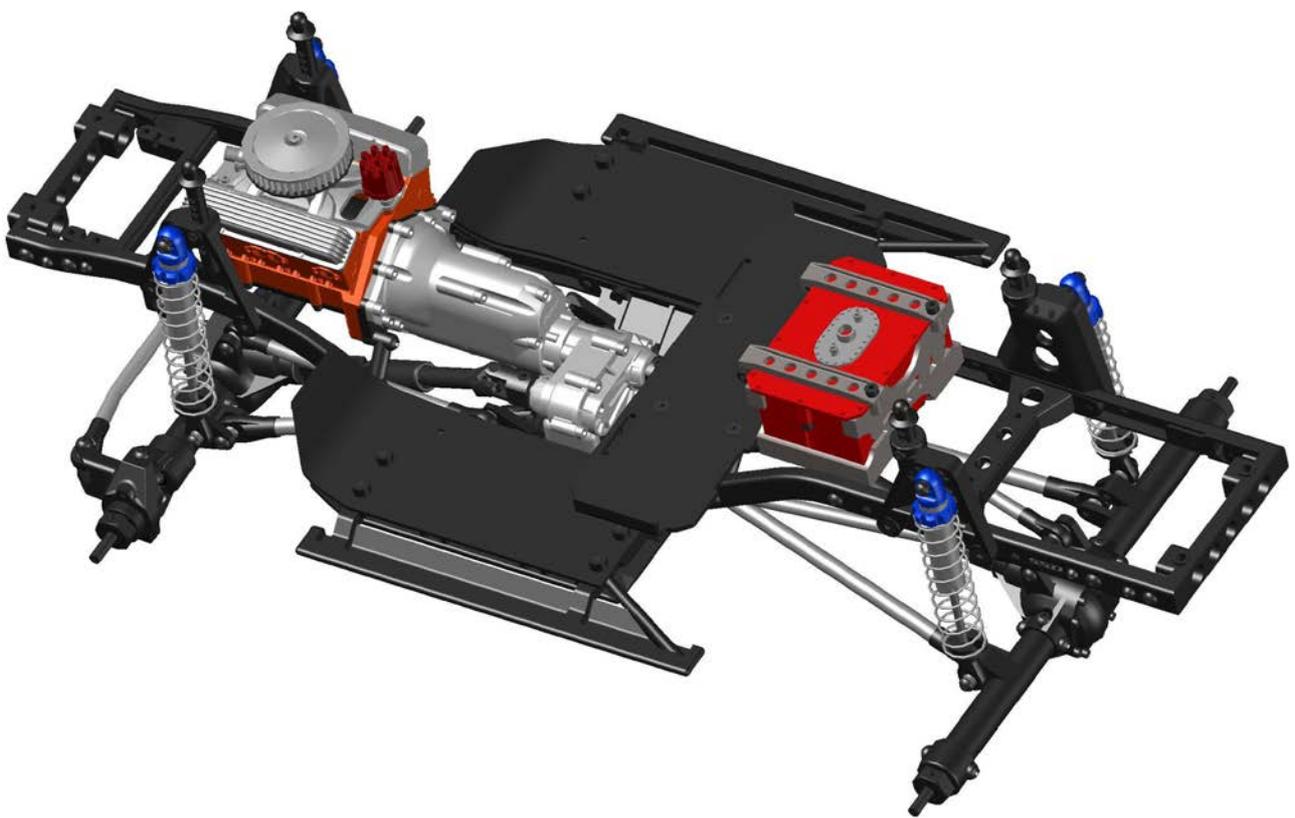


# TRAIL KING

PRO SCALE CHASSIS

1/10 SCALE ELECTRIC 4X4 – BUILDERS KIT



SL70

## Kit Box Contents

Bag A	Rear Axle
Bag B	Front Axle
Bag C	Aluminum Hex set
Bag D	Transmission
Bag E	Titanium Suspension Link set
Bag F	Titanium Steering Link set
Bag G	Transmission Mounts
Bag H	Steel Frame set
Bag J	Plastic Chassis parts
Bag K	Aluminum parts
Bag M	Steel Driveshafts
Bag P	Aluminum Shocks
Bag Q	Aluminum Battery Tray
Bag R	Fuel Cell
Bag S	V8 Engine
Bag T	Hardware

## Tools and items required for assembly:

- 2.0mm hex driver
- 1.5mm hex driver
- Grease
- Shock oil
- Thread lock (blue)
- ABS plastic model glue/cement

## Parts and electronics needed to complete chassis:

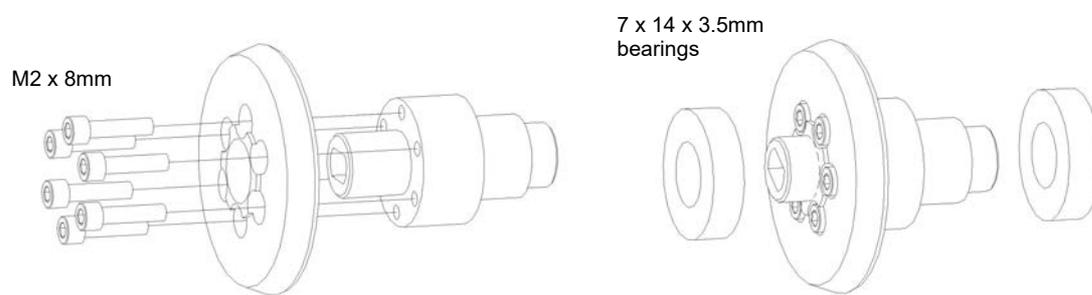
- 540 size electric motor
- Steering servo + servo horn (20mm)
- 1.9" Wheels
- 1.9" Tires
- Body (313mm wheelbase)
- Bumpers (SCX10 II compatible)
- Electronic speed controller
- Transmitter & receiver
- Battery

## Assembly Tips

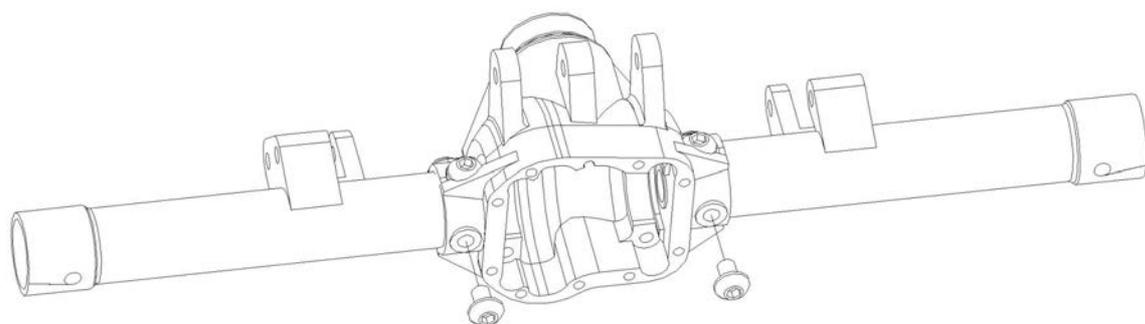
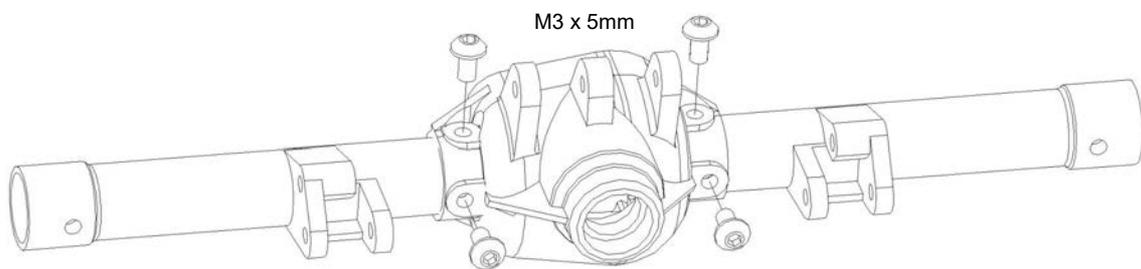
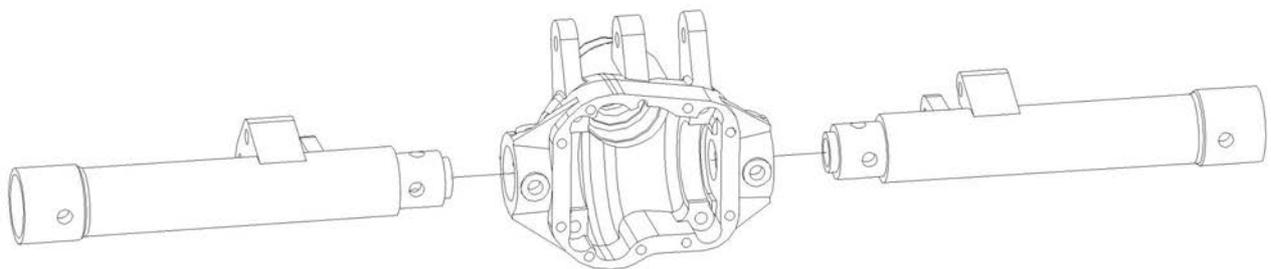
- Use a very small amount of thread lock on metal screws in metal parts
- Grease all gears thoroughly
- Do not over tighten screws into plastic parts

## Open Bag A - Rear Axle

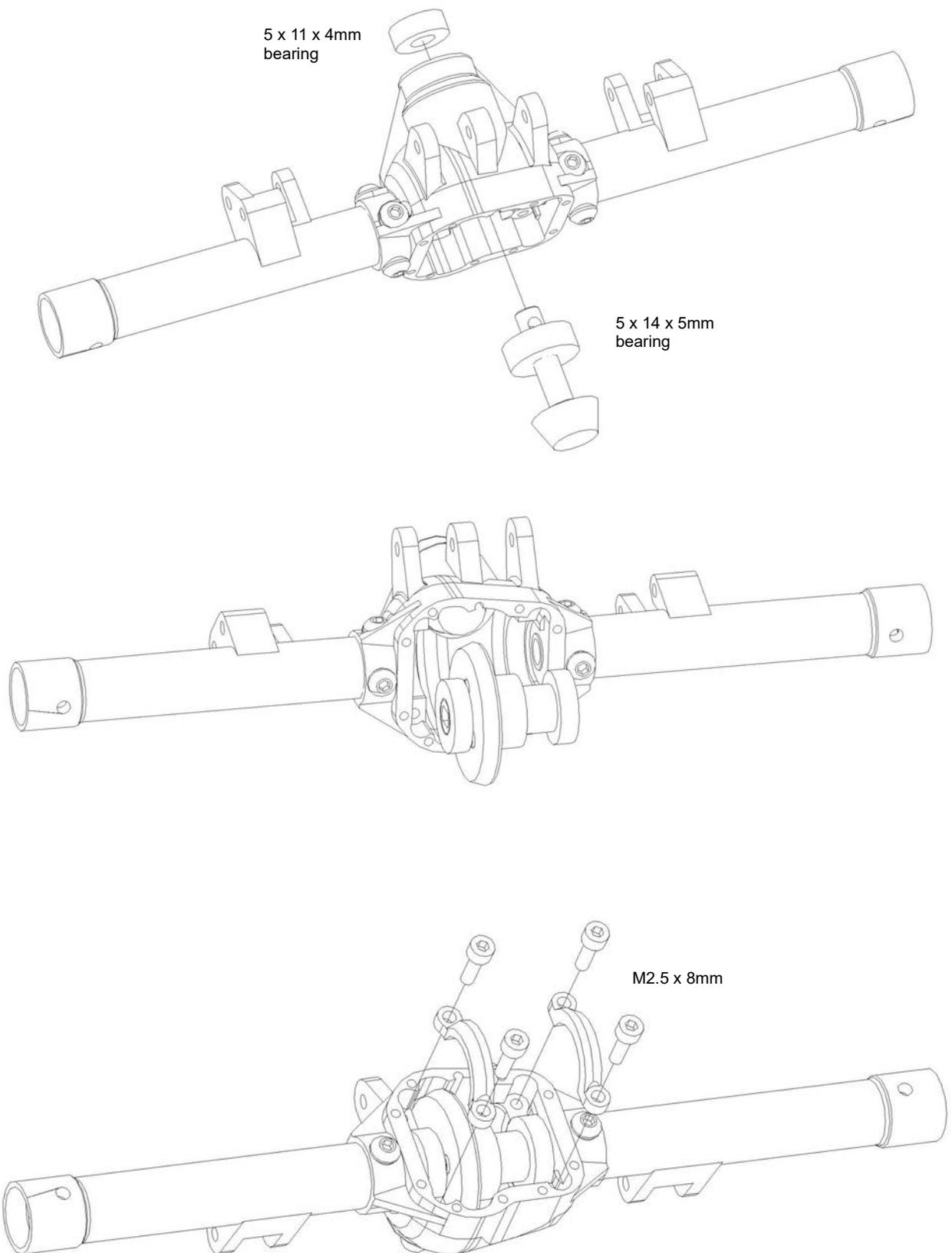
- 1 30T Ring gear and steel locker  
Use thread lock on screws



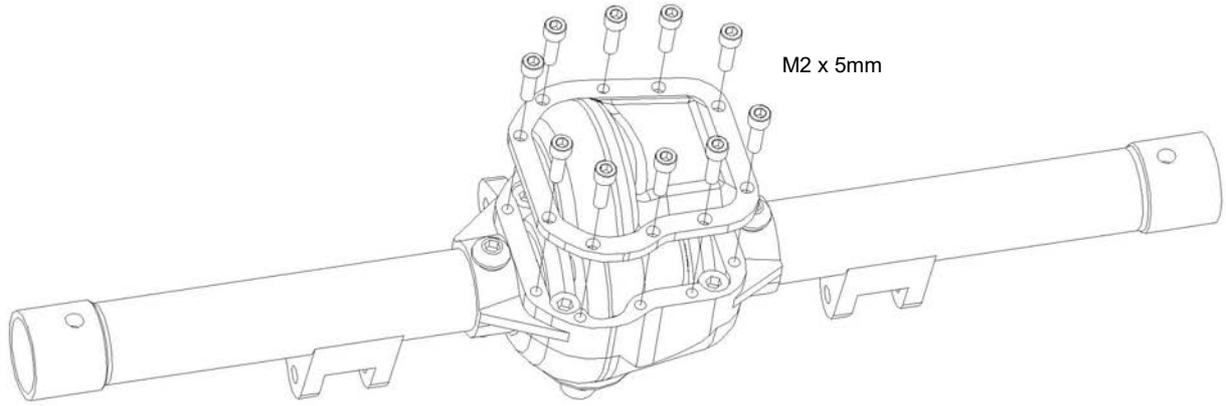
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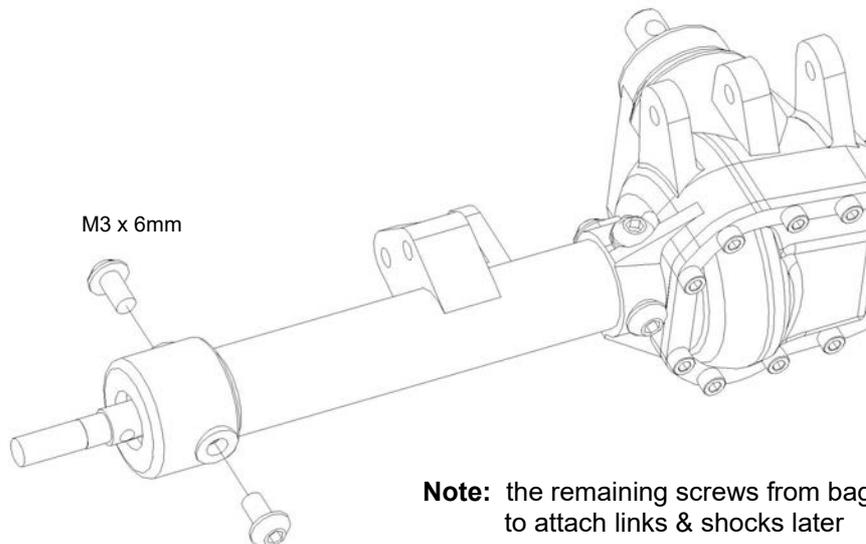
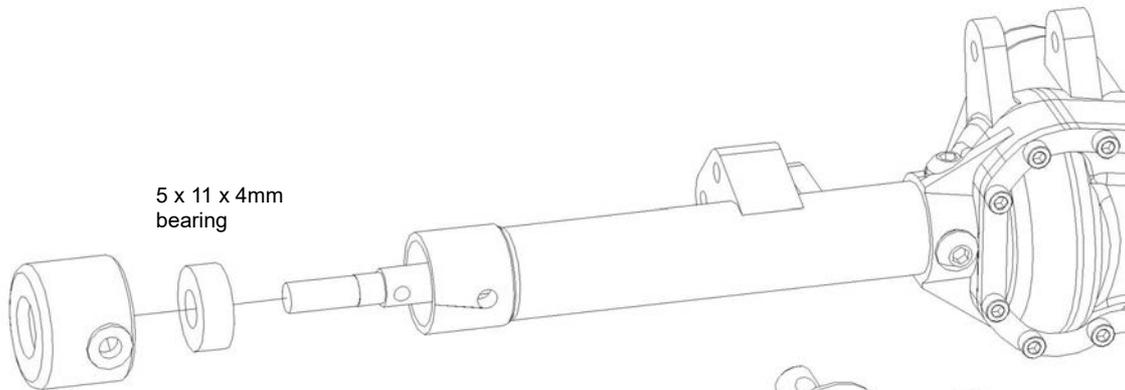
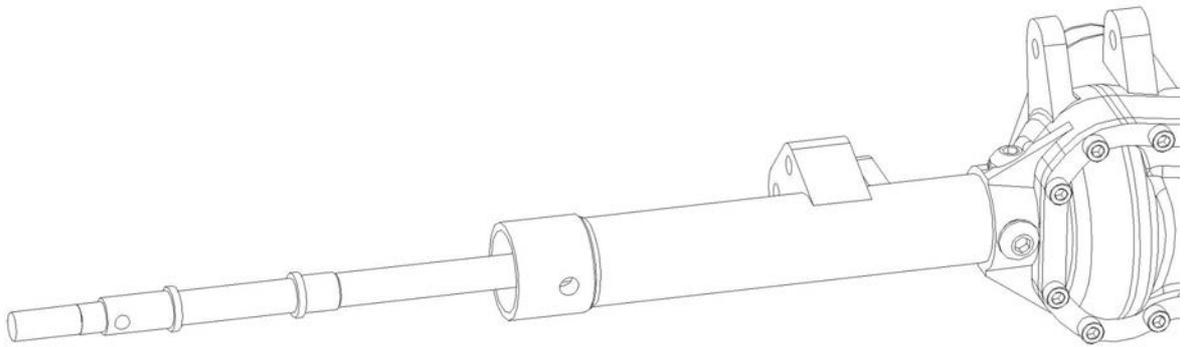
3 Install gears in housing, apply plenty of grease to both gears



4



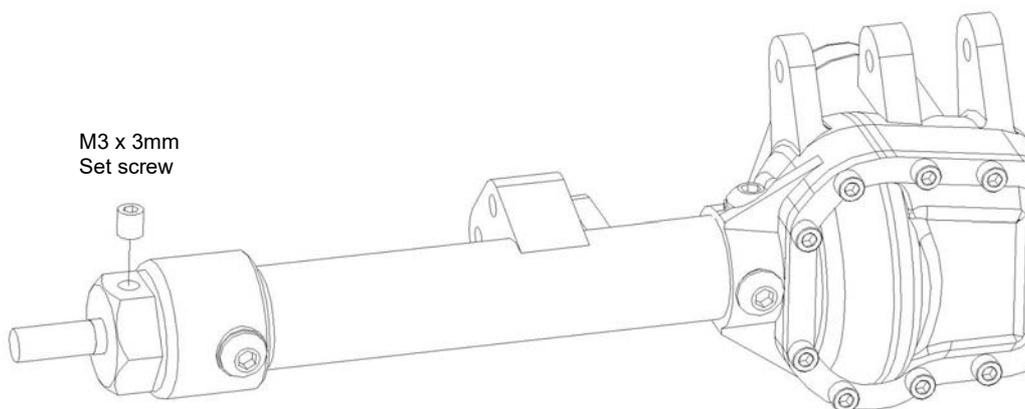
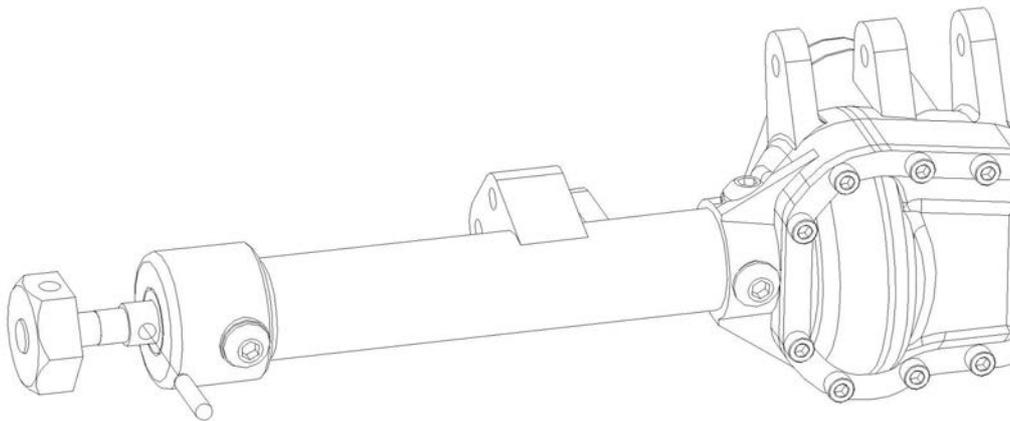
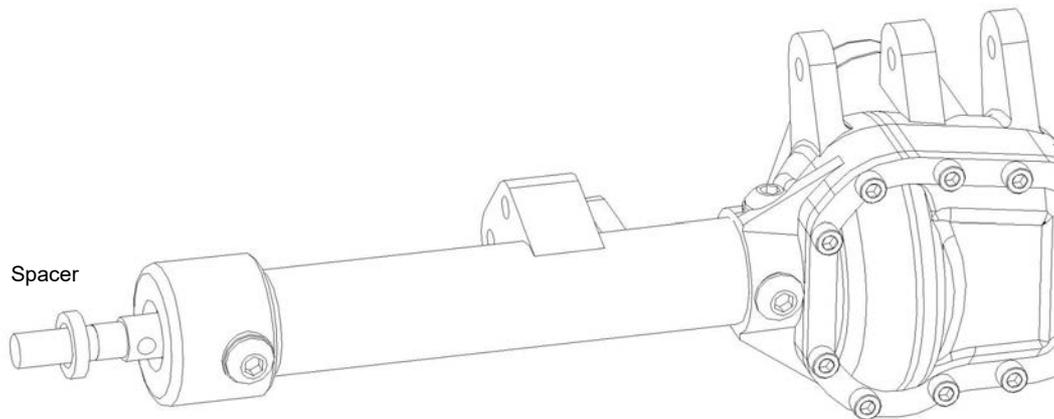
5 The next two steps should be done on both sides



**Note:** the remaining screws from bag A will be used to attach links & shocks later

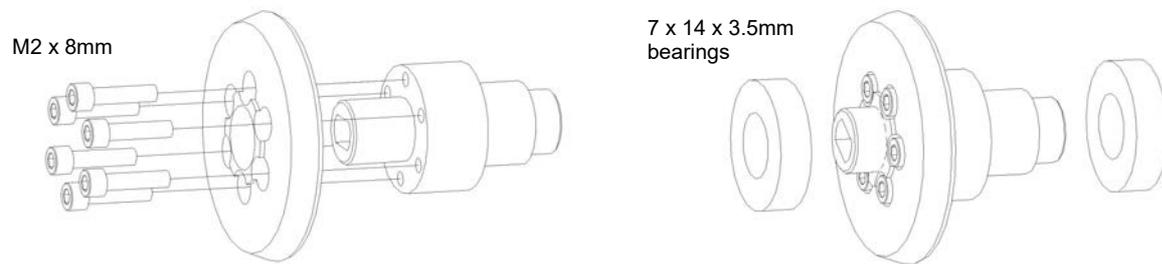
## Open Bag C – Aluminum Hex set

6 Insert spacers before fitting pin and hex

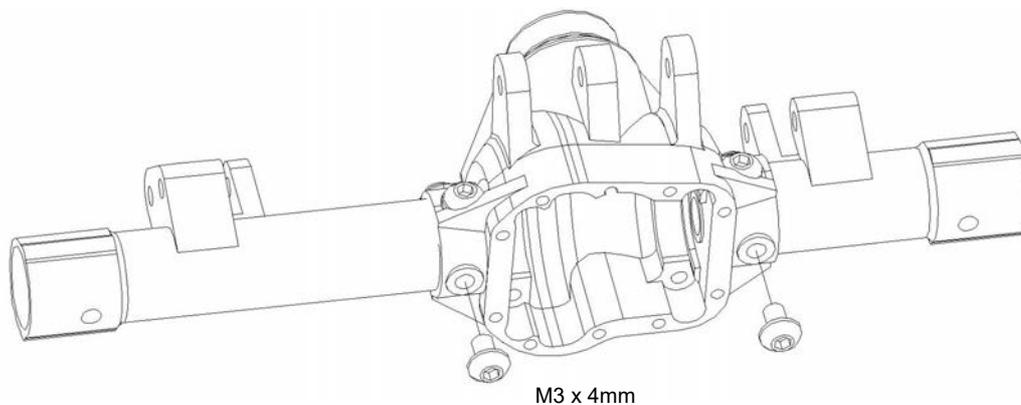
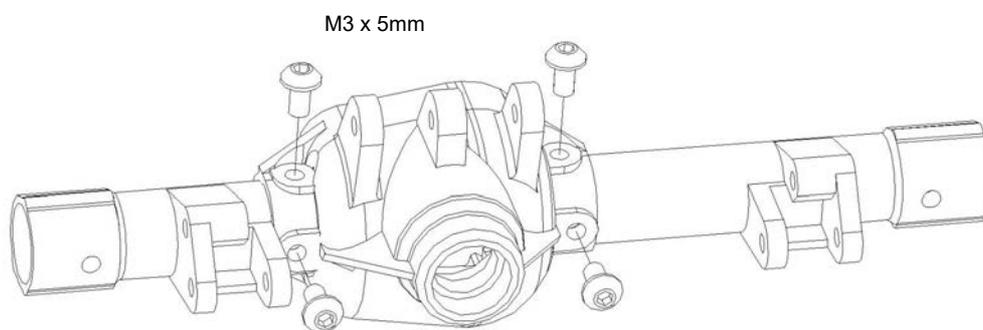
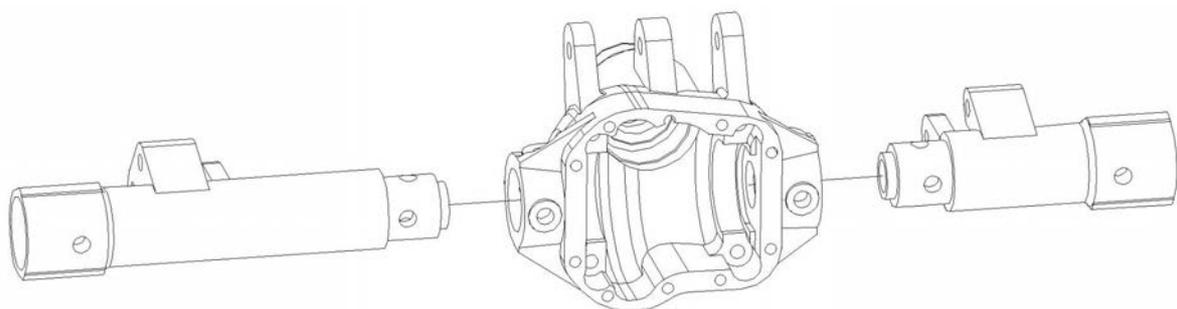


## Open Bag B – Front Axle

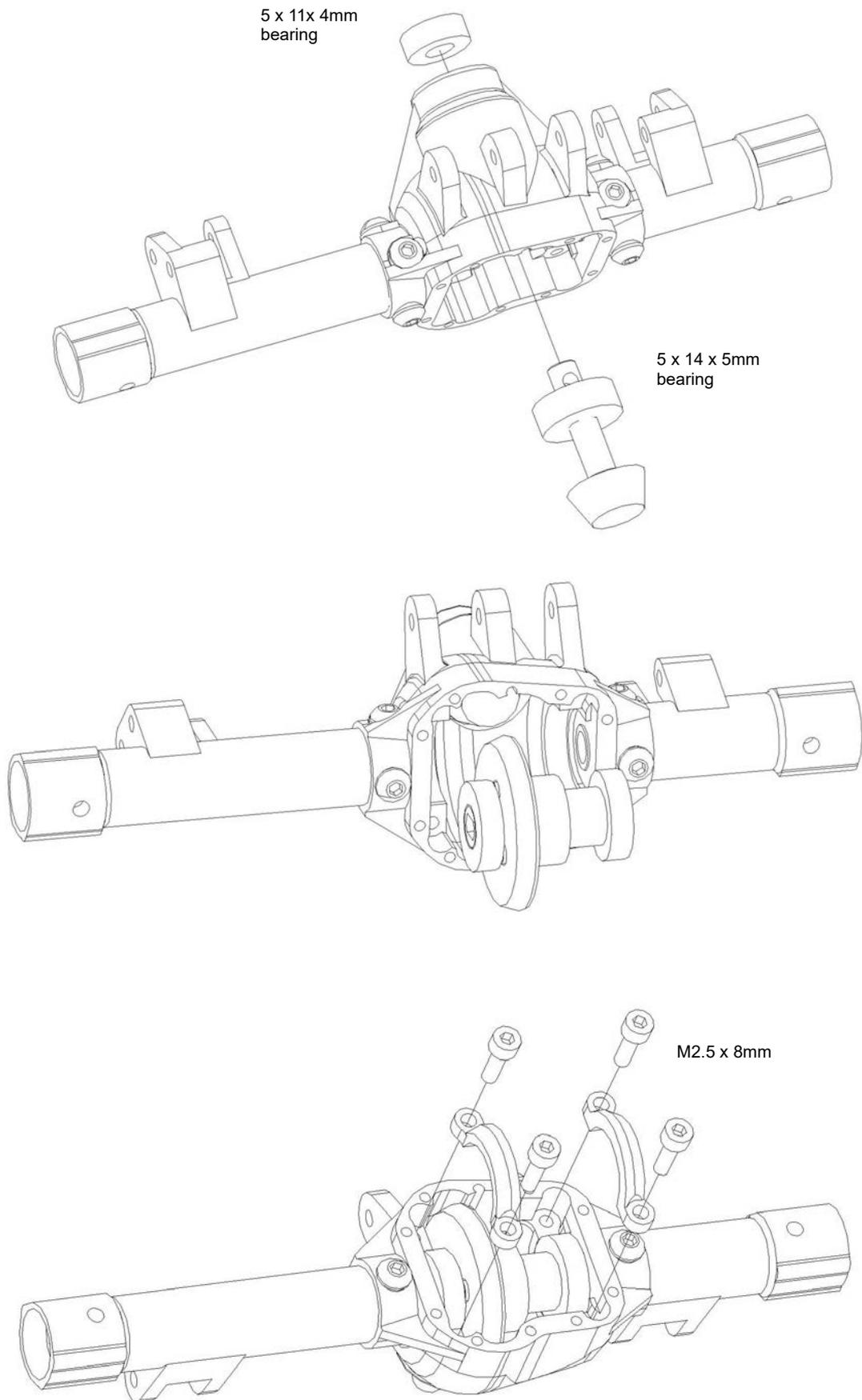
7 Use thread lock on screws



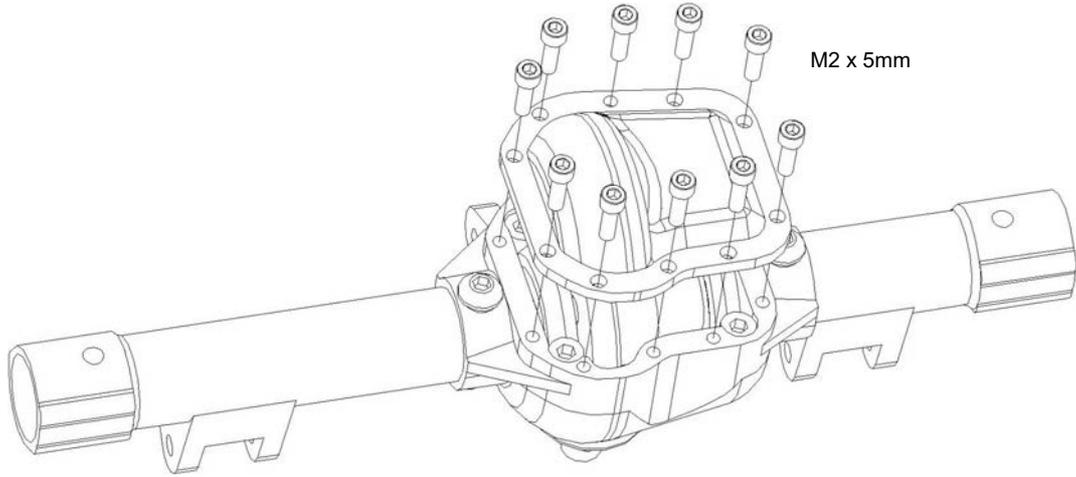
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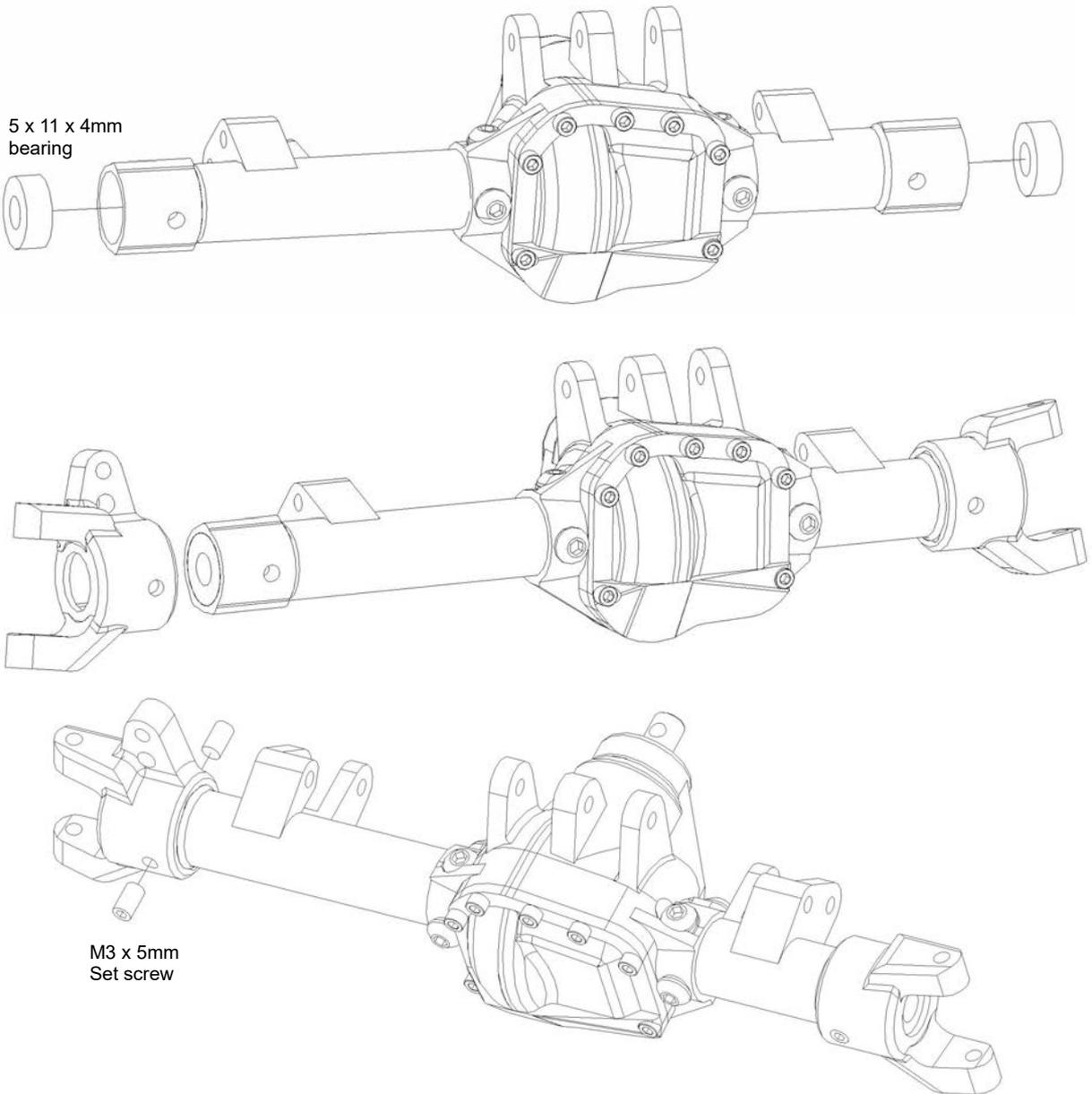
9 Install gears in housing, apply plenty of grease to both gears



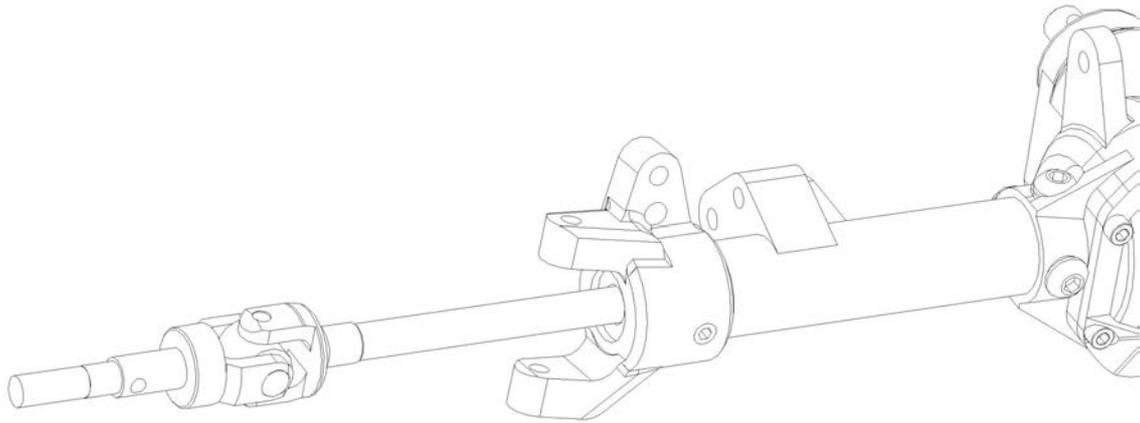
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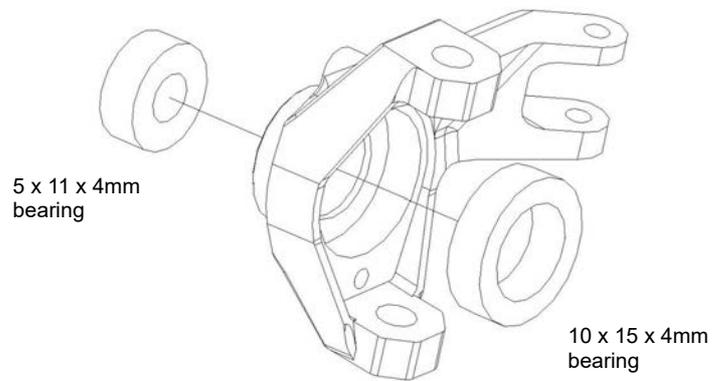
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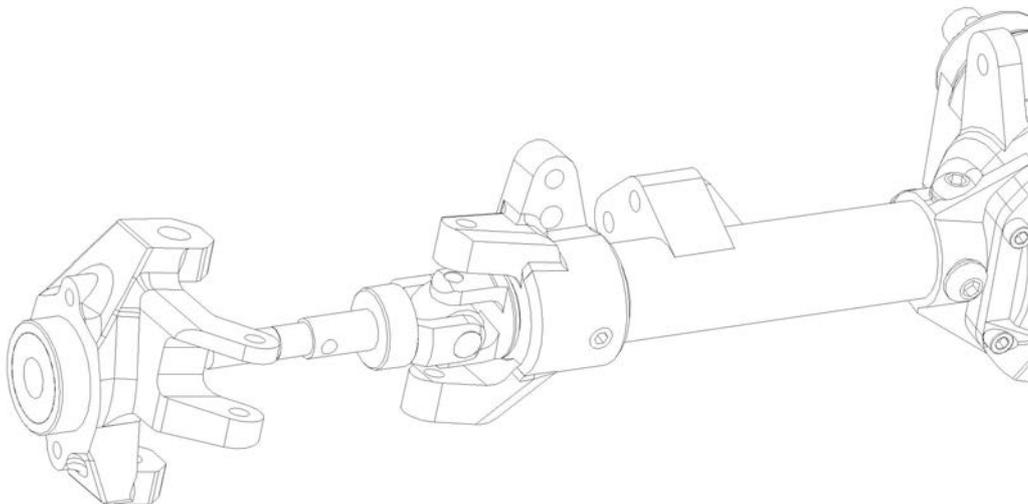
12 The next four steps should be done on both sides

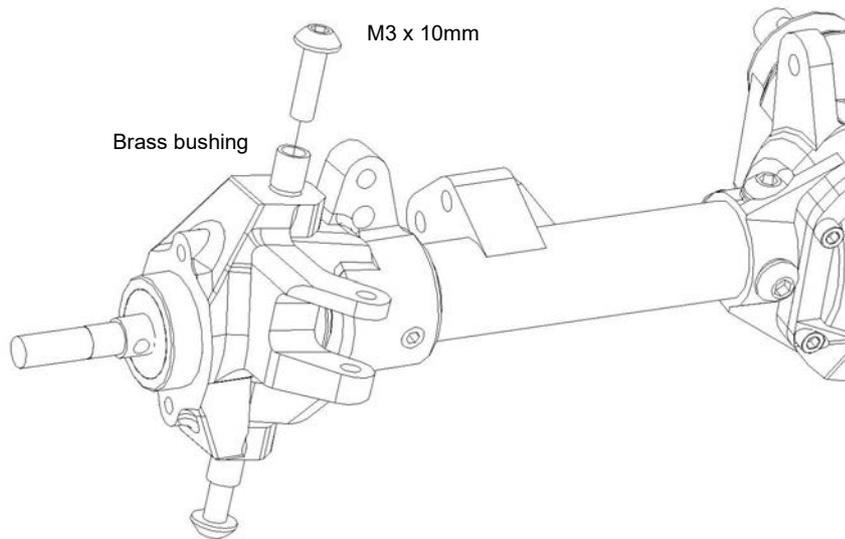


13 Install bearings in aluminum knuckles



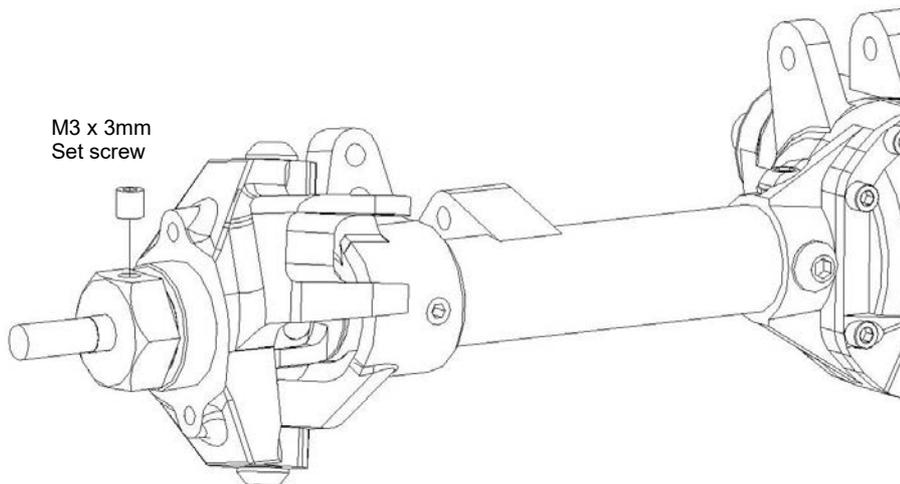
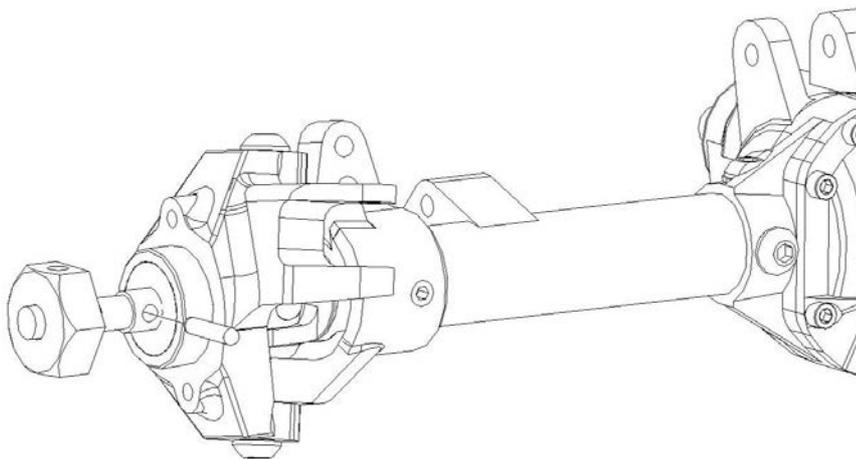
14 Attach knuckles to C hubs





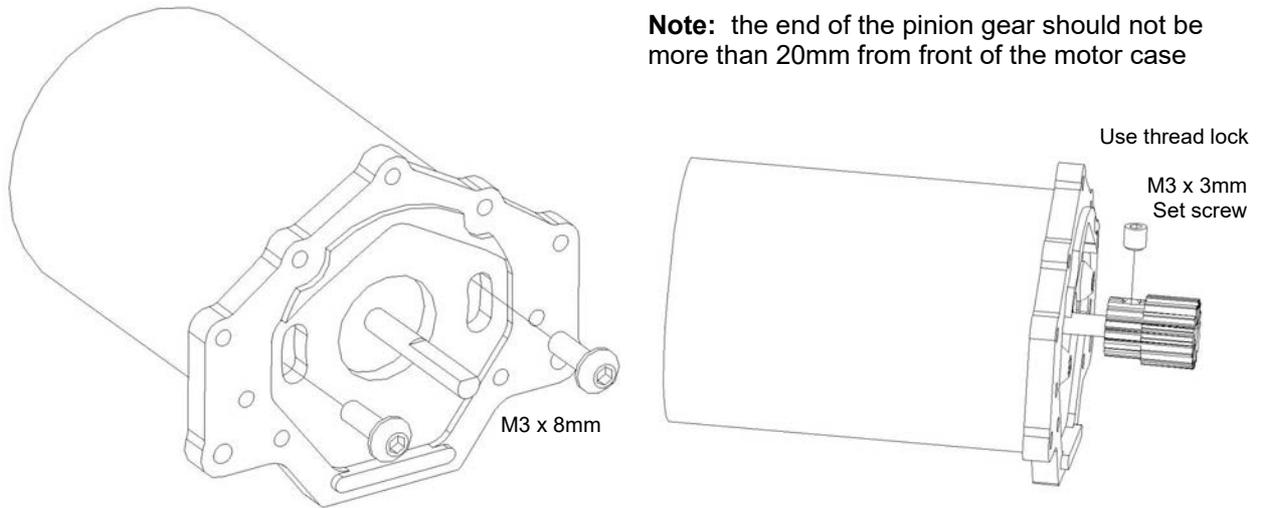
**Note:** the remaining screws from bag B will be used to attach links & shocks later

15 Install Hex from bag C

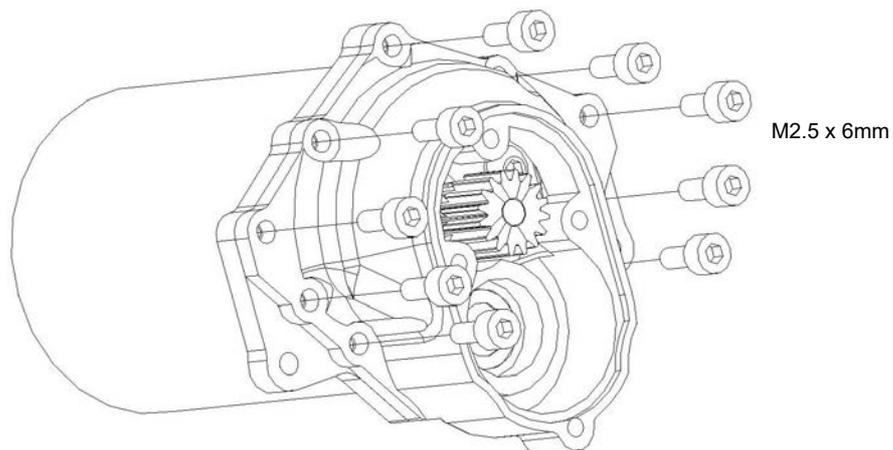


## Open Bag D – Transmission

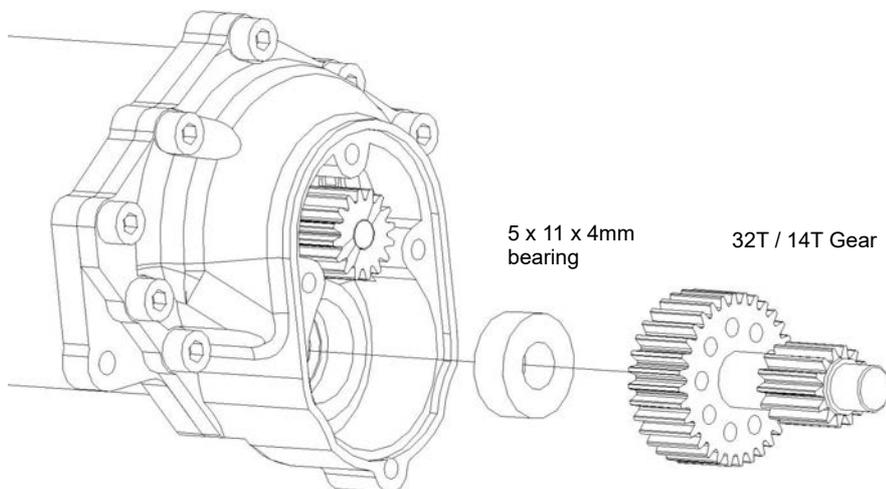
- 16 Install motor (not included) on aluminum mount and 16T pinion gear on motor shaft



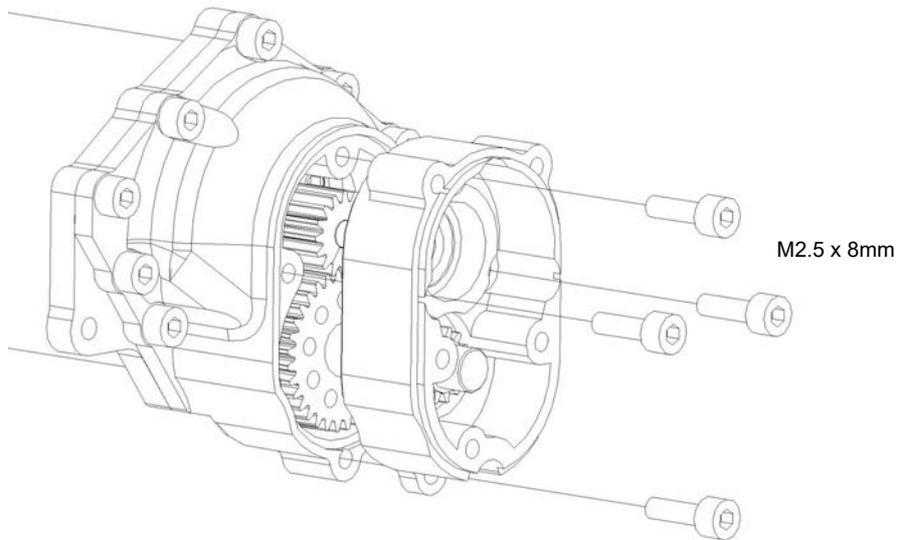
- 17



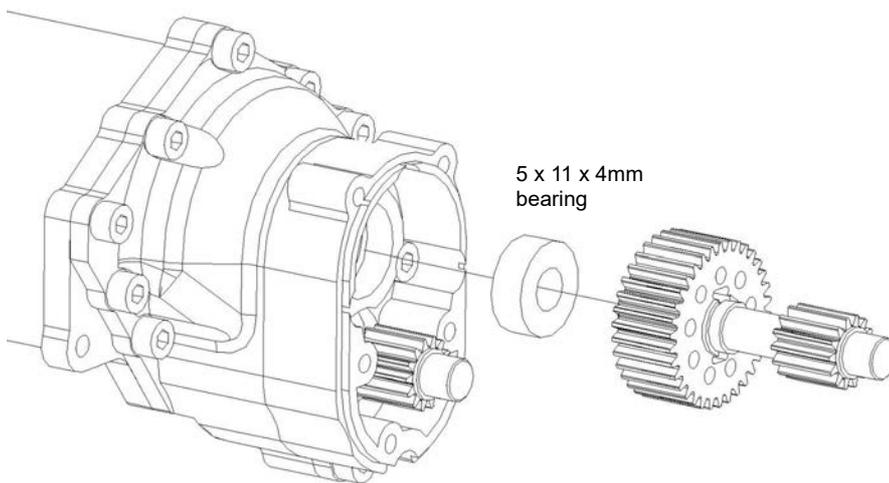
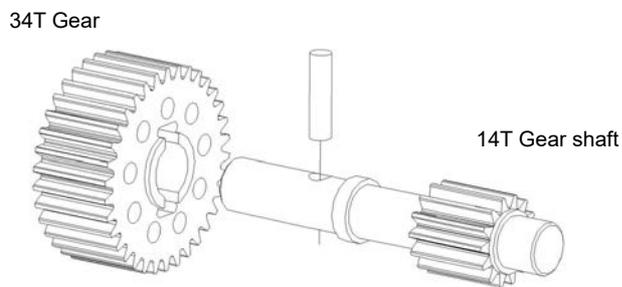
- 18 Apply plenty of grease to all gears during transmission assembly

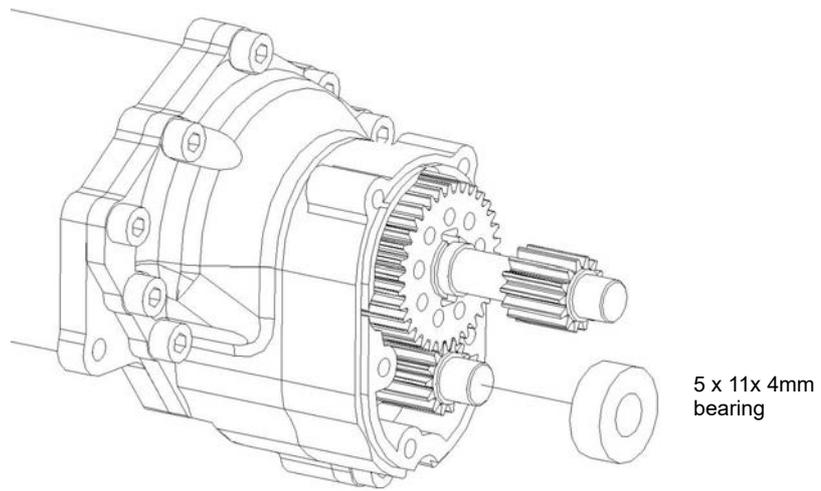


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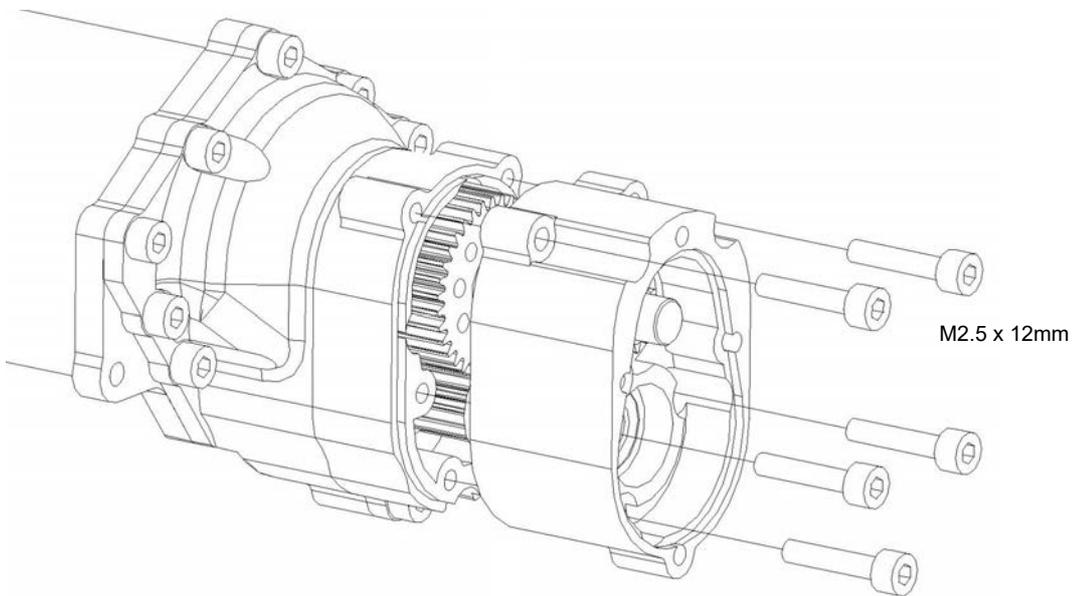


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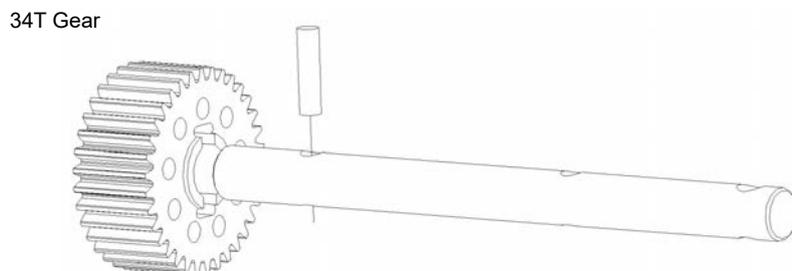


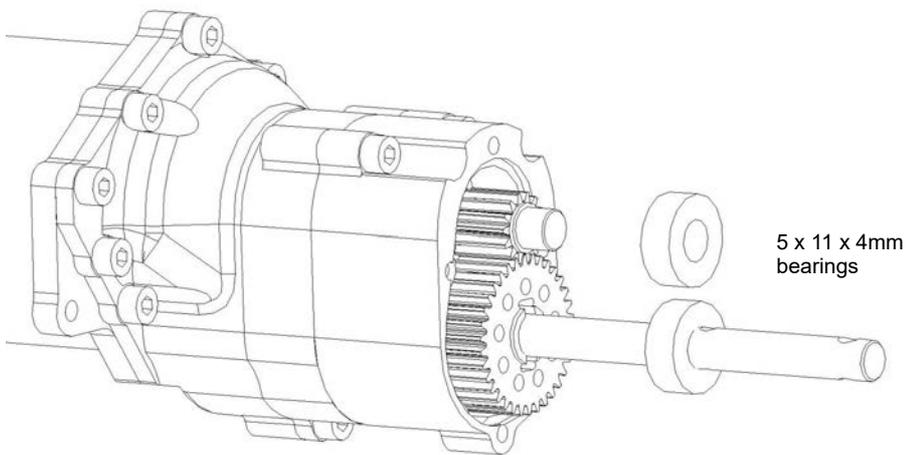
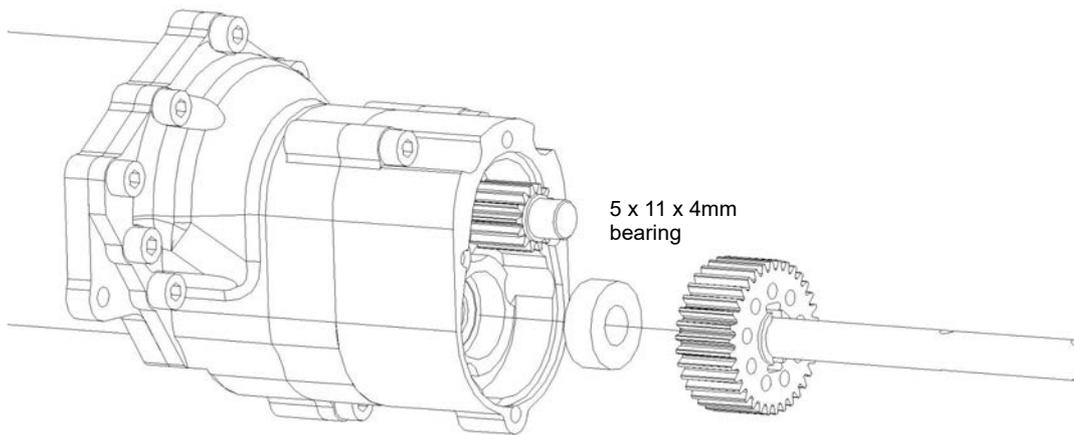


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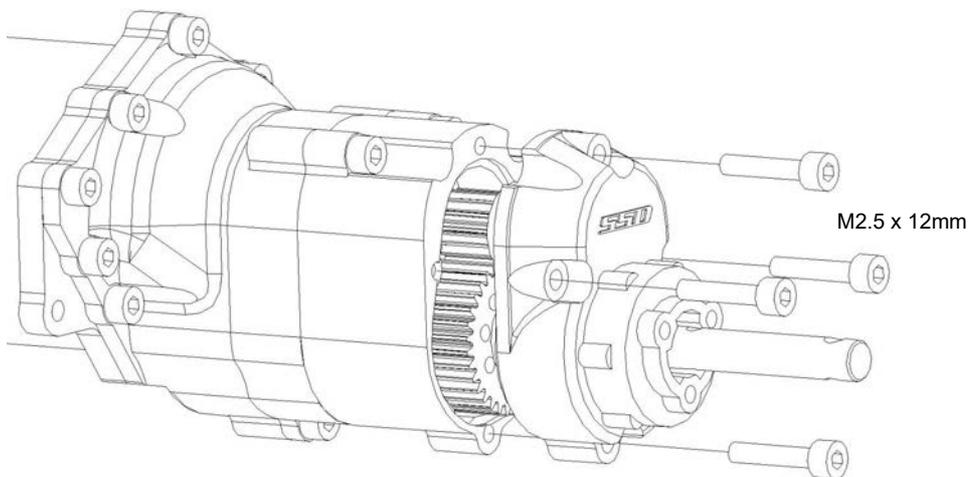


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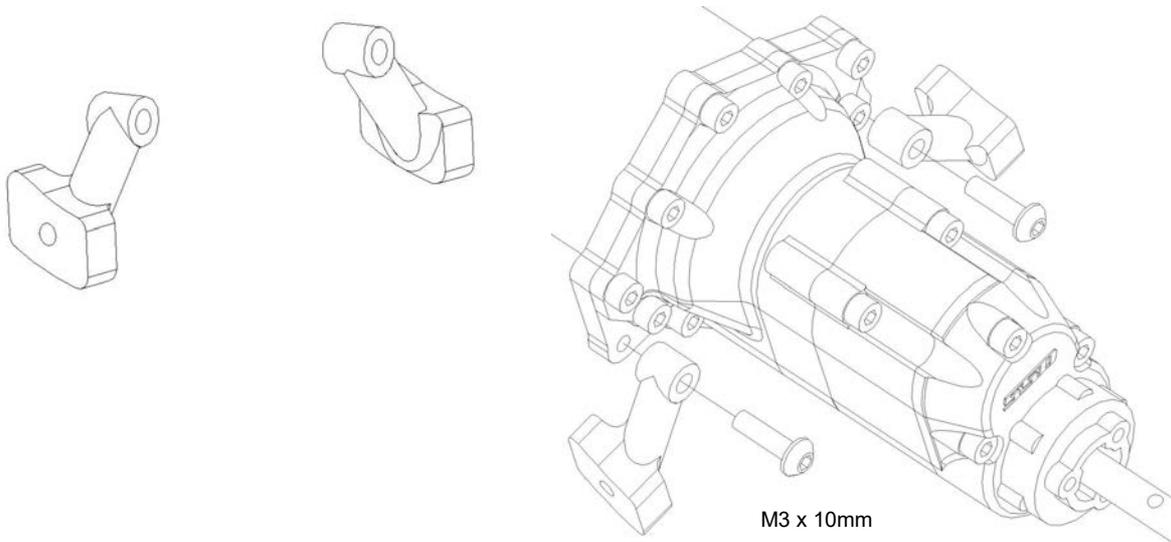


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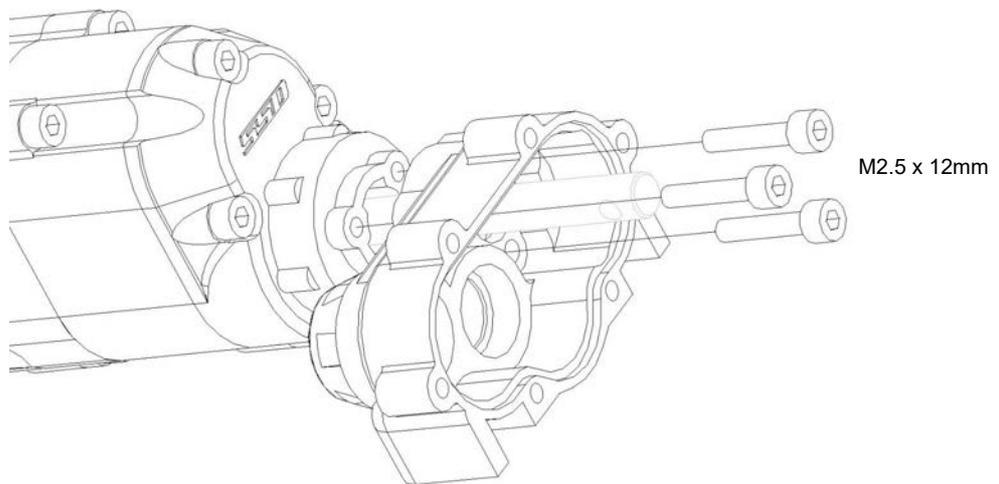


# Open Bag G – Transmission Mounts

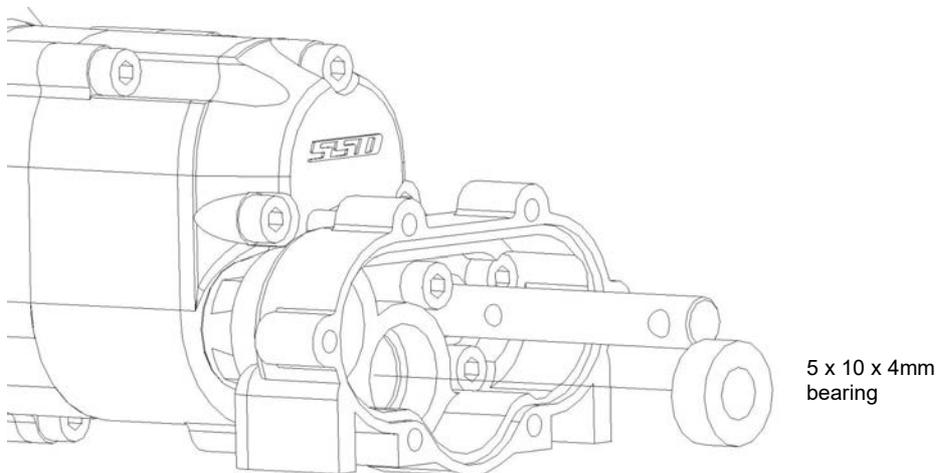
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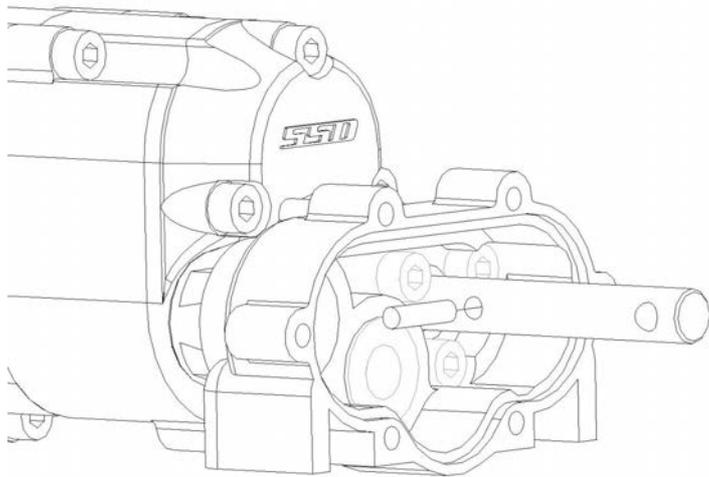


25 Transfer case

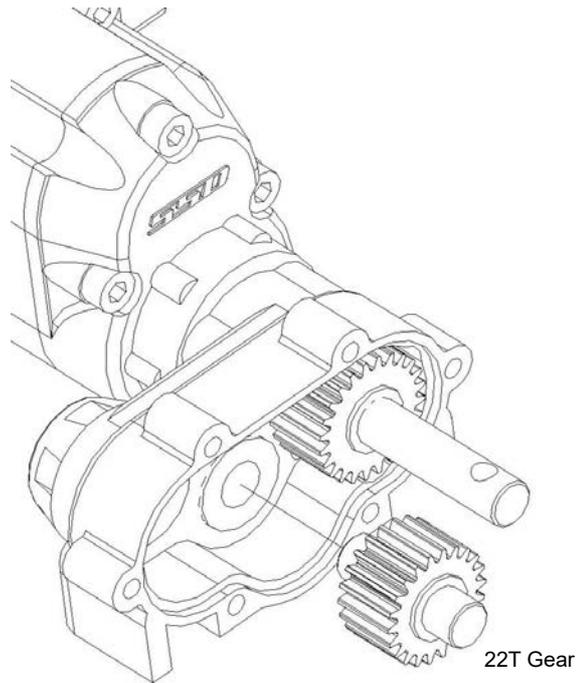
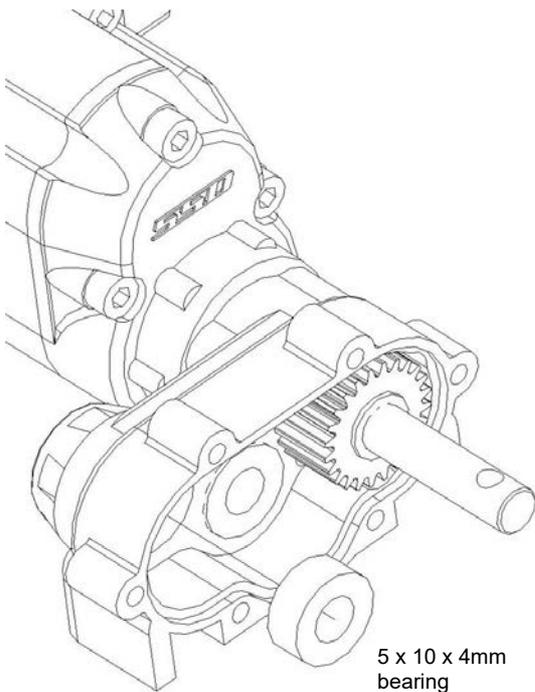
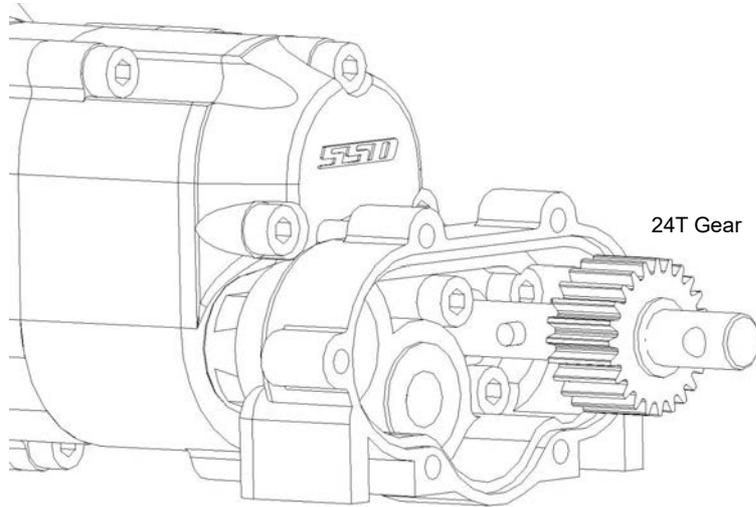


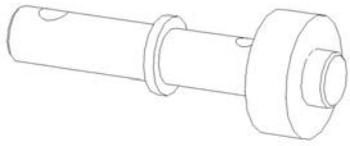
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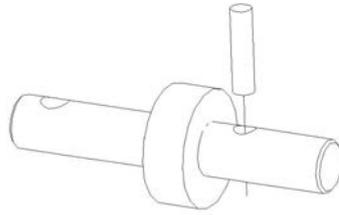


Apply plenty of grease to all gears

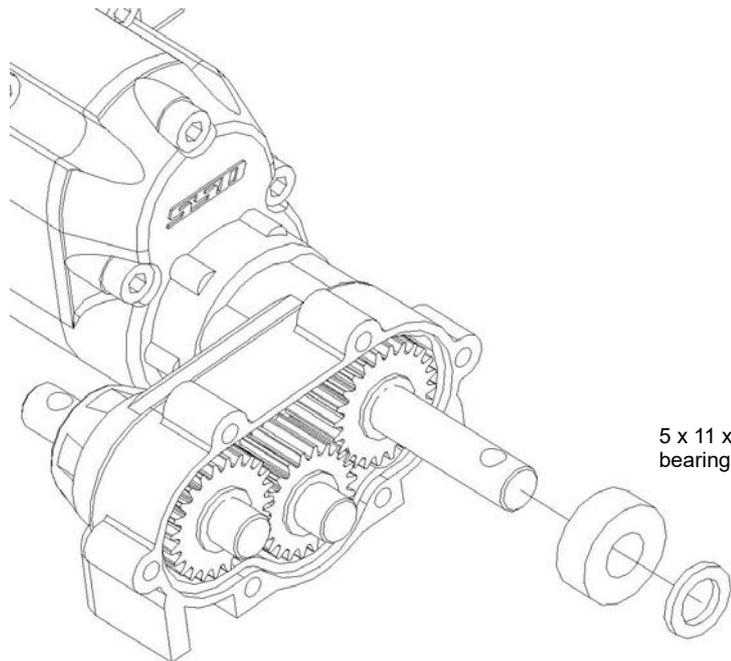
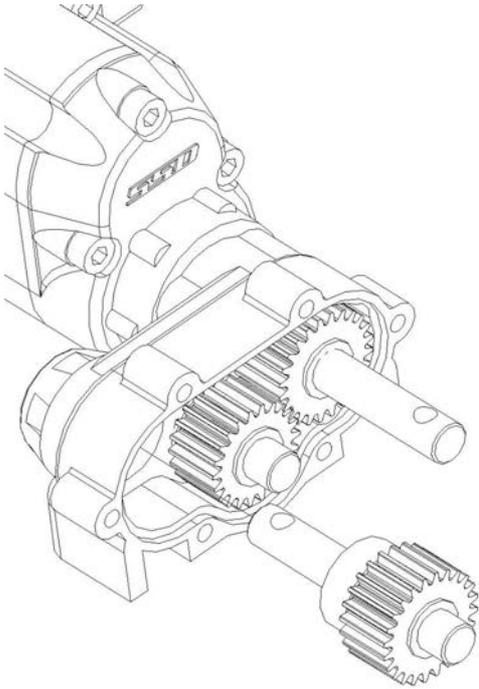




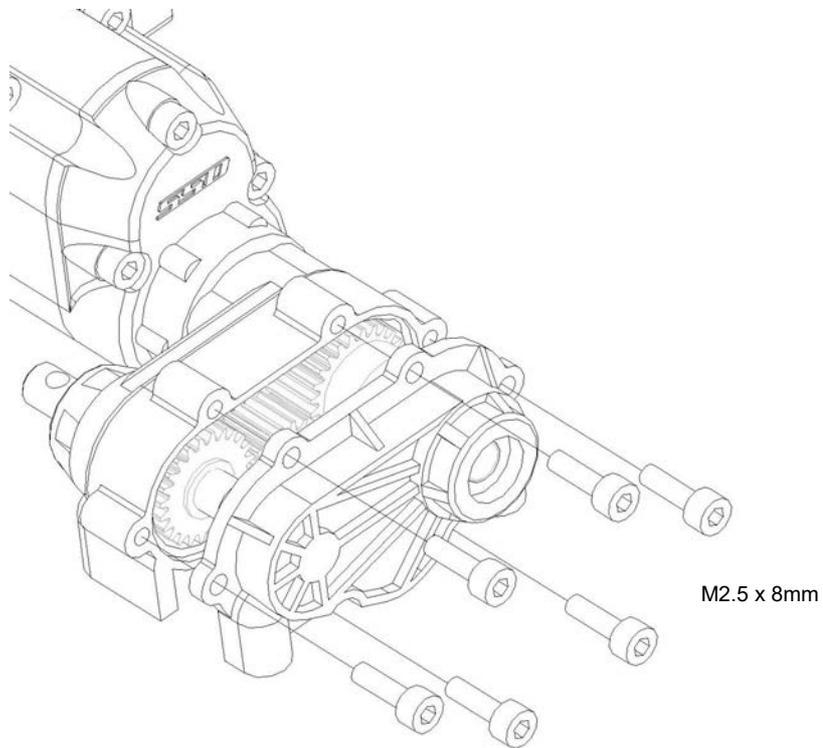
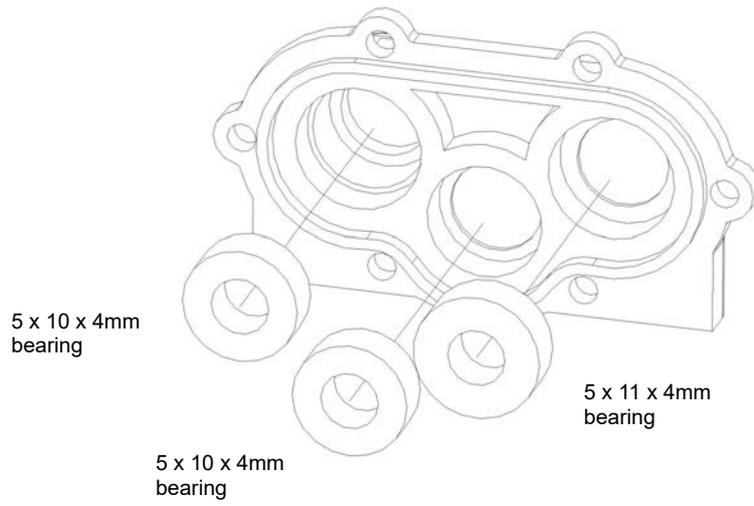
5 x 11 x 4mm bearing



24T Gear

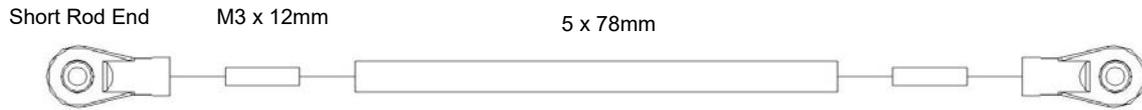


5 x 11 x 4mm bearing

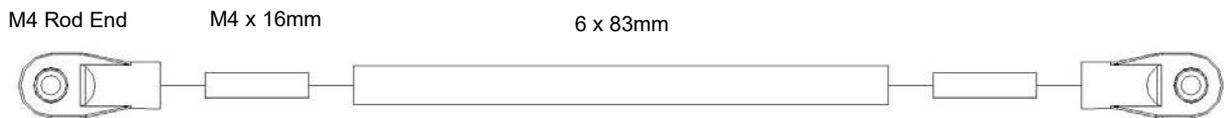


## Open Bag E - Titanium Suspension Links

### 30 Front upper link



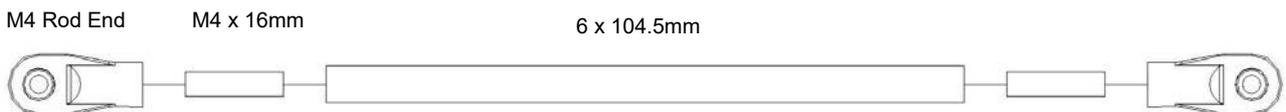
### 31 Front lower links, make 2



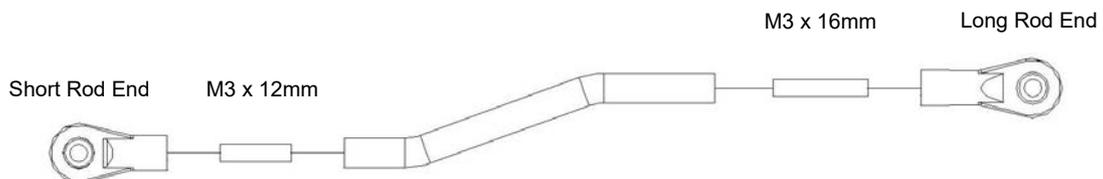
### 32 Rear upper links, make 2



### 33 Rear lower links, make 2

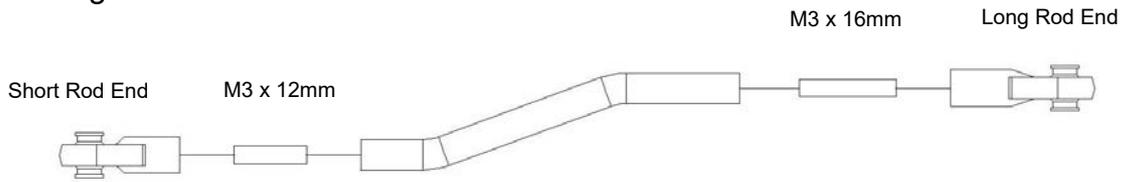


### 34 Panhard bar



# Open Bag F - Titanium Steering Links

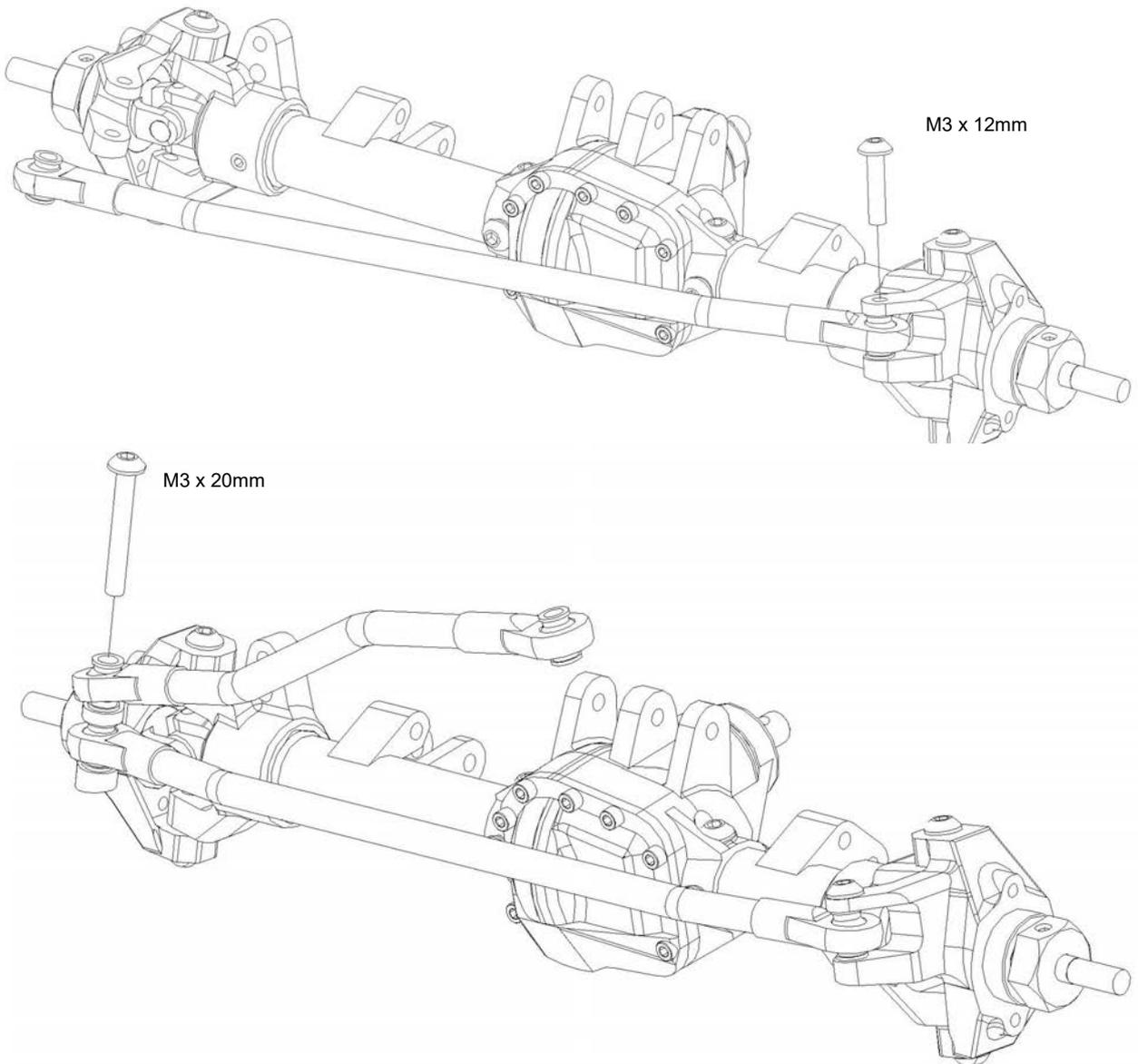
## 35 Drag link



## Tie rod

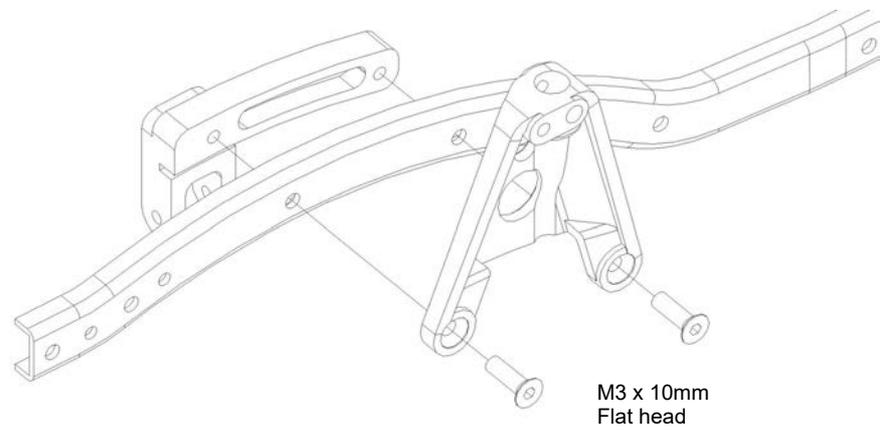


## 36

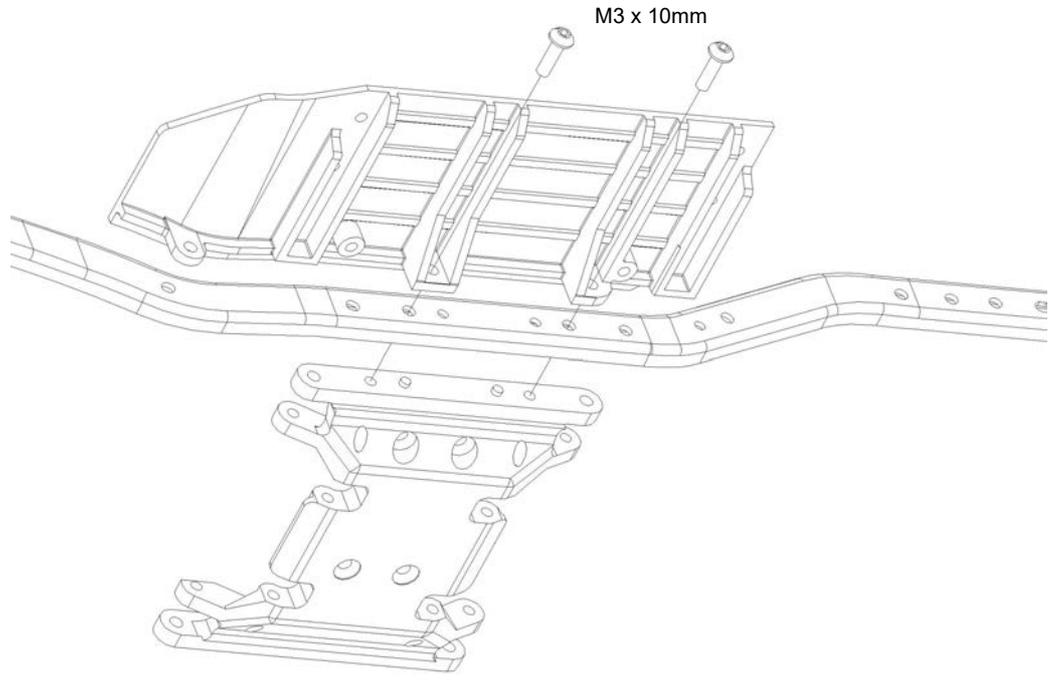


**Open Bag H – Steel Frame Rails**  
**Open Bag J – Plastic Parts**  
**Open Bag K – Aluminum parts**

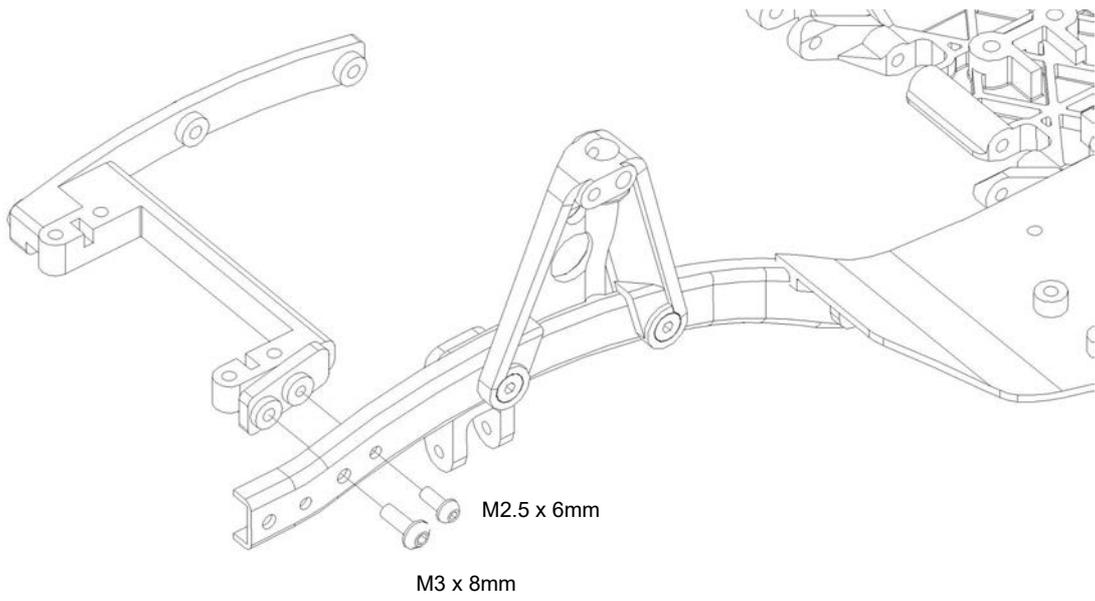
37 Aluminum panhard mount



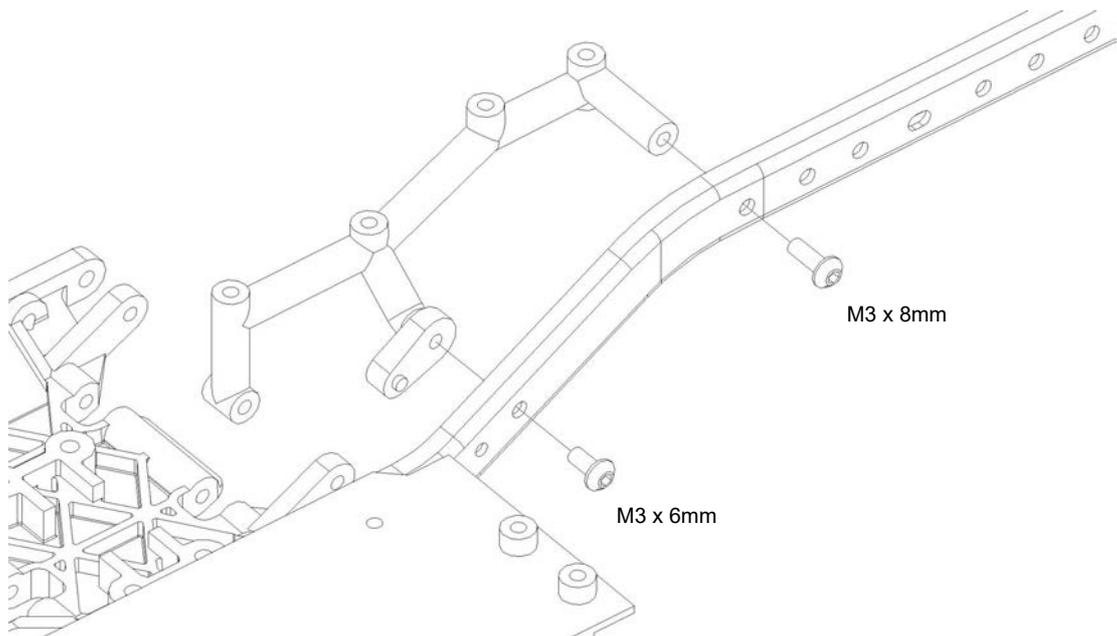
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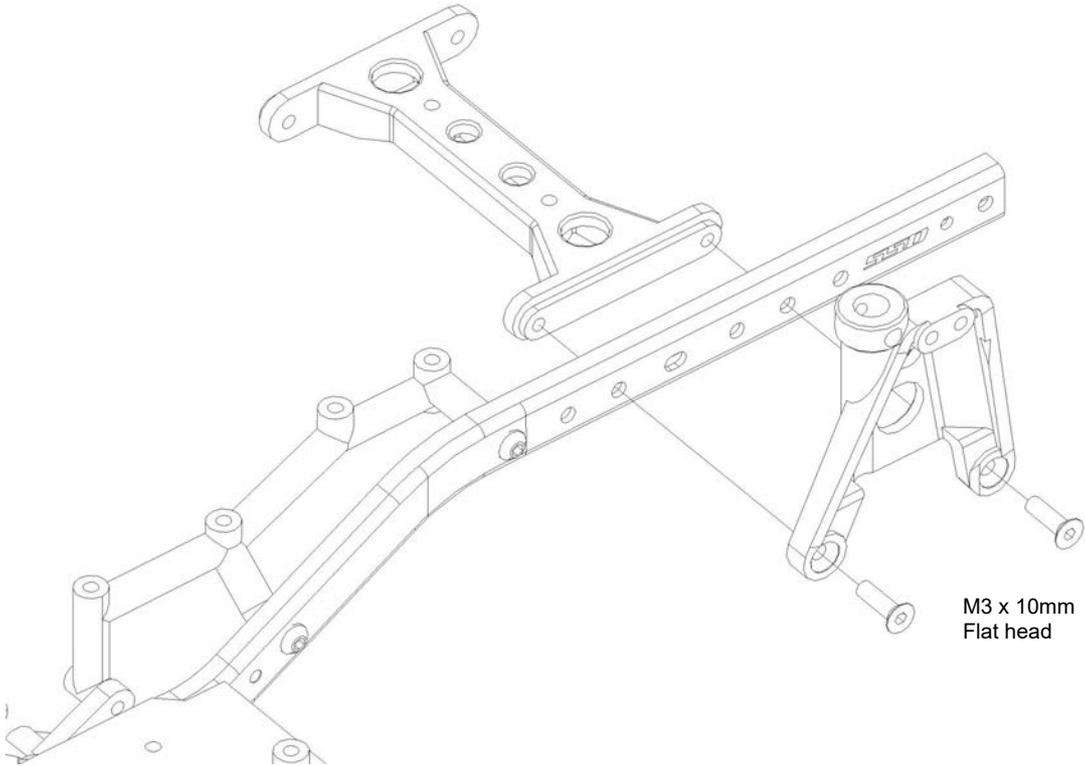
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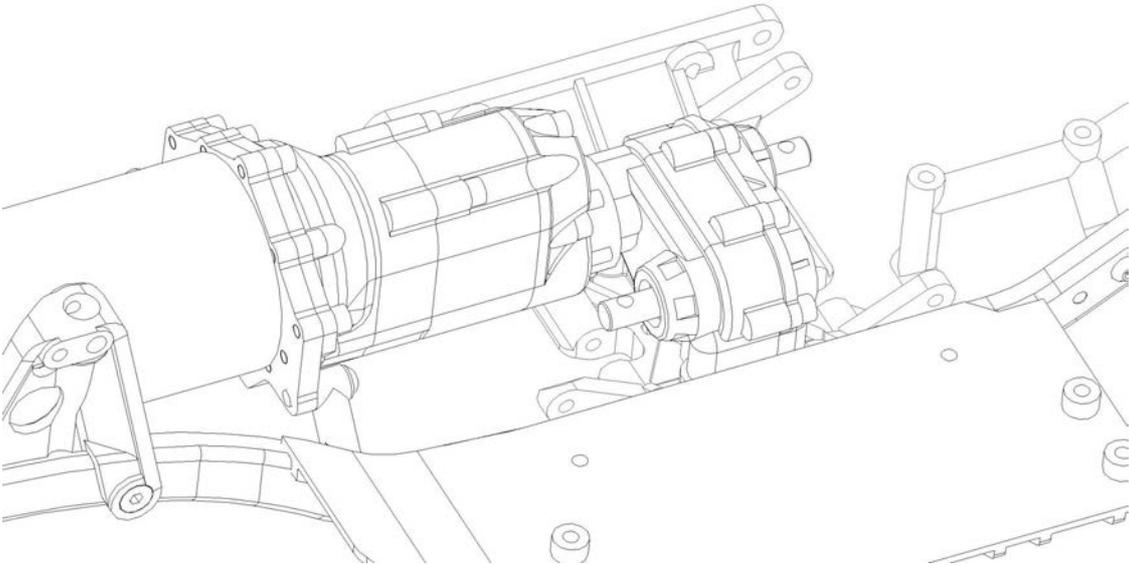
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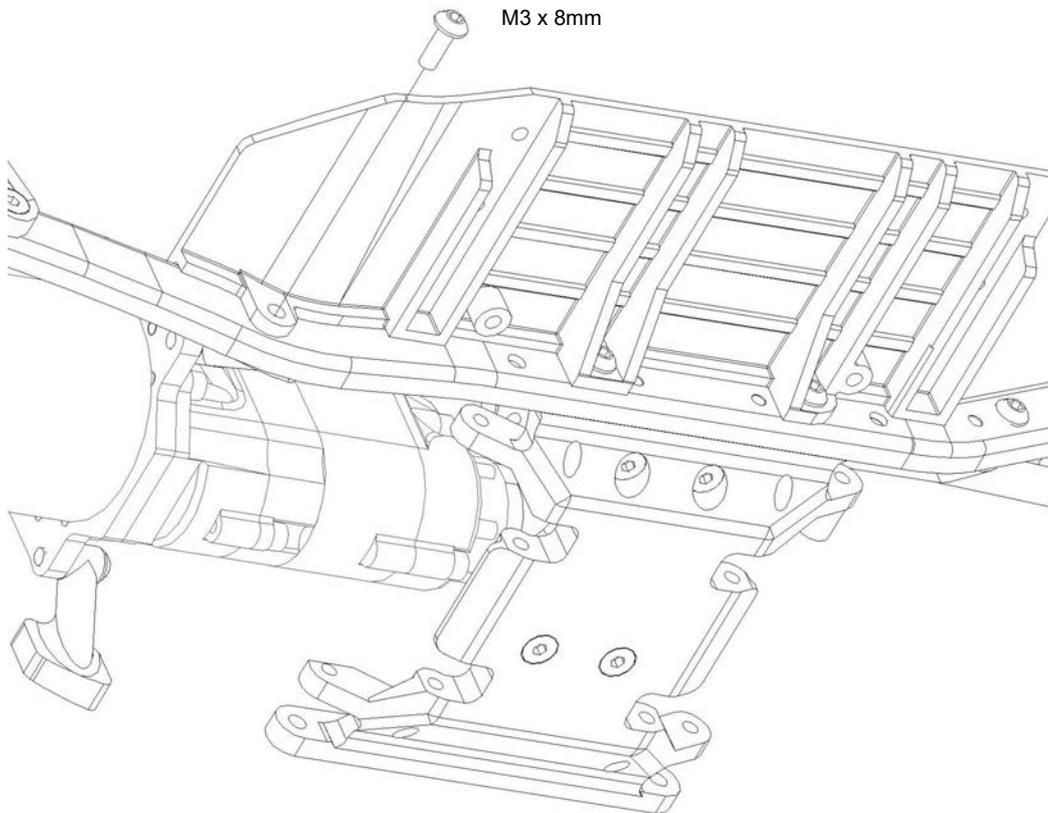
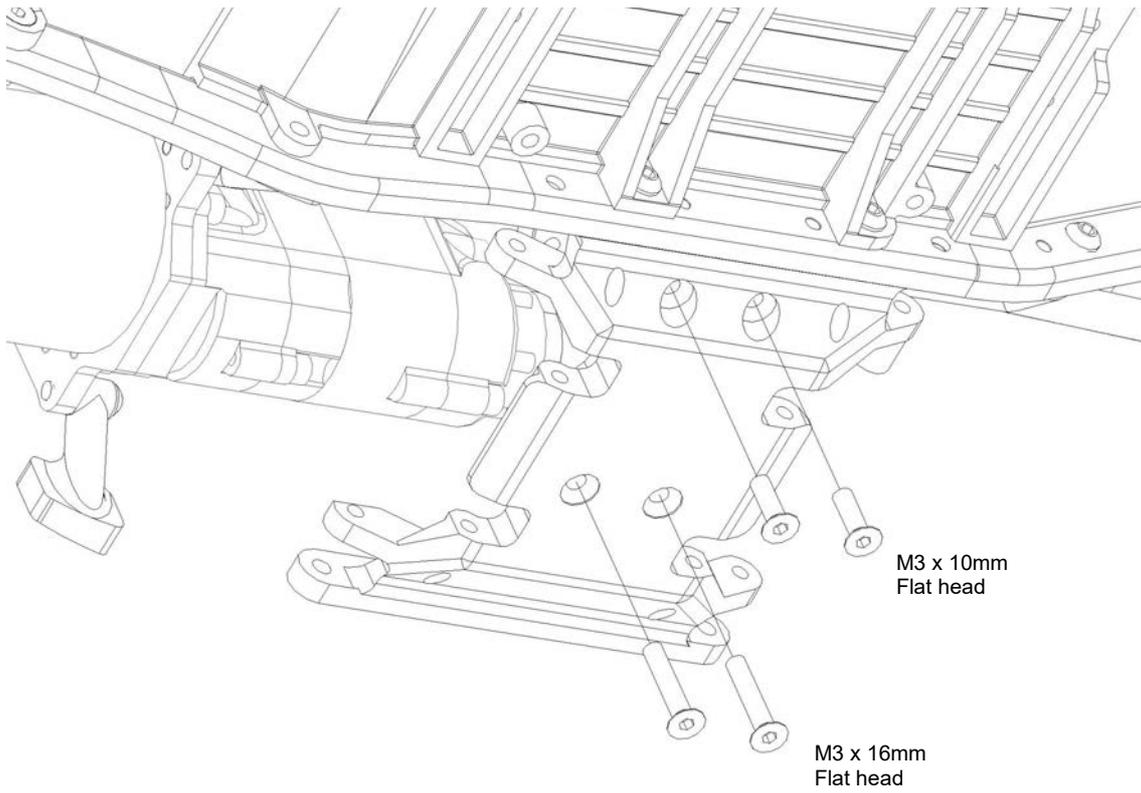


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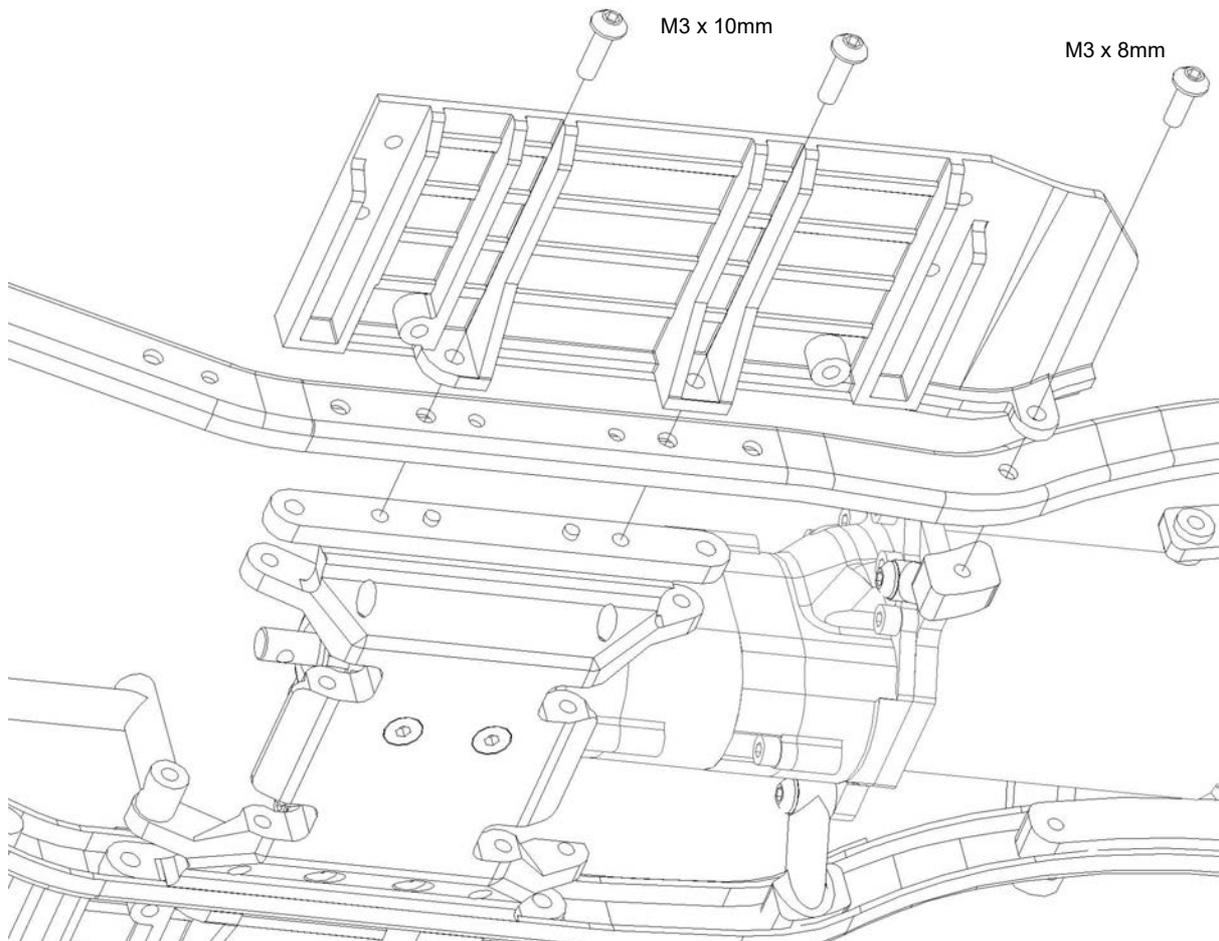


42 Transmission

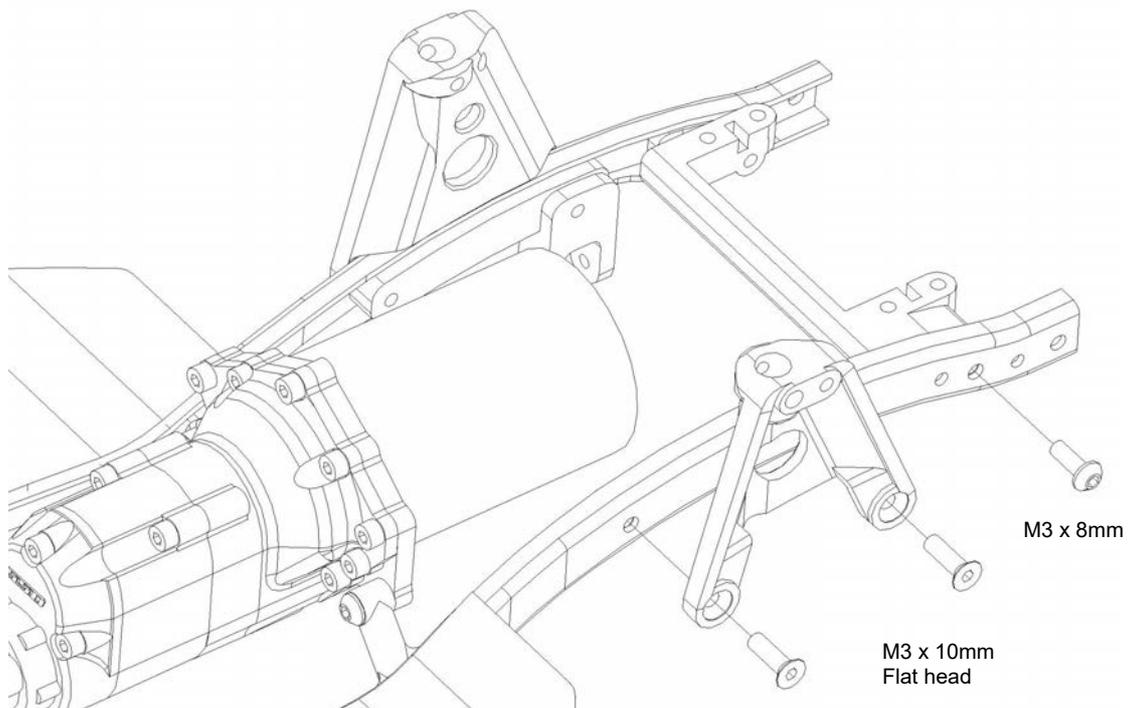




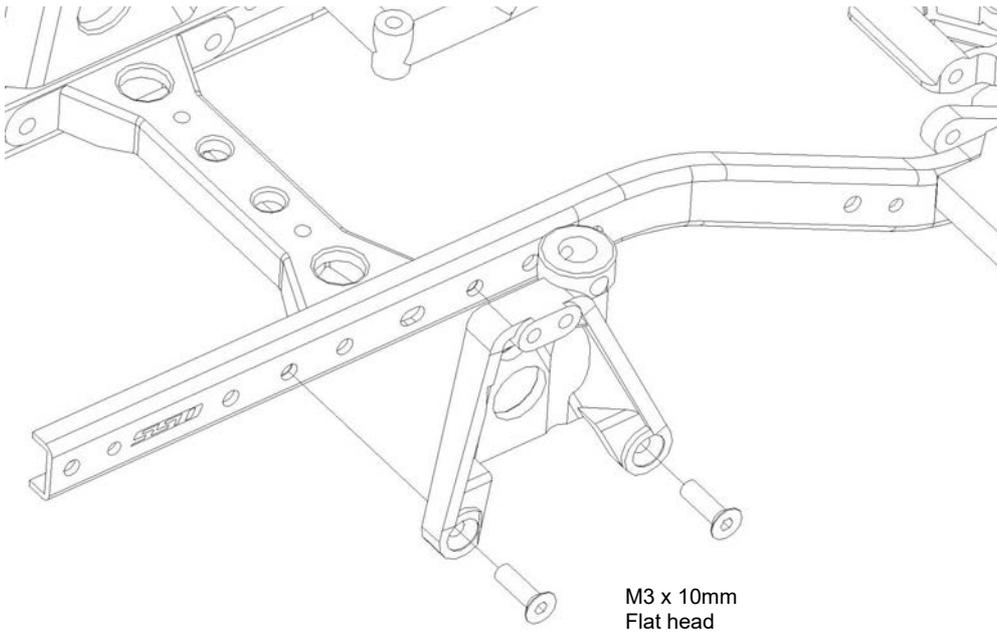
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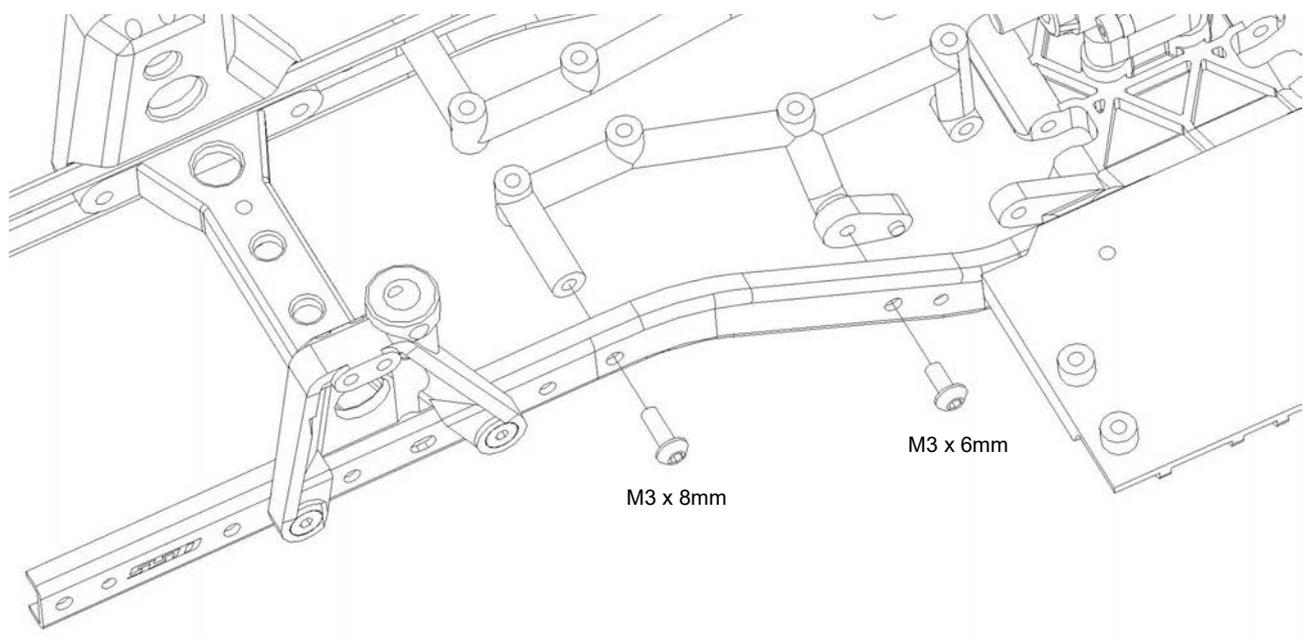
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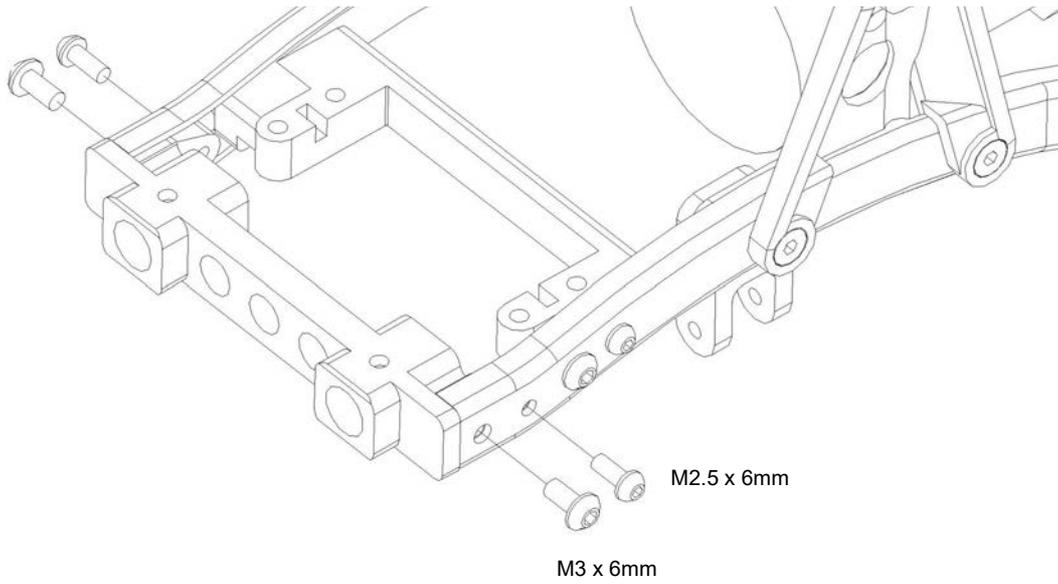
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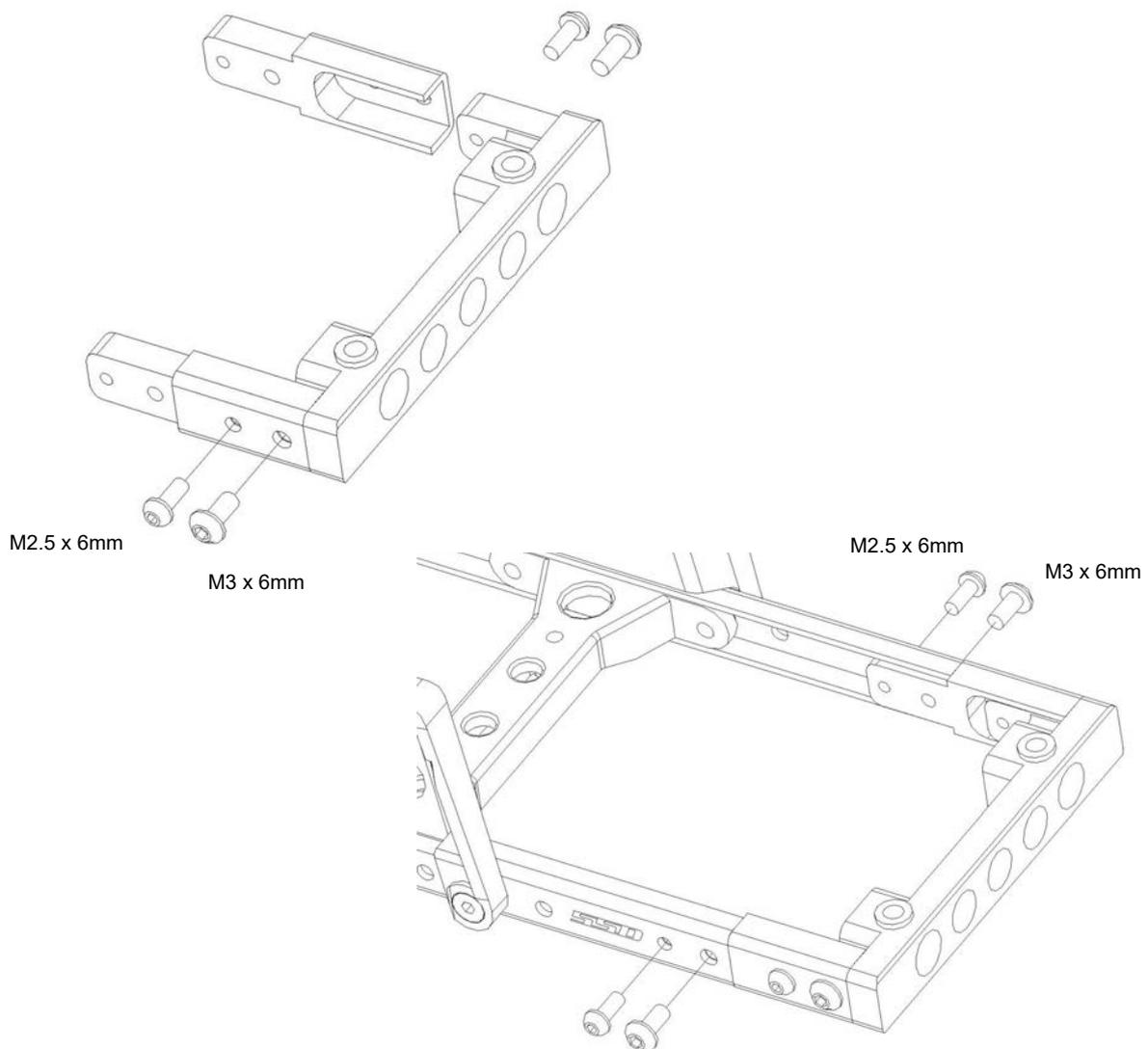
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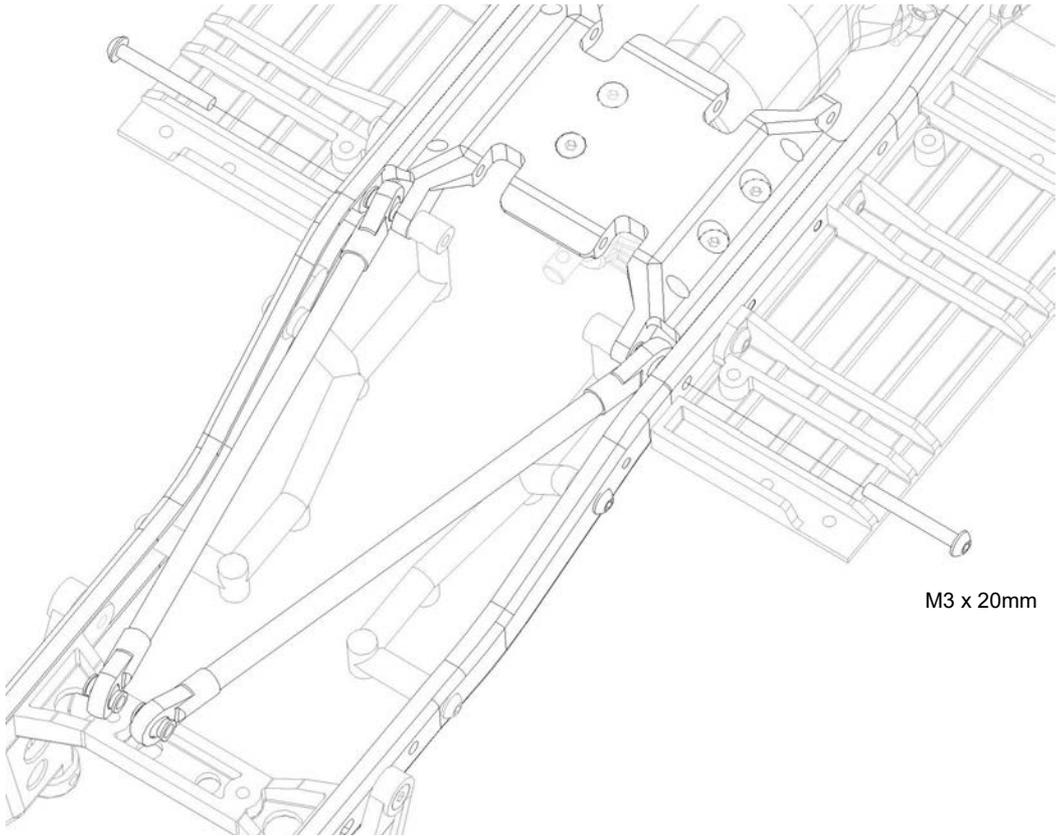
47 Aluminum front bumper mount



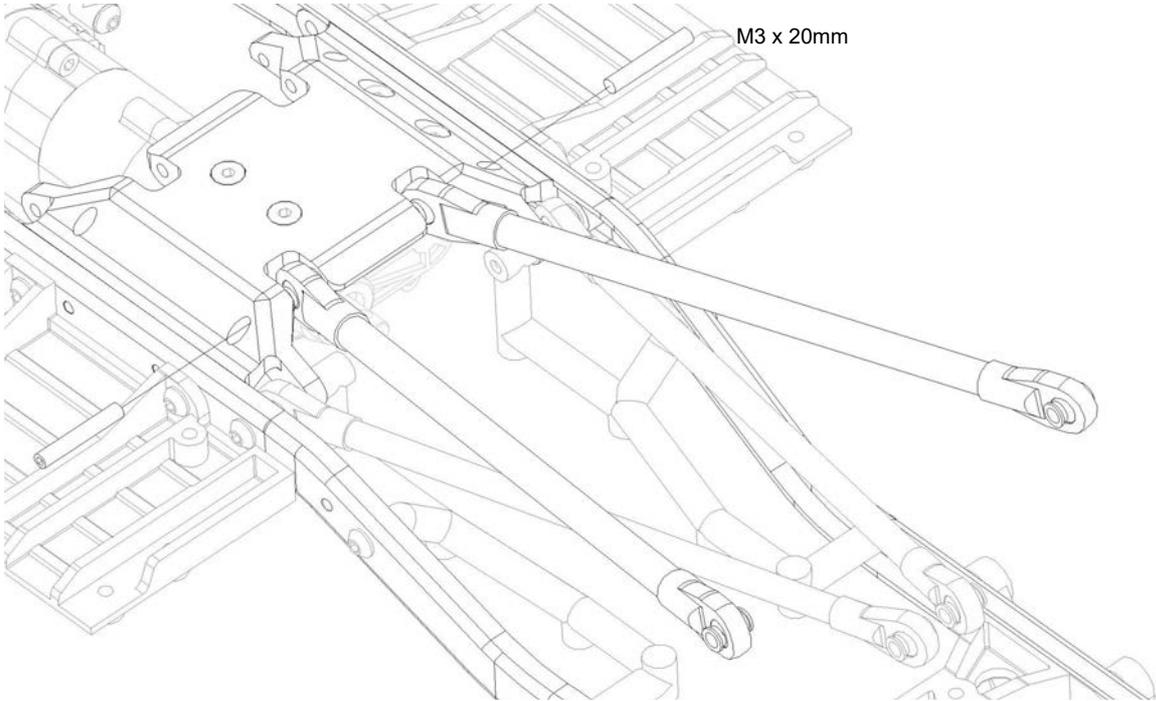
48 Aluminum rear bumper mount



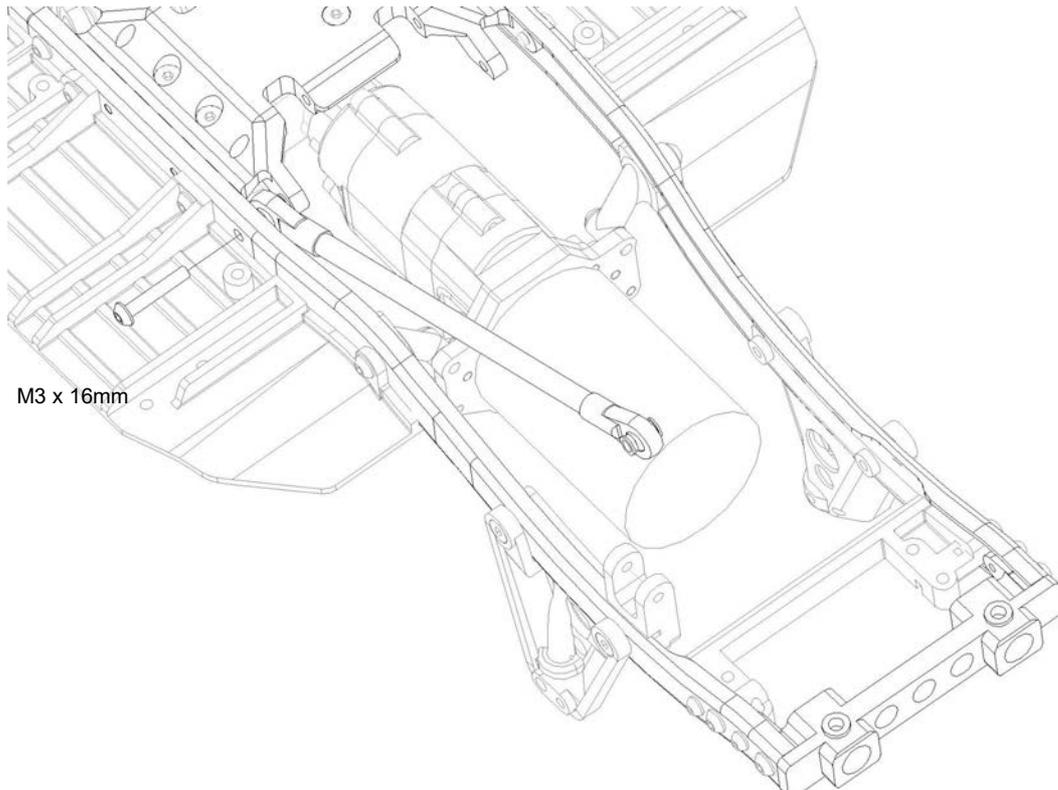
49 Rear upper links



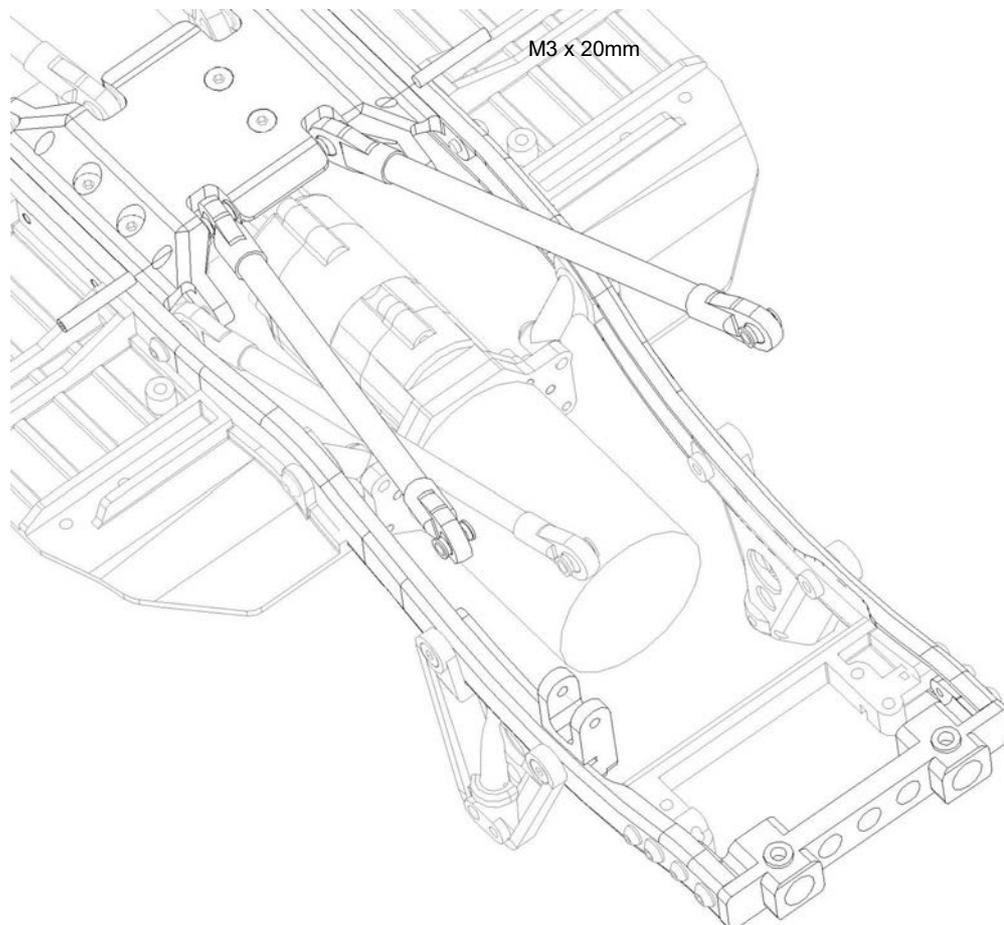
50 Rear lower links



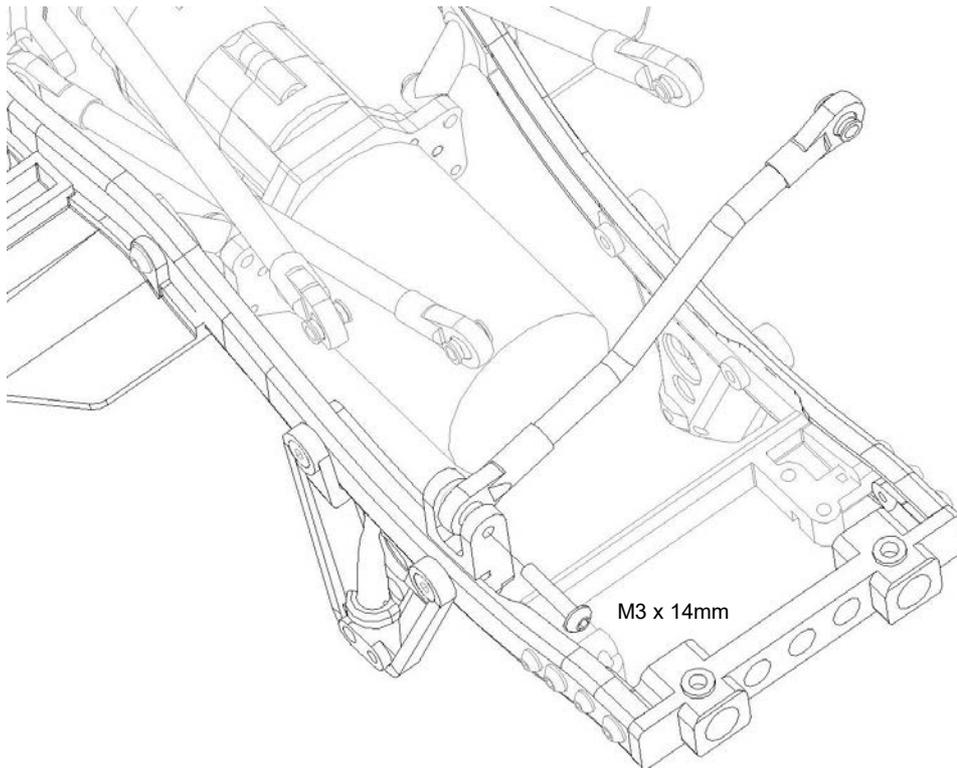
51 Front upper link



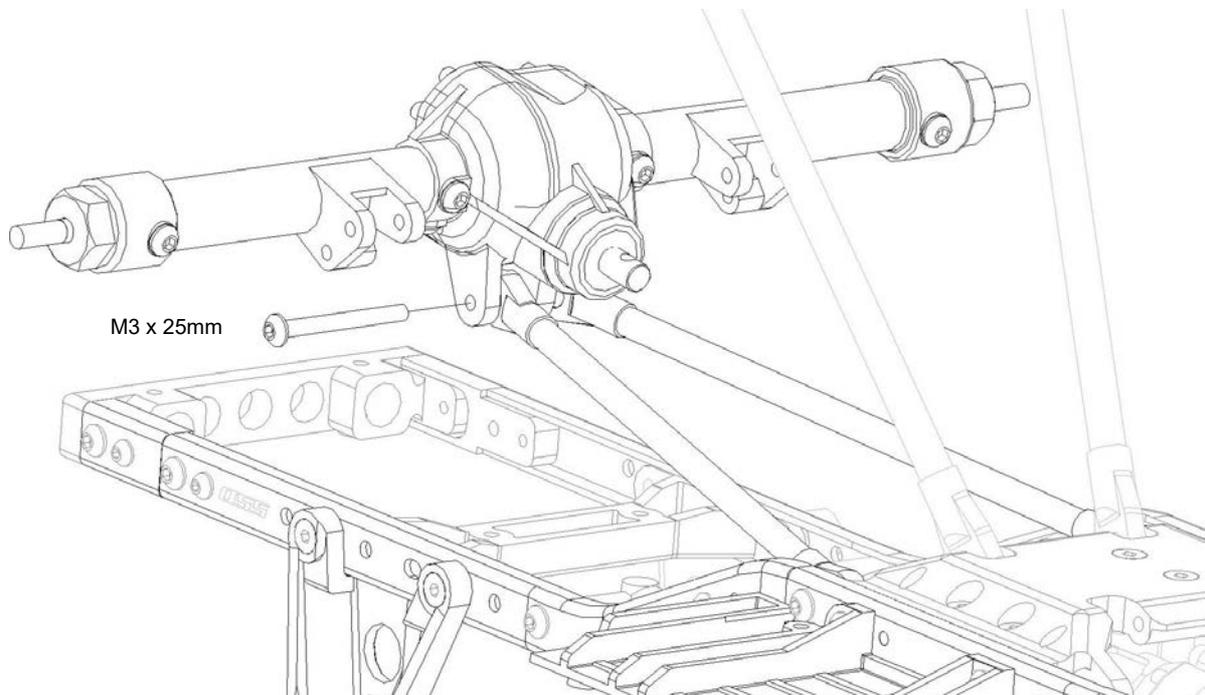
52 Front lower links



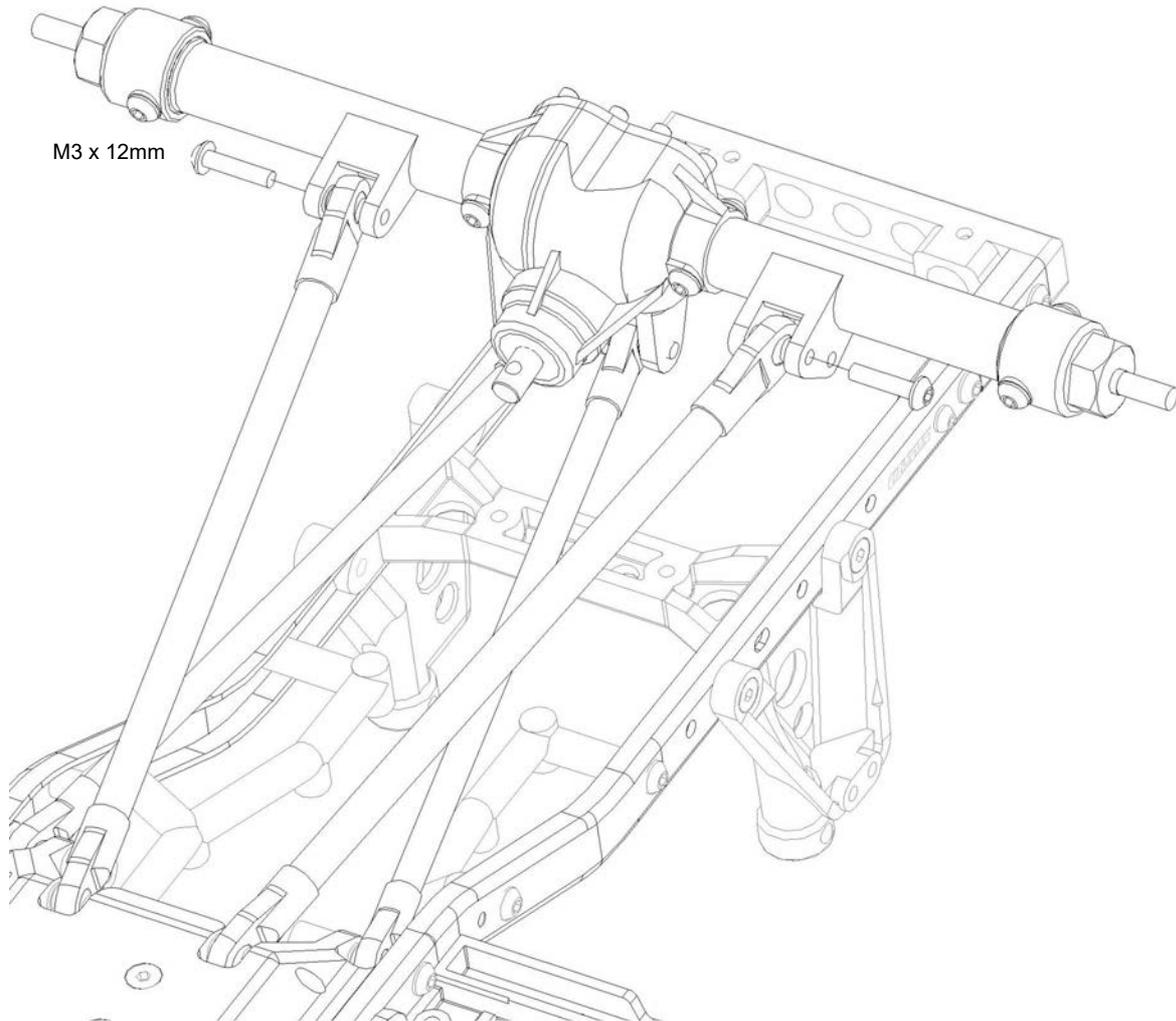
53 Panhard bar



54 Rear axle

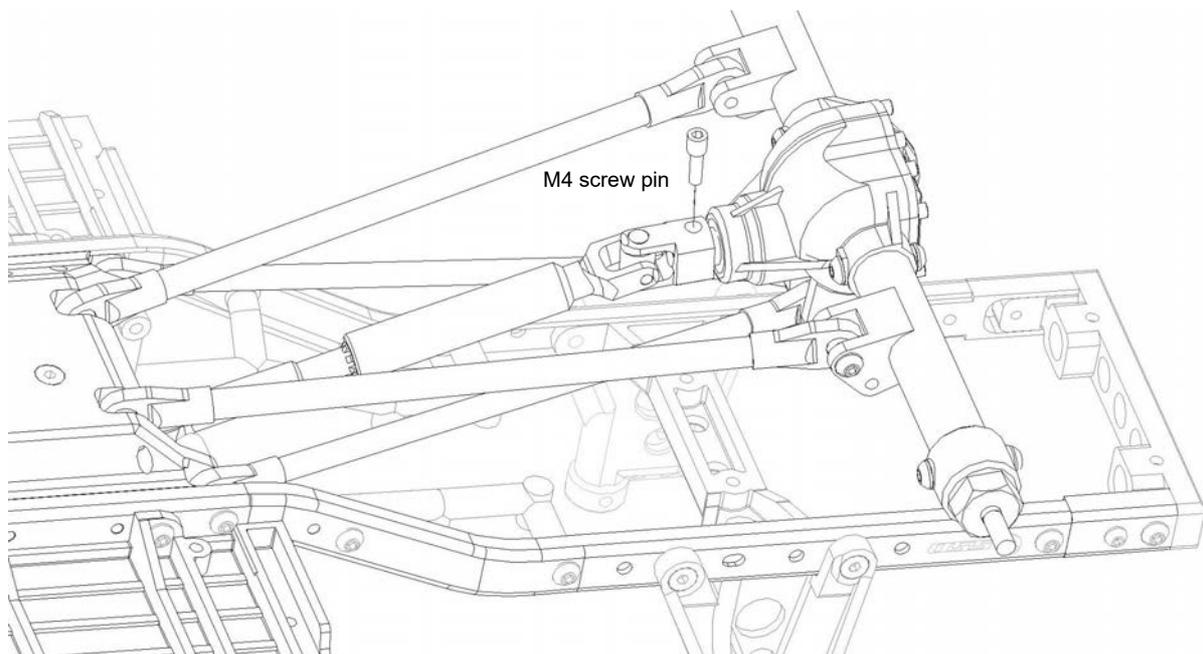


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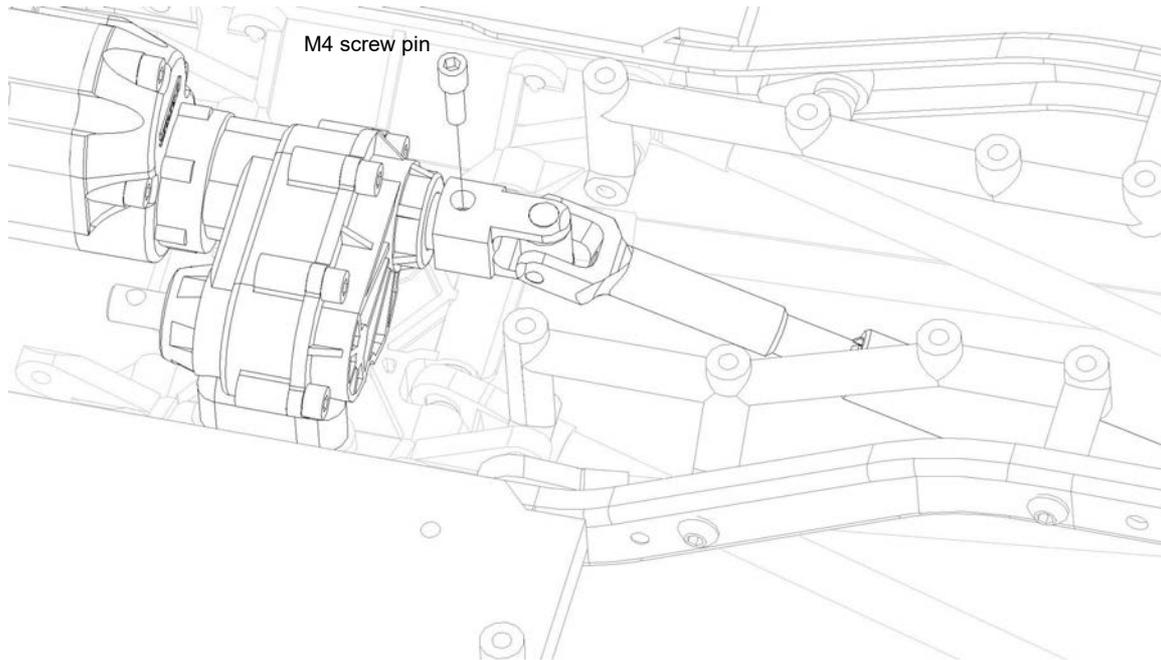


### Open Bag M - Driveshafts

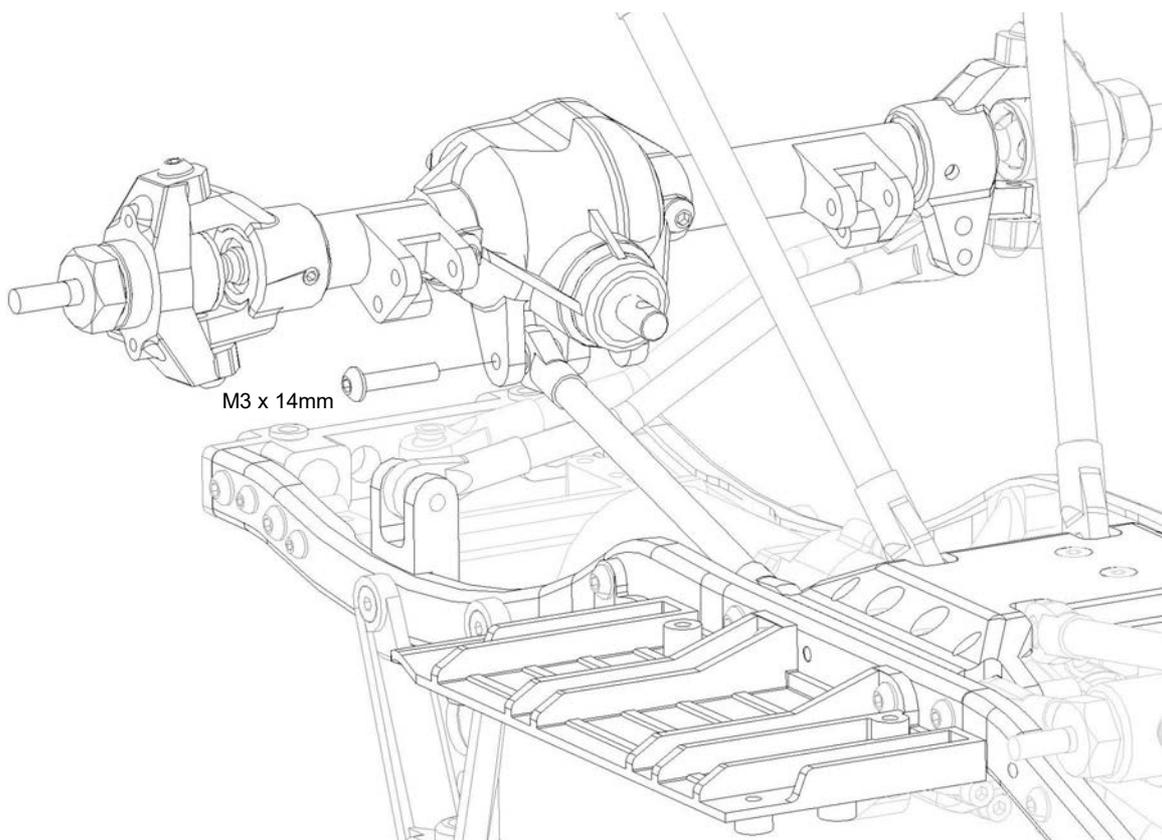
56 Rear (long) driveshaft



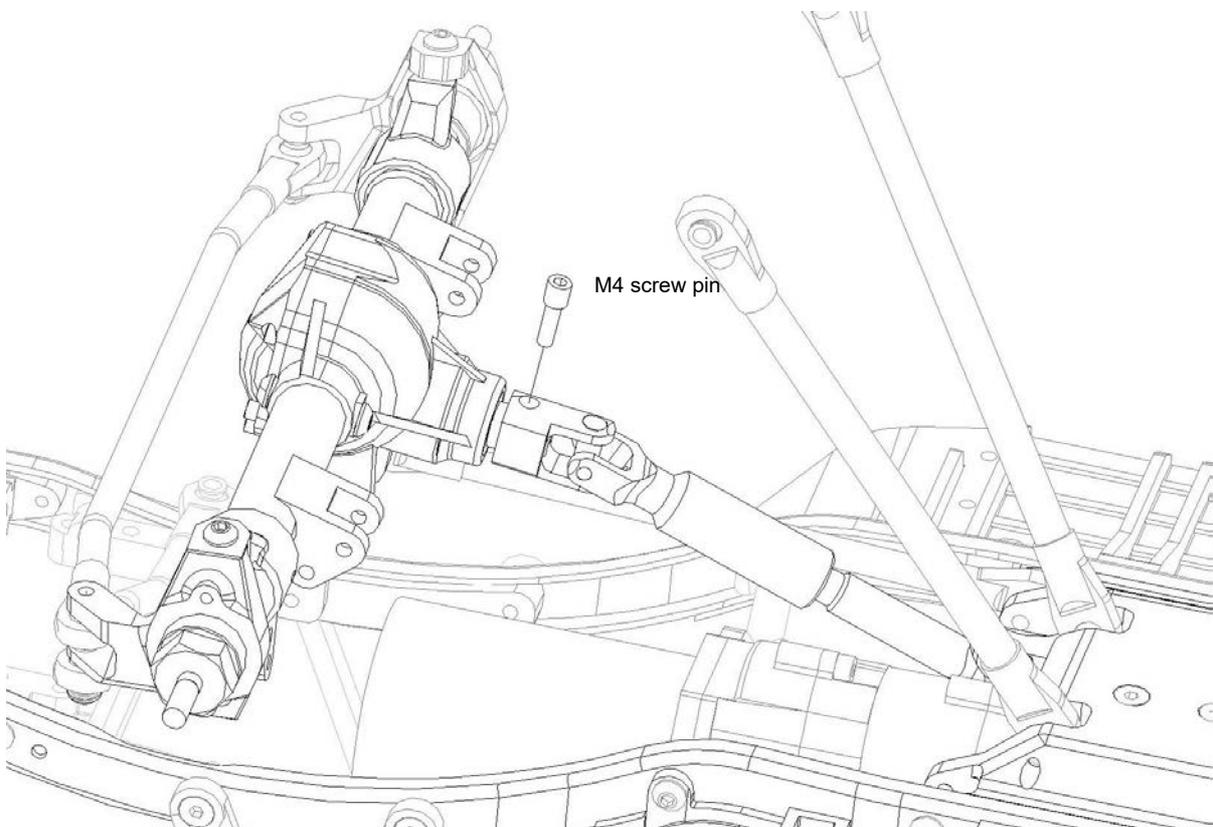
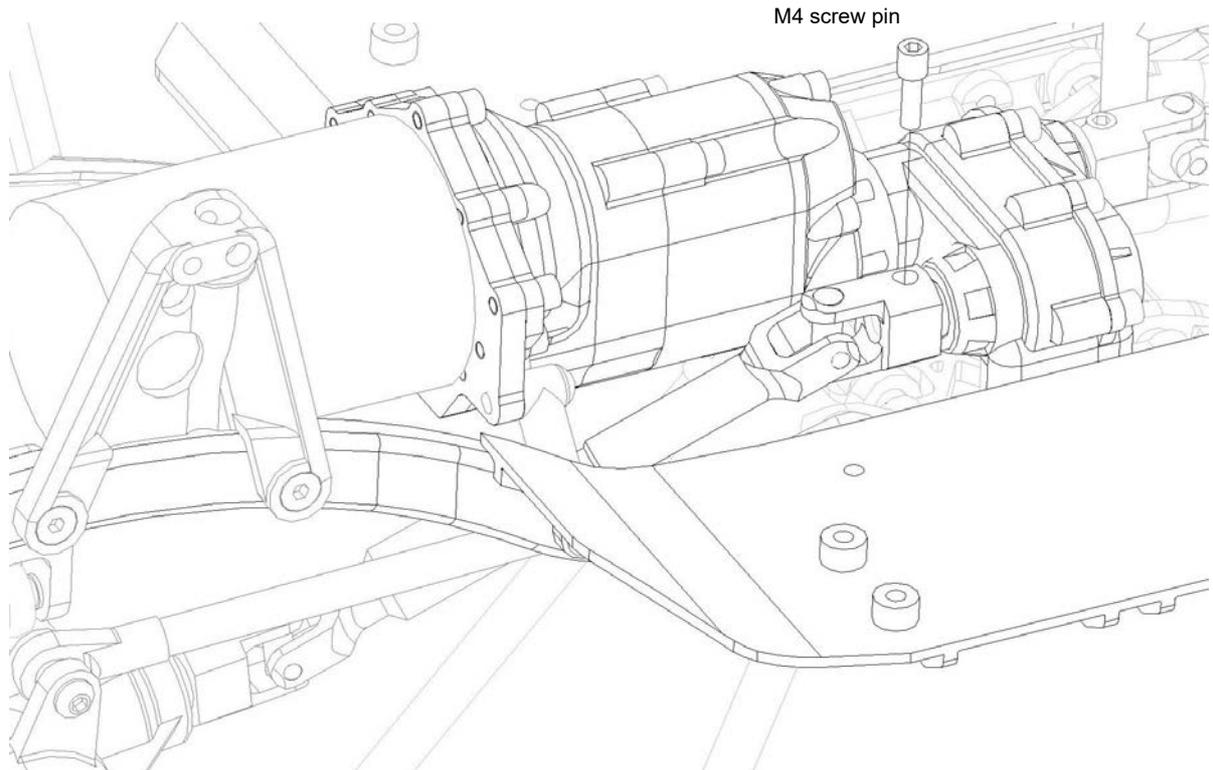
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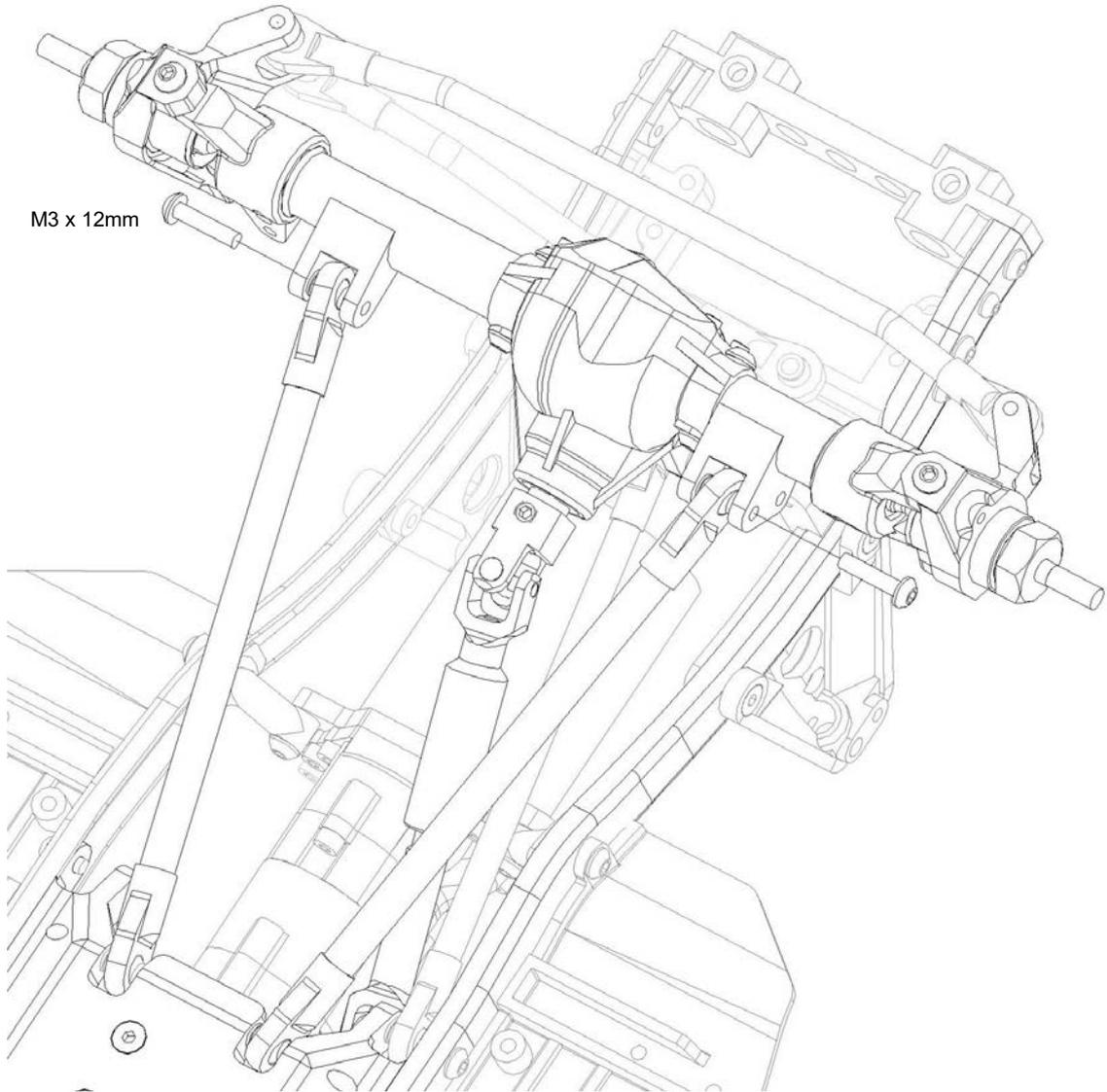
58 Front axle



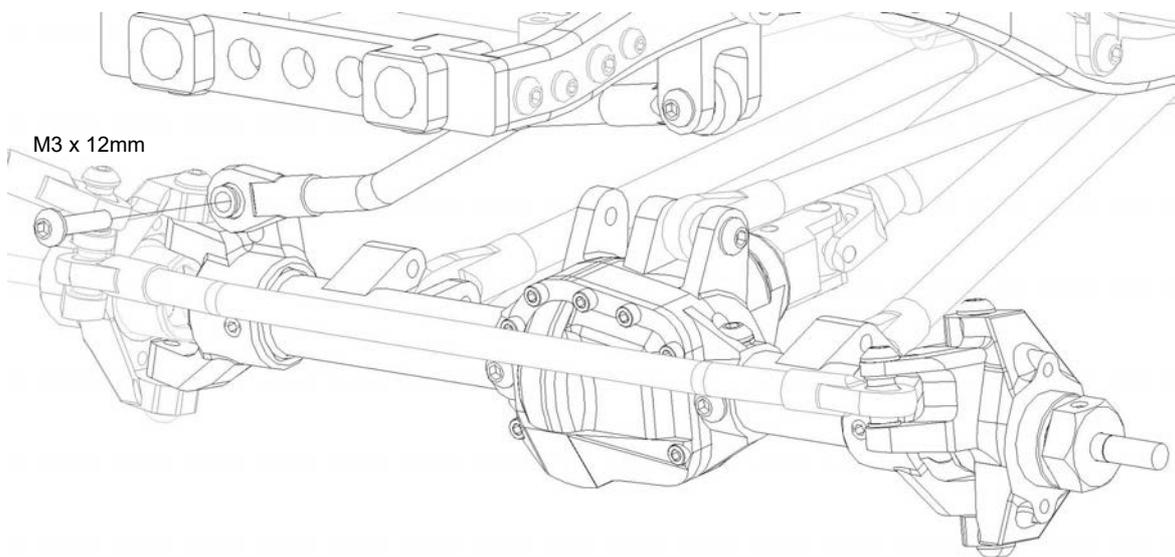
59 Front (short) driveshaft



60



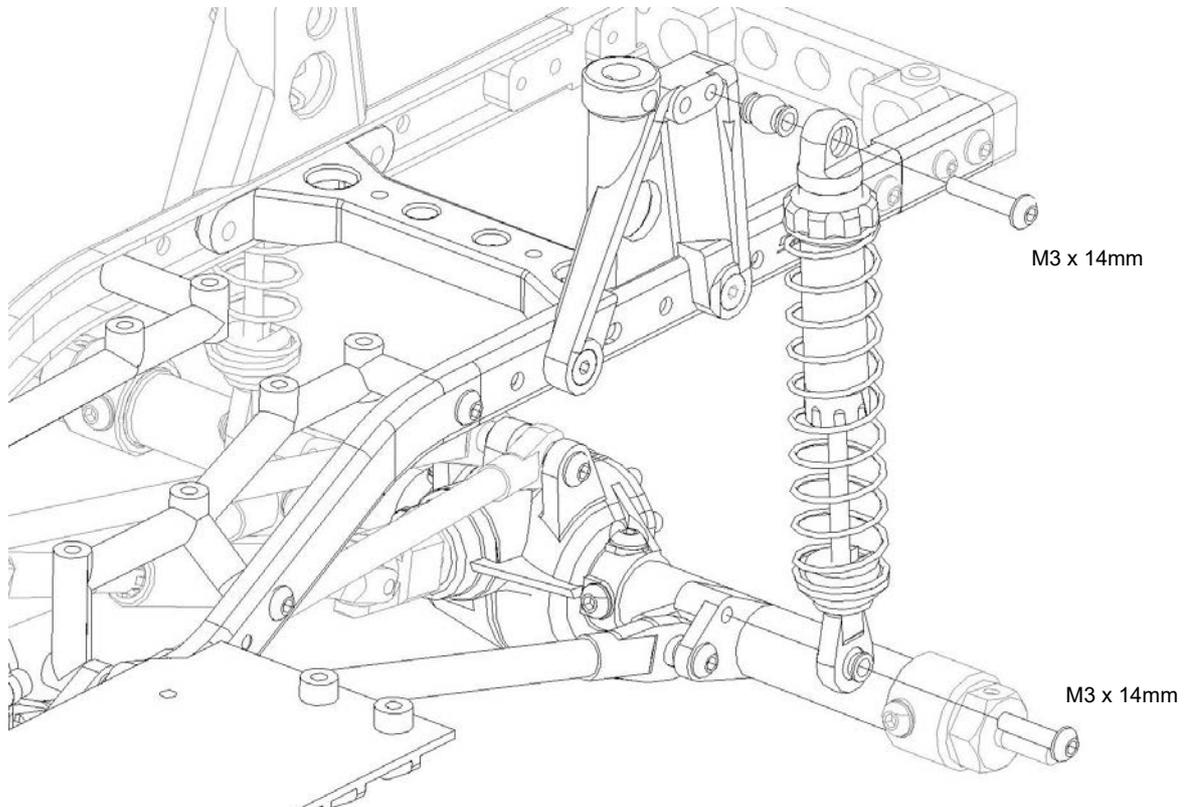
61



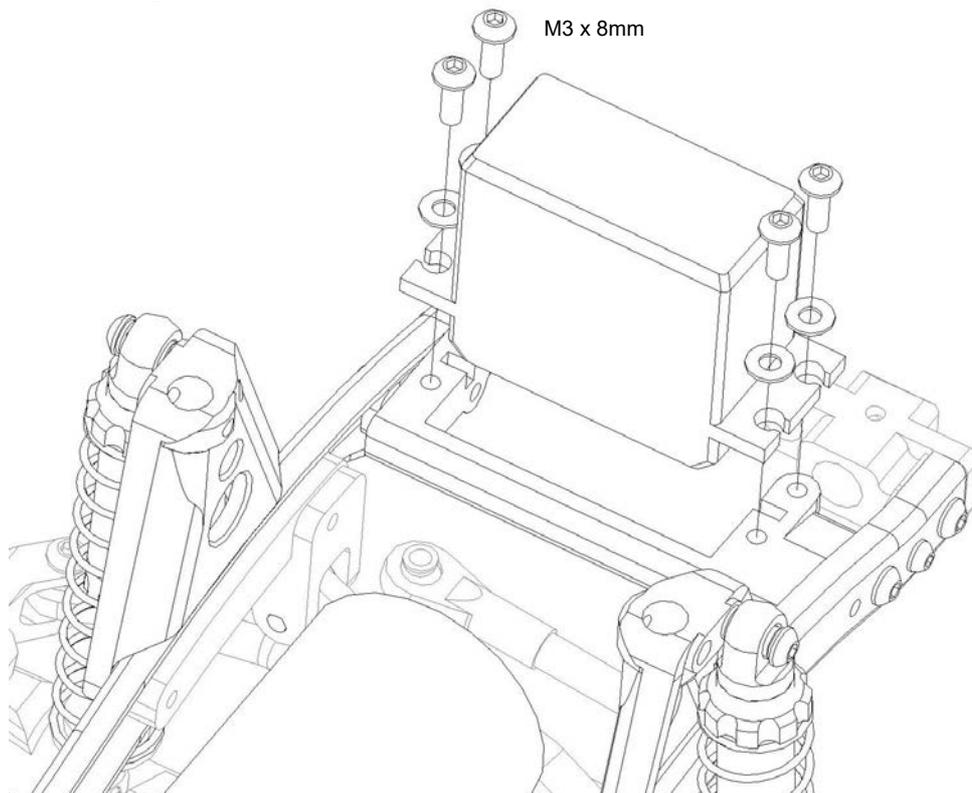
## Open Bag P – Aluminum Shocks

Put shock oil (not included) in all four shocks

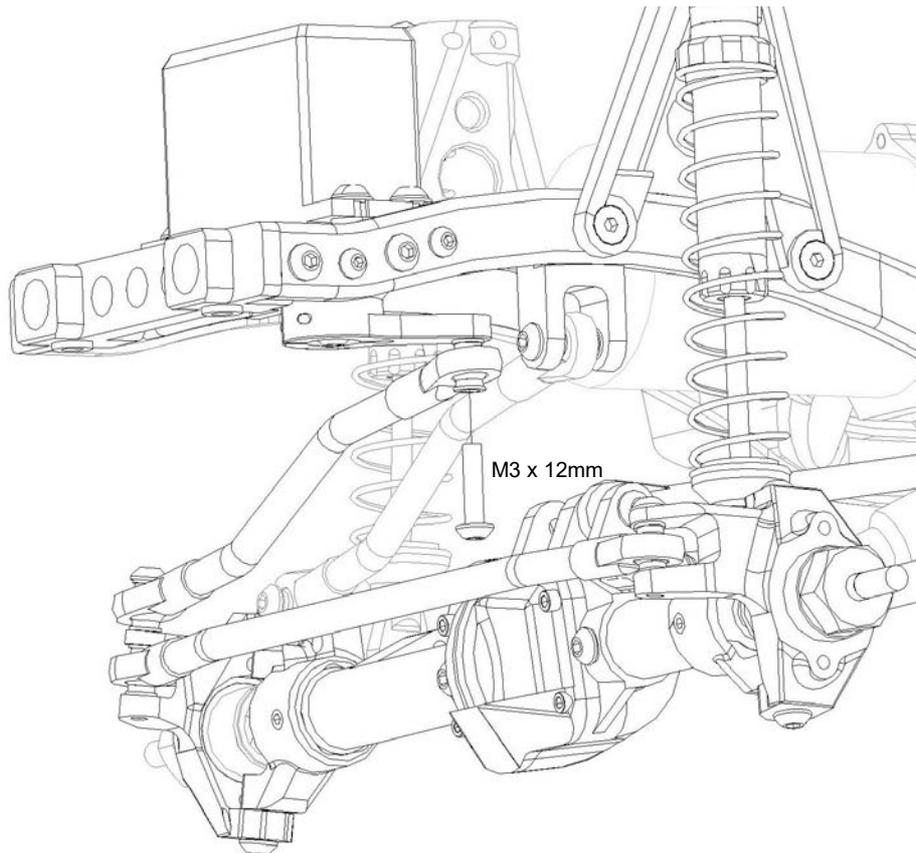
62 Attach all four shocks



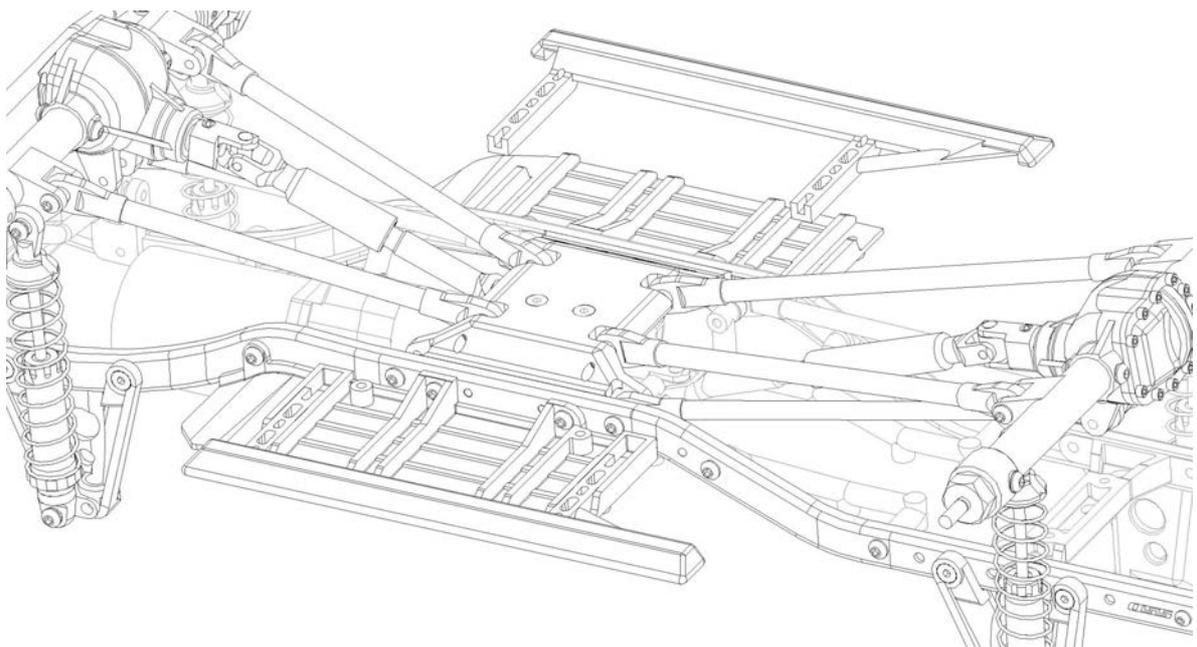
63 Install steering servo (not included)



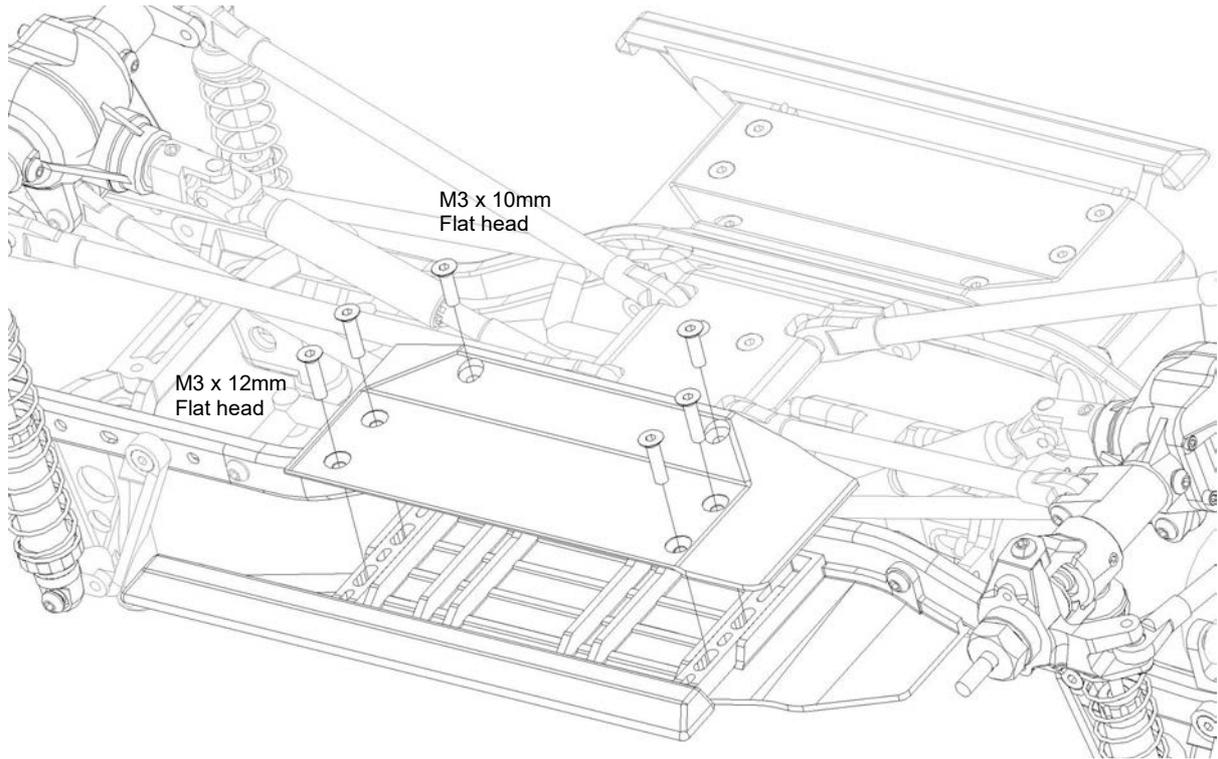
64 Use a 20mm Servo Horn (SSD00134)



65 Side sliders

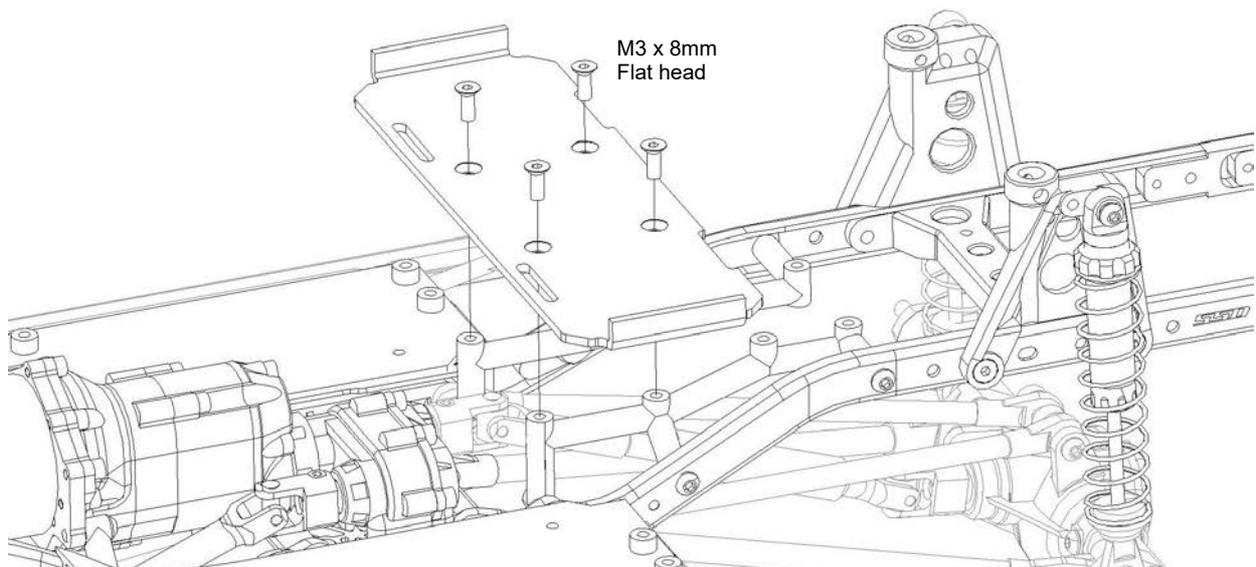


66

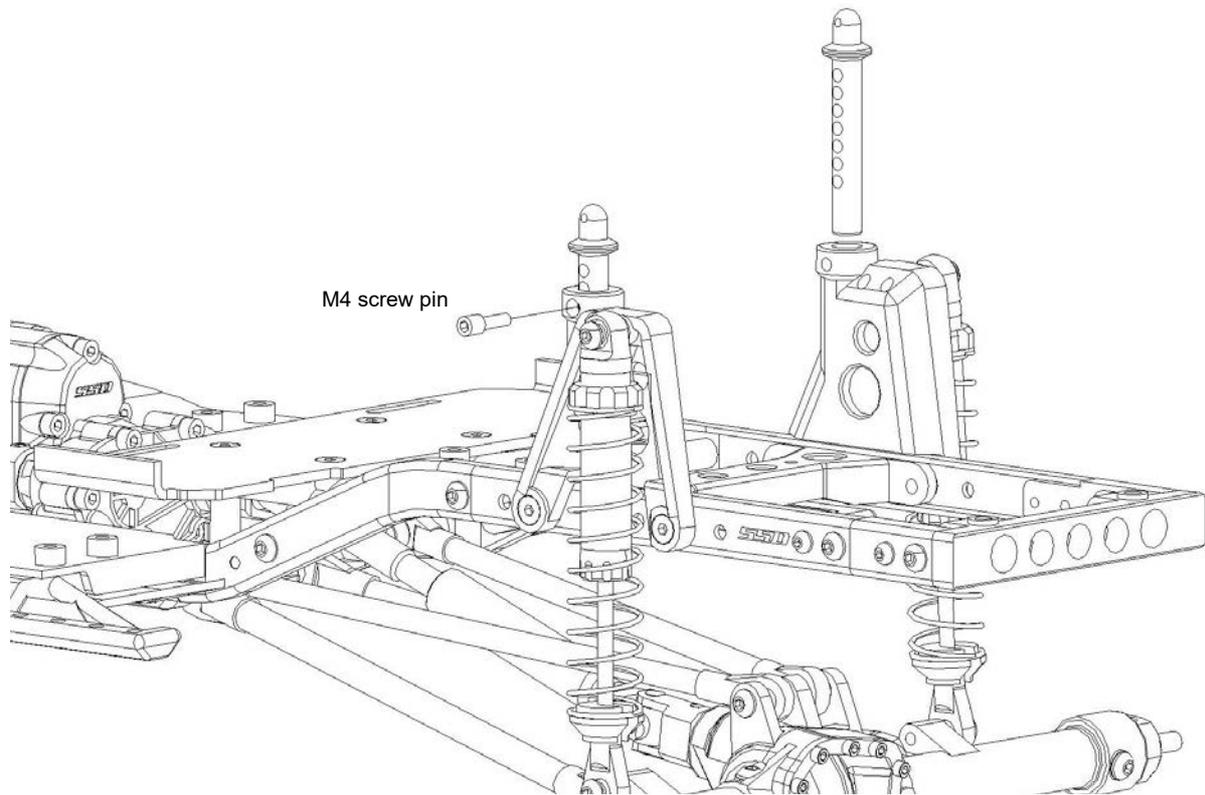


## Open Bag Q – Battery Tray

67

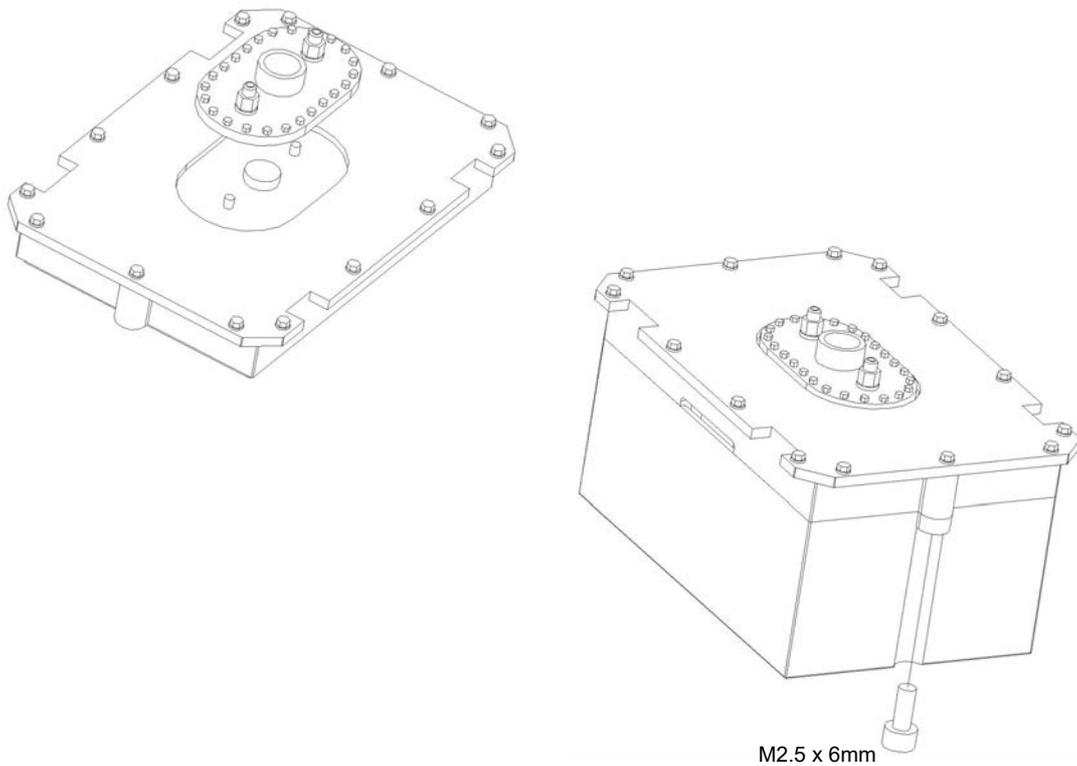


68 Install all body posts

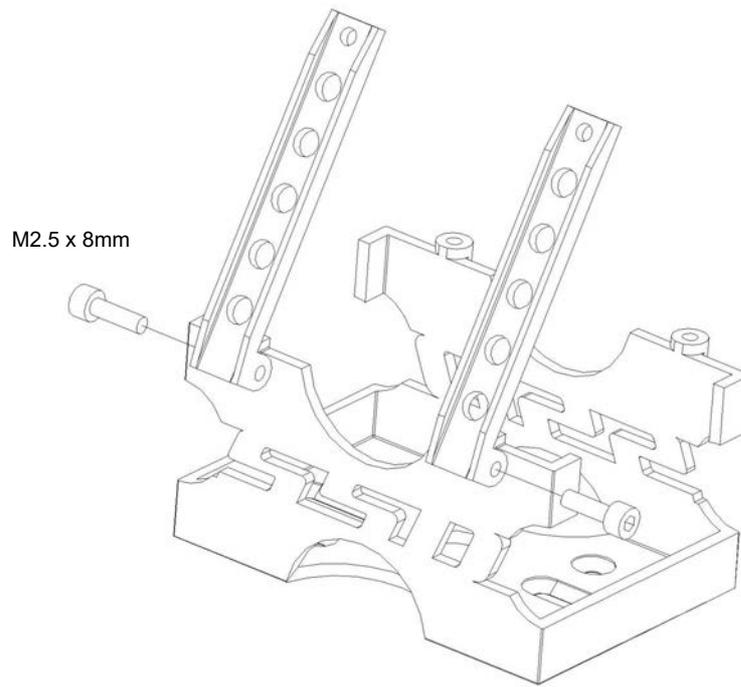


**Open Bag R – Fuel Cell**

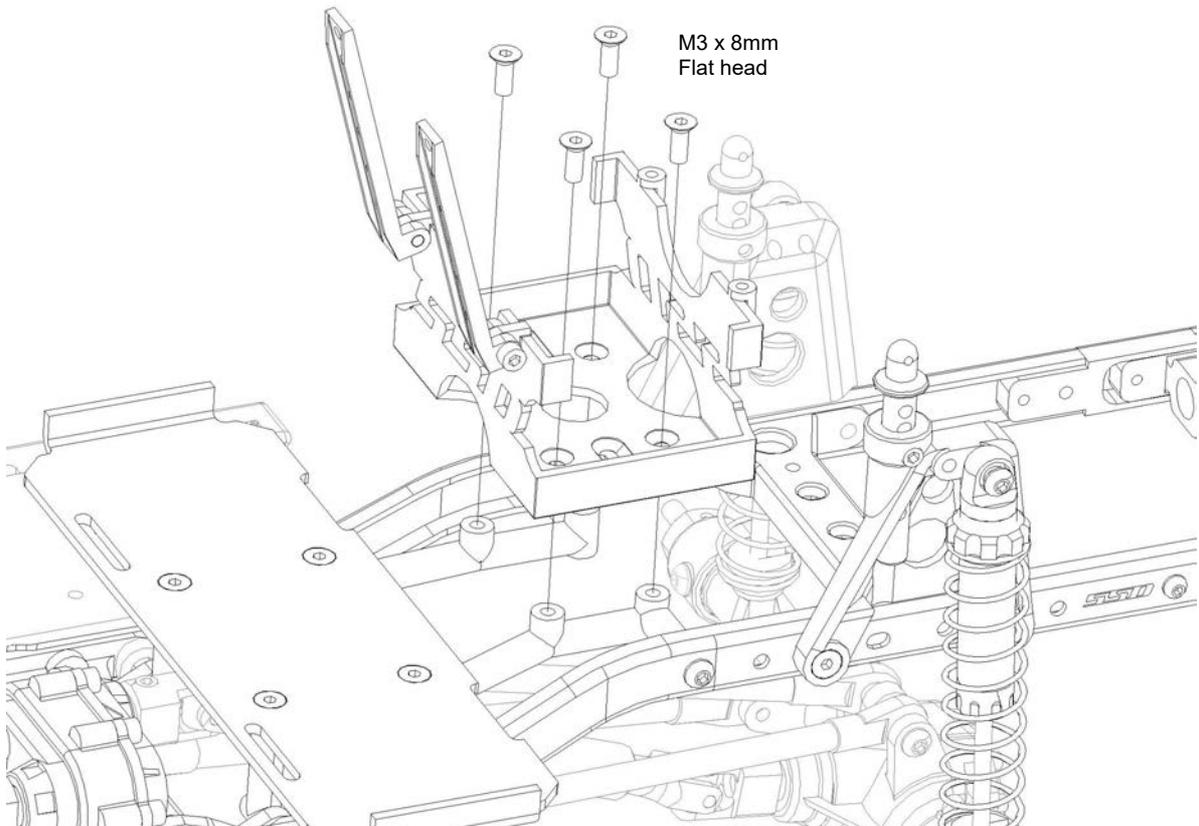
69 Use ABS plastic model glue/cement

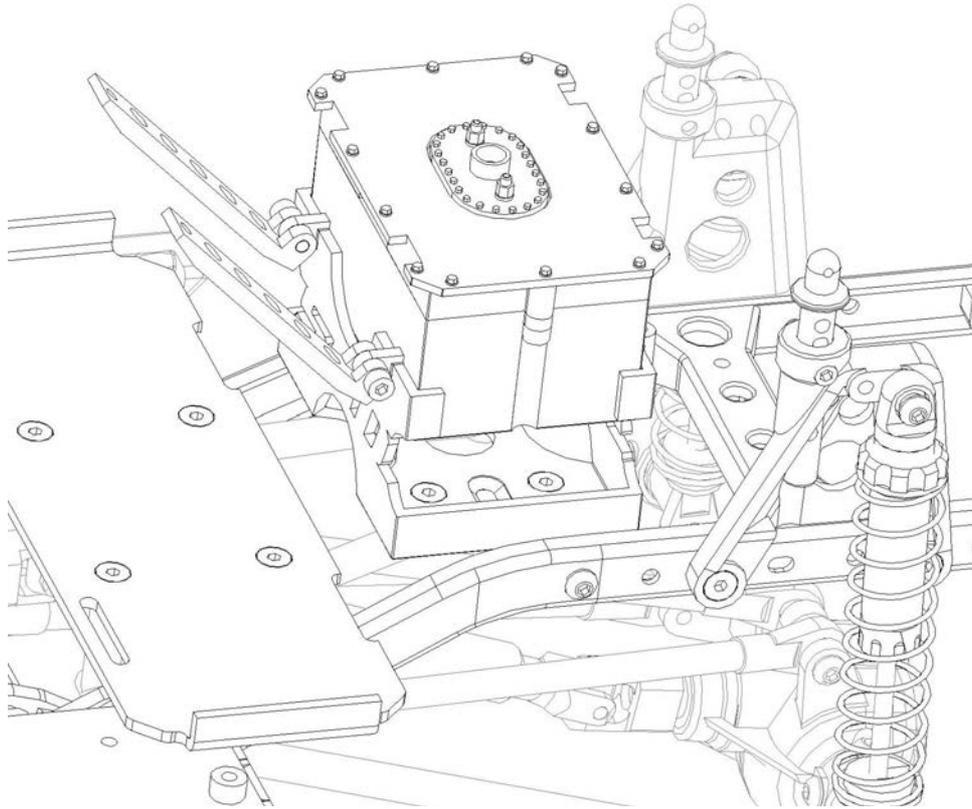


70

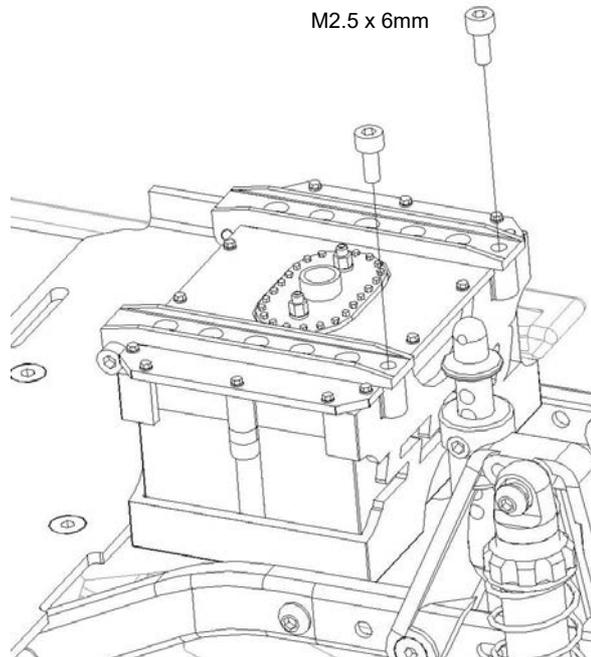


71



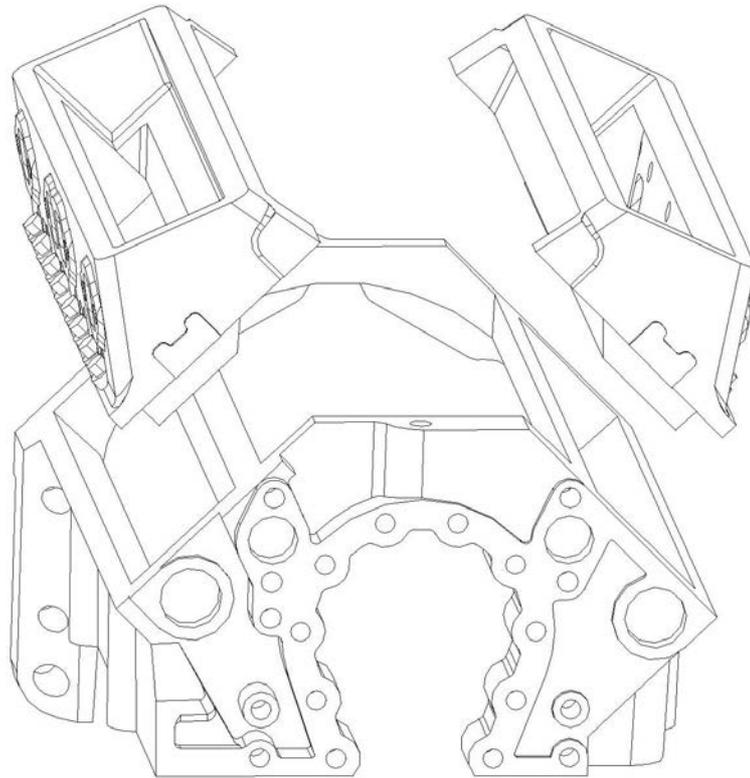


M2.5 x 6mm

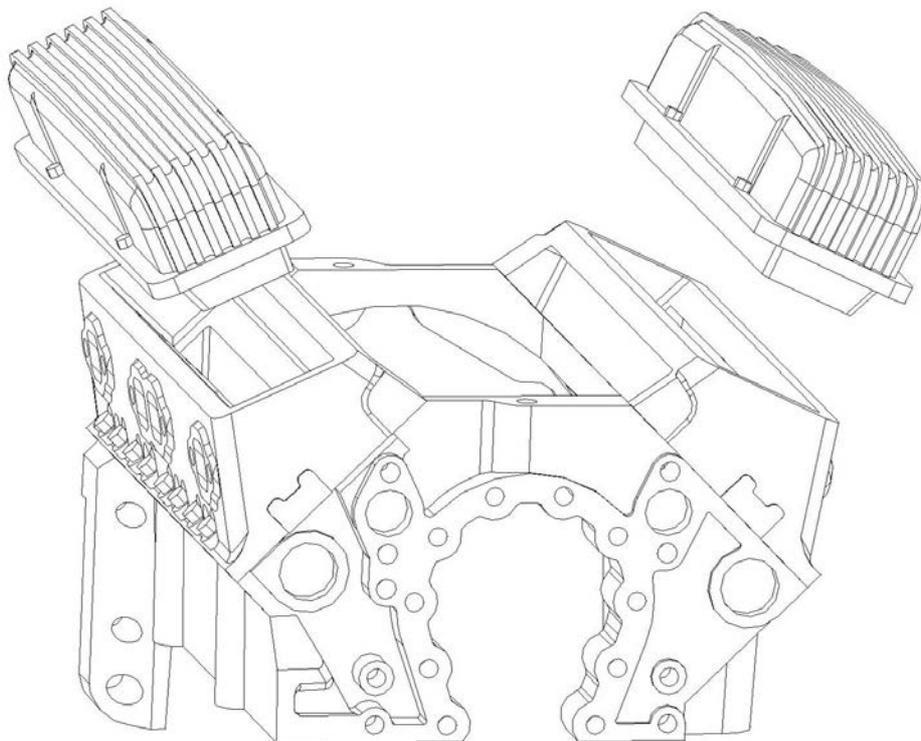


## Open Bag S - V8 Engine

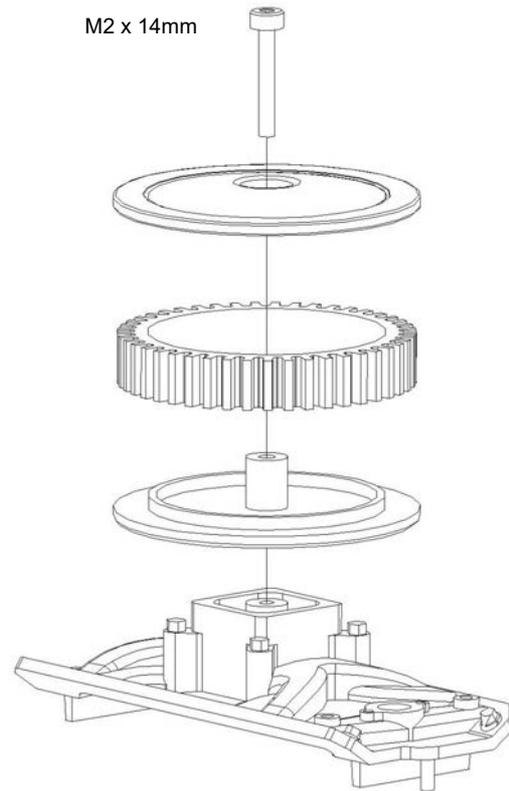
73 Use ABS plastic model glue/cement during engine assembly



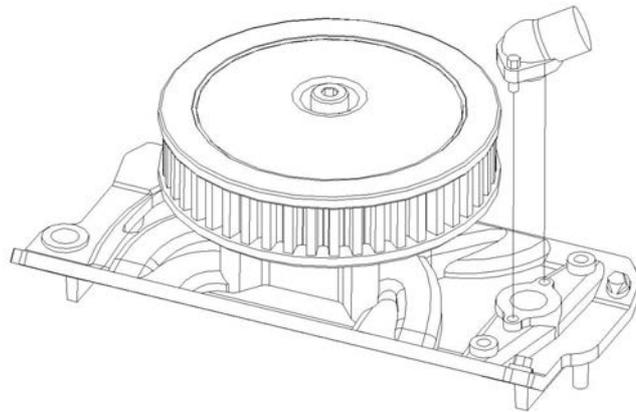
74



75



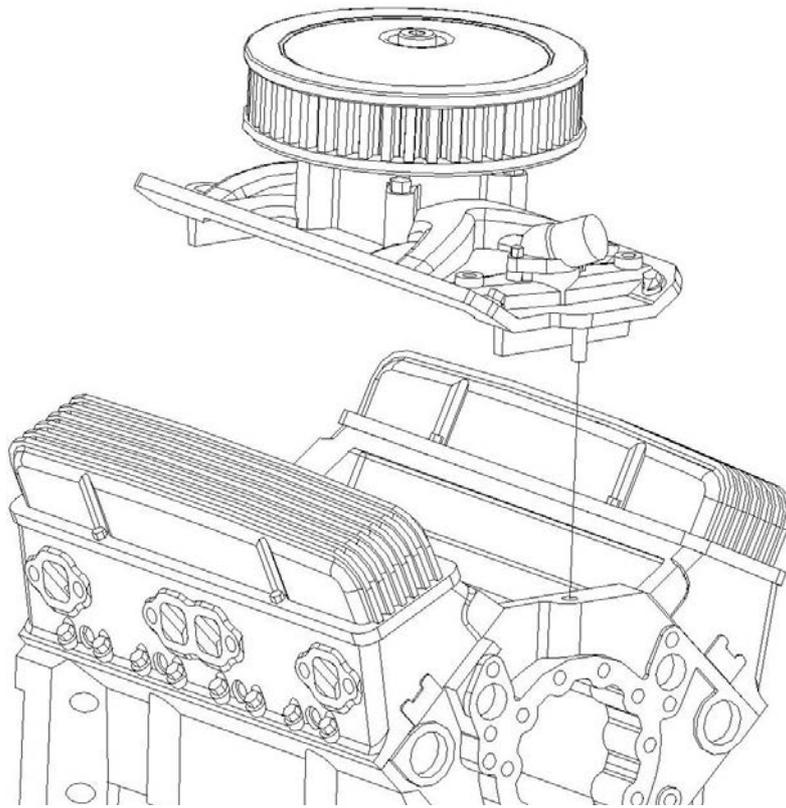
76



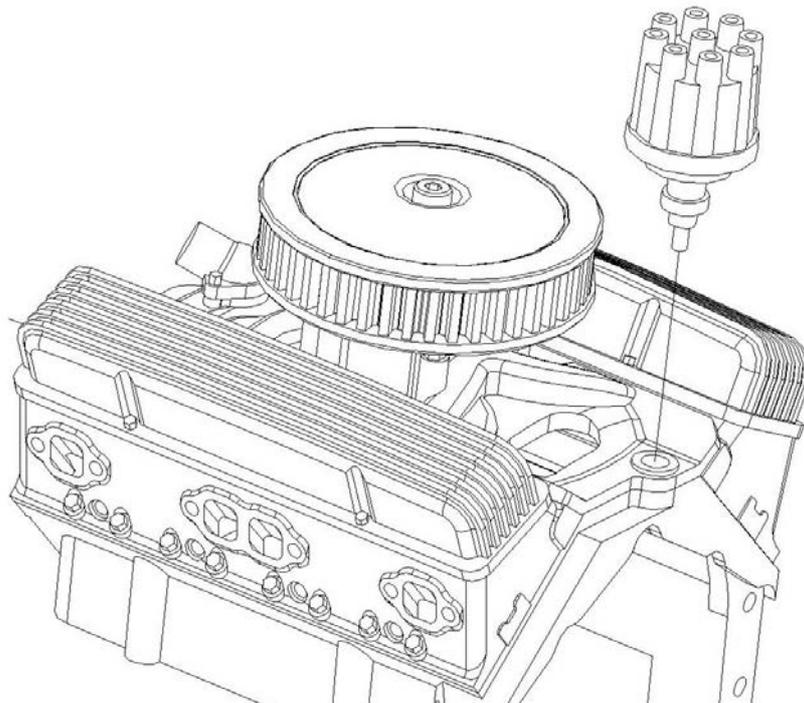
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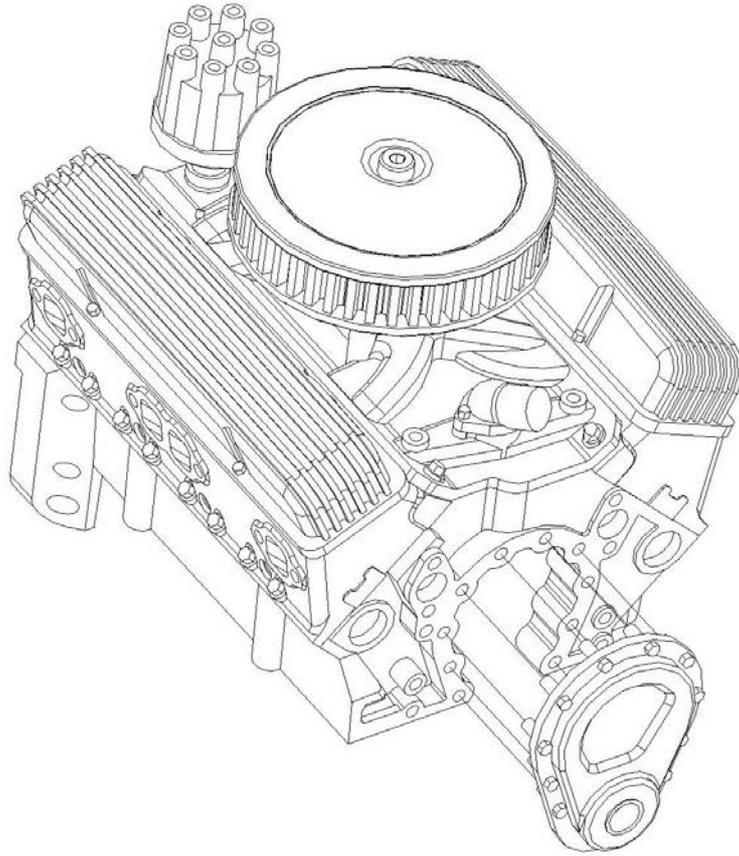
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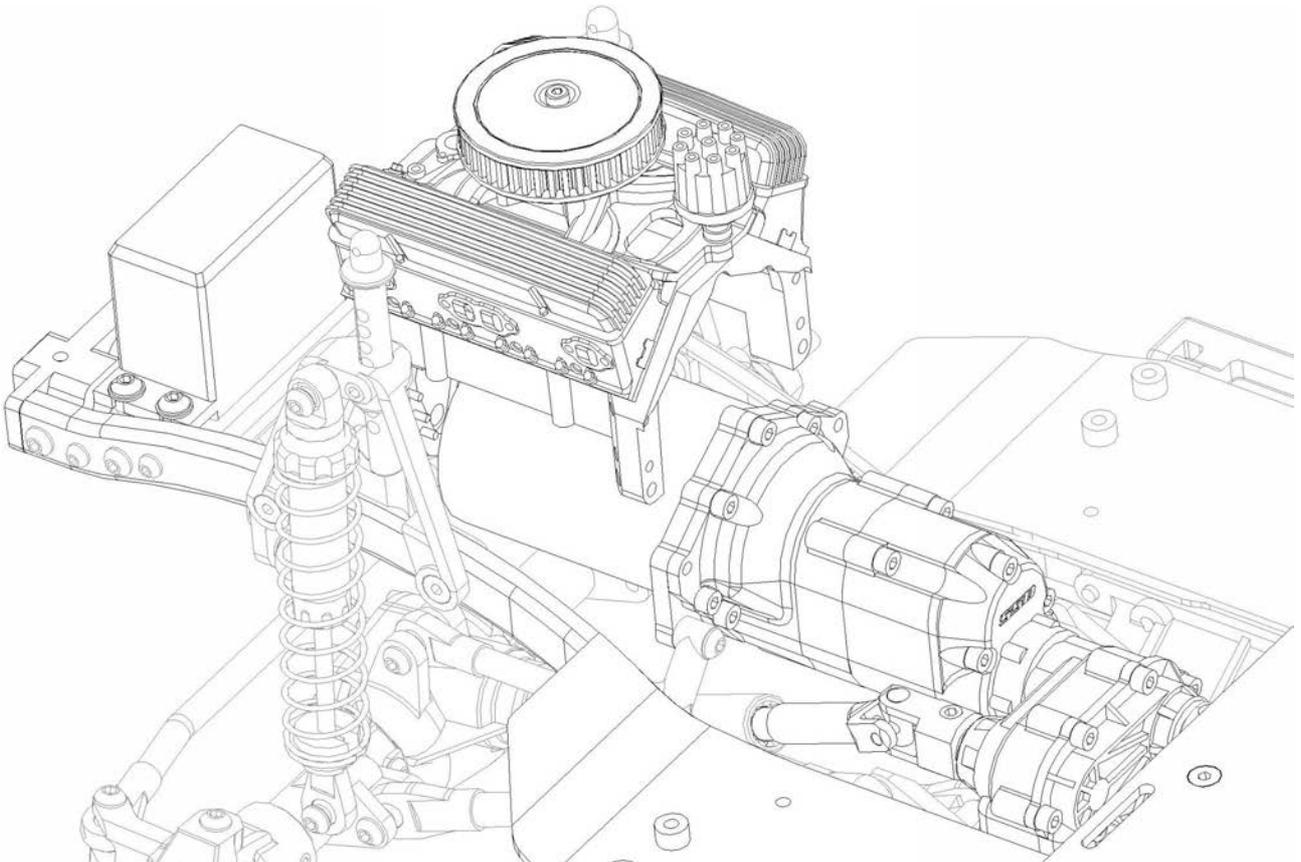
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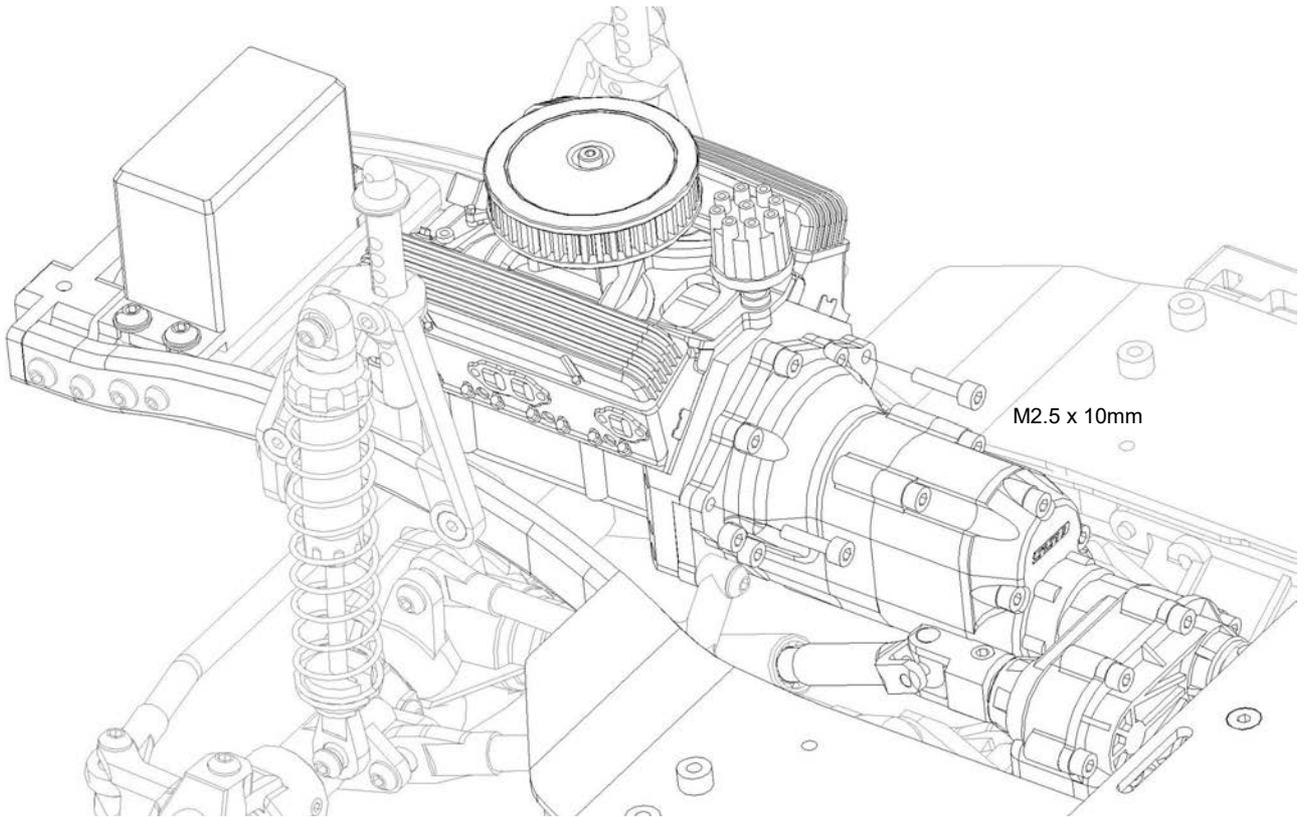
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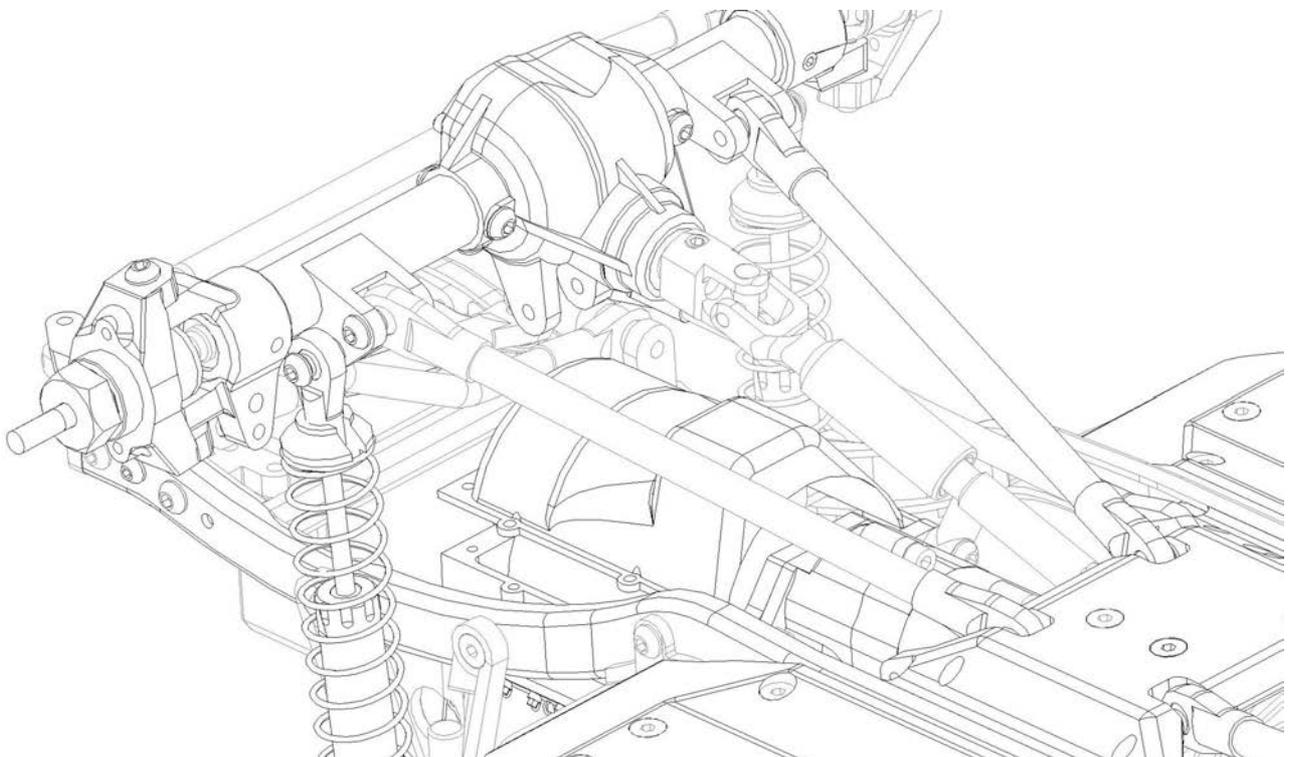
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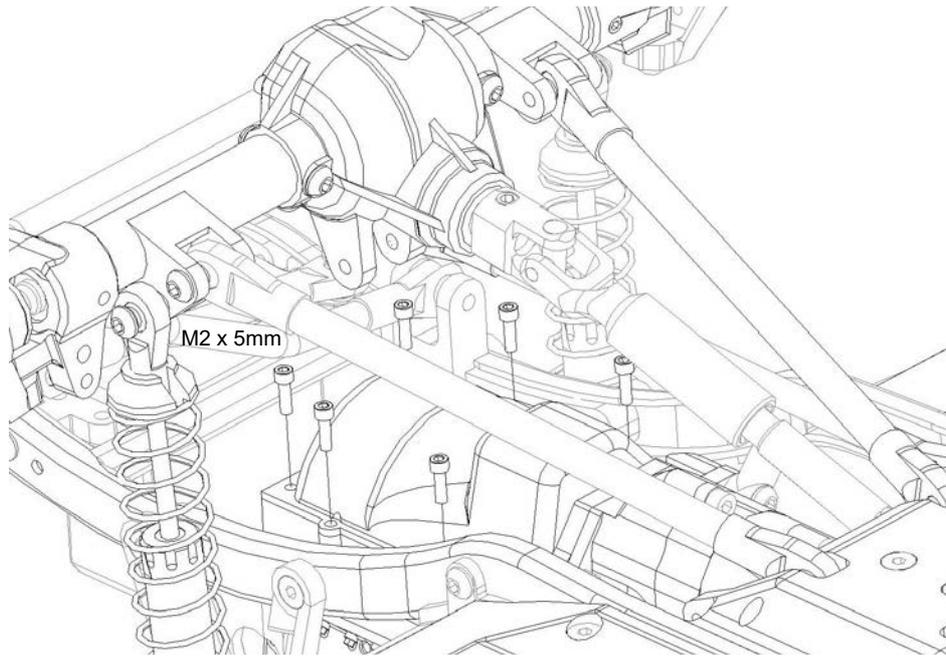


82



83 Oil pan/motor cover





## Bag T - Hardware

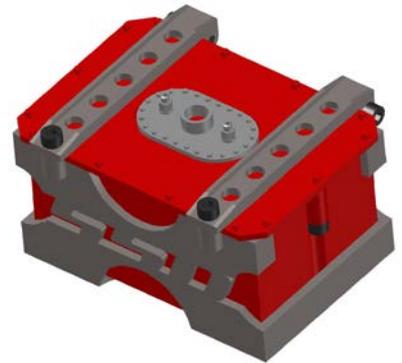
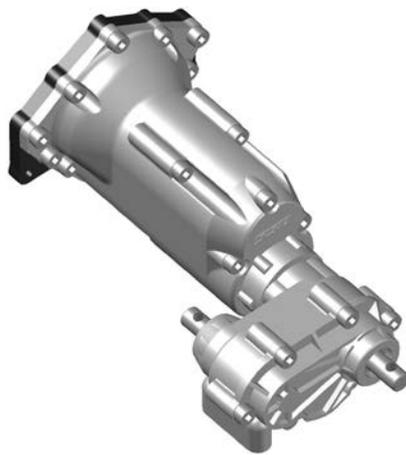
This bag contains the hardware needed to mount wheels, body and bumpers.

### Option Parts

- SSD00124 Stainless Steel Lower Links
- SSD00134 25T Servo Horn
- SSD00140 Brass Weights
- SSD00176 Rock Shield Aluminum Side Sliders
- SSD00193 Heavy Brass Knuckles
- SSD00206 305mm Wheelbase Conversion
- SSD00217 Pro44 Metal Bearing Clamps
- SSD00226 Diamond 44 Center Section
- SSD00227 Pro44 Metal Diff Cover
- SSD00230 Pro44 Metal Rear Axle Tubes

# TRAIL KING

PRO SCALE CHASSIS



SL70