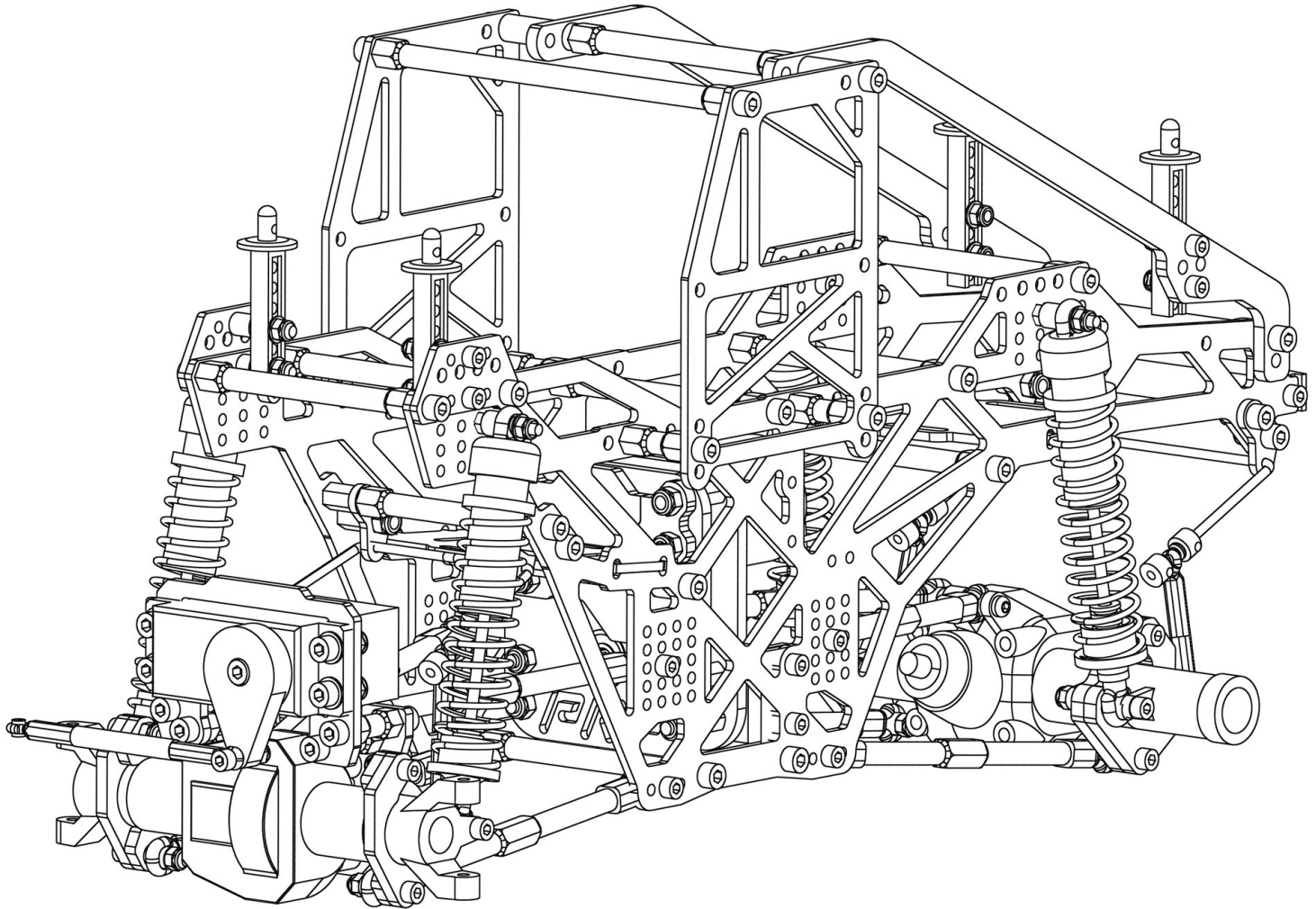


FCR12

Associated MT12

Monster Truck Chassis Conversion Kit



Instruction manual (beta)

TEAM PRP

01

1-2. Press inner front axle clamps onto axles between the axle tabs and rest them against the inner axle tab. 3-4. Press outer front axle clamps onto axles and position them on the outside of the inner axle clamps and align mounting holes. 5-6. Rotate clamps for easier hardware install.

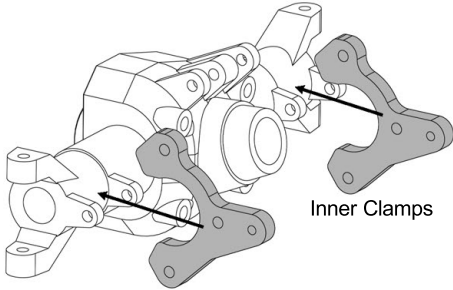


M2.5
Locknut x2



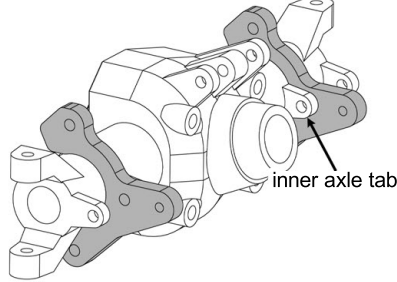
M2.5x10mm
Cap Head x2

1.



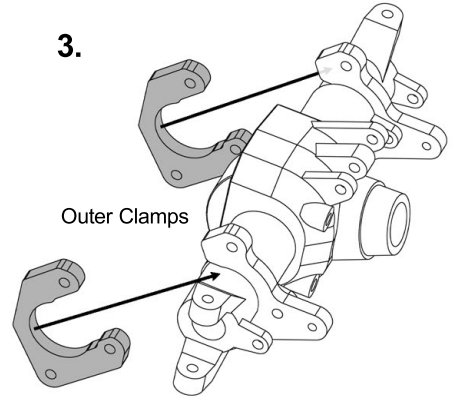
Inner Clamps

2.



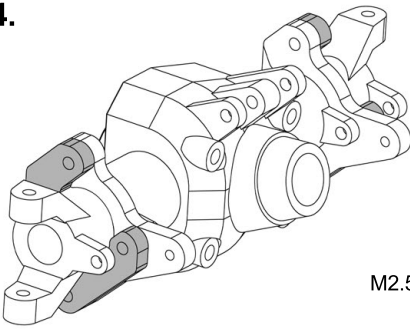
inner axle tab

3.

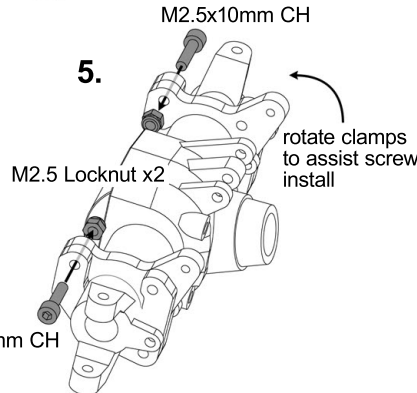


Outer Clamps

4.



5.



M2.5x10mm CH

M2.5 Locknut x2

rotate clamps
to assist screw
install

M2.5x10mm CH

WARNING!

My line renders do not show wheel axles and shafts. Make sure your axles are built with internal hardware before proceeding.

NOTE:

You may leave the front clamps in this rotated position to help with lower link install in Step 3.

02

1. Attach stock MT12 front upper links with MT12 kit screw.
2. Assemble servo mount.
3. Install servo mount onto front axle.

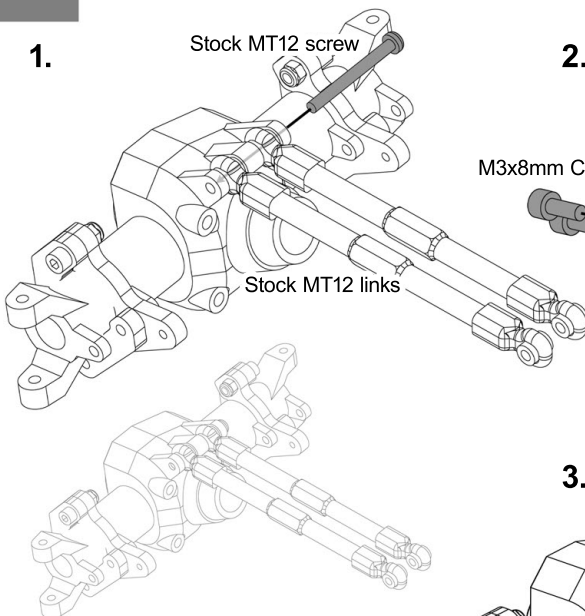


M3x25mm
Cap Head x4



M3x8mm
Cap Head x8

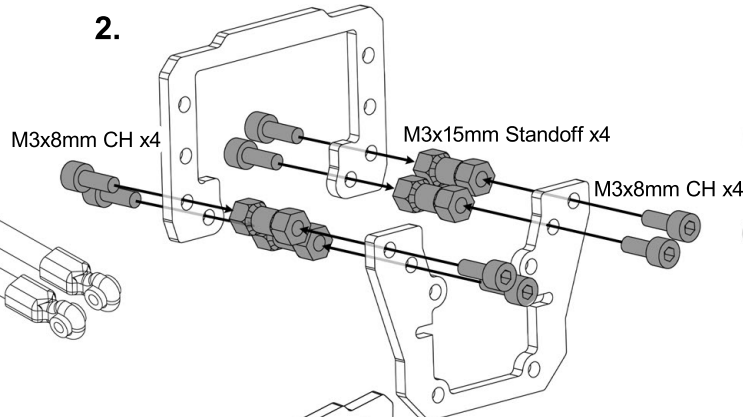
1.



Stock MT12 screw

Stock MT12 links

2.

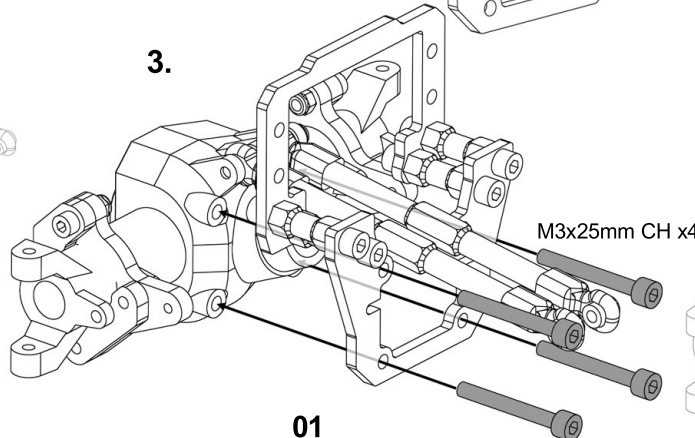


M3x8mm CH x4

M3x15mm Standoff x4

M3x8mm CH x4

3.

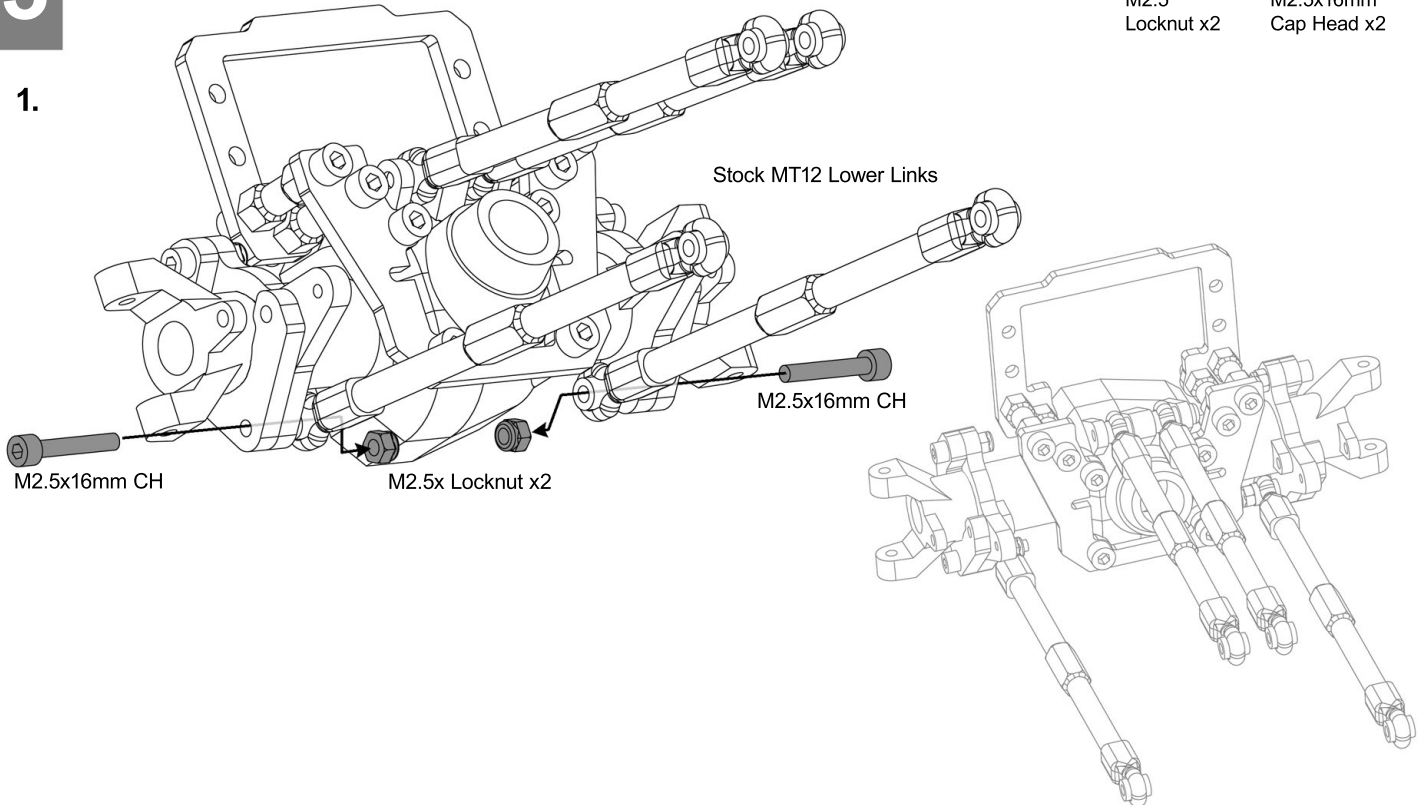


M3x25mm CH x4

03

1. Attach lower links to the front axle.

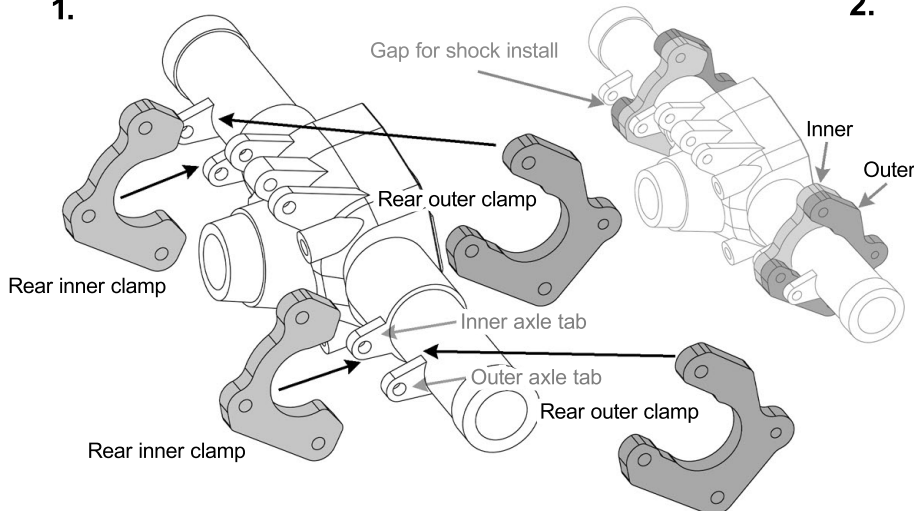
1.



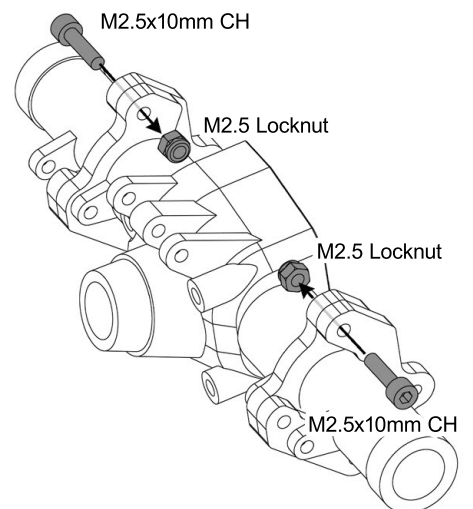
04

1. Press inner rear axle clamps onto rear axles between the axle tabs and rest them against the inner axle tab. Then press outer rear axle clamps onto axles and position them on the outside of the inner axle clamps and align mounting holes. 2. Bolt the top of the axle clamps together.

1.



2.



M2.5 Locknut x2

M2.5x10mm Cap Head x2

05

1. Attach the stock MT12 upper and lower links to the rear axle.

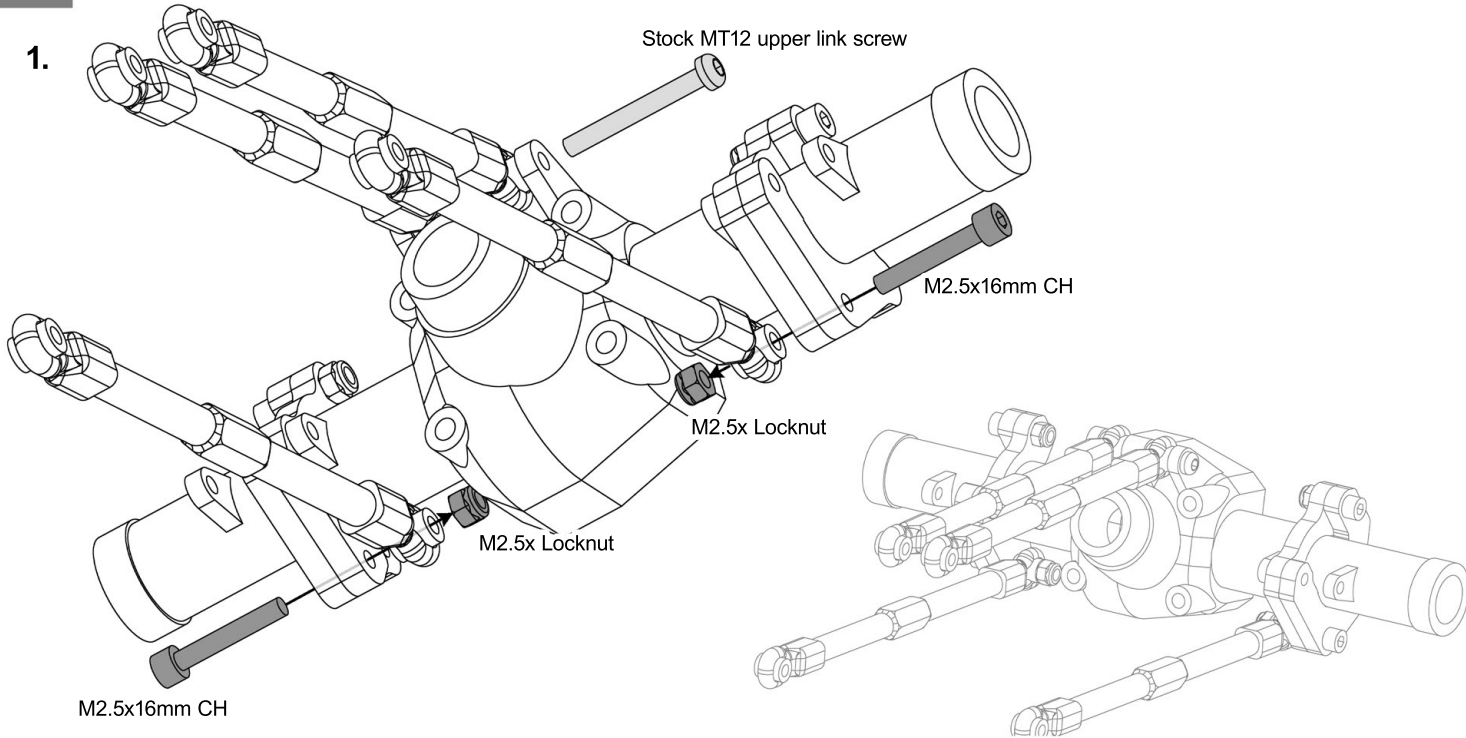


M2.5
Locknut x2



M2.5x16mm
Cap Head x2

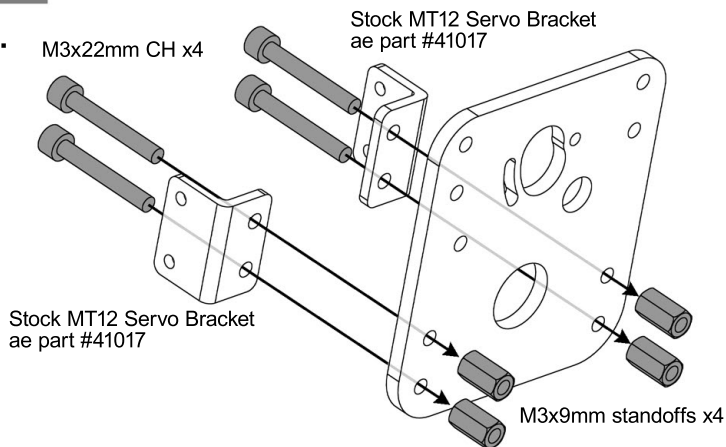
1.



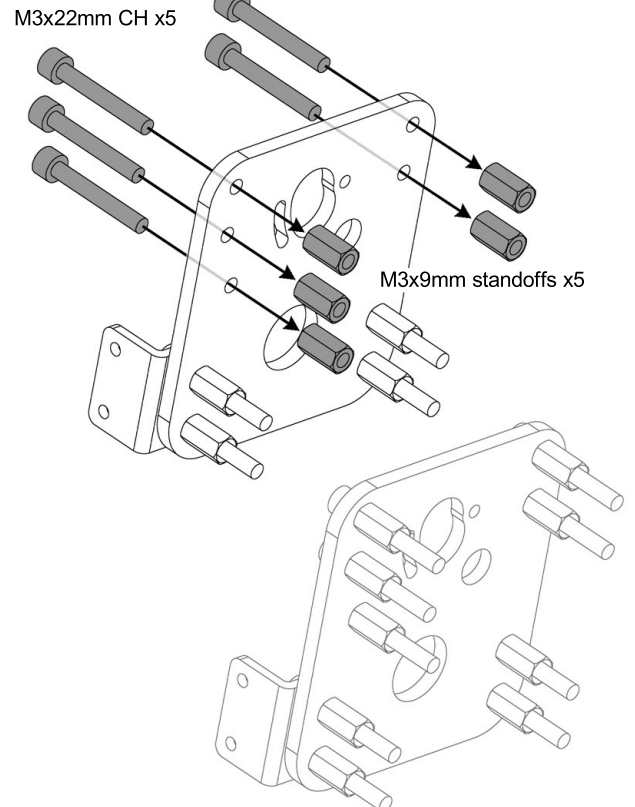
06

Transmission assembly.

1.

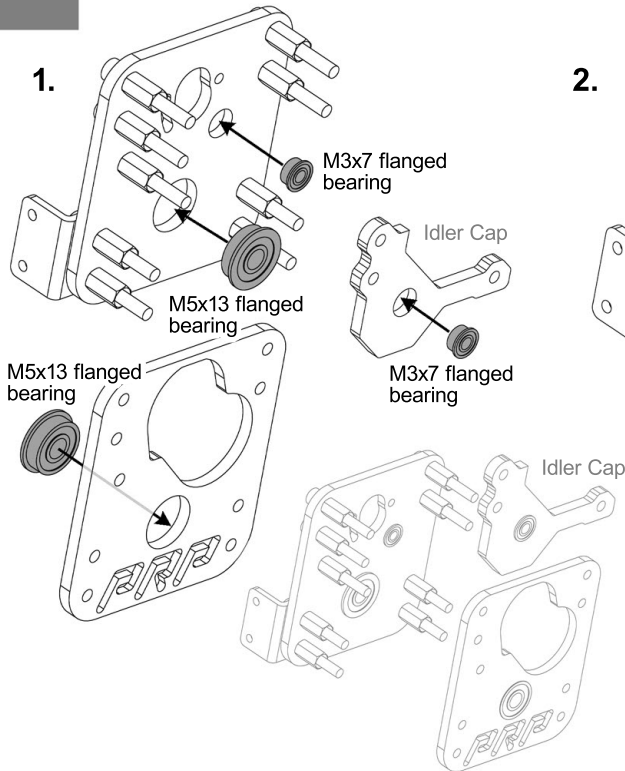


2.

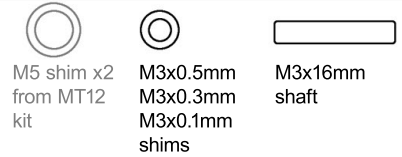
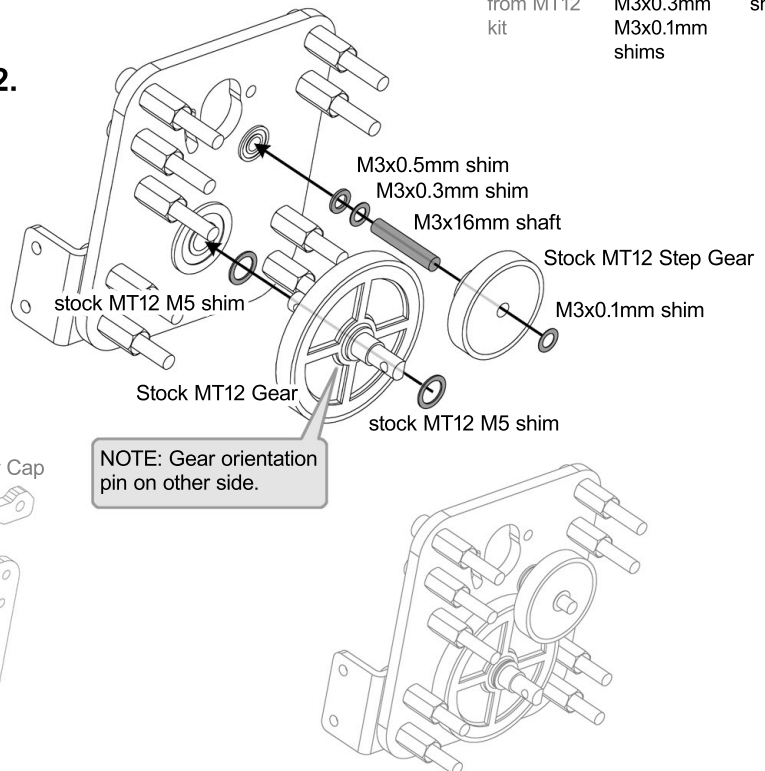


07

1. Press in bearings making certain they are fully seated.
2. Place stock MT12 gears into position. M3x16mm Shaft may fit tightly into bearings.

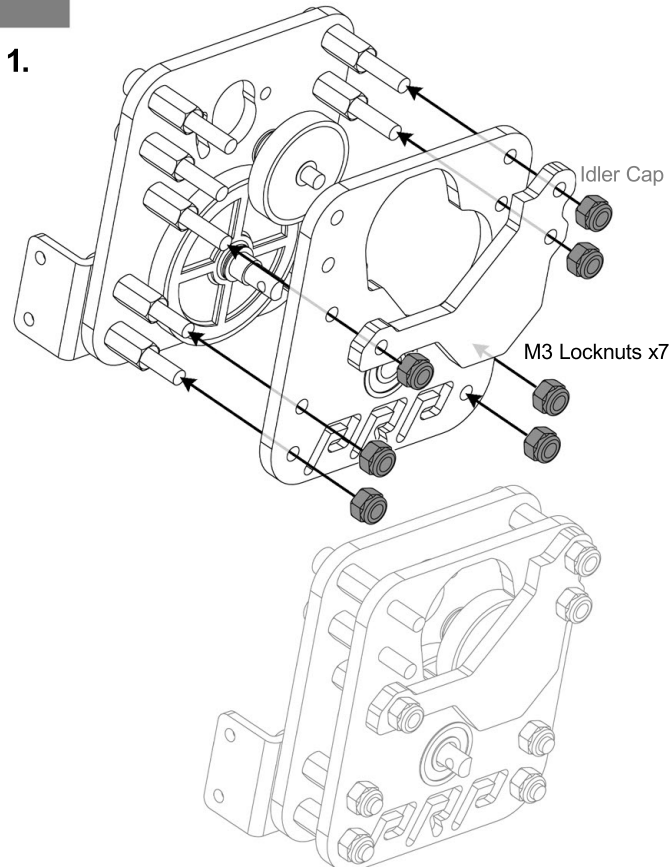


2.

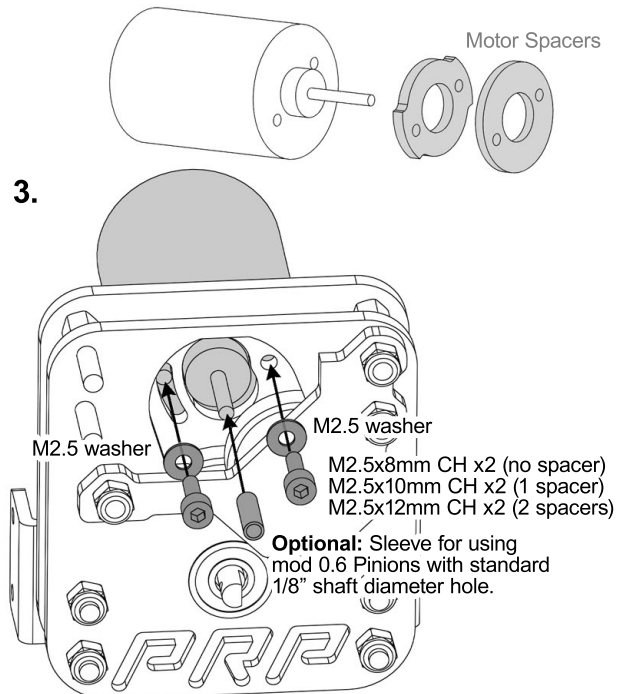


08

1. Carefully press transmission half and **idler cap** into place securing with locknuts.
- 2-3. Install Motor.

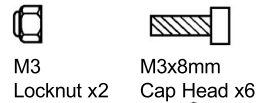


2. The stock MT12 motor requires both spacers. Other motors may require 1 or none depending on shaft length.

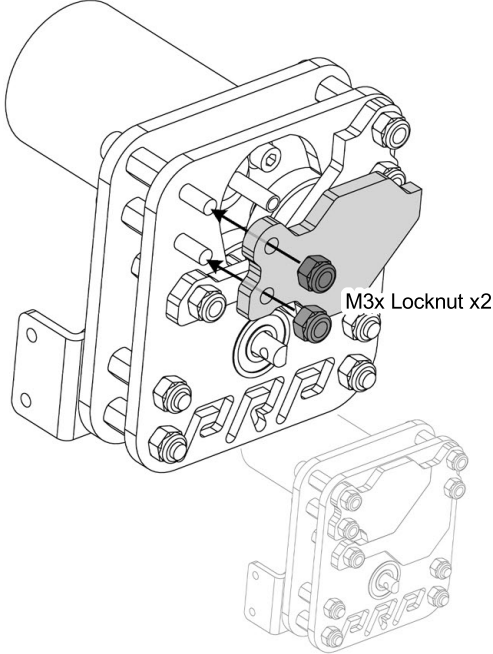


09

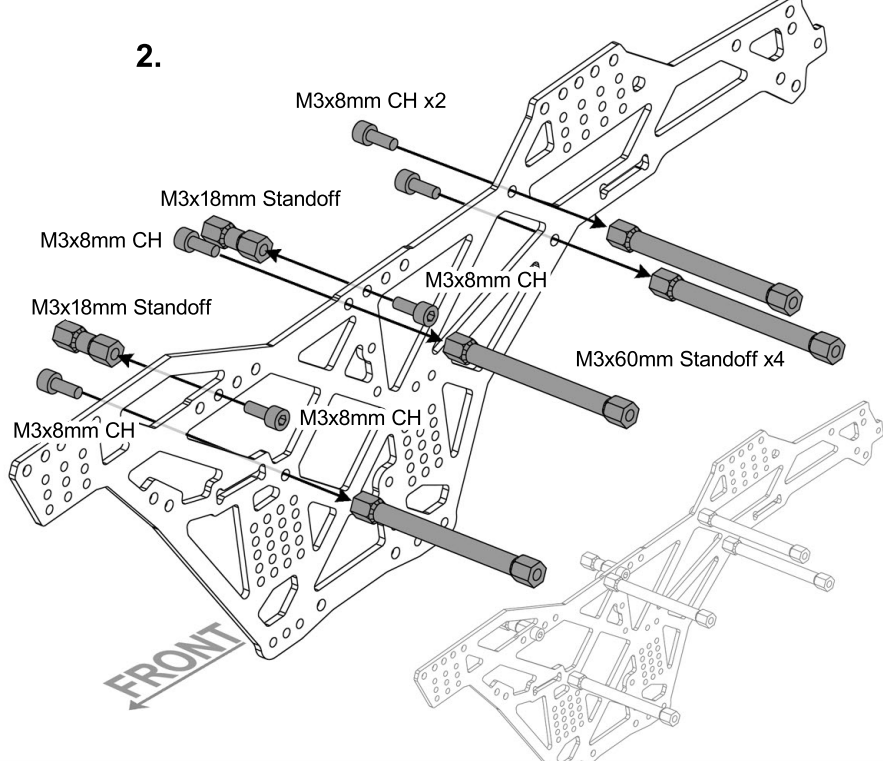
1. Attach mod 0.6 pinion gear. I don't need to show you how to install a pinion gear do I? ;) Then attach the motor access cap.
2. Attach hardware to the main chassis plate. This will now be the **right** side chassis plate.



1. Attach Mod 0.6 pinion of choice. Set proper gear mesh then attach motor cap.

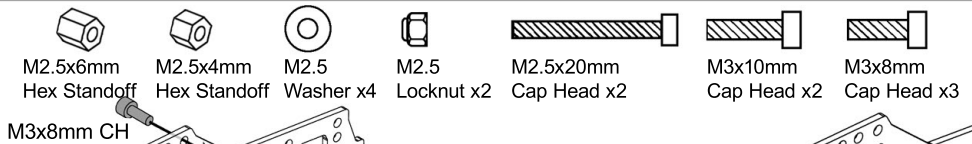


2.

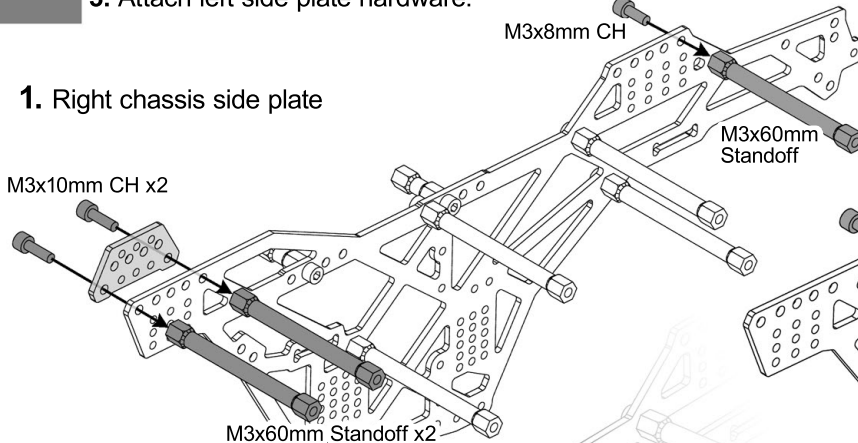


10

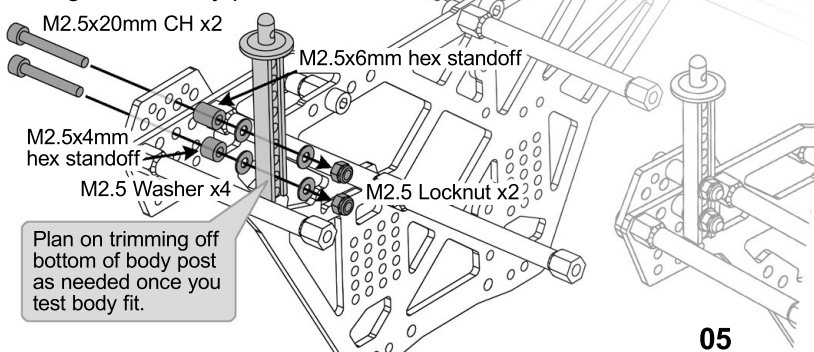
1. Attach body post riser and rear standoff to the right side plate.
2. Attach stock MT12 body post.
3. Attach left side plate hardware.



1. Right chassis side plate

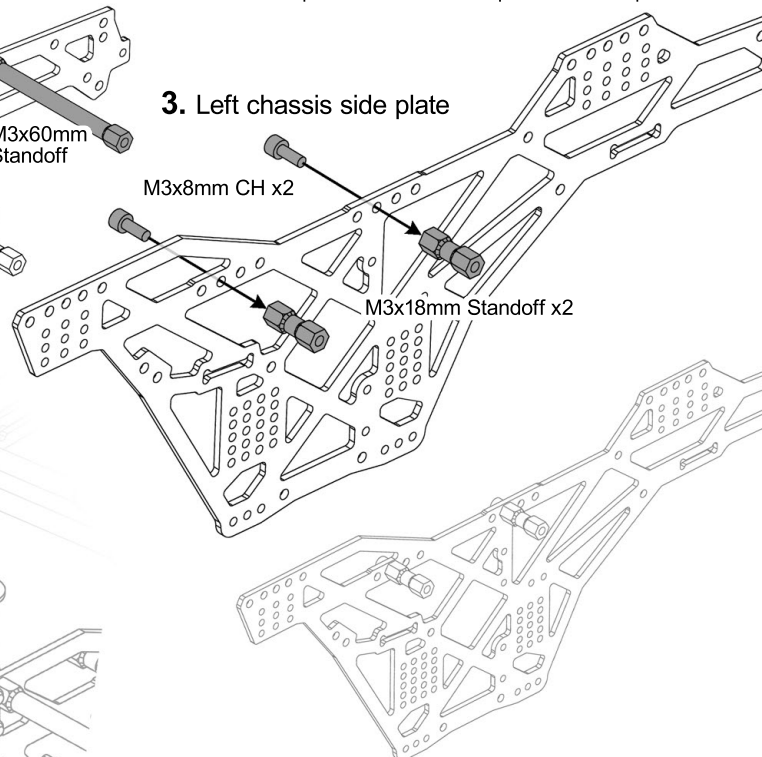


2. Right front body post



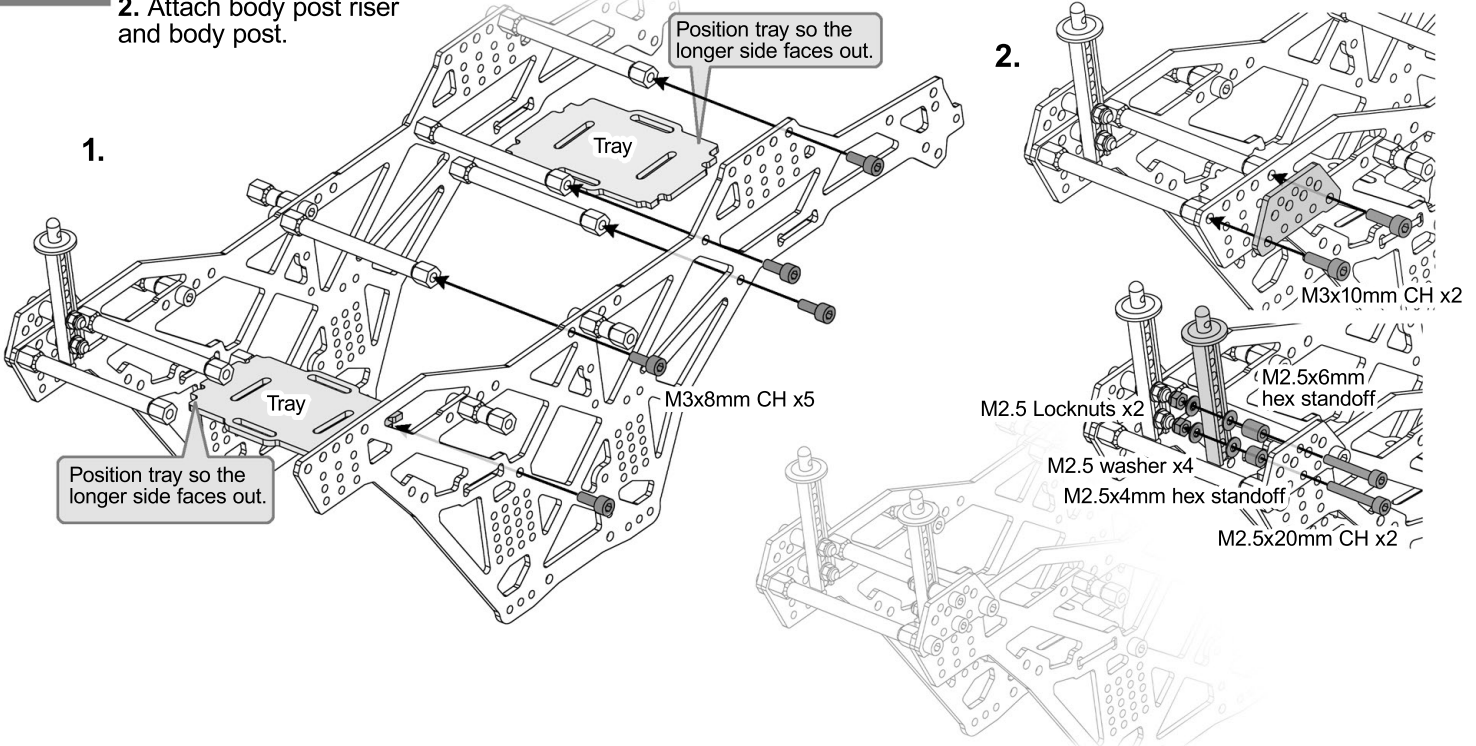
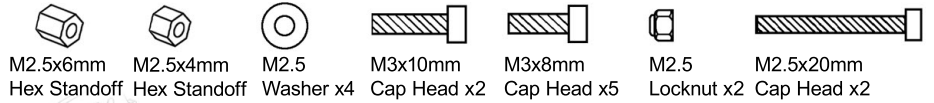
Plan on trimming off bottom of body post as needed once you test body fit.

3. Left chassis side plate



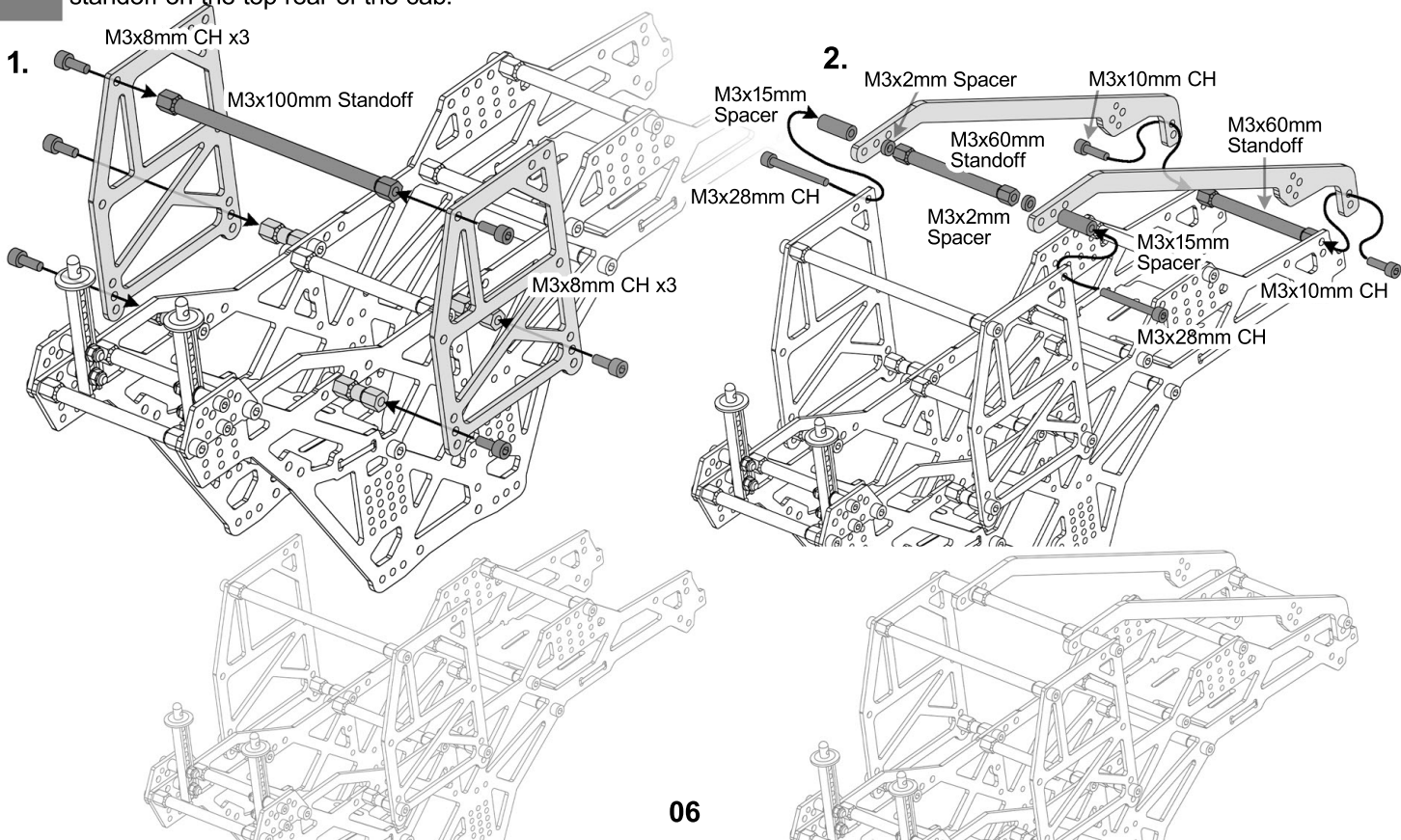
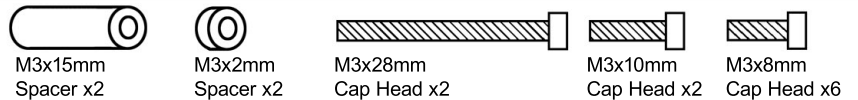
11

1. Carefully push **both trays** into the right side plate and then secure left side plate into place making certain the trays slide into the chassis slots.
2. Attach body post riser and body post.



12

1. Assemble upper cab section.
2. Attach roll bars. Optional: To run without roll bars attach another 100mm standoff on the top rear of the cab.



13

1. Attach rear body posts and stock MT12 chassis brace.
2. Slide transmission into chassis from the bottom. Motor sticks out towards the rear.

1.

stock MT12 body posts

M2.5 Washer x4

M2.5x12mm CH x2

M2.5 Locknut x4

M2.5x12mm CH x2

M2.5x8mm CH

M2.5x8mm CH

stock MT12 chassis brace
(not exact representation)

Plan on trimming off bottom of body posts as needed once you test body fit.

2.

FRONT

M2.5x10mm CH x2

M2.5x10mm CH x2

Stock MT12 servo mount "dual nuts" x2
ae part #41017

M2.5 Washer x4

M2.5 Locknut x4

M2.5x12mm Cap Head x4

M2.5x10mm Cap Head x2

14

Build front sway bar

M3x8mm M/F Standoff x4

Front sway bar "Narrow bar" (not to scale)

M2 Collar x4

M2 O-ring x4

M2x16mm set screw x2

M3 Locknut x2

M3x6mm Cap Head x4

1. Build left and right.

2.

3.

4. Build 2

M3x8mm M/F Standoff

M3 Locknut x2

M3x8mm M/F Standoff

5.

6.

M3x6mm CH x2

M3x6mm CH x2

M3x8mm M/F Standoff

M3x40 mm Standoff

M3x8mm M/F Standoff

M2 Rod End

M2x16mm Set Screw

M2 Rod End

x2

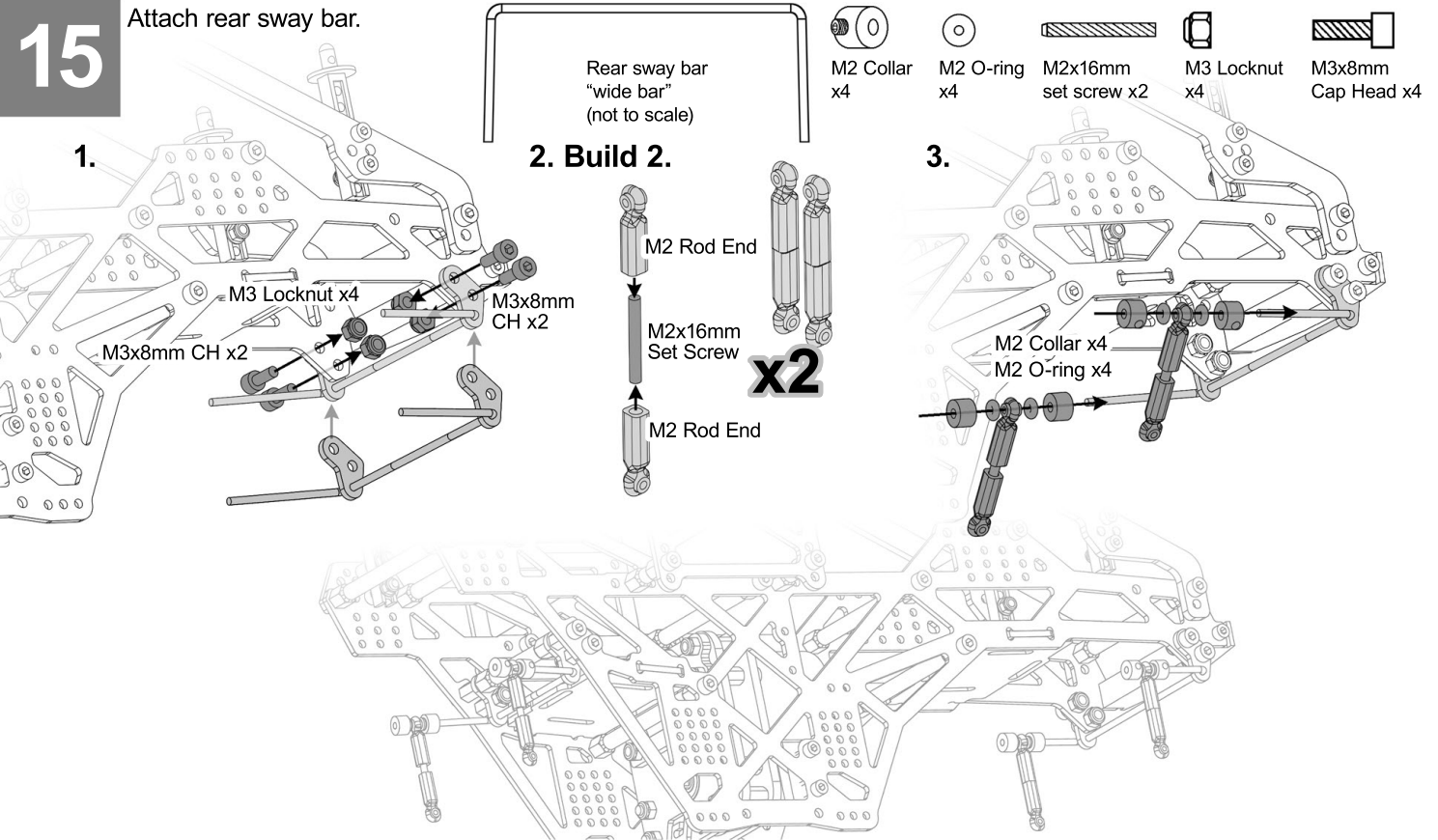
M2 Collar x4

M2 O-ring x4

FRONT

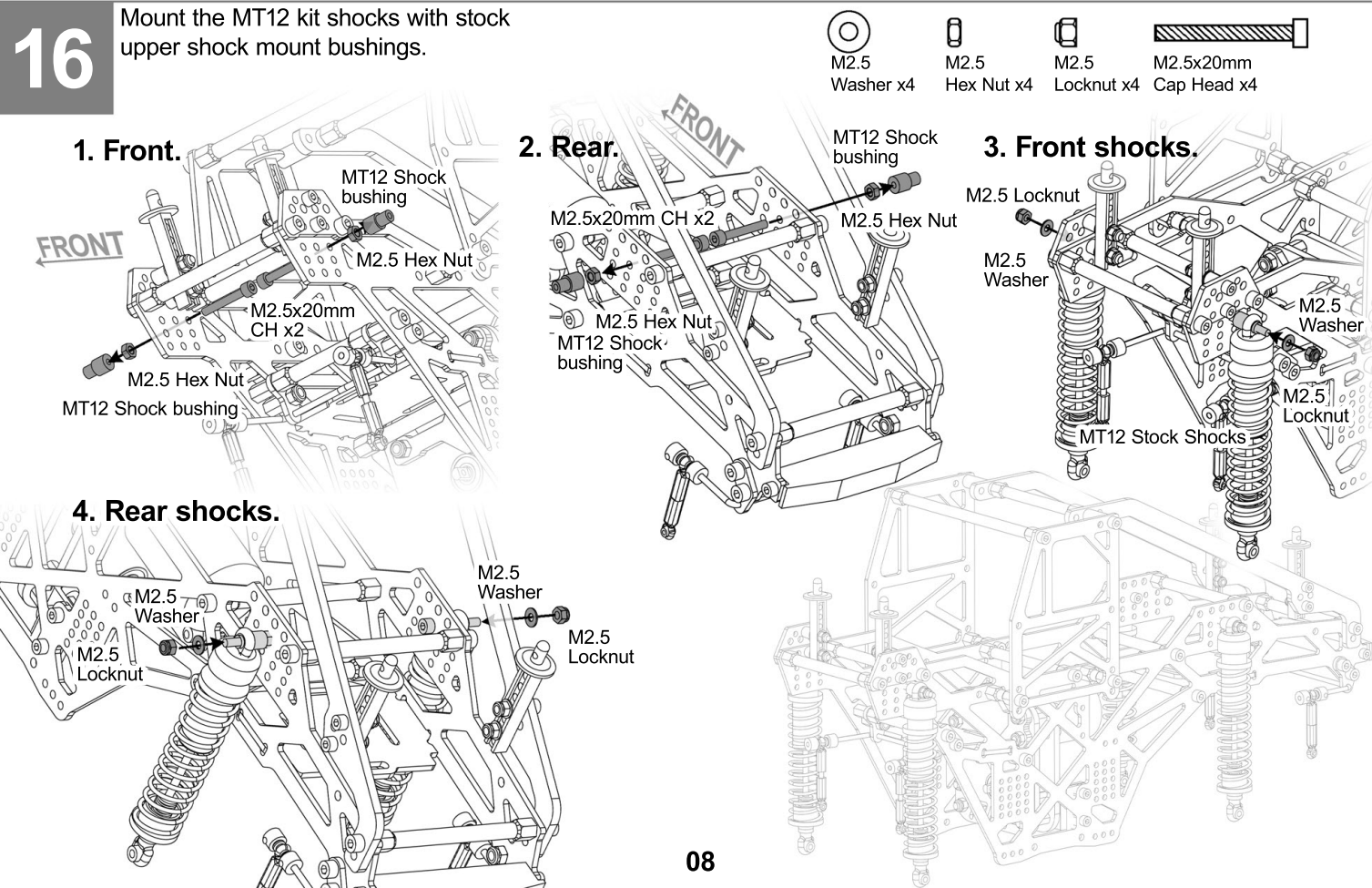
15

Attach rear sway bar.



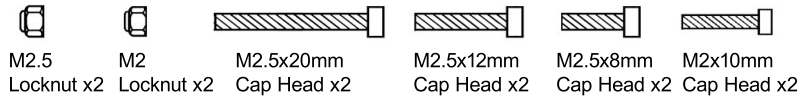
16

Mount the MT12 kit shocks with stock upper shock mount bushings.

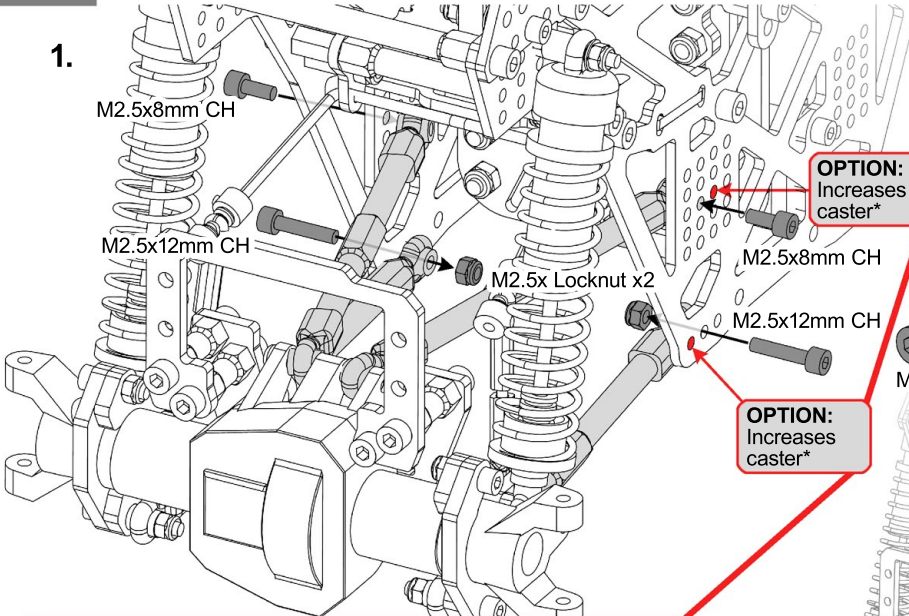


17

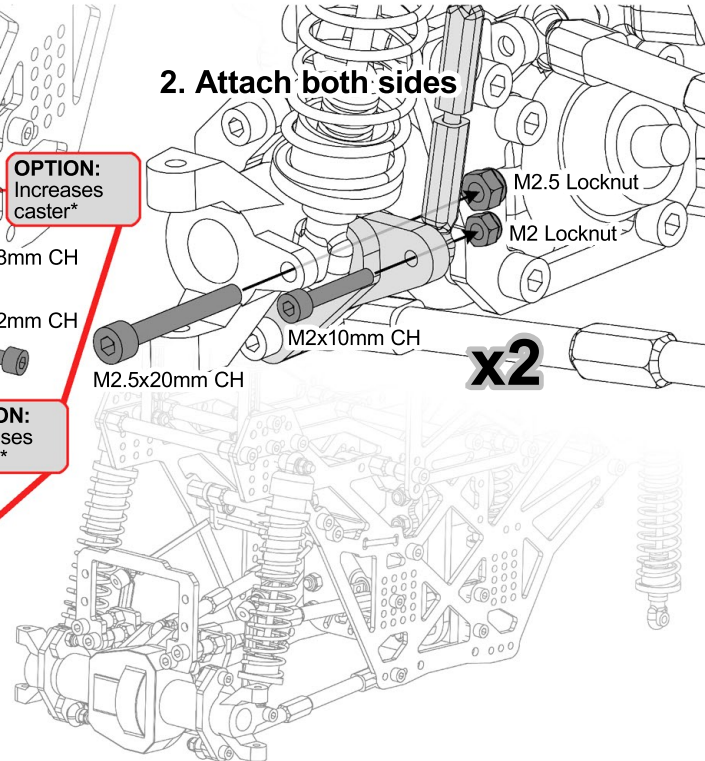
1. Attach the front axle to the chassis.
2. Attach the front shocks and sway bars to the front axle clamps.



1.



2. Attach both sides



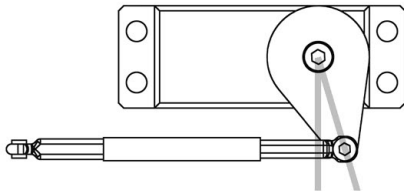
* Caster may be quickly increased by doing **ONE (1)** of the following:
 A. Move **Upper** links in 1 hole. (also reduces wheelbase)
 B. Move **lower** links out 1 hole. (also increases wheelbase)

18

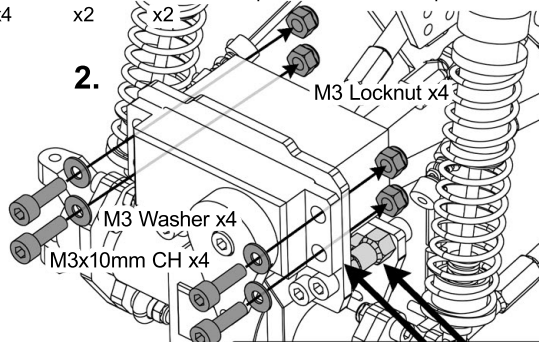
- 1-3. Servo install.
- 4-5. Attach rear axle to chassis, shocks and sway bar.



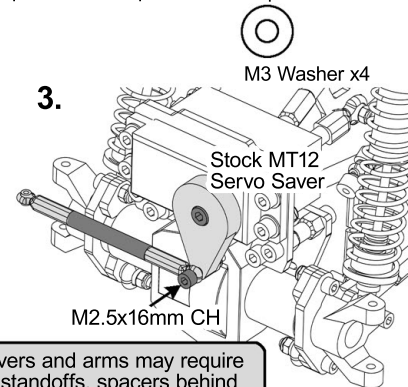
1. Use stock MT12 steering link and rod ends. When steering is centered the servo arm will be slightly angled off center toward the left (driver side) of the truck.



2.

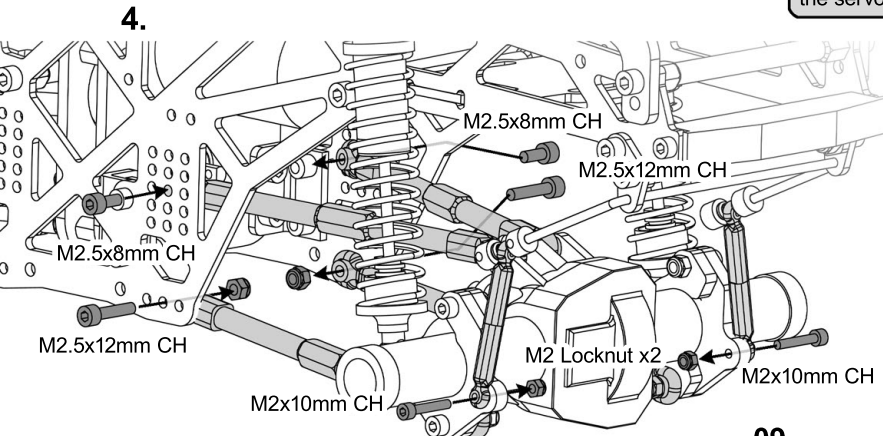


3.

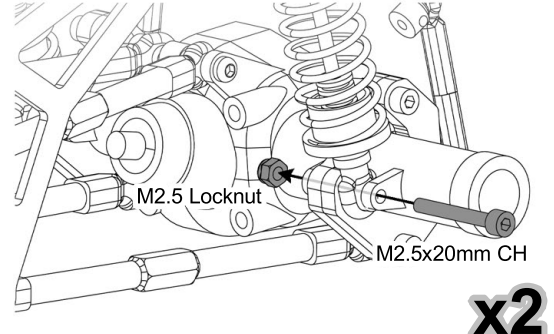


Stock MT12 Servo Saver. Other savers and arms may require adjusting servo spacing with longer standoffs, spacers behind the servo or using the Team PRP CF Servo Spacers.

4.



5. Attach both sides

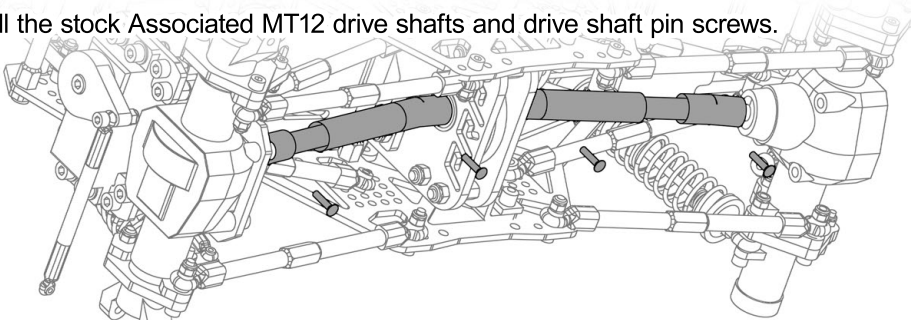




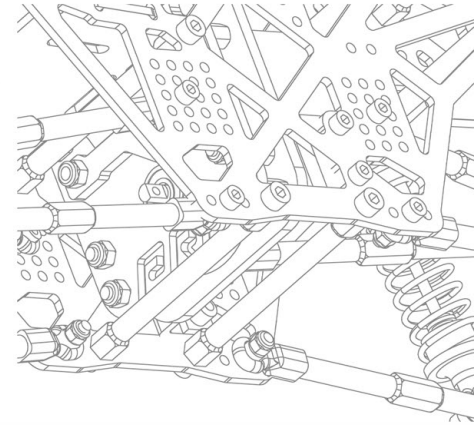
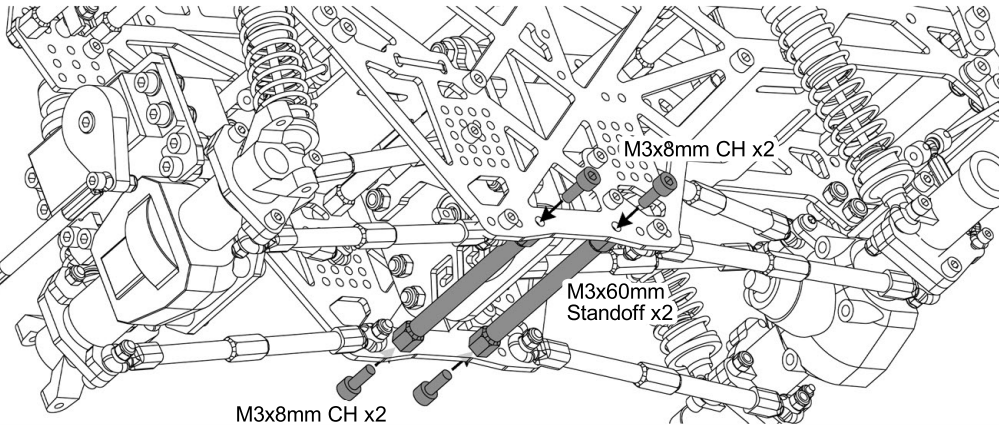
19

1. Install drive shafts from transmission to axles. Consult the MT12 Manual if you need assistance. Shorter wheelbases may require the shafts to be cut down to size.
2. Attach bottom chassis brace standoffs.

1. Install the stock Associated MT12 drive shafts and drive shaft pin screws.



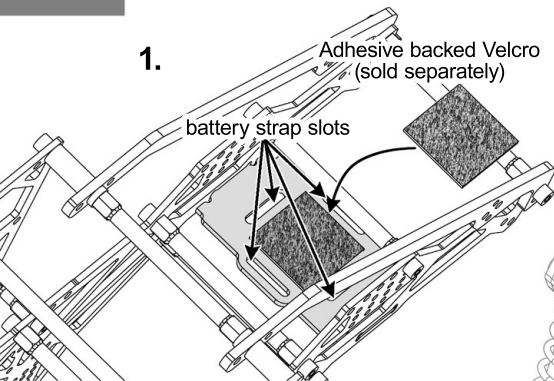
2.



20

1. Hook and loop/Velcro® (not included) recommended for battery mounting along with the stock MT12 battery strap. Apply one side of Velcro to the tray and the other side to the battery.
2. Alternative body mount options.

1.

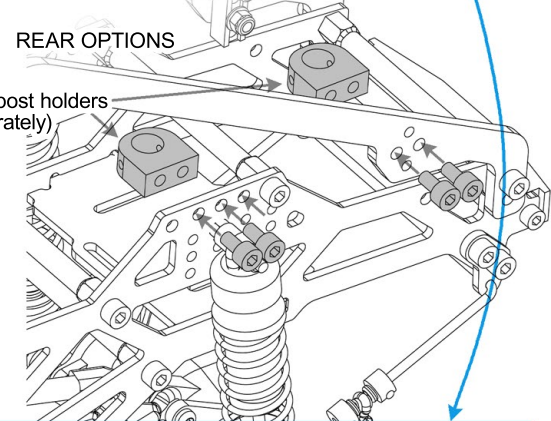
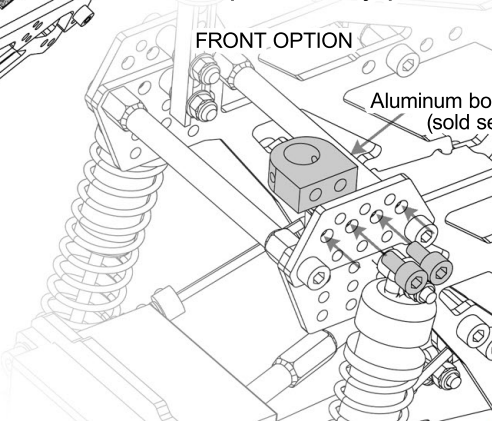


2. Optional body post mount with the use of these aluminum mounts* found on Amazon: <https://a.co/d/7wMnx6O>

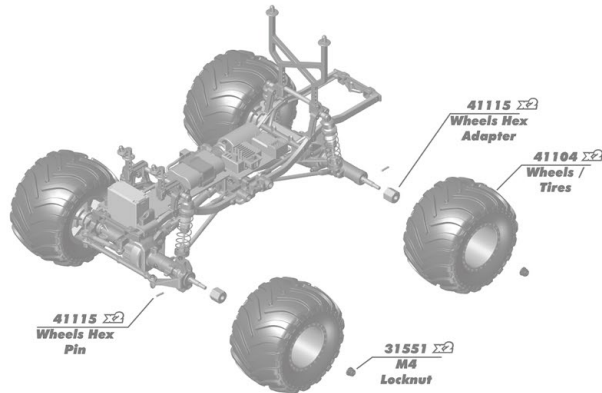
*Requires body posts that fit inside the 6mm hole.

FRONT OPTION

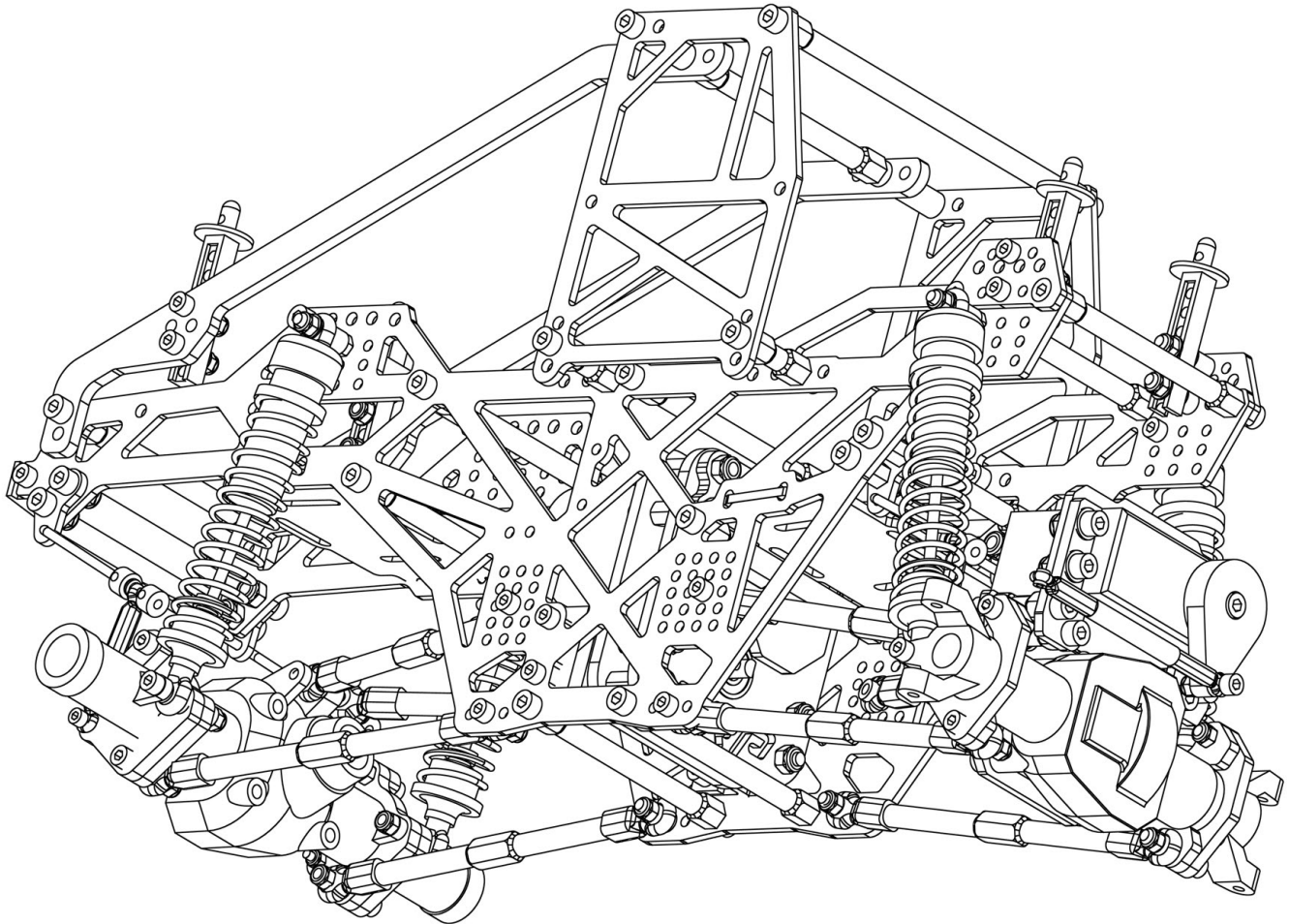
REAR OPTIONS



Complete build by installing the front steering linkage, wheels and tires **following the Associated MT12 manual.**



TIP: DO NOT overtighten the wheel nuts. It causes the stock wheel hexes to bind. To remedy this you may file off a small amount of material from the back of the wheel hex adapter. This is a problem inherent to the stock MT12 and is not caused by the FCR12.



Thank you for building the Team PRP FCR12! Now go out and smash some cars with a real 1/12 scale monster truck!