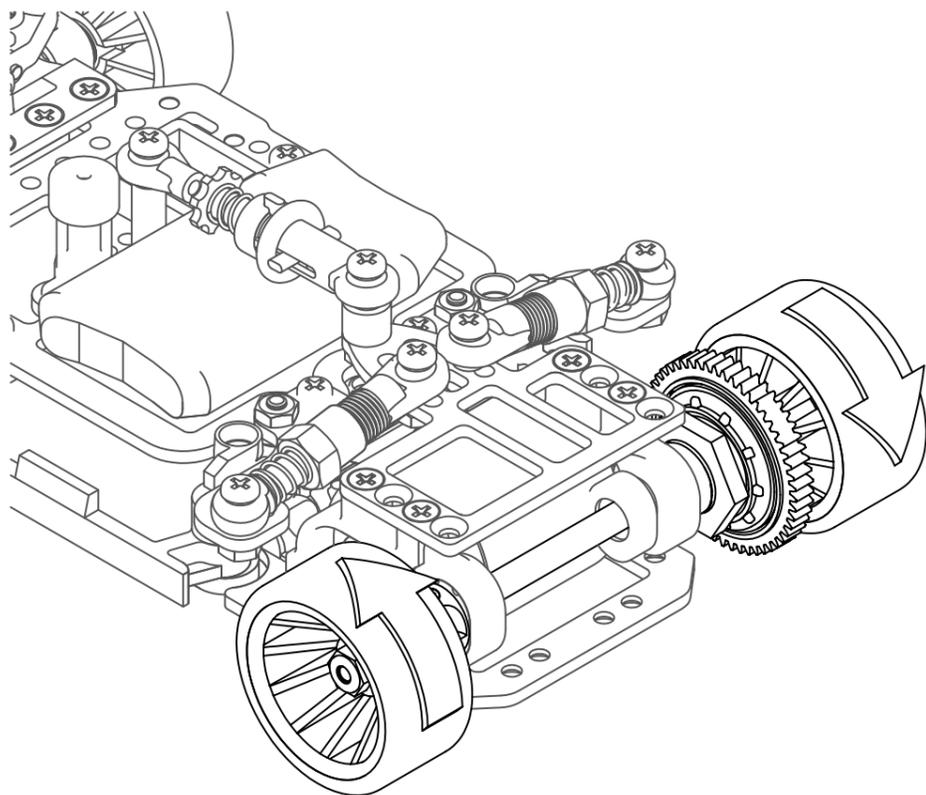


STEP 5.2.2: Check all 4 wheels for little axial play and free easy rotation movement:

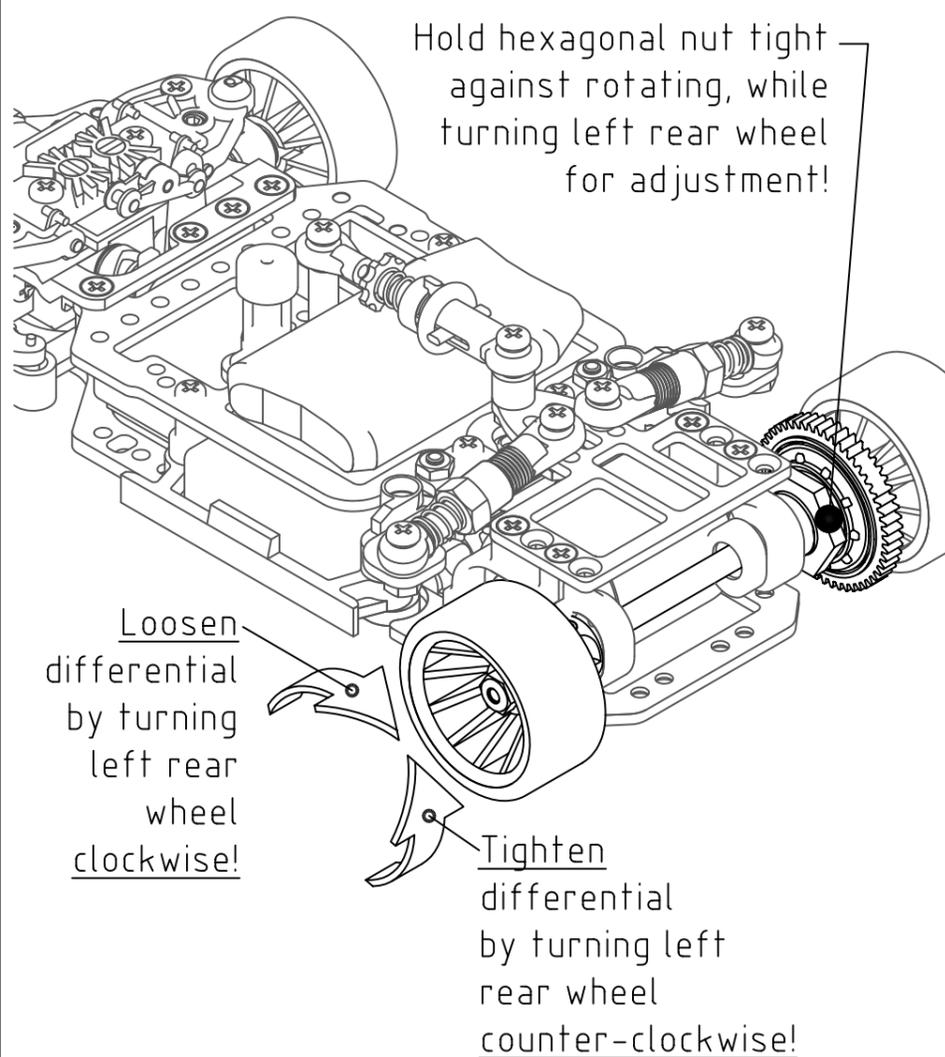


STEP 5.2.3: Check rear wheels for easy opposite side rotation of differential:

- If opposite side rotation of rear wheels is going **too hard**, slightly **loosen** the differential.
- If differential **slips while accelerating** the car, slightly **tighten** the differential.

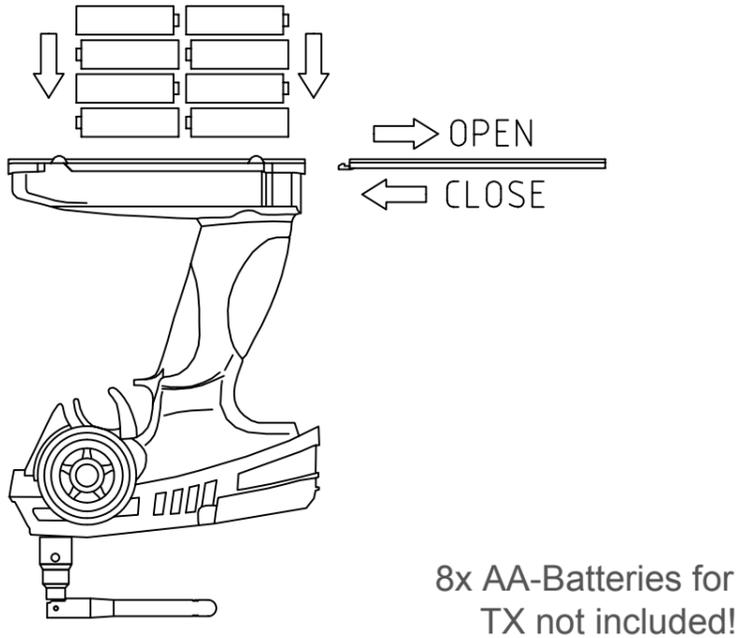


STEP 5.2.4: Adjust smoothness of differential:

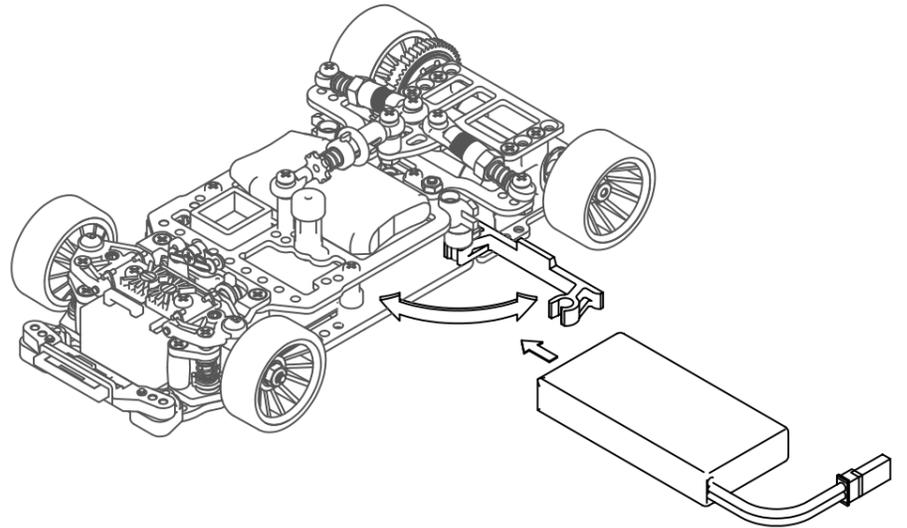


**FS-GT2 transmitter is shown here only for your reference!
 Use related functions of your own radio system for check:**

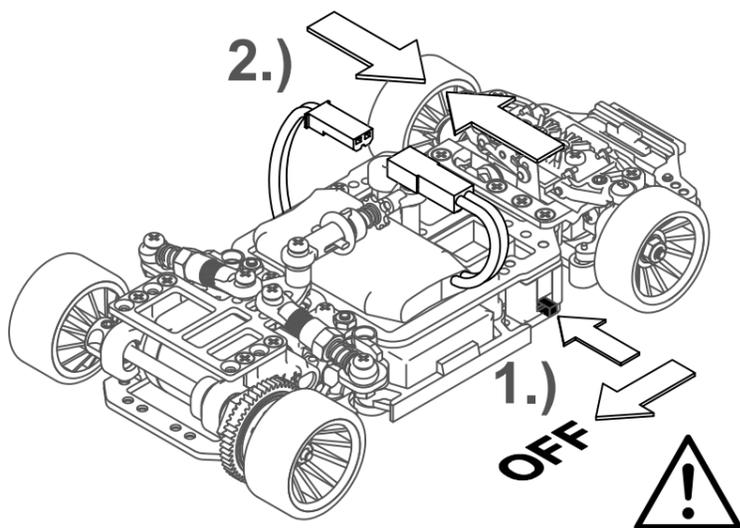
STEP 5.3: Put 8x AA batteries into your FS-GT2 Radio Transmitter (TX):



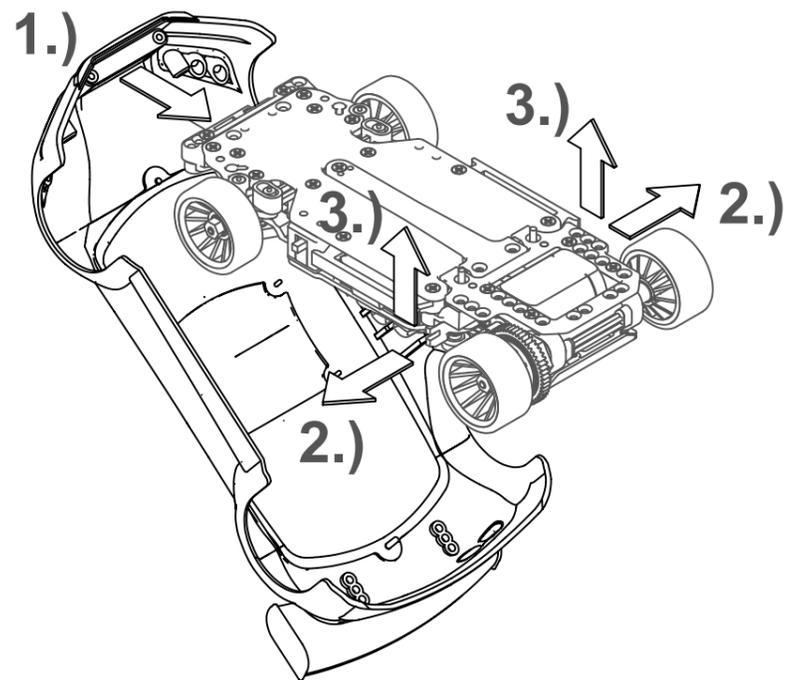
STEP 5.4: Put the fully charged Lipo Battery into the car:



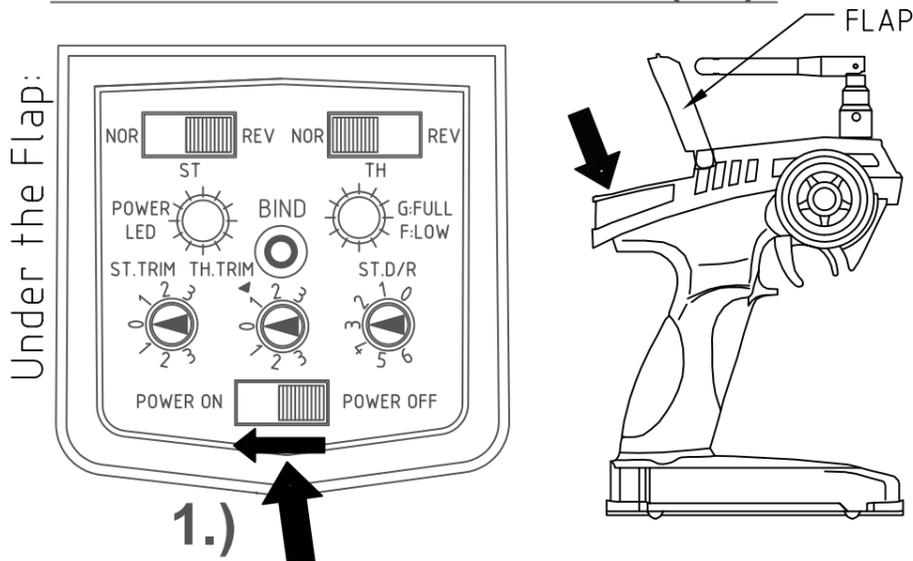
STEP 5.5: Plug the Lipo cable to the ESC connector cable: Always check "ON - OFF" switch to be in "OFF" position before plugging.



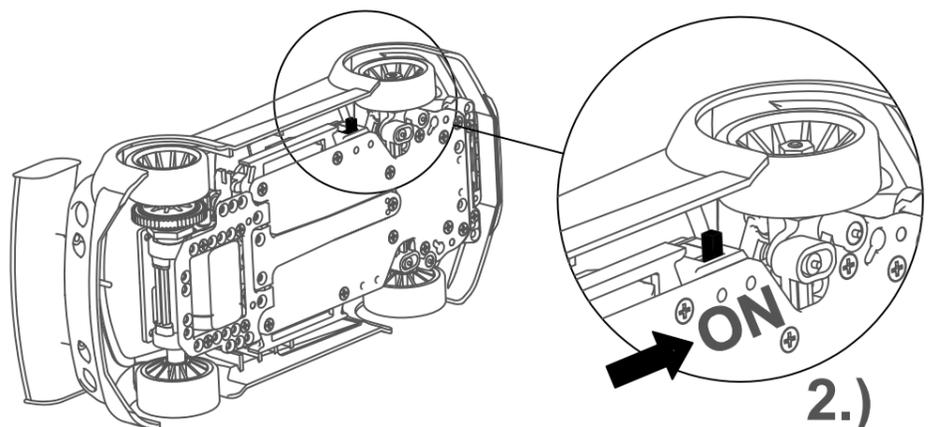
STEP 5.6: Fix body on the car:



STEP 5.7: Switch on your FS-GT2 Radio Transmitter (TX):



STEP 5.8: Switch on the car: You will hear a double sound from the ESC and see a red light on the "RX" through the front window of the car!



FS-GT2 transmitter is shown here only for your reference!
 Use related functions of your own radio system for check:

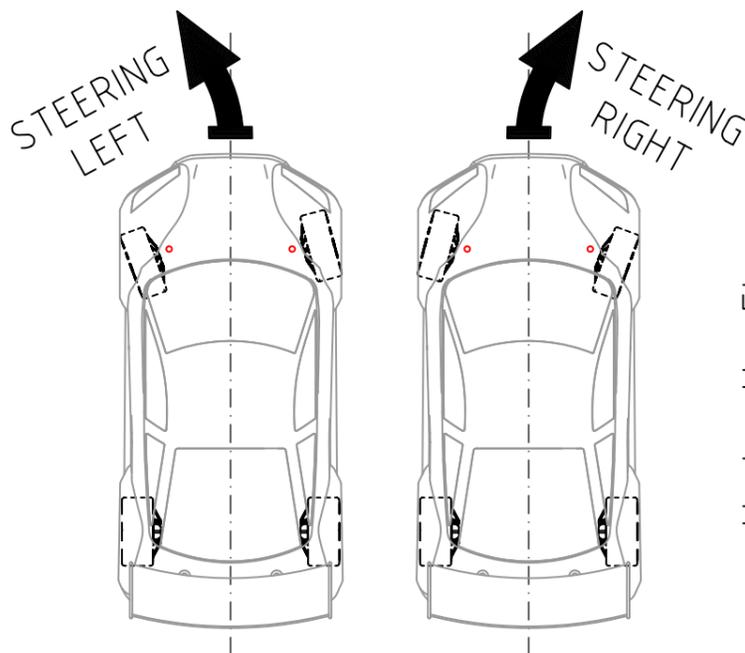
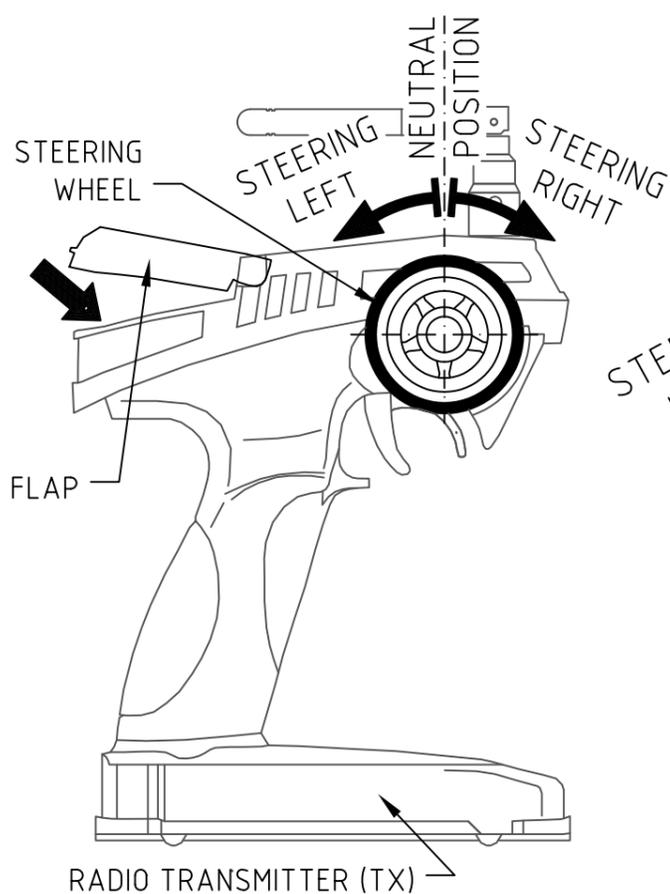
6. Function & Adjustment:

With the switched on Radio Transmitter and the switched on Car from Step 5.7 & 5.8 from the previous chapter "Quick Start", check all functions of your Car before driving for the first time:

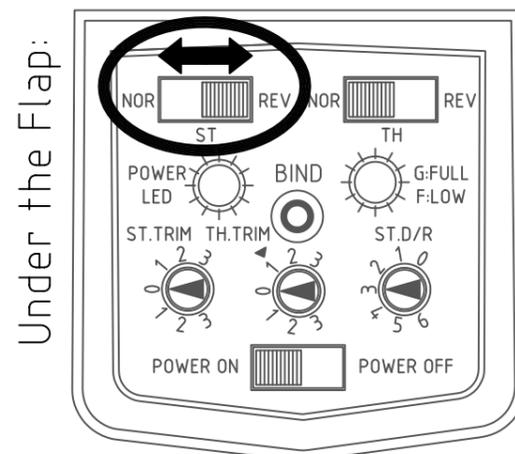
Please follow precisely all steps of this function check, and if necessary do some adjustments as described in this chapter:

6.1: BASIC FUNCTIONS OF THE CAR:

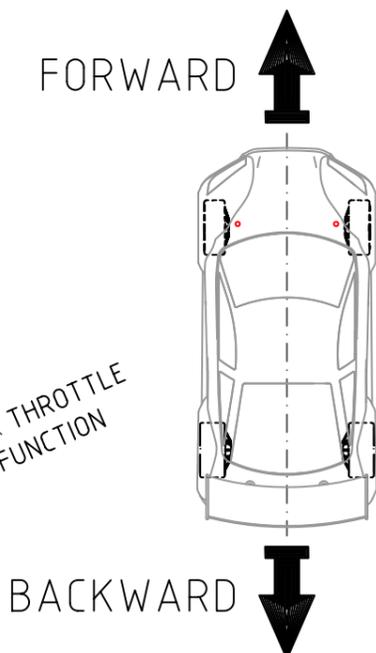
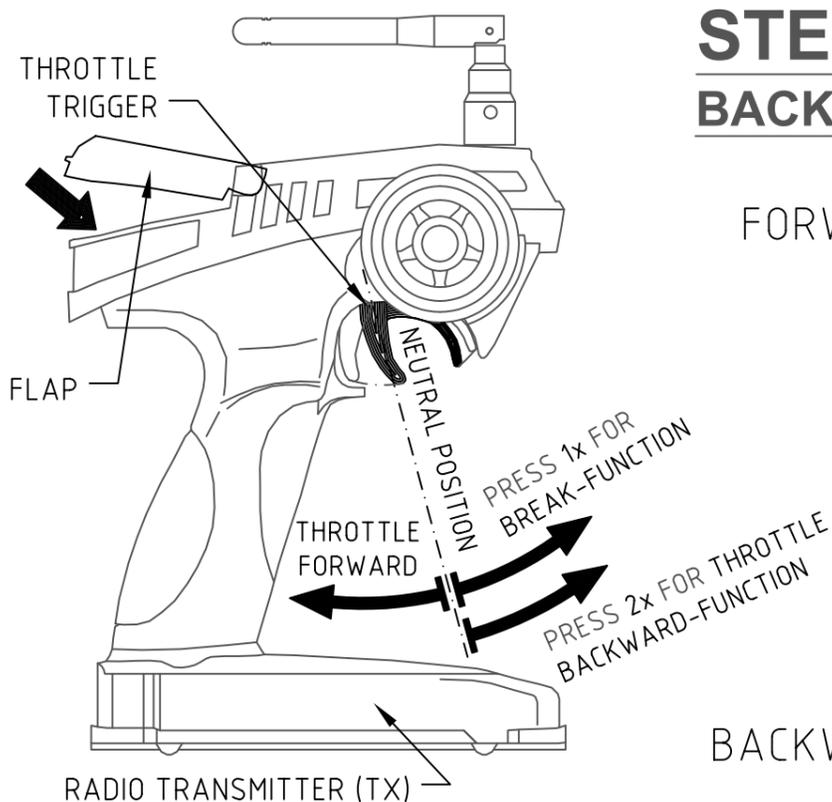
STEP 6.1.1: Check STEERING LEFT / RIGHT function of the car as shown:



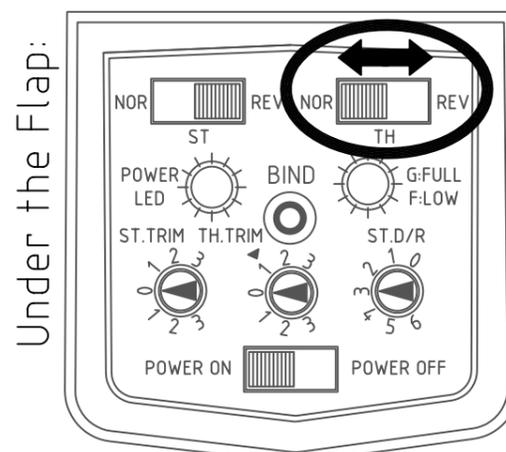
If LEFT / RIGHT function is set in wrong way, switch STeering REVerse switch to opposite position:



STEP 6.1.2: Check THROTTLE FORWARD / BACKWARD function of the car as shown:



If FORWARD / BACKWARD function is set in wrong way, switch THrottle REVerse switch to opposite position:

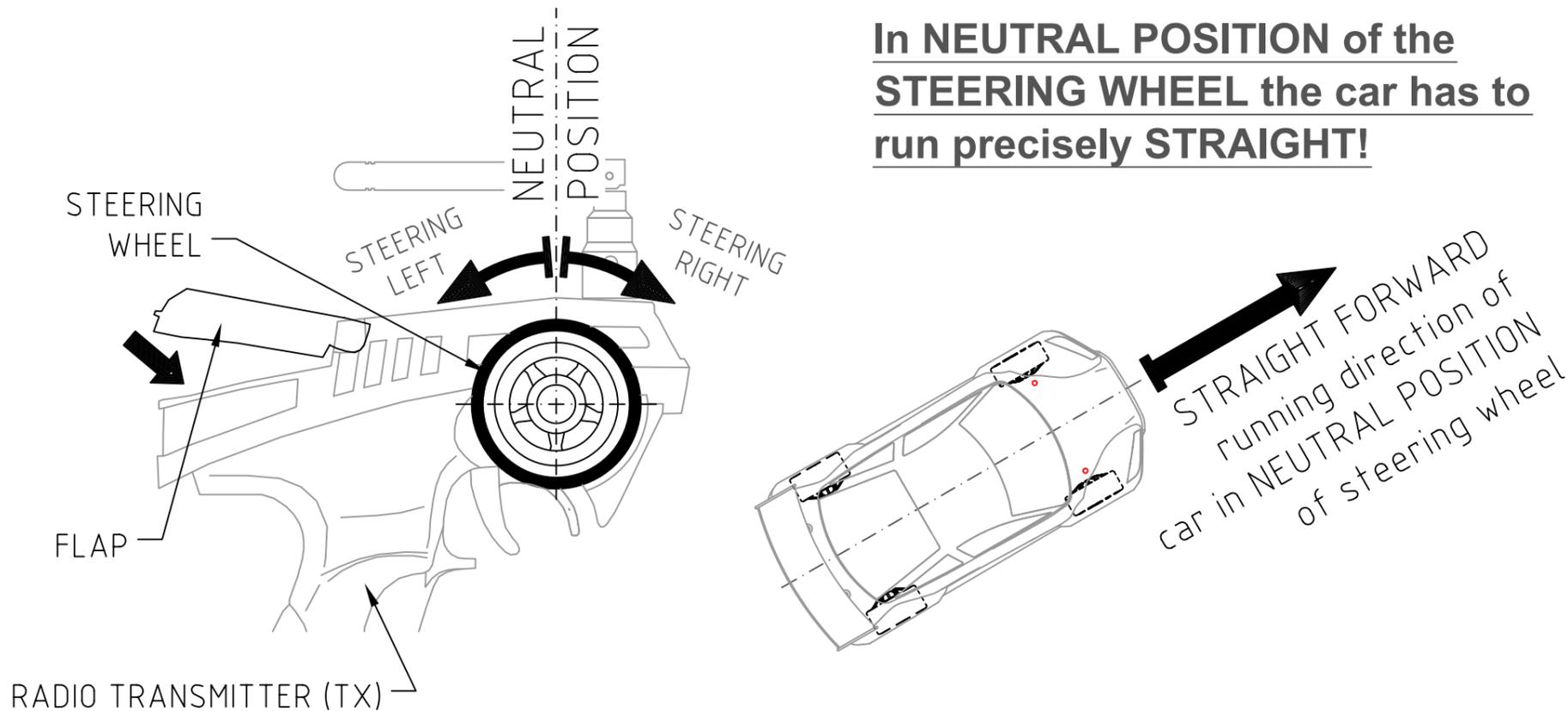


FS-GT2 transmitter is shown here only for your reference!
 Use related functions of your own radio system for check:

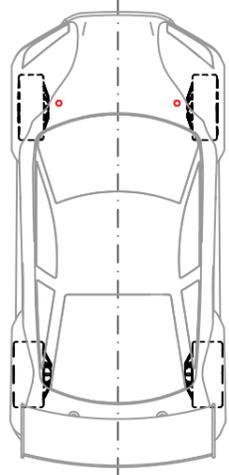
6.2: FINE TRIMMING OF CAR FUNCTIONS:

STEP 6.2.1: Fine Trimming of STEERING:

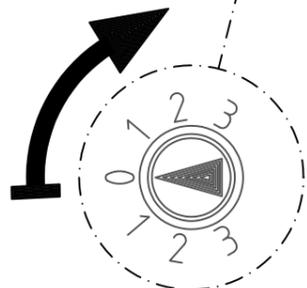
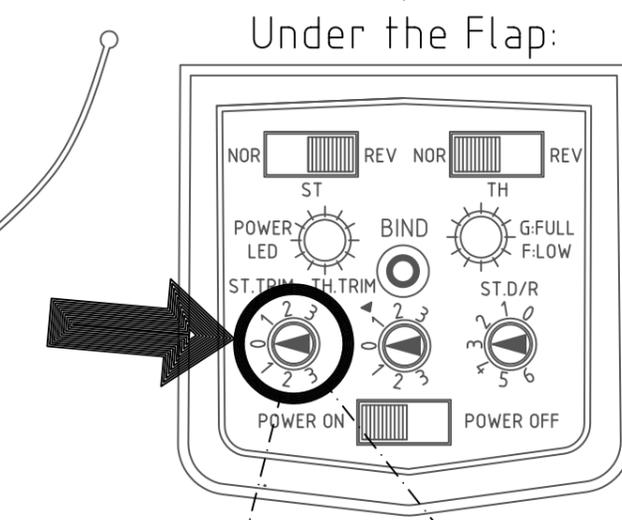
In NEUTRAL POSITION of the STEERING WHEEL the car has to run precisely STRAIGHT!



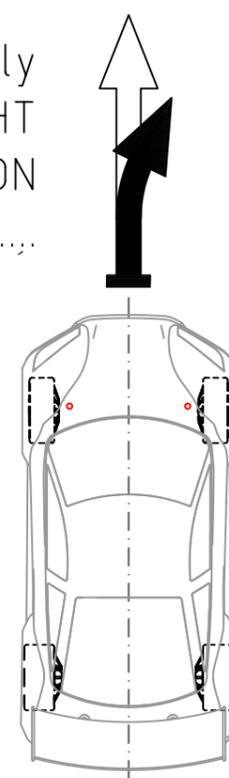
If car runs slightly TOWARDS the LEFT in NEUTRAL POSITION of steering wheel



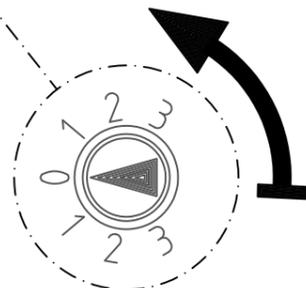
..... TURN STeering TRIM knob SLIGHTLY CLOCKWISE until car runs PRECISELY STRAIGHT.



If car runs slightly TOWARDS the RIGHT in NEUTRAL POSITION of steering wheel



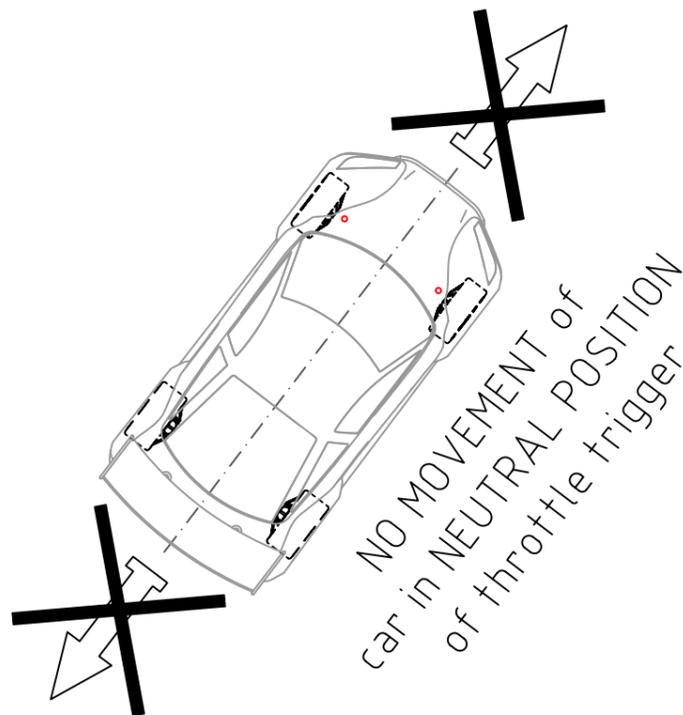
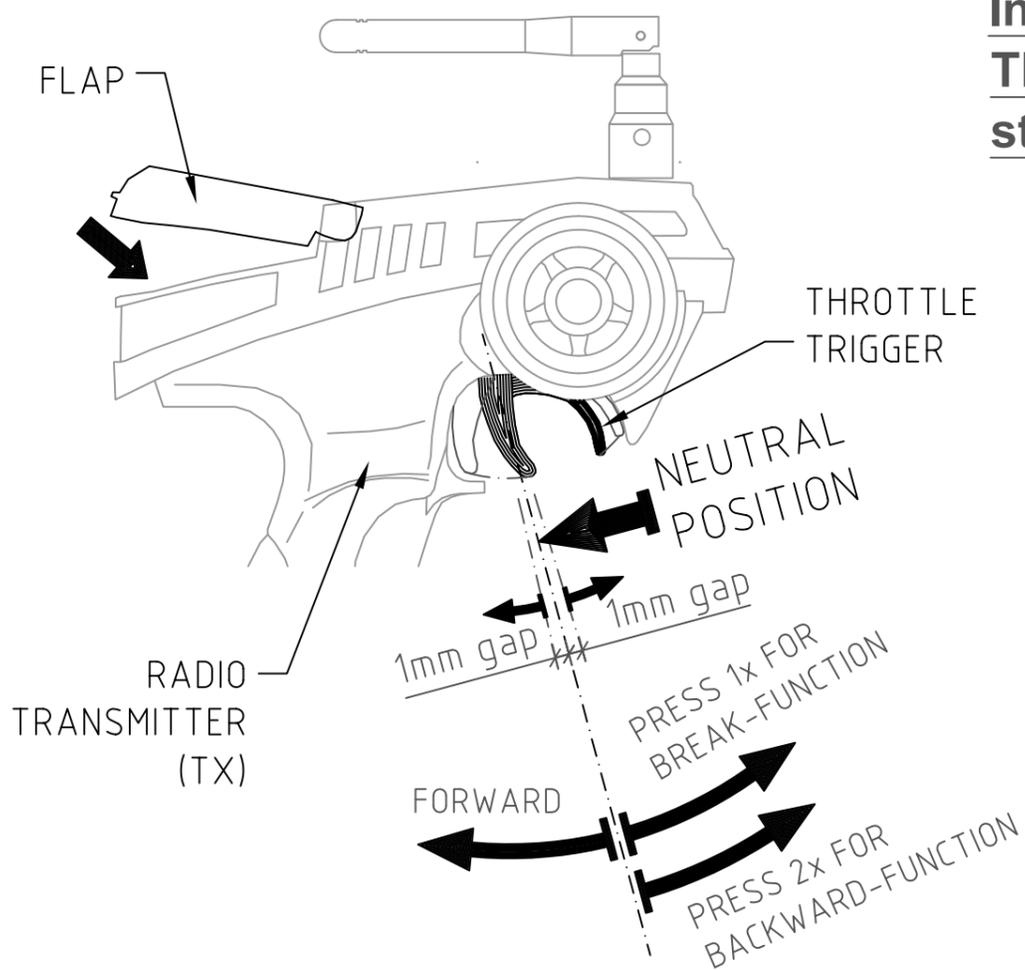
TURN STeering TRIM knob SLIGHTLY COUNTERCLOCKWISE until car runs PRECISELY STRAIGHT.



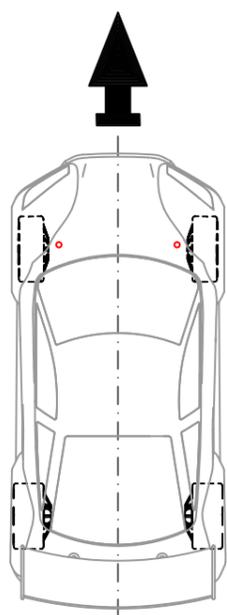
FS-GT2 transmitter is shown here only for your reference!
 Use related functions of your own radio system for check:

STEP 6.2.2: Fine Trimming of THROTTLE:

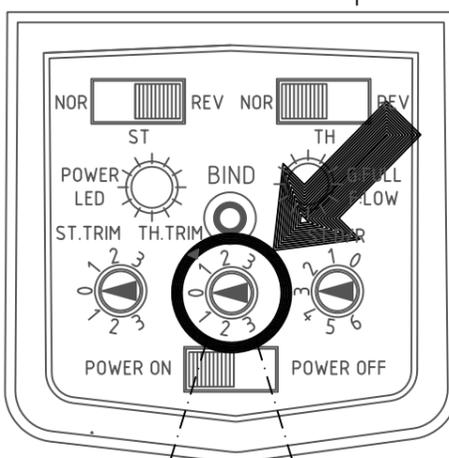
In NEUTRAL POSITION of the THROTTLE TRIGGER the car has to stand still without any movement!



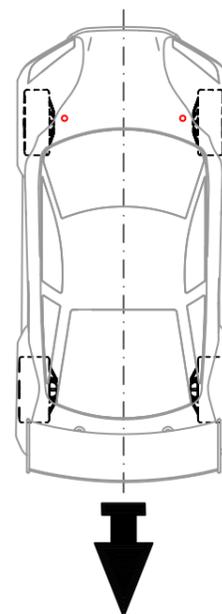
If car runs slightly FORWARD in NEUTRAL POSITION of throttle trigger



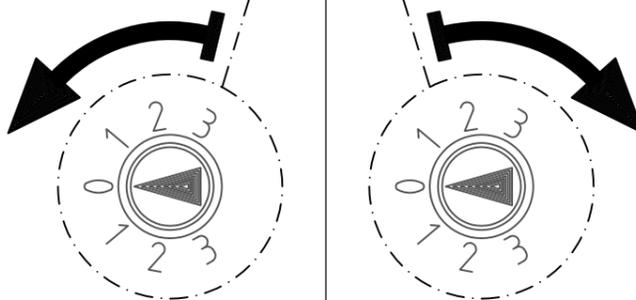
Under the Flap:



If car runs slightly BACKWARD in NEUTRAL POSITION of throttle trigger



... TURN THrottle TRIM knob SLIGHTLY COUNTERCLOCKWISE until car stopps completely & adjust about 1mm gap from neutral position for forward & backward function.

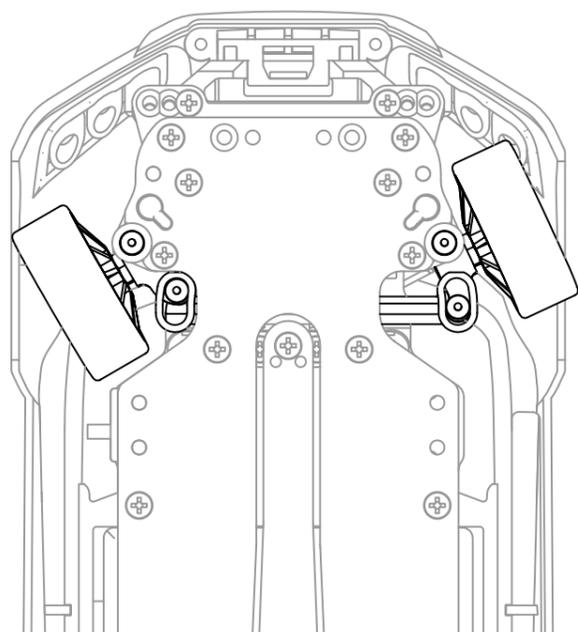
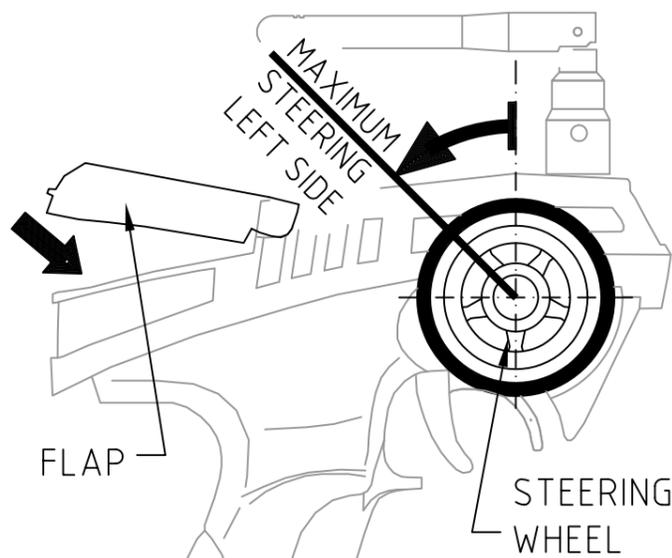
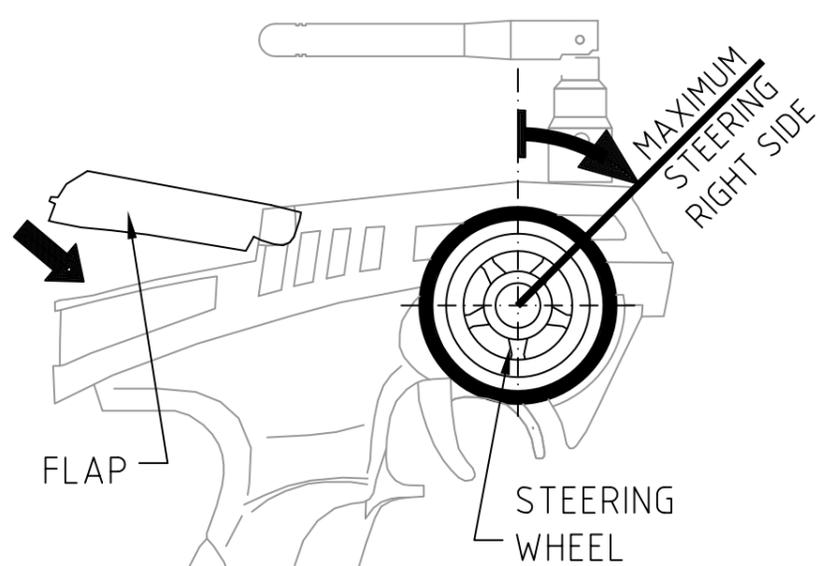


... TURN THrottle TRIM knob SLIGHTLY CLOCKWISE until car stopps completely & adjust about 1mm gap from neutral position for forward & backward function.

FS-GT2 transmitter is shown here only for your reference!
 Use related functions of your own radio system for check:

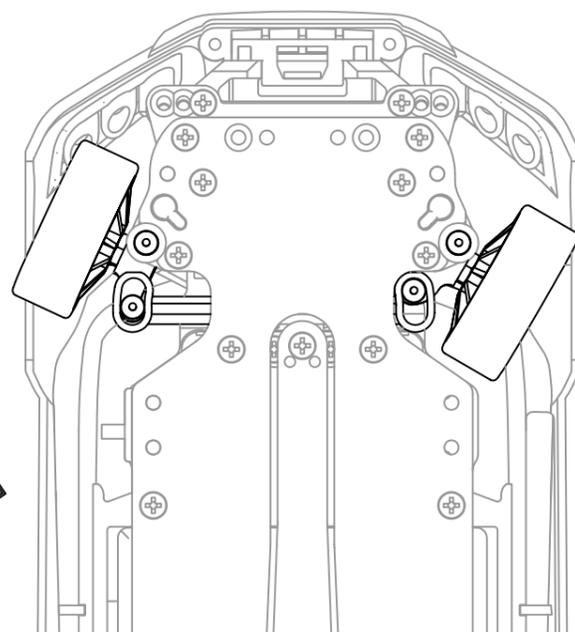
STEP 6.2.3: Adjustment of Maximum Steering Angle LEFT / RIGHT (STeering Dual Rate: ST.D/R):

At RIGHT and LEFT MAXIMUM POSITION of the STEERING WHEEL
 adjust MAXIMUM STEERING ANGLE of WHEELS: without loud noise of steering servo in the car at the maximum endpoints:

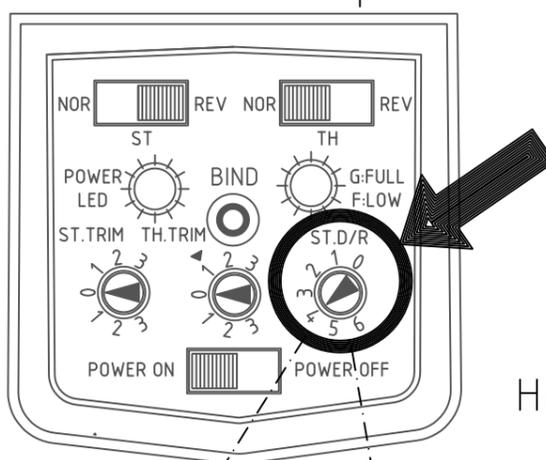


Check steering angle from below!

Check steering angle from below!



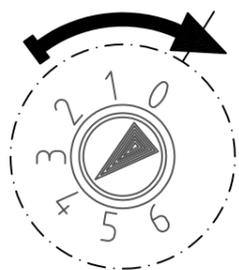
Under the Flap:



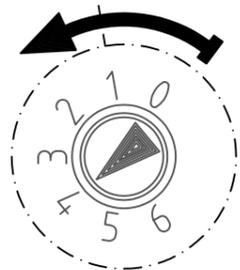
Hold steering wheel at maximum right side steering position during adjustment:

When you hear a loud noise from the servo at maximum steering position, turn ST.D/R knob clockwise until the loud noise disappears. There shall be no loud noise of servo audible after adjusting maximum left and right steering position.

less steering angle



more steering angle



Hold steering wheel at maximum left side steering position during adjustment:

When you hear a loud noise from the servo at maximum steering position, turn ST.D/R knob clockwise until the loud noise disappears. There shall be no loud noise of servo audible after adjusting maximum left and right steering position.

7. Setup Changes:

7.1: Adjustment of Caster Angle at front suspension:



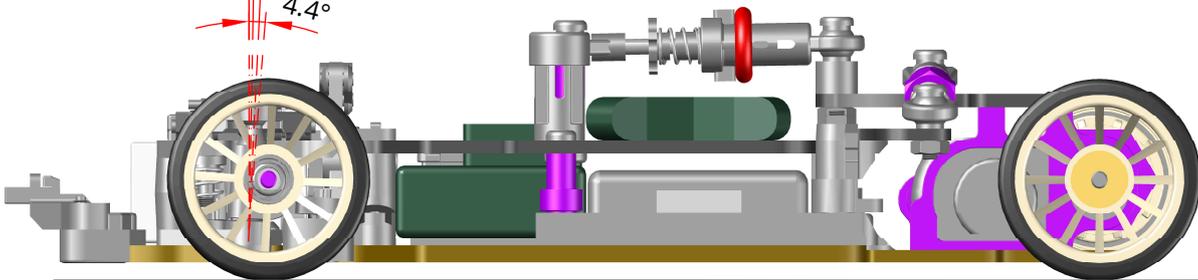
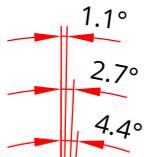
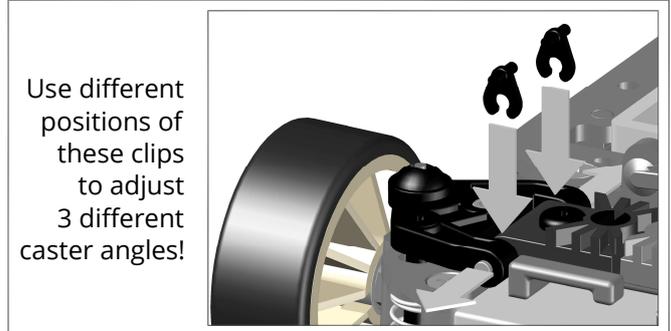
2 Clips front:
Angle: 4.4°



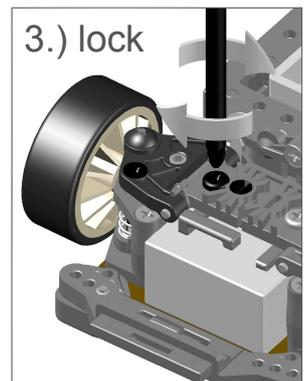
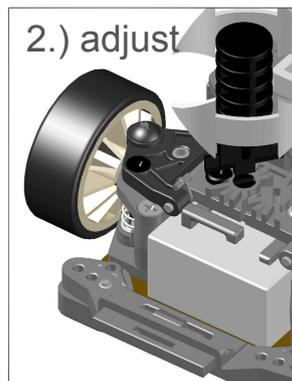
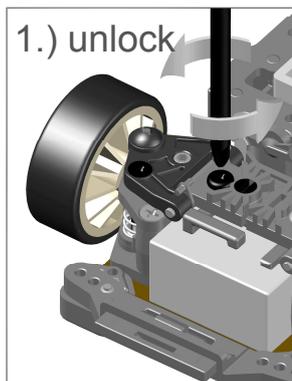
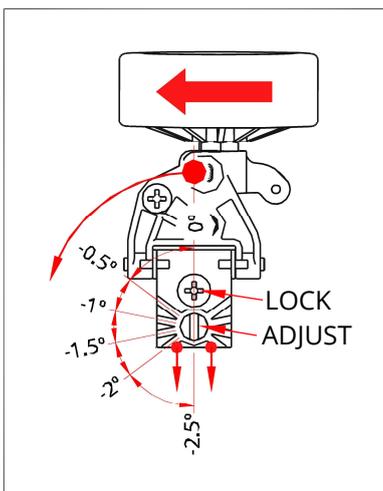
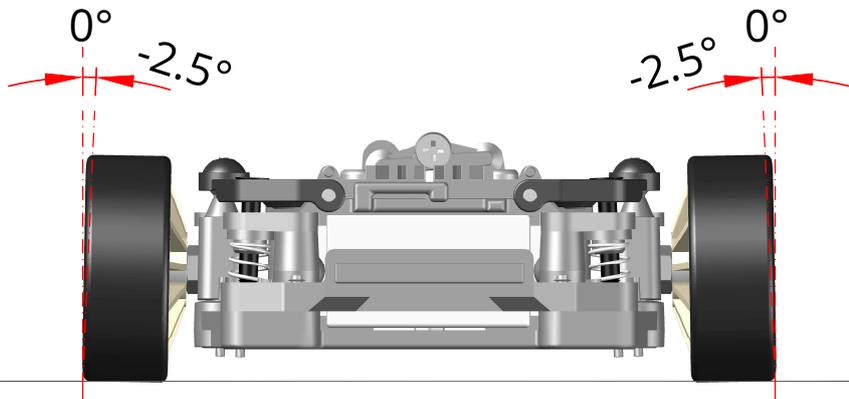
1 Clip front
1 Clip rear:
Angle: 2.7°



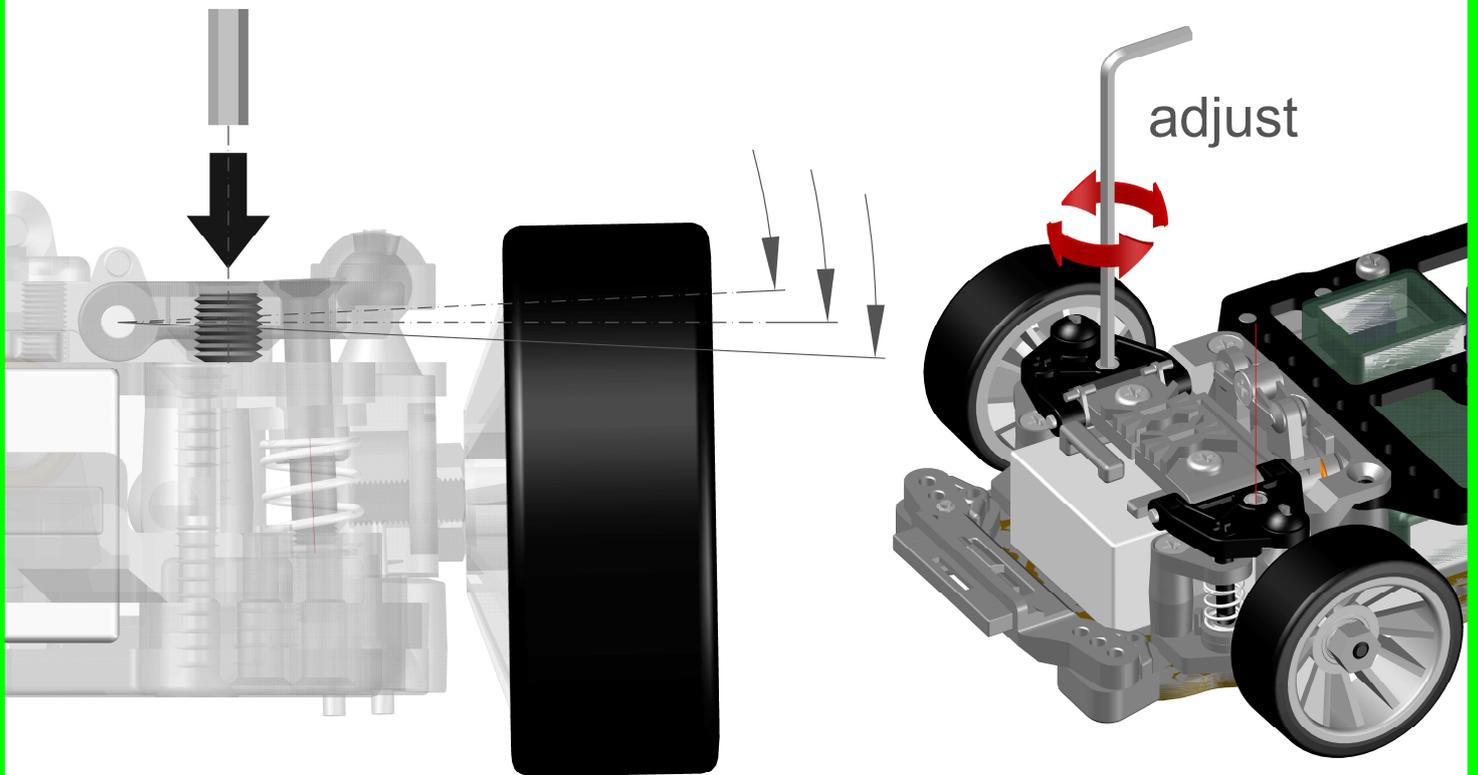
2 Clips rear:
Angle: 1.1°



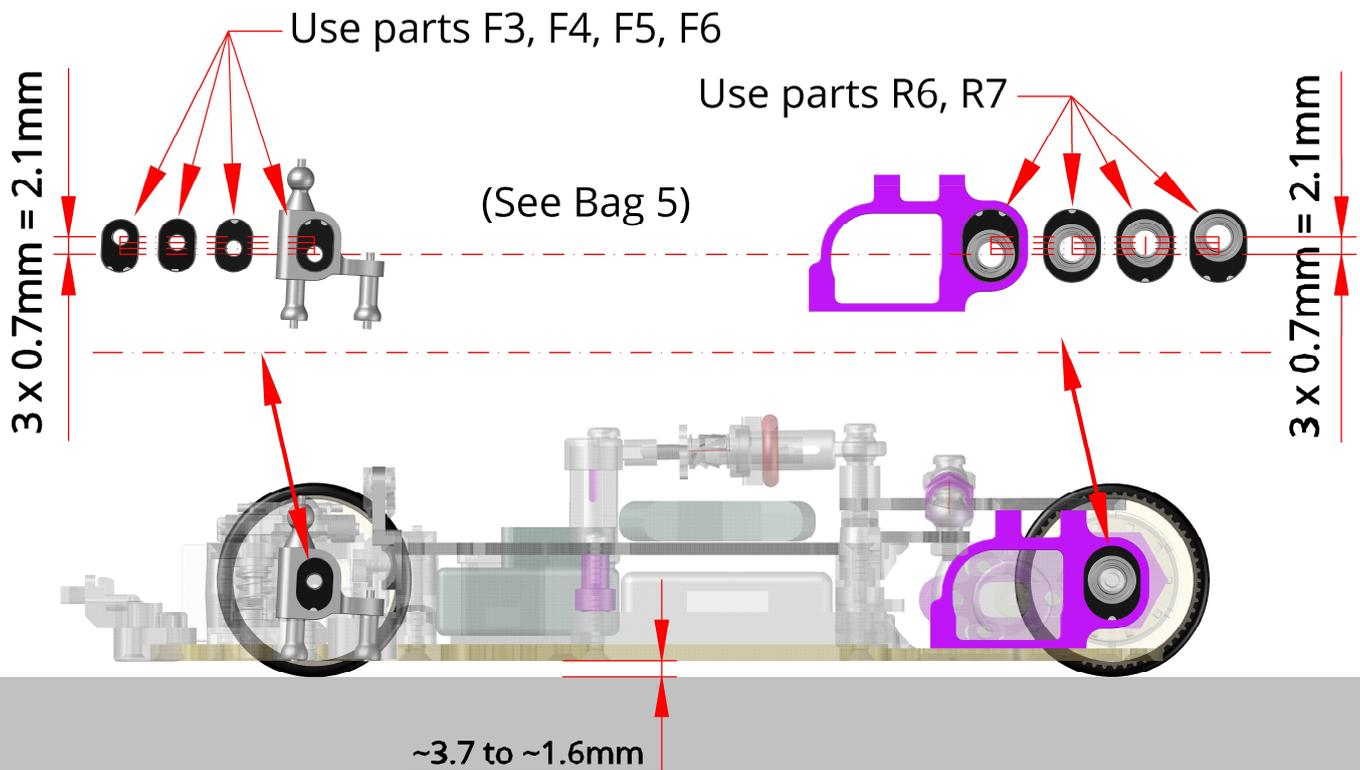
7.2: Adjustment of Camber Angle at front suspension: 0° to -2.5°:



7.3: Adjustment of Droop Limits at front suspension:

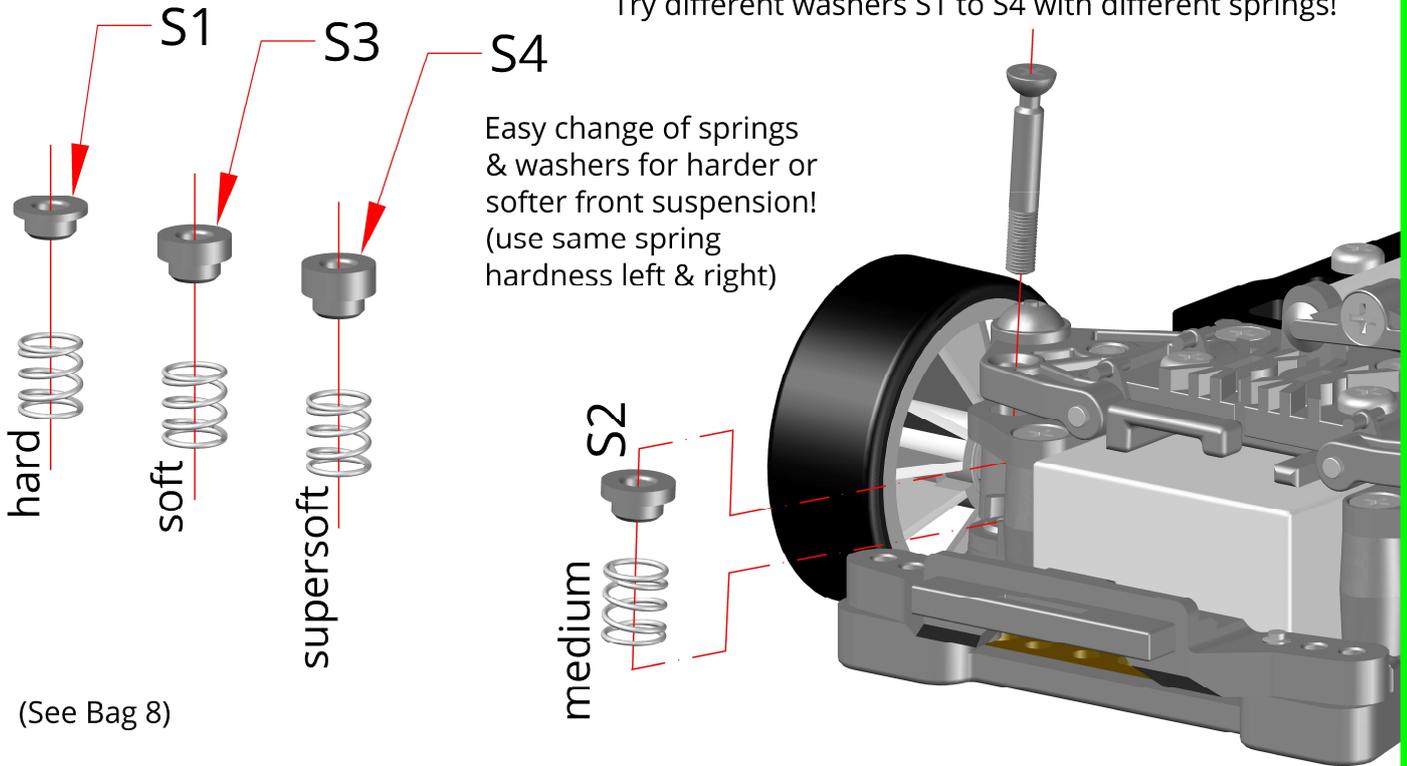


7.4: Adjustment of Ride Height front and rear:



7.5: Adjustment and change of Front Springs:

Try different washers S1 to S4 with different springs!



Easy change of springs & washers for harder or softer front suspension! (use same spring hardness left & right)

(See Bag 8)

7.6: Adjustment and change of Rear Springs: Use Silicone-Oil for Damping Systems:

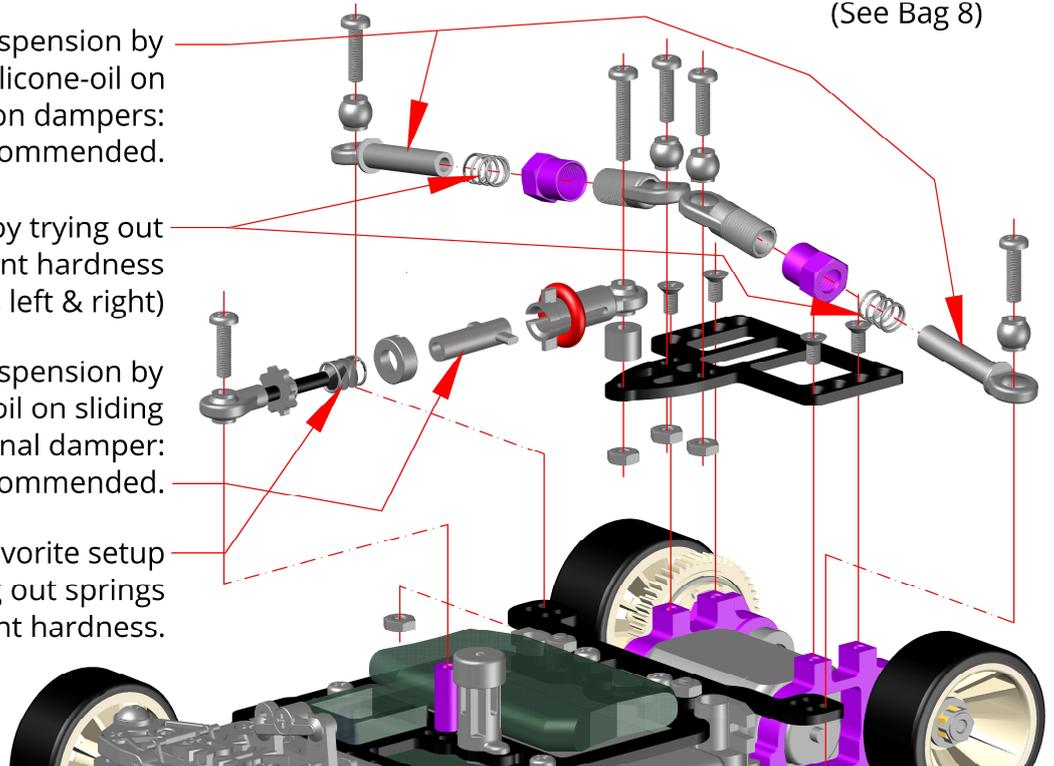
(See Bag 8)

Improve rear suspension by putting a bit of silicone-oil on sliding surfaces of friction dampers: Viscosity: 20000 recommended.

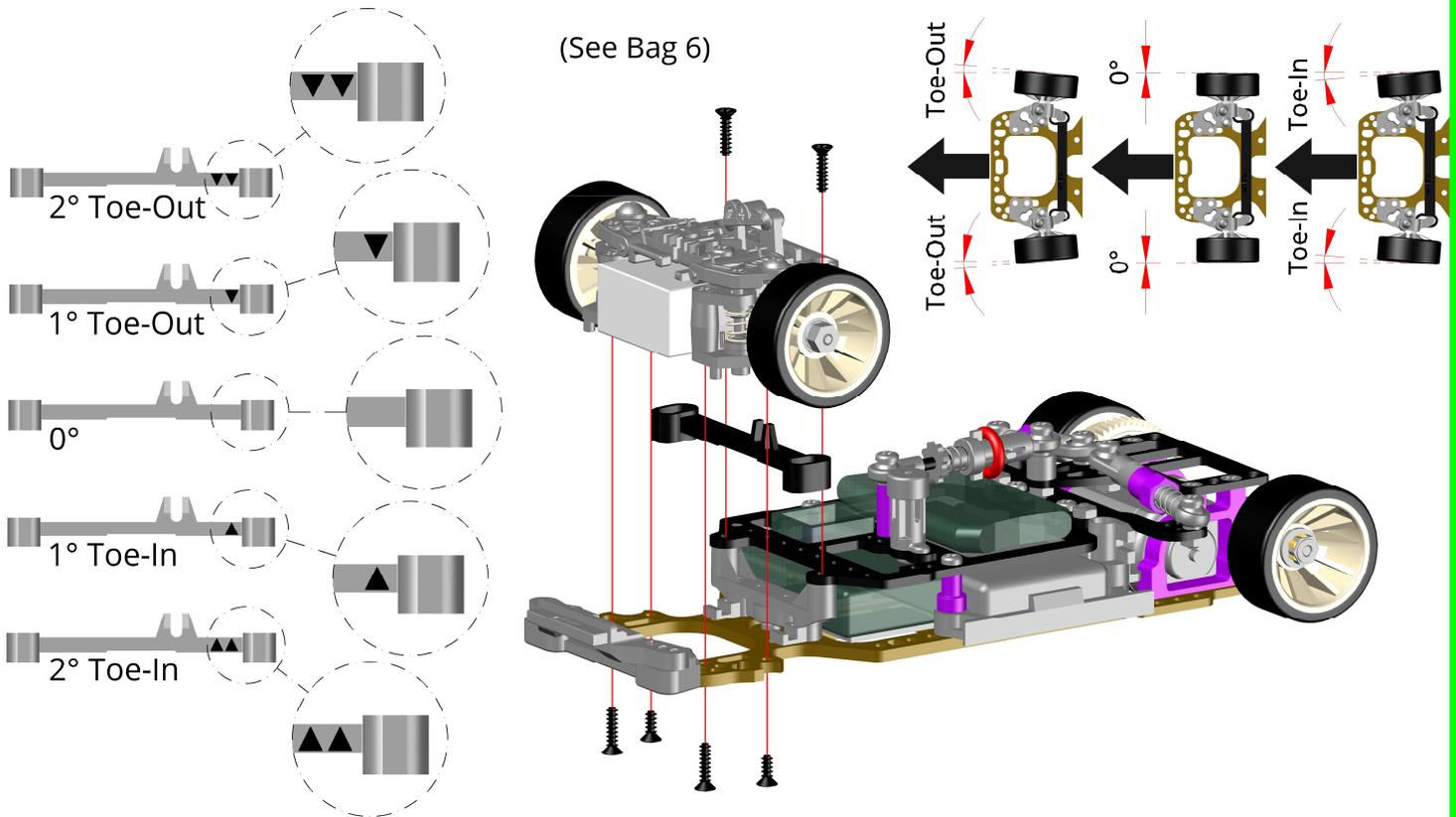
Find your favorite setup by trying out springs with different hardness (use same hardness left & right)

Improve rear suspension by putting a bit of silicone-oil on sliding surface of longitudinal damper: Viscosity: 40000 recommended.

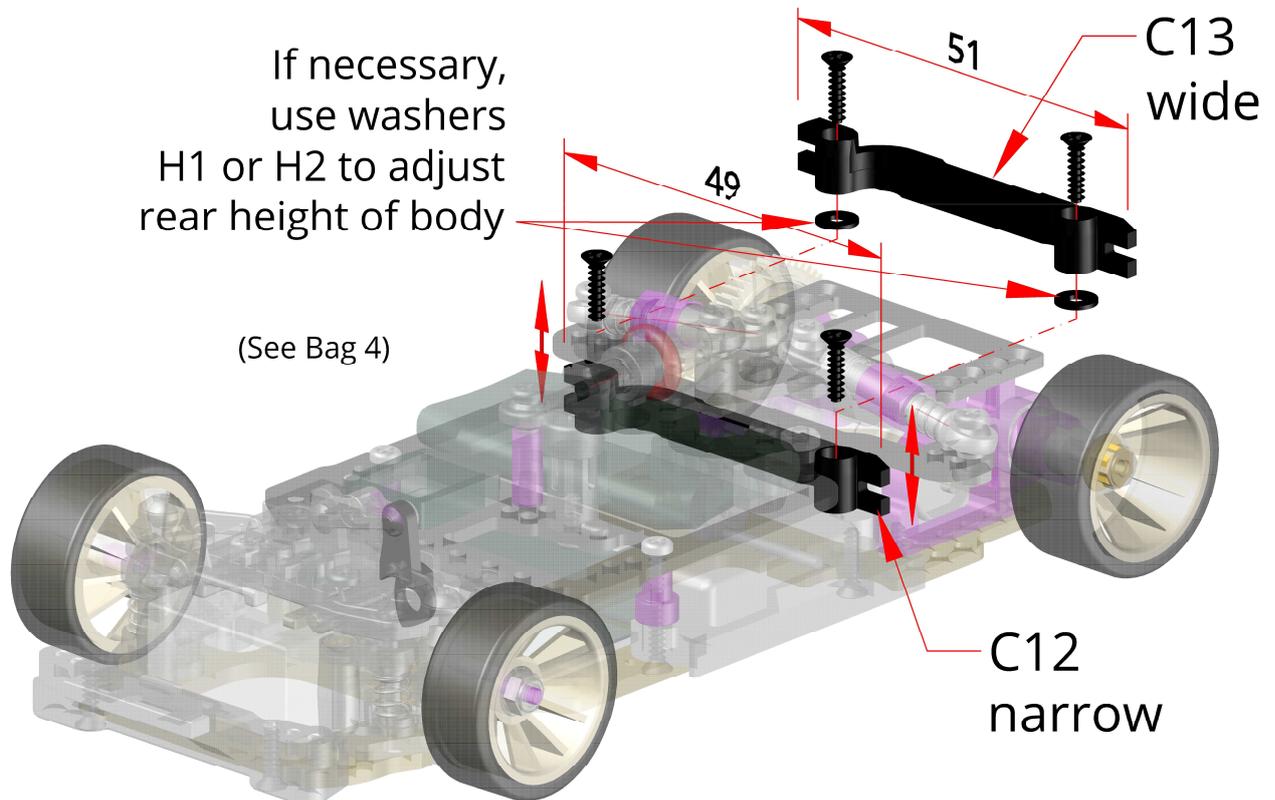
Find your favorite setup by trying out springs with different hardness.



7.7: Adjustment of Toe-in / Toe-out by changing the Steering Rod:

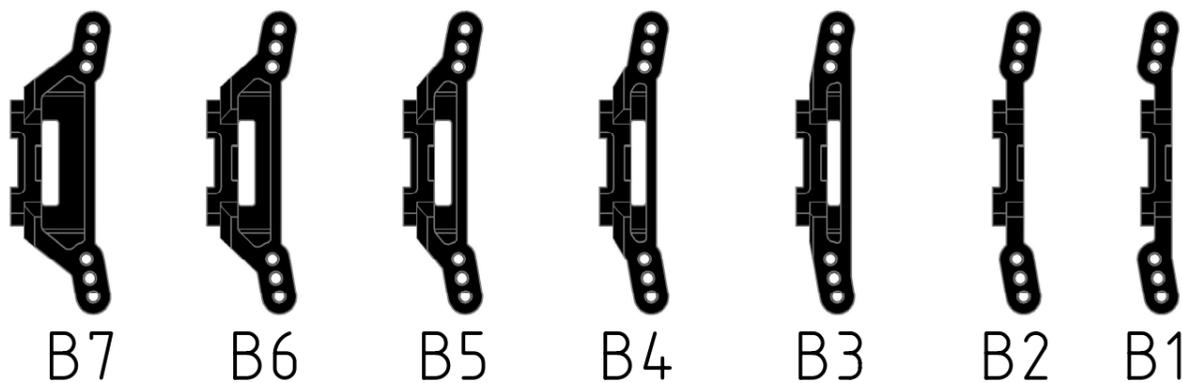
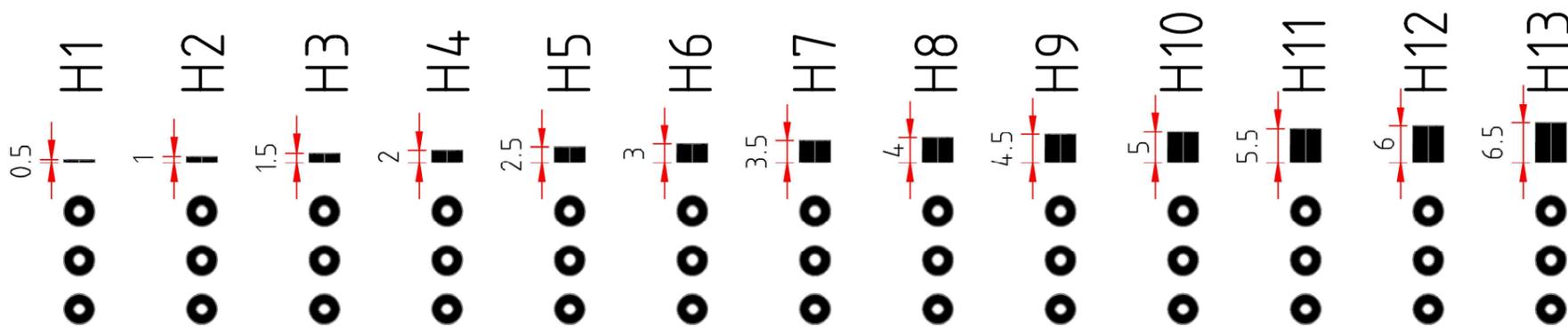


7.8: Adjustment of Rear Body Holders:

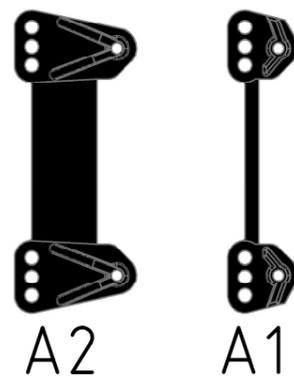
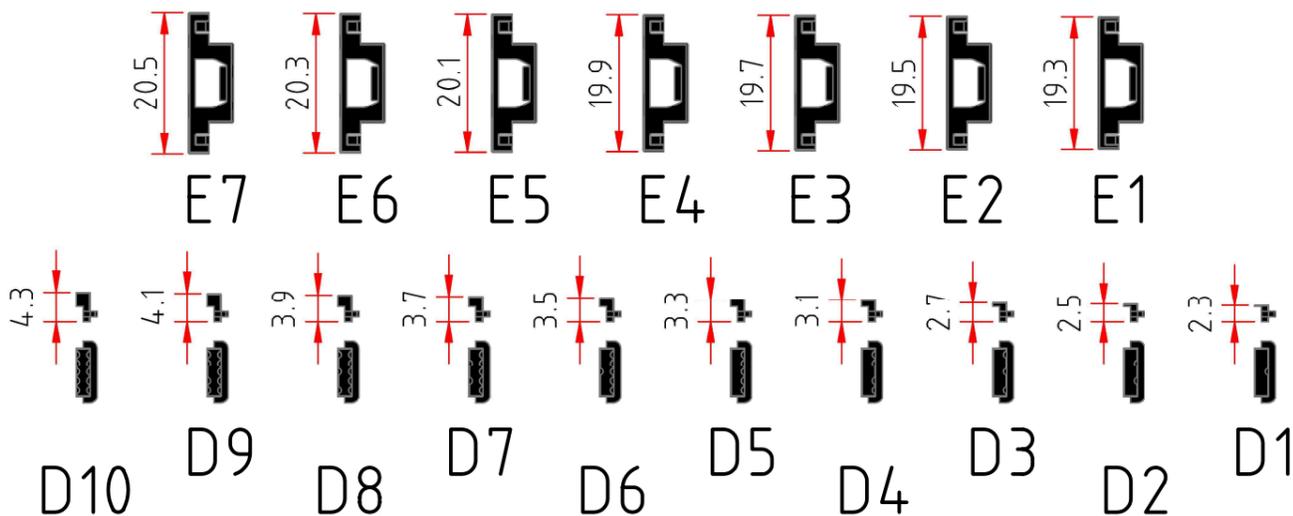


ATTENTION: only scale bodies for wide front setup with 98mm or 102mm wheelbase can be fitted!!!

8. Fix Scale-Bodies from other Brands



Use these parts to adjust other scale bodies to the JOMUREMA chassis:



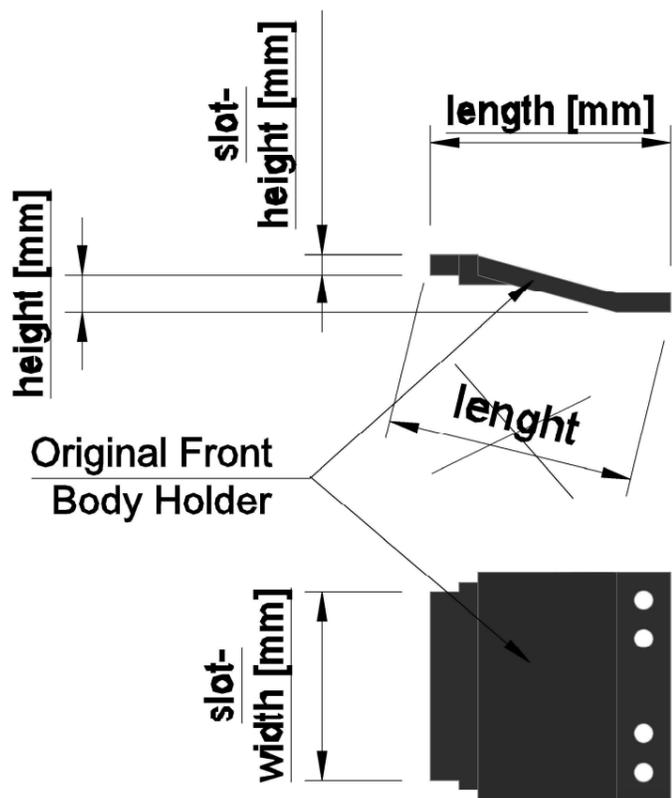
STEP 1

To choose all correct Parts:

Take the measurements shown here on the left in mm from the original front-body-holder of the Scale-Body, which you want to adjust to the JOMUREMA chassis!

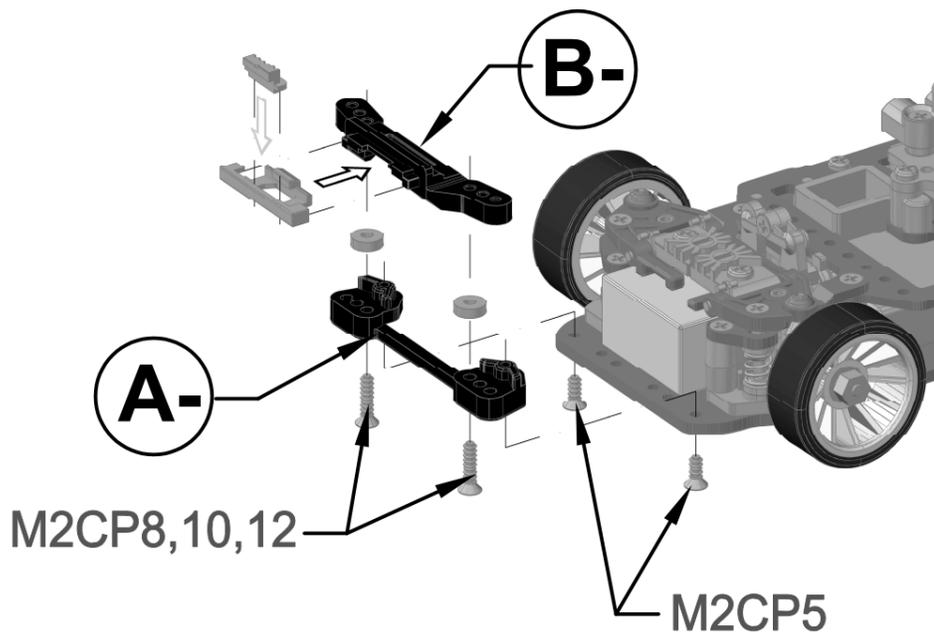
EXAMPLE:

length: 28mm / height: 7mm
slot height: 3.7mm / slot width: 20.3mm



STEP 2

Choose correct **A-** & **B-** Parts:



EXAMPLE:

With body holder **length** of your scale body = **28mm**, take parts **A1** and **B7** and use **inner** holes for screwing in last step!

INNER / MIDDLE / OUTER
 holes to use for screwing:

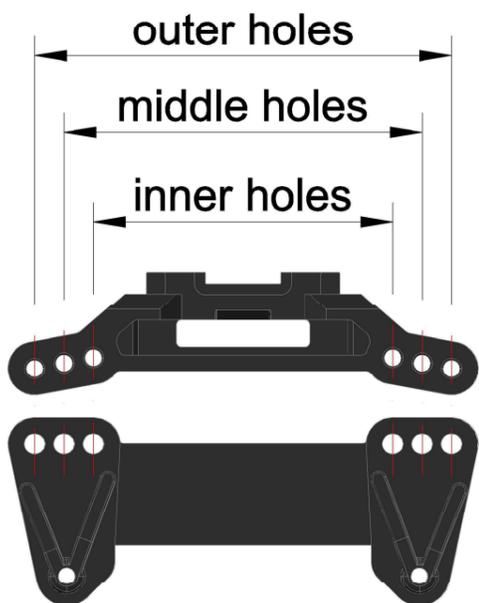
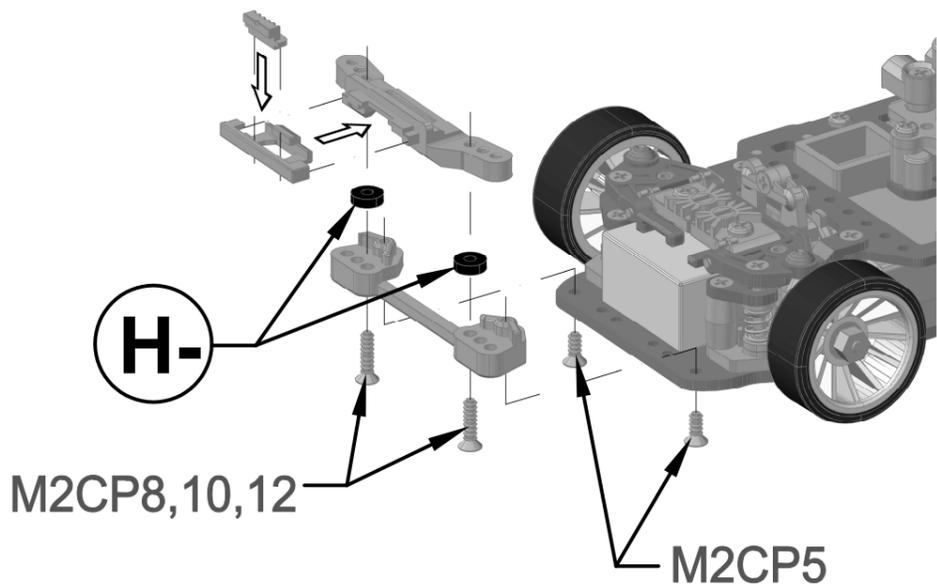


TABLE 1			
FRONT-BODY-HOLDER-LENGTH:			
Original body-holder length [mm]	JOMUREMA - parts		Holes to use for screwing:
	A - use part:	B- use part:	
19	A1	B1	inner
19,5	A1	B1	middle
20	A1	B1	outer
20,5	A1	B2	inner
21	A1	B2	middle
21,5	A1	B2	outer
22	A1	B3	inner
22,5	A1	B3	middle
23	A1	B3	outer
23,5	A1	B4	inner
24	A1	B4	middle
24,5	A1	B4	outer
25	A1	B5	inner
25,5	A1	B5	middle
26	A1	B5	outer
26,5	A1	B6	inner
27	A1	B6	middle
27,5	A1	B6	outer
28	A1	B7	inner
28,5	A1	B7	middle
29	A1	B7	outer
29,5	A2	B3	inner
30	A2	B3	middle
30,5	A2	B3	outer
31	A2	B4	inner
31,5	A2	B4	middle
32	A2	B4	outer
32,5	A2	B5	inner
33	A2	B5	middle
33,5	A2	B5	outer
34	A2	B6	inner
34,5	A2	B6	middle
35	A2	B6	outer
35,5	A2	B7	inner
36	A2	B7	middle
36,5	A2	B7	outer

STEP 3

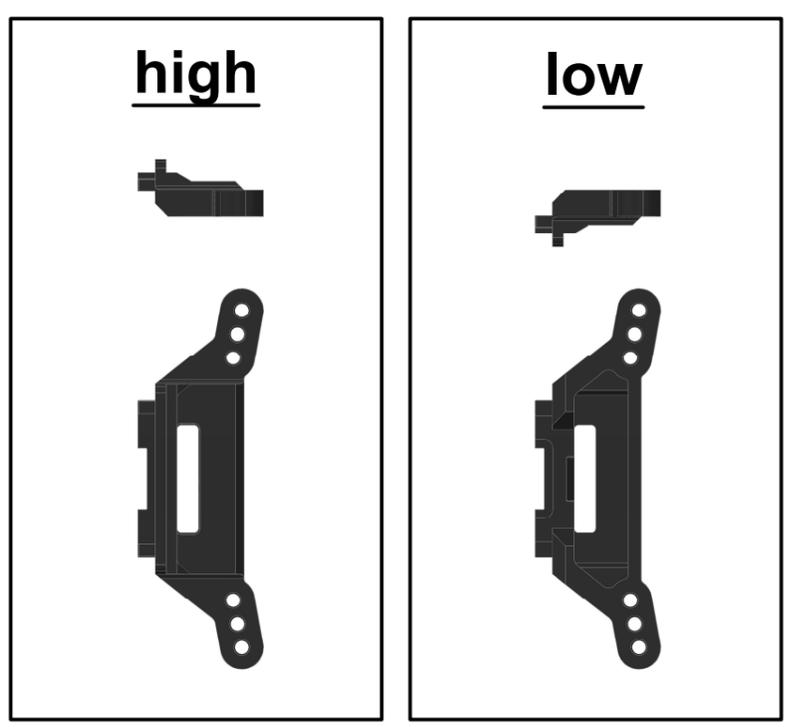
Choose correct H- Parts:



EXAMPLE:
With body holder height of your scale body = 7mm, take 2x part **H8** and use high orientation of B-part for screwing in last step!

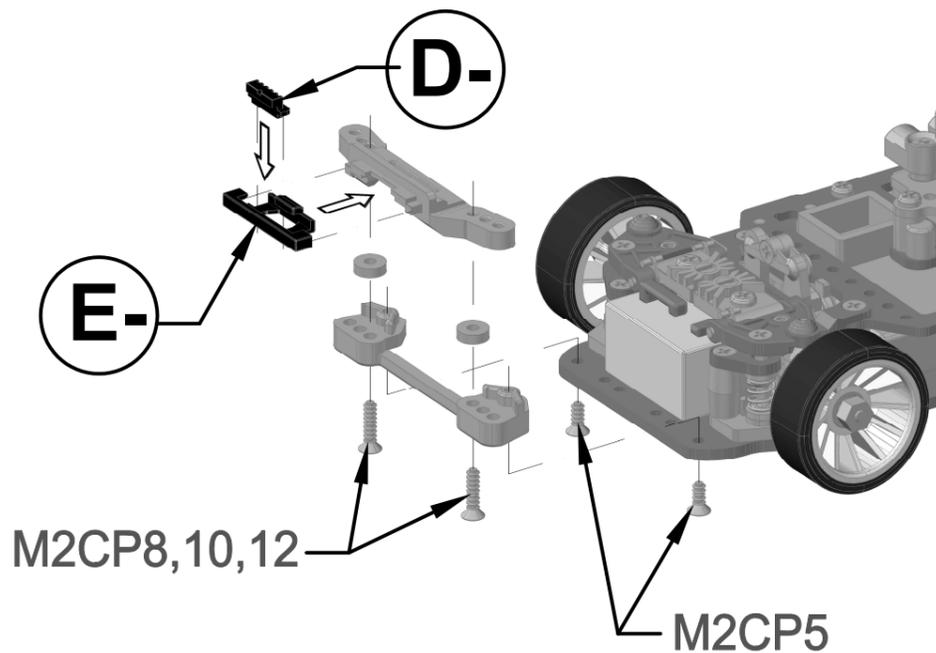
TABLE 2		
FRONT-BODY-HOLDER-HEIGHT:		
Original body-holder <u>height</u> [mm]	JOMUREMA - parts	Orientation of part B:
	H - use parts:	
0	-	low
0,5	2x H1	low
1	2x H2	low
1,5	2x H3	low
2	2x H4	low
2,5	2x H5	low
3	-	high
3,5	2x H1	high
4	2x H2	high
4,5	2x H3	high
5	2x H4	high
5,5	2x H5	high
6	2x H6	high
6,5	2x H7	high
7	2x H8	high
7,5	2x H9	high
8	2x H10	high
8,5	2x H11	high
9	2x H12	high
9,5	2x H13	high

HIGH / LOW
Orientation of B- part:



STEP 4

Choose correct D- & E- parts:



EXAMPLE:

With body holder slot-height of your scale body = **3.7mm** and slot-width = **20.3mm**, take part **D8** and **E5** for assembling!

EXTENSION DIRECTION of overstanding nose of D- part: always up!

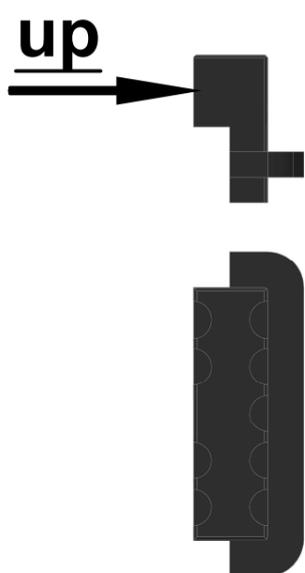
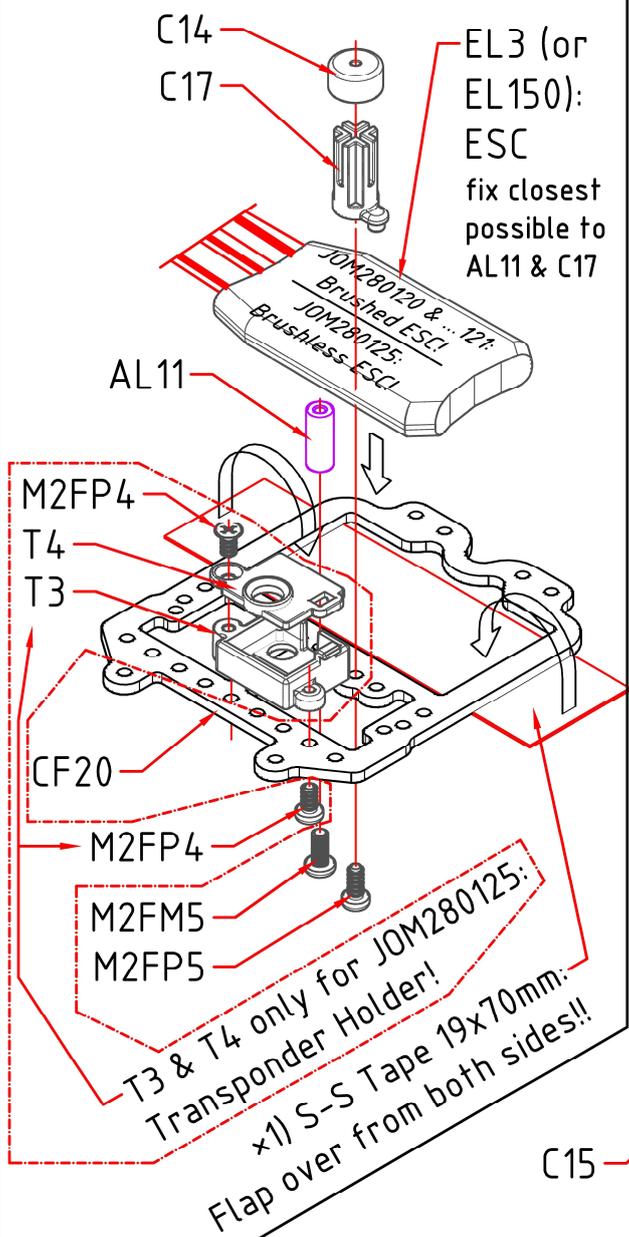


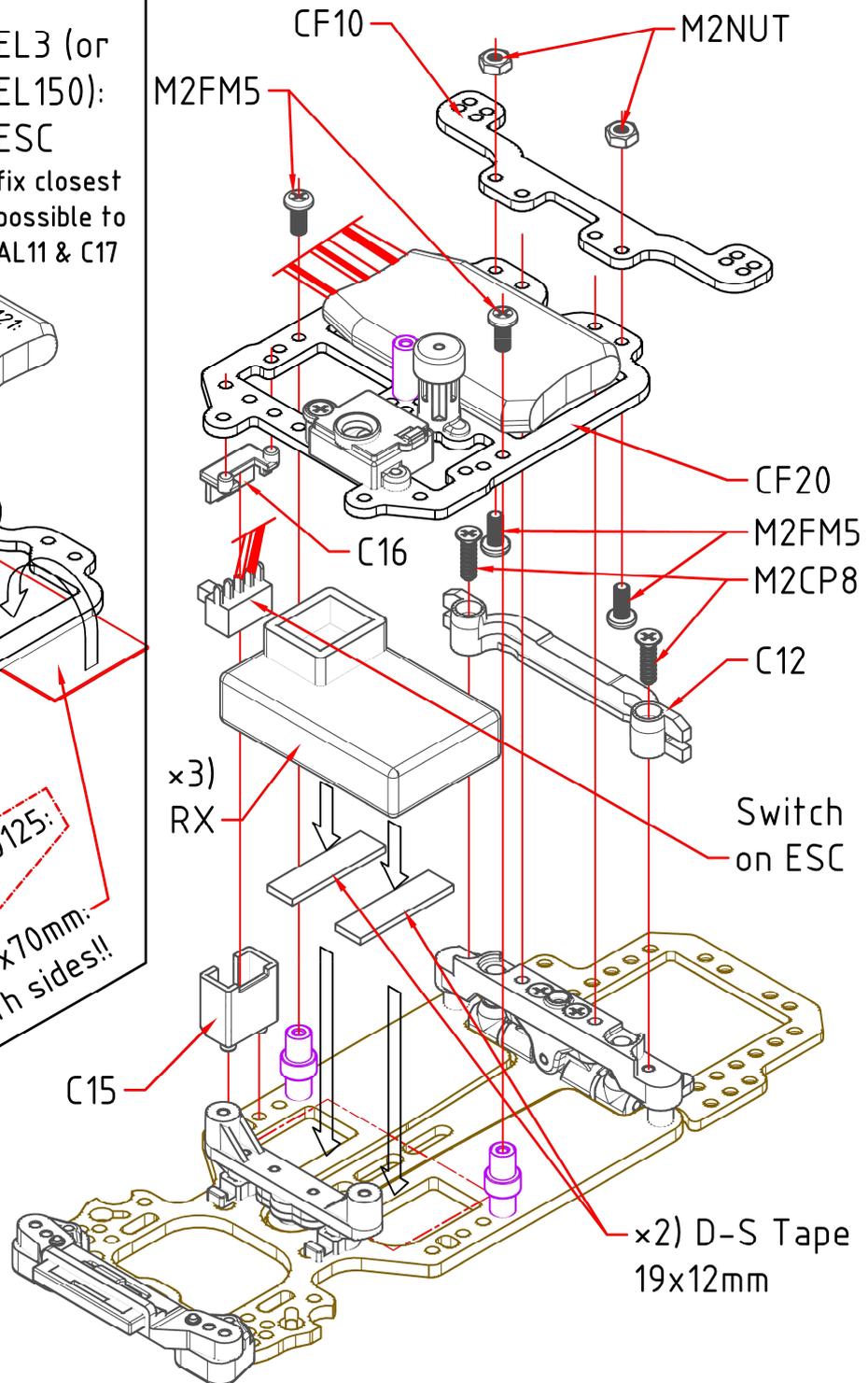
TABLE 3		
FRONT-BODY-HOLDER-INSERT:		
Original body-holder <u>slot-height</u> [mm]	JOMUREMA - parts	Extension direction:
	D - use parts:	
2,1	-	up
2,2	-	up
2,3	D1	up
2,4	D1 (D2)	up
2,5	D2	up
2,6	D2 (D3)	up
2,7	D3	up
2,8	D3 (D4)	up
2,9	D4	up
3	D4 (D5)	up
3,1	D5	up
3,2	D5 (D6)	up
3,3	D6	up
3,4	D6 (D7)	up
3,5	D7	up
3,6	D7 (D8)	up
3,7	D8	up
3,8	D8 (D9)	up
3,9	D9	up
4	D9 (D10)	up
4,1	D10	up

TABLE 4		
FRONT-BODY-HOLDER-CLIP:		
Original body-holder <u>slot-width</u> [mm]	JOMUREMA - parts	Position according B-Part
	E - use parts:	
19,4 & 19,5	E1	-
19,6 & 19,7	E2	-
19,8 & 19,9	E3	-
20,0 & 20,1	E4	-
20,2 & 20,3	E5	-
20,4 & 20,5	E6	-
20,6 & 20,7	E7	-

STEP 5

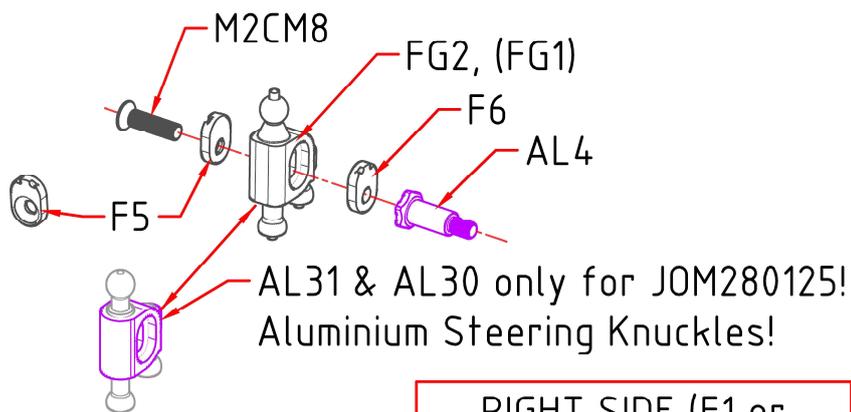


STEP 6



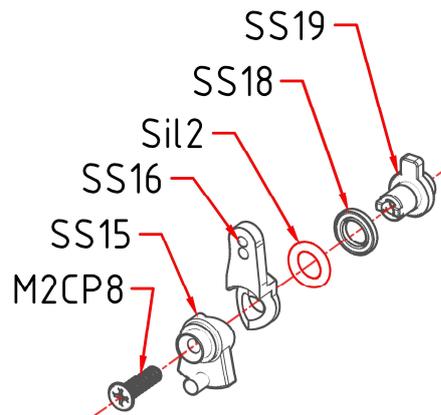
- x1) S-S Tape Single-Sided Tape
- x2) D-S Tape Double-Sided Tape
- x3) Install Receiver (RX) from your own Radio System

STEP 7

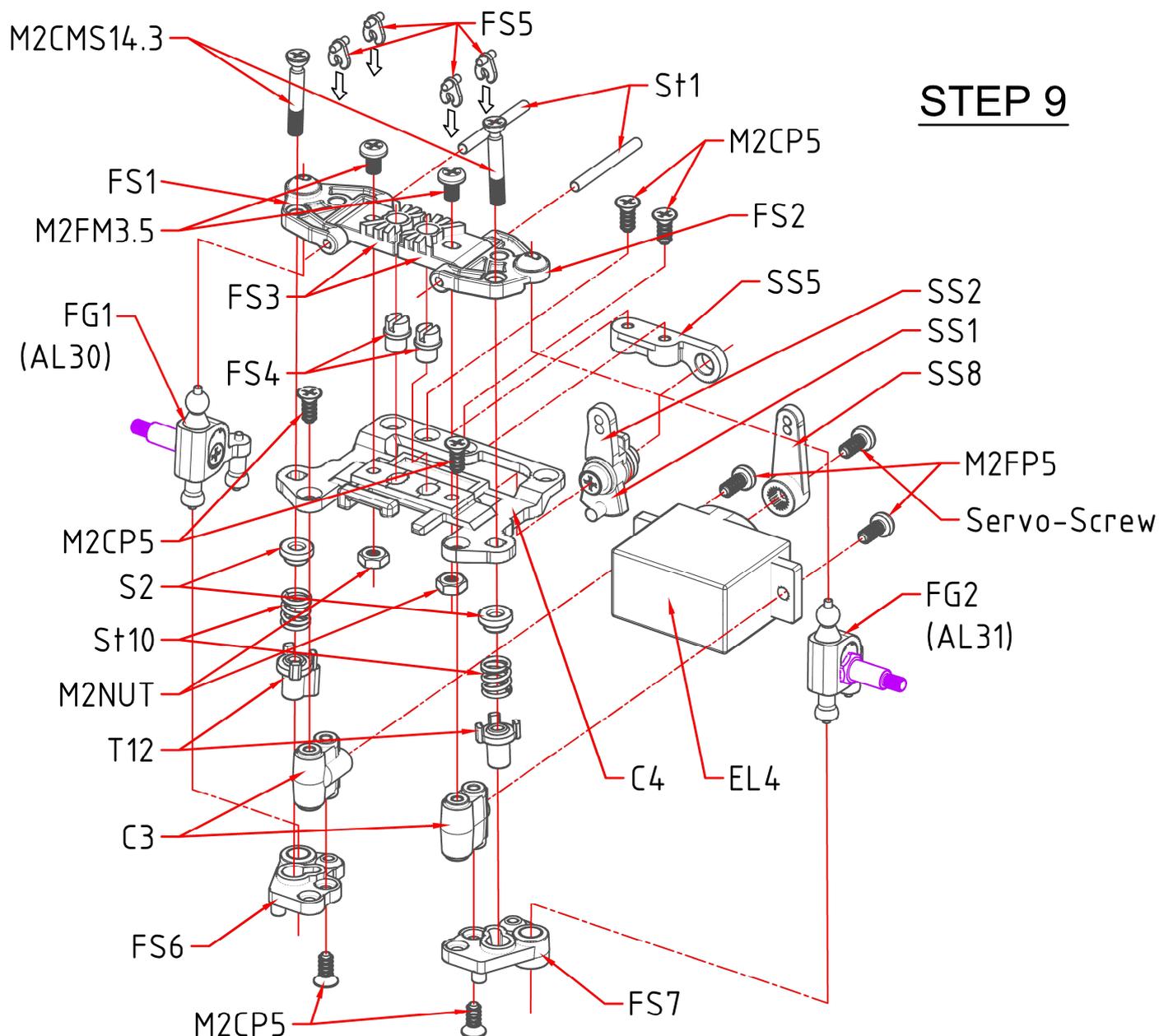


RIGHT SIDE (F1 or AL30) OPPOSITE HAND!

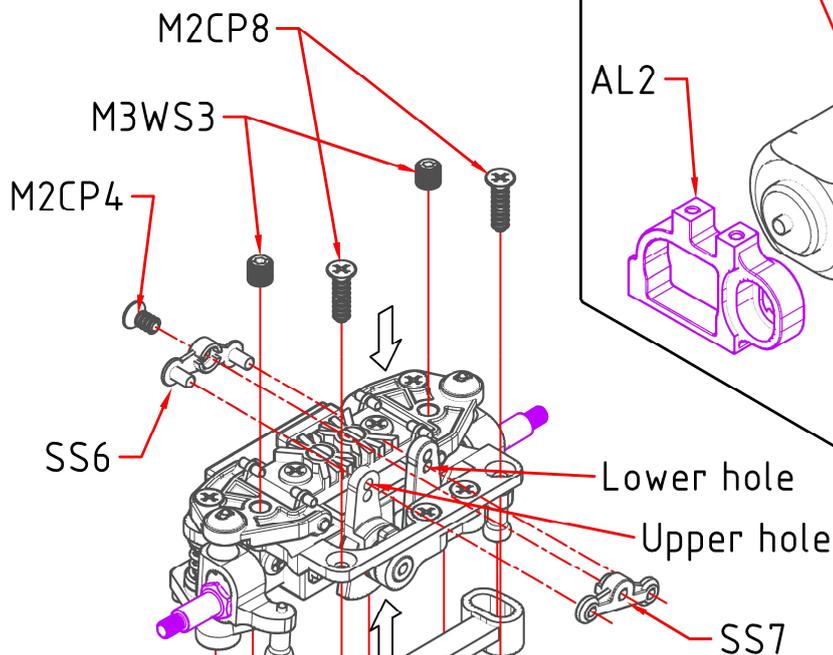
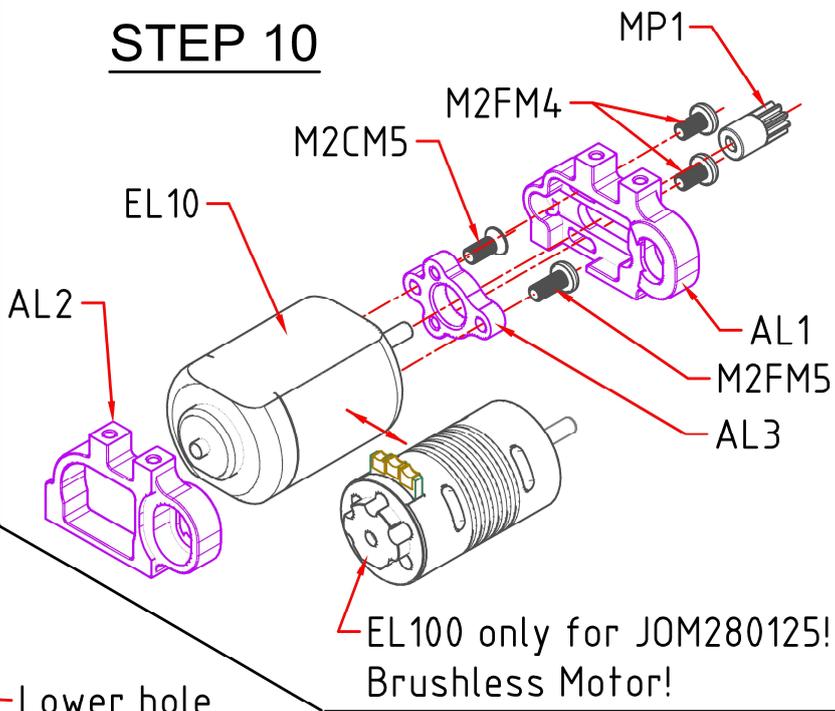
STEP 8



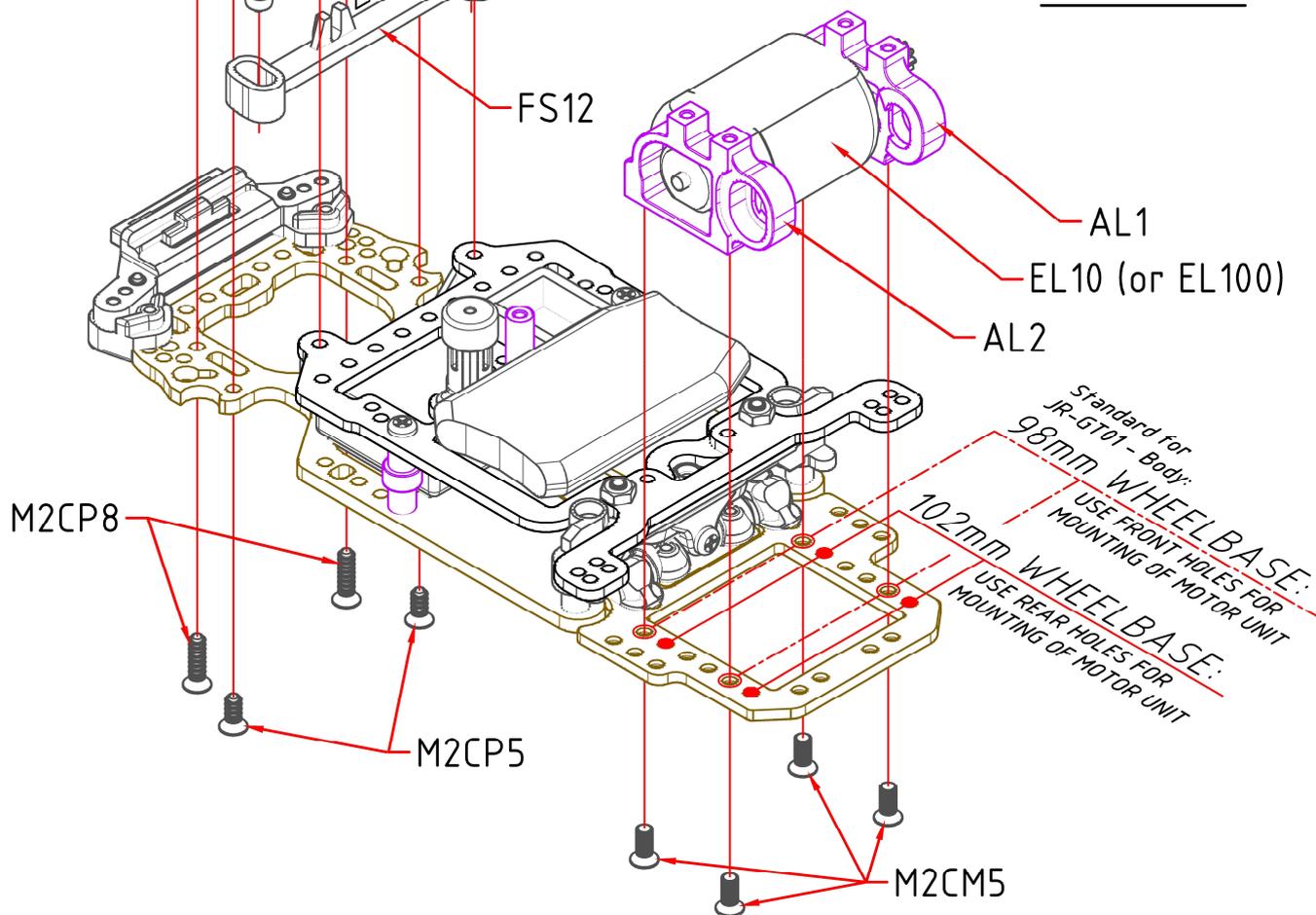
STEP 9



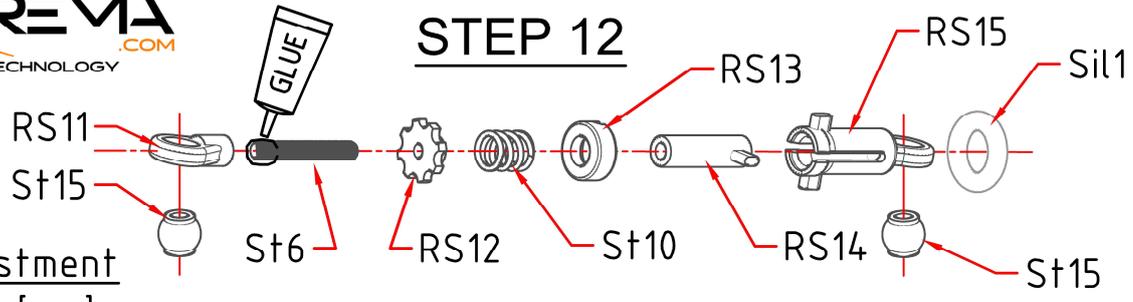
STEP 10



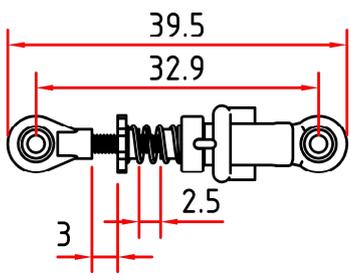
STEP 11



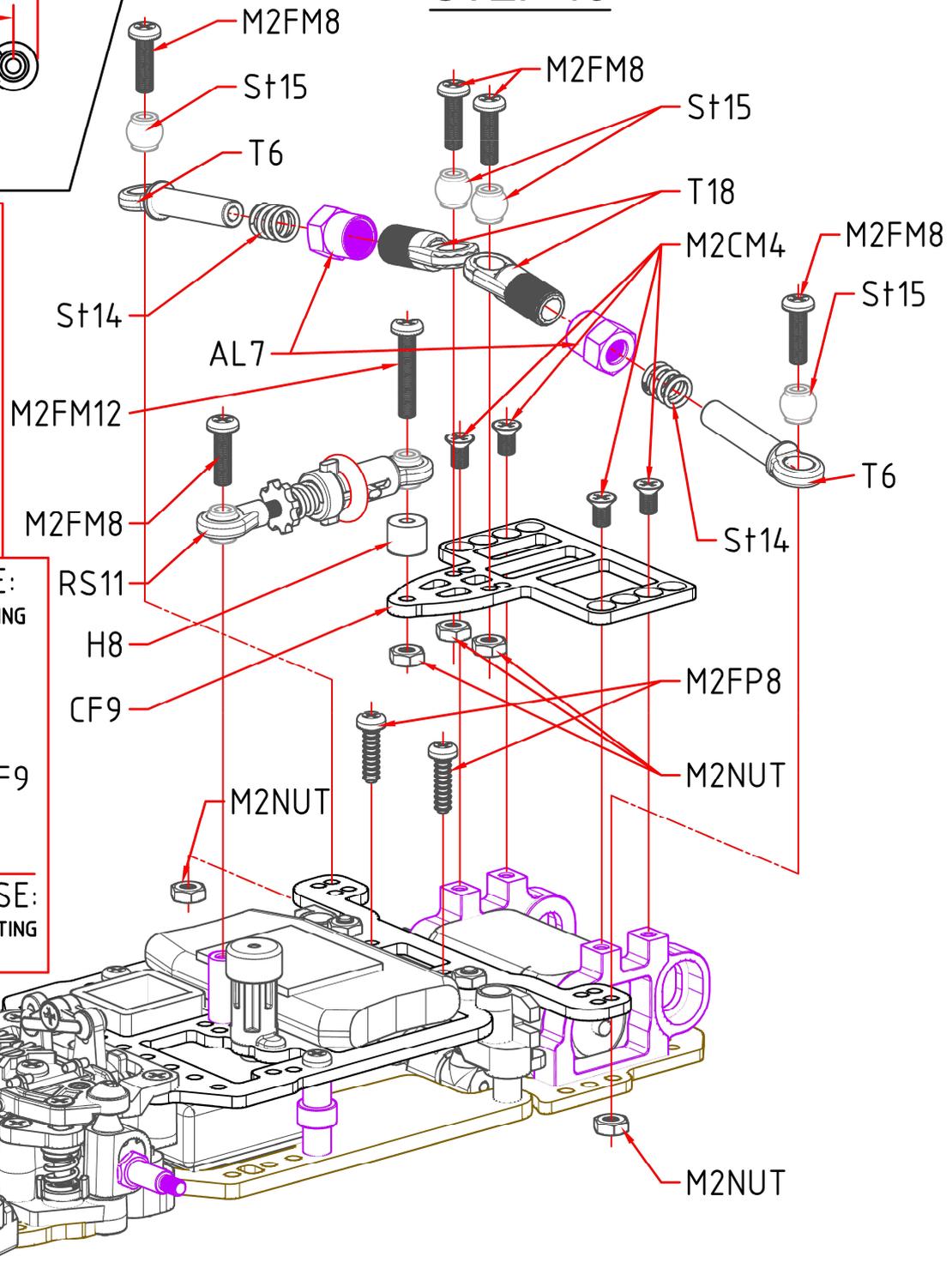
STEP 12



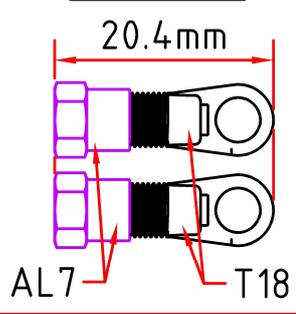
Pre-Adjustment
as shown [mm]:



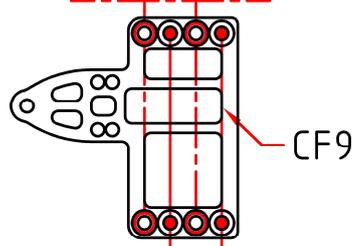
STEP 13



Pre-Adjustment
as shown:



98mm WHEELBASE:
USE FRONT HOLES FOR MOUNTING
CF9 ON MOTOR UNIT

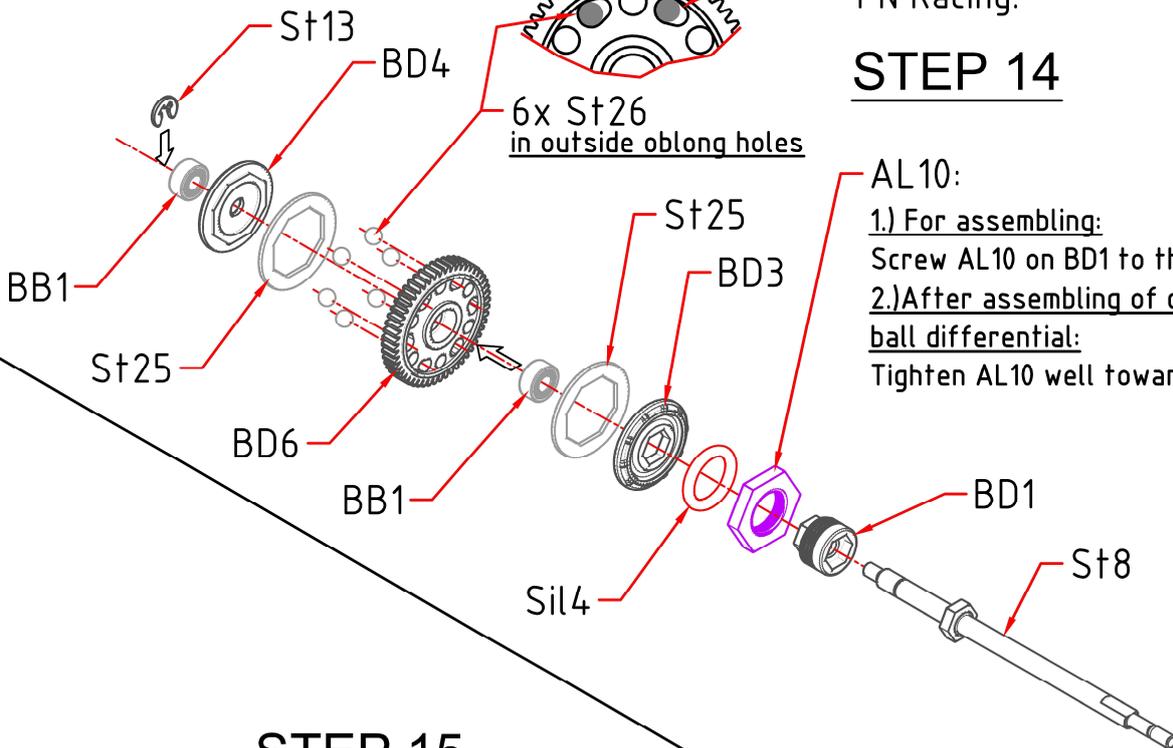


102mm WHEELBASE:
USE REAR HOLES FOR MOUNTING
CF9 ON MOTOR UNIT

car forward rotation

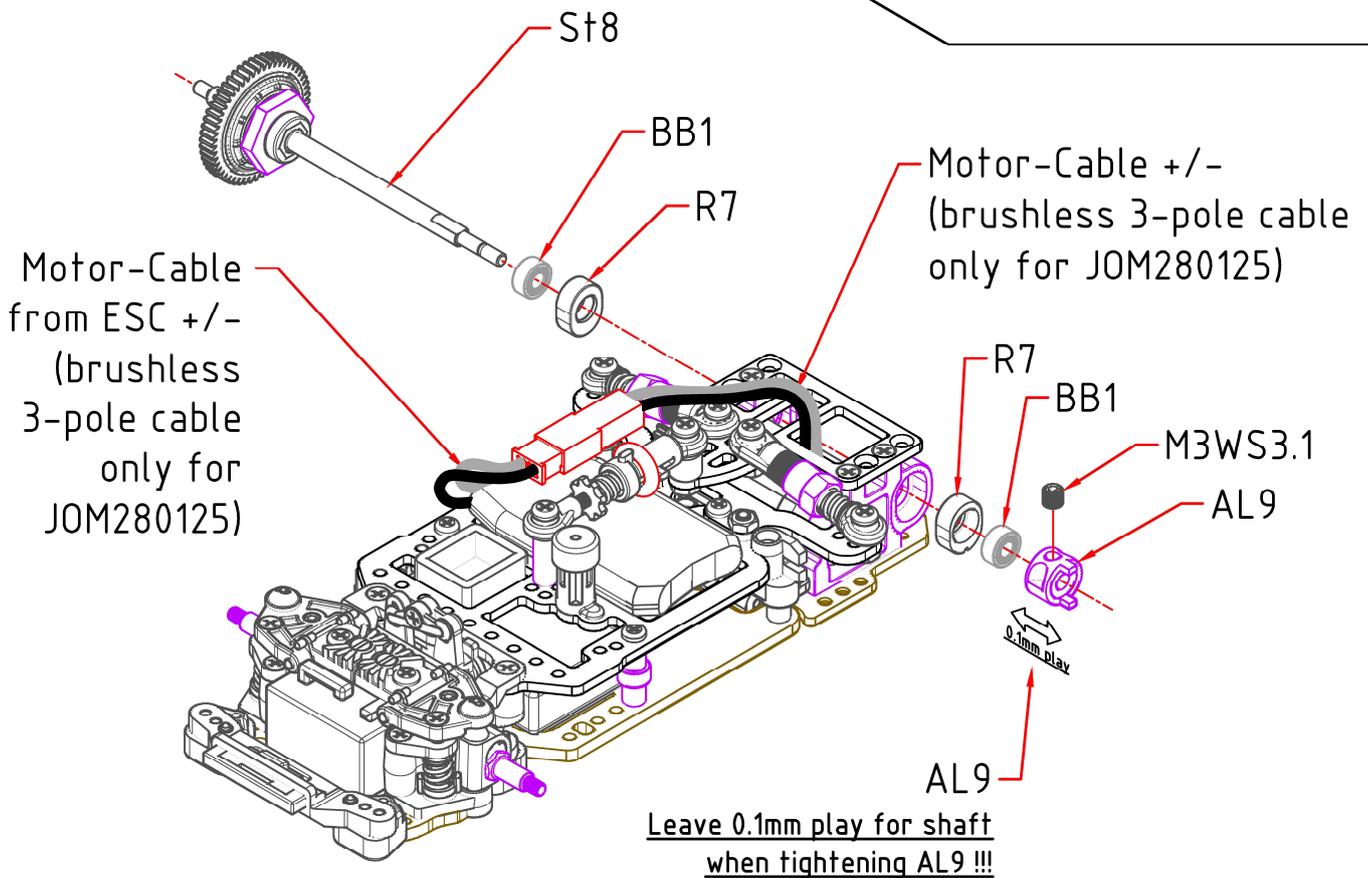
Main Gears with V-Grooves designed and licensed under PN Racing.

STEP 14

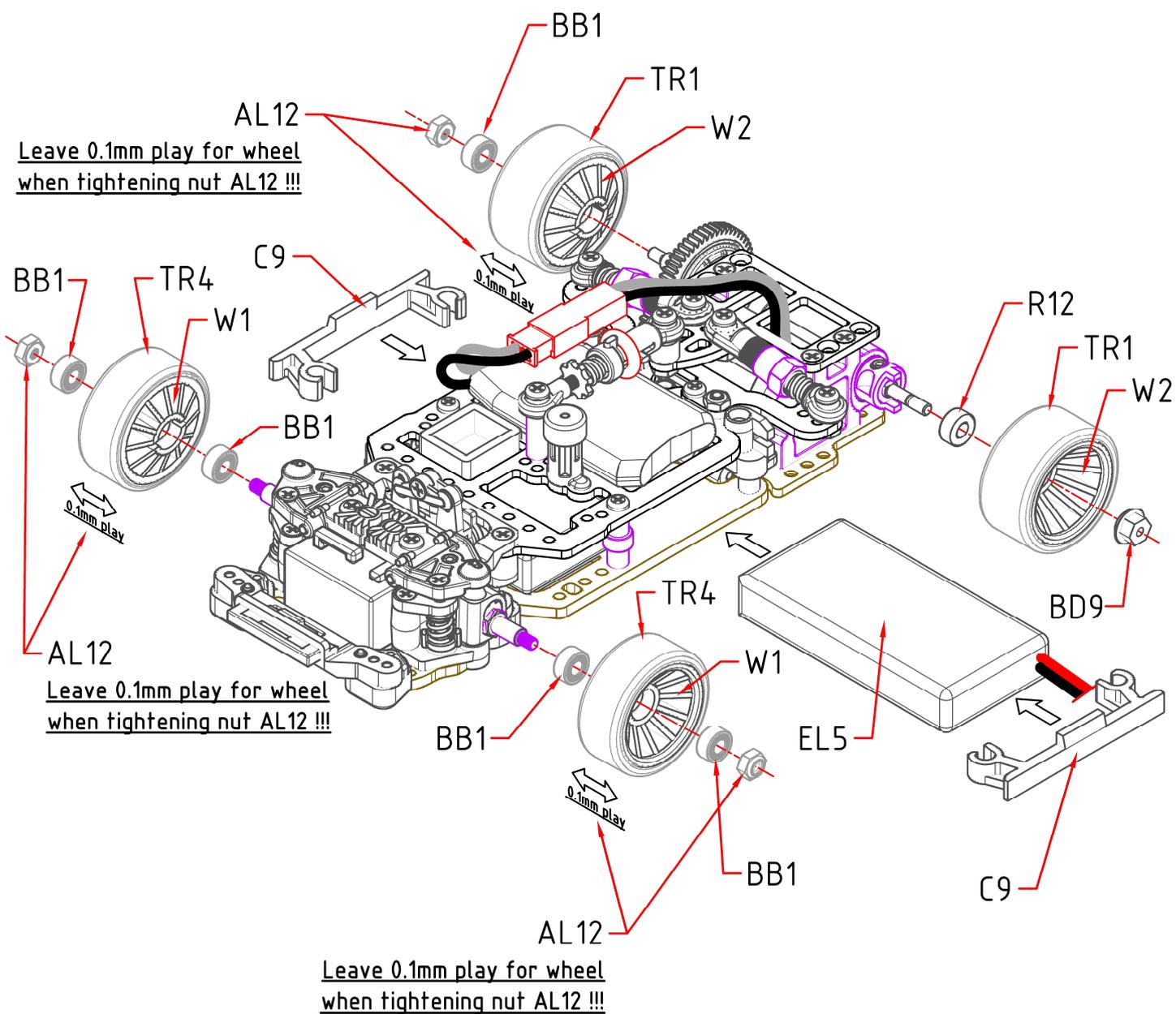


AL10:
 1.) For assembling:
 Screw AL10 on BD1 to the end!!!
 2.) After assembling of complete ball differential:
 Tighten AL10 well towards Sil4!!!

STEP 15



STEP 16

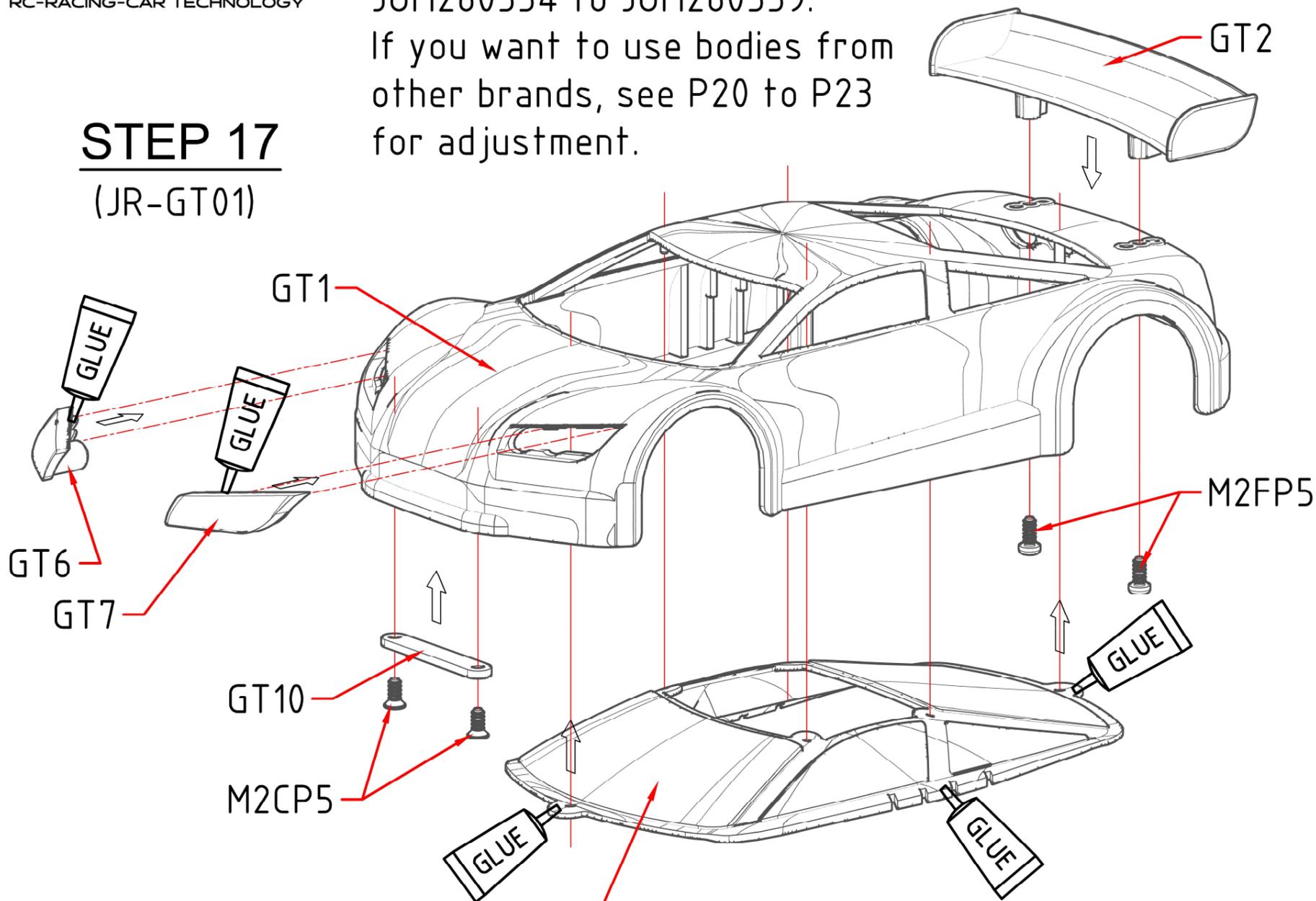


Recommended Car Body: JR-GT01:
JOM280354 to JOM280359.

If you want to use bodies from
other brands, see P20 to P23
for adjustment.

STEP 17

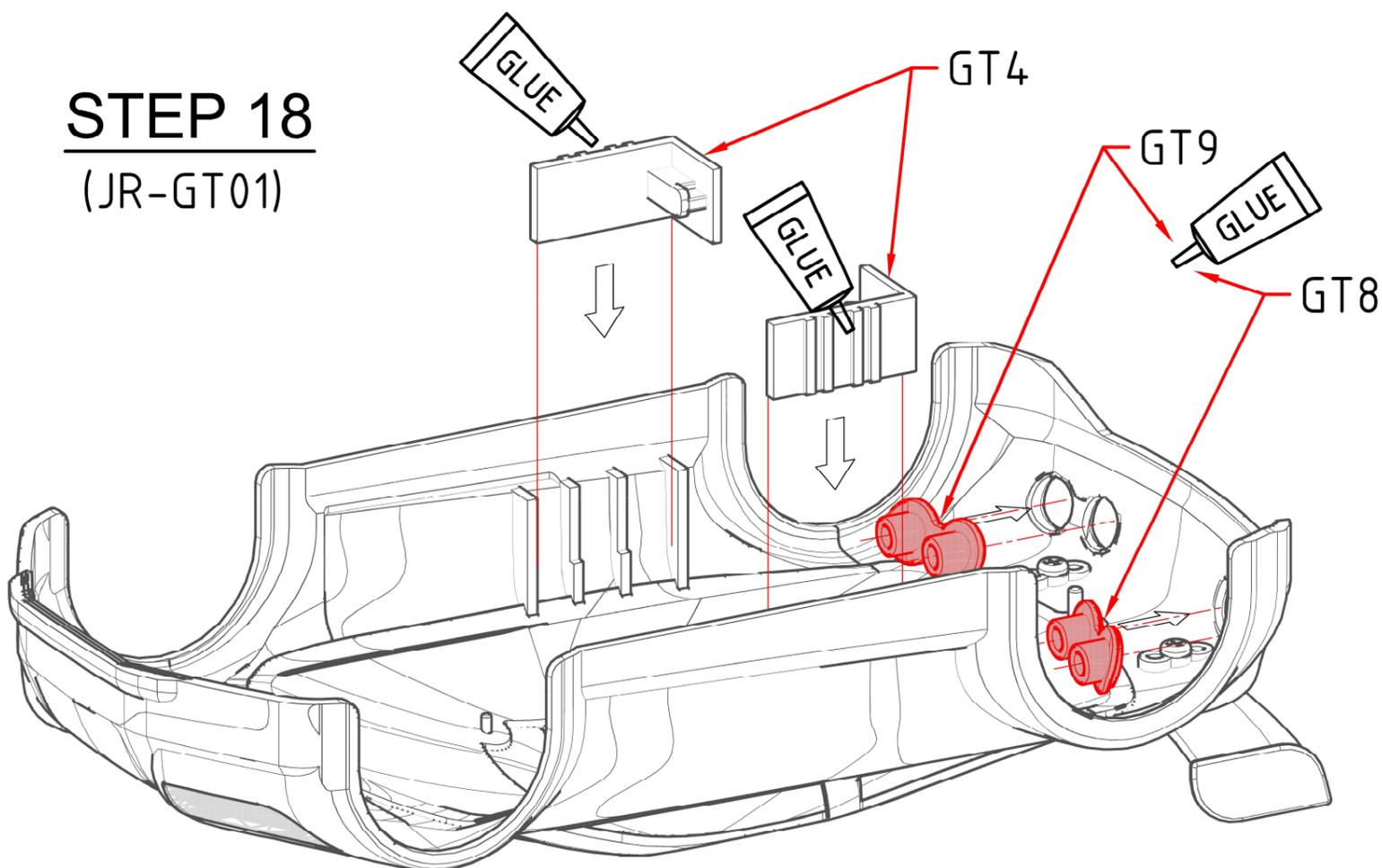
(JR-GT01)



GT5 ... or use optional: JOM280154:
-1:28 Light APET Car Glass / GT01-Body-

STEP 18

(JR-GT01)



10. Trouble Shooting:

Problem	Cause	How to solve
Model is not moving.	Chassis or transmitter power switch is not ON.	Switch power ON as per manual step 5.7 & 5.8 on P11.
	Battery or motor are not plugged properly to ESC.	Check proper fit of plugs as per manual step 5.5 on P11 & step 16 on P30.
	Battery has run low.	Change Lipo battery as per manual step 16 on P30 & step 5.5 on P11. Lipo charging, see P9.
	Matching of Transmitter (TX) with Receiver (RX) is cancelled.	Refer to other manual of FS-GT2 Transmitter. Go through matching procedure step 10.01 on P9.
Model loses control.	FORWARD and REVERSE control are opposite.	Change throttle Reverse switch to opposite position as per manual step 6.1.2 on P12.
	LEFT and RIGHT control are opposite.	Change steering Reverse switch to opposite position as per manual step 6.1.1 on P12.
	Battery inside chassis has run low.	Change Lipo battery as per manual step 16 on P30 & step 5.5 on P11. Lipo charging, see P9.
	Green light under the flap on transmitter starts flashing.	Change batteries in Transmitter (TX) as per manual step 5.3 on P11.
	Antennas are not in correct positions.	Straighten up the antenna on the transmitter and on the chassis.
	Problems with other devices using 2.4GHz nearby.	Stop using the other device, or operate model in different area.
	General problems of control.	Choose other area to run your car.
	Vibrations of steering or sounds from the chassis or steering servo.	Little vibrations and low sounds are normal side effects of the electronics. These are no faults. Loud sound of servo: see P15.

Problem	Cause	How to solve
Model is not running straight.	Steering neutral position is not trimmed correctly.	Adjust steering trim as per manual step 6.2.1 on P13.
	Wheel Nuts front and/or rear are too tight.	Adjust little gap of wheels as per manual step 5.2.2 on P10.
Model is not stopping.	Throttle neutral position is not trimmed correctly.	Adjust throttle trim as per manual step 6.2.2 on P14.
Model is running too slowly.	Battery has run low.	Change Lipo battery as per manual step 16 on P30 & step 5.5 on P11. Lipo charging, see P9.
	Wheel Nuts front and/or rear are too tight.	Adjust little gap of wheels as per manual step 5.2.2 on P10.
	Carpet fibres, dirt, dust or other foreign particles are partly covering and blocking gears, wheel shafts or motor shaft.	With power switch in OFF position clean out all dirt, dust, fibre and particles from gears wheel shafts and motor shaft.
	Motor has lost power.	Change to spare motor. Remove left rear wheel and rear shaft (P29). Remove part R4 (P27). Unplug and remove motor. With opposite procedure build in new motor. Attention on well adjusted gear play.
Steering gets very jumpy and unprecise with cracking noises.	Gears in steering servo are broken.	Change to spare servo. Remove SS6, SS7 & front unit (P27). Change servo & servo arm (P26).

Still some questions? Or missing of some informations?

For all kinds of further information regarding technics, adjustment, spare parts and option parts, please check on our website: www.jomurema.com.

All manuals for all our products will be kept available for download on this website.

If you have some open questions which this manual, your dealer or your fellow racers could not answer, please refer to us directly by using the contact form on our website for further clarification.

11. Take Notes:

***1/28 2WD indoor RACER
PRO-KIT***

***JR128-R01
PRO-KIT (& brushless)***

INSTRUCTION MANUAL

PLEASE READ THIS MANUAL THROUGH THOROUGHLY BEFORE USE