



IRIS ONE.2 FWD

IRIS ONE.2 FWD COMPETITION TOURING CAR KIT

#RACEIRIS

Thank you for purchasing the IRIS ONE.2 FWD Car.

Building on everything we learned with the IRIS ONE and the race-proven ONE.1, the ONE.2 represents a focused evolution: a new pullrod concept, refined suspension geometry and many detail changes that lower the center of gravity and overall weight while making setup simpler and more repeatable. Our team drivers continued to push the platform at major events world-wide, and their feedback shaped every update you find here.

Enjoy the IRIS ONE.2 and share the journey with us on and off the track. For setup sheets, PDF manuals and further information, please visit our website.

Features

- *New pullrod system for a lower damper position and reduced center of gravity*
- *Improved and optimized suspension geometry for increased corner speed and consistency*
- *Lower overall weight for quicker response and better balance*
- *Integrated, adjustable upstop limiter front and rear*
- *Adjustable suspension progressiveness*
- *Adjustable upper arm length*
- *Easy-to-set fixed caster position using separately sold tuning parts*

Technical data

- *Scale/class: 1/10 electric FWD touring car*
- *Suspension: double wishbone with pullrod-actuated dampers, adjustable progressiveness and upper arm length*
- *Chassis: carbon fiber main plate with flex-optimized layout*
- *Upstop system: integrated and individually adjustable front and rear (optional)*
- *Caster: fixed positions achievable via optional tuning parts*
- *Weight: reduced by about 20g compared to the ONE.1*

For setups, PDF manuals or other information, please visit our website www.iris-racing.com:



GEAR UP WITH RUDDOG:

THE ESSENTIAL TOOLS FOR YOUR IRIS ONE.2.



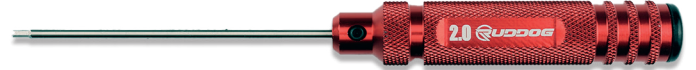
7.0MM NUT DRIVER WRENCH

5.5MM NUT DRIVER WRENCH

2.5MM HEX DRIVER WRENCH

2.0MM HEX DRIVER WRENCH

1.5MM HEX DRIVER WRENCH



RACE AHEAD WITH RUDDOG:

ESSENTIAL RACING EQUIPMENT FOR YOUR IRIS ONE.2.



RUDDOG.EU

1.1

DIFFERENTIAL

Lubricate using
RUDDOG Red Stuff
Grease or similiar.

Please note
direction.
Steep angle
inside

IRIS-32004

IRIS-32000

IRIS-32011

IRIS-32006

IRIS-83000

IRIS-32008

IRIS-32001

1.2

DIFFERENTIAL

Lubricate using
RUDDOG Red Stuff
Grease or similiar.

IRIS-32004

IRIS-32000

IRIS-32011

IRIS-83000

IRIS-32006

IRIS-32008

IRIS-32001

1.2

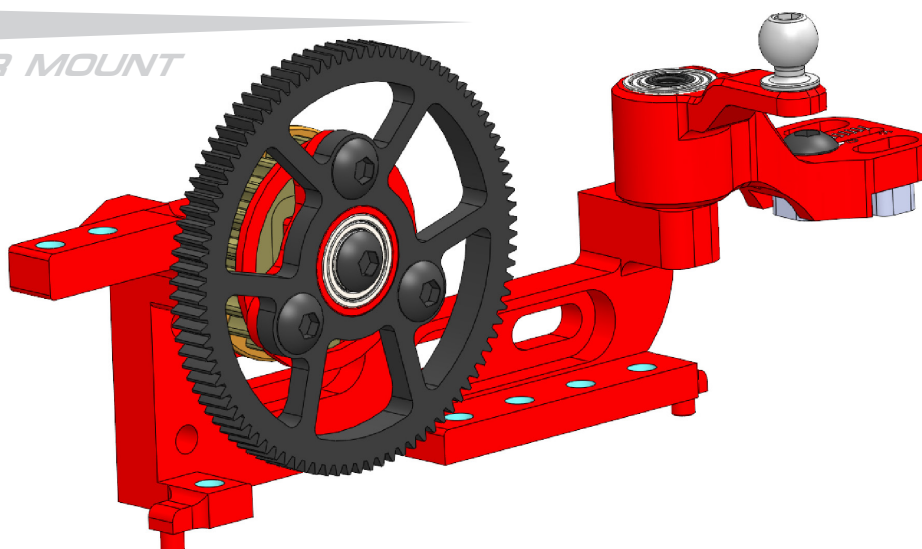
DIFFERENTIAL

IRIS-85000

IRIS-32004

2.1

MOTOR MOUNT



2.2

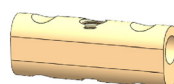
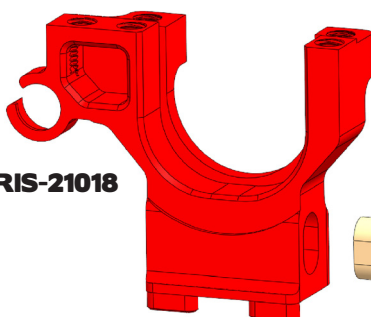
BULKHEAD LEFT

x4
M3x3mm
Set Screw



Build this step twice !

IRIS-21018



IRIS-21005

M3x3mm SS

2.3

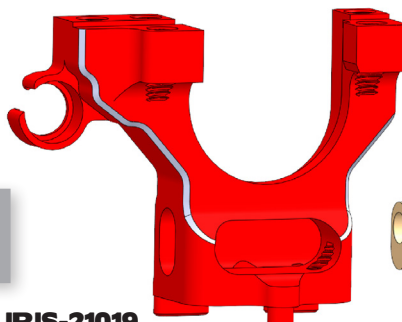
BULKHEAD RIGHT

x4
M3x3mm
Set Screw



Build this step twice !

IRIS-21019



IRIS-21005



M3x3mm SS

3.1

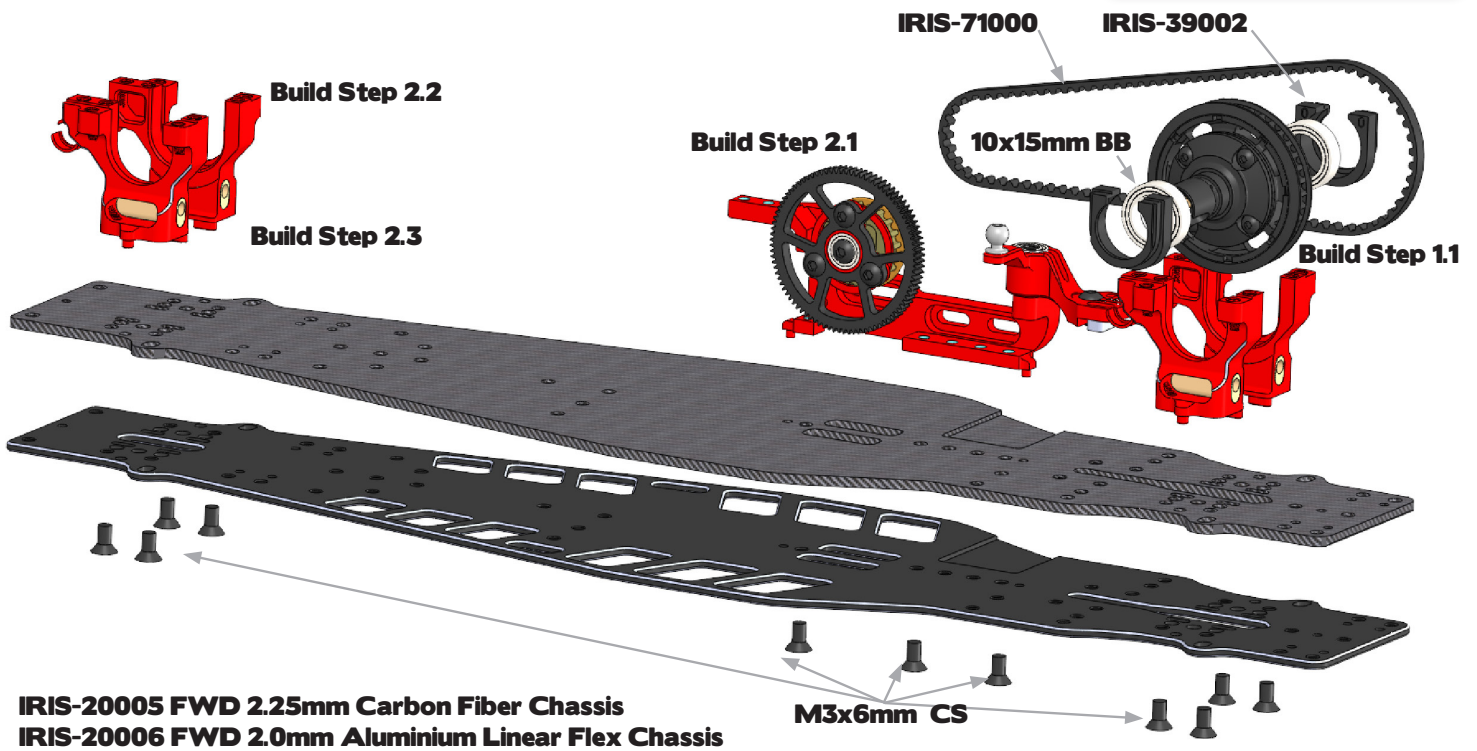
CHASSIS

Start with #0 belt tension inserts.

Internal drive ratio is 1.9

x11
M3x6mm
Countersunk Screw

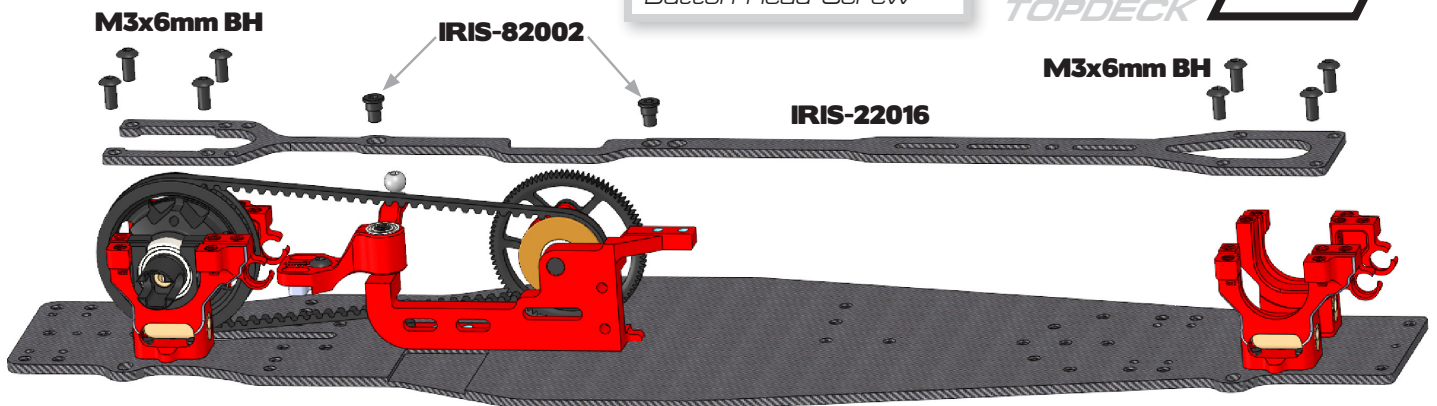
x2
10x15mmmm
Ball Bearing



3.2

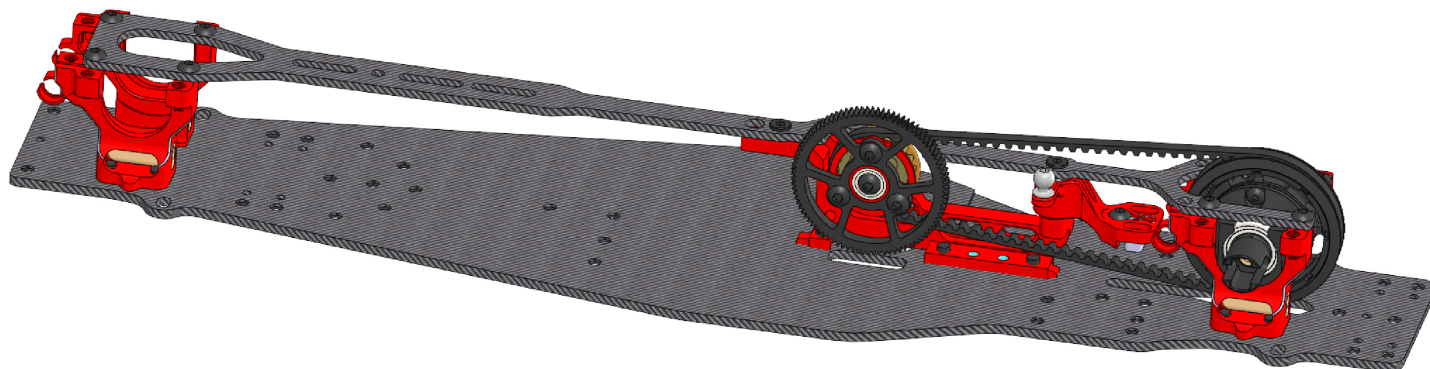
TOPDECK

x8
M3x6mm
Button Head Screw



3.2

CHASSIS AND TOPDECK MOUNTED

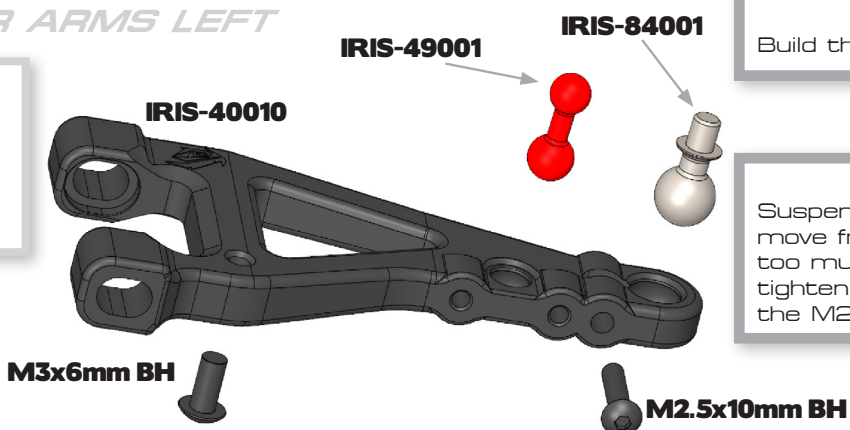


4.1

LOWER ARMS LEFT

x2
M2.5x10mm
Button Head Screw

x2
M3x6mm
Button Head Screw

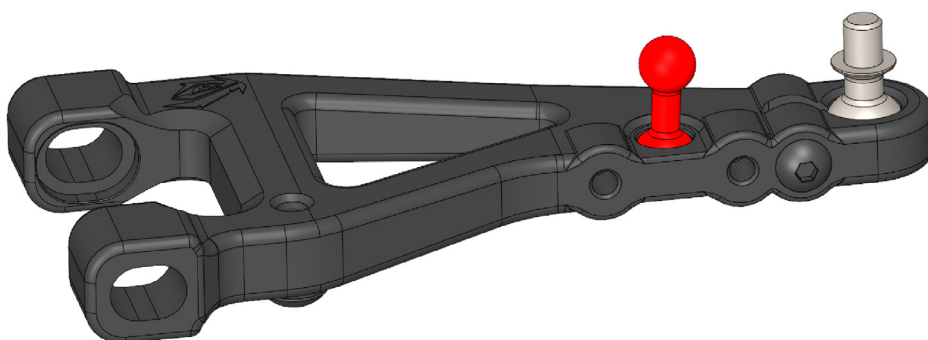


Build this step twice !

Suspension balls should move freely, yet have not too much play. Adjust by tightening or loosening the M2.5x10mm screw.

4.1

LOWER ARMS LEFT



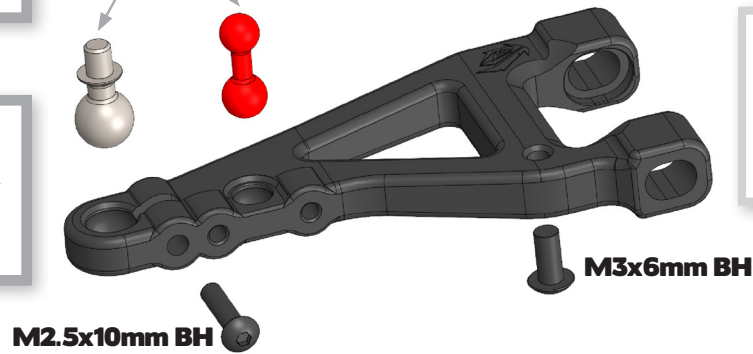
4.1

LOWER ARMS RIGHT

Build this step twice !

Suspension balls should move freely, yet have not too much play. Adjust by tightening or loosening the M2.5x10mm screw.

IRIS-49001
IRIS-84001

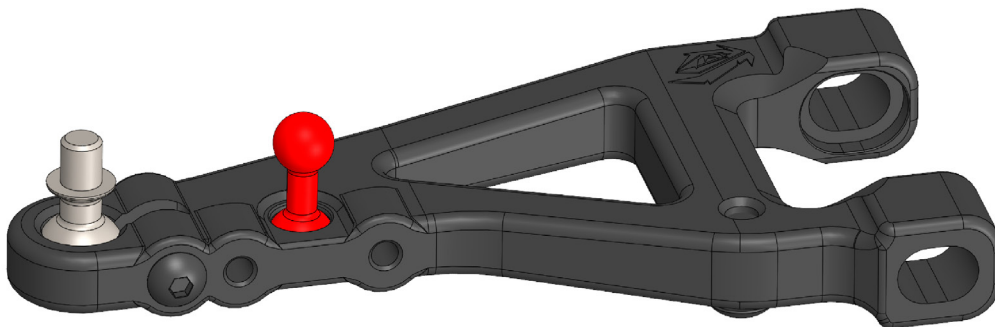


x2
M2.5x10mm
Button Head Screw

x2
M3x6mm
Button Head Screw

4.1

LOWER ARMS RIGHT



4.2

FRONT UPPER ARMS

IRIS-40017

M2.5x14mm BH

IRIS-40014

1mm Plastic
Washer

x4
M3x6mm
Button Head Screw

x2
M2.5x14mm
Button Head Screw

IRIS-84005

IRIS-40016

IRIS-40018
See 4.4 for
identification

M3x6mm BH

IRIS-84015

Build left and right version.

4.2

FRONT UPPER ARMS ASSEMBLED

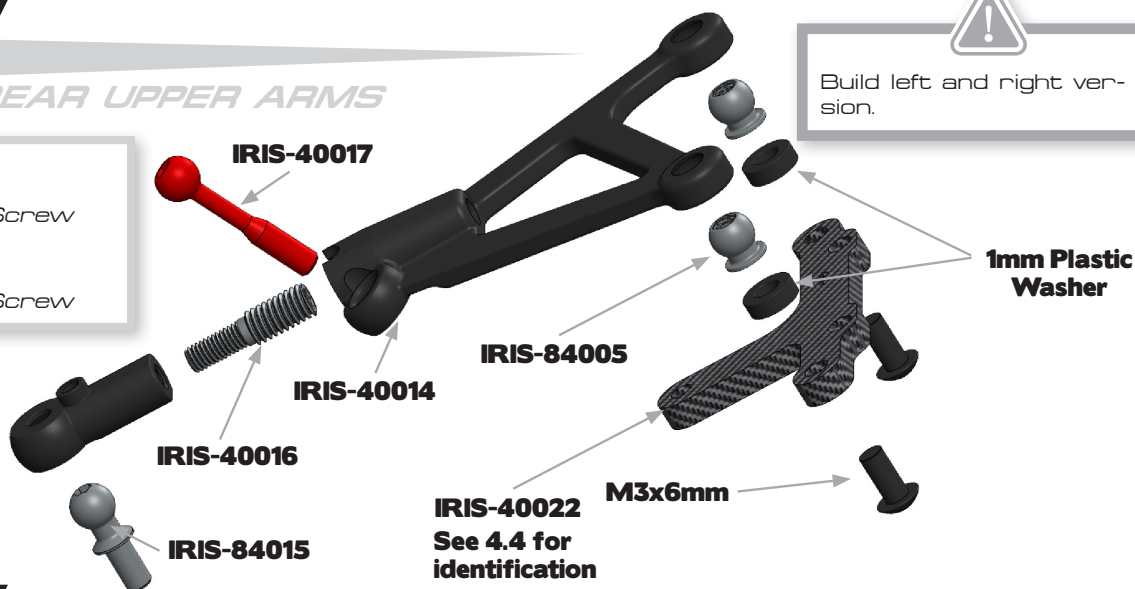


4.3

REAR UPPER ARMS

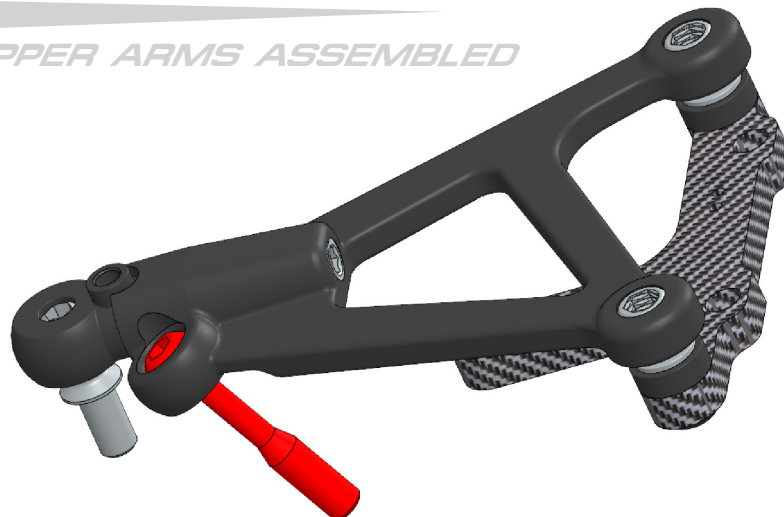
x4
M3x6mm
Button Head Screw

x2
M2.5x14mm
Button Head Screw



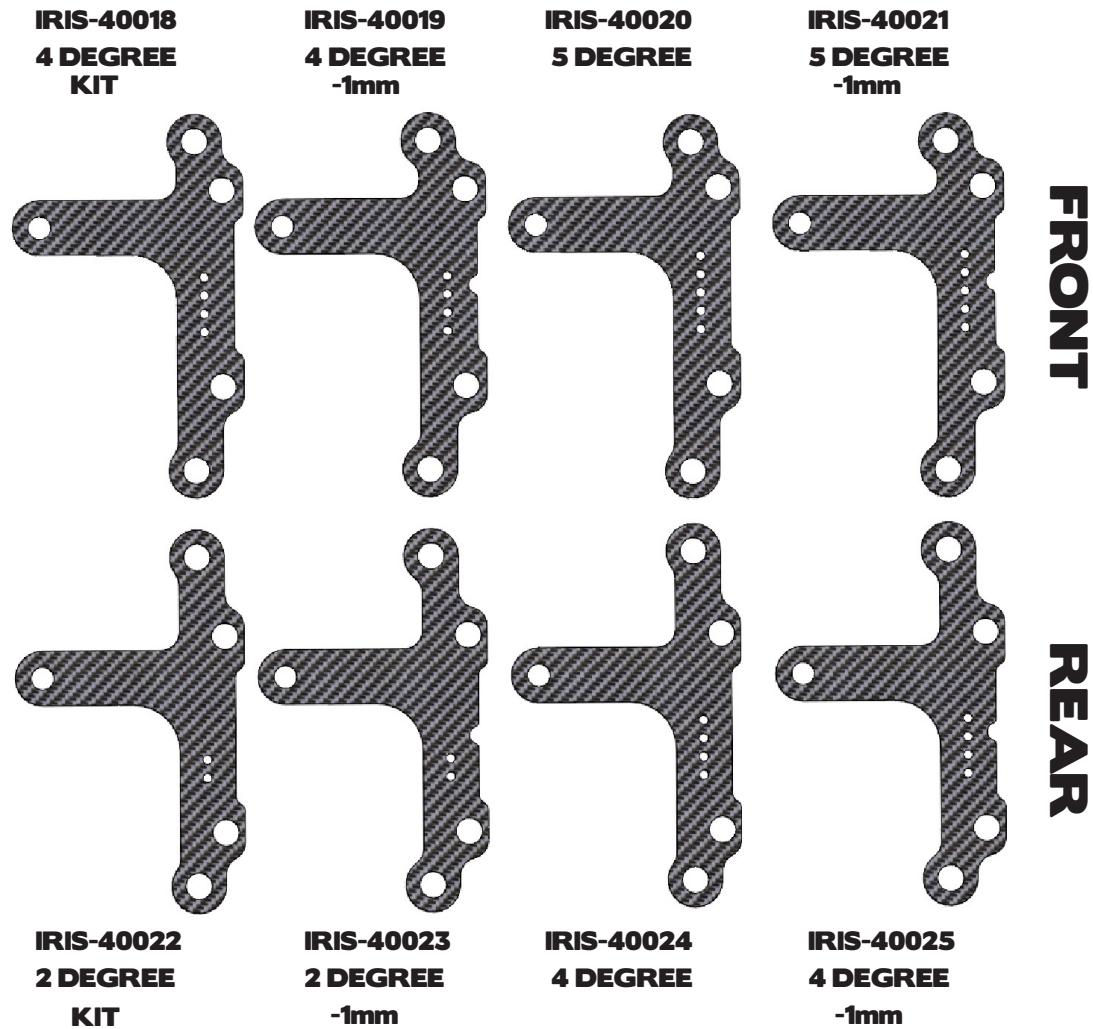
4.3

REAR UPPER ARMS ASSEMBLED



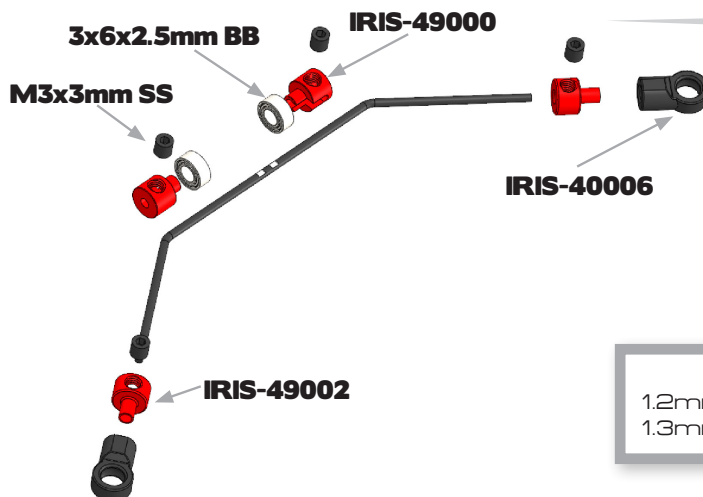
4.4

OPTIONAL UPPER SUSPENSION MOUNTS OVERVIEW



4.5

ANTI-ROLL BAR



x8
M3x3mm
Set Screw

x4
3x6x2.5mm
Ball Bearing



1.2mm front anti-roll bar
1.3mm rear anti-roll bar



Build this step twice !

4.6

MOUNTING OF FRONT LOWER

x2
M3x3mm
Set Screw

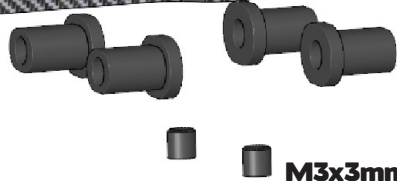
IRIS-41000

Build Step 4.1

Build Step 4.5



Use a 3.0mm arm reamer to increase the insert hole size until the hinge pin moves freely.

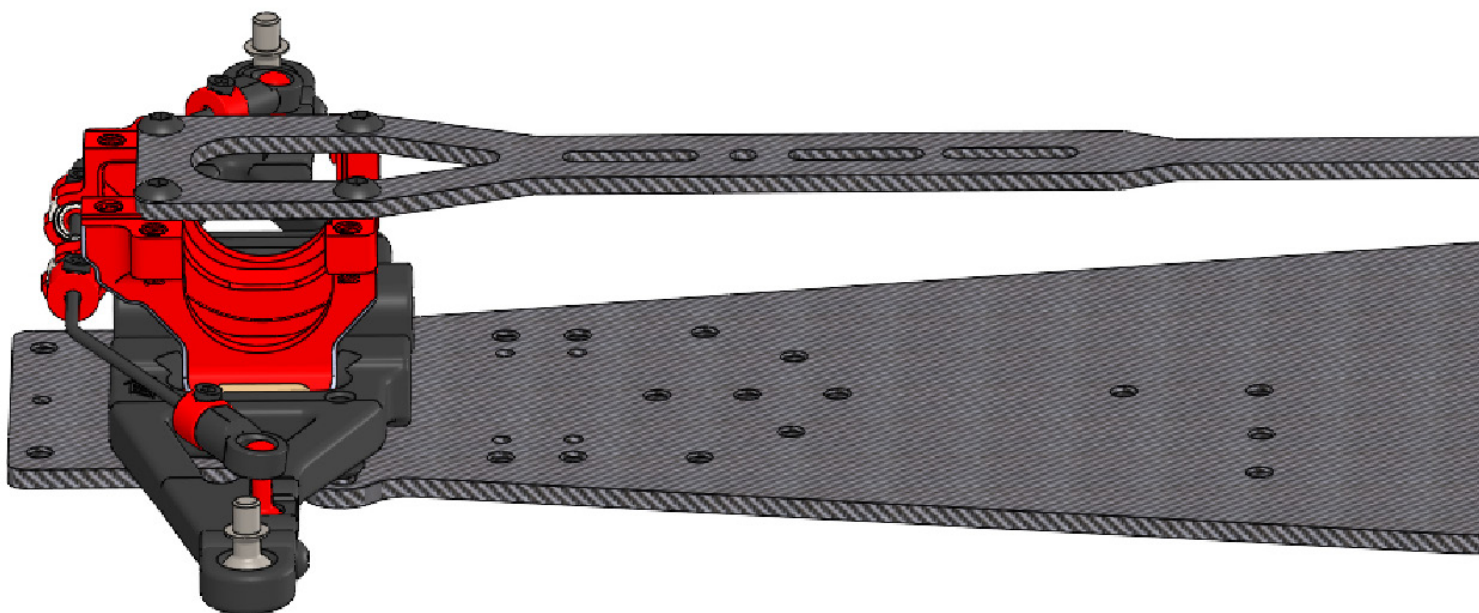


IRIS-40010

M3x3mm SS

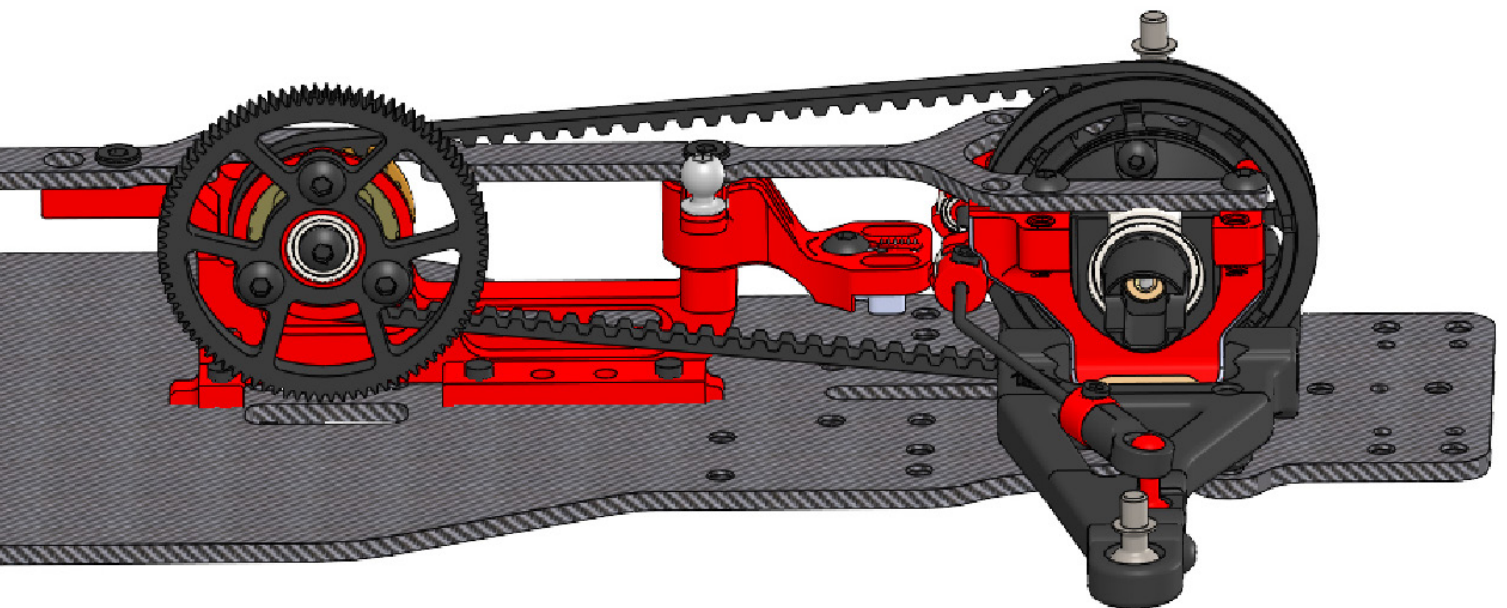
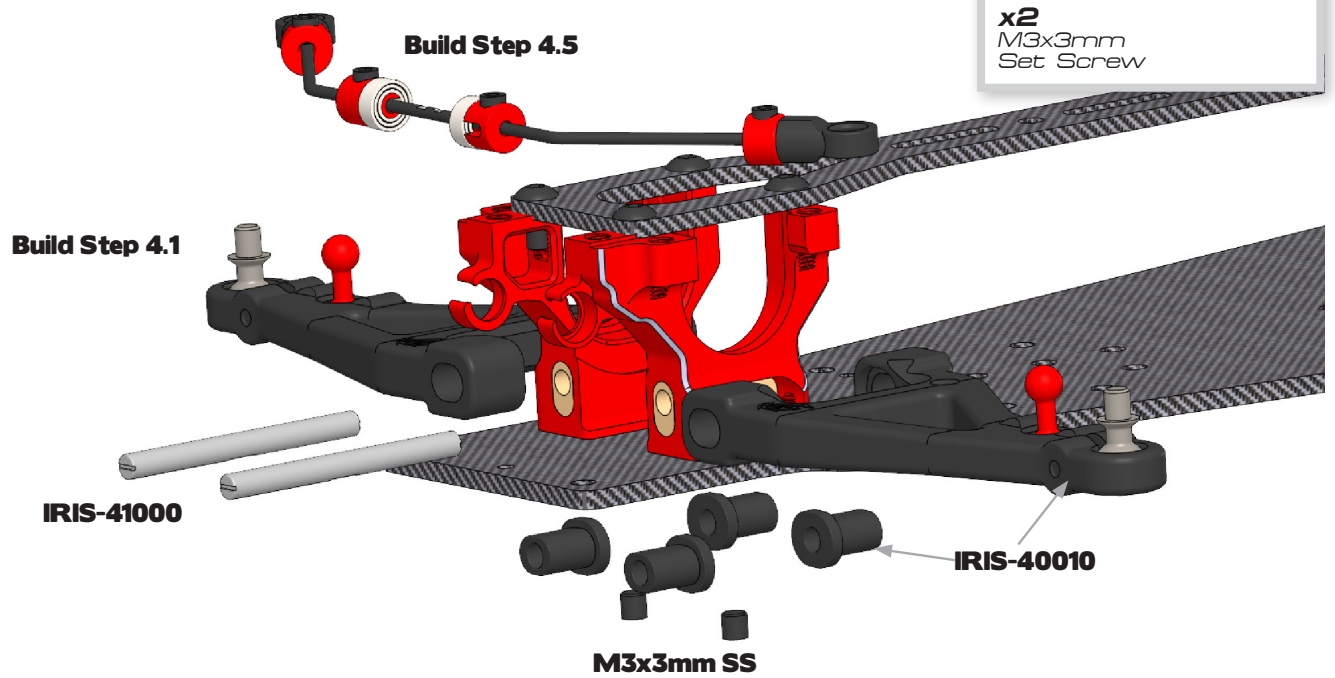
4.6

LOWER ARMS MOUNTED



4.6

MOUNTING OF REAR LOWER ARMS

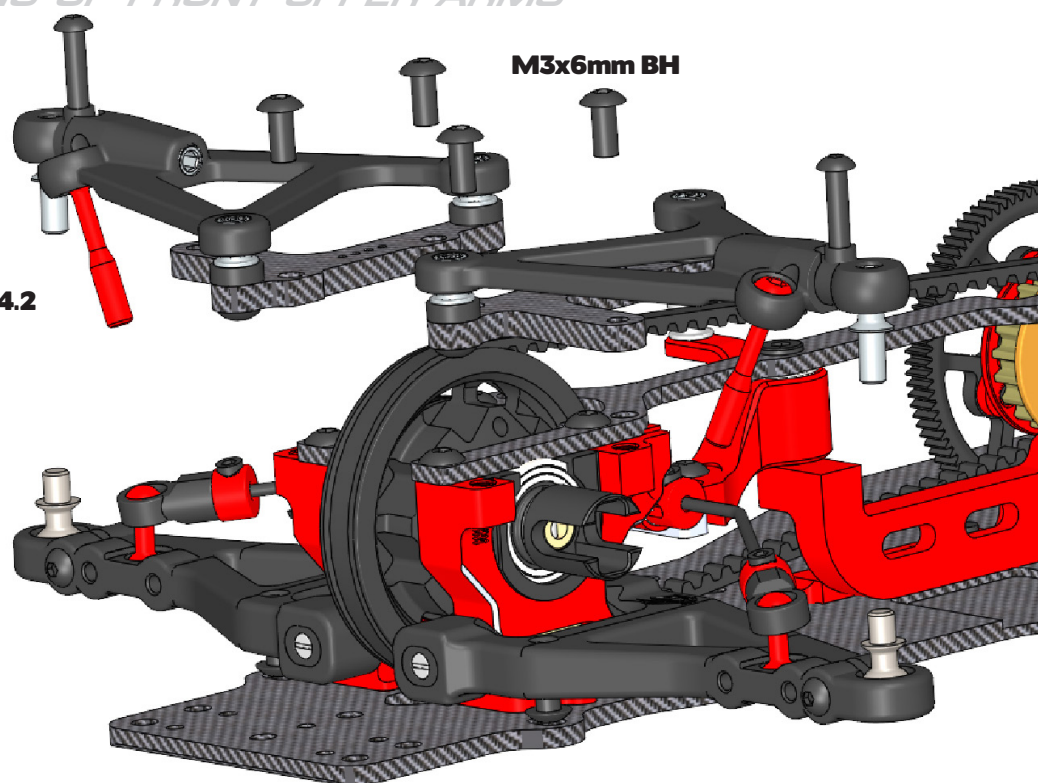


4.7

MOUNTING OF FRONT UPPER ARMS

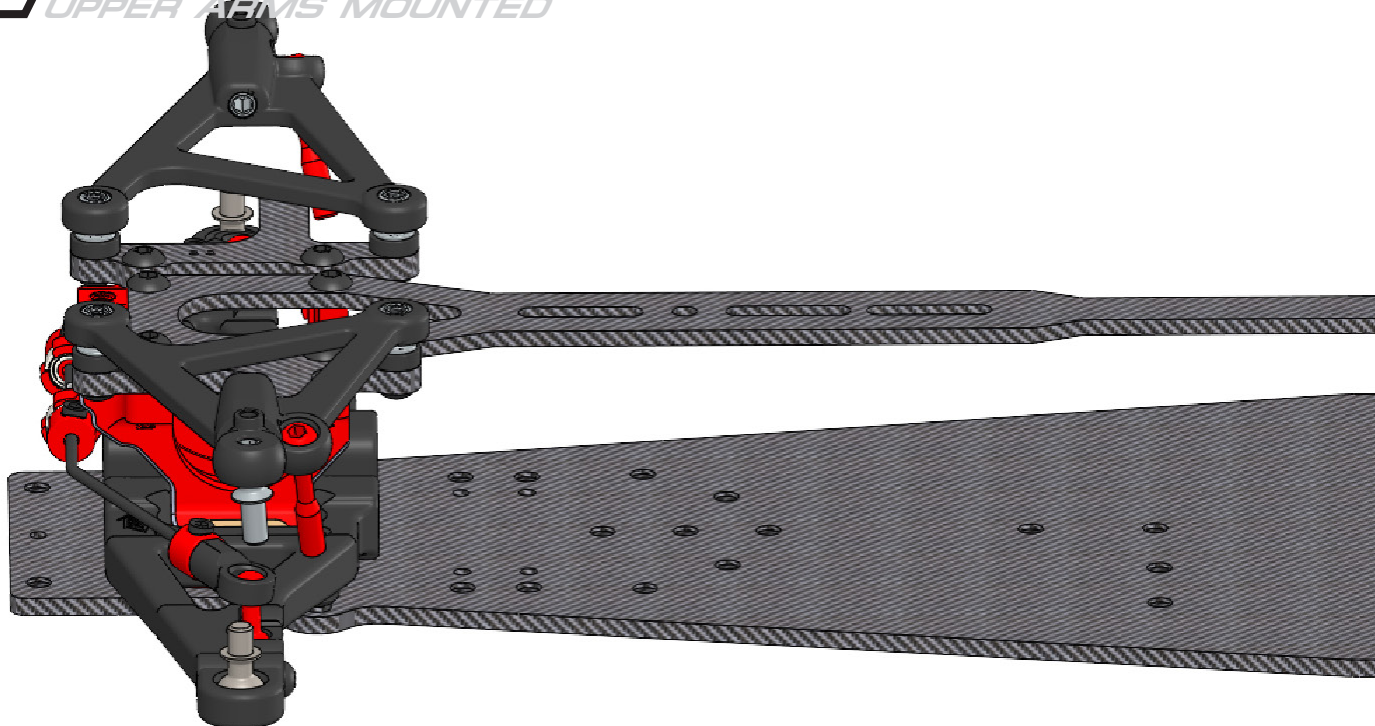
x4
M3x6mm
Button Head Screw

Build Step 4.2



4.7

UPPER ARMS MOUNTED



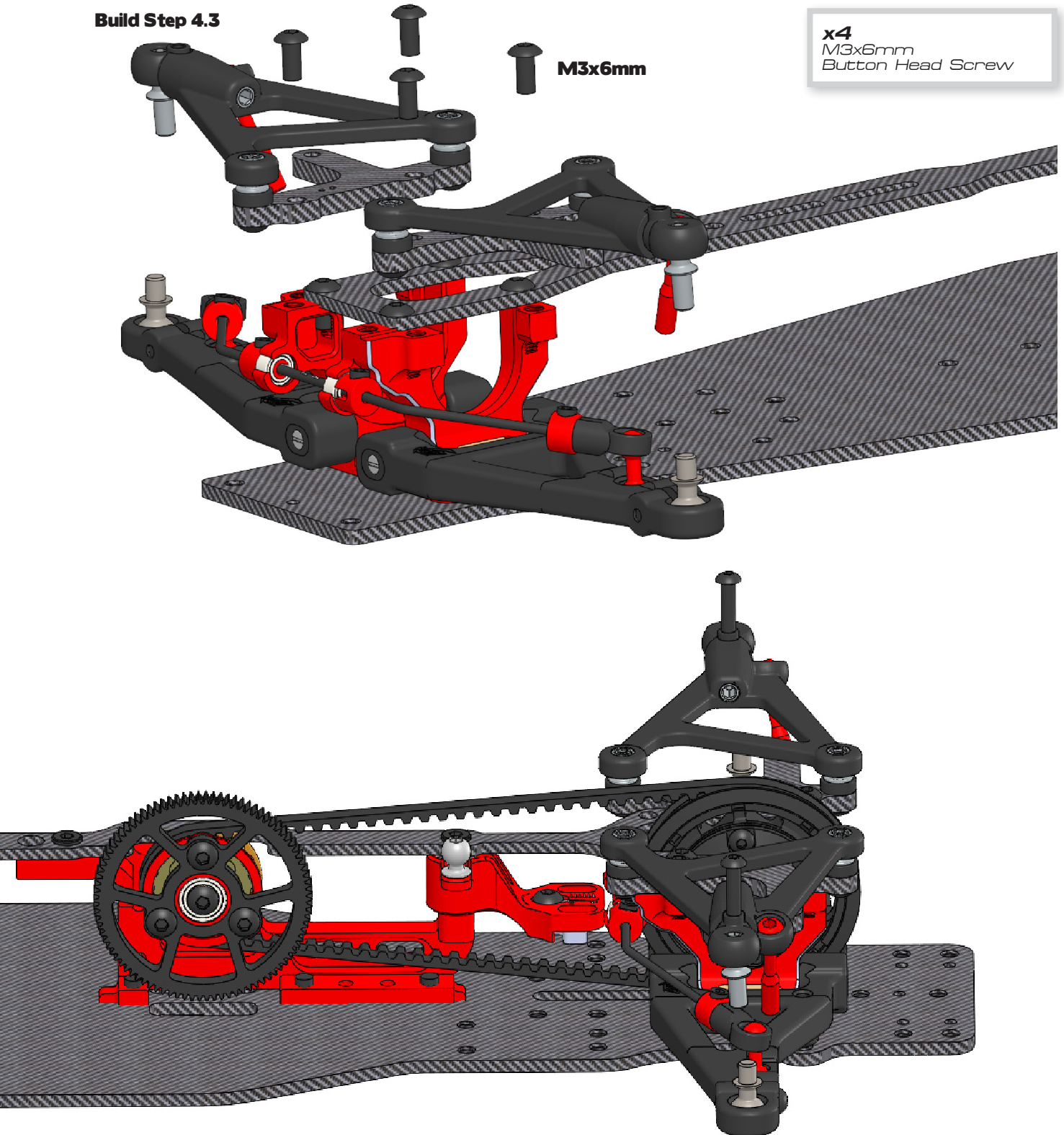
4.7

MOUNTING OF REAR UPPER ARMS

Build Step 4.3

M3x6mm

x4
M3x6mm
Button Head Screw



5.1

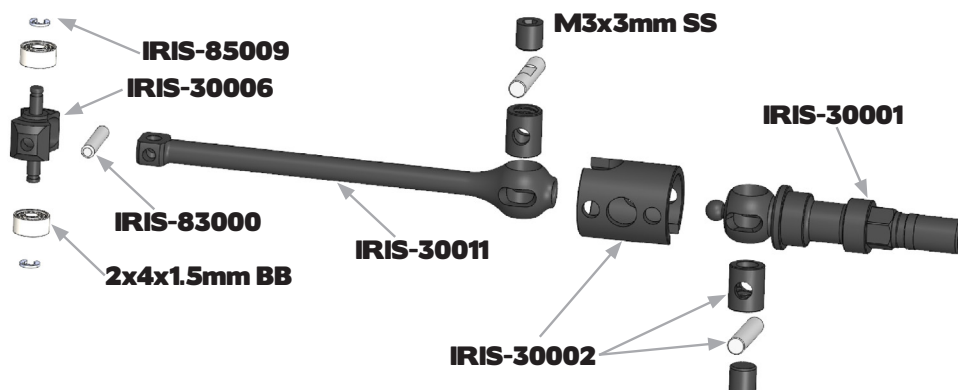
FRONT DRIVESHAFT

x2
M3x3mm
Set Screw

x2
2x4x1.5mm
Ball Bearing



Build this step twice !

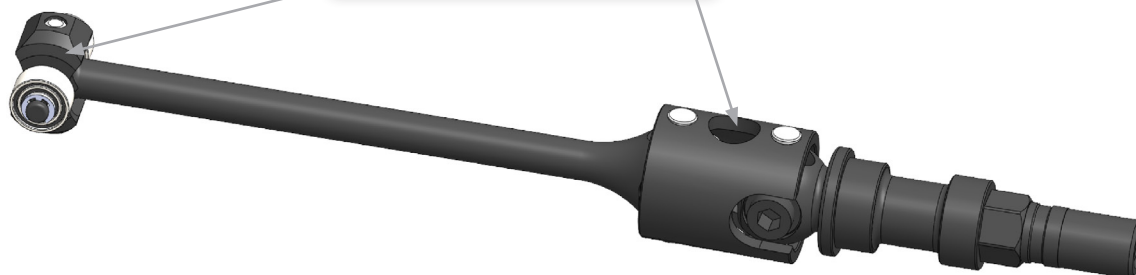


5.1

FRONT DRIVESHAFT



Lubricate using RP-0494
RUDDOG Drivetrain Oil



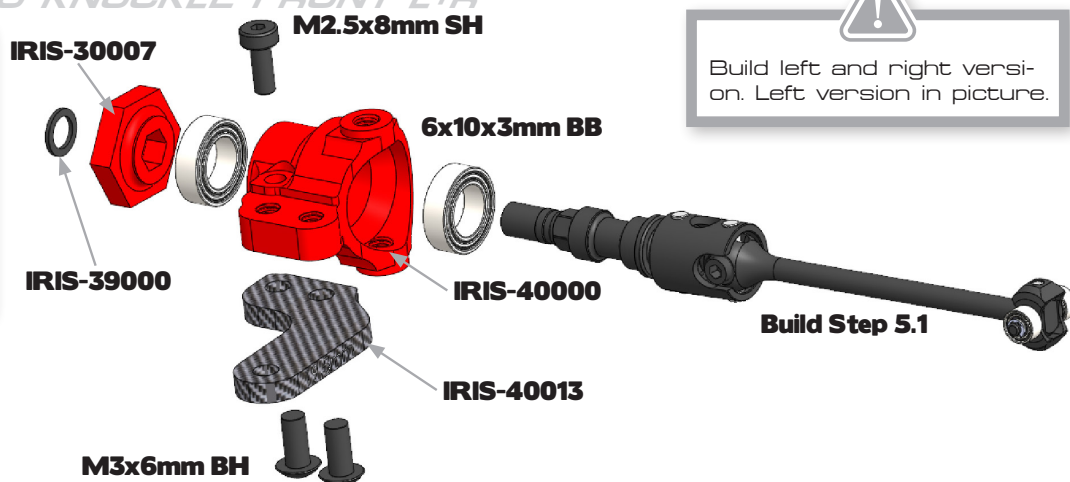
6.1

STEERING KNUCKLE FRONT L+R

x4
M3x6mm
Button Head Screw

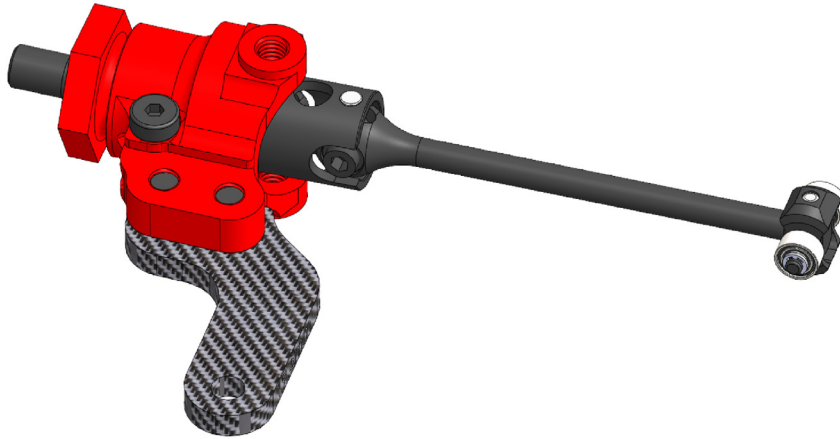
x2
M2.5x8mm
Socket Head Screw

x4
6x10x3mm
Ball Bearing



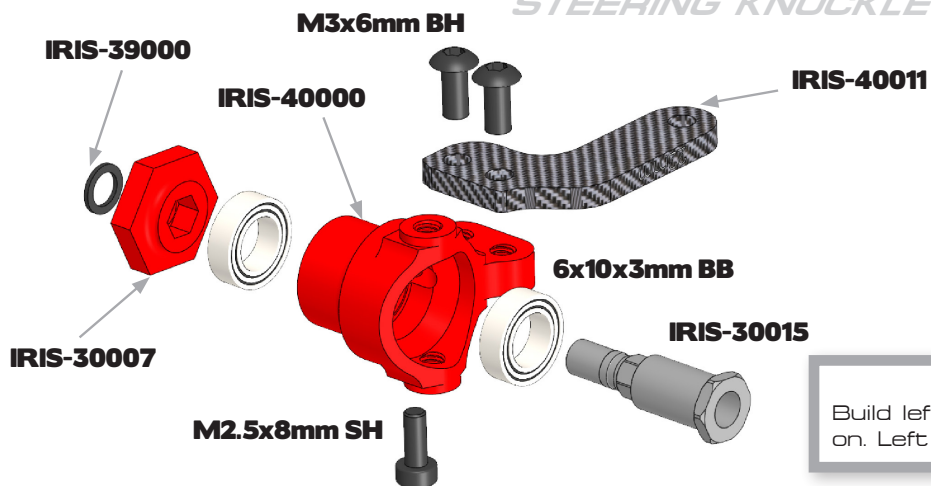
6.1

STEERING KNUCKLE FRONT L+R



6.2

STEERING KNUCKLE REAR L+R



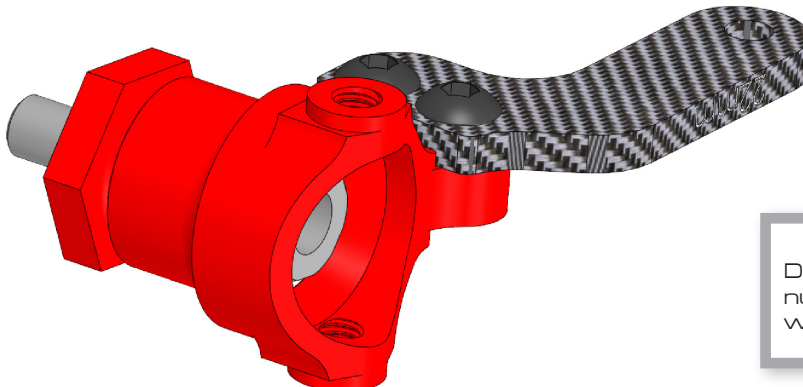
- x4**
M3x6mm
Button Head Screw
- x2**
M2.5x8mm
Socket Head Screw
- x4**
6x10x3mm
Ball Bearing



Build left and right version.
Left version in picture.

6.2

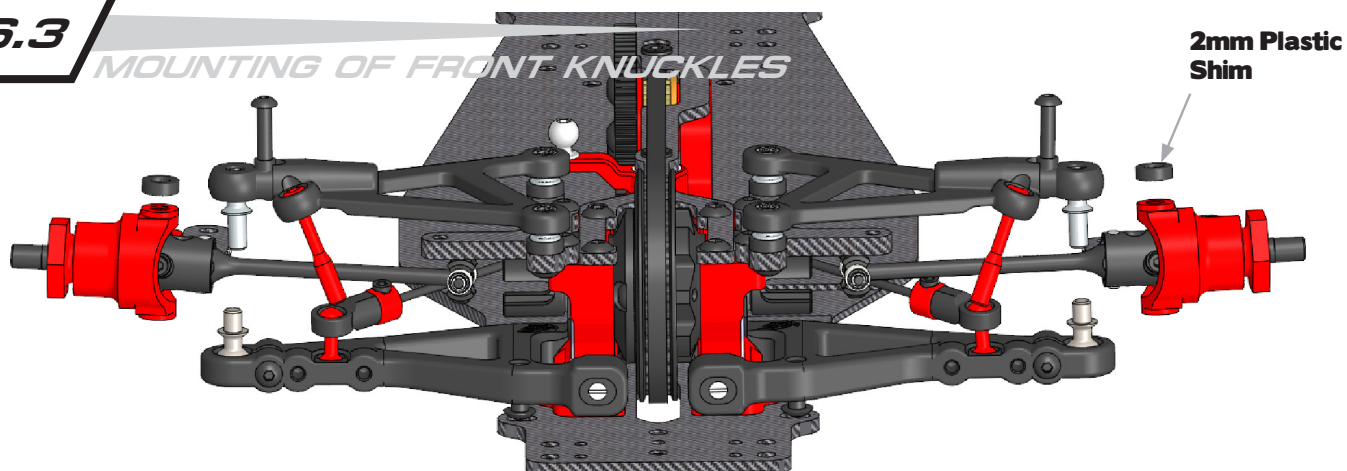
STEERING KNUCKLE REAR L+R



Do not overtighten wheel
nut, otherwise wheel axle
will fail.

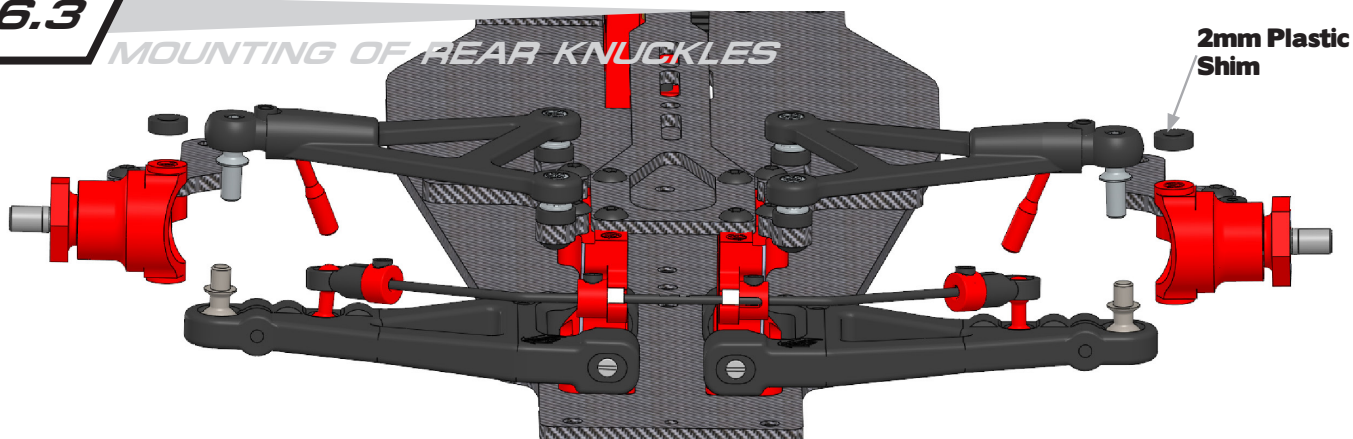
6.3

MOUNTING OF FRONT KNUCKLES



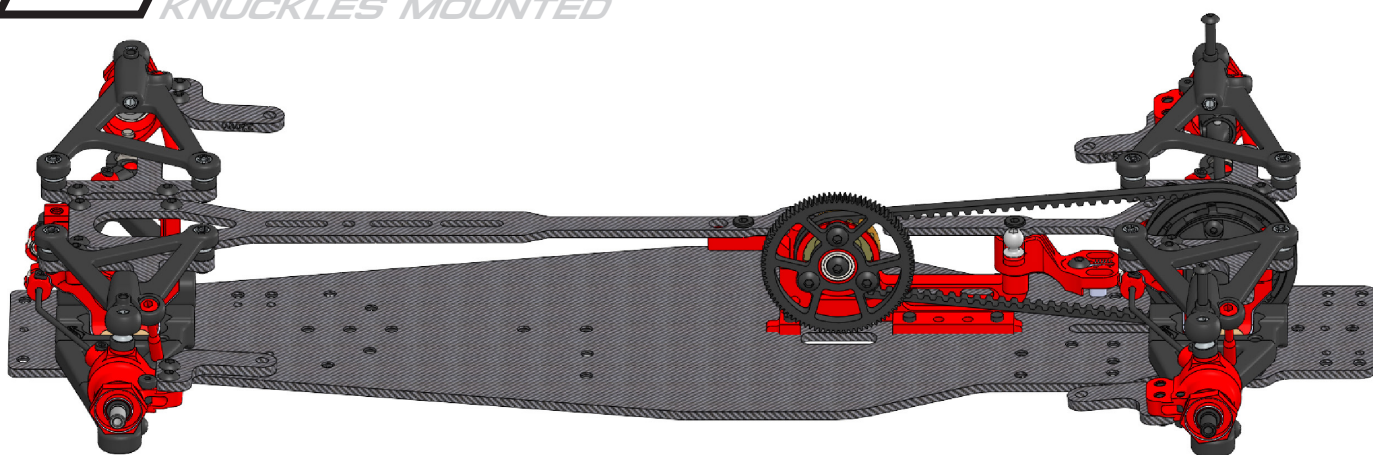
6.3

MOUNTING OF REAR KNUCKLES



6.3

KNUCKLES MOUNTED





Lubricate using RUDDOG Red Stuff Grease or similar.



Insert guide shim and fill with silicone oil. Afterwards insert piston and complete shock build.

7.1

SHOCKS

IRIS-50007 | LEFT
IRIS-50008 | RIGHT

IRIS-50018

IRIS-50014

IRIS-75016 | LEFT
IRIS-75017 | RIGHT

IRIS-50028 | LEFT
IRIS-50029 | RIGHT

x20
M2x6mm
Counter Sunk Screw



500 cst for front shocks
800 cst for rear shocks



Build two sets of the left and right version. Left version in picture.

M2x6mm CS

IRIS-50011

IRIS-75020

IRIS-75018

IRIS-75021

7.2

ROCKERS LEFT

M2x4mm CS

IRIS-50037

x4
M2x4mm
Counter Sunk Screw

x2
M2x5mm
Socket Head Screw



Build front and rear version

M2x5mm SH

IRIS-50031

7.3

ROCKERS RIGHT

M2x4mm CS

IRIS-50038

IRIS-50030

x4
M2x4mm
Counter Sunk Screw

x2
M2x5mm
Socket Head Screw



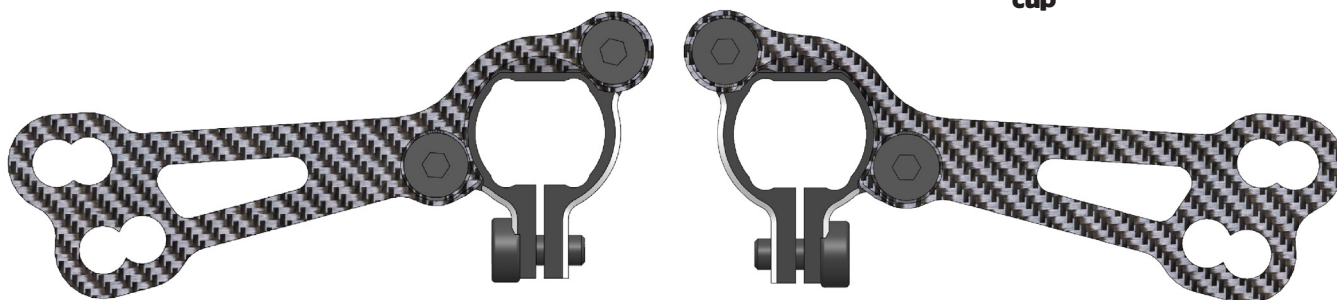
Build front and rear version

7.4

ROCKERS ASSEMBLED

LEFT VERSION

RIGHT VERSION



Inner hole = hard
Outer hole = soft

Upper row = progressive
Lower row = linear

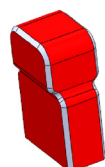
Lower row needs long ball cup

7.5

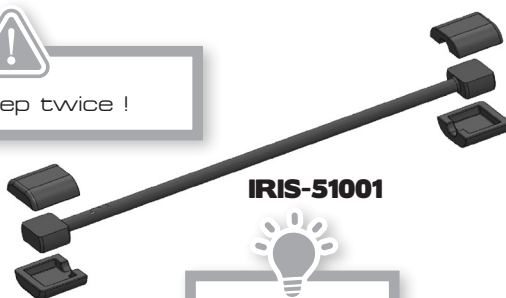
SPRING MOUNTS FRONT



Build this step twice !



IRIS-41001



IRIS-51001

Front: C=12.9
Rear: C=26.7

IRIS-50015

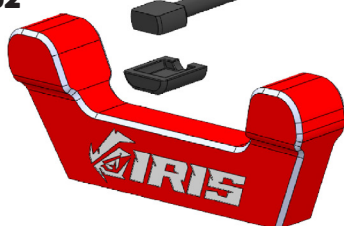


Use some grease to make the plastic inserts stick onto the spring.

7.6

SPRING MOUNTS REAR

IRIS-41002



IRIS-51004

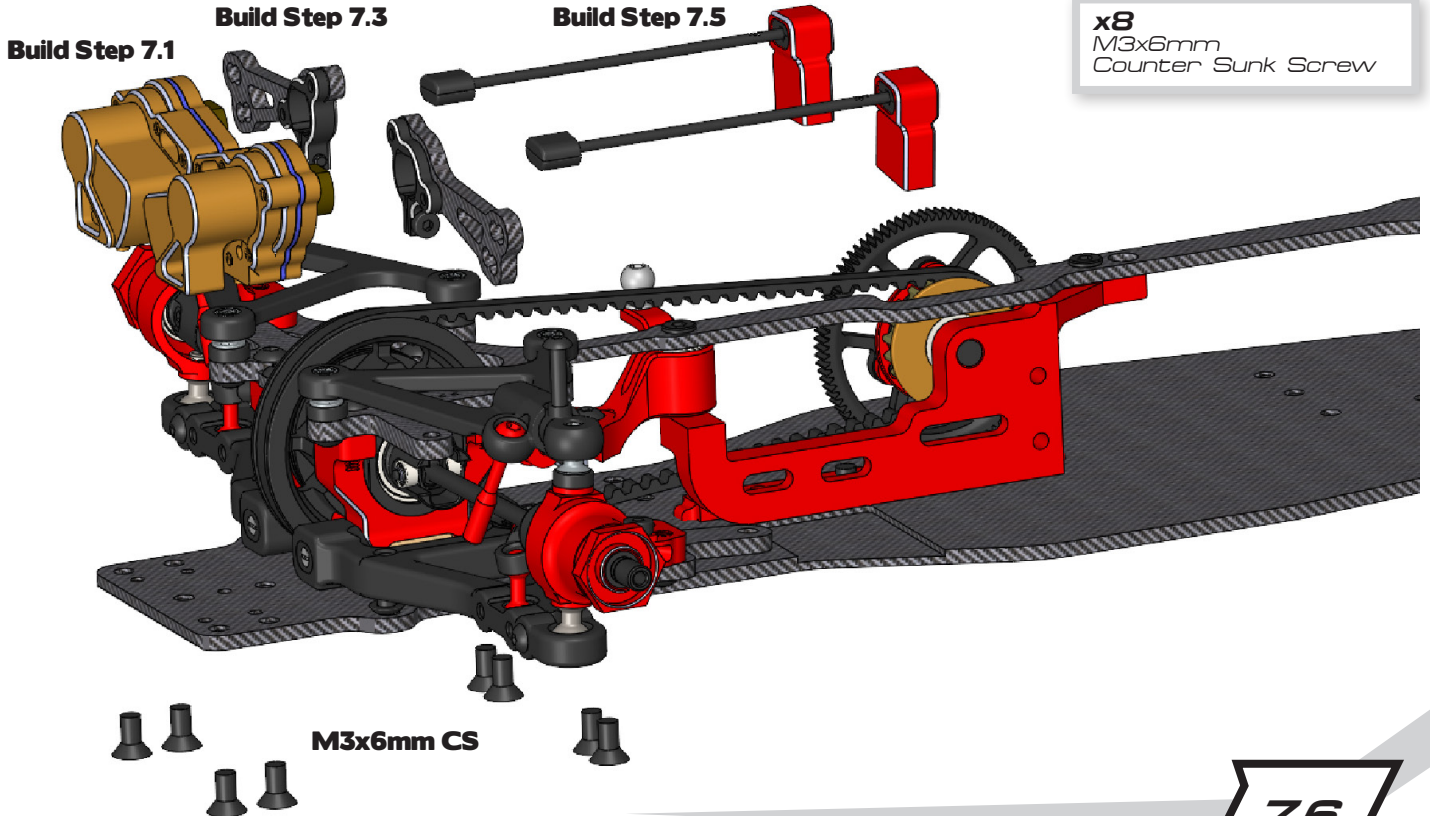
IRIS-50015



Use some grease to make the plastic inserts stick onto the spring.

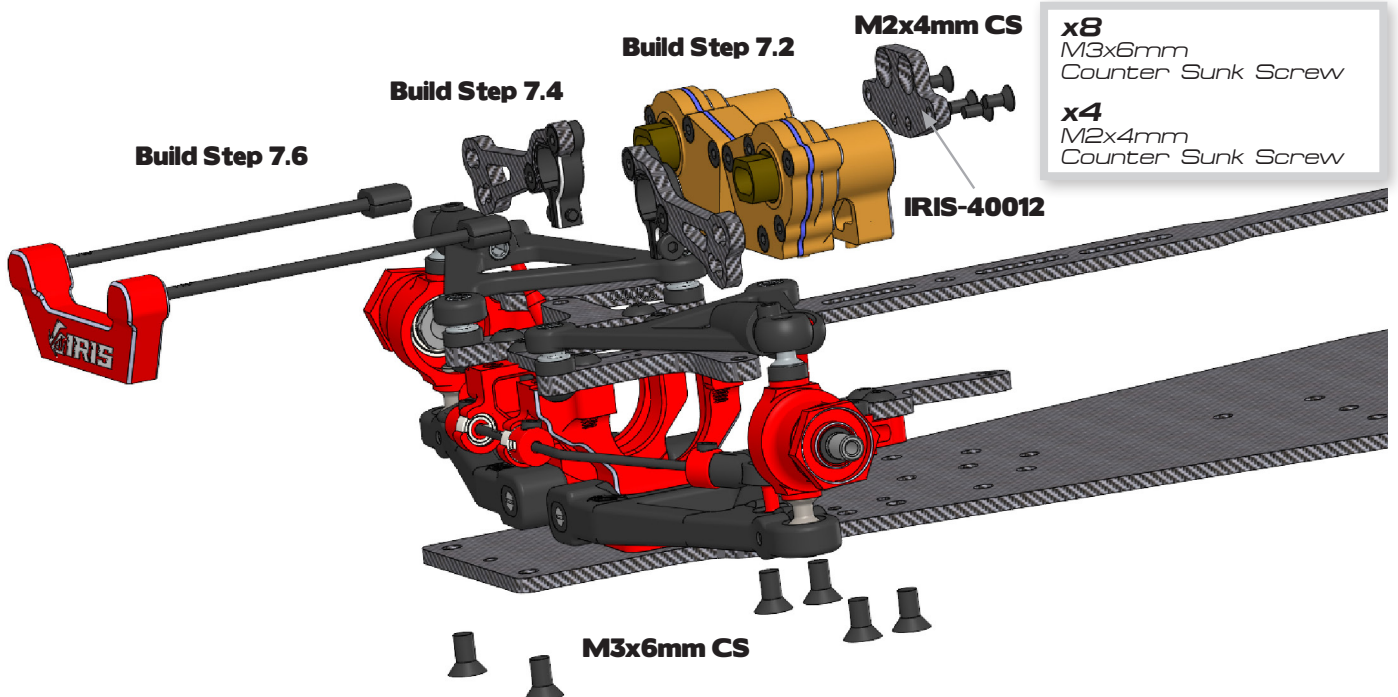
7.6

MOUNTING OF FRONT SHOCKS



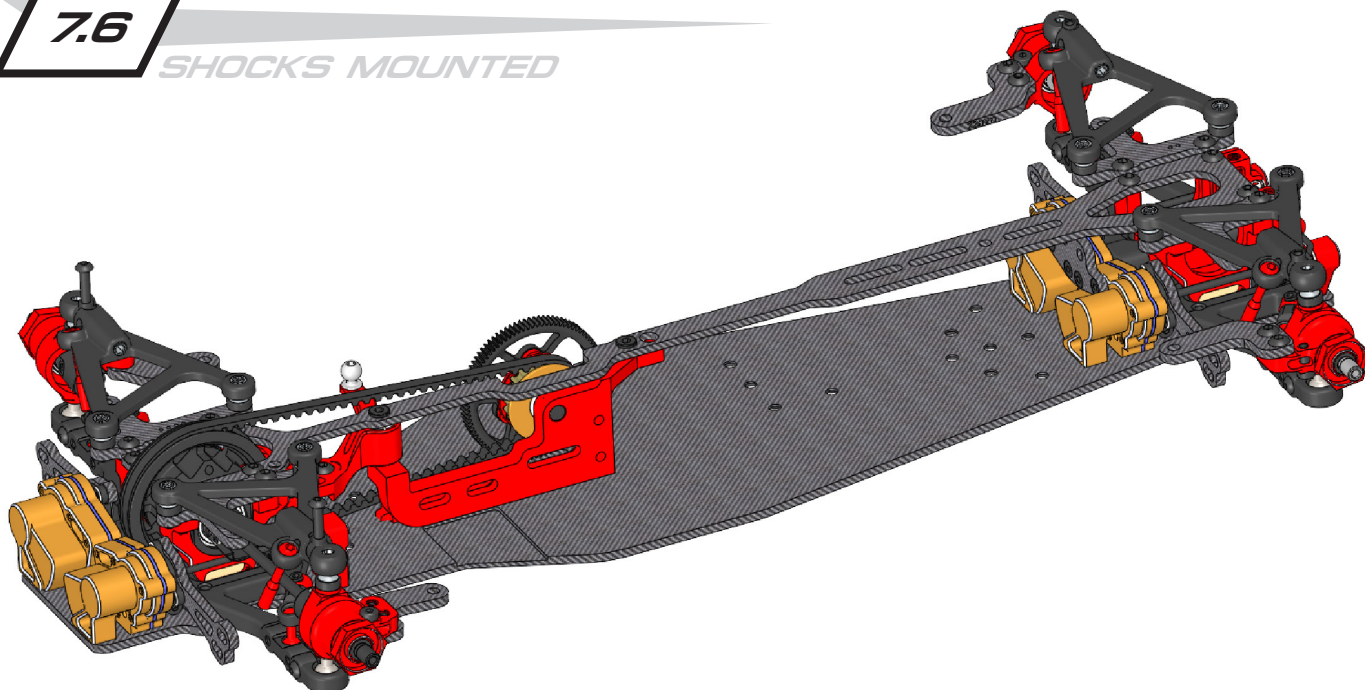
7.6

MOUNTING OF REAR SHOCKS



7.6

SHOCKS MOUNTED



8.1

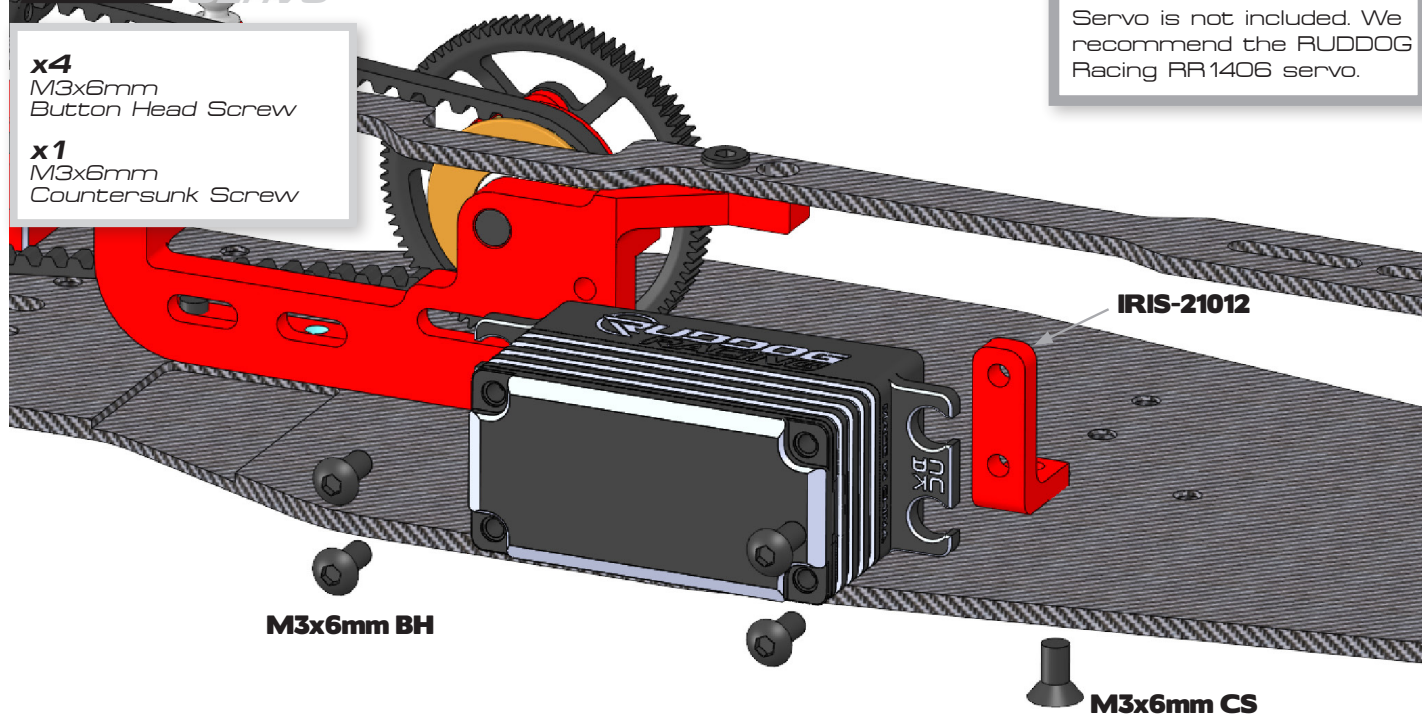
SERVO

x4
M3x6mm
Button Head Screw

x1
M3x6mm
Countersunk Screw



Servo is not included. We recommend the RUDDOG Racing RR1406 servo.



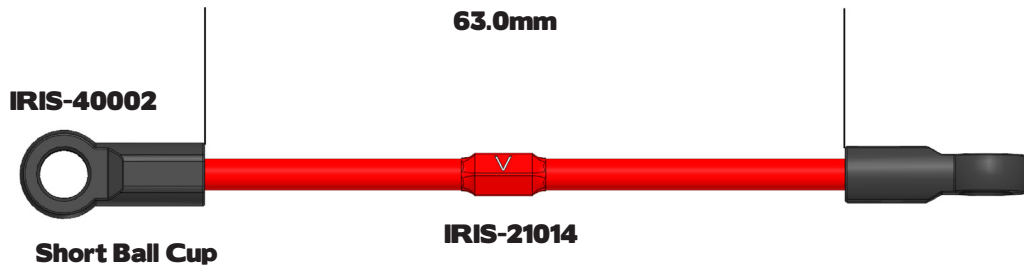
IRIS-21012

M3x6mm BH

M3x6mm CS

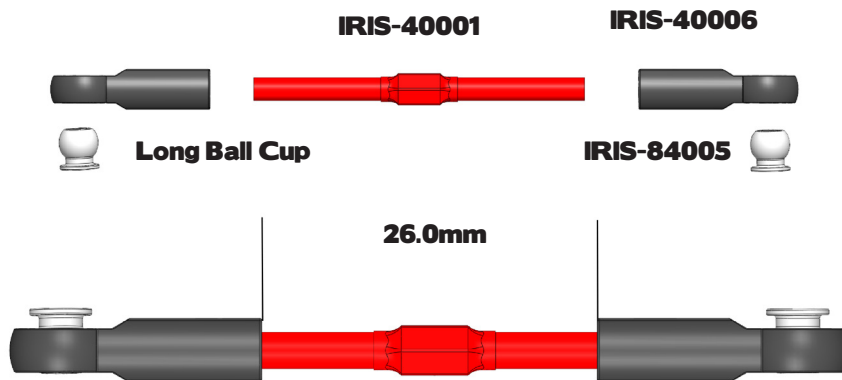
9.1

SERVO LINK



9.2

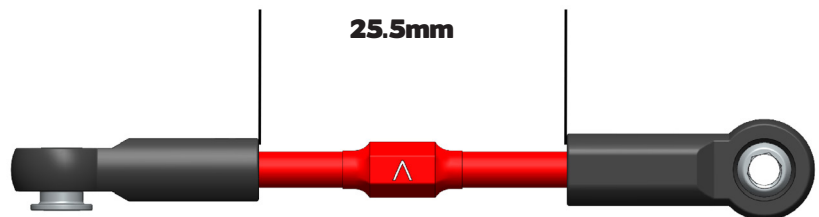
FRONT LINK



Build this step twice!

9.3

REAR LINKS



Build this step twice!

9.4

SHOCK ROCKER BALLCUP



Build this step 4 times!



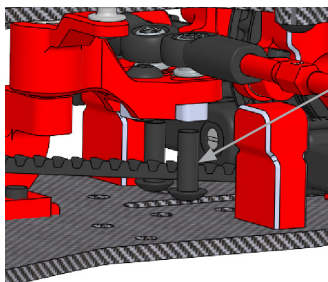
IRIS-84005

9.5

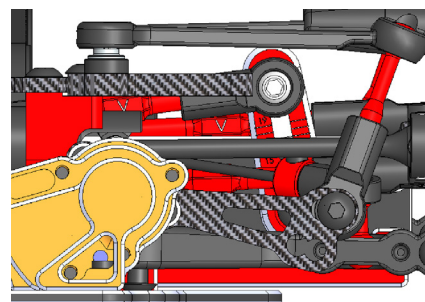
MOUNTING OF FRONT LINKS

x5
M3x6mm
Button Head Screw

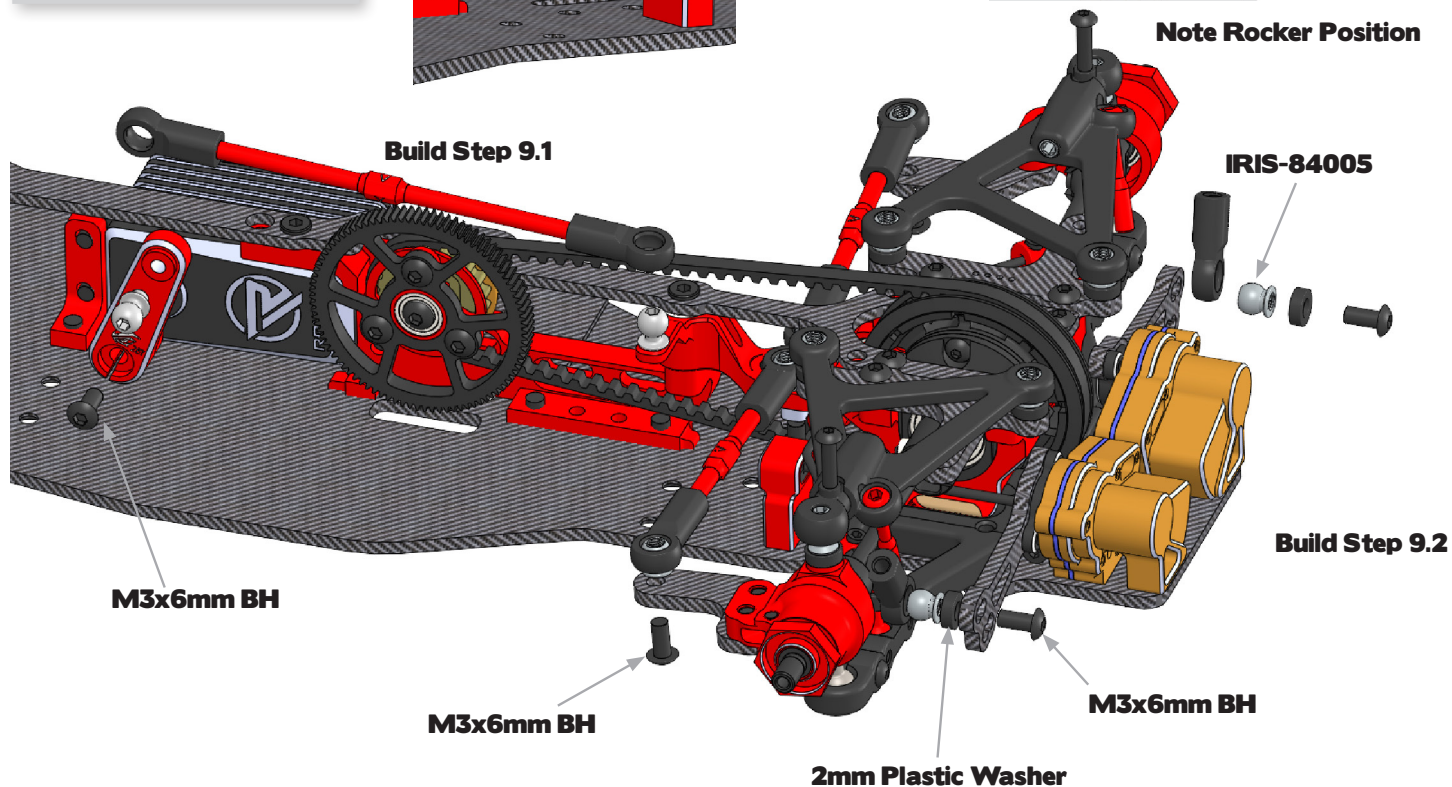
x2
M3x8mm
Button Head Screw

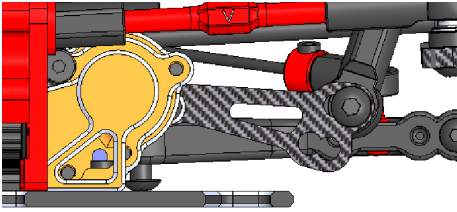


M3x8mm BH



Note Rocker Position





Note Rocker Position

9.6

MOUNTING OF REAR LINKS

Build Step 9.4

x4
M3x6mm
Button Head Screw

x2
M3x6mm
Countersunk Screw

M3x6mm BH

2mm Plastic Washer

10.1

FRONT BUMPER

M3x8mm CS

IRIS-70000

x6
M3x8mm
Countersunk Screw

IRIS-23001

M3x8mm CS

IRIS-23000

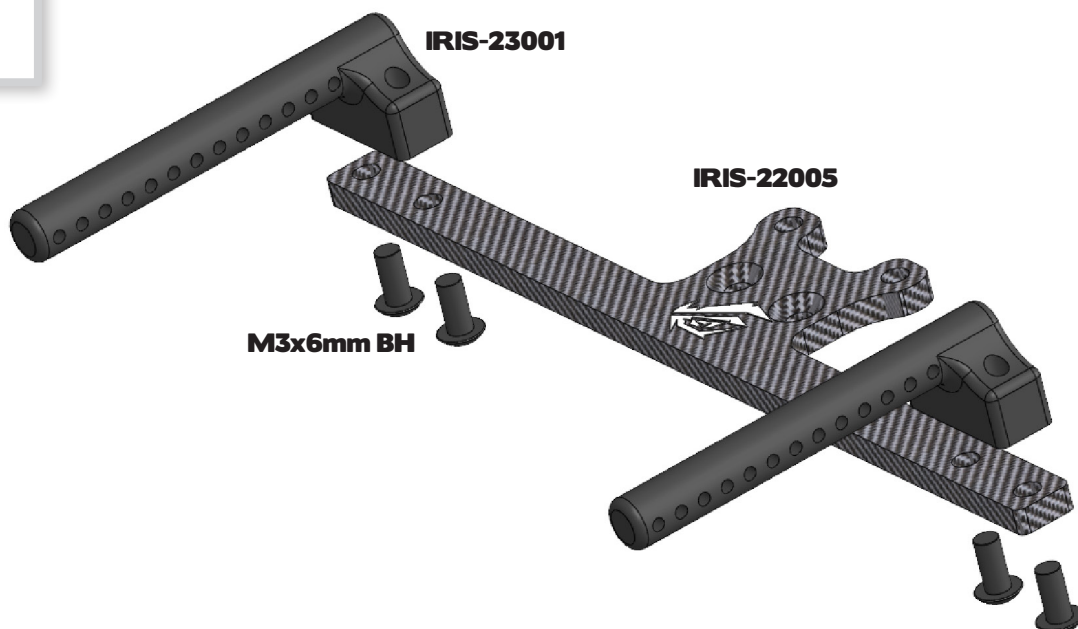
IRIS-85013

IRIS-21021

10.2

REAR BODY MOUNT

x4
M3x6mm
Button Head Screw



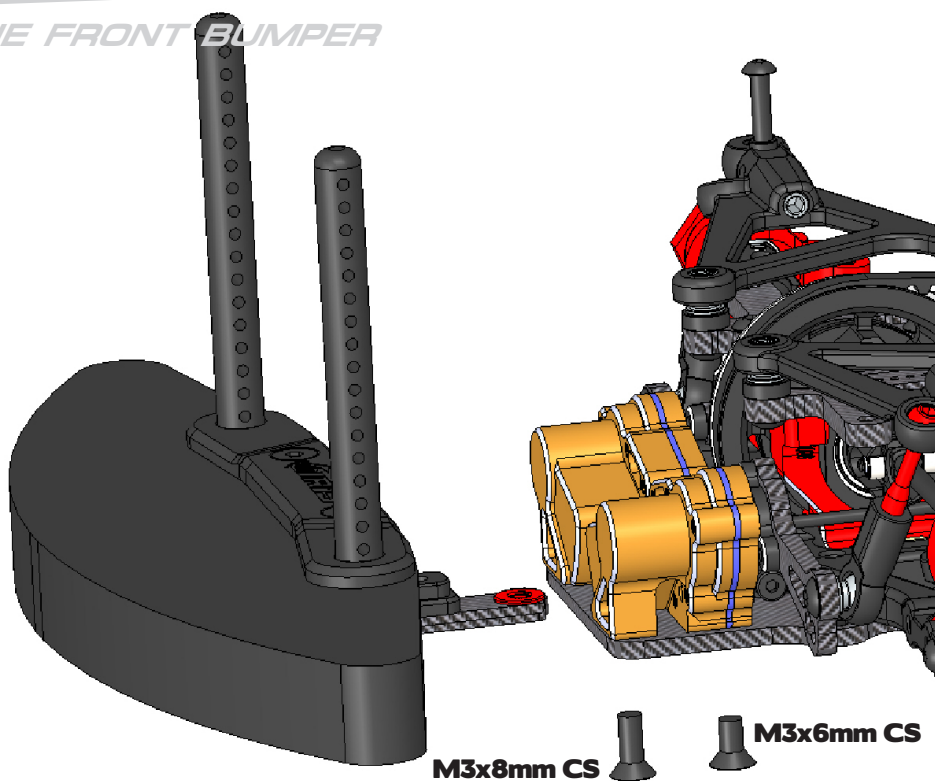
10.3

MOUNTING THE FRONT BUMPER

x1
M3x6mm
Countersunk Screw

x1
M3x8mm
Countersunk Screw

Build Step 10.1



10.4

MOUNTING OF THE REAR BODY

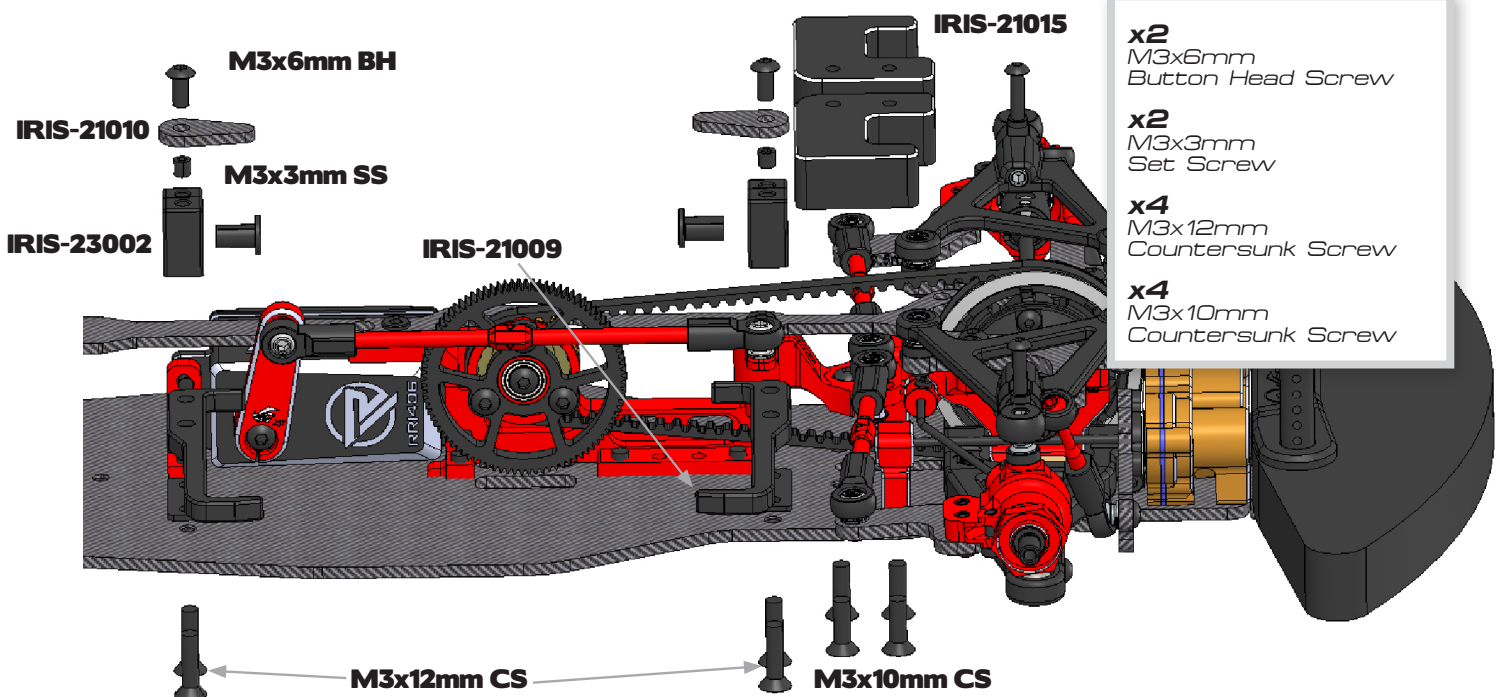
x2
M3x6mm
Button Head Screw

M3x6mm BH

Build Step 10.2

10.5

INSTALL BATTERY MOUNT AND WEIGHTS



IRIS

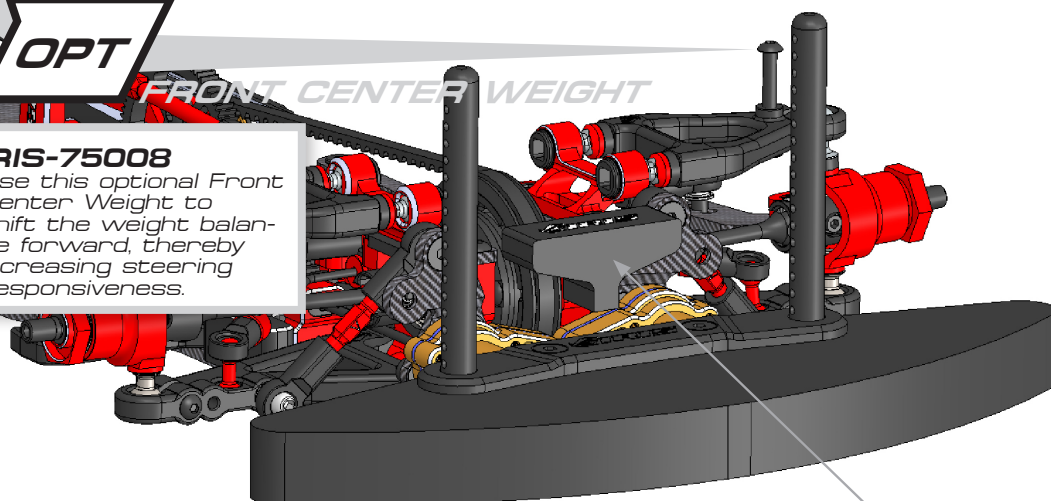
OPTION PARTS

OPT

FRONT CENTER WEIGHT

IRIS-75008

Use this optional Front Center Weight to shift the weight balance forward, thereby increasing steering responsiveness.



M3x12mm CS

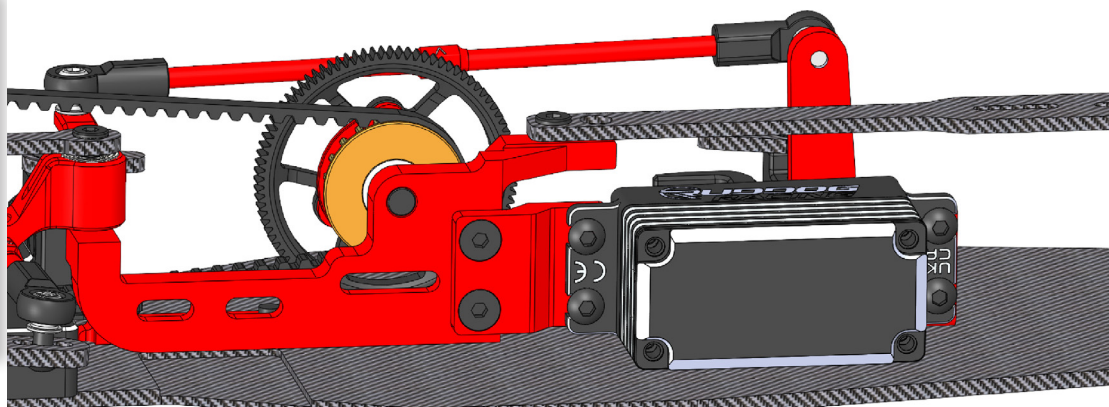
IRIS-75008

OPT

+15MM SERVO MOUNT SET

IRIS-75006

This set repositions the servo 15mm further back, allowing you to mount a large speed controller, such as the Hobbywing Xerun XR10 Justock, directly behind the motor. Depending on the size and weight of the battery used, this adjustment can improve the weight balance of the ONE.05 FWD.

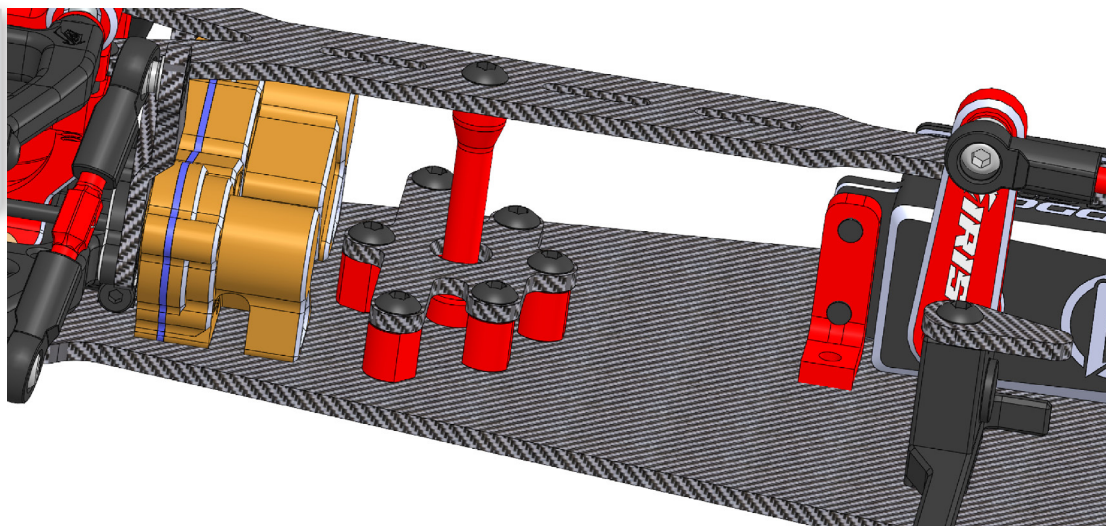


OPT

REAR CHASSIS STIFFENER SET

IRIS-22008

The Rear Chassis Stiffener reduces the overall flex of the chassis. This optional part is recommended for use on high-grip tracks.



OPT

ALUMINIUM DIFFERENTIAL COVER

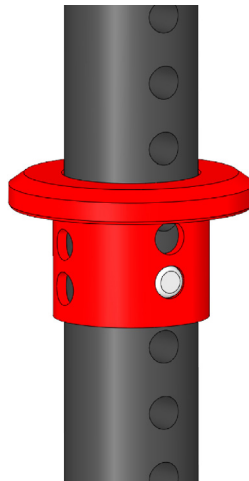


IRIS-32010

The Aluminum Differential Cover not only adds aesthetic appeal, but it also enhances the sealing and consistency of your differential.

OPT

BODY POST HEIGHT ADJUSTMENT



IRIS-75000

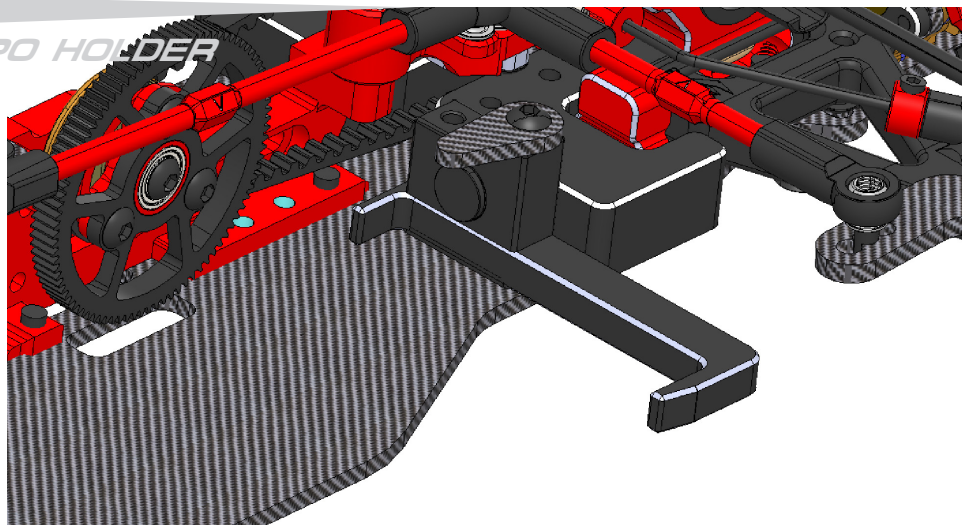
The Body Post Height Adjustment Set enables you to easily modify the body height while also enhancing the appearance of your car.

OPT

STEEL LIPO HOLDER

IRIS-75005

The Steel Lip Holder allows you to add extra weight to the front of the car, shifting the weight bias further forward.

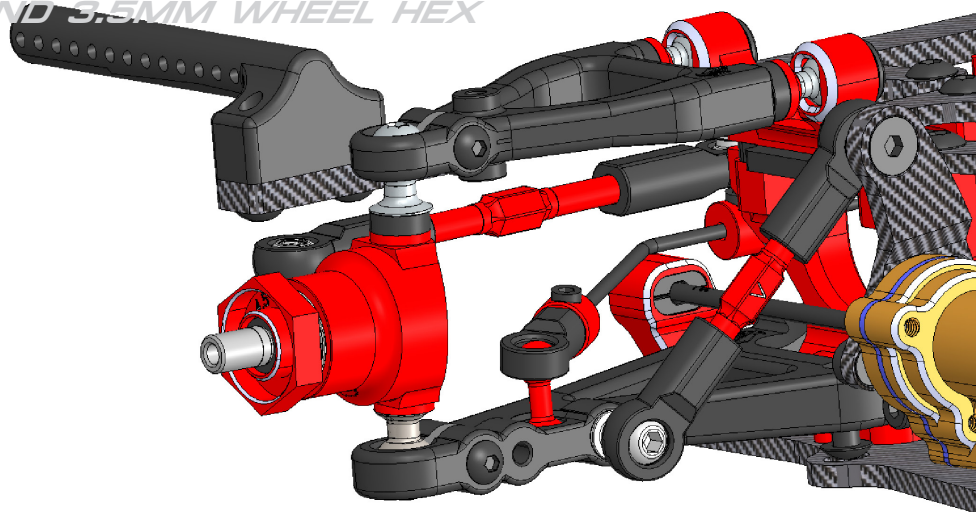


OPT

4.5MM AND 3.5MM WHEEL HEX

IRIS-30013 IRIS-30014

The 3.5mm and 4.5mm Wheel Hexes for the Iris One allow you to easily adjust the track width according to your needs. These changes have a significant impact on how your car behaves during corner entry and exit.

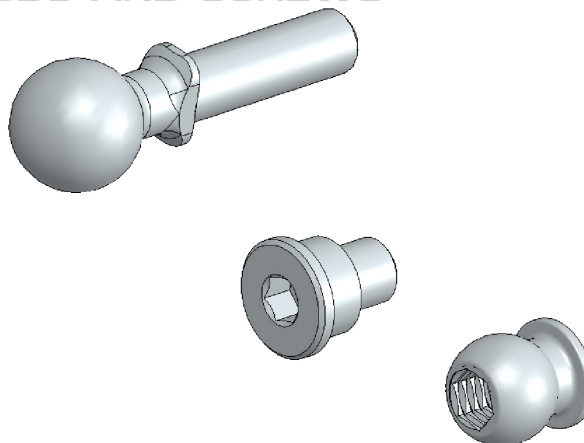


OPT

TITANIUM BALLSTUDS AND SCREWS

IRIS-84006- IRIS-84011

An easy way to reduce the weight of your Iris ONE is by using our line of titanium ball studs and screws, specifically designed for the Iris ONE.



GEAR UP, SPEED UP:

CHOOSE RUDDOG FOR YOUR IRIS ONE.2.



1/10 TOURING TIRE
HEATING SYSTEM



HD LIPO
CHARGING BAG



RSS65 SOLDERING
STATION 65W



CAR BAG - 1/10
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