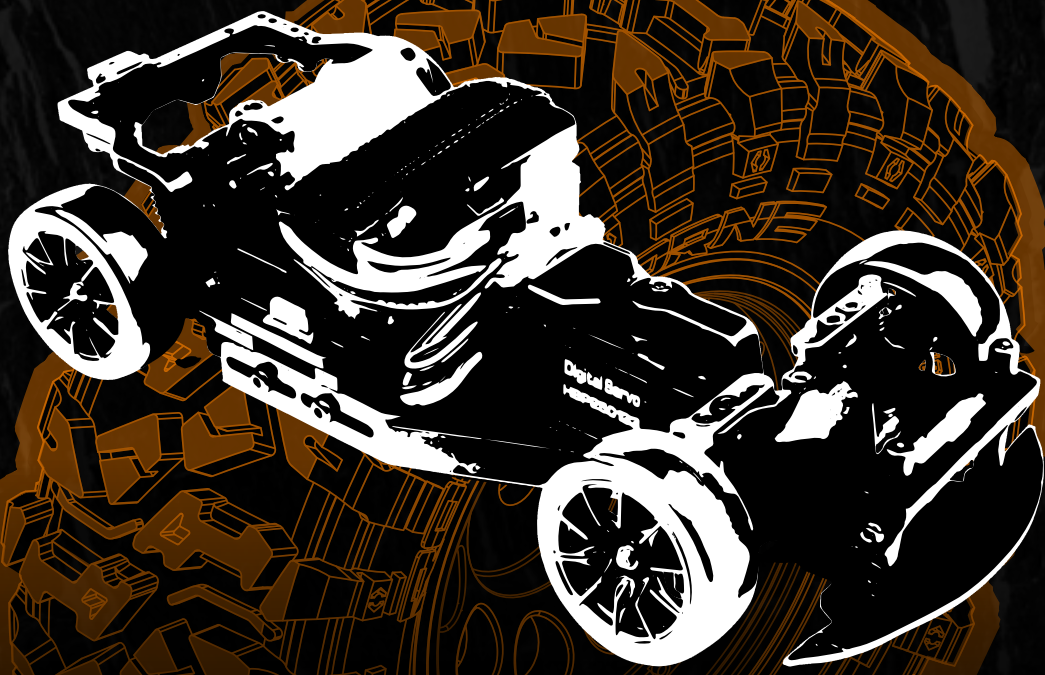
UG

STAGE D24

ステージ

User Guide



STOP AT NOTHING.

WWW.HPIRACING.COM

hpi·racing

En

161002-006-UG

Thank you

Thank you for selecting this HPI RACING product!

This kit is designed to be fun to drive and uses top quality parts for durability and performance. The instruction manual you are reading was designed to be easy to follow yet thorough in its explanations. HPI Racing wants you to enjoy driving your new R/C kit. If you come across any problems or need some help getting through a step, you can contact us on the internet at www.hpiracing.com.

This is a high performance R/C kit, and it requires regular maintenance for best performance. If you don't do regular maintenance the performance will suffer. HPI has all the necessary parts and accessories available to keep your car performing at its best.

The caution or attention symbols will warn you about steps that can be very dangerous.

Please read and understand the instructions carefully before proceeding.



Cautions

Failure to follow these instructions can damage your kit, and cause serious bodily injury or death.



Attention

Failure to follow these instructions can cause injury to yourself or others.

You might also cause property damage or damage your kit.



Cautions

Before Running	**Please read manual (with parent, guardian or a responsible adult if necessary).**
While Operating	**Please do not run on a public street, this could cause serious accidents, personal injuries and/or property damage.**
	Please do not run near pedestrians or small children.
Before Operating	**Make sure that all screws and nuts are properly tightened.**
	Always use fresh batteries for your transmitter and receiver to avoid losing control of the model.
	Please confirm the neutral throttle trigger position.
After Running	**Turn OFF receiver first, then turn OFF transmitter. This will prevent the car from losing control.**
	After running a HPI RACING product, it is necessary to perform routine maintenance. Failure to do this can result in increased wear and damage to the engine and chassis.
Battery safety	**Please be careful when handling the battery. It will be hot after running. If the wire is frayed, a short circuit can cause a fire.**

Contents

Section	Contents	Page
1	**Troubleshooting**	**4**
2	**Maintenance**	**5**
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2-2	Wheel Maintenance	7
2-3	Motor and Pinion Gear Maintenance	8
2-4	Drivetrain Maintenance	9
2-5	Shock Maintenance	12
3	**Setup/Customisation**	**13**
3-1	Track Width Adjustment	13
3-2	Wheelbase Adjustment	19

Additional Information

QS	*Quick Start Guide*	+ WWW
TG	*Technical Guide*	+ WWW
BM	*Body Installation*	+ WWW
SG	*Startup Guide*	WWW
RM	*Transmitter Manual*	WWW
EM	*ESC Manual*	WWW
UG	*This Guide*	WWW

EM 1-1

NOTE - This refers to the relevant guide (as above) and the relevant section. In this example, Section 1-1 of the ESC Manual.

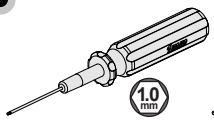
1 Troubleshooting

STAGE D24

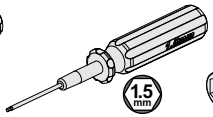
If RC car does not move or you have no control, see below

Problem	*Cause*	*Remedy*
Does Not Move.	Battery is not placed properly in the transmitter.	Place batteries in the transmitter properly.
	Weak or no battery in model.	Install charged battery.
	Damaged motor.	Replace with new motor.
	Frayed or broken wiring.	Splice and insulate wiring completely.
	ESC is shut down by heat protection circuit.	Stop driving immediately, do not drive the car until the Speed Controller cools down.
No Control.	Weak or no batteries in transmitter or model.	Install charged or fresh batteries.
	Neutral position or trim is incorrect.	Adjust the steering trim.
	Binding Setup is incorrect.	Make sure binding is setup properly.
Steering and Throttle Function Reversed.	Servo reverse switch is in the wrong position.	Set to correct position.
	Wires from ESC to motor are improperly connected.	Re-connect the motor.

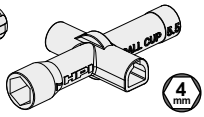
Recommended Tools



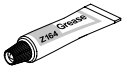
Allen Wrench



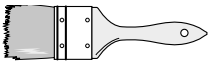
Allen Wrench

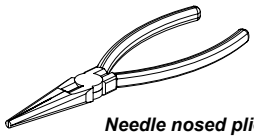


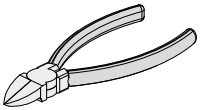
cross wrench



Z164 Grease


Brush


Needle nosed pliers


Side Cutters


Rag


Oil Spray

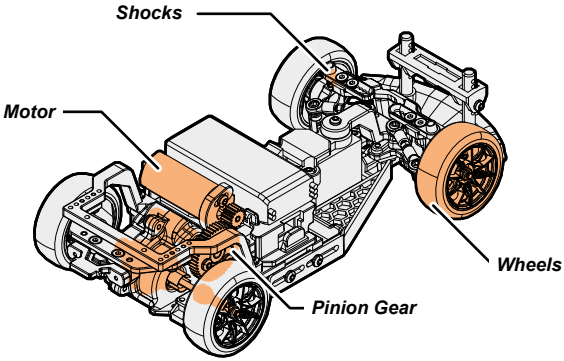


Car Cleaner

Maintenance Schedule

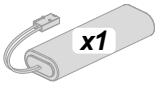
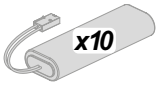
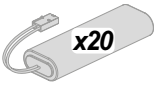
For maintenance schedule, refer to chart.

After running, clean the chassis and check all moving parts for damage. If any parts are broken or damaged, repair or replace them before the next run. Regular maintenance is necessary to prevent damage to the car and maintain its performance.



! **Refer to sellable number to purchase parts.**

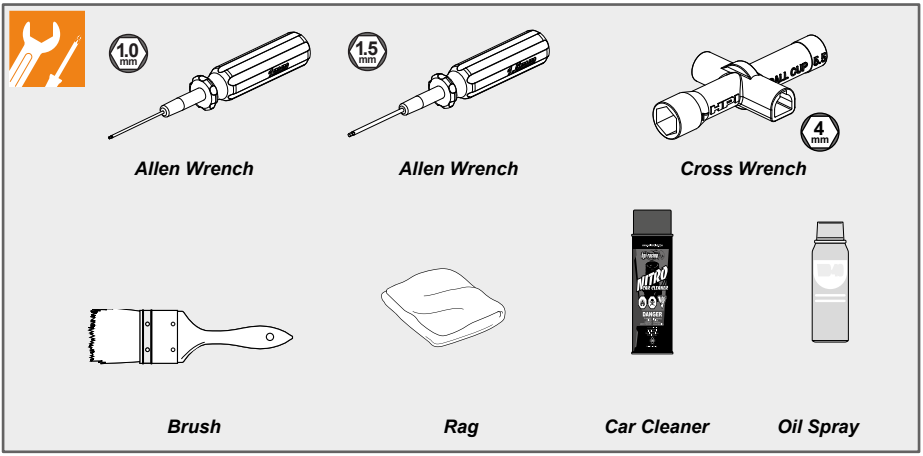
! **Look for any damaged parts.**

 x1 Every Pack.	 x10 Every 10 Packs.	 x20 Every 20 Packs.	Maintenance Item	Section Reference	
✓	✓	✓	Chassis Maintenance	PG 6	2-1
✓	✓	✓	Wheel Maintenance	PG 7	2-2
		✓	Motor and Pinion Gear Replacement	PG 8	23
		✓	Drivetrain Maintenance	PG 9	2-3
		✓	Shock Maintenance	PG 12	2-5
		✓	Radio Maintenance		RM

2-1 *Chassis Maintenance*

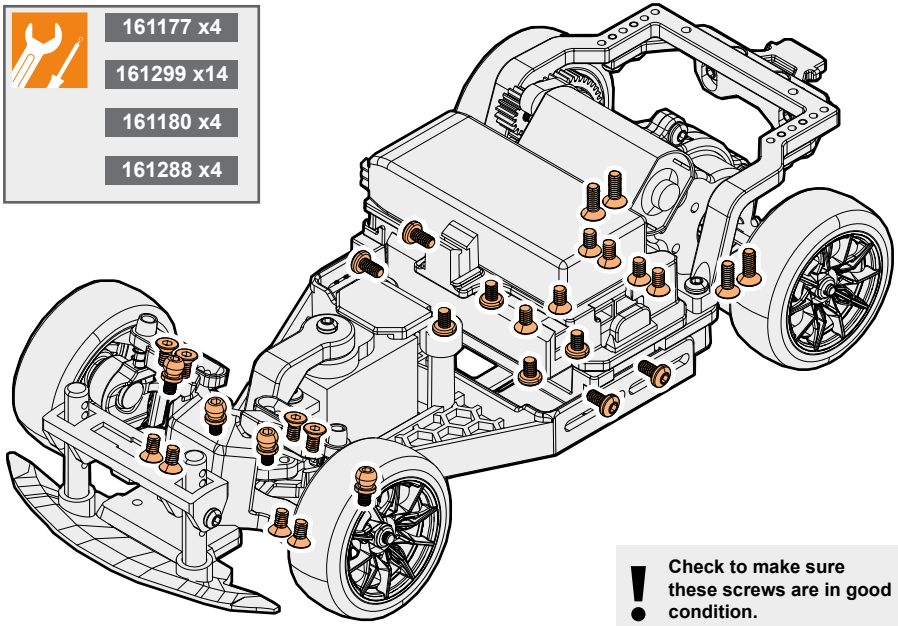
After running, clean the car and lubricate metal to metal contacts. Replace damaged parts, and check that all the screws are tight.

1



Allen Wrench *Allen Wrench* *Cross Wrench*

Brush *Rag* *Car Cleaner* *Oil Spray*



161177 x4
161299 x14
161180 x4
161288 x4

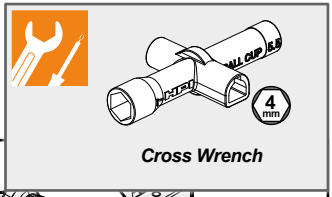
Check to make sure these screws are in good condition.

1.Steering knuckle screws.

2. Chassis screws

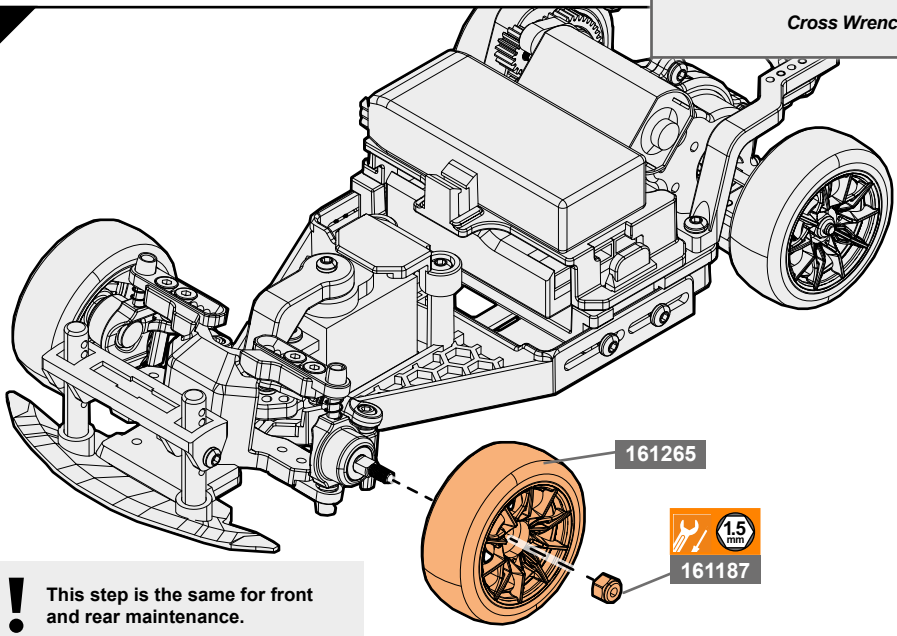
2-2 *Wheel Maintenance*

Make sure the tires are secured on the wheels.



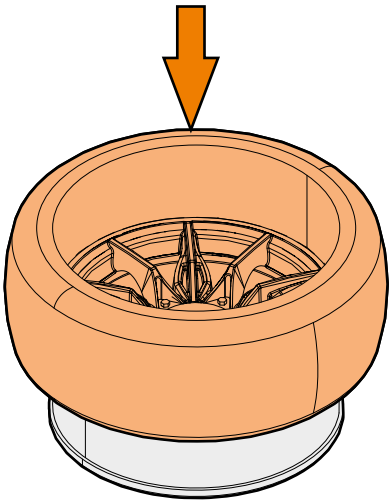
Cross Wrench

1



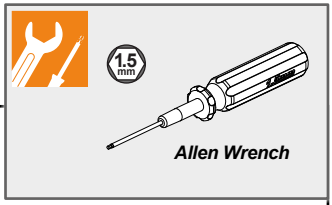
This step is the same for front and rear maintenance.

2 ***Re-seat tire if necessary***

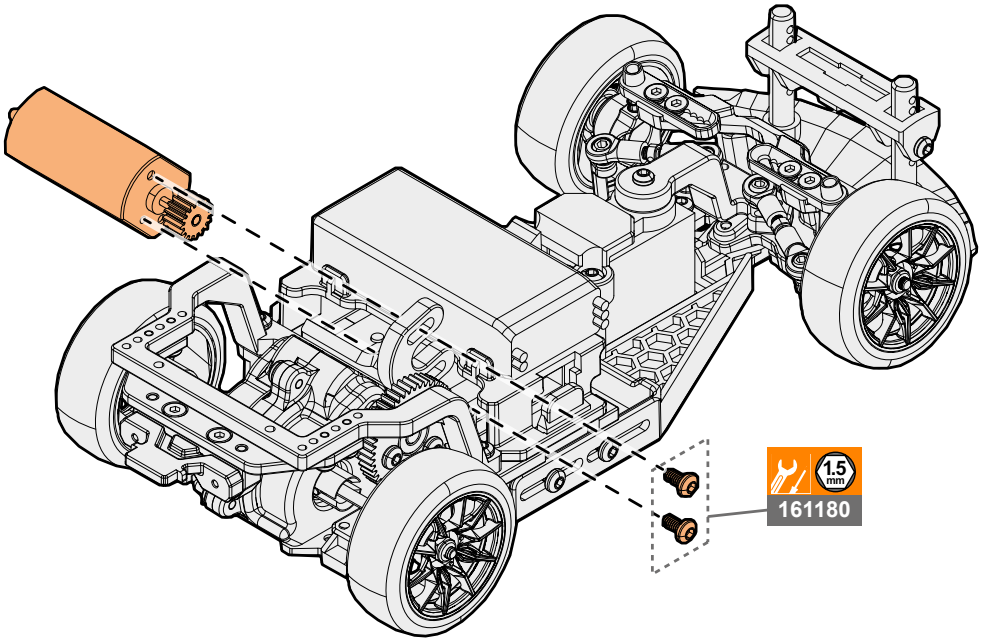


2-3 *Motor and Pinion Gear Maintenance*

Adjust pinion and spur gear mesh so that they operate smoothly.

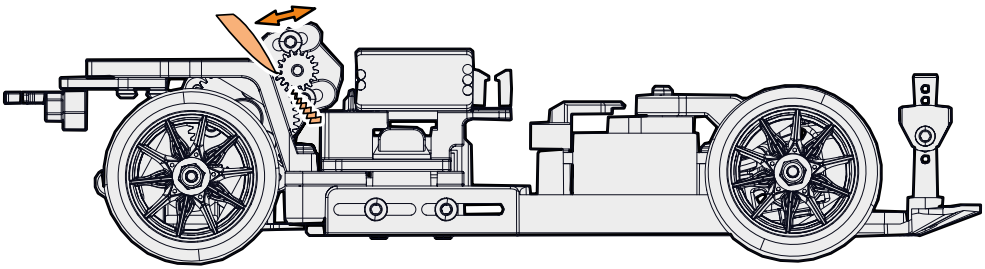


1



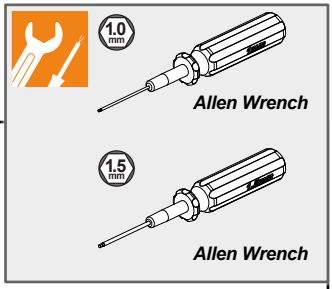
2

Adjust the motor position to achieve the correct gear mesh. To set the gear mesh correctly, place a piece of paper between the gears and tighten the motor mount screws. Incorrect gear mesh may damage the spur gear.

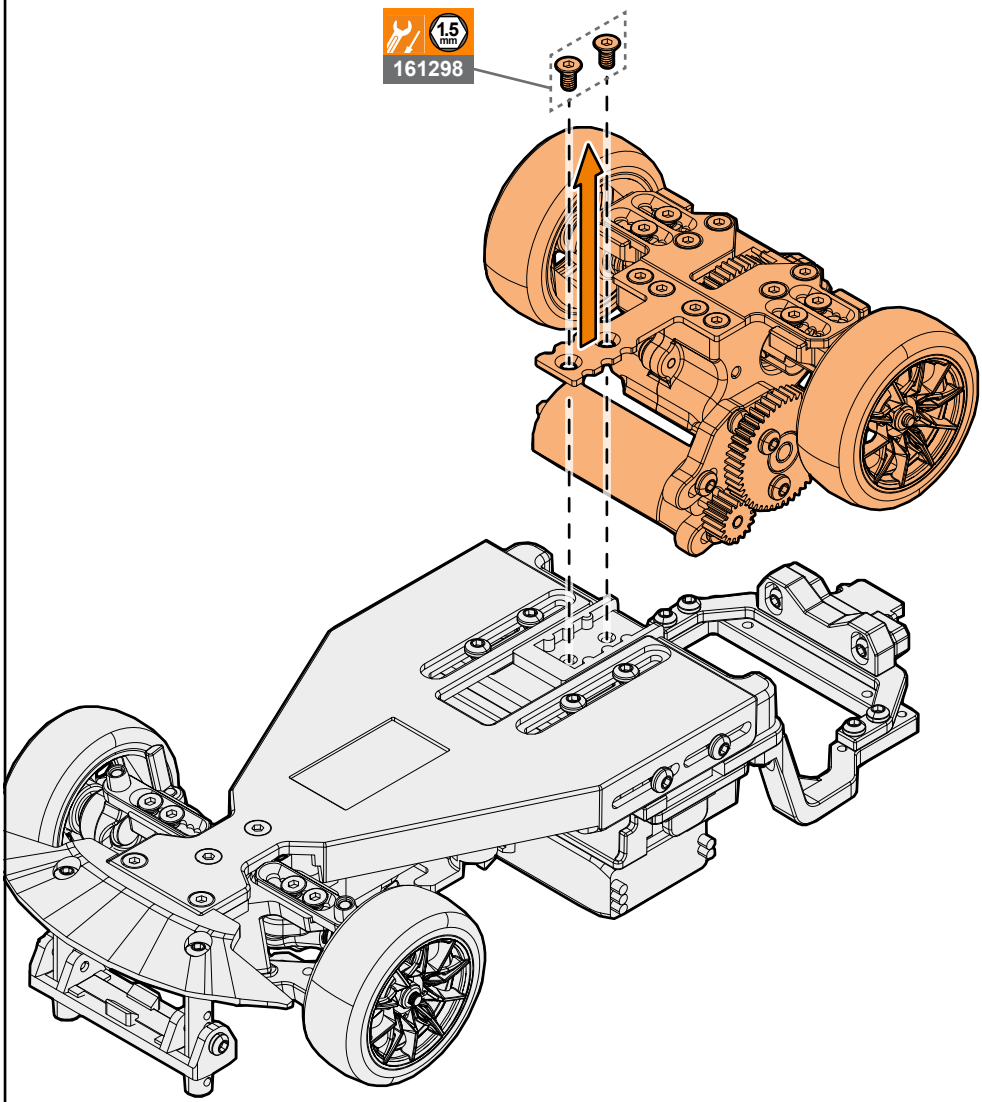


2-4 *Drivetrain Maintenance*

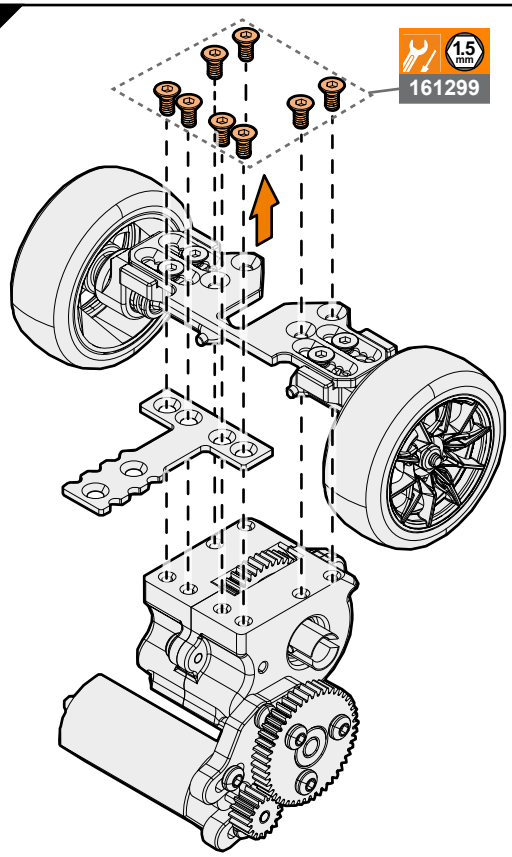
Inspect for gear wear. Repair or replace if necessary.



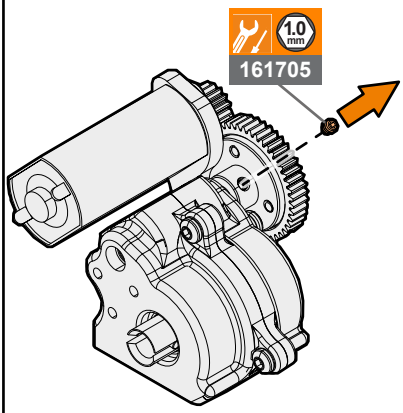
1



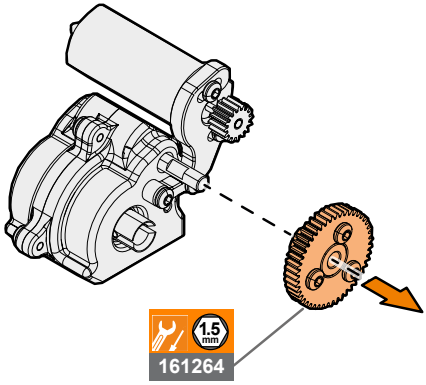
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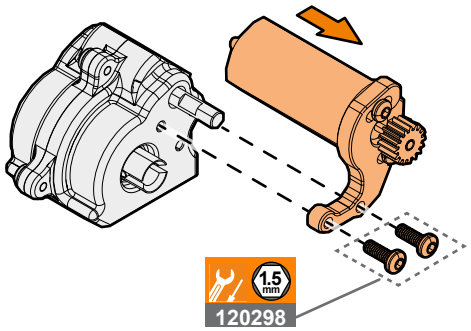
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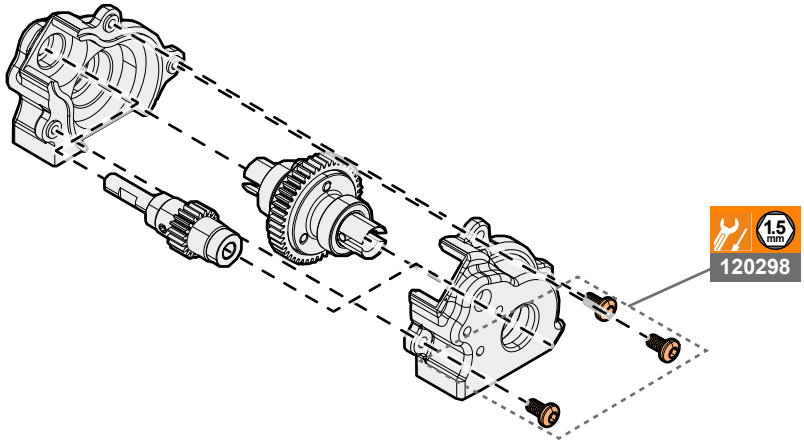
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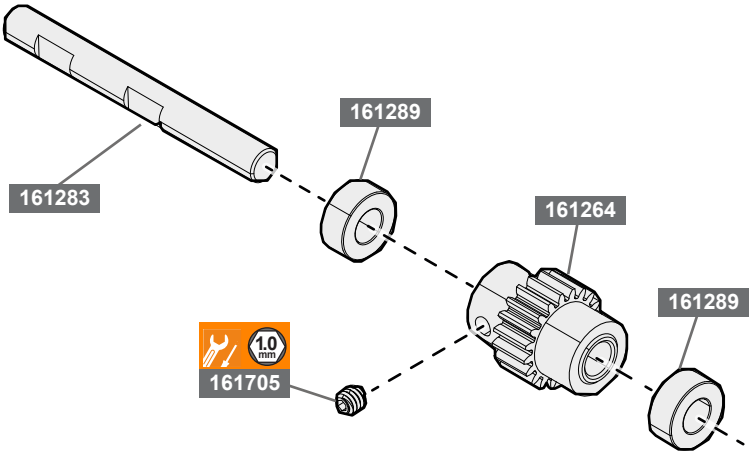
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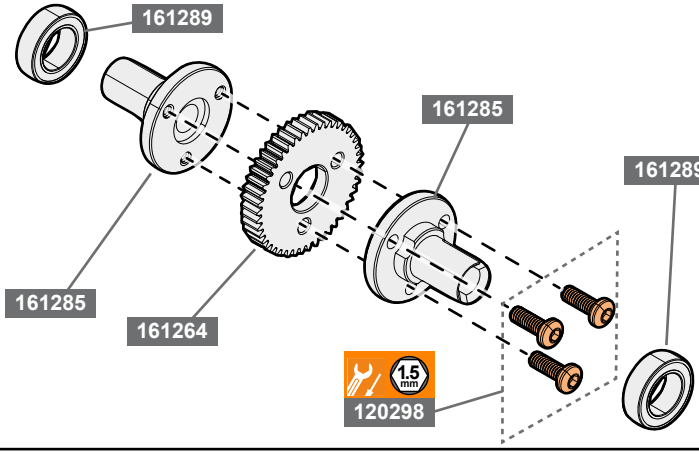
6


1.5 mm
120298

7

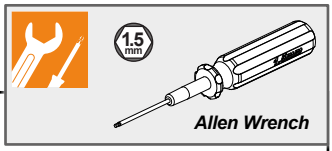

161289
161283
161264
161289
1.0 mm
161705

8

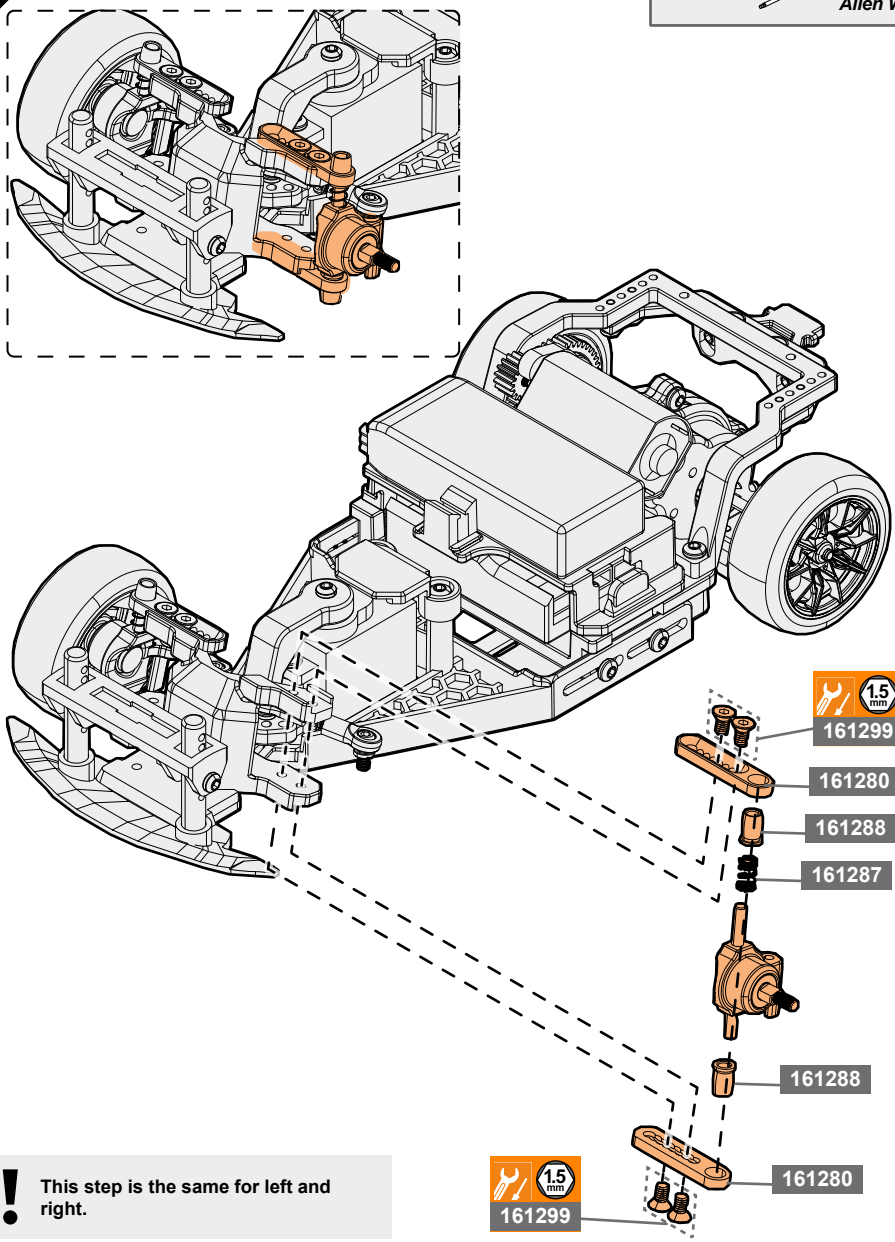

161289
161285
161289
161285
161264
1.5 mm
120298

2-5 *Shock Maintenance*

Inspect shocks for damaged or worn parts.
Repair or replace if necessary.



1

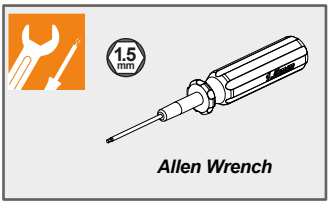


! **This step is the same for left and right.**

3-1 *Track Width Adjustment*

Track Width: Affects drift stability and rotation. A wider track provides greater stability, while a narrower track allows quicker transitions and easier rotation.

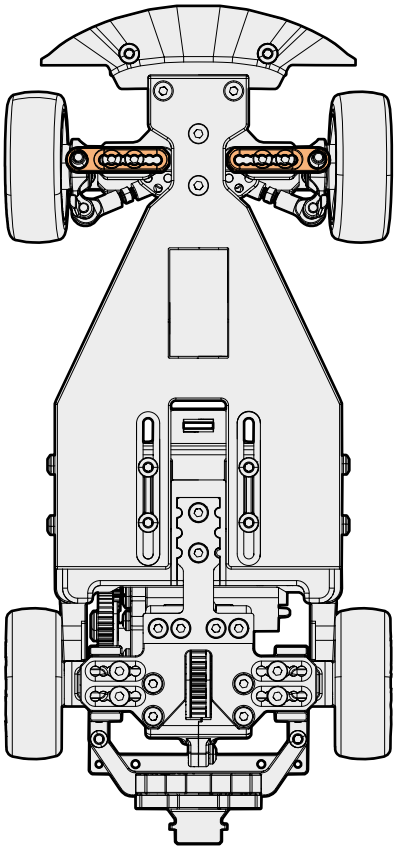
Track Width can also be adjusted to suit different body-shell widths and wheel fitment.

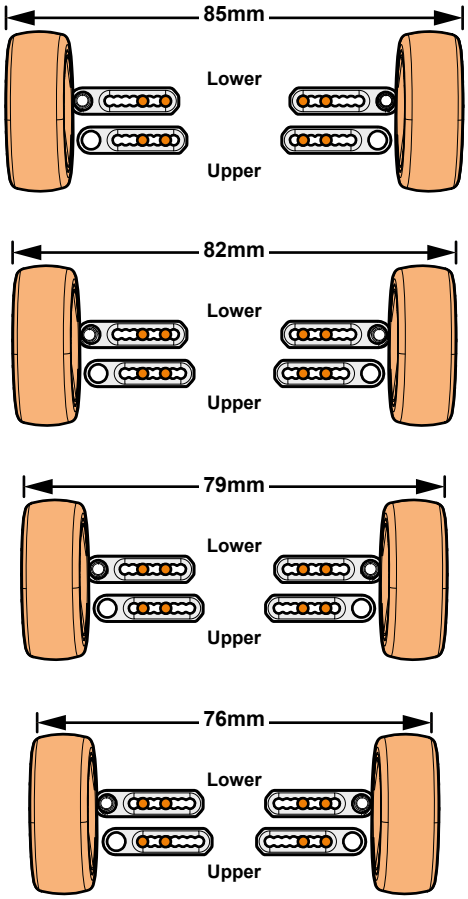


Allen Wrench

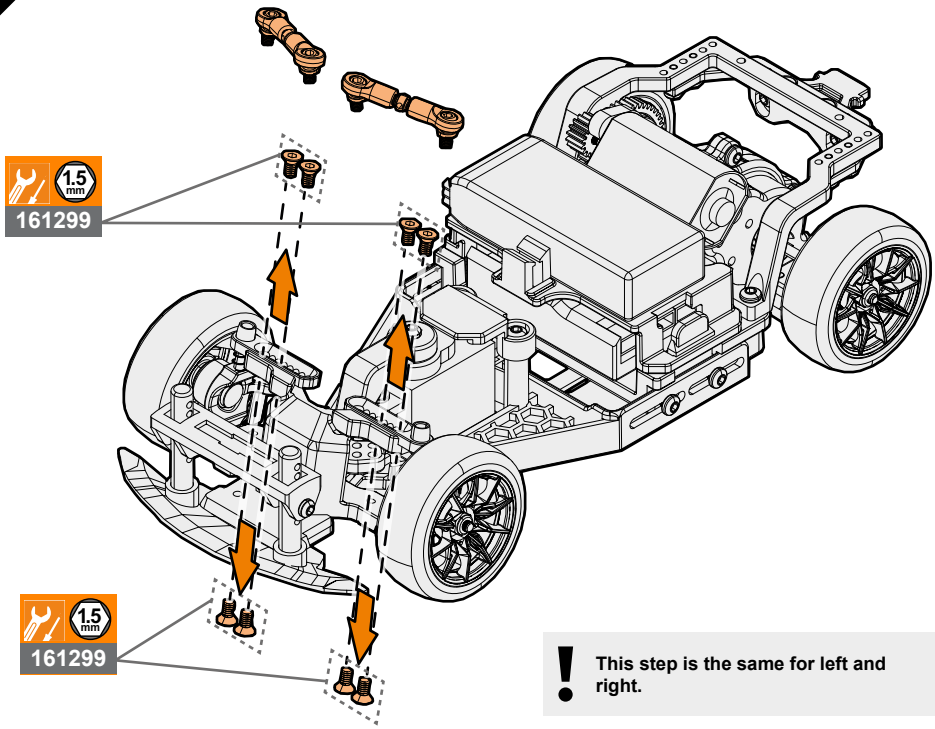
3-1-1 Front Axle

1 *Chose the desired front wheel track width*





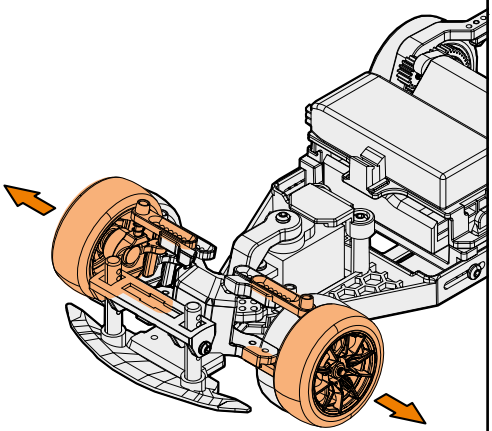
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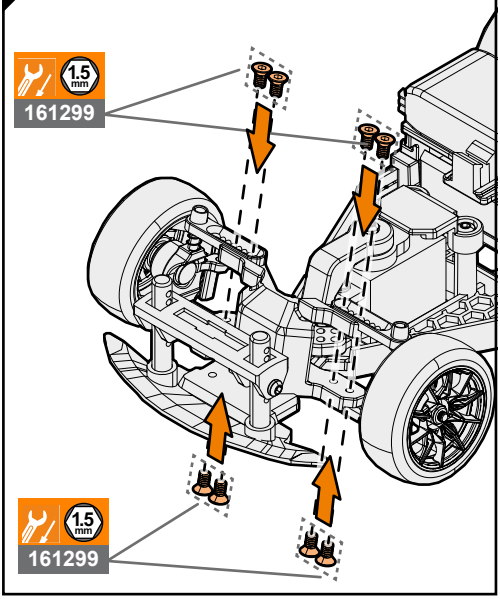
! **This step is the same for left and right.**

3

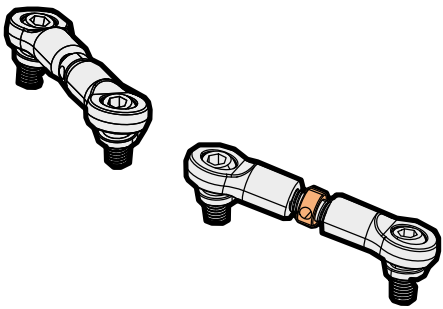
Set to desired position from Step 1



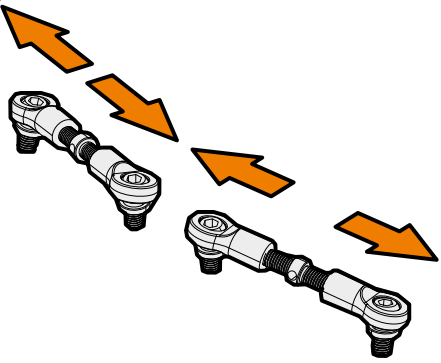
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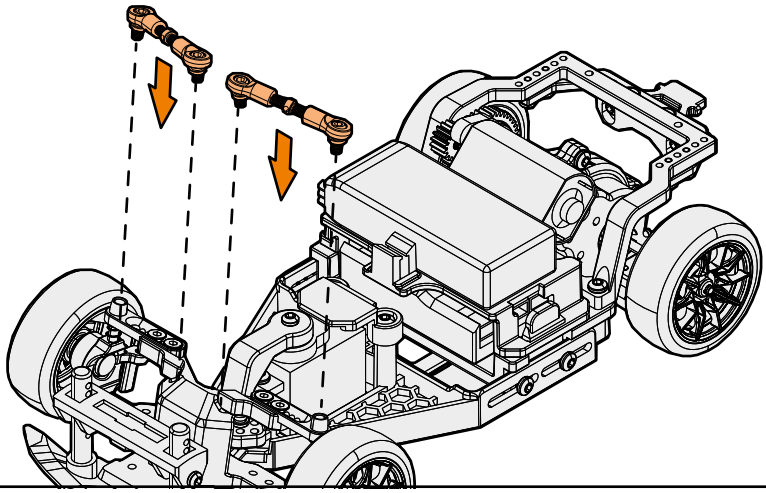
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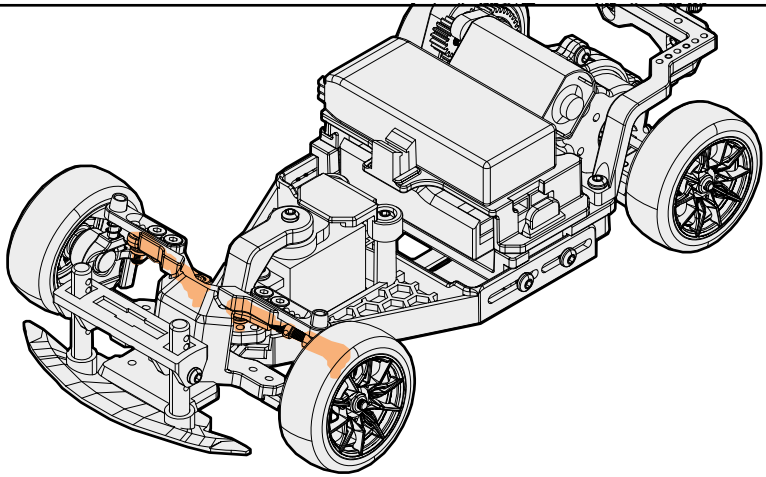
6



7

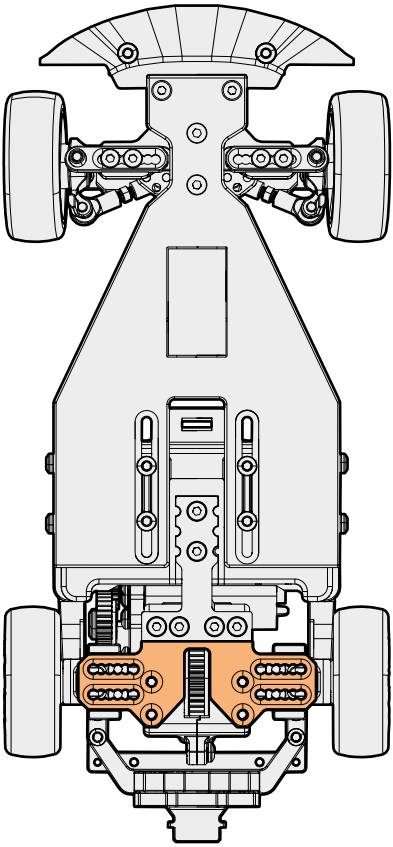


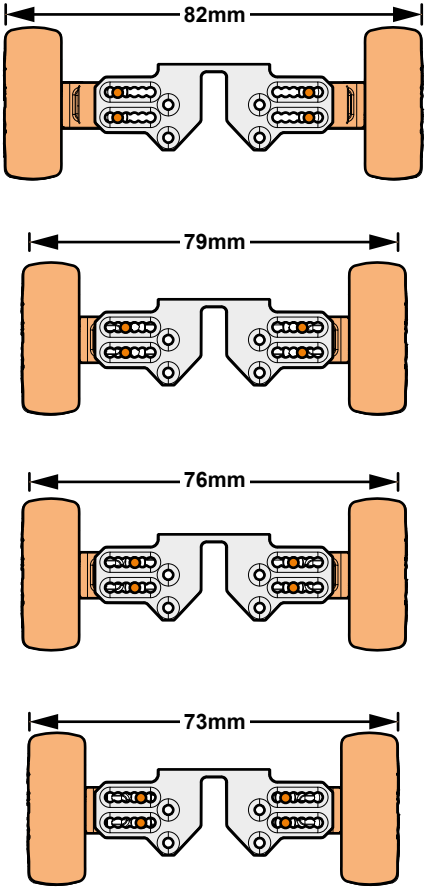
8



3-1-2 Rear Axle

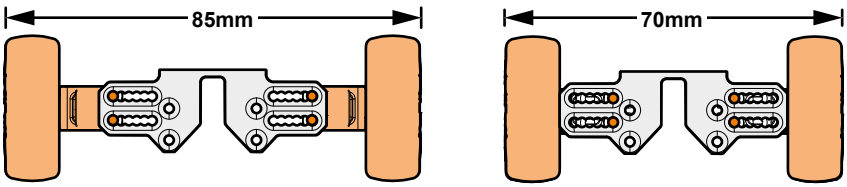
1 *Chose the desired rear wheel track width*



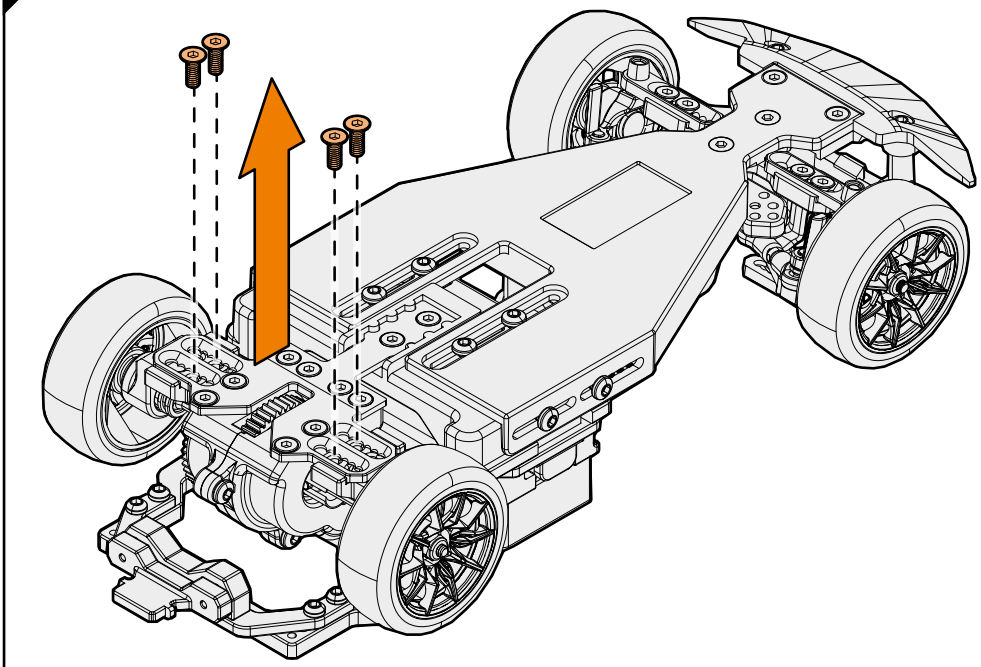


! **The widest and narrowest positions are not compatible with the supplied driveshafts.**

Alternative driveshafts are required to use these positions.

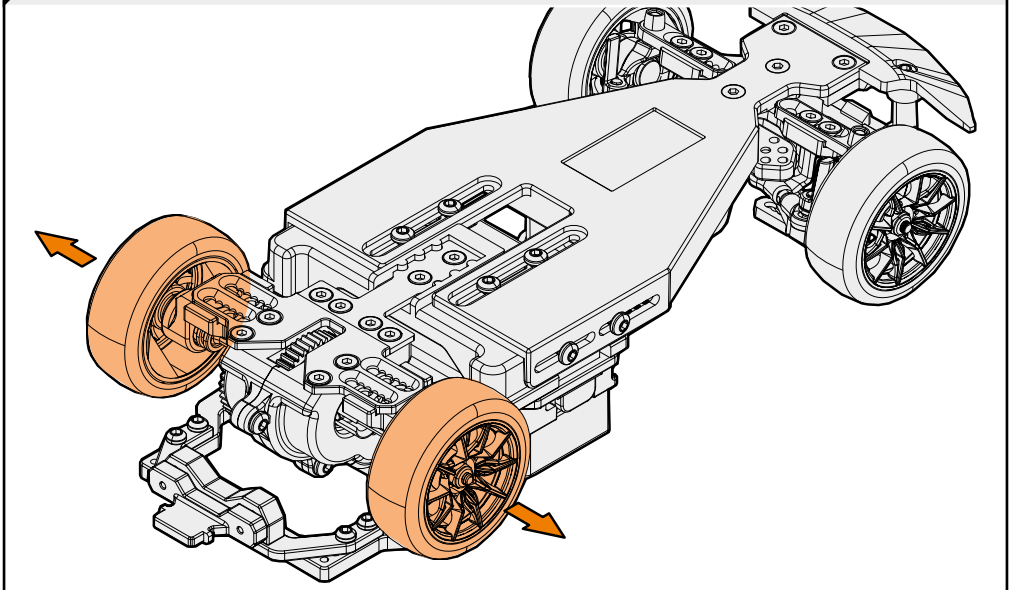


2

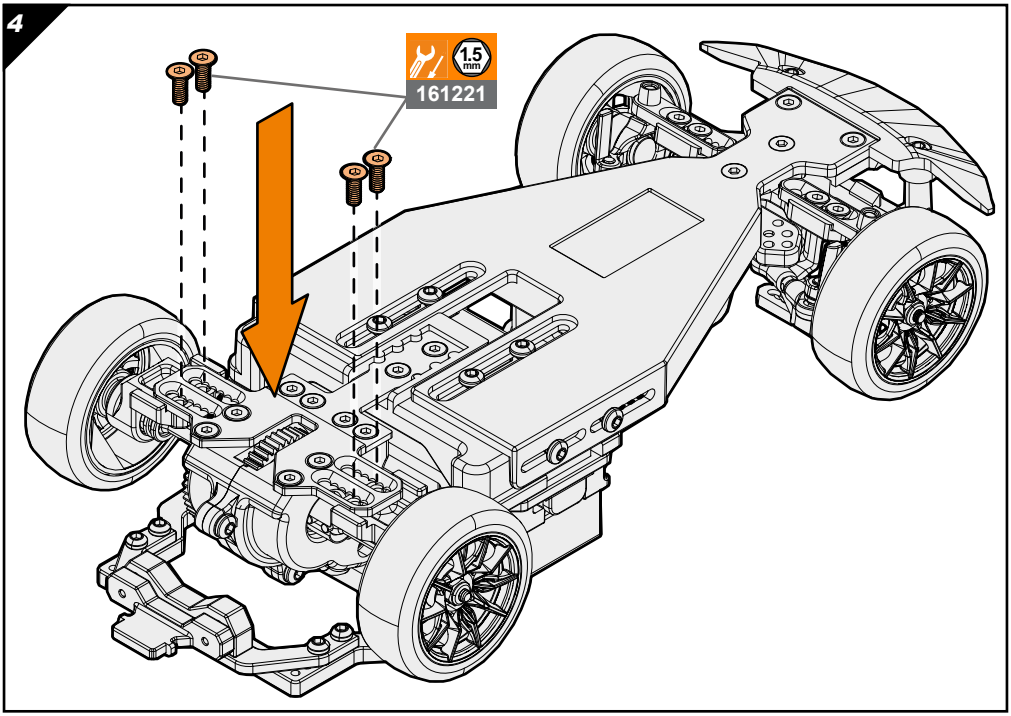


3

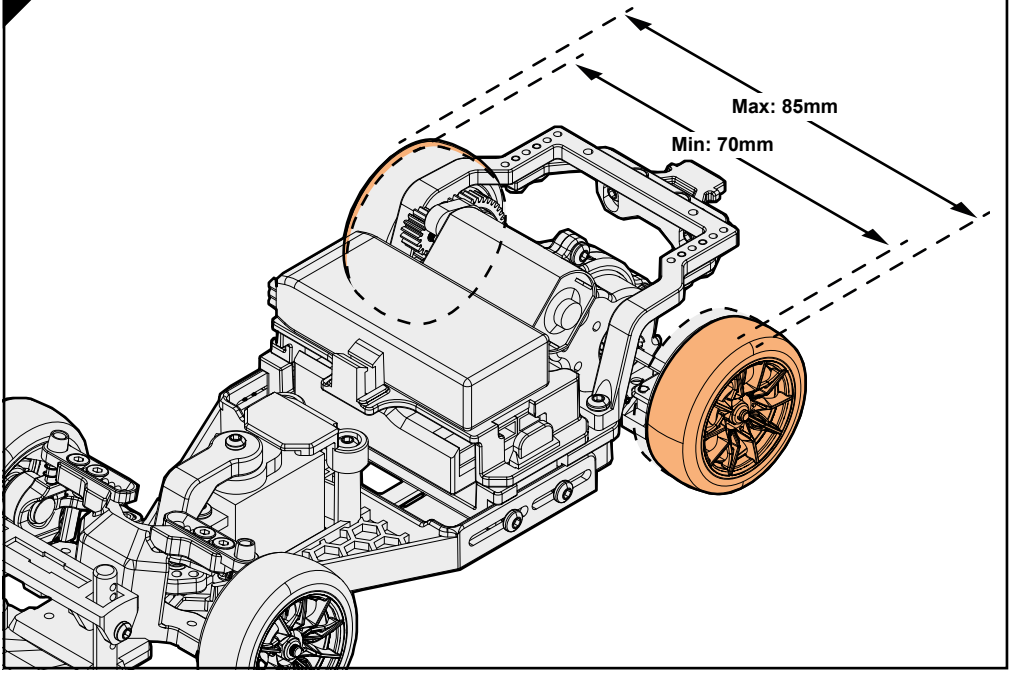
Set the wheels to desired position from Step 1



4

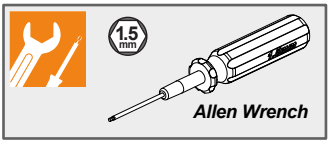


5

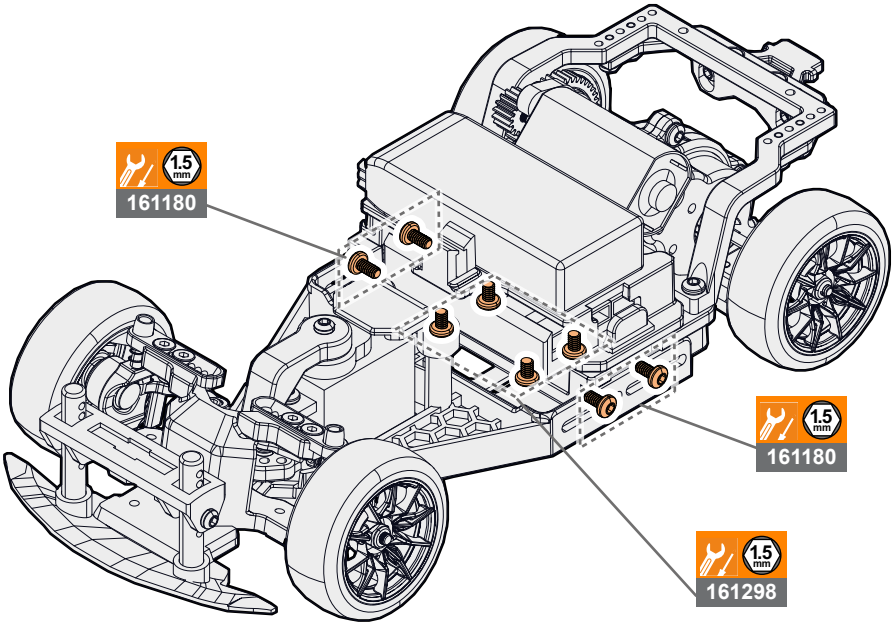


3-2 *Wheelbase Adjustment*

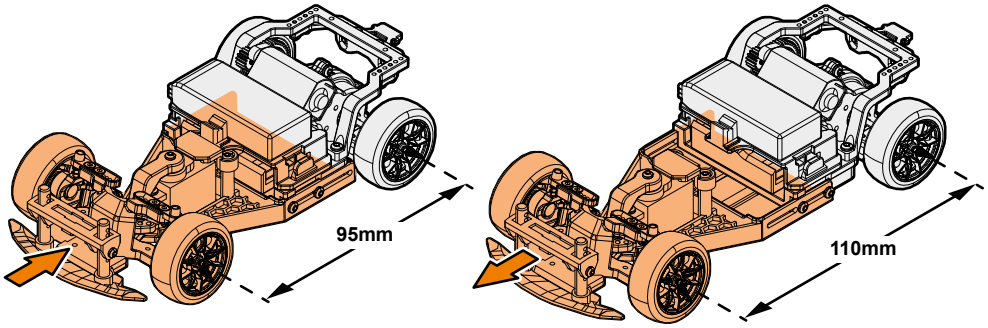
The wheelbase length can be adjusted to suit different bodies.



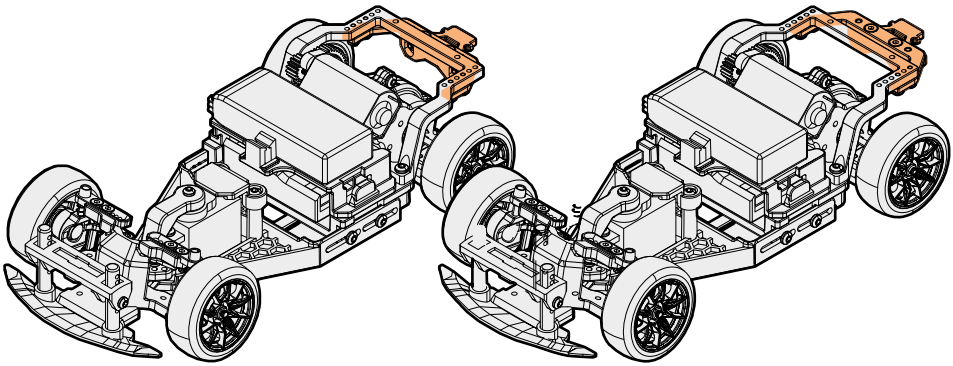
1 *Loosen off all the screws shown so that front of chassis can be pulled forward*

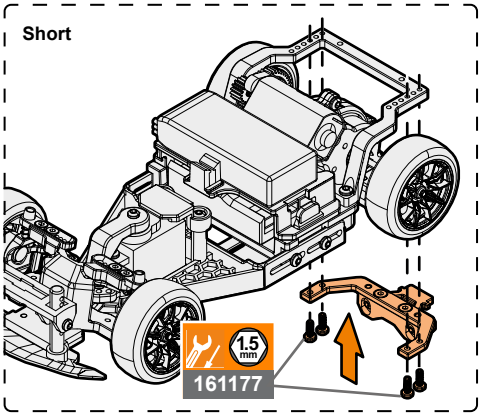


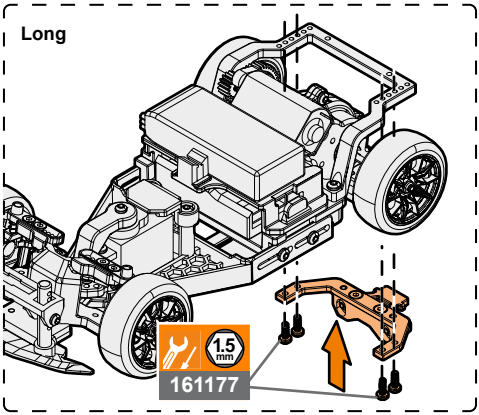
2 *Set Wheel base length and re-tighten all screws*



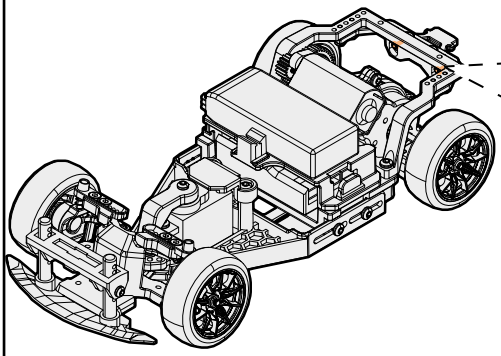
3 *Choose Rear Clip position to suit body by removing the screws, adjusting, then re-tightening screws.*

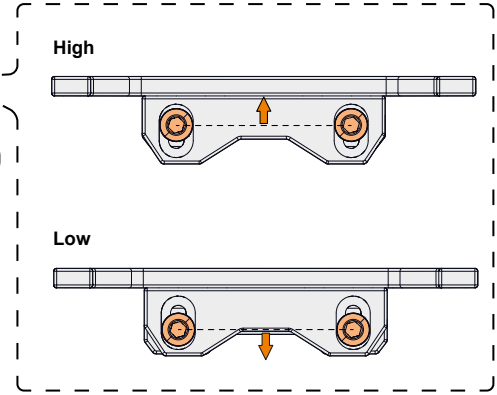






4 *Choose Rear Clip height to suit body by loosening off the screws, adjusting, then re-tightening screws.*







HPI RACING A/S

www.hpiracing.com
HPI Racing A/S
Jegindøvej 21
DK - 8800 Viborg
Denmark
Email: info@hpiracing.com

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