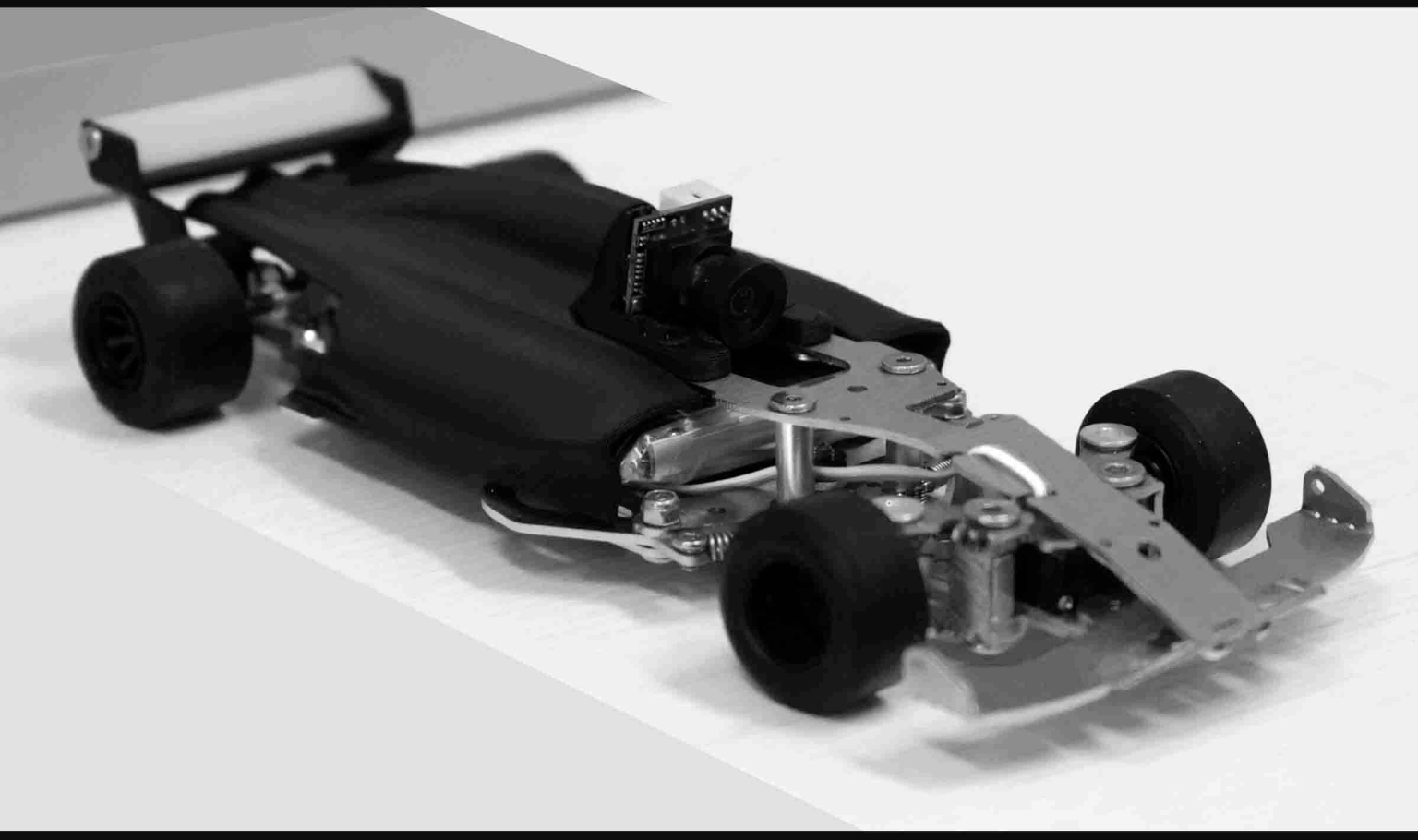
MicroTurismo 1®

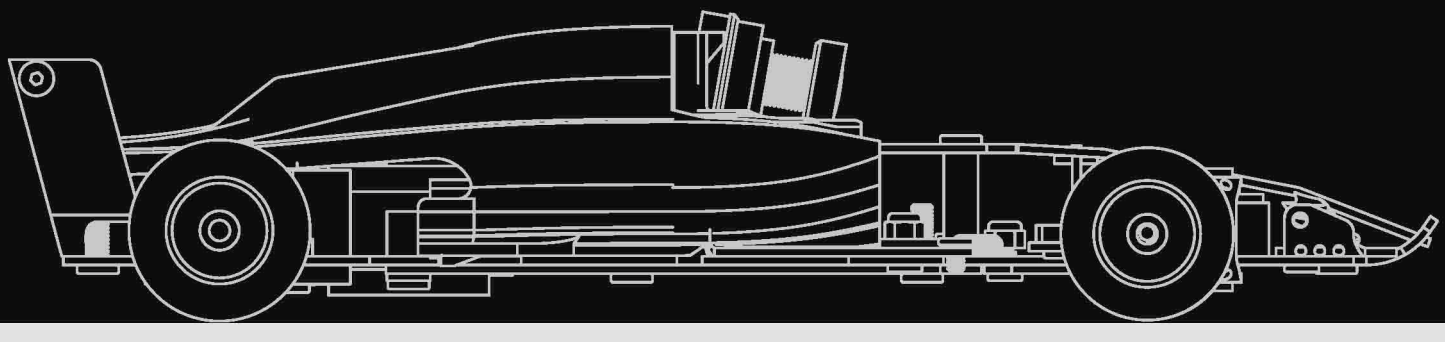


BASIC USER MANUAL

First start

Safety

Table



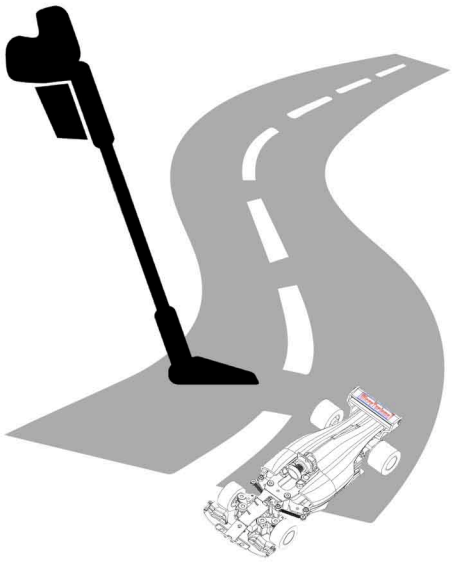
MicroTurismo ®
by Home Grand Prix

Important

Microturismo is highly sensisitive to dust and hairs.

Always vacum clean your track before running your MicroTurismo!

Microturismo can race for hours if the floor is clean enough. Every abnormal change of drivability is most of the time dust related. Refer to the cleaning chapter.



Battery precautions

Always unplug the battery after using the car.

Before running the car fully charge the batteries. The battery charger light is off when the battery is charged.

Avoid charging the battery within the car.

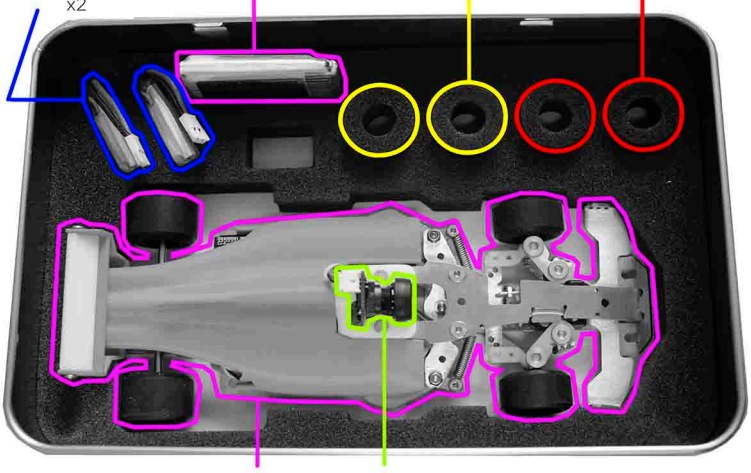
Good practice to extend your battery life:

To store your battery for a long period try to keep the battery charged at 60% (Charge 25min the large battery and 15min small battery)

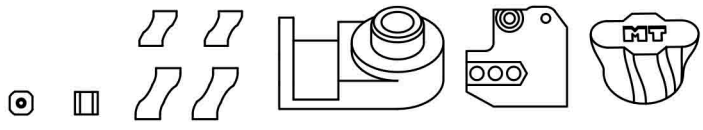
If you use your car regulary, you can safely fully charge them.

Never throw the battery in the bin, use an appropriate battery trash for Lithium polymer/ Lithium ion

What's in the Microturismo kit



Antenna | USB video receiver | USB-B to USB-B | USB-B to USB-C | Battery charger | USB Charger plug



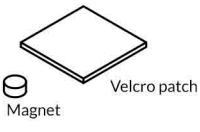
Velcro tip **PS1001**

Shell lift **PS0801** **PS0901**

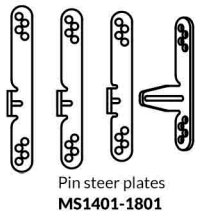
Video receiver bracket **PS1301**

VTX spacer **PS1201**

MT nut **PS1401**



Velcro patch | Heat shrink tube | Magnet



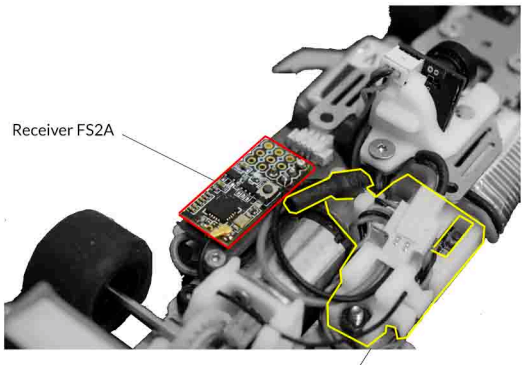
Pin steer plates **MS1401-1801**

Front shell lift carrier **MS1301**

Electronics

Servo motor 1.7g

Motor FF-030



Recommended tools

Scissors

Side cutters

Glue

Twizers

File

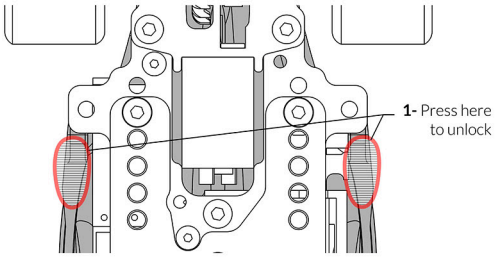
Threadlock
Penetrating oil
Lubricant

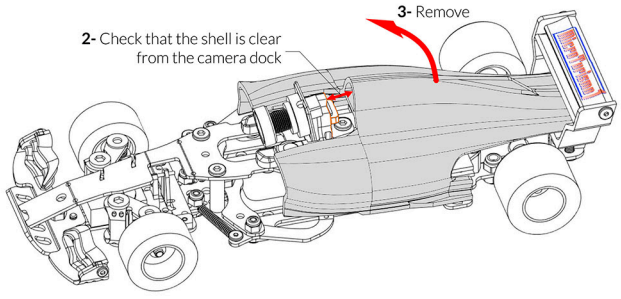
Remove the formula engine cover

1- Press with your thumbs on the bodywork towards the rear wheels

2- Check that the bodywork (shell) is cdetached from the camera dock

3- Remove from the top



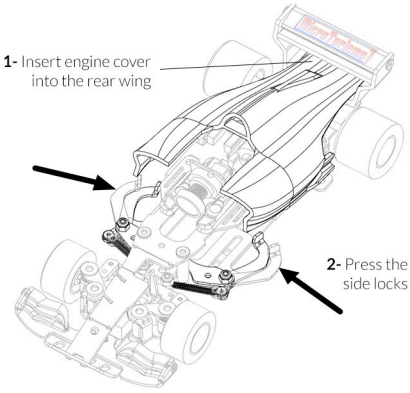


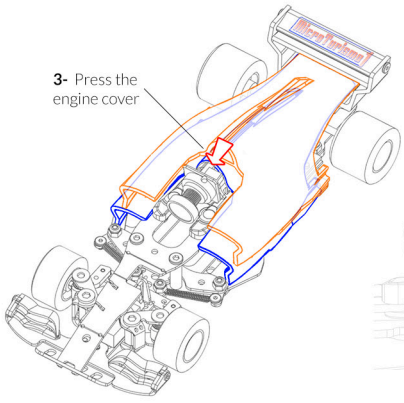
Attach the formula engine cover

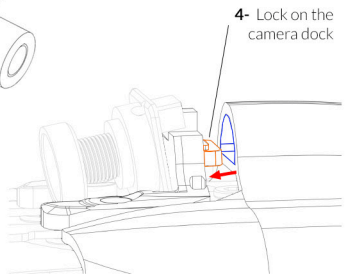
1- Insert the engine cover into the rear wing space

2- With your other hand, press the 2 side locks towards the inside

3- Press the engine cover and lock it under the camera doc







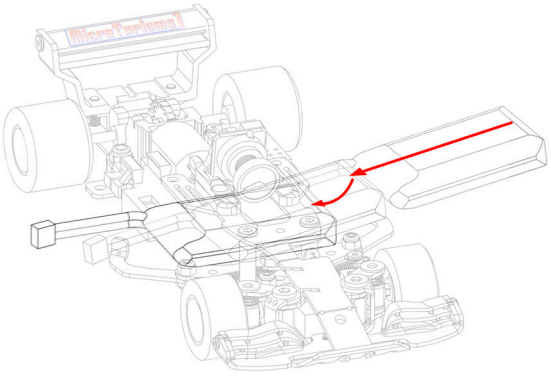
Power the car

The battery should slide in easily without forcing. In any circonstance you should apply excessive force on the battery.

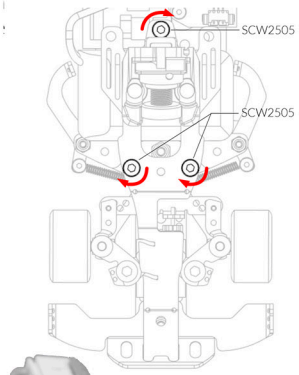
1- Slide the battery with an angle from the left side of the car

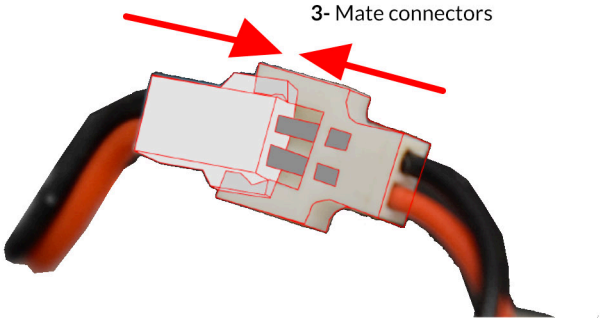
2-If the battery does not slide easily, release the 3x frame plate screws SCR2505

3- Carefully mate in the right orientation the **battery connector** with the **power connector** of the car.

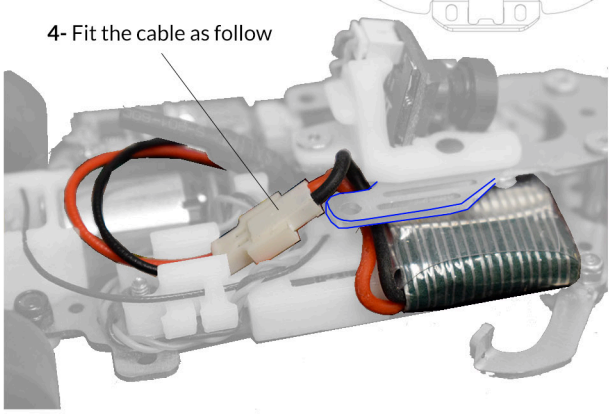


2- Release tension by release the 3x SCW2505





4- Fit the cable as follow



Bind remote with car

On the car:
1-2- Press and hold the bind button while powering-on the car. *Check that the receiver blue light flashes rapidly*

On the remote:
3-4- Press and hold the bind button and power on the remote. *Check that the remote green led flashes rapidely*

The receiver blue light should steady indicating that binding is made

5- Switch off the remote and switch on again to complete the binding

6- Press the throttle to 100% then release to 0%
This initiates the Electronic speed controller (ESC)

Remote driving adjustments

GT2 remote:

Steering center fine adjustment: Calibrate the steering to go straight

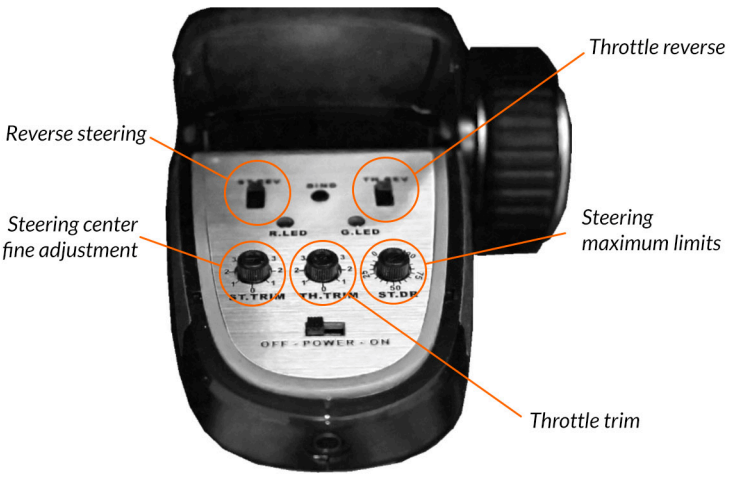
Steering maximum limits: Steer the car to maximum left or right, turn the knob to limit the range of steering and avoid contacts with bodyworks.

Reverse steering: Use this if you use the revere front end geometry

Throttle trim: Adjust the point at which the car starts to go forward

GT5 remote:

The same options are available on the GT5, refer to GT5 user manual



Phone set-up

1- Attach the phone hoder onto the remote and lock it with the MT nut

2- Plug the video receiver holder at the back of the phone holder

3- Slide the video receiver in position

Bind video receiver

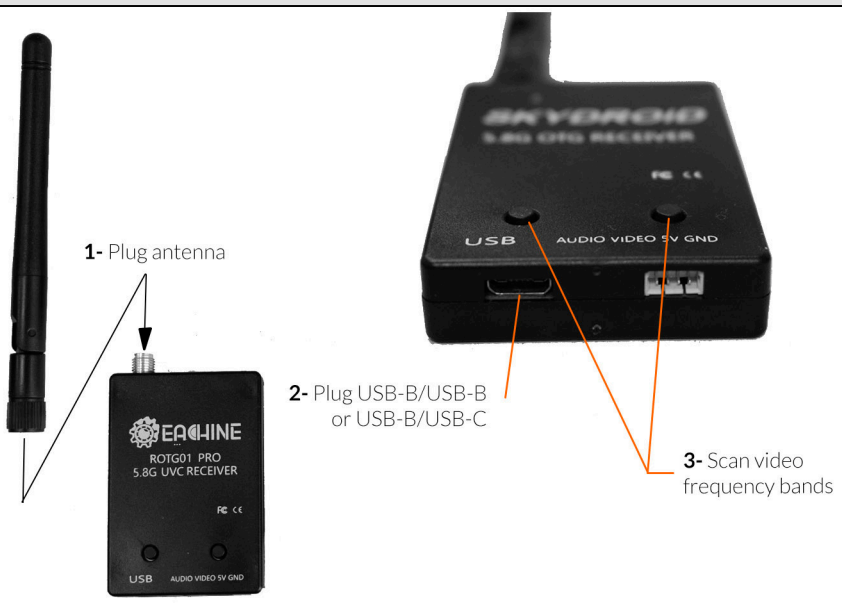
1- Screw in the antenna on the video receiver

2 - Connect USB video receiver on your device
Android - GoFPV
Windows - Camera windows app or VLC
Mac - Quicktime

3 - Power-on the car

4 - Press and hold one of the two receiver buttons
This will scan the all frequencies at which the cars are emitting
The receiver will connect automatically to the strongest signal once it finishes the scan.

If the receiver connects to the wrong signal you can move the frequency manually by clicking on the left or the right button.



Change video frequency bands of your car

You need to set up spaced frequency bands of each car to reduce interference.

For multiplayer race up to 5 cars:

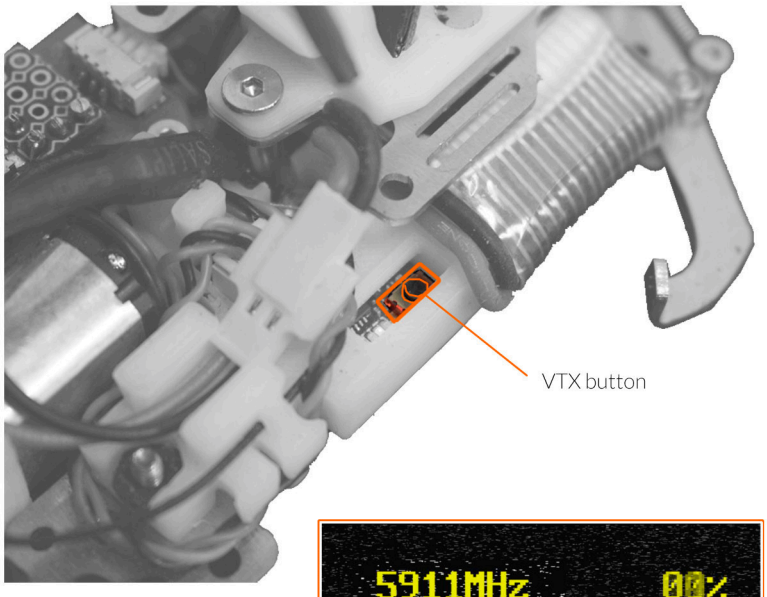
1- Connect the battery to the car to power it on

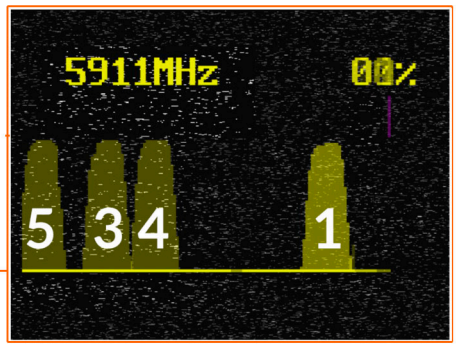
2- Long press on the VTX button and release once you see a solid light for a couple seconds

3- Check that a green led is flashing. This is the standard frequency mode

4- Short press each time you want to move frequency. Example, 4 clicks to get to the 4th frequency band bellow

5- Save your channel by doing 3 consecutive long press
- 1st long press - solid white then red flashs
- 2nd long press - solid white then blue flashs
- 3rd long press - solid white only





Example for 3 cars:
-Car 1: Set up to frequency band 1 (standard when turned on)
-Car 2: Set up to frequency band 3 (3 click)
-Car 3: Set up to frequency band 5 (5 clicks)

VTX modes

Long pressing on the VTX button will open the control modes of the VTX. A mode is entered when a light appears for a few seconds after pressing for a couple seconds. See the mode description below:

- x1 long press, Green light flashing - Standard frequency bands selection mode

- x2 long presses, Red light Flashing - Race frequency bands selection mode

- x3 long presses, Blue light - Emitting power selection mode.

Please note that in most countries the maximum emitting power allowed is 25mW which is the standard power when you turn the car on. The Vtx has 5 modes of power and can go up to 200mW. Please check your country's regulation for 5.8GHz maximum allowed power prior to using it.

Multiplayer race >5 cars

1- Turn-on the car
2- Enter Race frequency mode (2 long presses on VTX)

Red light is flashing to confirm you're in the race bands mode

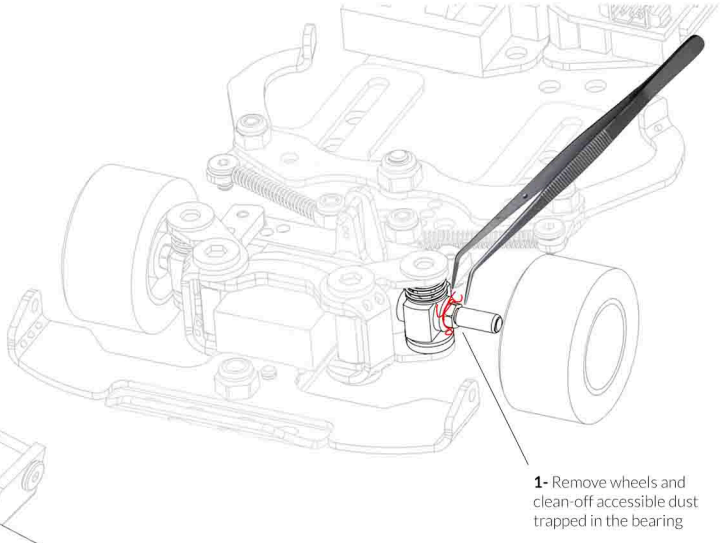
4- Click short presses to offset the frequency towards the right, move by 2 clicks away per car to be safe from interferences

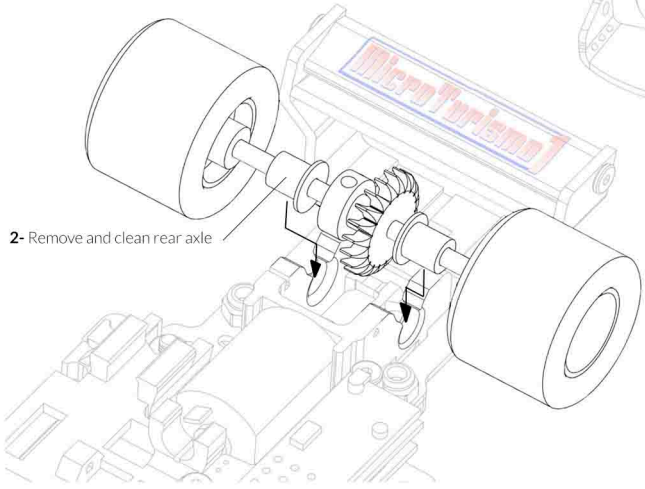
6- Scan with the USB video receiver to check that the frequency bands are sufficiently spaced

Routine cleaning

1- Remove and clean rear axle

2- Remove front wheels and clean hairs and dust traped





It is important to regularly clean out your MicroTurismo for smooth runs. We recommend removing hairs and dust that are trapped in bearings and rotating parts every 10 to 20 min runs. Perform a deep cleaning once your Microturismo is not behaving as expected and that you can't remove dust from the outside.

Deep cleaning front axle

A- Remove and clean front axle

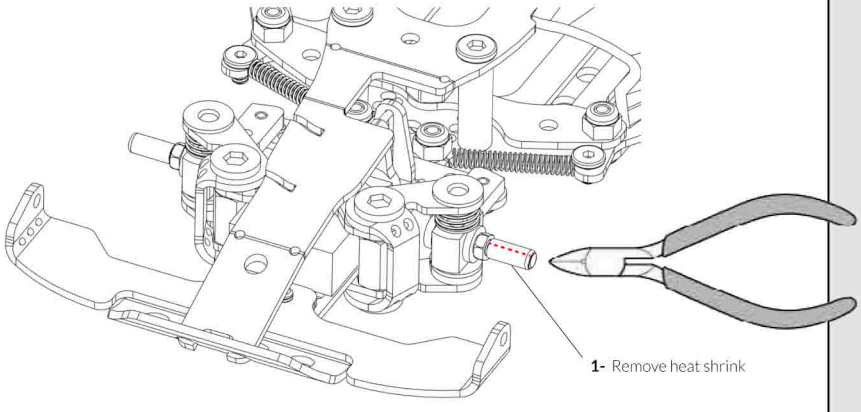
1- Cut and remove the heat shrink tubes with a side cutters

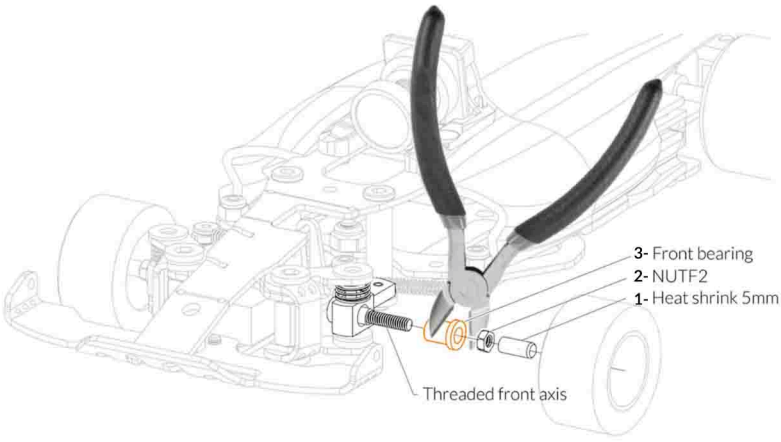
2- Unscrew the nut NUTF2

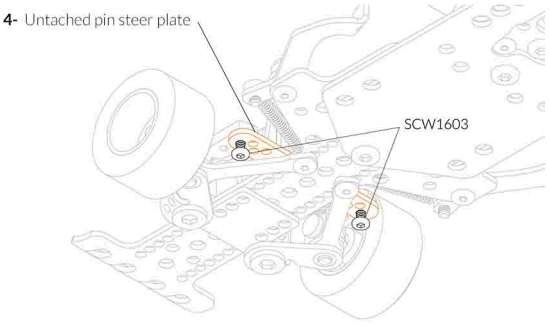
3- Gently remove the front bearing with a side cutters by puling the flange

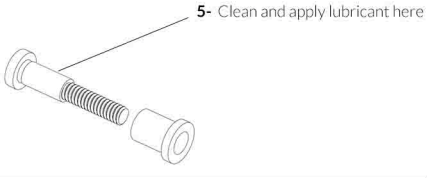
4- Untached pin steer plate (2x SCW1603)

5- Clean front axis and front bearing, apply some lubricant on the wheel axles









Change bearings
With Microturismo you have 2 sets of bearings (with play and with no play). Test the ones that works the best on your home.
To change bearings use the ***A- remove and clean front axle method***

B- Re-mount front axle

1- Apply a tiny dot of glue on the bearing and push it into the wheel hub

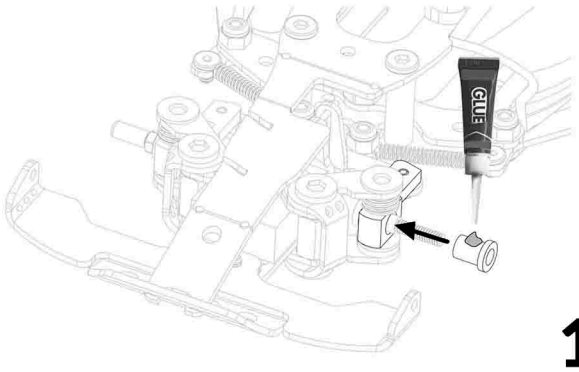
2- Insert front wheel axis from the inside

3- Fit and screw on the wheel axis the NUTF20

4- Mount Pin steer plate with SCW1603

5- Cut a 5mm piece of heat shrink tube and fit it onto the front wheel axis

6- Gently shrink the heat shrink with a lighter, 3 quick passes every 10 seconds on each side. *Perform this in a ventilated place with an adequate face mask*



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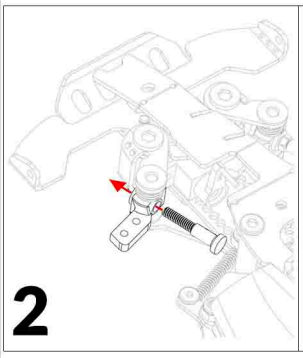

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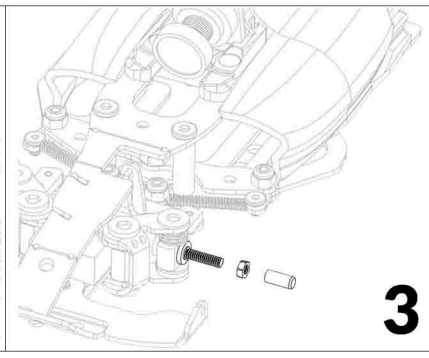

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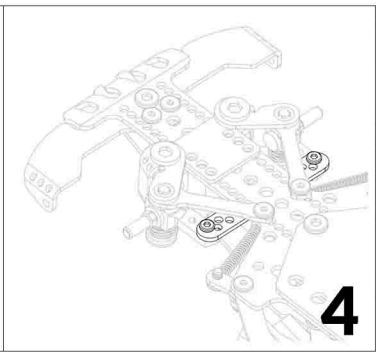

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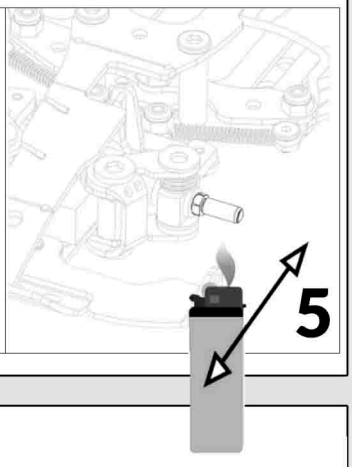


5

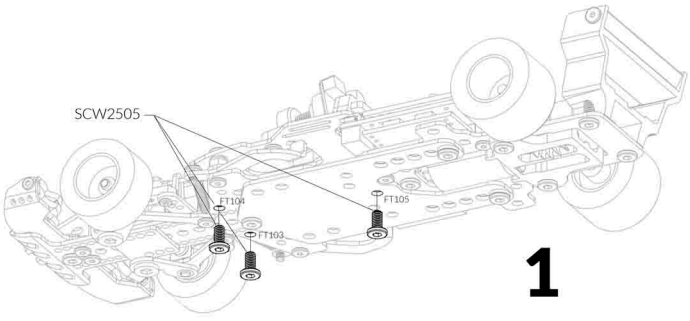
Remove camera and use the magnetic dock

1- Unscrew the x3 SCW2505 (holes FT103, FT104, FT105). Remove the the servo cable from the metal frame.

2- Unscrew the x2 SCW2503 (holes HD103, HD104) and x1 SCW2505 (holes HD107)

3- Place the camera dock on your desired point of view and use the x2 magnets NEODYM402 to lock it in place

4- If required use a tiny piece of bluetack undereath the camera dock to help dissipate vibrations



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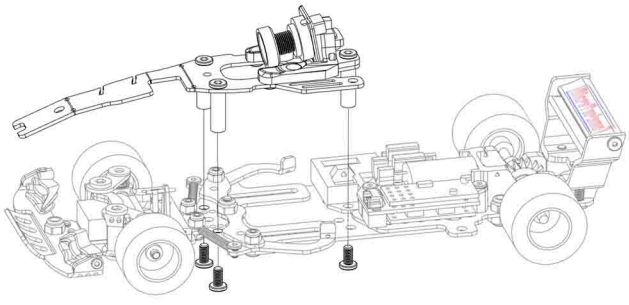

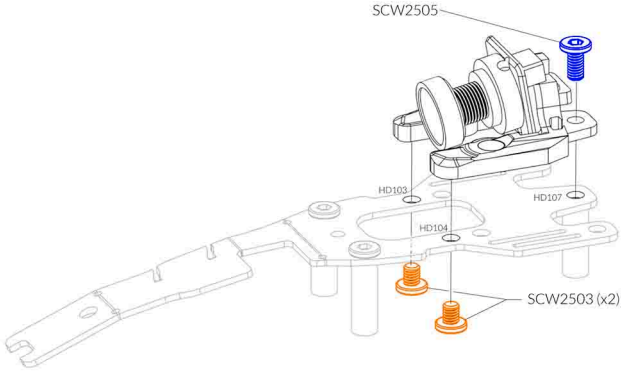

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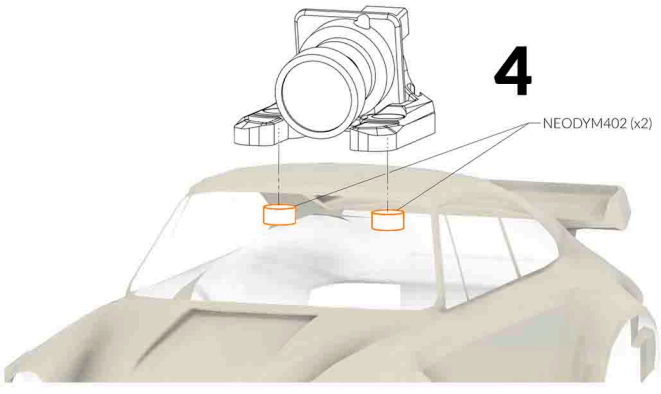


4

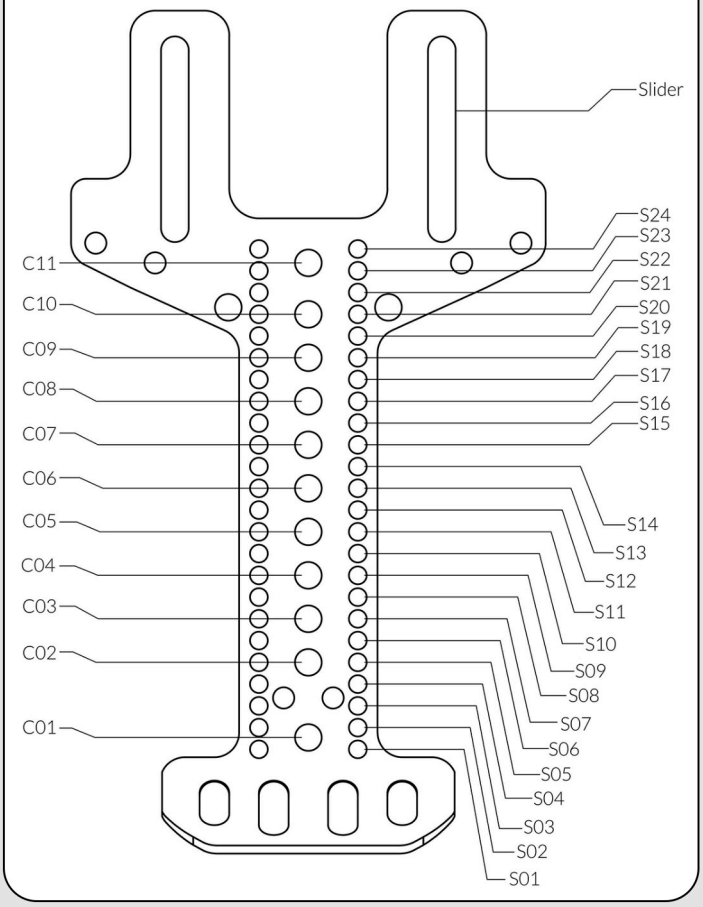
Table

01

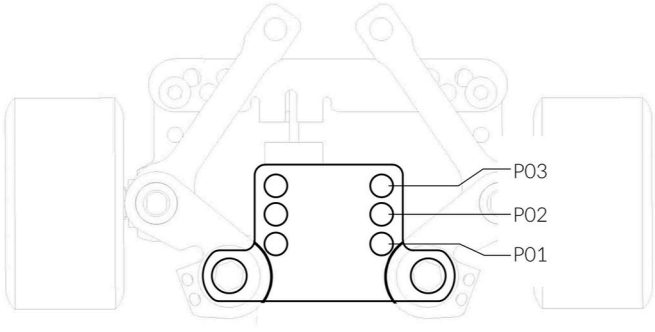
Chassis adjustments holes

Refer to this table for the holes numbering for any ajsutments of chassis length, wheelbase and track

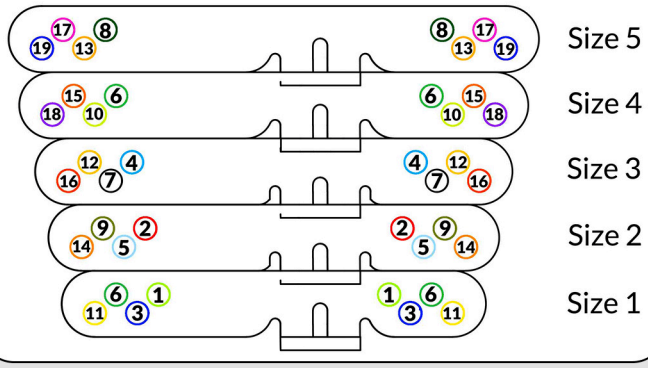
Front-end chassis *S and C holes*



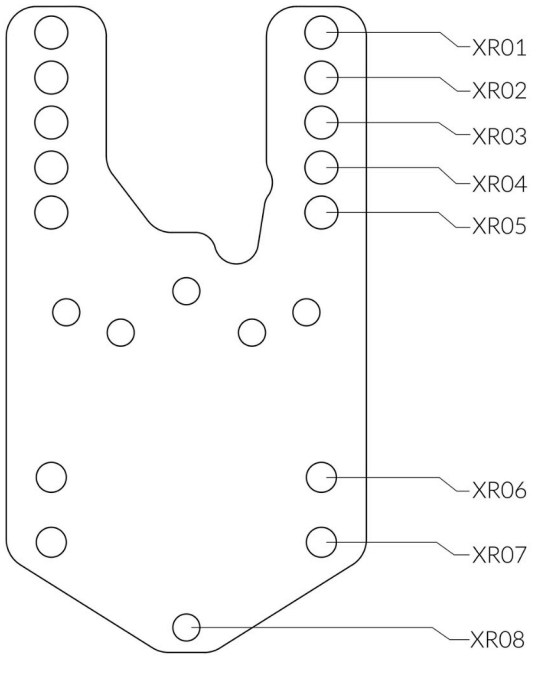
Front steering slider *P holes*



Pin steer plates



Extender central plate *XR holes*



Rear-end chassis *R holes*

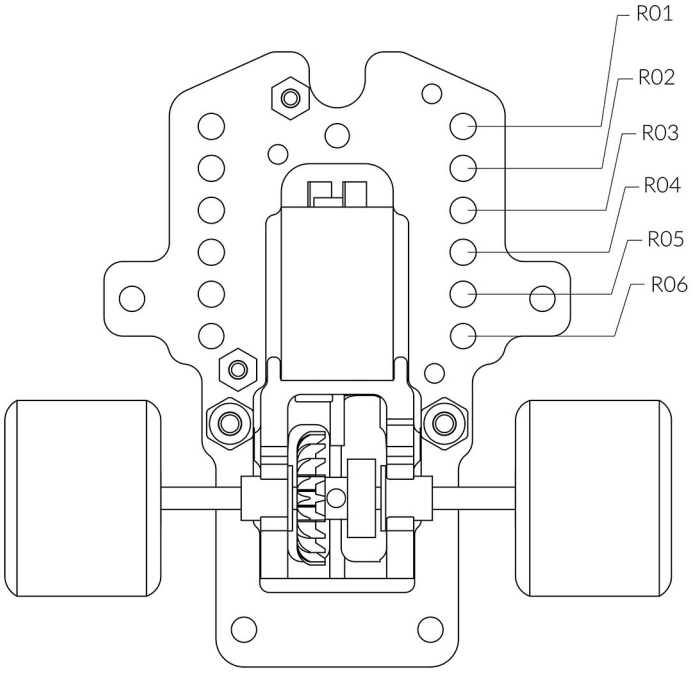


Table
02

Miscelanious

Refer to this table for the naming of screws, nuts and other miscelanious

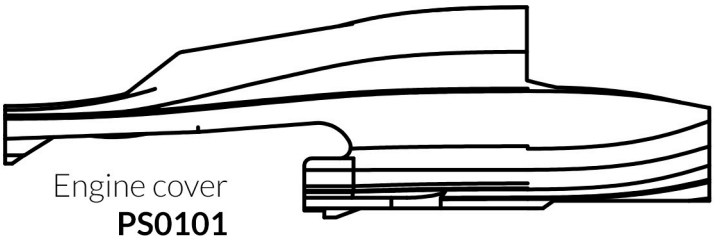
	SCW1603	M1.6x3	x2
	SCW1605	M1.6x5	x2
	SCW2003	M2.0x3	x2
	SCW2004	M2.0x4	x2
	SCW2006	M2.0x6	x2
	SCW2503	M2.5x3	x2
	SCW2505	M2.5x5	x2
	SCW2508	M2.5x8	x2
	SCW3005	M3.0x5	x2
	SCW3006	M3.0x6	x2
	GSCW2512	M2.5x12	x2
	GSCW2516	M2.5x16	x2

	NUTF016	Nut M1.6	x2
	NUTF020	Nut M2	x2
	NUTN020	Nylock M2	x2
	NUTF025	Nut M2.5	x2
	NUTN025	Nylock M2.5	x4
	NUTS703	Spacer M3x7	x2
	NUTS620	Spacer M2x6	x2
	THS1225	Spacer M2.5x12	x3

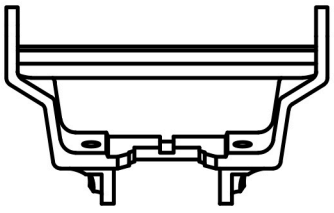
Table
03

Miscelanious

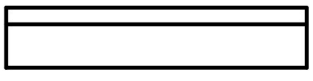
Refer to this table for the naming of every plastic parts



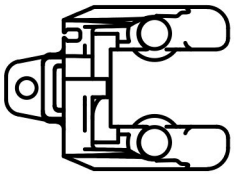
Engine cover
PS0101



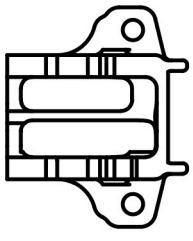
Rear wing
PS0201



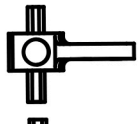
DRS
PS0301



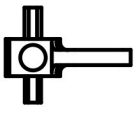
Camera dock
PS0401



Motor support
PS0501



Right steering hub
PS0601

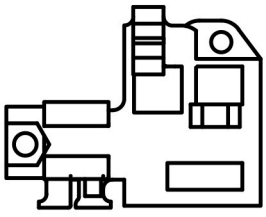


Left steering hub
PS0701

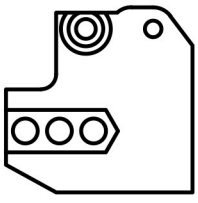
Shell lift 8.5mm (x2)
PS0801

Shell lift 12.5mm (x2)
PS0901

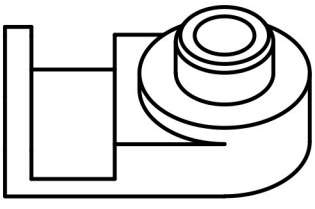
Velcro tip (x4)
PS1001



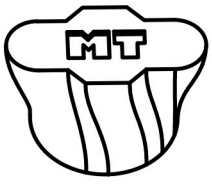
VTX box
PS1101



VTX spacer
PS1201



Video receiver bracket
PS1301

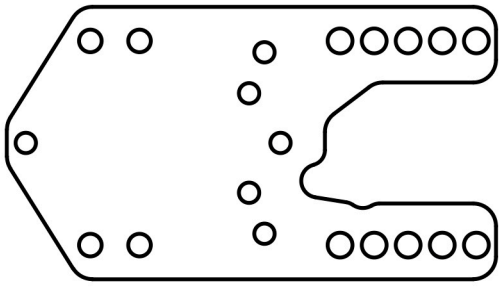


MT remote nut
PS1401

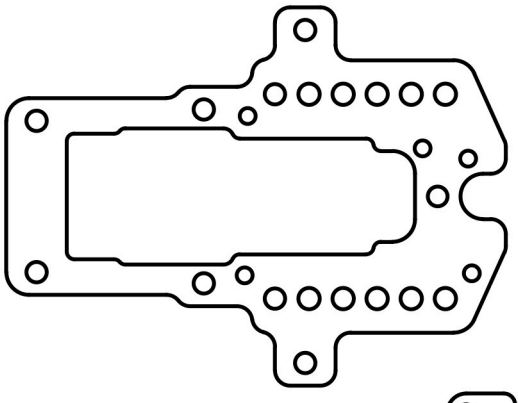
Table
04

Metal parts

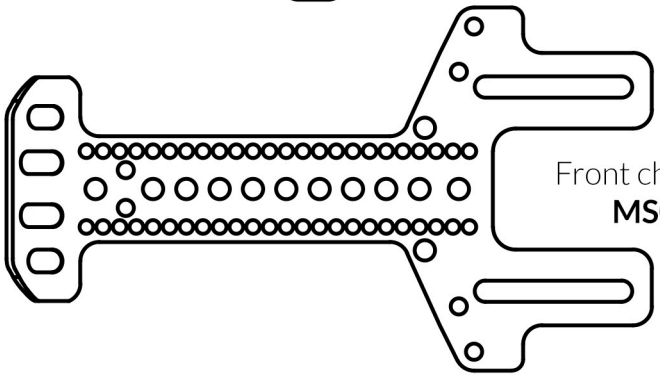
Refer to this table for the naming of all the XP1 metal parts



Extender plate
MS0101

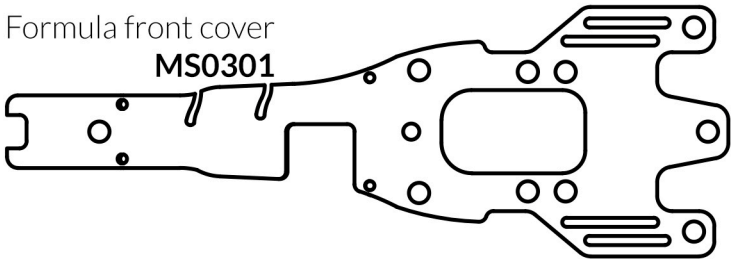


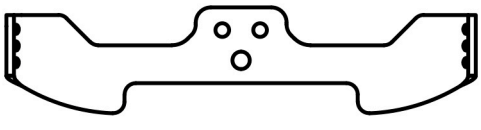
Rear chassis
MS0201



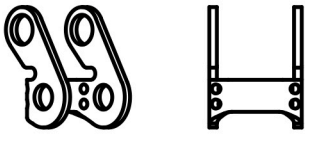
Front chassis
MS0301

Formula front cover
MS0301

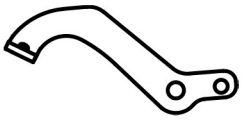




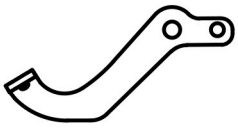
Front wing
MS0404



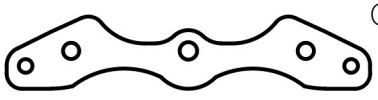
Double wishbone (x2)
MS0501



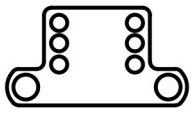
Side lock left
MS0601



Side lock right
MS0701



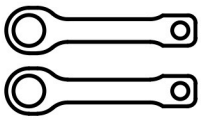
Central plate
MS0801



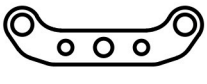
Steering slider
MS0901

Servo bracket lower
MS1001

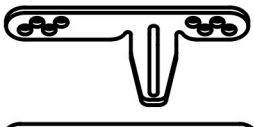
Servo bracket upper
MS1101



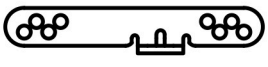
Front ent rod (x2)
MS1201



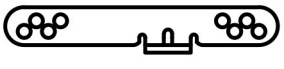
Front shell lift carrier
MS1301



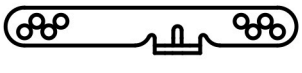
Pin steer plate
Size 1: **MS1401**



Size 2: **MS1501**



Size 3: **MS1601**



Size 4: **MS1701**

Size 5: **MS1801**