

GLF-1

Assembly Guide

www.gl-racing.com

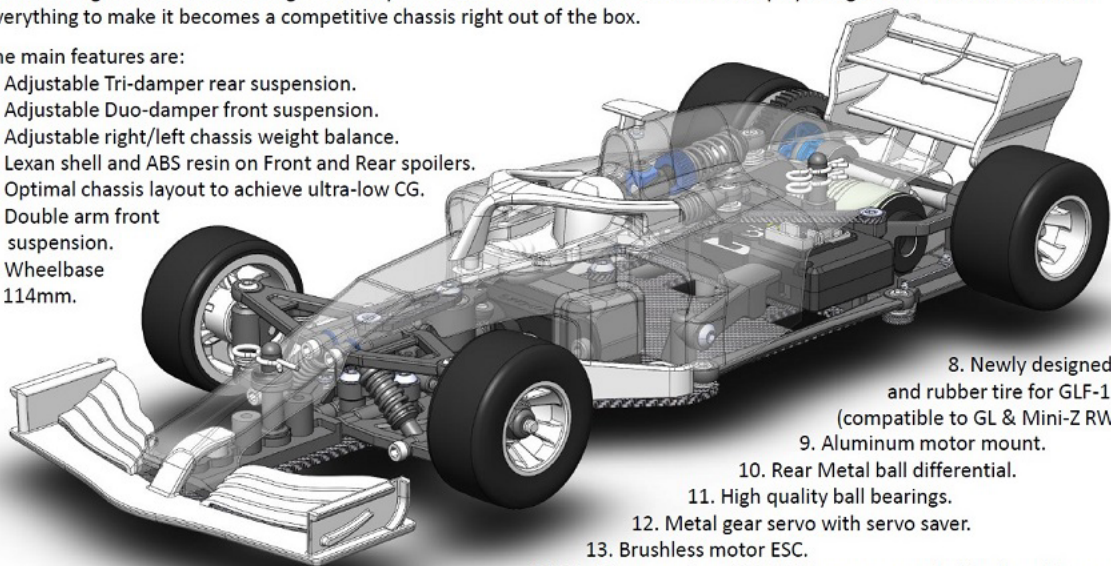
Thanks for your purchase of GL product and support to our Team. We hope that you will enjoy this GLF-1.

Welcome to the next evolution of mini scale racing. GL Racing has launched the new F1 chassis named GLF-1. It has a couple of innovative features which have never been applied to mini RC of this scale.

GLF-1 is a high-ended chassis designed for experienced racers. We recommended it for players aged 14+. We have included everything to make it becomes a competitive chassis right out of the box.

The main features are:

1. Adjustable Tri-damper rear suspension.
2. Adjustable Duo-damper front suspension.
3. Adjustable right/left chassis weight balance.
4. Lexan shell and ABS resin on Front and Rear spoilers.
5. Optimal chassis layout to achieve ultra-low CG.
6. Double arm front suspension.
7. Wheelbase 114mm.



8. Newly designed rims and rubber tire for GLF-1 (compatible to GL & Mini-Z RWD rims).
9. Aluminum motor mount.
10. Rear Metal ball differential.
11. High quality ball bearings.
12. Metal gear servo with servo saver.
13. Brushless motor ESC.
14. GL Micro receiver (GX-031) is recommended (to be sold separately).
15. Li-Po batteries powered (batteries to be sold separately).

A Bag

A Bag - 1



A-1 x2



A-3

Options: GLF-OP-005 Steering Kunckles 1"
GLF-OP-006 Steering Kunckles 2"



A-4



A-2 x2



A-5 x2

Options: GLF-OP-004 Front Screw
Adjustable Shock



A-6 x2

A Bag - 2



A-7



A-8



A-9



A-10

A Bag - 3



A-11



A-12 x2



A-13



A-14



A-15 x2



A-16



A-17



A-18



A-19



A-20

A Bag - 4



A-21
(Fit to B-35 3.5 Ball nut)



A-22



A-23



A-24



A-25 x2



A-26 x2

Options: GLF-OP-003 Side Screw
Adjustable Shock

A Bag - 5



A-27 x2
(Fit to B-32 2.5 ball screw)



A-28 x2
(Fit to B-34 3.0 ball screw)



A-29
(Fit to B-32 2.5 ball screw)

A Bag - 6



A-30



A-31



A-32



A-33 x2



A-34 x2



A-35

A Bag - 7



A-36



A-37



A-38



A-39
(M1.6 x 6 PM)



A-40
(2.5 x 6 x 0.5)

A Bag - 8



A-42 (9T)



A-43 (10T)



A-44 (11T)



A-45 (12T)



A-46 (13T)



A-47 (14T)

A Bag - 9



A-41 x5

B Bag

B Bag - 1



B-1



B-2



B-3



B-4



B-5 x2



B-6 x11



B-7 (53T)



B-8



B-9

3 x 6 x 2.5
Ball Bearing



B-10 x2



B-11

B Bag - 2



B-13 x2
(2 x 4 x 0.5) GL Blue



B-14



B-15



B-16



B-17 x2
(2 x 4 x 0.3)



B-18

Options: GLF-OP-007 Central Long Piston
Rod (Compatible with GLR)



















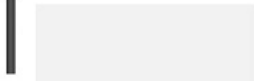
B-19 x2
(Ø1.5 x 16)



B-20
(M2 Lock Nut)



B-21 x2

<p>B Bag - 3</p>  <p>B-22 x2</p>	<p>B Bag - 4</p>  <p>B-23 2 x 5 x 2.3 Flanged Bearing</p>  <p>B-24 x9 3 x 6 x 2.5 Ball Bearing</p>	<p>B Bag - 5</p>  <p>B-25 x2 (0.6xOD4.8x7.5H) Front Damper (Options: GLF-OP-002)</p>  <p>B-26 x2 (0.5xOD4.7x7.5H) Side Damper (Options: GLF-OP-001)</p>  <p>B-27 (0.6xOD6.0x11H) Center Damper (Options: GLR-003-CL)</p>		
<p>B Bag - 6</p>  <p>B-28 x3</p>  <p>B-29 x6</p>		<p>B Bag - 7</p>  <p>B-30 x2</p>	<p>B Bag - 8</p>  <p>B-31 x2 (M2.0 x 14.5)</p>	<p>B Bag - 9</p>  <p>B-32 x4 (2.5 Ball M1.4 x 2)</p>
<p>B Bag - 10</p>  <p>B-33 x4 (3.5 Ball M2.0 x 4)</p>	<p>B Bag - 11</p>  <p>B-34 x6 (3.0 Ball M2.0 x 2.5)</p>	<p>B Bag - 12</p>  <p>B-35 x8 (3.5 Ball Nut M2.0)</p>	<p>B Bag - 13</p>  <p>B-36 x23 (2.3 x 4.4 x 0.5)</p>	
<p>B Bag - 14</p>  <p>1.5 Hex Key</p>  <p>1.3 Hex Key</p>				

C Bag

C Bag - 1



C-1

C Bag - 2



C-2

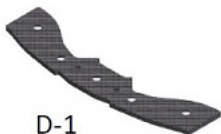
C Bag - 3



C-3

D Bag

D Bag - 1



D-1

D Bag - 2



D-2
D-2 GLF-CB007.JPG

D Bag - 3



D-3



D-4



D-5

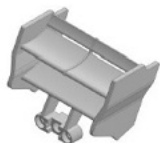


D-6

D Bag - 4



D-7



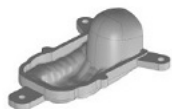
D-8



D-9



D-10



D-11



D-12



D-13

D Bag - 5



D-14 x2


D Bag - 6




D-15 x2


E Bag

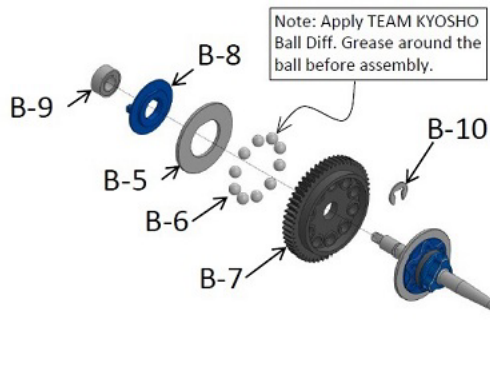
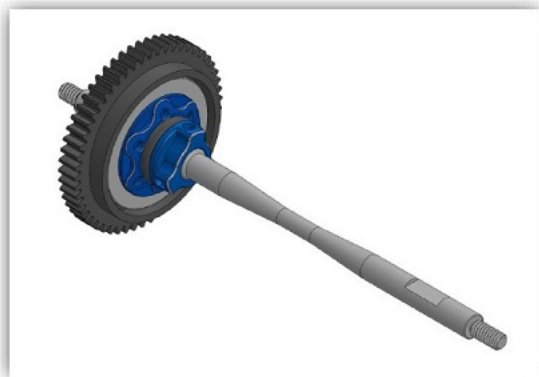
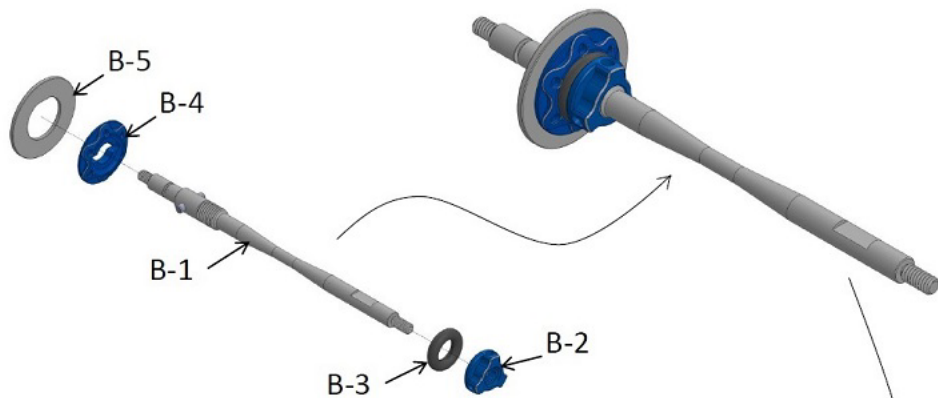
M1.2x4 PB  x9	M1.2x2.5 PM  x2	M1.6x3.5 PM  x2	M2x3 KM  x4	M2x4 KB  x28
M2x4 KM  x8	M2x4 Cup Head  x4	M2x4 TB  x12 <small>M2x4 TB.JPG</small>	M2x4 TM  x2	M2x5 KM  x1
M2x5 TM  x4	M2x6 KB  x8	M2x8 KM  x1	M3x3 Grub  x2	

 B-3
Rubber ring

 B-6 x10
2.381 Ball

 B-7
Spur 53T

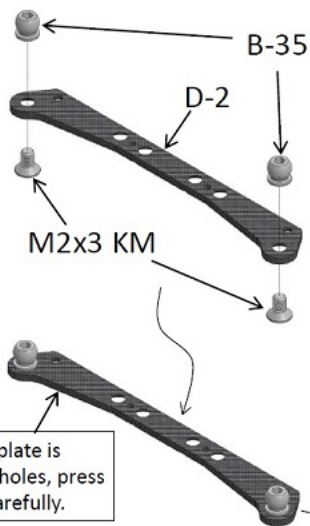
 B-9
Ball Bearing
3x6x2.5



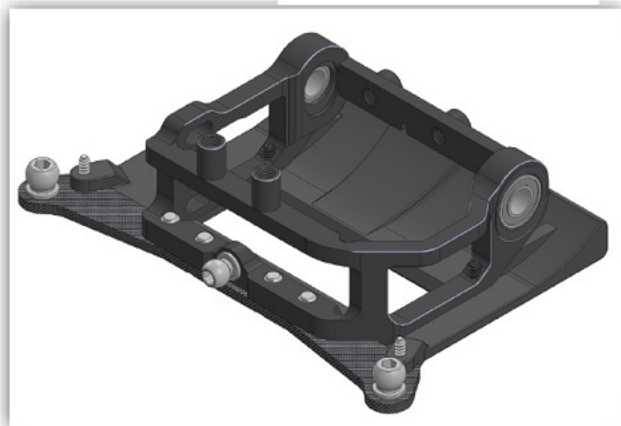
B-24 x2
Ball Bearing
3x6x2.5

B-34
3.0 Ball
M2.0x2.5

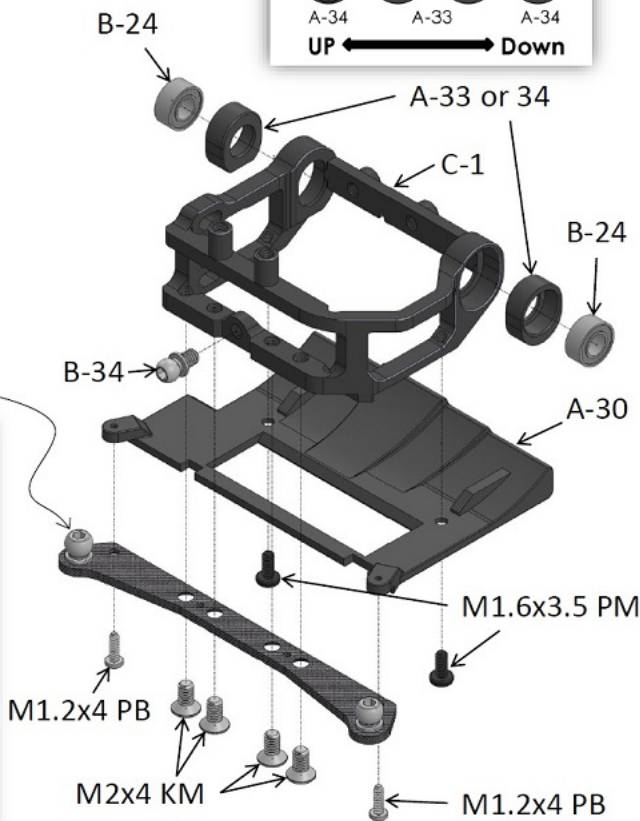
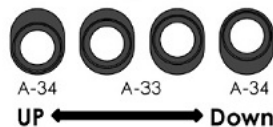
B-35 x2
3.5 Ball Nut M2.0

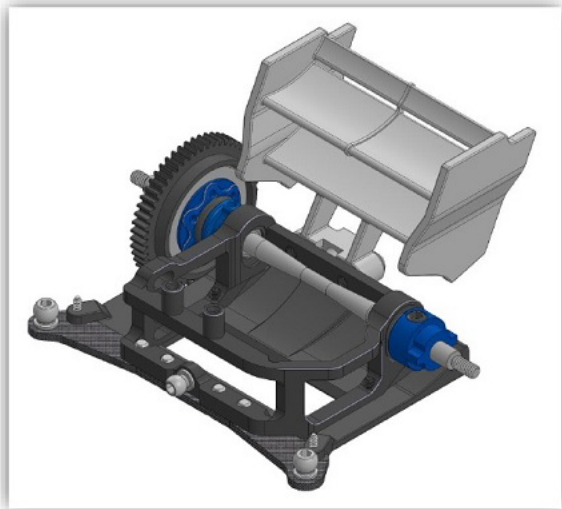
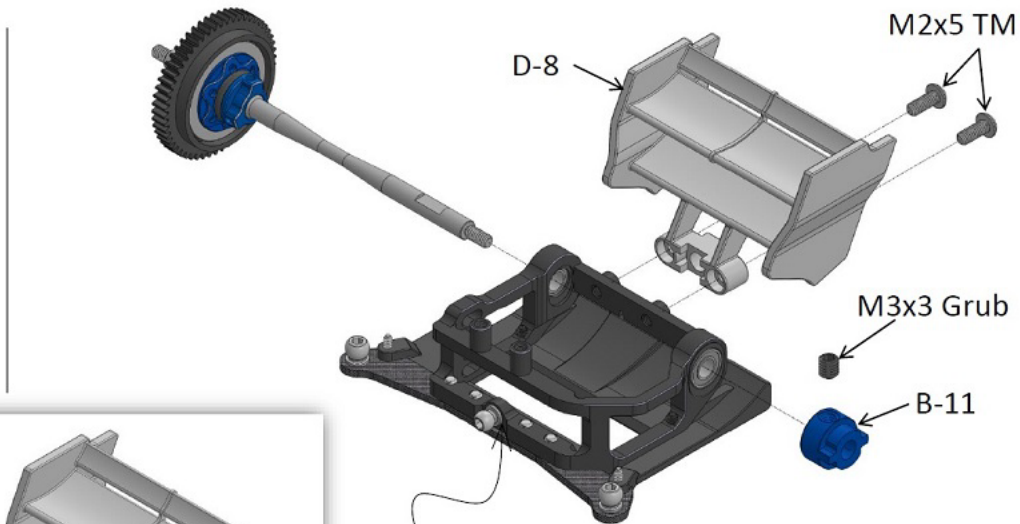


Warning: The Motor plate is delicate with a lot of holes, press onto Motor Mount carefully.





****Rear Ride Height Adjustment****

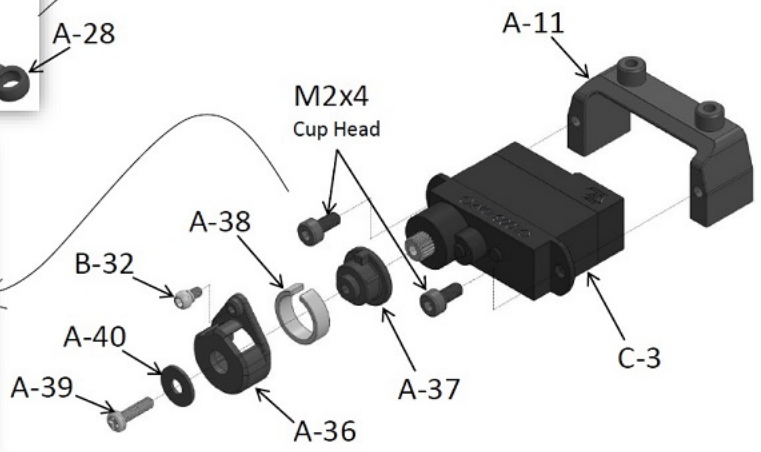
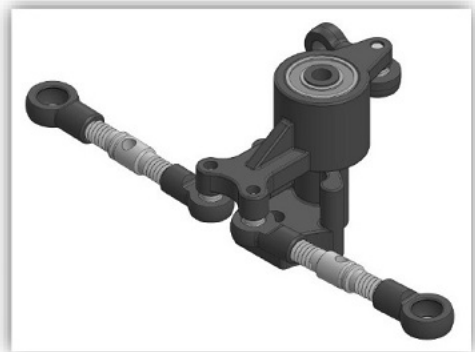
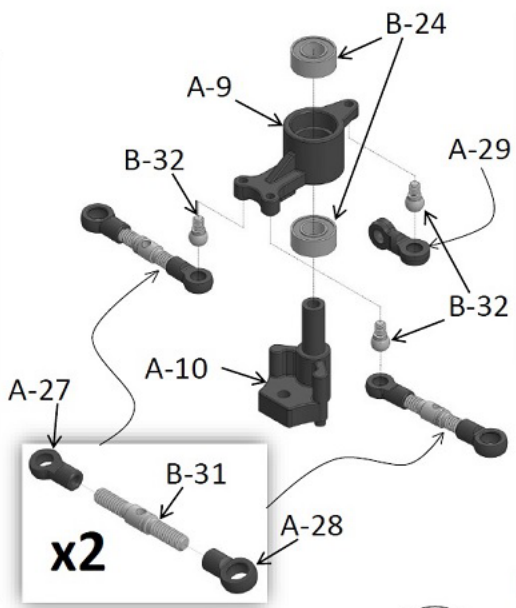




Tips: Put 2x4 spacer in between of B-34 and C-1. Check the link below for more info:

http://gl-racing.com/GLR/v1/guide/#rear_subframe

-  B-24 x2
Ball Bearing
3x6x2.5
-  B-31 x2
M2.0x14.5
-  B-32 x4
2.5 Ball
M1.4x2
-  A-39
M1.6x6 PM
-  A-40
2.5x6x0.5
-  23.6mm
(Steering Rods)



B-17
2x4x0.3

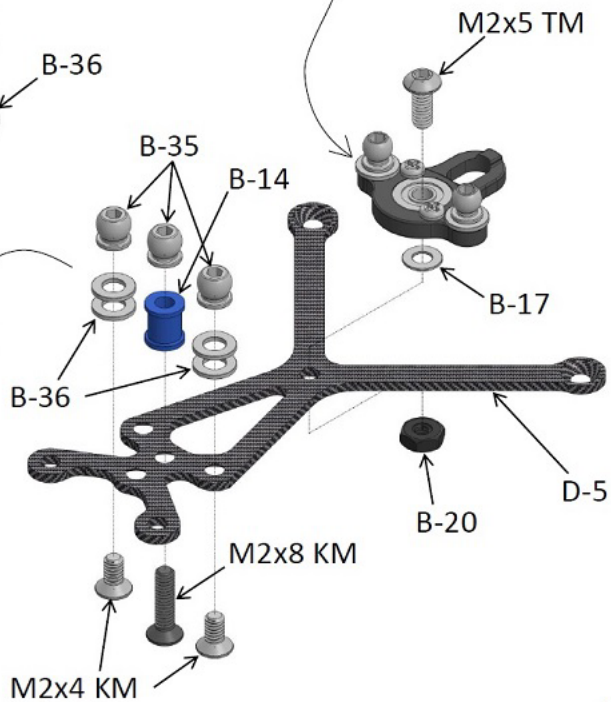
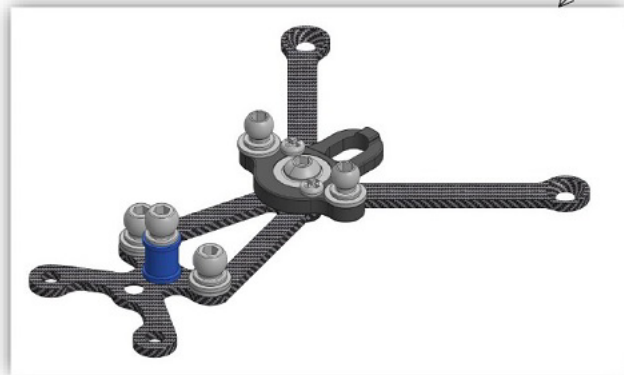
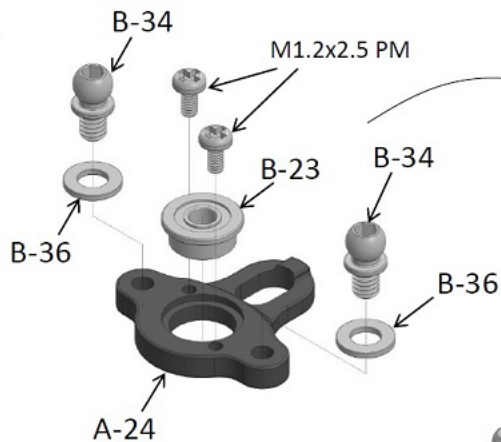
B-20
M2 Lock Nut

B-23
Flanged Bearing
2x5x2.3

B-34 x2
3.0 Ball
M2.0x2.5

B-35 x3
3.5 Ball Nut M2.0

B-36 x6
2.3x4.4x0.5



Down Stop screw
M1.2x4 PB

M2x4 TB

B-19 x2
($\varnothing 1.5 \times 16$)

B-25 x2
0.6xOD4.8x7.5H

A-1

A-7

Down Stop screw
M1.2x4 PB

A-8

B-19

A-1

Note: Apply TEAM KYOSHO
#30000 Diff. Gear Grease
(not included) around the
pin before assembly.

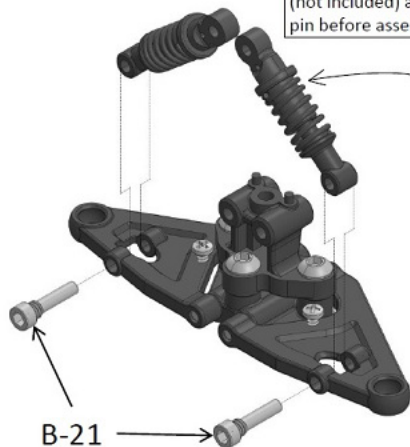
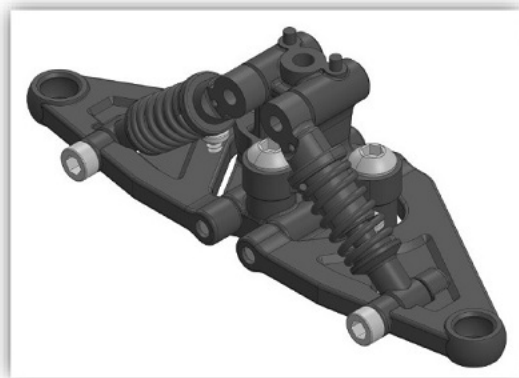
A-6

B-25

A-5

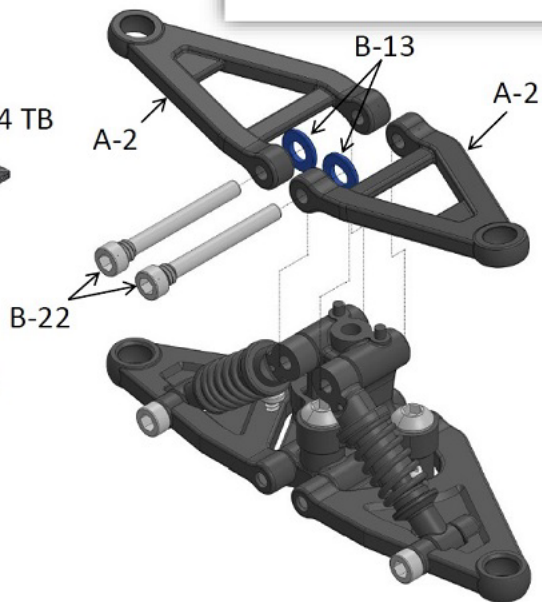
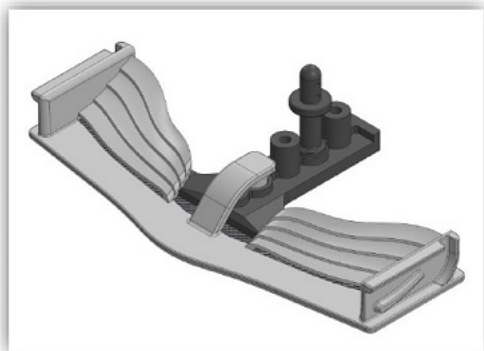
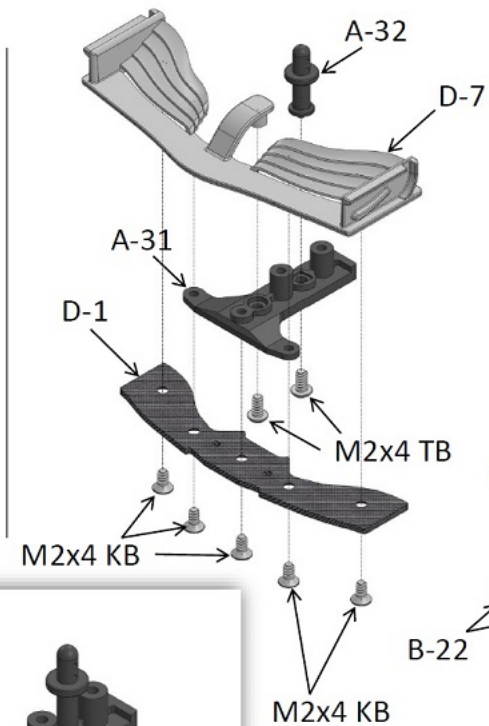
B-21

x2

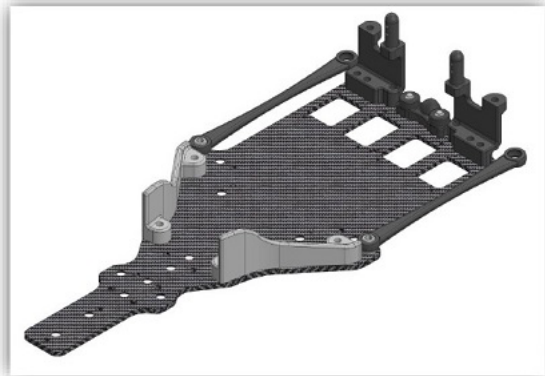
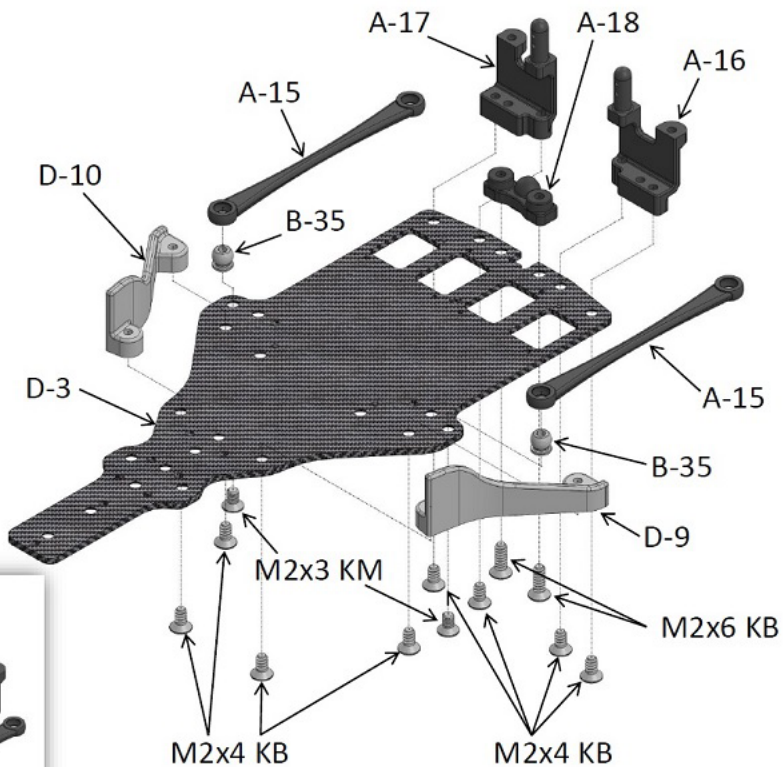


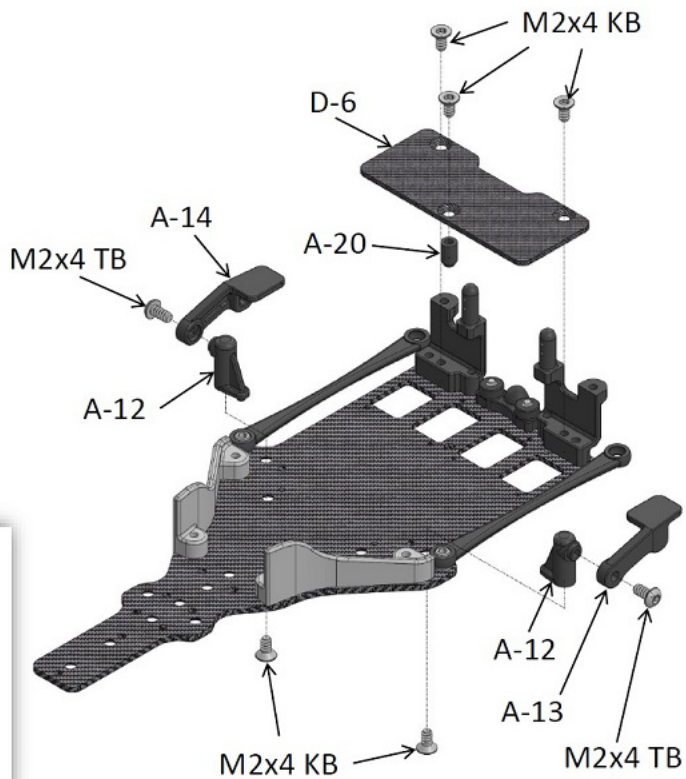
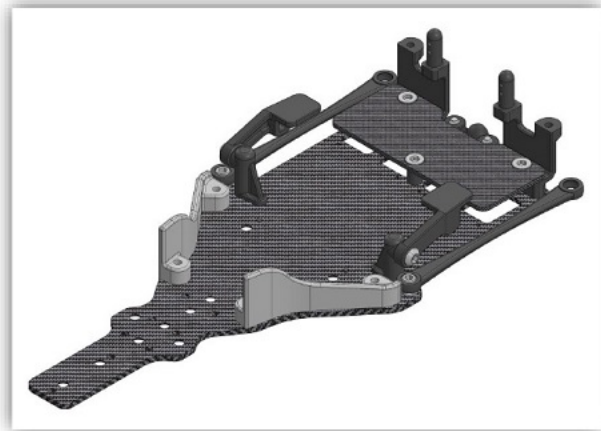


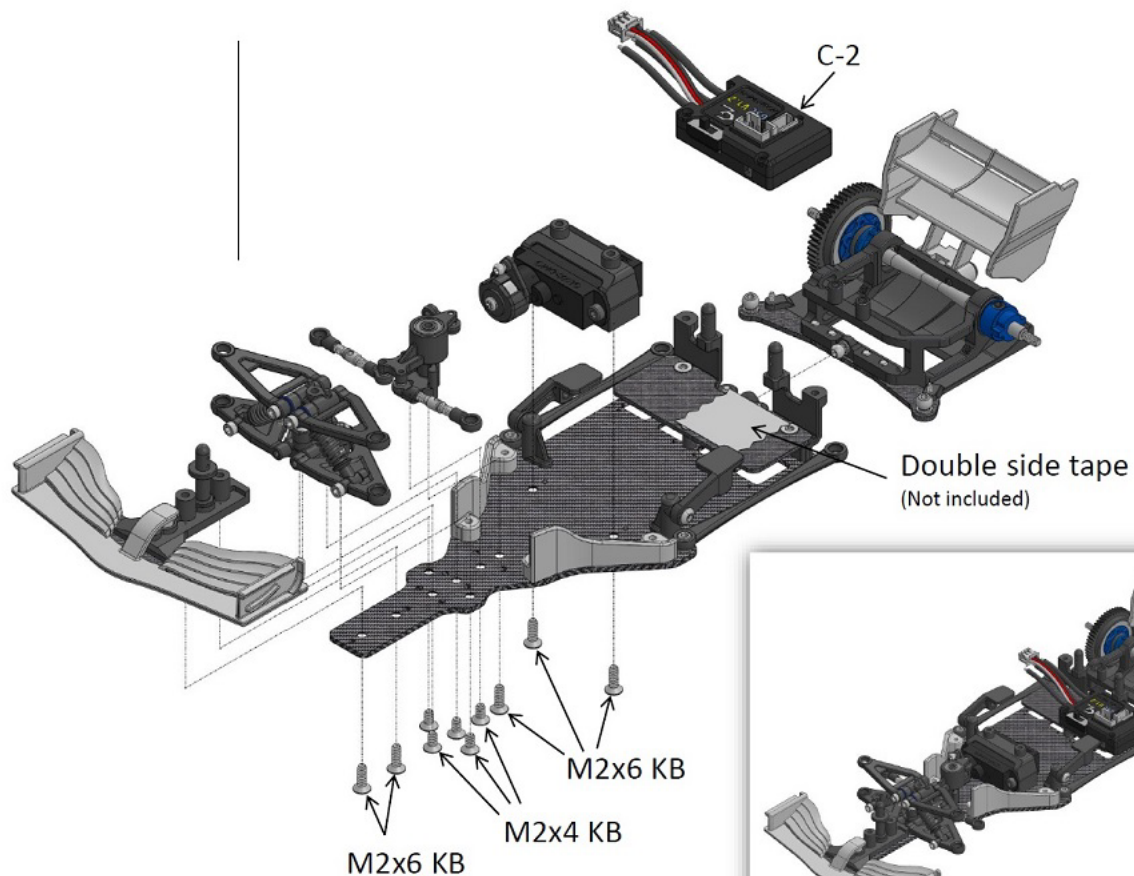
B-13 x2
2x4x0.5 (GL Blue)

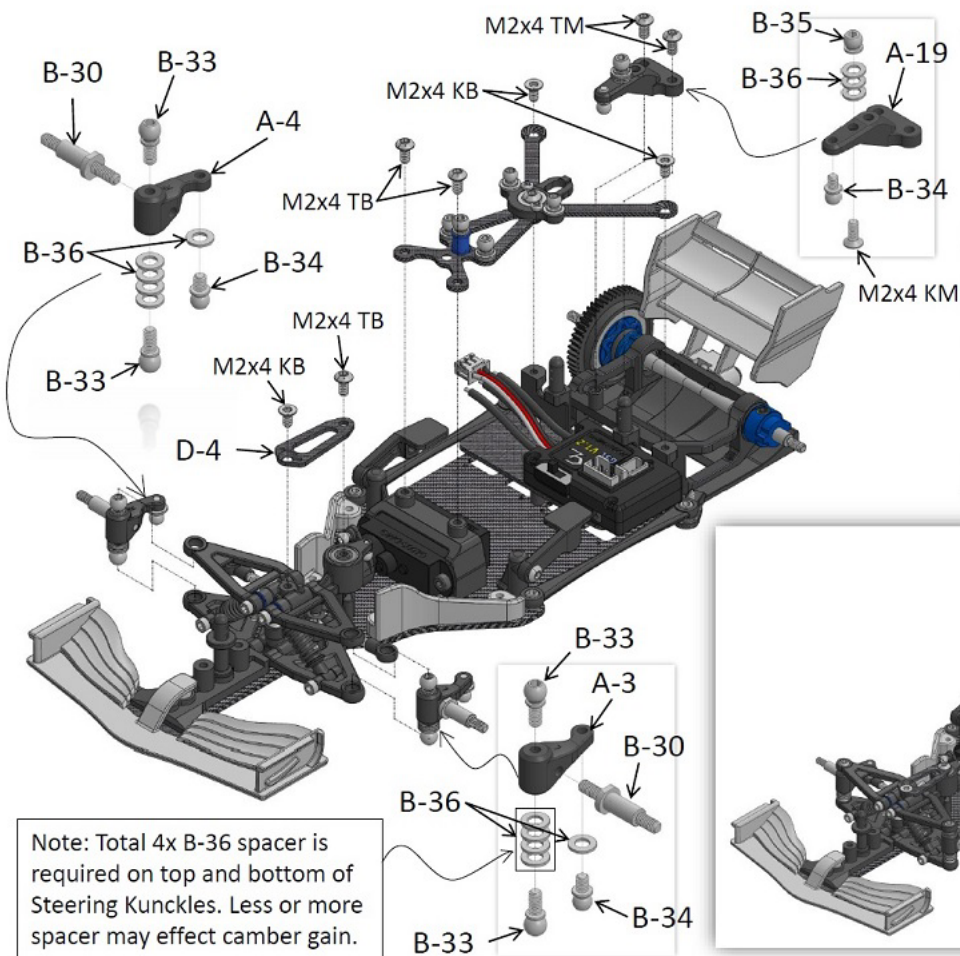


B-35 x2
3.5 Ball Nut M2.0

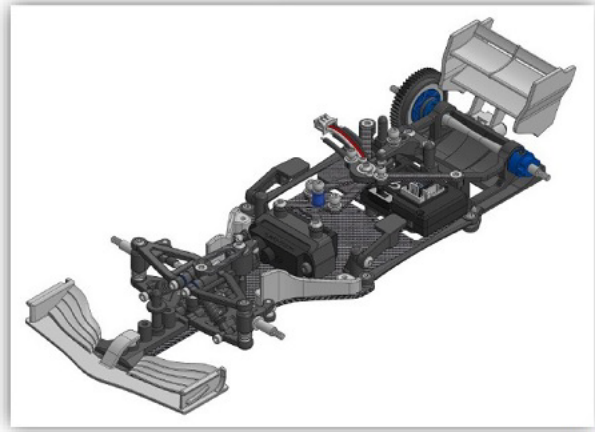
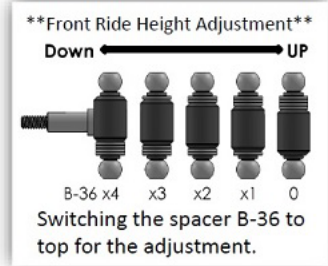


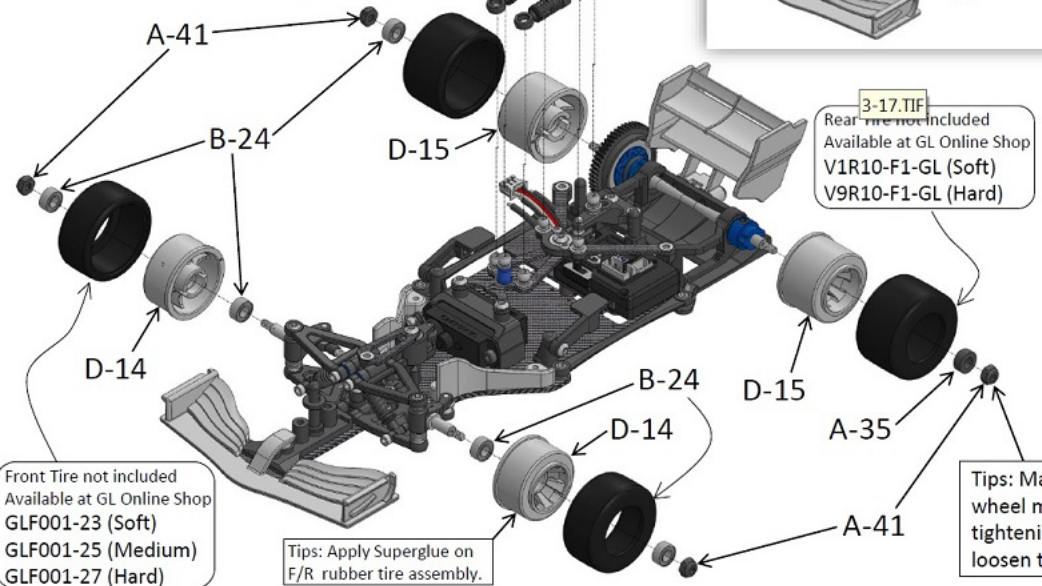
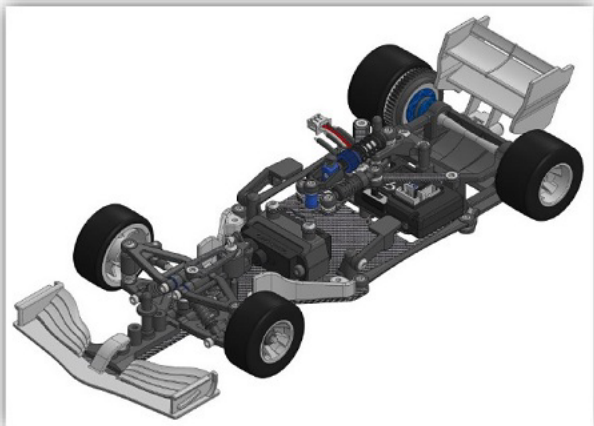
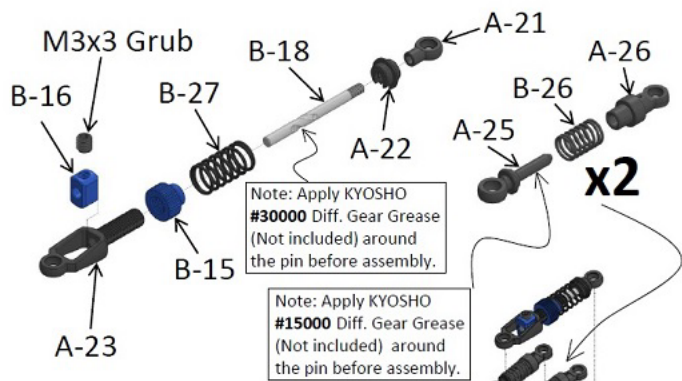









- B-33 x4
3.5 Ball
M2.0 x 4
- B-34 x3
3.0 Ball
M2.0 x 2.5
- B-35
2.5 Ball Nut
B-35 BS-3520.JPG
- B-36 x13
2.3 x 4.4 x 0.5





-  B-24 x5
3 x 6 x 2.5
-  B-26 x2
0.5xOD4.7x7.5H
-  B-27
0.6xOD6.0x11H

A-42
9T

A-43
10T

A-44
11T

A-45
12T

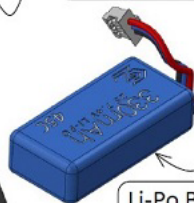
A-46
13T

A-47
14T

Tips: Switching the pinion gear may cause of changing the gear ratio for suitable in various tracks layout.

A-45

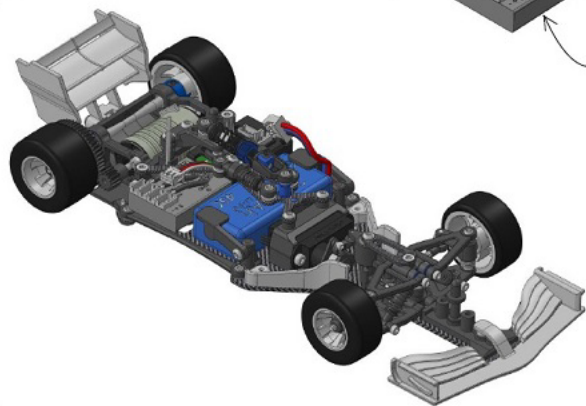
Motor not included
Recommendation
For competition 3500KV or above
For beginner 2500KV
Available at GL Online Shop

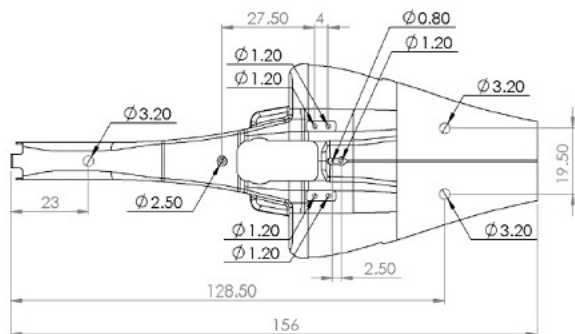
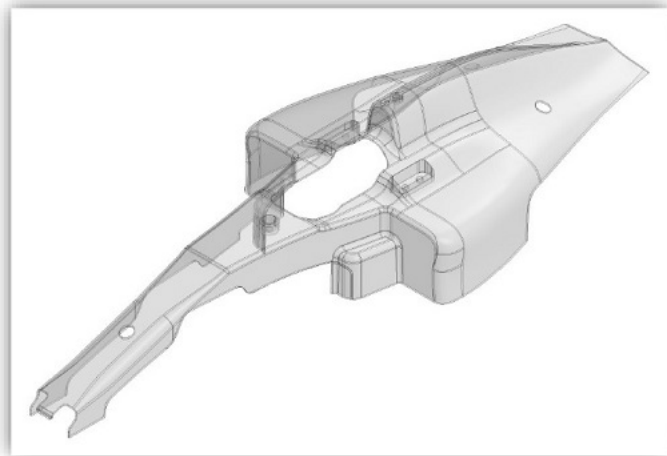
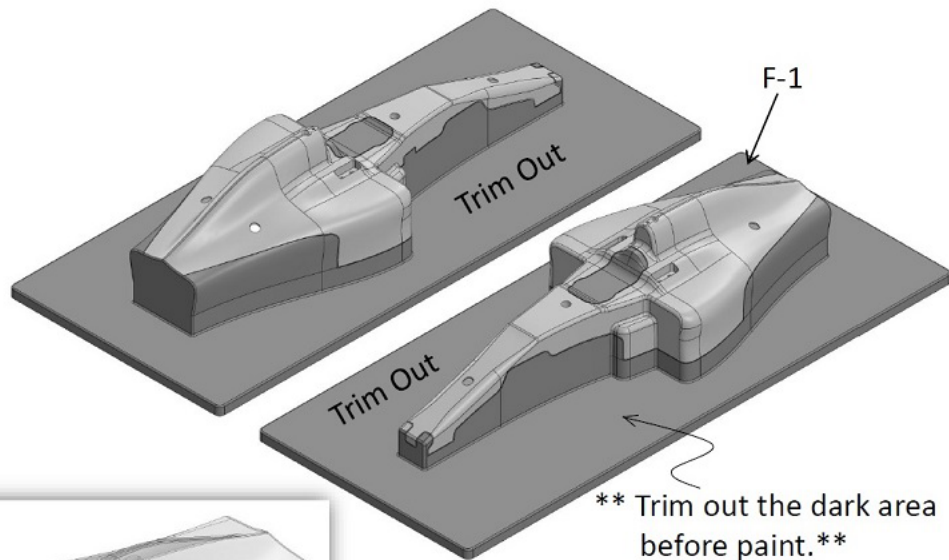


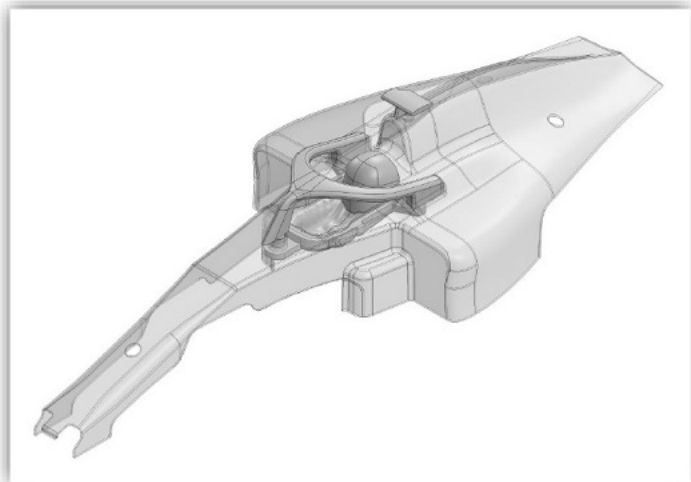
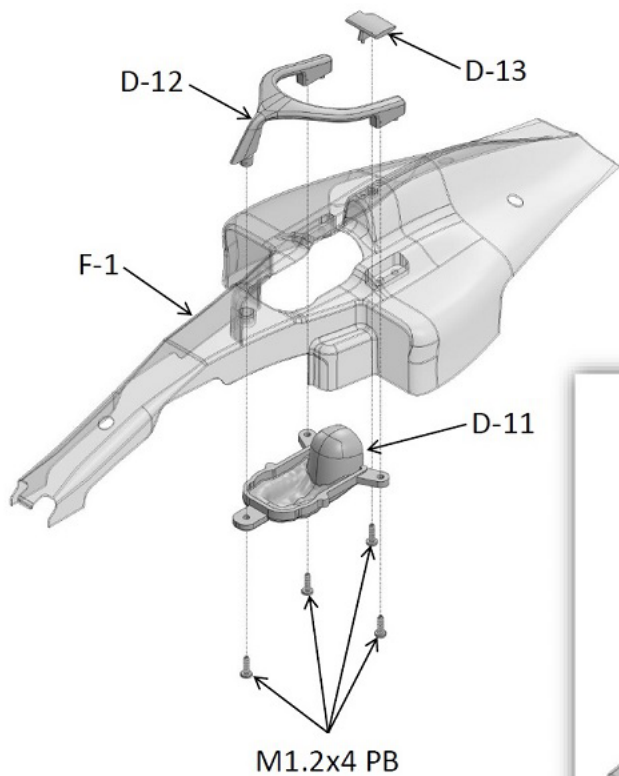
Li-Po Battery not included
Available at GL Online Shop

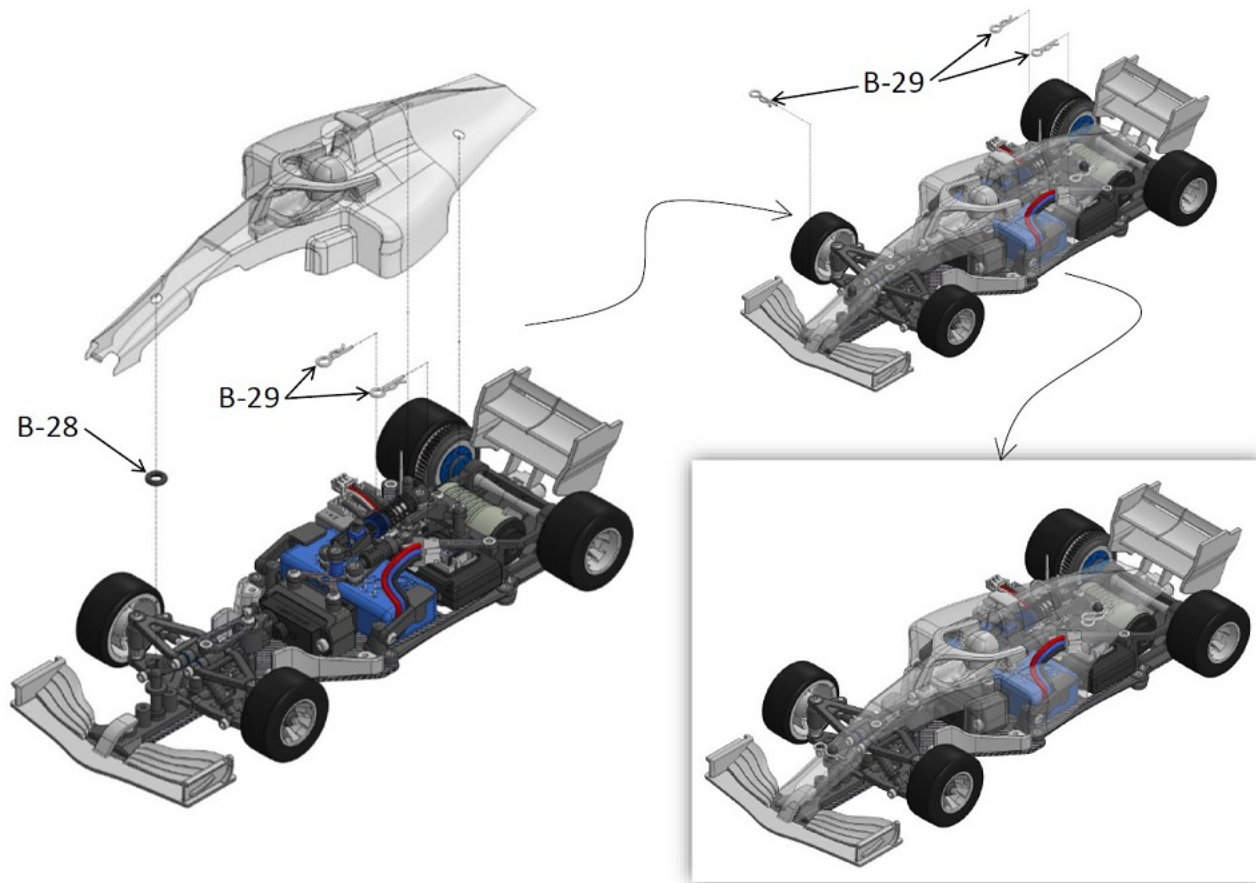
M2x4
Cup Head

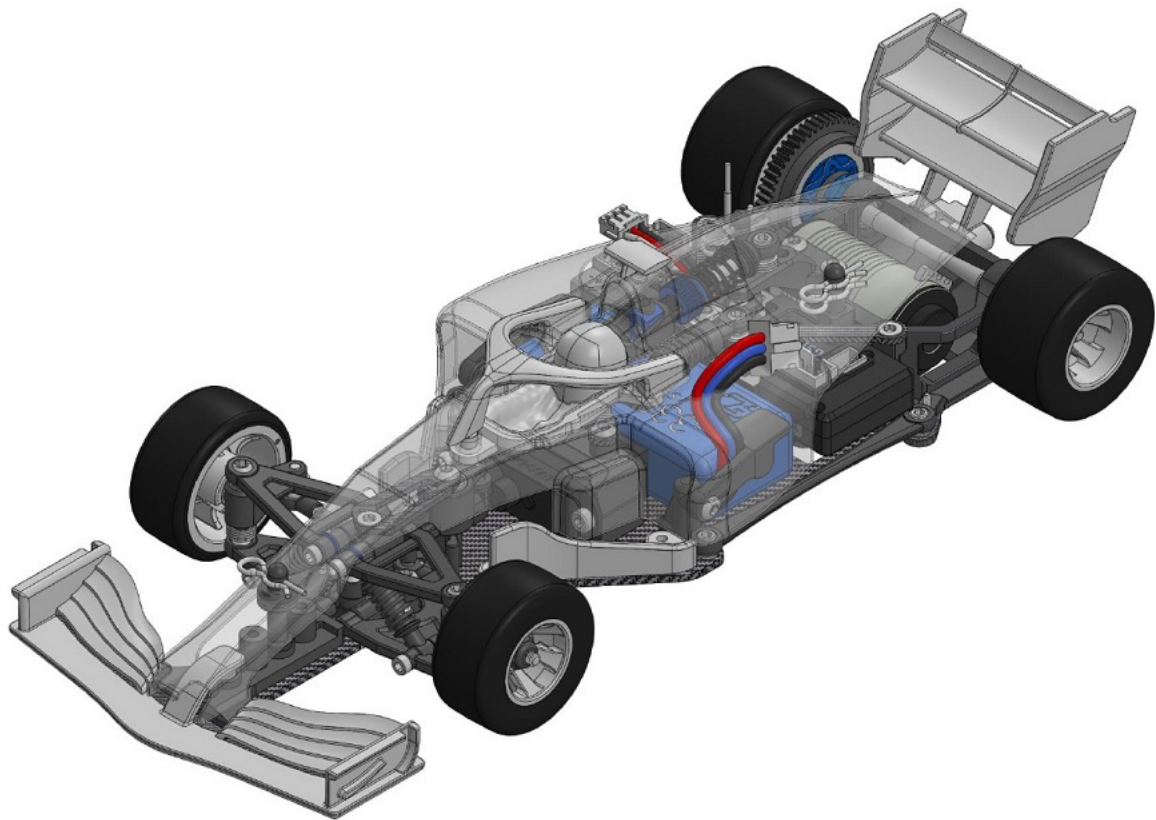
Receiver not included
Recommended the
RX Receiver GX-031
Available at GL Online Shop

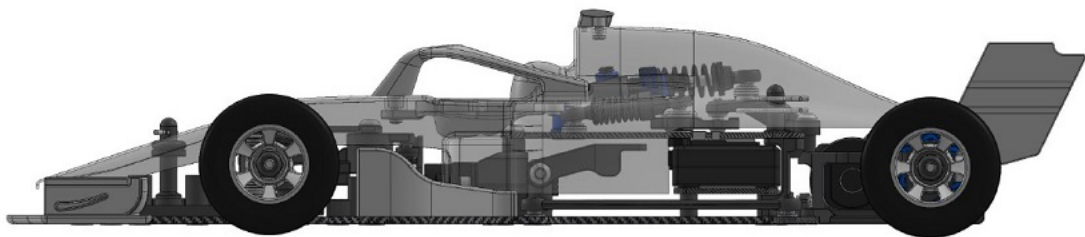




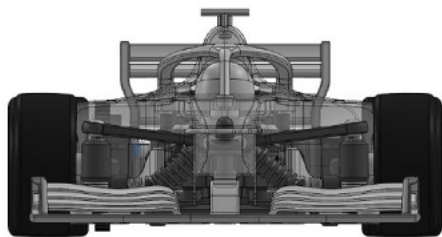




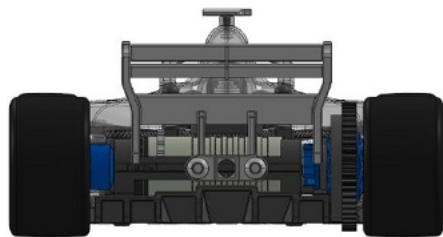




Side View



Front View



Rear View

Basic setup tips before 1st run

- 1, Checking all the ball joint and movement parts are moving freely.
- 2, Applying suitable grease on Shocks (P-15 and P-21) and ball differential (P-10).
- 3, Tire around the Rims (P-21) must be fixed with Superglue (Aron Alpha).
- 4, Adjust the down stop screw (P-15) to let the front lower arm in horizontal. **NO DOWN STOP IS REQUIRED IN FIRST SET UP.** Applying down stop may cause steering sensitive.
- 5, Adjust the central shocks to line up in flat the chassis front and rear.
- 6, Adjusting ride high around **3mm** on front (P-20) and rear (P-11) before run.
- 7, Keep the length of Steering Rods (P-13) in between 13.4mm to 13.6mm. Shorter may cause toe-out for stable in cornering. Longer may cause toe-in for steering sensitive.
- 8, For beginner: Motor 2500KV, Front Tire GLF001-25/GLF001-27, Rear Tire V9R10-F1-GL.
- 9, For competition: Motor 3500KV or above, Front Tire GLF001-23/GLF001-25, Rear Tire V1R10-F1-GL.
- 10, After the body shell installed to the chassis, check all the moving parts be freely before run.

Recommended basic option parts available at GL online shop

- GLF-OP-001 Side Shock Spring
- GLF-OP-002 Front Shock Spring
- GLF-OP-003 Side Screw Adjustable Shock
- GLF-OP-004 Front Screw Adjustable Shock
- GLF-OP-005 Steering Knuckles (1°)
- GLF-OP-007 Central Long Piston Rod (Compatible with GLR)
- GLR-003-CL Central Shock Spring (Compatible with GLR)