

# マヤコ | Mayako



Instruction Manual MX8E-24R

Version 1.1

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It is recommended to check the latest base setup when building your MX8!  
This can be found on the Mayako website, Mayako Wiki or my.mayako pages (scan the QR code on your chassis)

## WELCOME TO THE MAYAKO COMMUNITY

Mayako is a brand building more than an industry leading 8th scale platform. We know that performance at the track is just the beginning of your enjoyment in RC.

Every purchase of a Mayako MX8 invites you to the growing Worldwide Community of passionate individuals. When you purchase your kit directly from Mayako, a link to the Mayako Discord is provided in the confirmation email. Alternatively, scan the QR code on the chassis to unlock the full potential of your new purchase!

The MX8 is designed to be easy to drive and adjust out of the box, building on the success of the MX8-22. This manual provides the instructions to build the MX8E-24R, which has a configuration of:

- High KPI knuckles and hubs (KPI 1 / Caster 1)
- Front and rear upper links for a forgiving car
- 5x1.5mm pistons front and rear
- Medium (Brown) springs front and rear
- 2.3mm front roll bar and 2.5mm rear roll bar

With any questions or issues, please contact us!

# SHOCK --- BUILD

NYLON LOCK NUT M2.5

MYB0171 - 5 x 1.5mm

MYB0142A

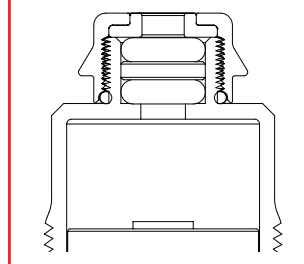
2.6x6x0.5

**x2**  
MAKE 2



Use Oring grease or silicone oil to lubricate orings

Check Orings and spacers position



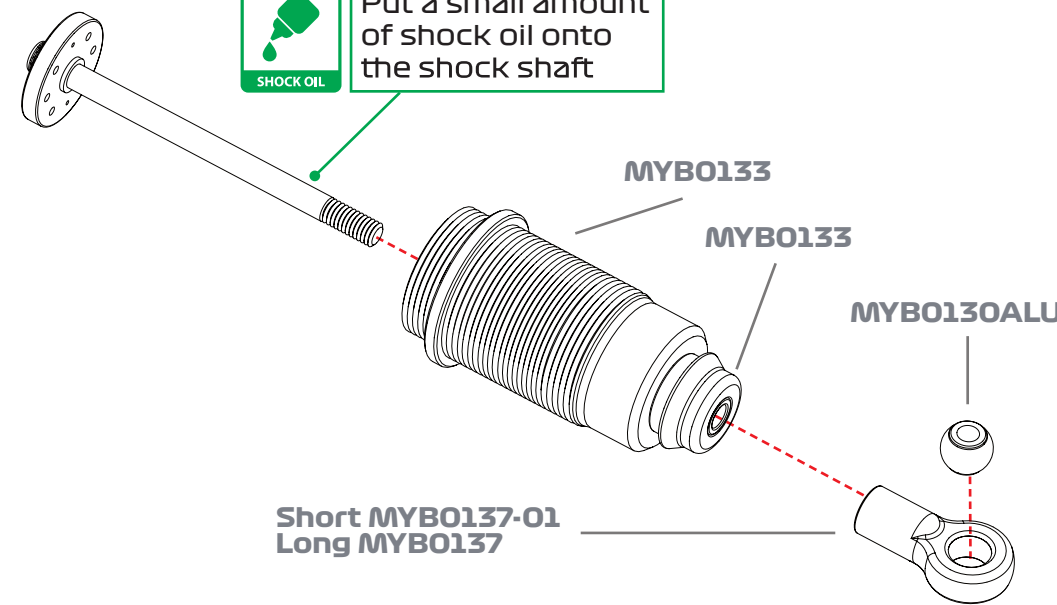
MYB0136

**NOTE**  
Both long and shock ends are included in the kit. For standard setup, use the short shock ends

**x2**  
MAKE 2

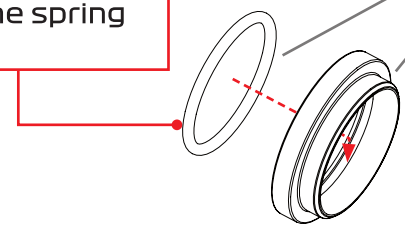


Put a small amount of shock oil onto the shock shaft



Insert the Oring inside the spring collar

MYB01235



**x2**  
MAKE 2

MYH0039



MYH0006



**OPTIONS**

- MYB0142-01A Long shock shaft
- MYB0171 Piston 5x1,5
- MYB0172 Piston 6x1,3
- MYB0174 Piston 8x1,3
- MYB0176 Piston 7x1,3
- MYB0177 Piston 7x1,4
- MYB0173 Piston 8x1,2
- MYB0175 Piston blank

**Normal oil for 20deg is:**

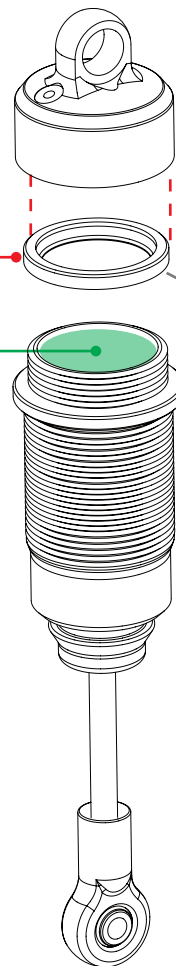
- 5x1.5/5x1.5 - 600/450
- 6x1.3/6x1.4 - 500/450
- 7x1.3/7x1.4 - 550/550
- 8x1.2/8x1.3 - 550/500



Push the Oring into the shock cap



Fill up with silicone oil

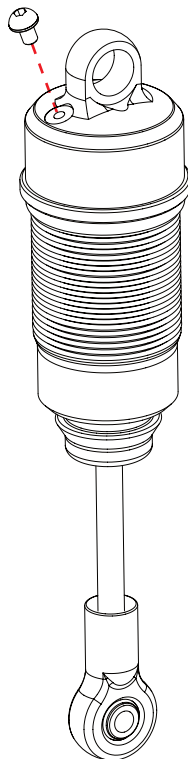


**x2**  
MAKE 2

MYB0132

M2x4

**x2**  
MAKE 2



**SHOCK OIL AT 20°C**

Piston	CST	SHOCK OIL
5x1.5	600	MX8E-24R
6x1.3	500	
7x1.3	550	
8x1.2	550	

Below 15°C  
Adjust 50 cst thinner

Above 25°C  
Adjust 50 cst thicker



**HOW TO BLEED YOUR SHOCK**

1. Fill up the shock with silicone oil.
2. Fully extend the shock rod.
3. Move the shock slowly up and down to let all air bubbles out.
4. Apply the cap and fully close (do not overtighten and do not use any tool to close it).
5. Push slowly the shock shaft all the way in to let all bubbles come out of the hole in the shock cap.
6. With the shock shaft all the way in, assemble the screw in the shock cap.

MYH0026

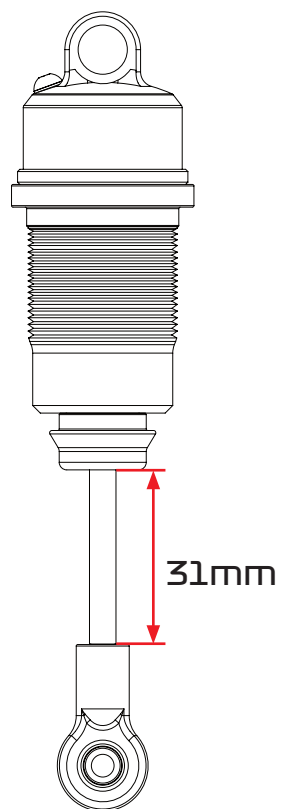


SCREW M2x4 x2

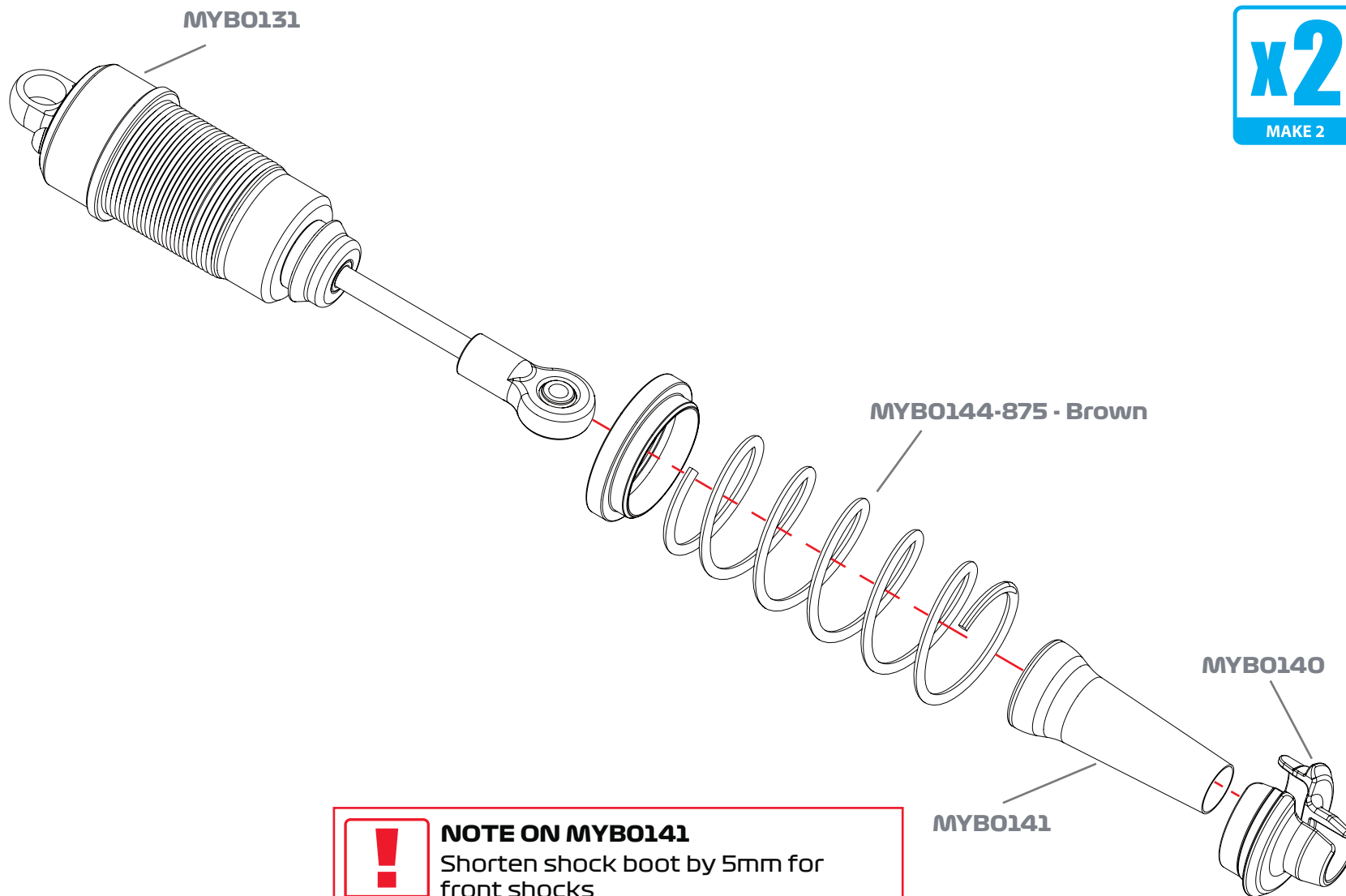


**FRONT SHOCK LENGTH**

Measure the shock length fully extended



31mm

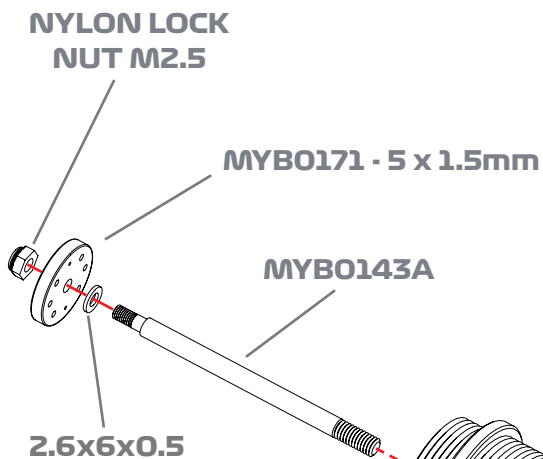


**NOTE ON MYB0141**  
Shorten shock boot by 5mm for front shocks

**OPTIONS**

**Progressive**  
MYB0146-654 Black  
MYB0146-704 Grey  
MYB146-754 Silver

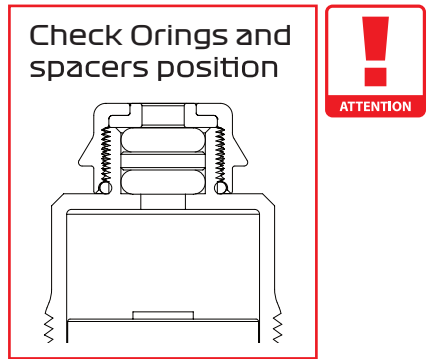
**Linear**  
MYB0144-85 Black  
MYB0144-875 Grey  
MYB0144-90 Silver



x2  
MAKE 2

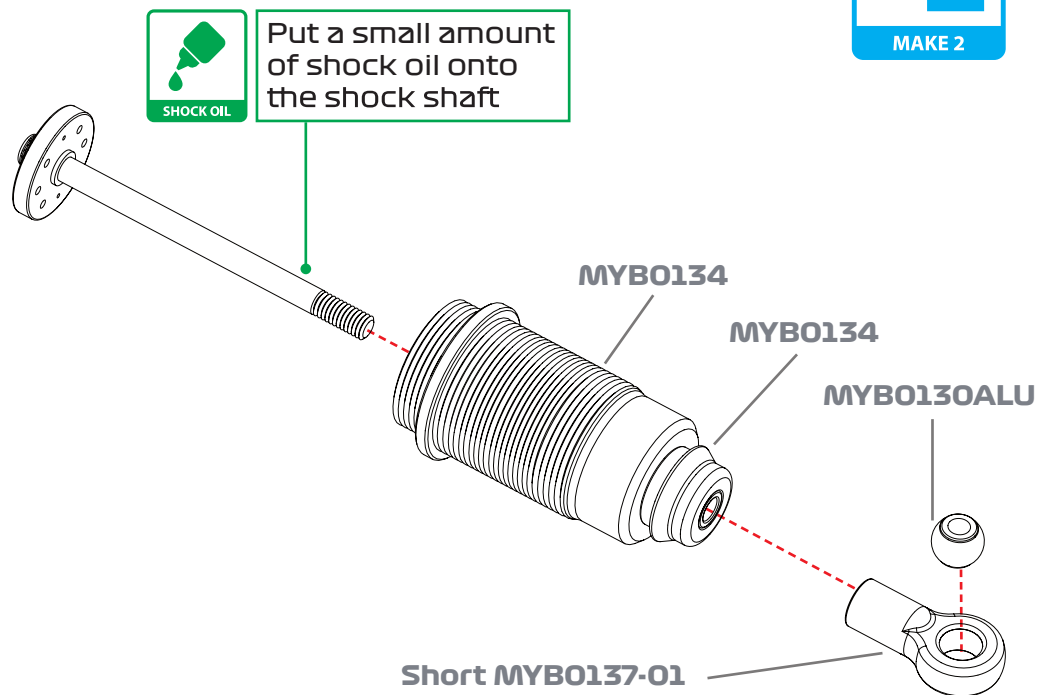
ORING GREASE

Use Oring grease or silicone oil to lubricate orings



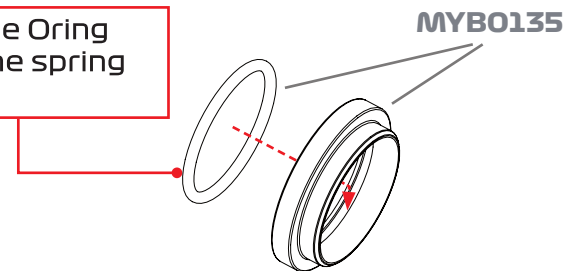
MYB0143

x2  
MAKE 2

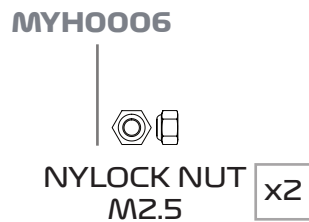
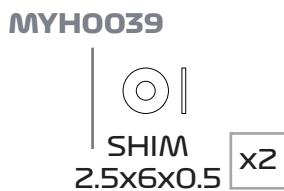


ATTENTION

Insert the Oring inside the spring collar



x2  
MAKE 2



OPTIONS

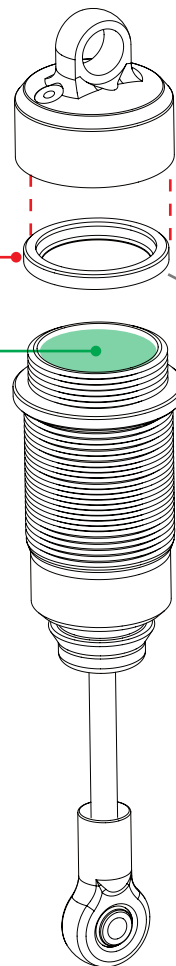
- MYB0176 Piston 7x1,3
- MYB0171 Piston 5x1,5
- MYB0172 Piston 6x1,3
- MYB0174 Piston 8x1,3
- MYB0177 Piston 7x1,4
- MYB0173 Piston 8x1,2
- MYB0175 Piston blank



Push the Oring into the shock cap



Fill up with silicone oil

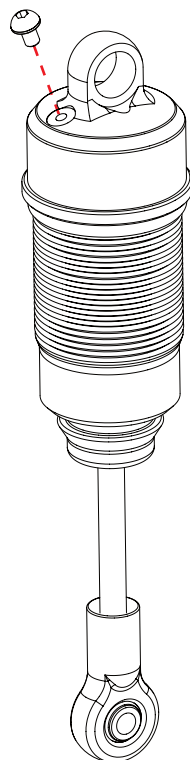


**x2**  
MAKE 2

MYB0132

M2x4

**x2**  
MAKE 2



**SHOCK OIL AT 20°C**

Piston	CST	
5x1.5	450	MX8E-24R
6x1.3	450	
7x1.3	550	
8x1.2	500	

Below 15°C  
Adjust 50 cst thinner

Above 25°C  
Adjust 50 cst thicker



SHOCK OIL

**HOW TO BLEED YOUR SHOCK**

1. Fill up the shock with silicone oil.
2. Fully extend the shock rod.
3. Move the shock slowly up and down to let all air bubbles out.
4. Apply the cap and fully close (do not overtighten and do not use any tool to close it).
5. Push slowly the shock shaft all the way in to let all bubbles come out of the hole in the shock cap.
6. With the shock shaft all the way in, assemble the screw in the shock cap.

MYH0026

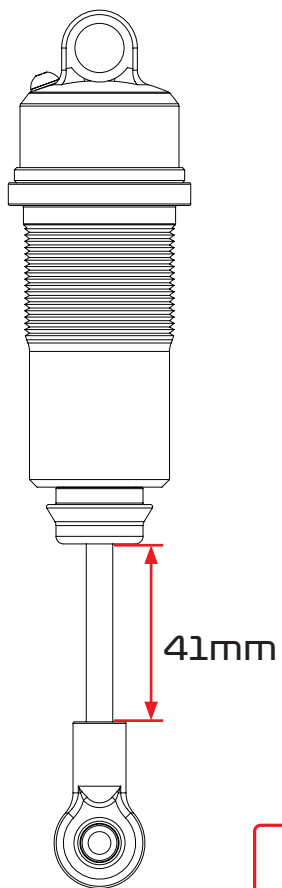


SCREW M2x4 **x2**

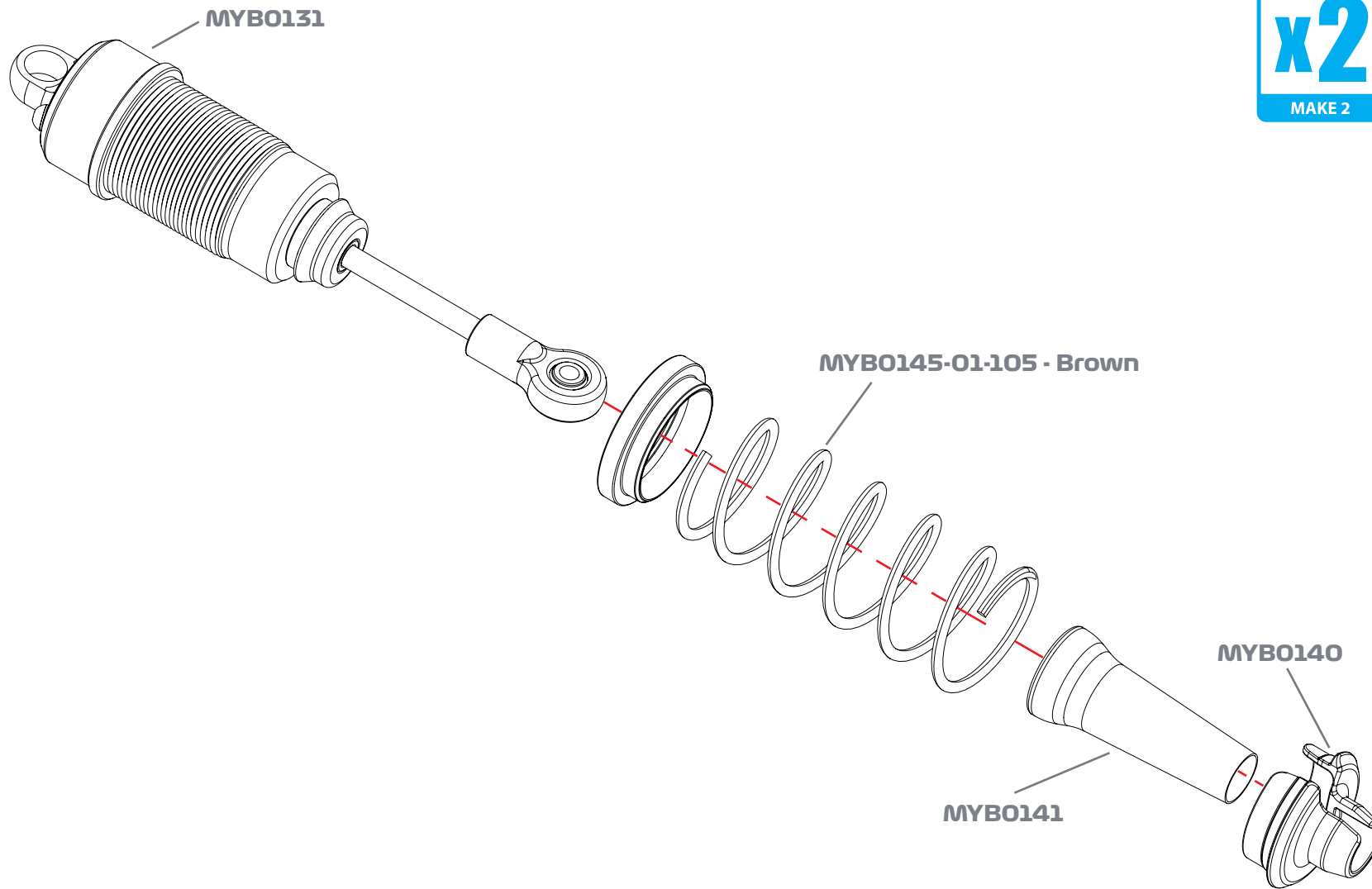


**REAR SHOCK LENGTH**

Measure the shock length fully extended



41mm



**OPTIONS**

**Progressive**

MYB0147-704 Black

MYB0147-754 Grey

MYB0147-804 Silver

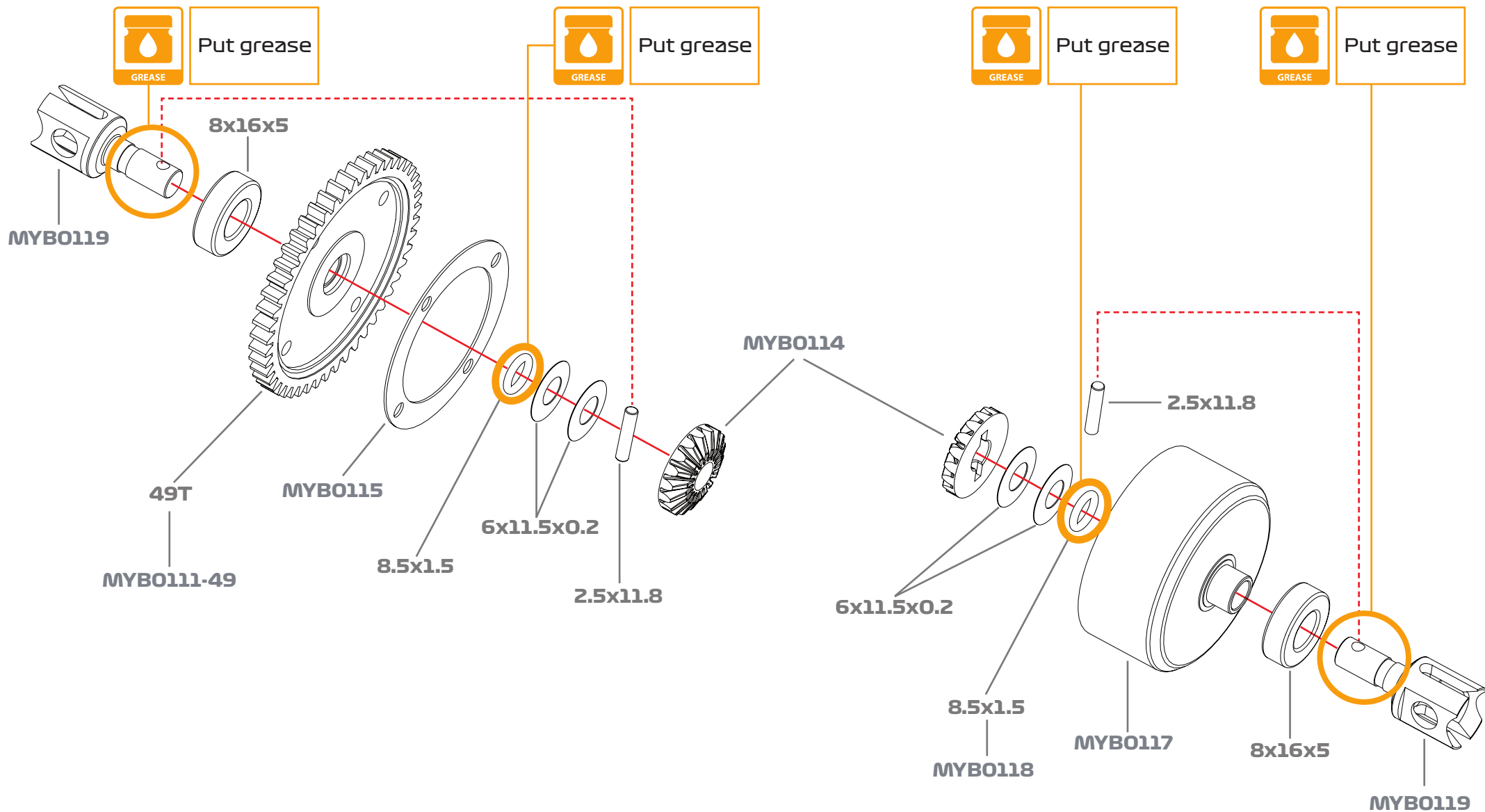
**Linear**

MYB0145-1025 Black

MYB0145-01-105 Grey

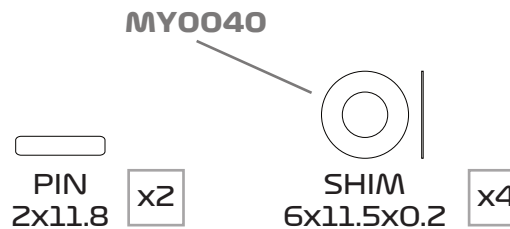
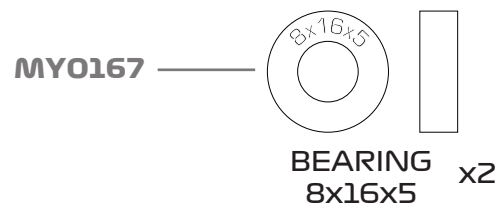
MYB0145-1075 Silver

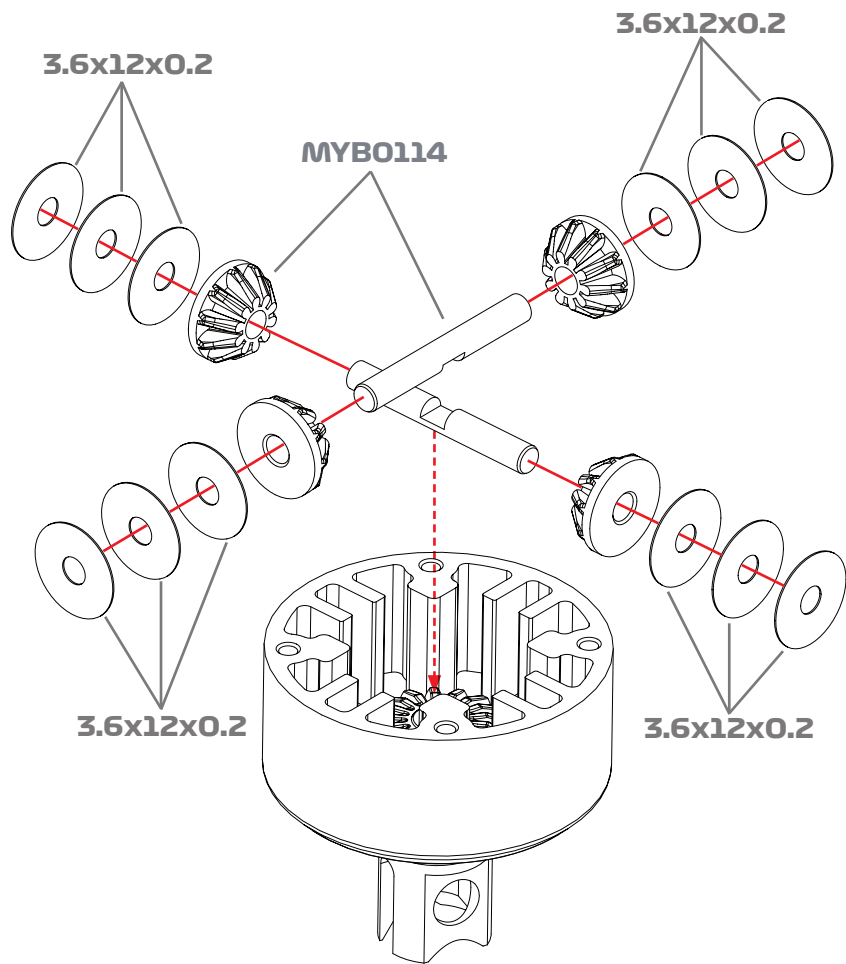
# DIFF --- BUILD



**OPTIONS**

- MYB0111-47 47t
- MYB0111-48 48t
- LW MYB0111-48LW 48t
- MYB0111-49 49t
- LW MYB0111-49LW 49t





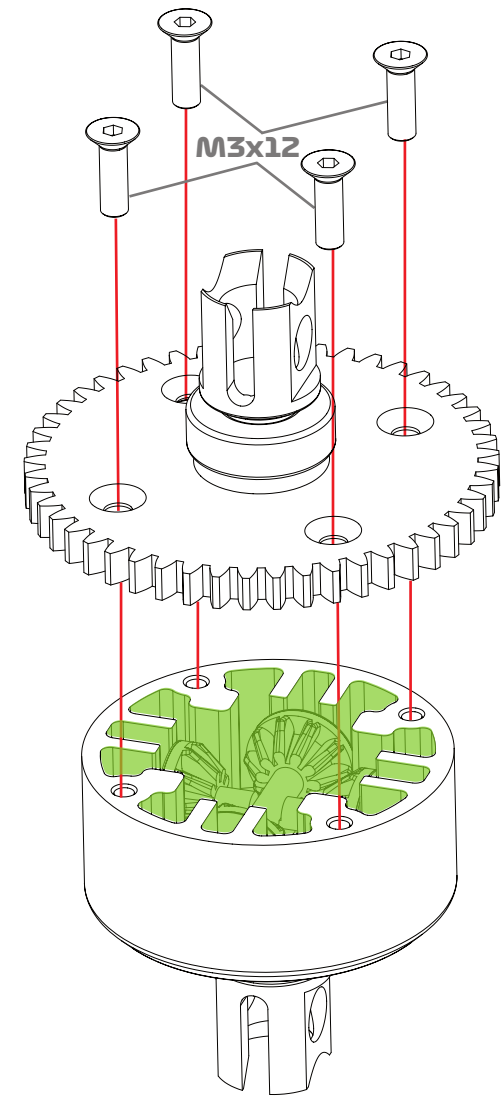
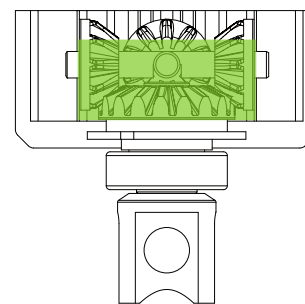
**HOW MUCH OIL?**

**If you don't have a scale**  
 Fill the center differential with silicone oil 1mm above the crosspin.  
**Do not overfill.**

**If you have a scale.**  
 Use a digital scale to measure the exact amount of oil in the differential.

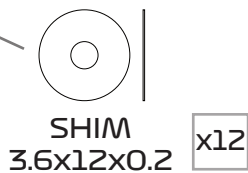
Quantity of oil for centre diff is **6 gr.**

**7000cst.** easy  
**10000cst.** more drive



**OPTIONS**  
 MYB0121ALU Cross Pins Alu

MYH0041

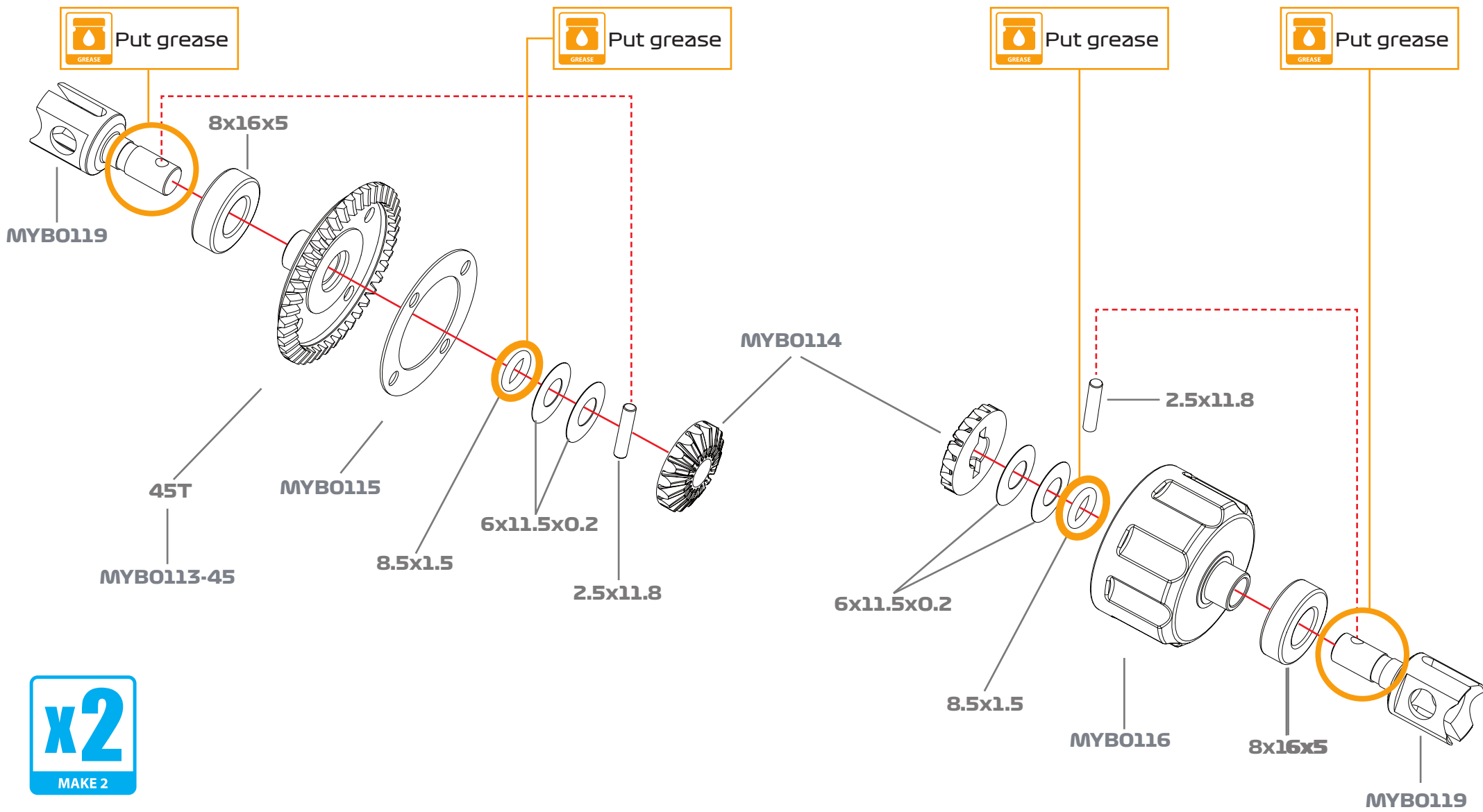


SHIM  
 3.6x12x0.2 x12

MYH0014

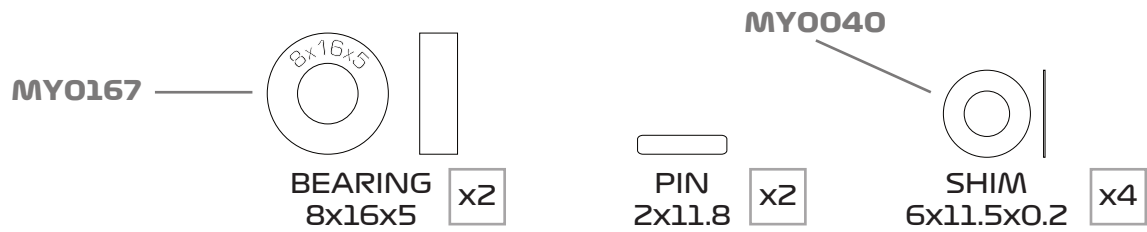


SCREW  
 M3x12 x4

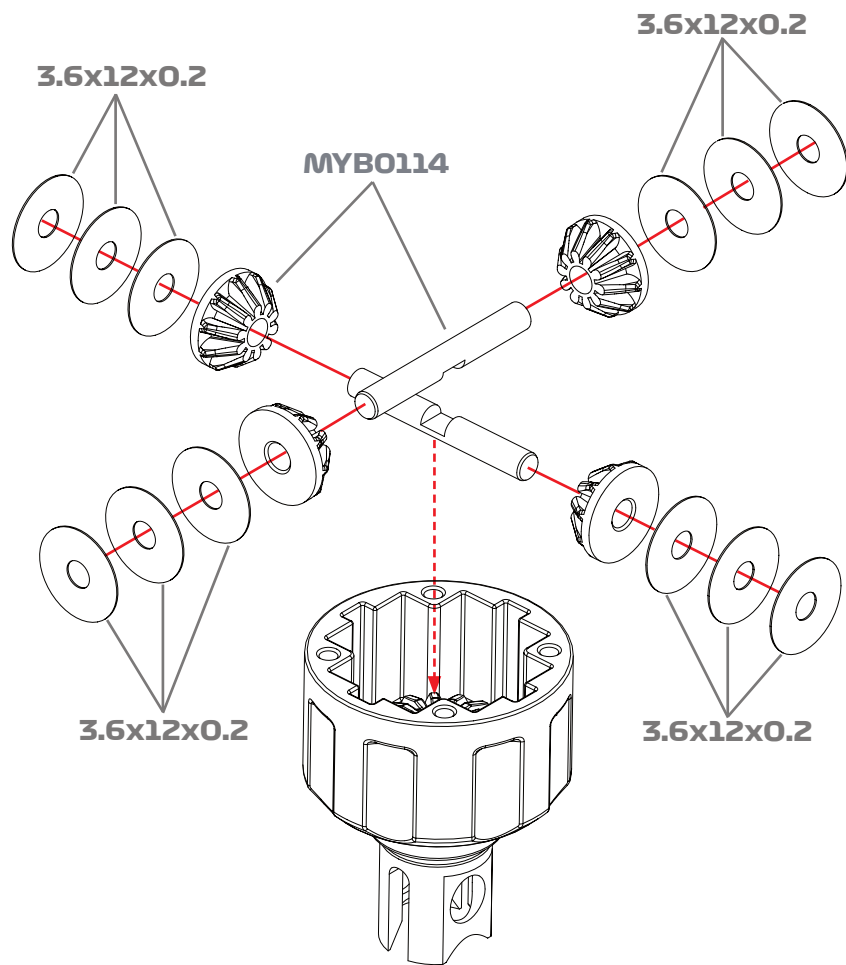


**x2**  
MAKE 2

**OPTIONS**  
 MYB0113-43 43t  
 MYB0113-45 45t  
 LW MYB0113-45LW 45t



OPTION  
MYB0121ALU Cross Pins Alu



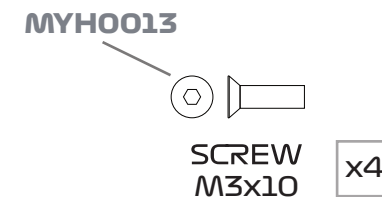
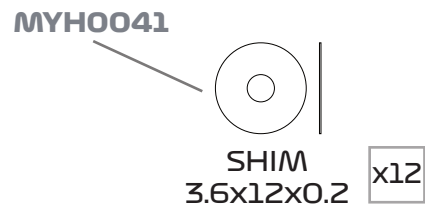
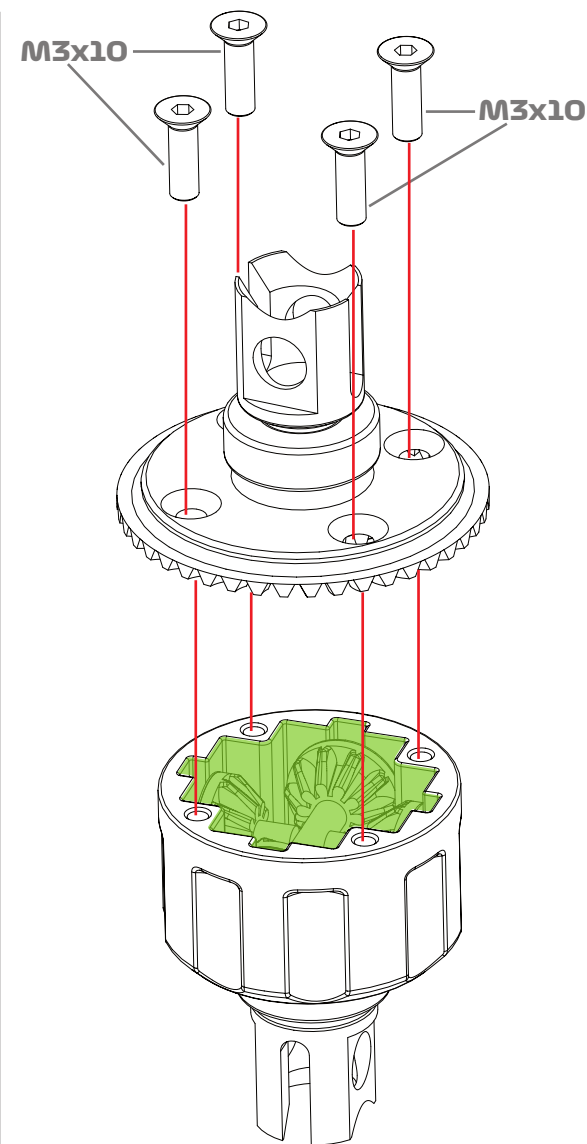
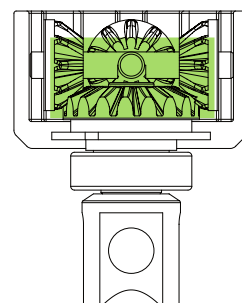
**HOW MUCH OIL?**

**If you don't have a scale**  
Fill the front or rear differential with silicone oil 1mm above the crosspin.  
**Do not overfill.**

**If you have a scale.**  
Use a digital scale to measure the exact amount of oil in the differential.

Quantity of oil for front or rear differential is **2.7 gr** each.

**FRONT 10000cst**  
**REAR 5000cst**

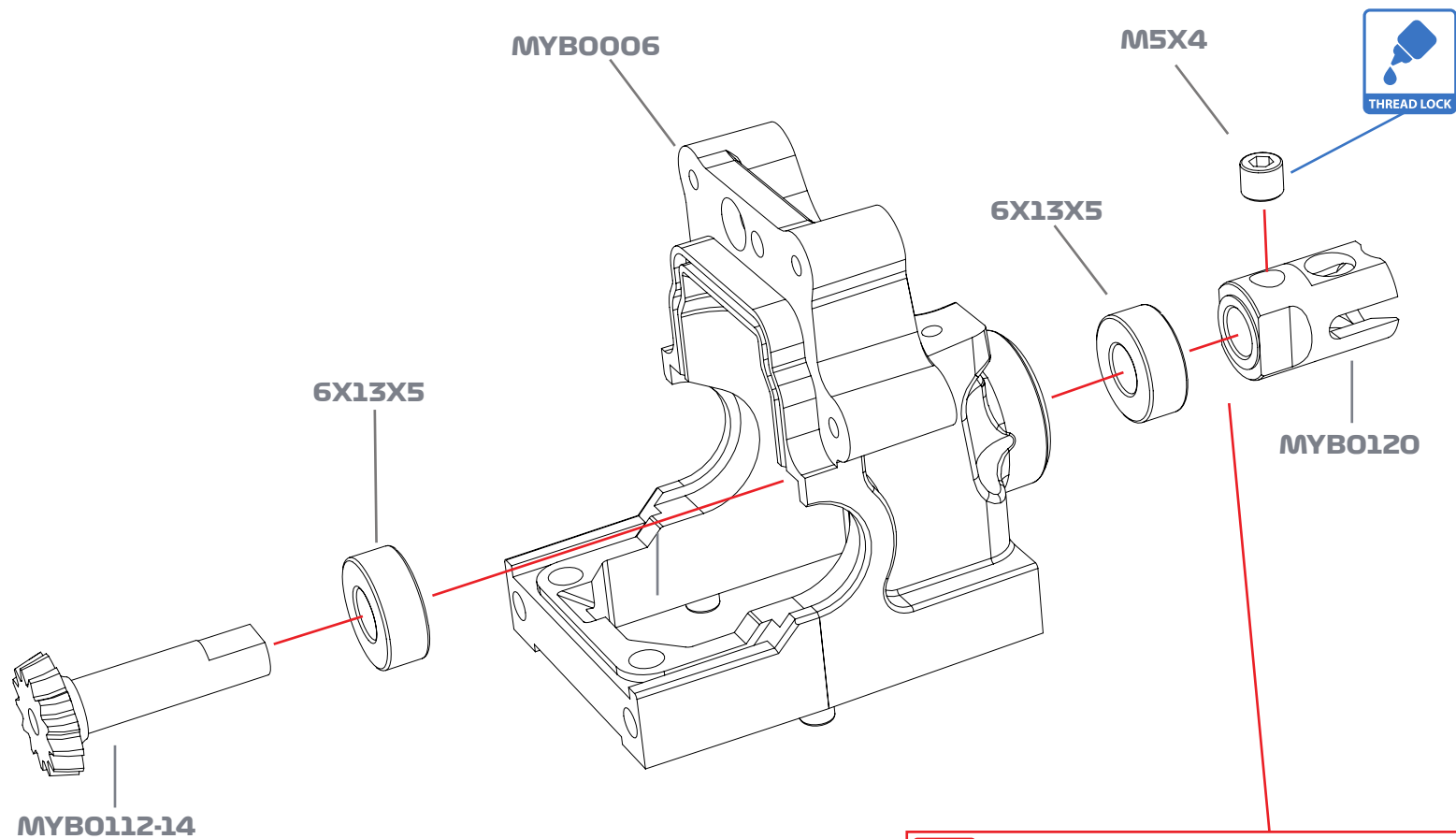




# FRONT

---

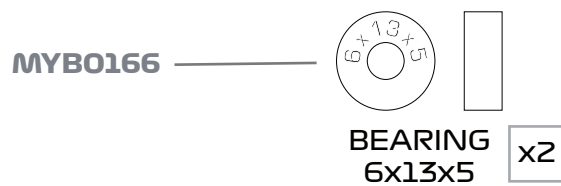
# END

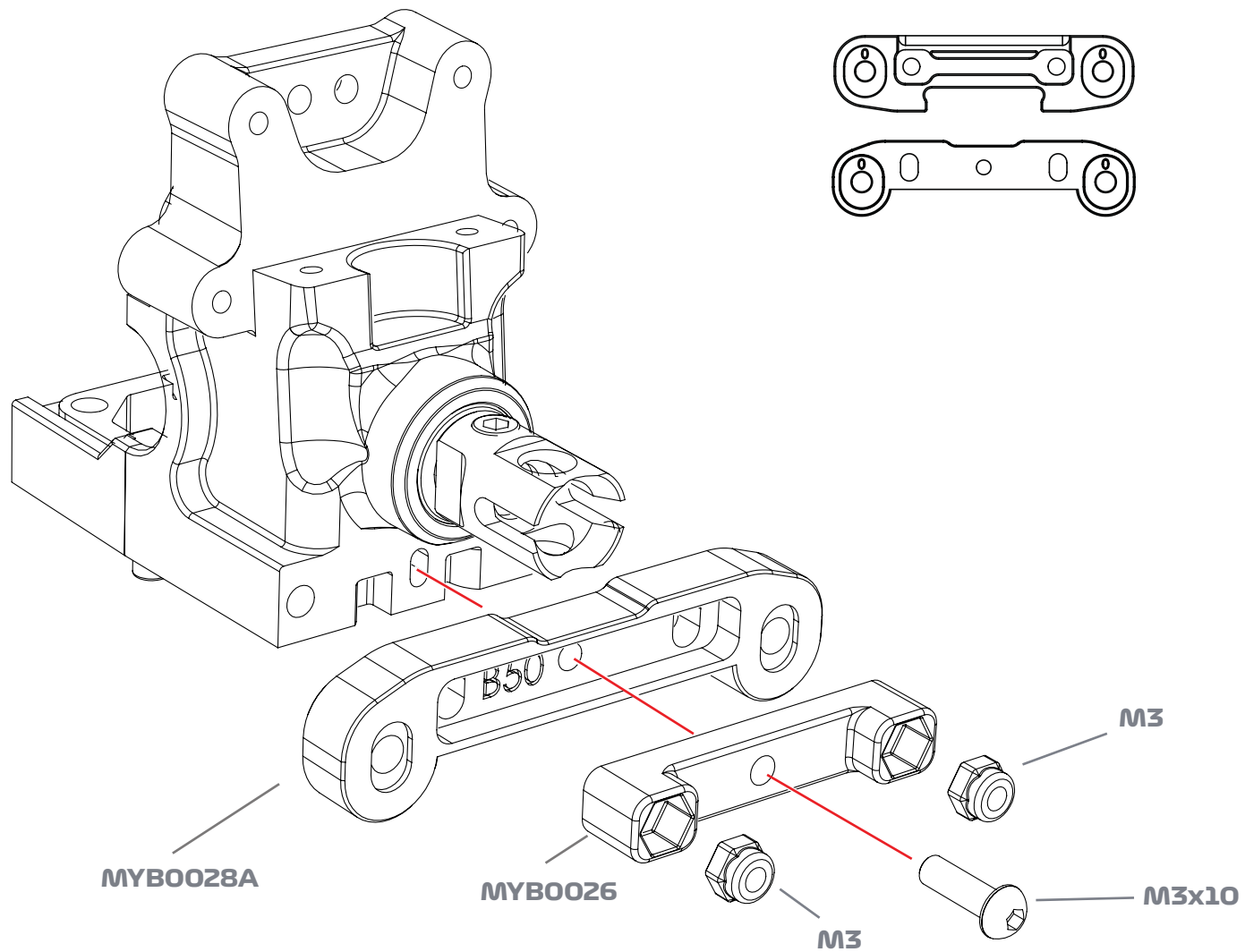
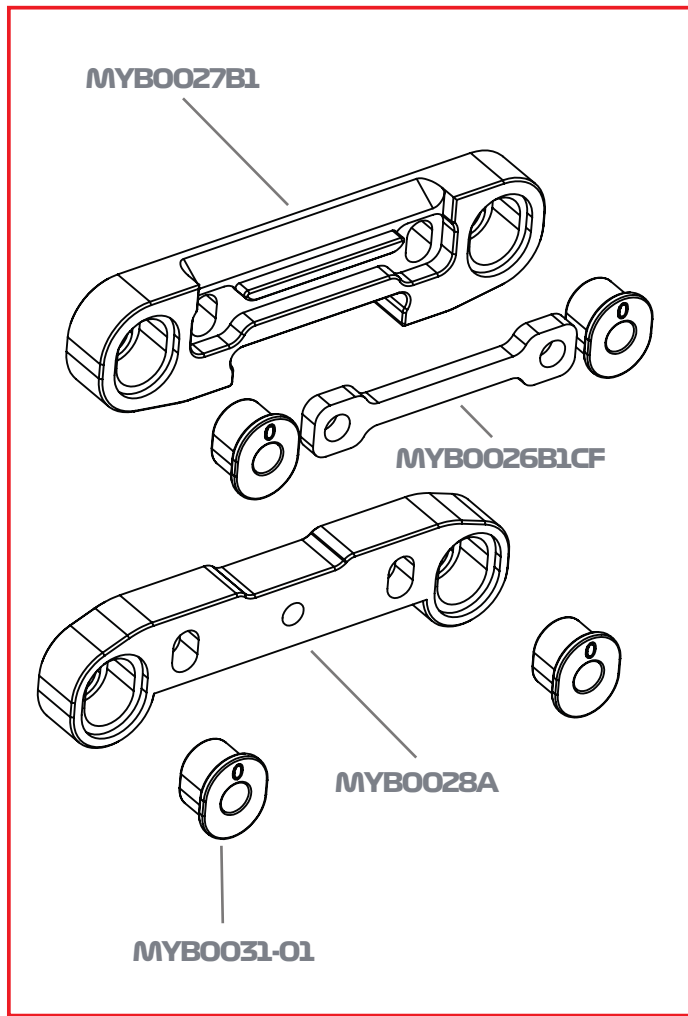


**!** ATTENTION Leave a small gap to make it turn free

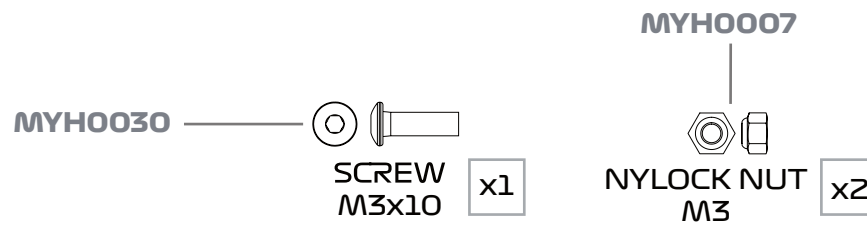
**OPTIONS**

MYB0112-13 13t  
 MYB0166MXP MXP Bearings





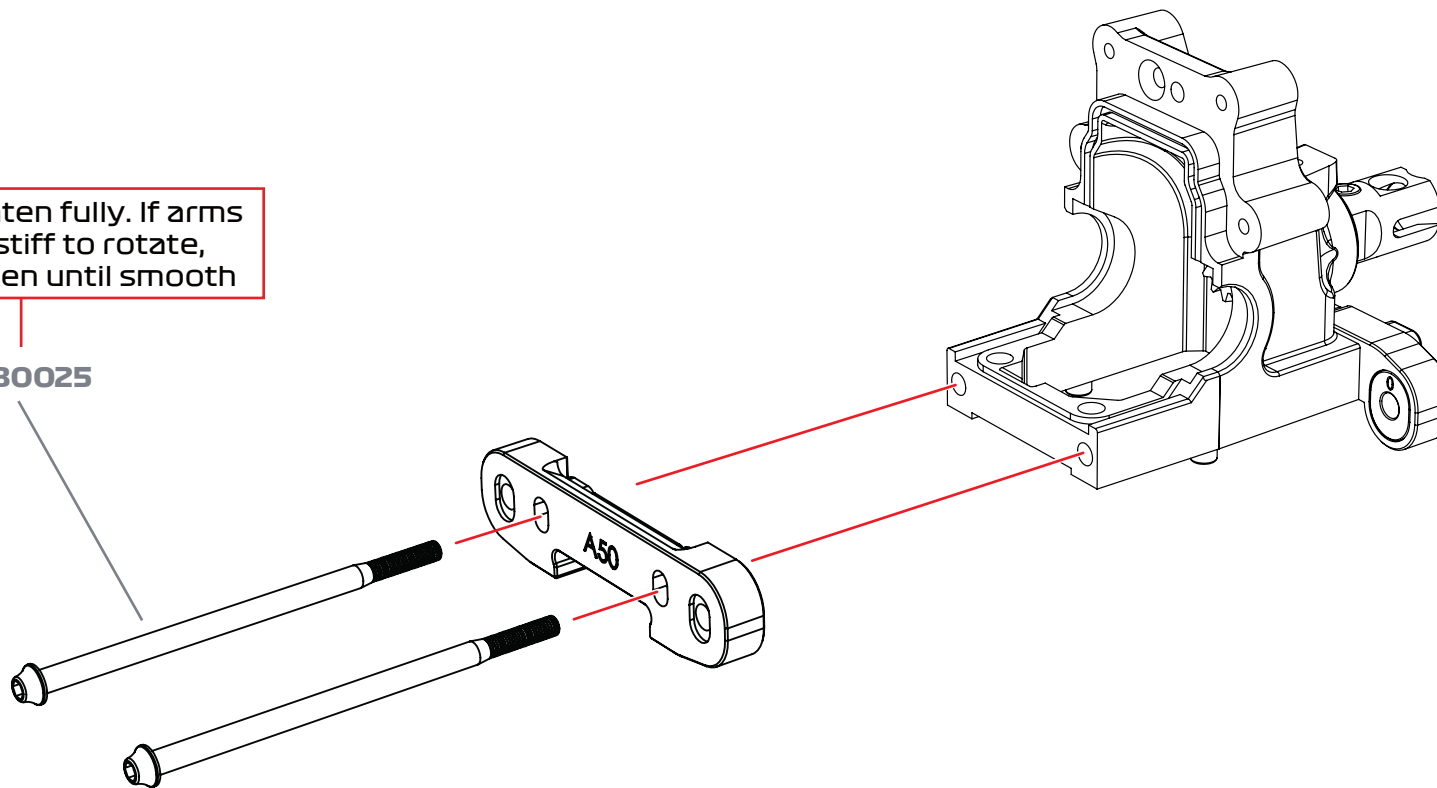
**OPTION**  
 MYB0026-01 High or low spacer set



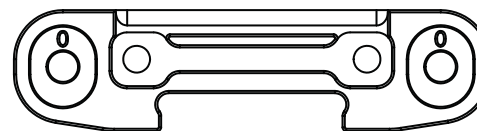


Tighten fully. If arms are stiff to rotate, loosen until smooth

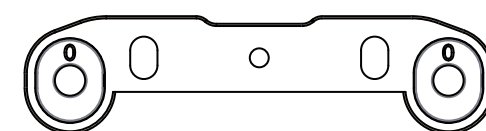
MYB0025



A - BLOCK



B - BLOCK



**OPTIONS**

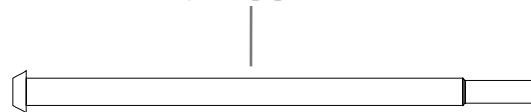
MYB0026CF CF Spacer set

MYB0025TI TI Gearbox screws

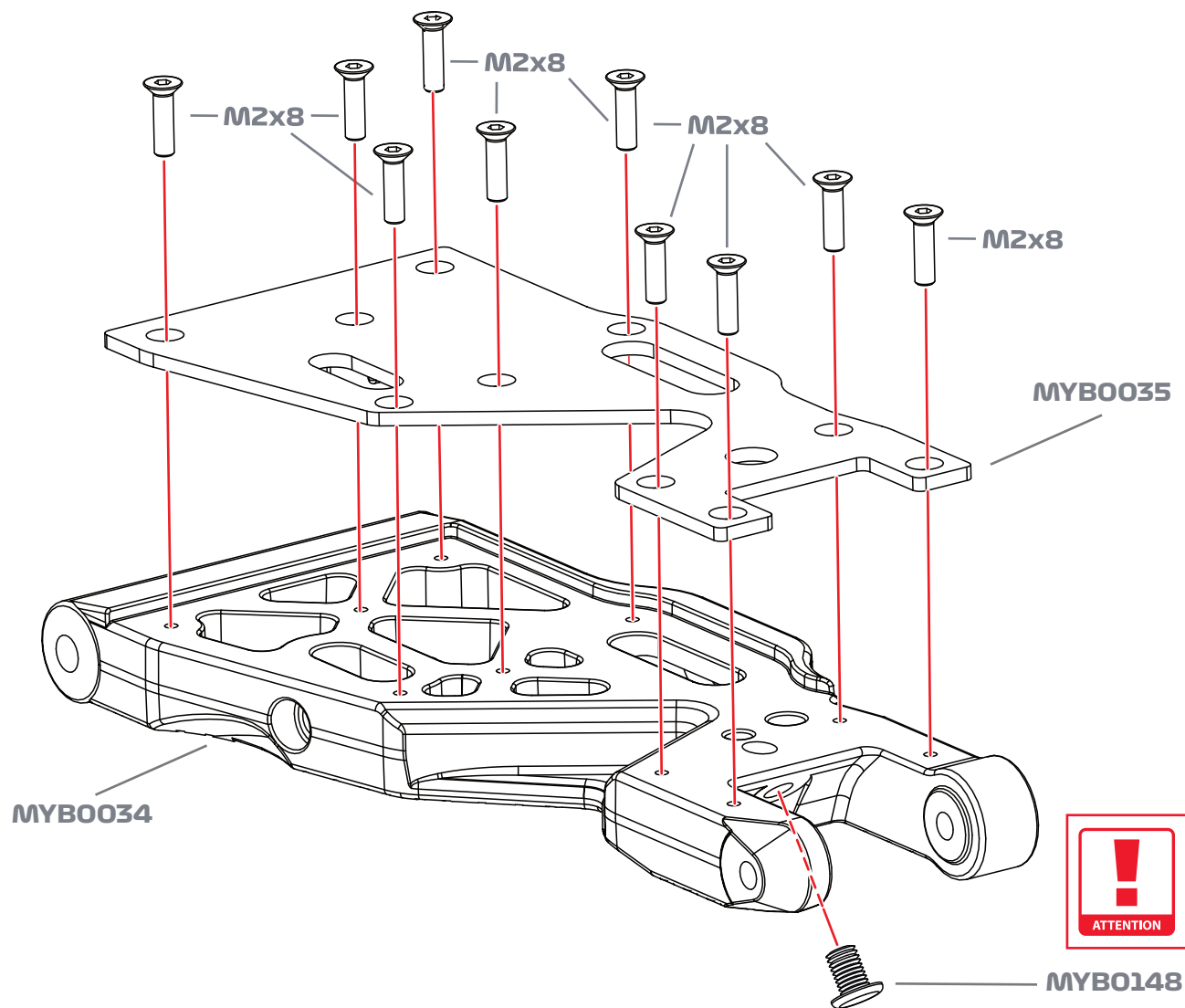
MYB0026-01 High or low spacer set

MYB0026B1CF Carbon A block spacer middle and end, for MYB0027B1

MYB0025



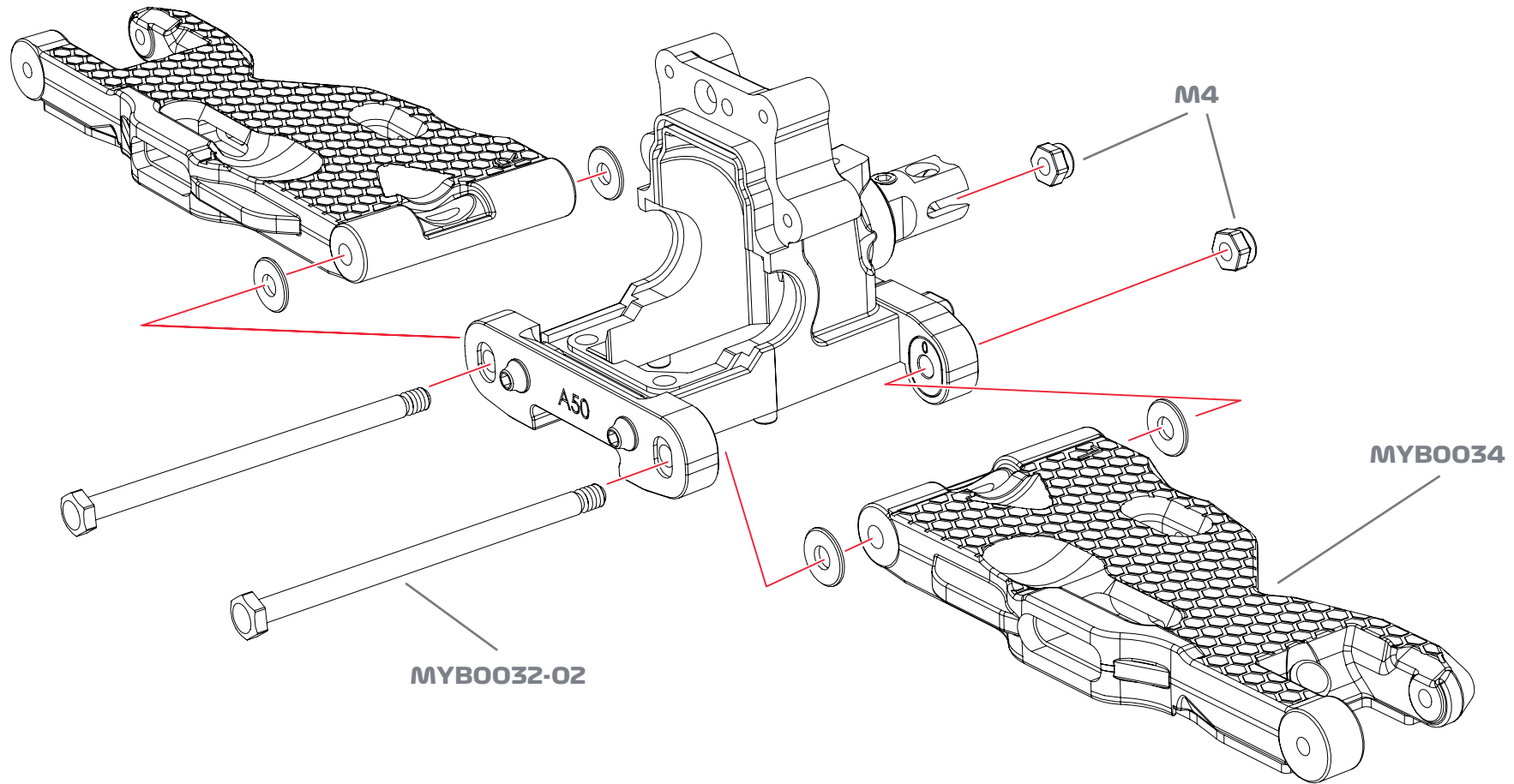
LONG SCREW x2



**ATTENTION** **ASSEMBLY NOTE**  
insert driver from bottom of  
arm to thread drop screw

OPTION  
MYB0035CF CF braces

MYB0010 —   
SCREW M2x8 x20

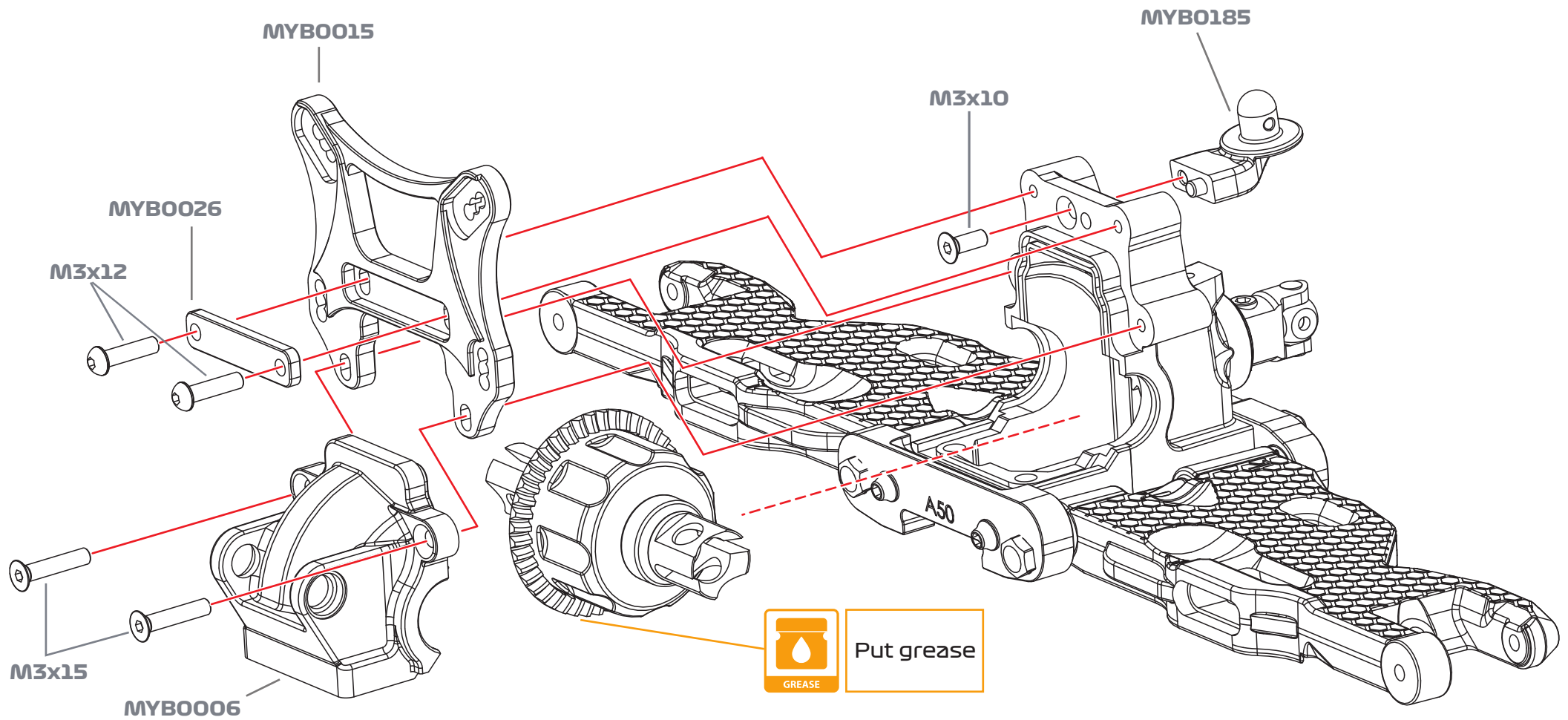


MYB0032-02

M4

MYB0034






**OPTIONS**

- MYB0015CF CF Tower
- MYB0026CF CF Spacer set
- MYB0026-01 High or low spacer set


MYH0013



SCREW  
M3x10

x1


MYH0013



SCREW  
M3x10

x1

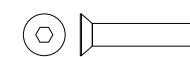
MYH0031



SCREW  
M3x12

x2

MYH0015

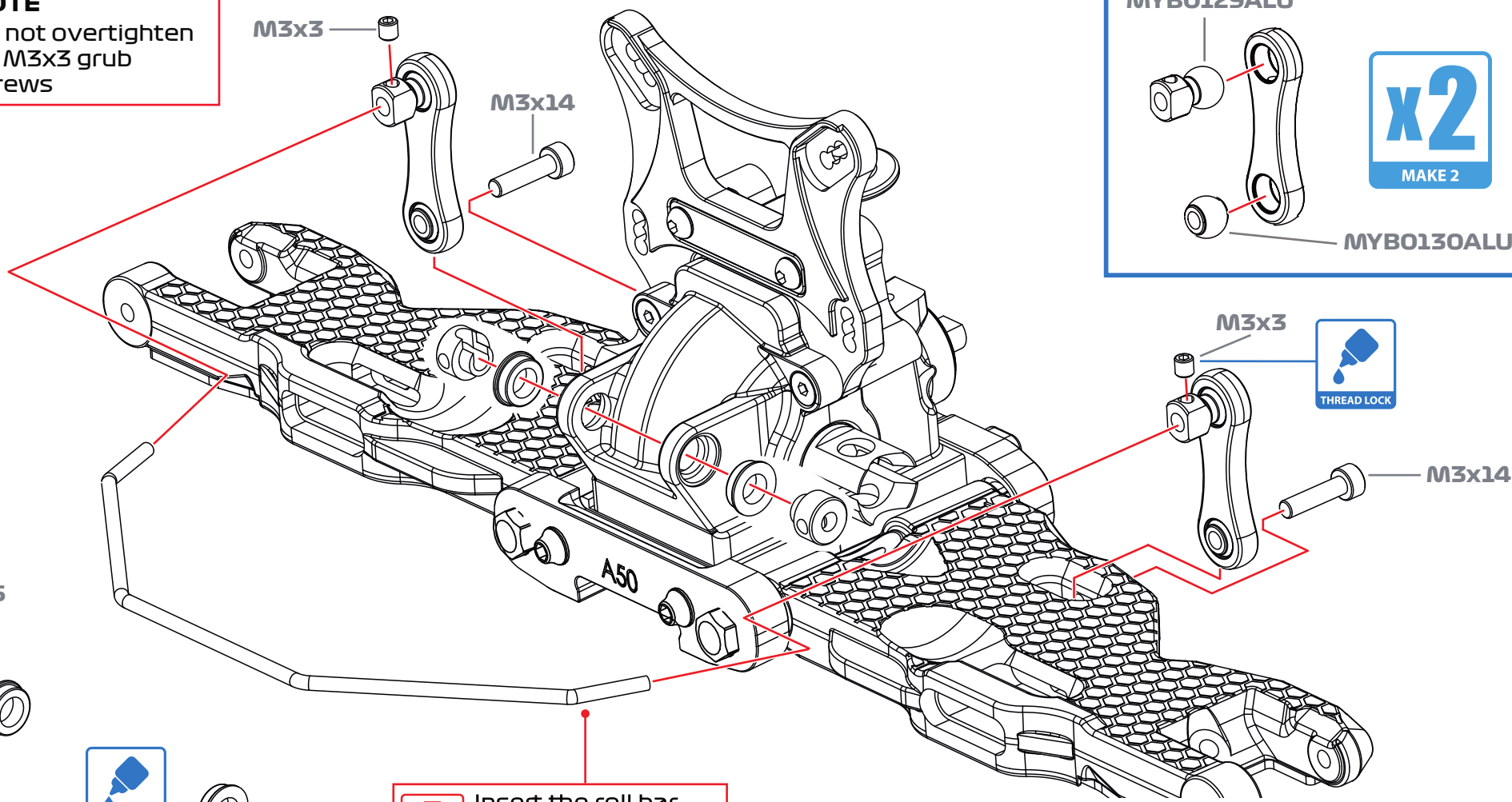


SCREW  
M3x15

x2

**NOTE**  
Do not overtighten on M3x3 grub screws

**ATTENTION**



**MYB0129ALU**

**x2**  
MAKE 2

**MYB0130ALU**

**THREAD LOCK**

**MYB0126**

**M3x3**

**THREAD LOCK**

**M3x3**

**ATTENTION** Insert the roll bar before assembling bearings and collets

**ATTENTION** Before attaching the roll bar to the links, make sure it moves freely

- OPTIONS**
- MYB0127-01 Adjustable roll links
  - MYB0128 Link turnbuckle screw
  - MYB0124-21 2,1mm Front Anti-roll bar
  - MYB0124-22 2,2mm Front Anti-roll bar
  - MYB0124-23 2,3mm Front Anti-roll bar
  - MYB0124-24 2,4mm Front Anti-roll bar

**MYH0023**

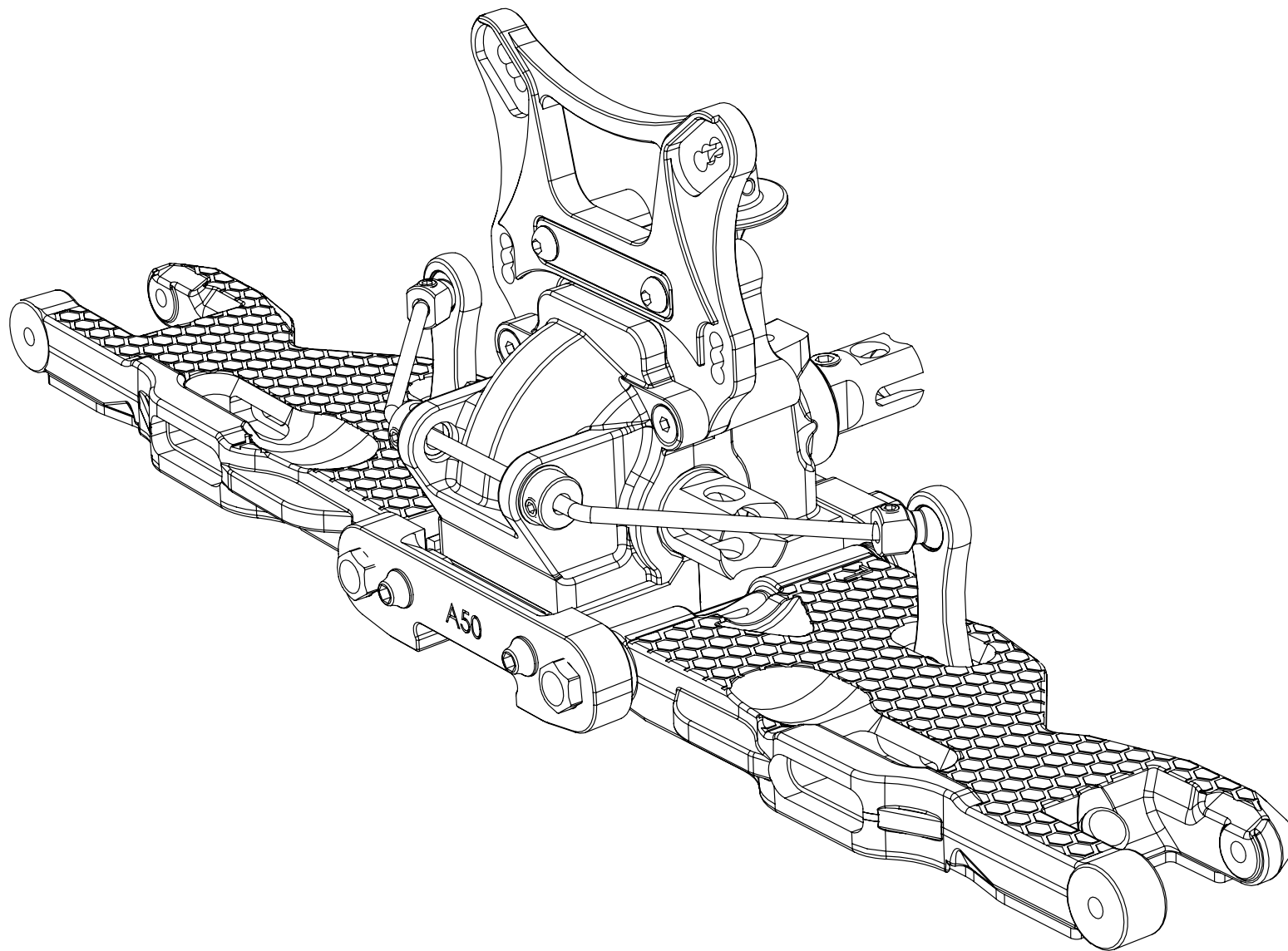
**M3x14 x2**

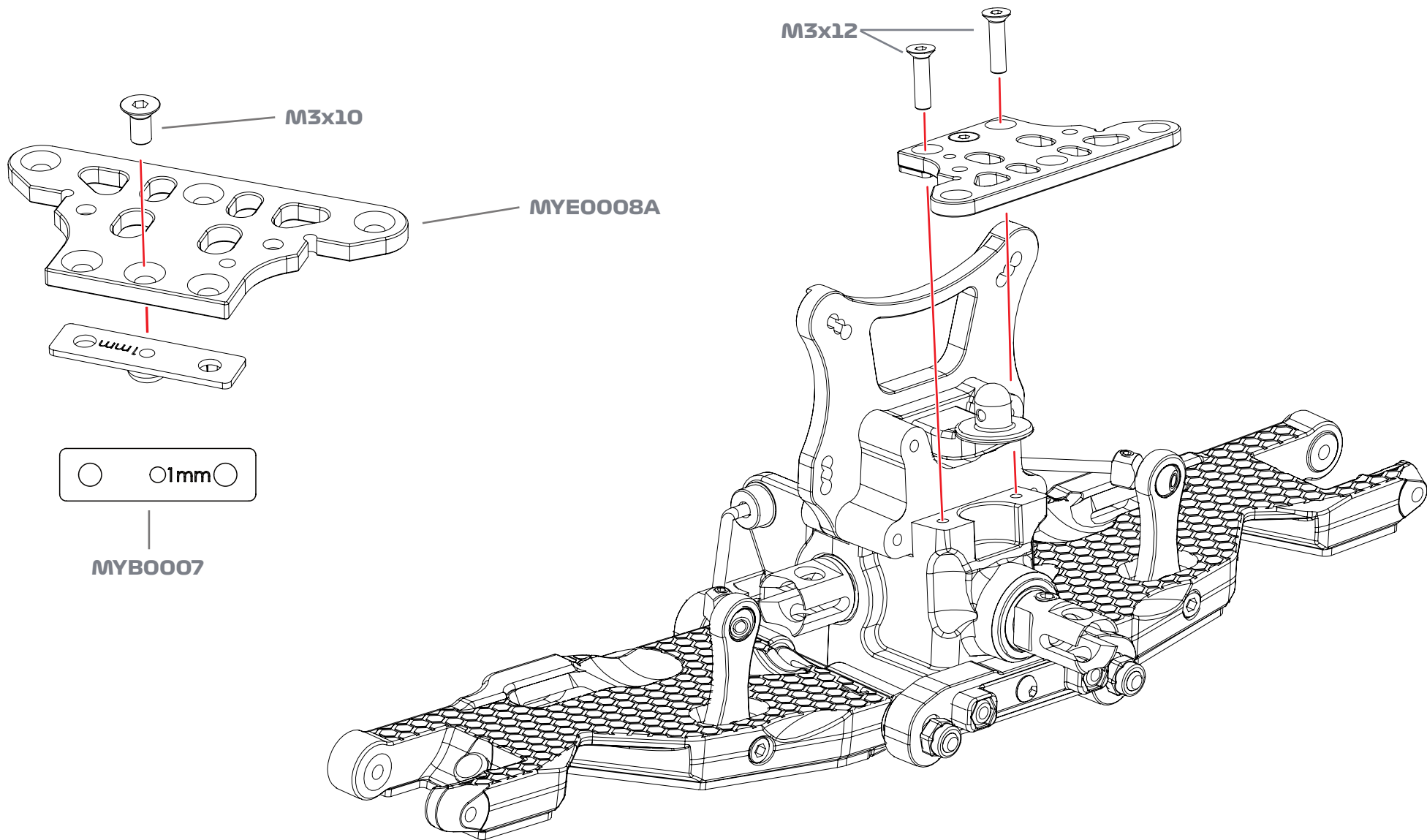
**MYH0003**

**M3x3 x4**

**MYB0170**

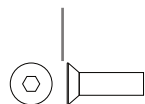
**FLANGED BEARING 5x8x2.5 x2**





**OPTIONS**  
 MYB0017CF CF Steering plate  
 MYB0008 2mm spacer set

MYB0013



SCREW  
 M3x10

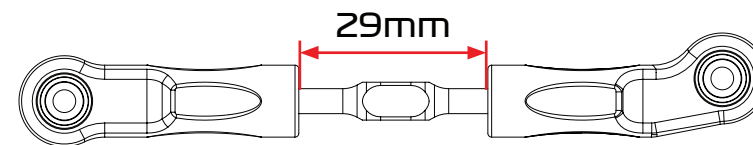
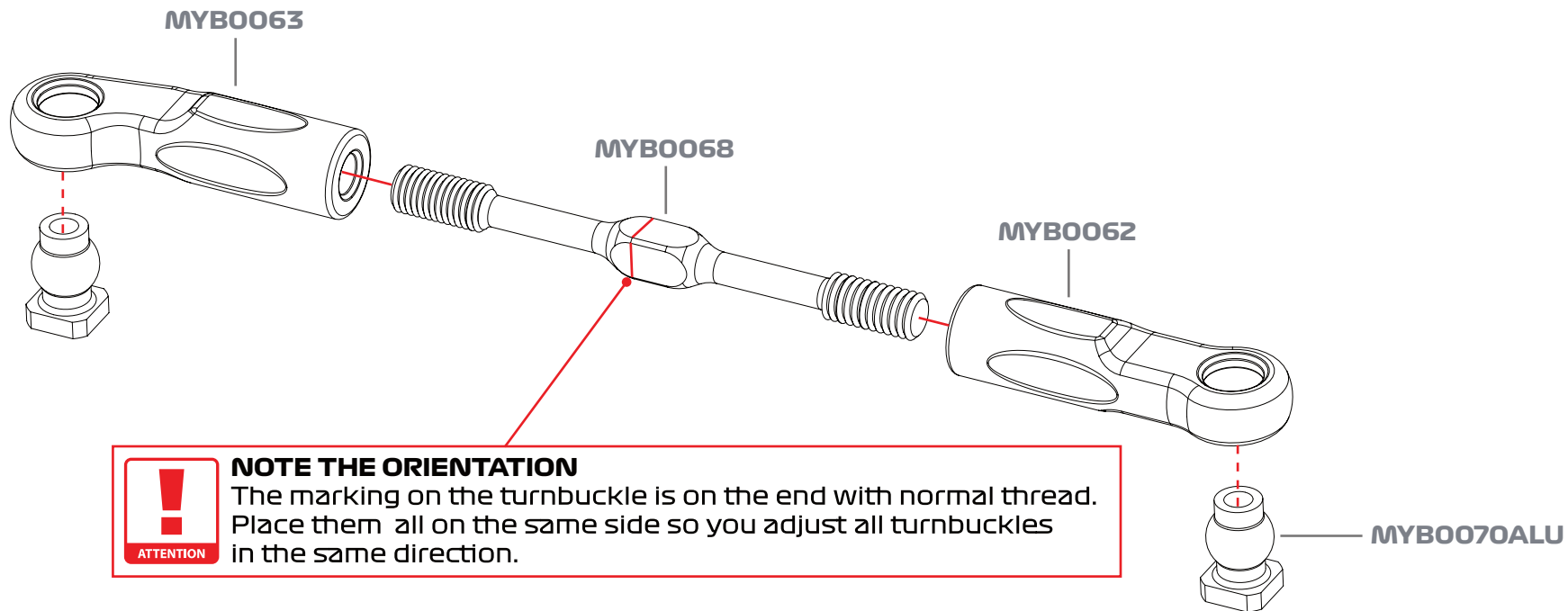
x1

MYB0014

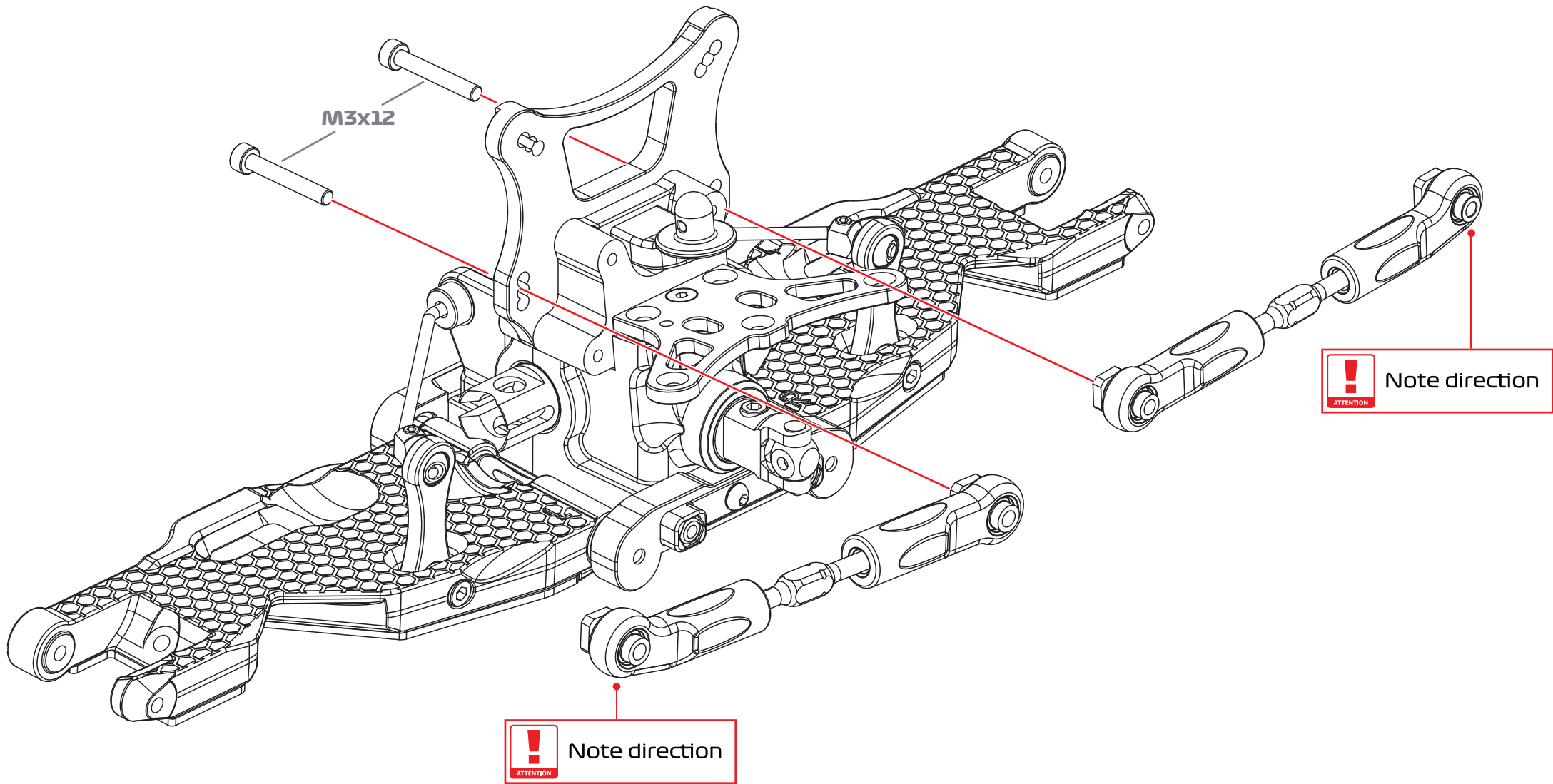


SCREW  
 M3x12

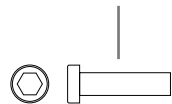
x2



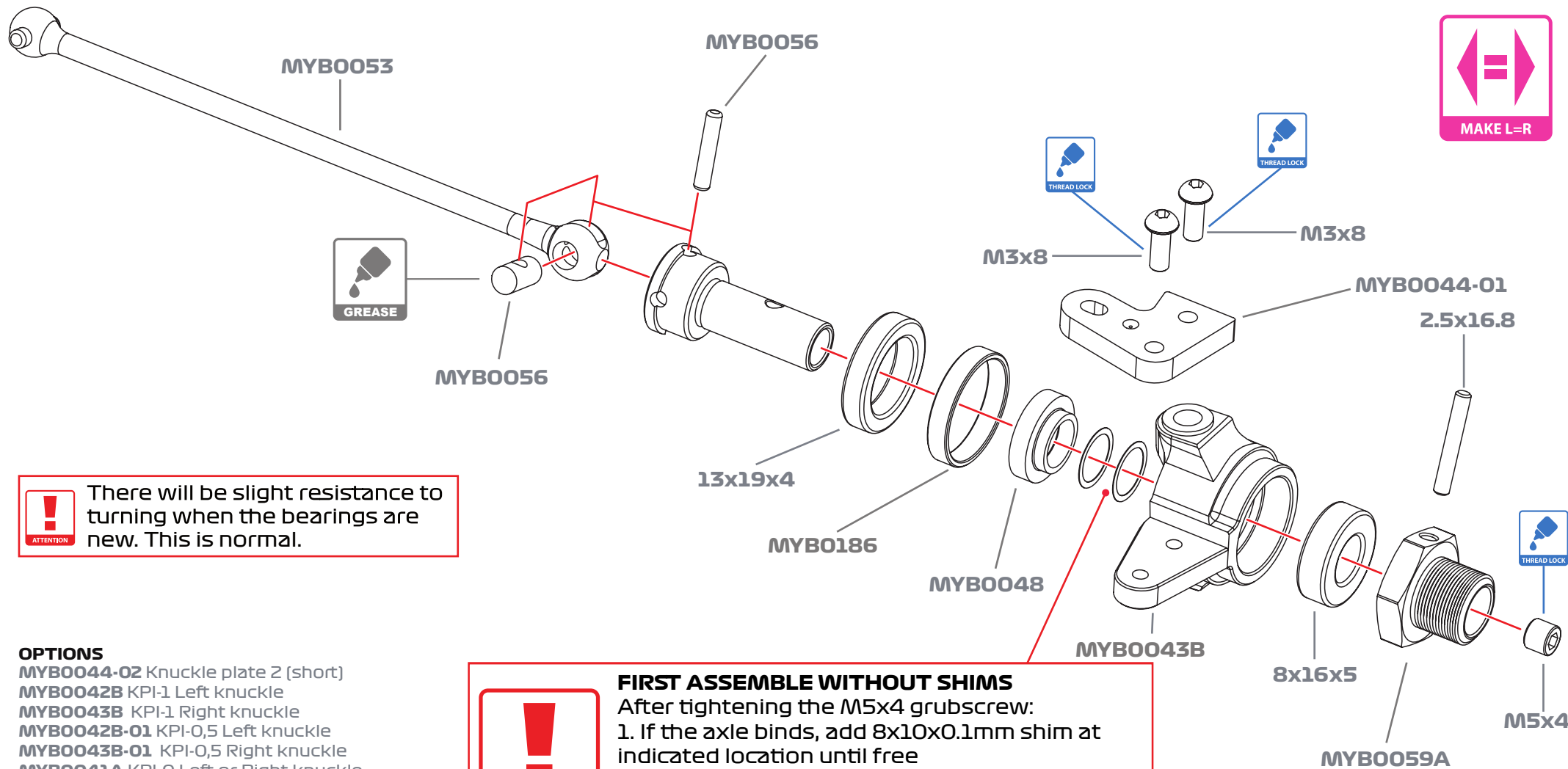
**OPTION**  
MYB0068TI TI Turnbuckles



MYH0022



M3x12 x2

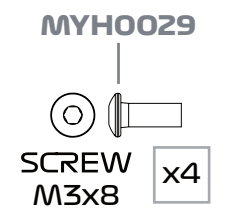
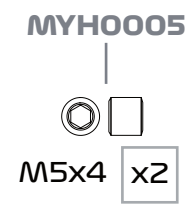
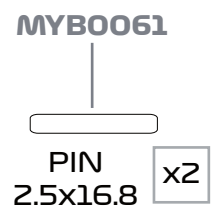
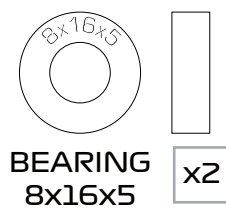
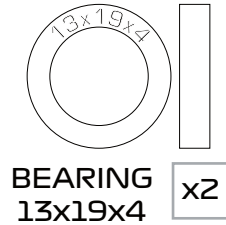
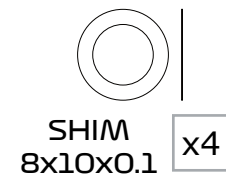
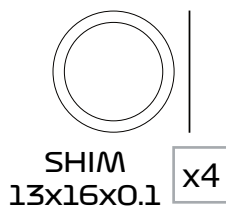


**ATTENTION** There will be slight resistance to turning when the bearings are new. This is normal.

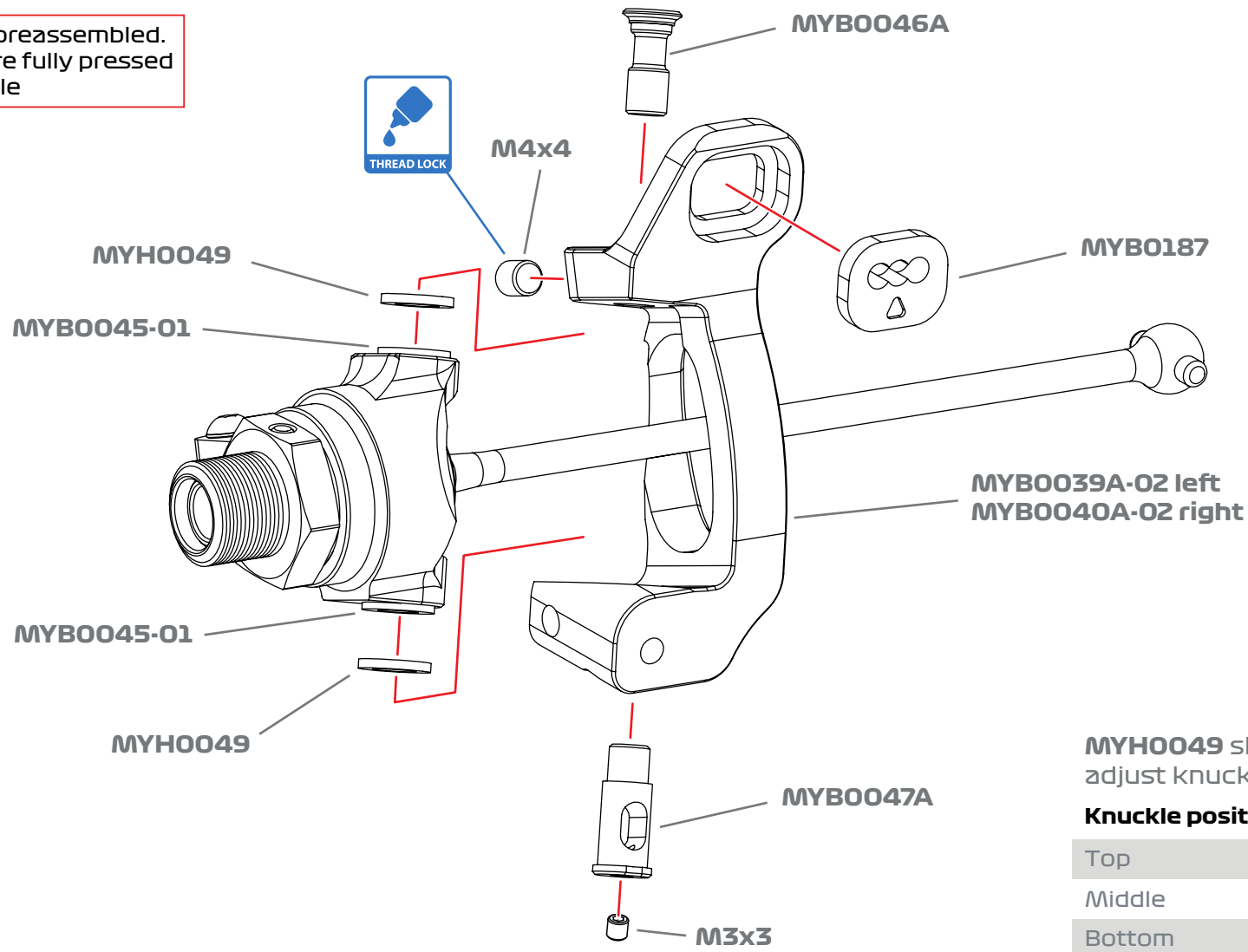
**ATTENTION** **FIRST ASSEMBLE WITHOUT SHIMS**  
 After tightening the M5x4 grub screw:  
 1. If the axle binds, add 8x10x0.1mm shim at indicated location until free  
 2. If axial movement, add 13x16x0.1mm shim at the indicated location in the knuckle, behind the 8x16x5 bearing

**OPTIONS**

- MYB0044-02 Knuckle plate 2 [short]
- MYB0042B KPI-1 Left knuckle
- MYB0043B KPI-1 Right knuckle
- MYB0042B-01 KPI-0,5 Left knuckle
- MYB0043B-01 KPI-0,5 Right knuckle
- MYB0041A KPI-0 Left or Right knuckle
- MYB0059-01A 4mm Hexes
- MYB0059-02A 6mm Hexes



**!** MYB0045-01 preassembled.  
Ensure they are fully pressed into the knuckle

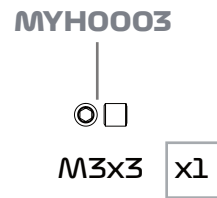
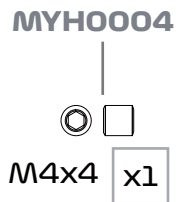


MYH0049 shim position used to adjust knuckle position

Knuckle position	King pins
Top	Short top, long bottom
Middle	Short top, short bottom
Bottom	Long top, short bottom

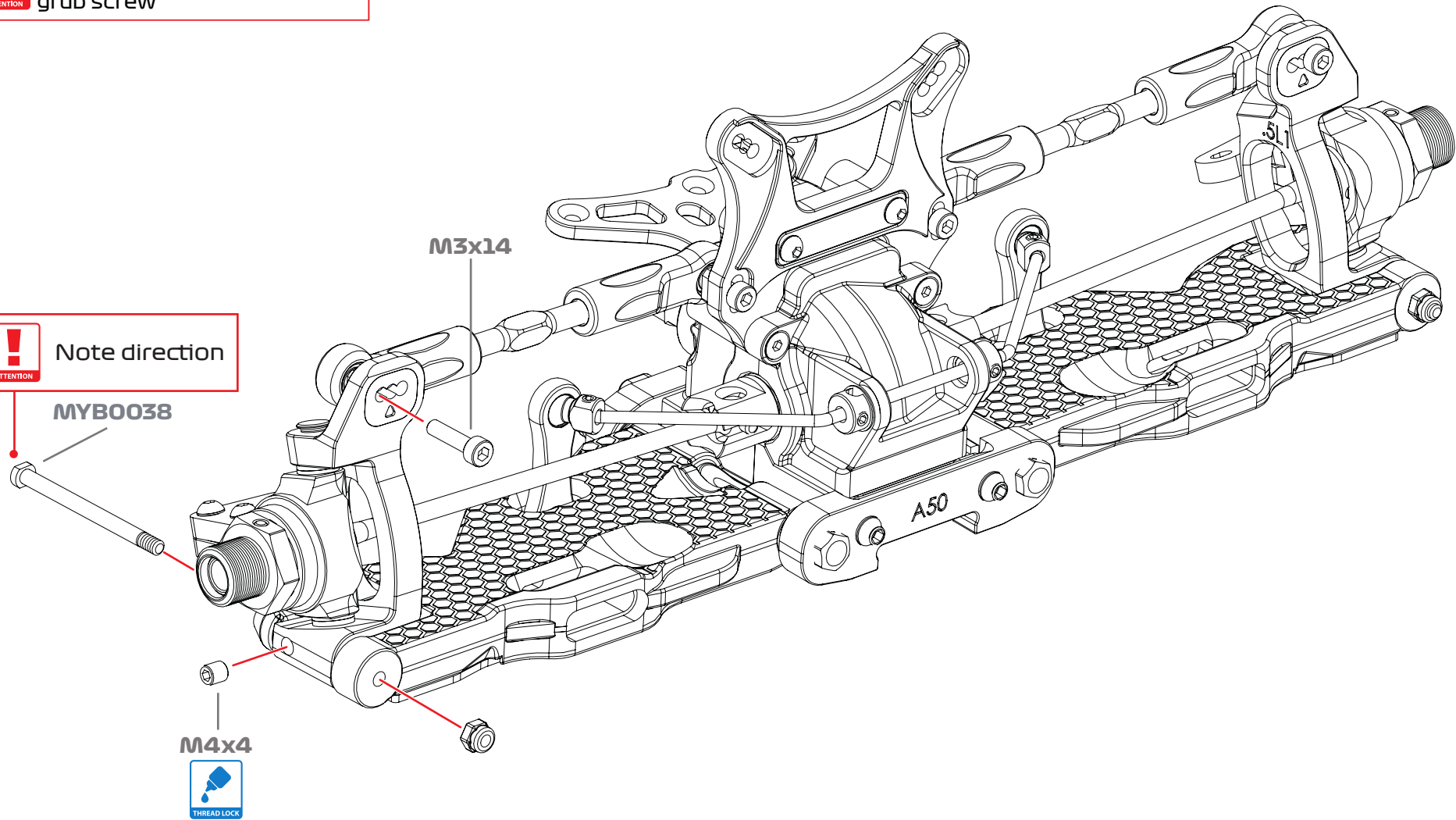
**OPTIONS**

- MYB0039A-02 KPI-1 Caster 1 left
- MYB0040A-02 KPI-1 Caster 1 right
- MYB0039A-03 KPI-1 Caster 2 left
- MYB040A-03 KPI-1 Caster 2 right
- MYB0045A-01 Steel knuckle bushings

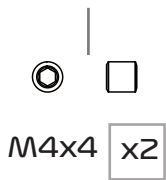


**!** ATTENTION  
 Ensure hub rotates smoothly.  
 Do not overtighten M4x4 grub screw

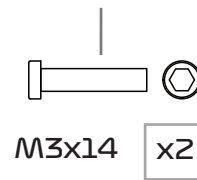
**!** ATTENTION  
 Note direction



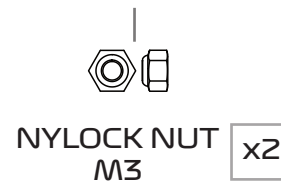
MYH0004



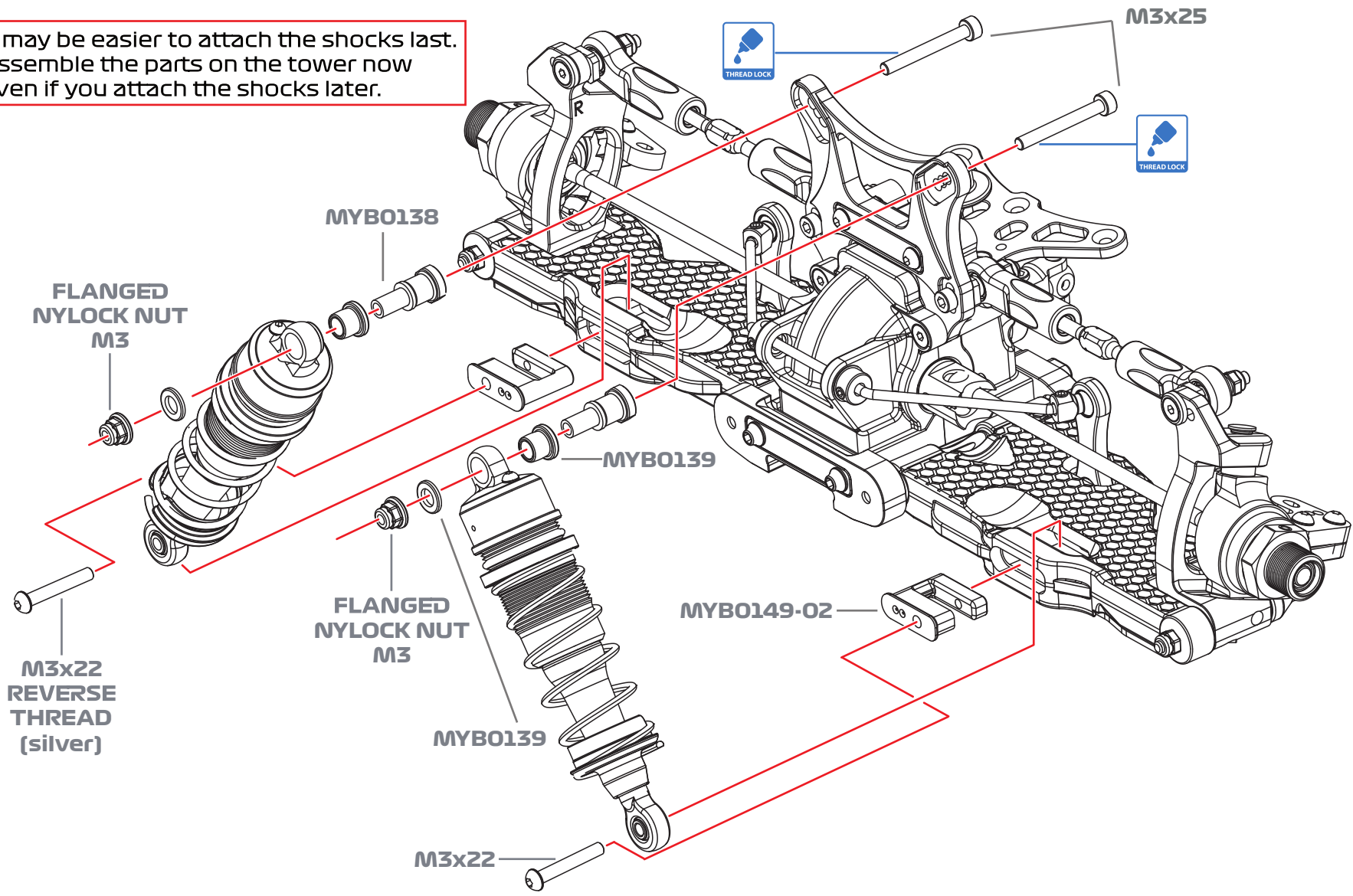
MYH0023



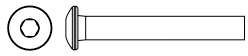
MYH0007

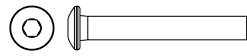


**ATTENTION** It may be easier to attach the shocks last. Assemble the parts on the tower now even if you attach the shocks later.



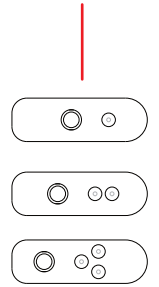
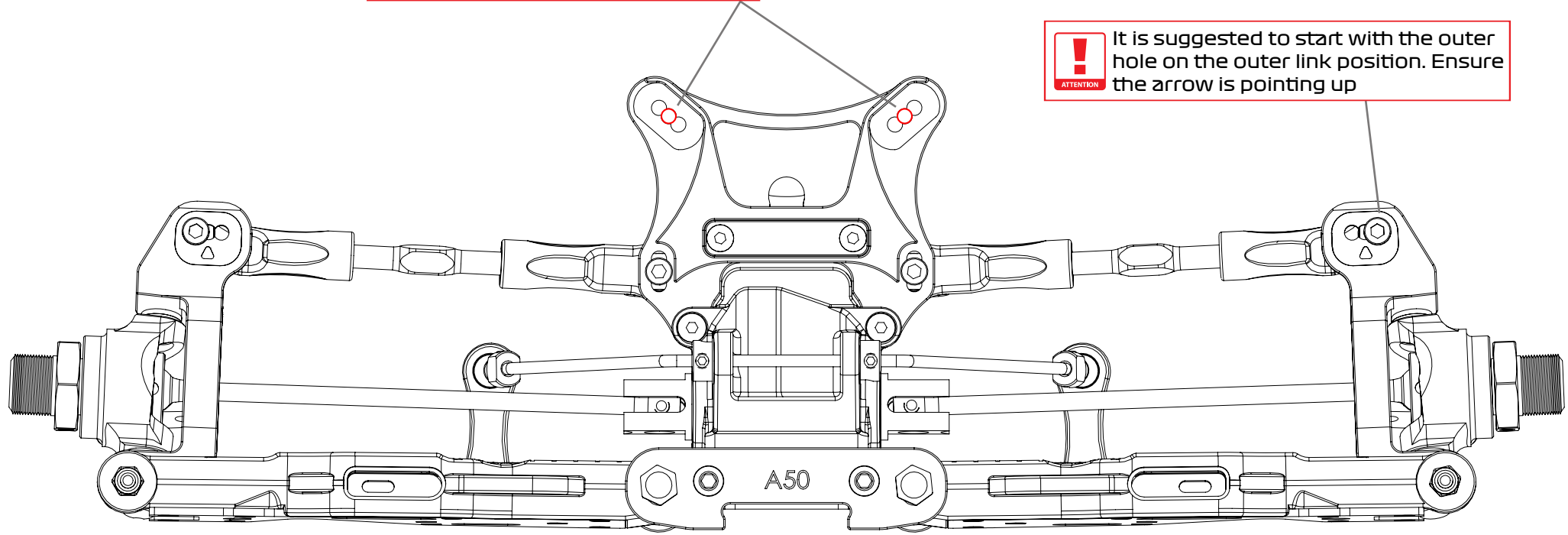
- MYH0009
- 
- FLANGED NYLOCK NUT M3 x2

- MYH0033
- 
- SCREW M3x22 x2

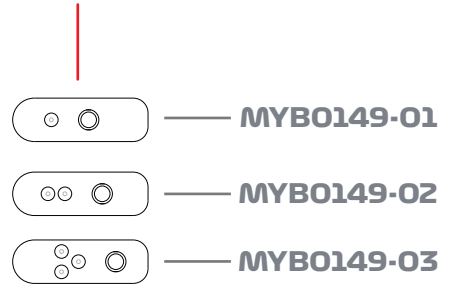
- MYH0033
- 
- SCREW M3x22 REVERSE x2

**!** ATTENTION  
It is suggested to start with shocks mounted in the middle hole on the tower

**!** ATTENTION  
It is suggested to start with the outer hole on the outer link position. Ensure the arrow is pointing up



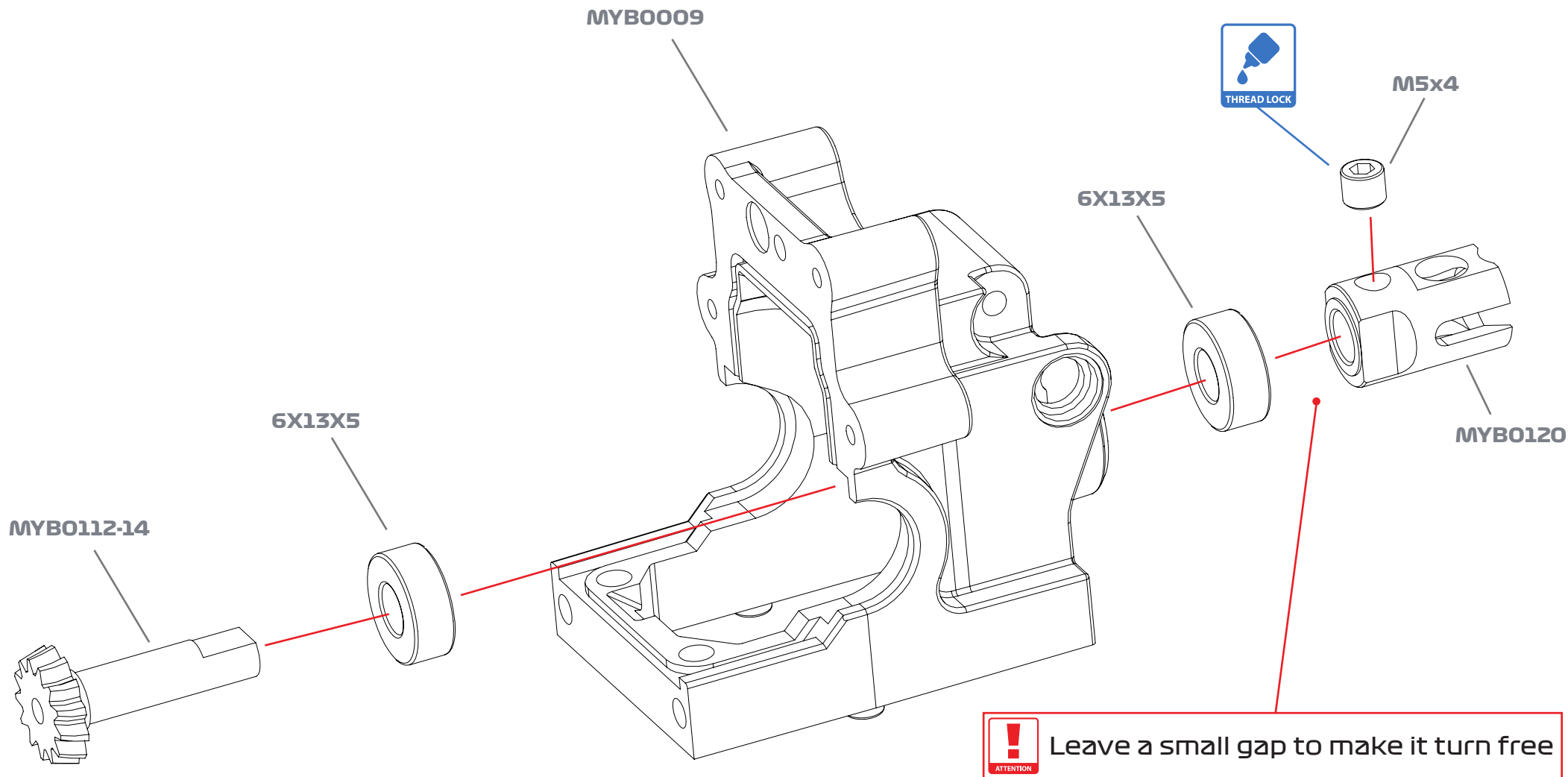
**!** ATTENTION  
**SHORT VS LONG SHOCK BALL ENDS**  
Use short ball ends with 1 or 2 dots insert.  
Use long ball ends with 2 or 3 dots insert.





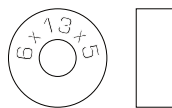
REAR

END



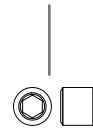
**OPTIONS**  
 MYB0112-13 13t  
 MYB0166MXP MXP Bearings

MYB0166

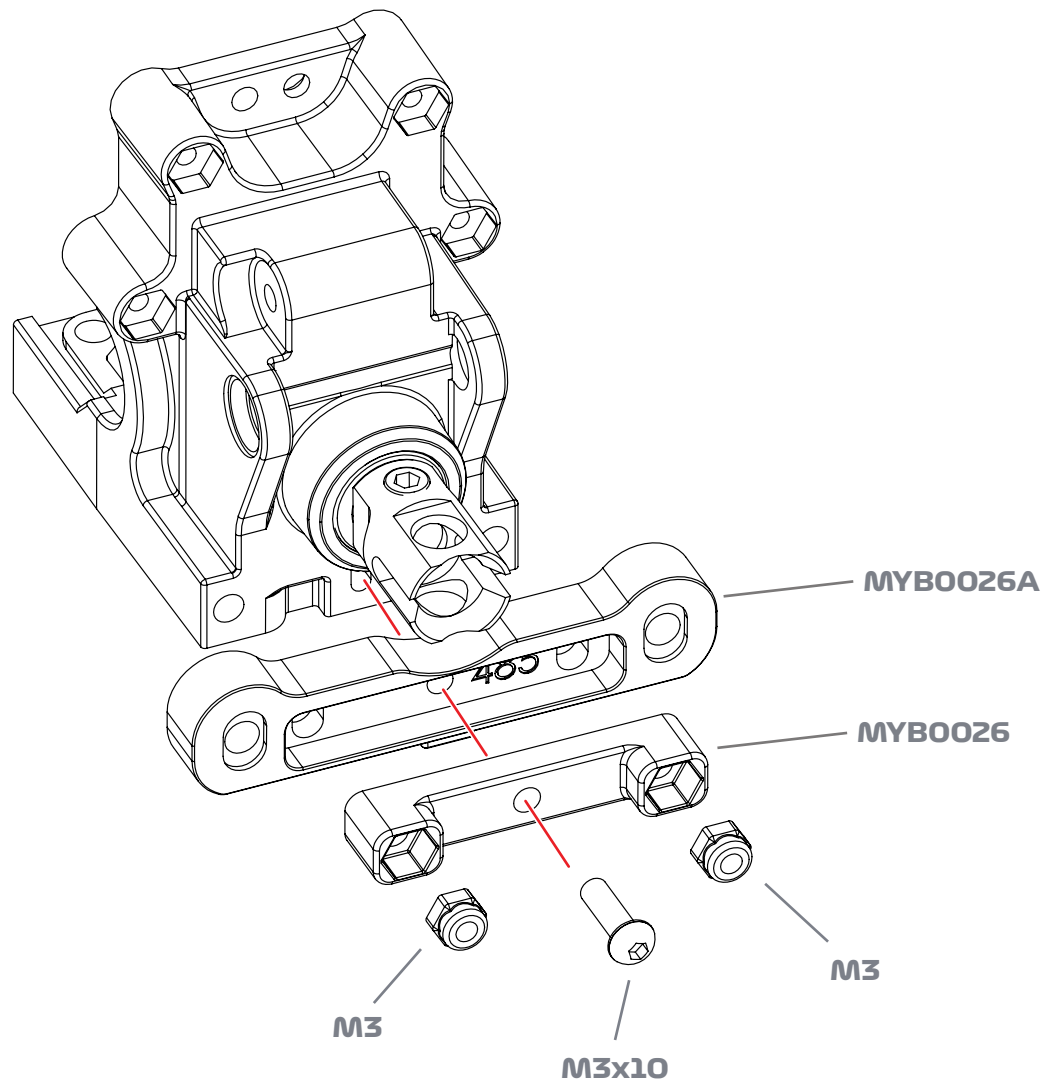
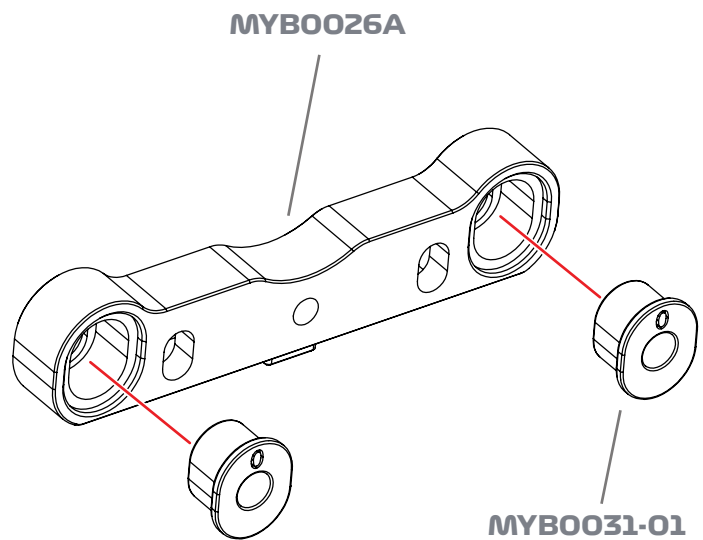


BEARING  
 6x13x5 x2

MYH0005



M5x4 x1



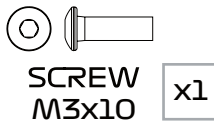
**OPTIONS**

MYB0029-01A C-Block 50 (for 1.5deg toe)

MYB0029-02A C-Block 51 (for 0.5deg toe)

MYB0026-01 High or low spacer set

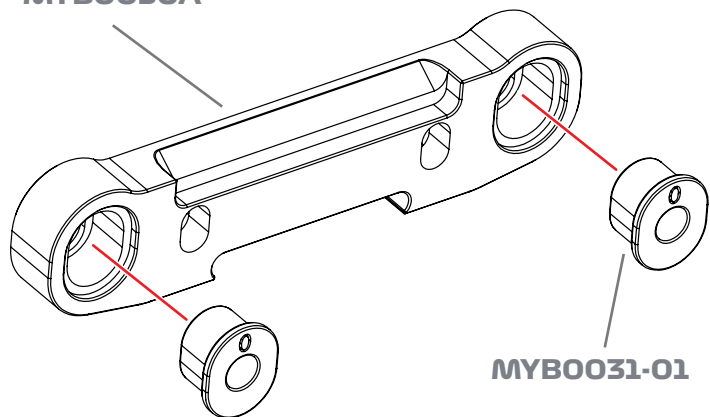
MYH0030



MYB0007



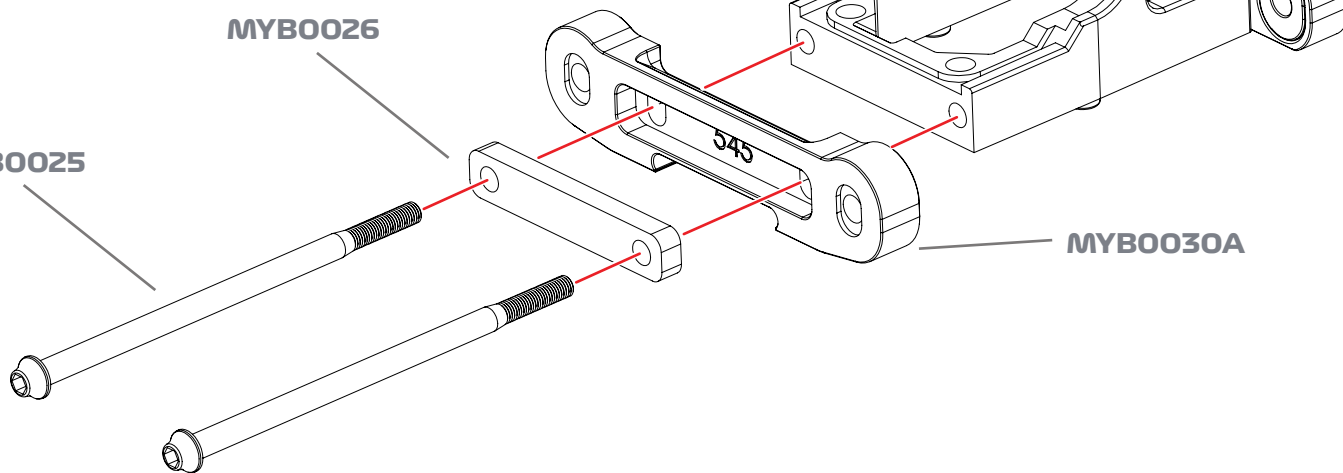
MYB0030A



MYB0031-01

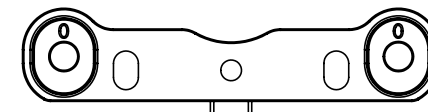
MYB0026

MYB0025

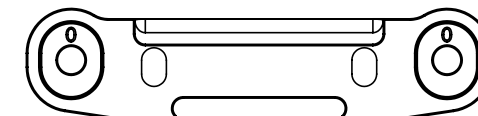


MYB0030A

C BLOCK



D BLOCK



**OPTIONS**

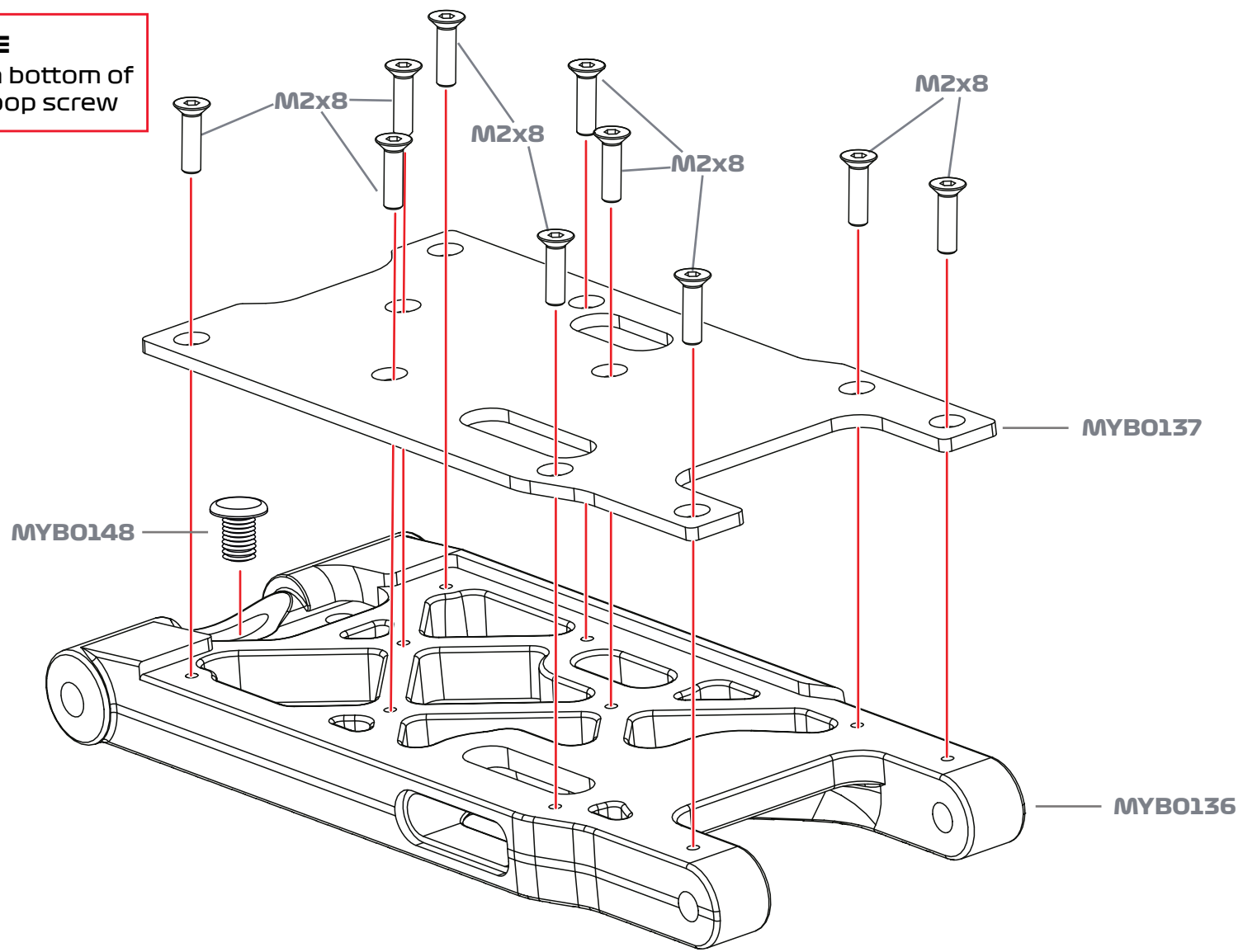
- MYB0025TI TI Gearbox screws
- MYB0026-01 High or low spacer set
- MYB0026CF CF Spacer set
- MYB0030-01 D-block 53 (for 1.5deg toe)
- MYB0030-02 D-block 52 (for 0.5deg toe)

MYB0025



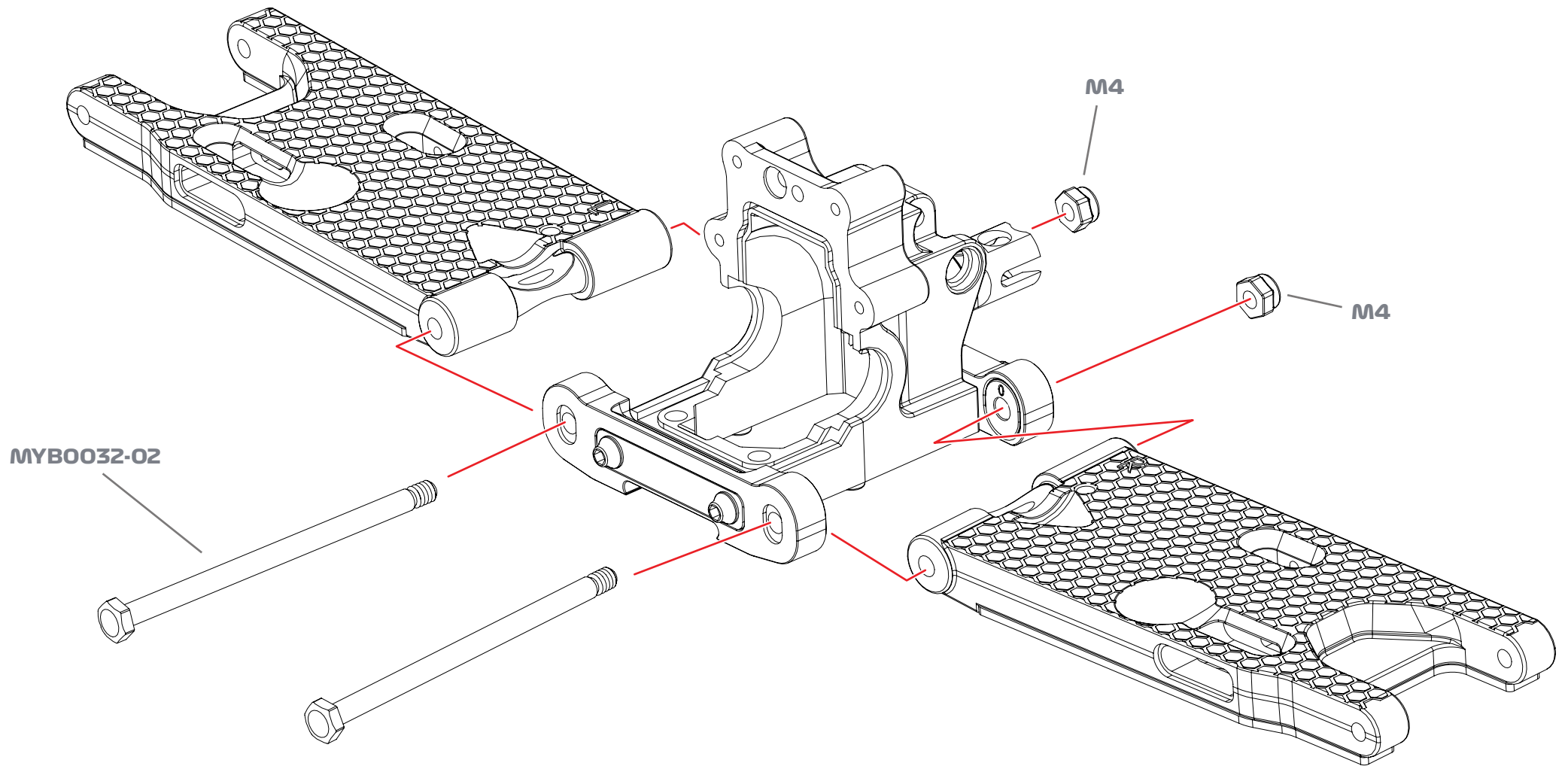
LONG SCREW x2

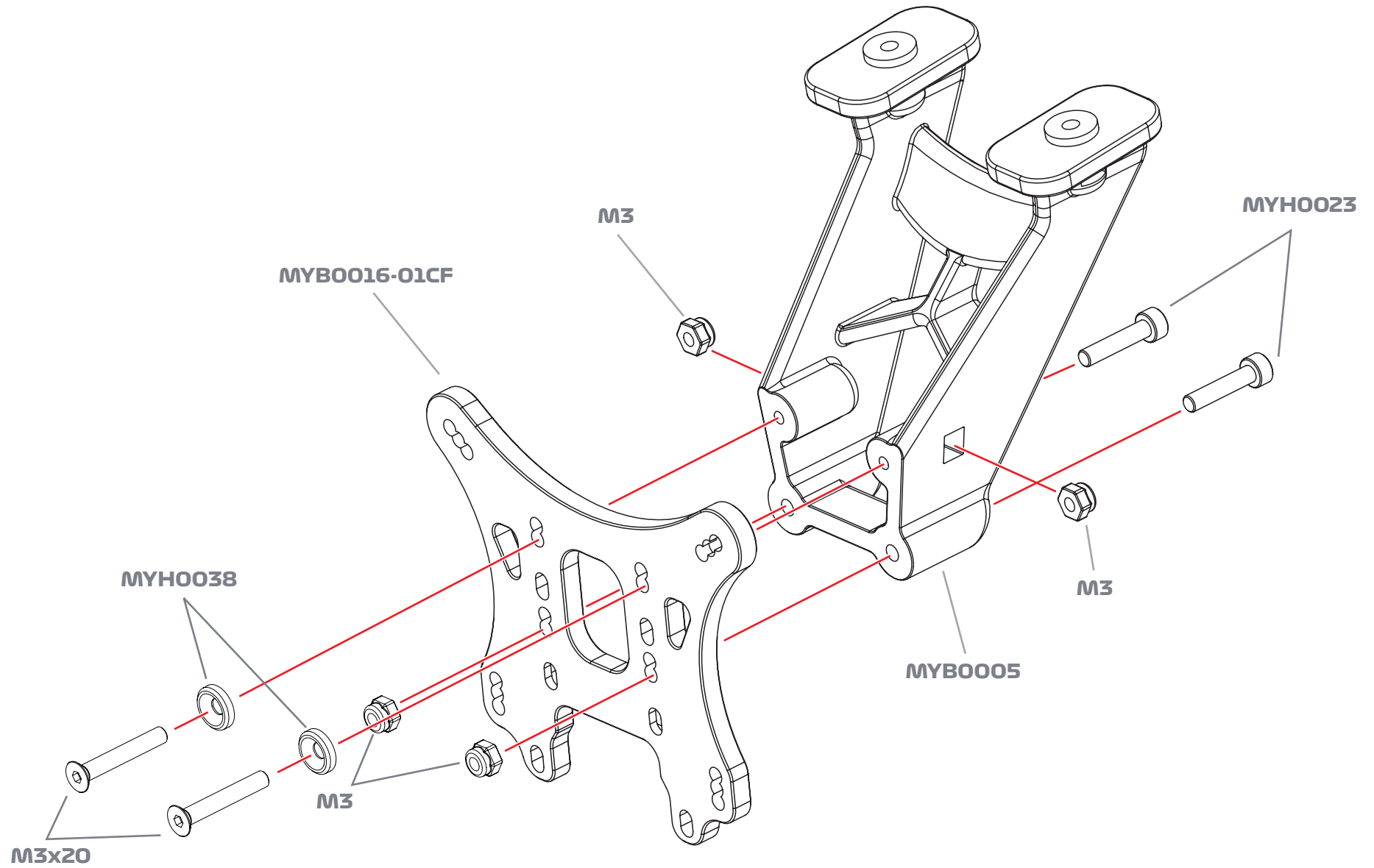
**ATTENTION**  
**ASSEMBLY NOTE**  
Insert driver from bottom of arm to thread droop screw



**OPTIONS**  
MYB0037CF CF braces

MYH0010  
SCREW M2x8 x20

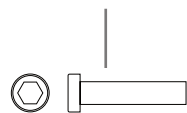




**OPTIONS**

- MYB0016CF CF Rear tower
- MYB0016-01CF CF Long link tower

MYH0023

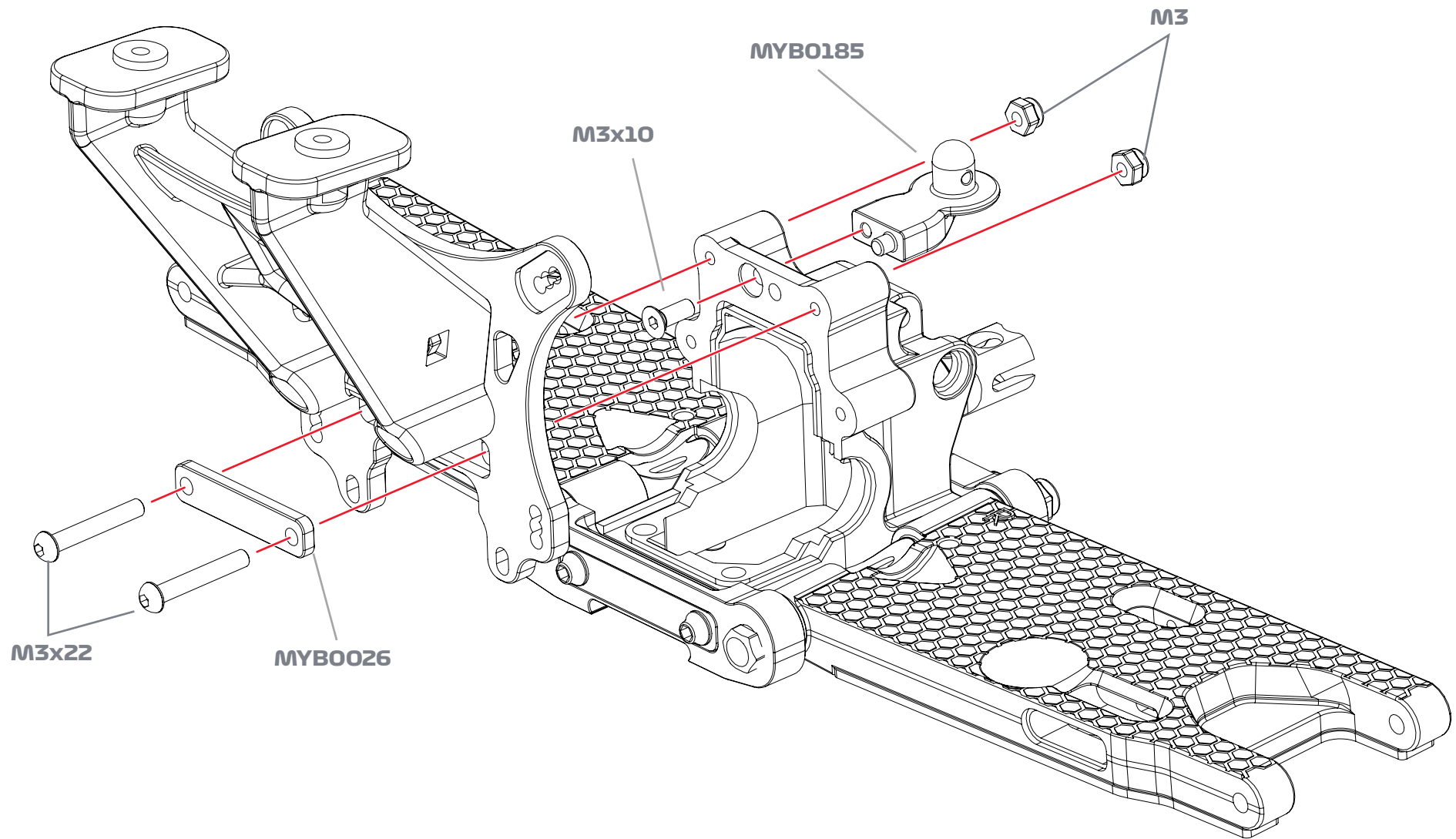


M3x14 x2

MYH0007

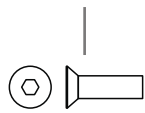


NYLOCK NUT M3 x4



**OPTIONS**  
 MYB0026-01 High or Low Spacer Set  
 MYB0026CF CF Spacer Set

MYH0013



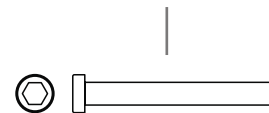
SCREW M3x10 x1

MYH0007

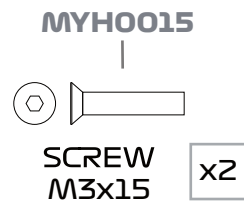
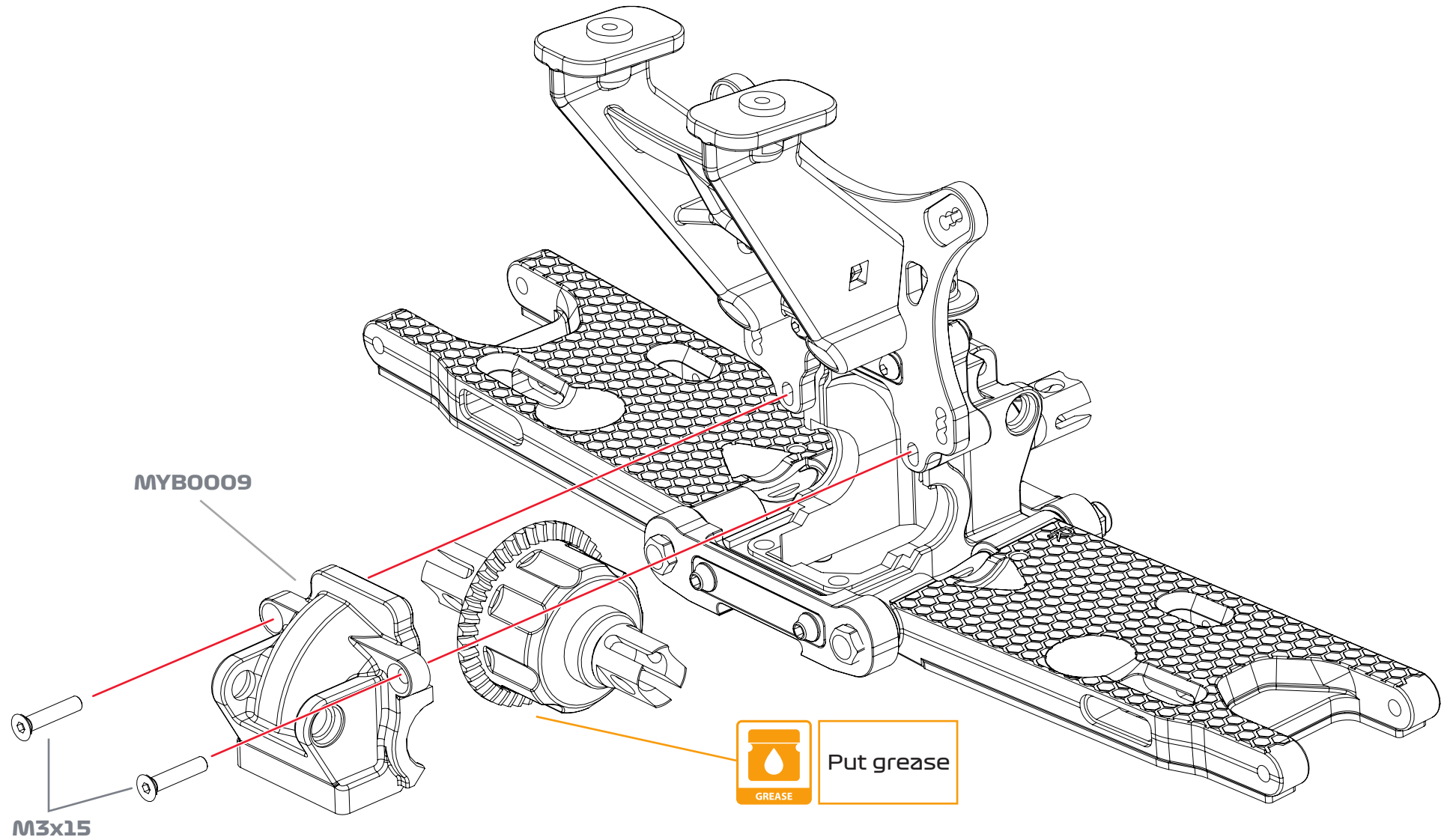


NYLOCK NUT M3 x2

MYH0033



SCREW M3x22 x2



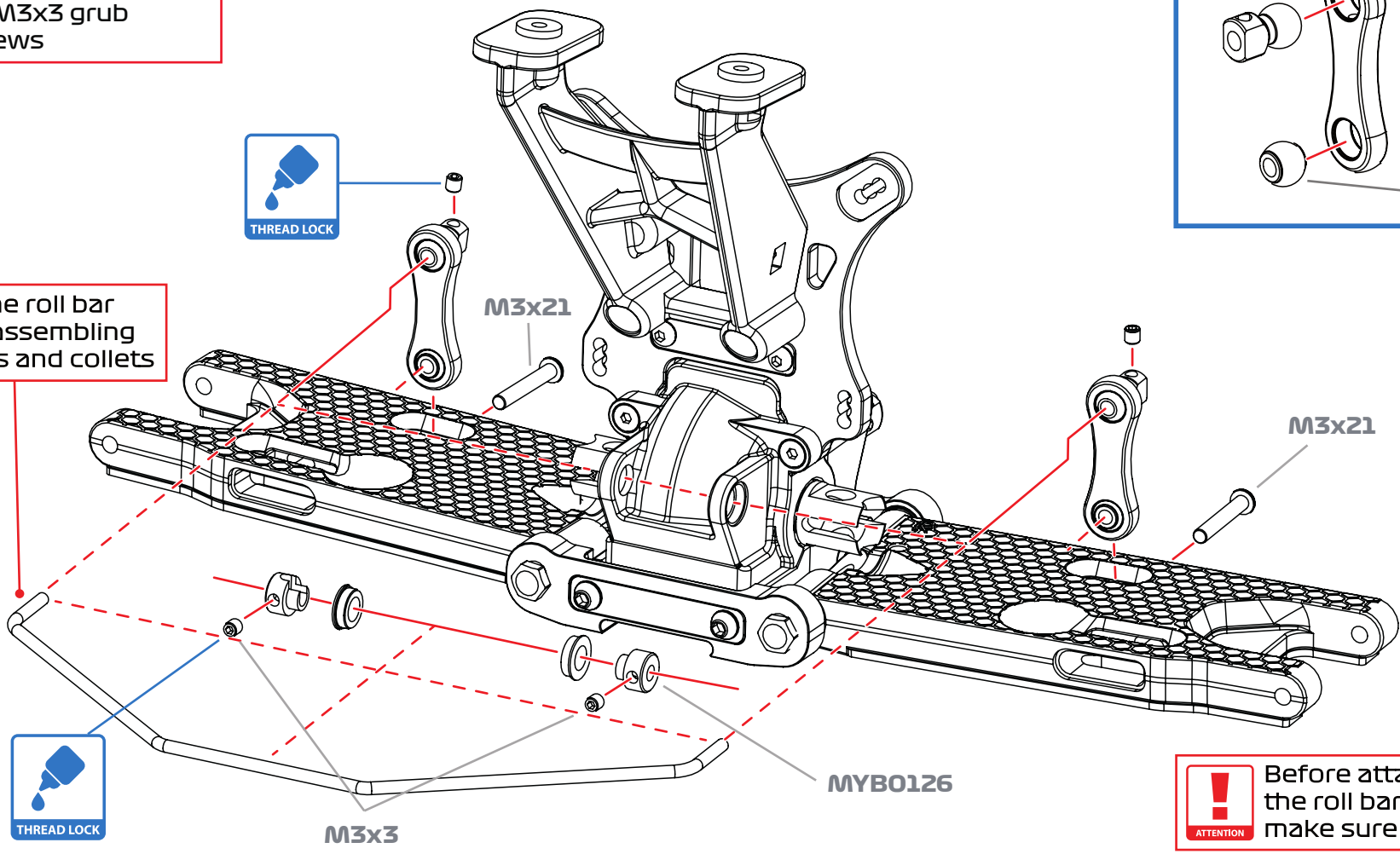
**NOTE**  
Do not overtighten on M3x3 grub screws

**ATTENTION**  
Insert the roll bar before assembling bearings and collets

MYB0129ALU

**x2**  
MAKE 2

MYB0130ALU



**ATTENTION**  
Before attaching the roll bar to the links, make sure it moves freely

**OPTIONS**

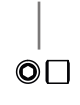
- MYB0127-01 Adjustable roll links
- MYB0128 Link turnbuckle screw
- MYB0125-24 2,4mm Rear Anti-roll bar
- MYB0125-25 2,5mm Rear Anti-roll bar
- MYB0125-26 2,6mm Rear Anti-roll bar
- MYB0125-27 2,7mm Rear Anti-roll bar

MYH0033



SCREW M3x21 x2

MYH0003

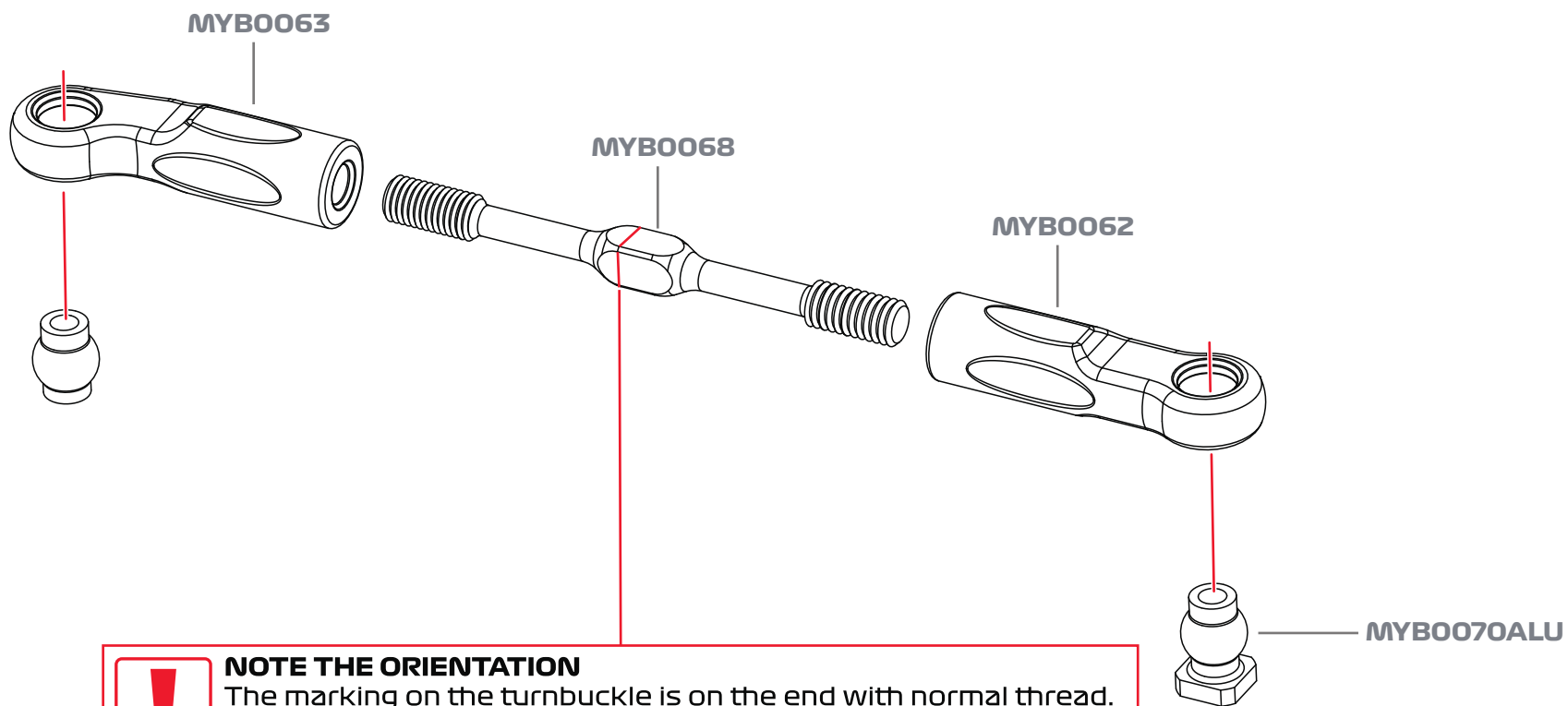


M3x3 x4

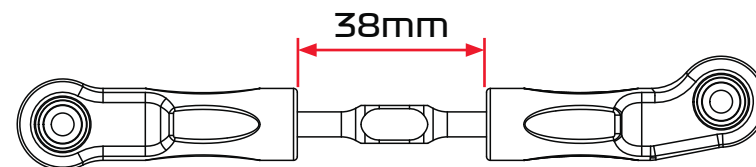
MYB0170



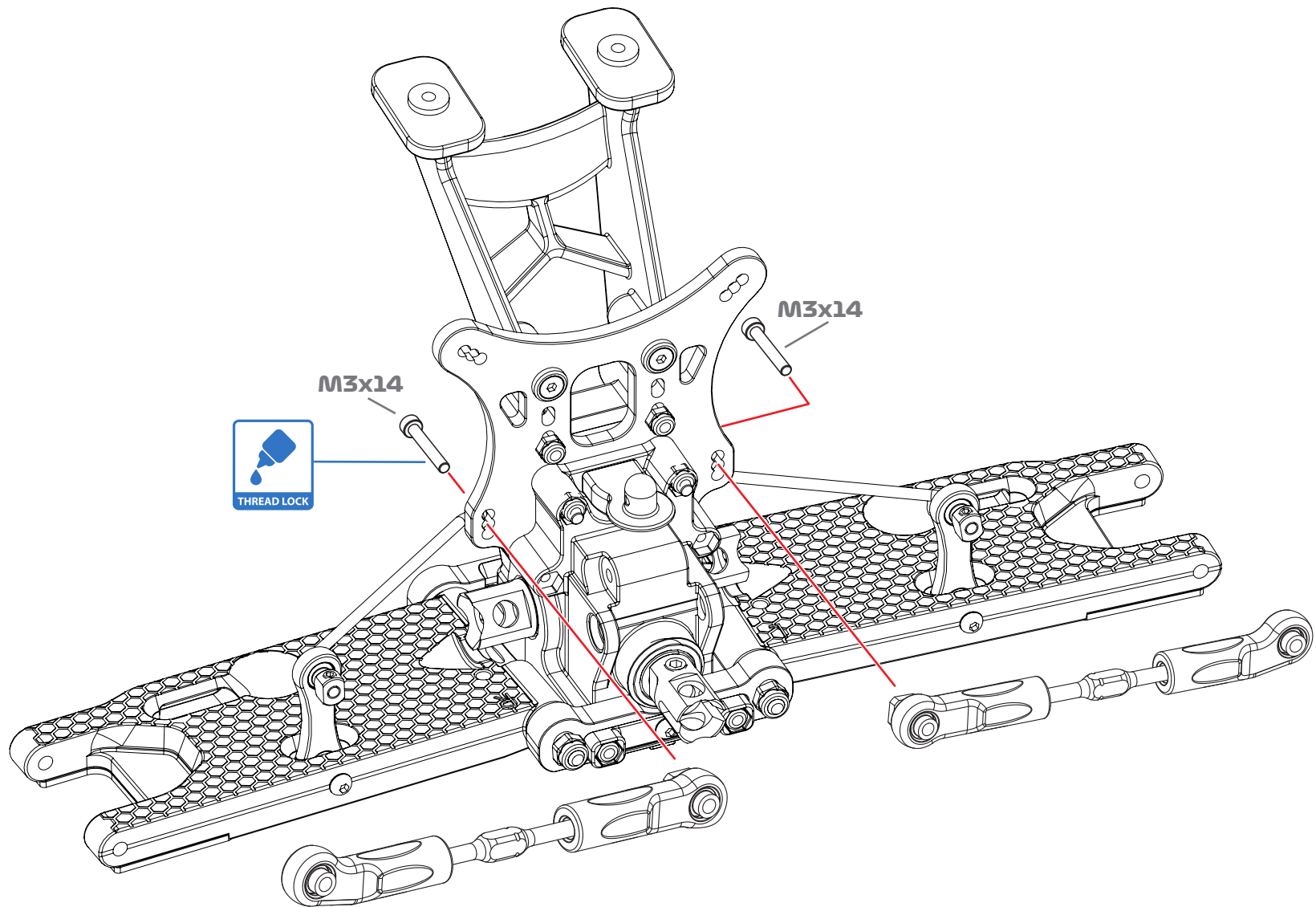
FLANGED BEARING 5x8x2.5 x2



**ATTENTION** **NOTE THE ORIENTATION**  
 The marking on the turnbuckle is on the end with normal thread. Place them all on the same side so you adjust all turnbuckles in the same direction.



**OPTION**  
 MYB0068TI TI Turnbuckle



MYH0023



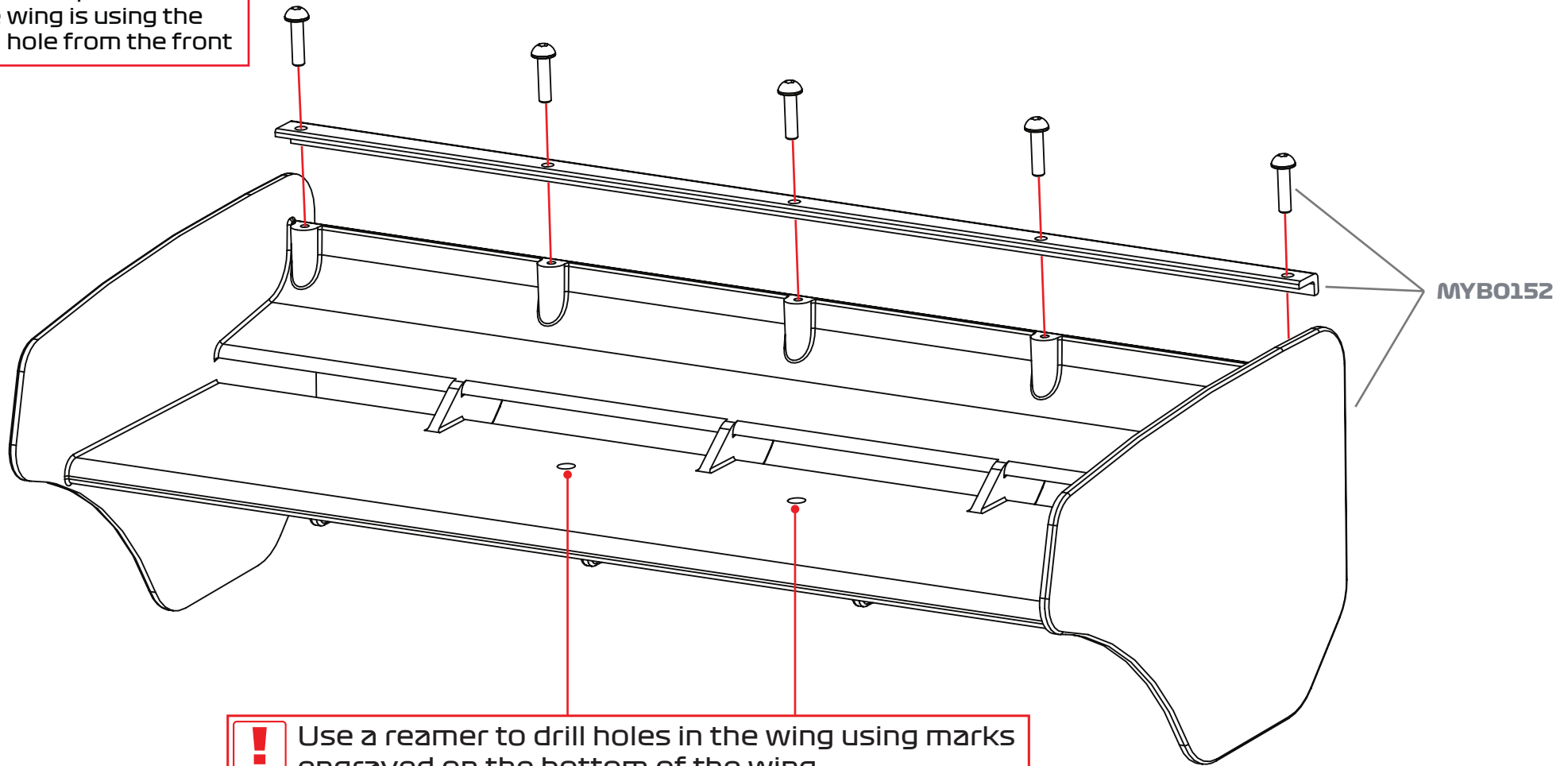
SCREW  
M3x14

x2

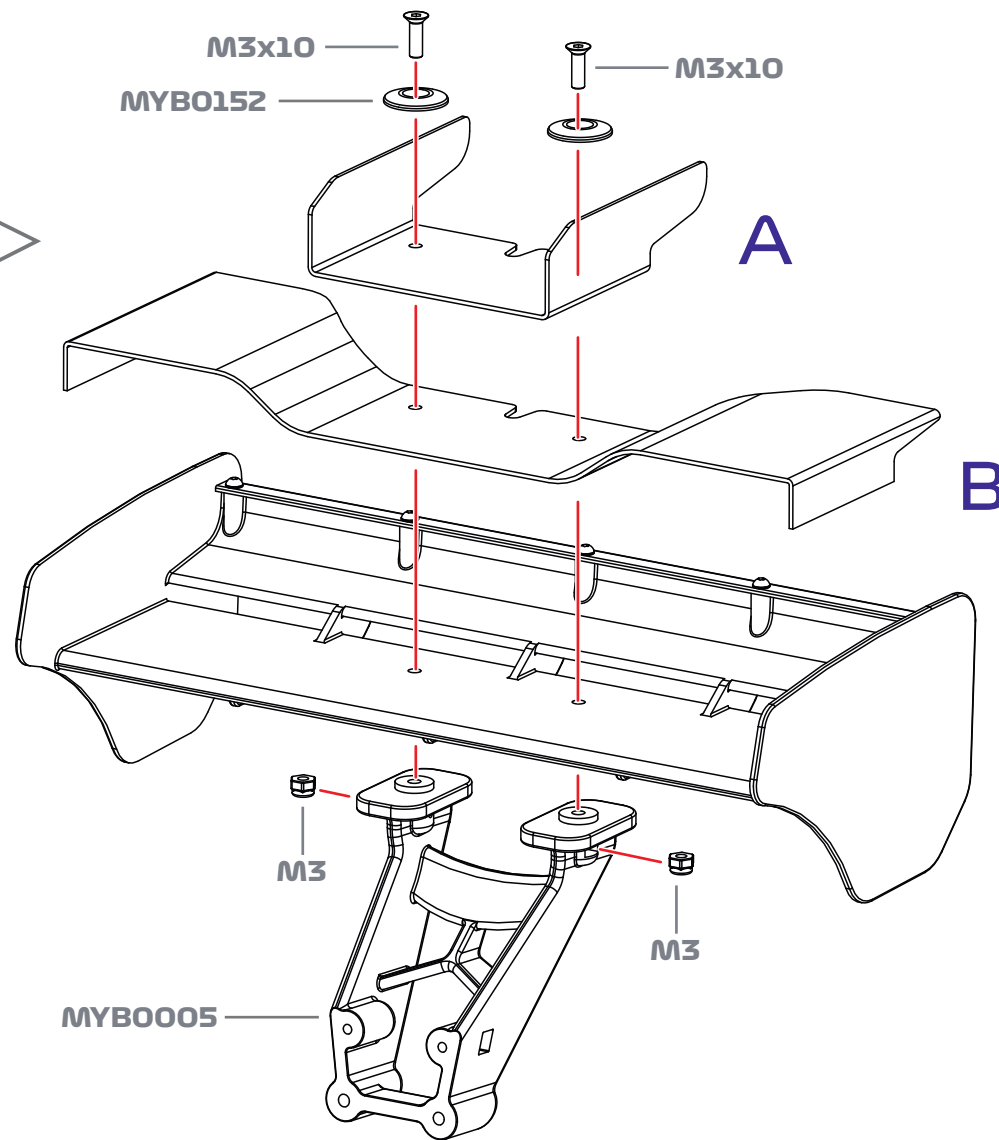
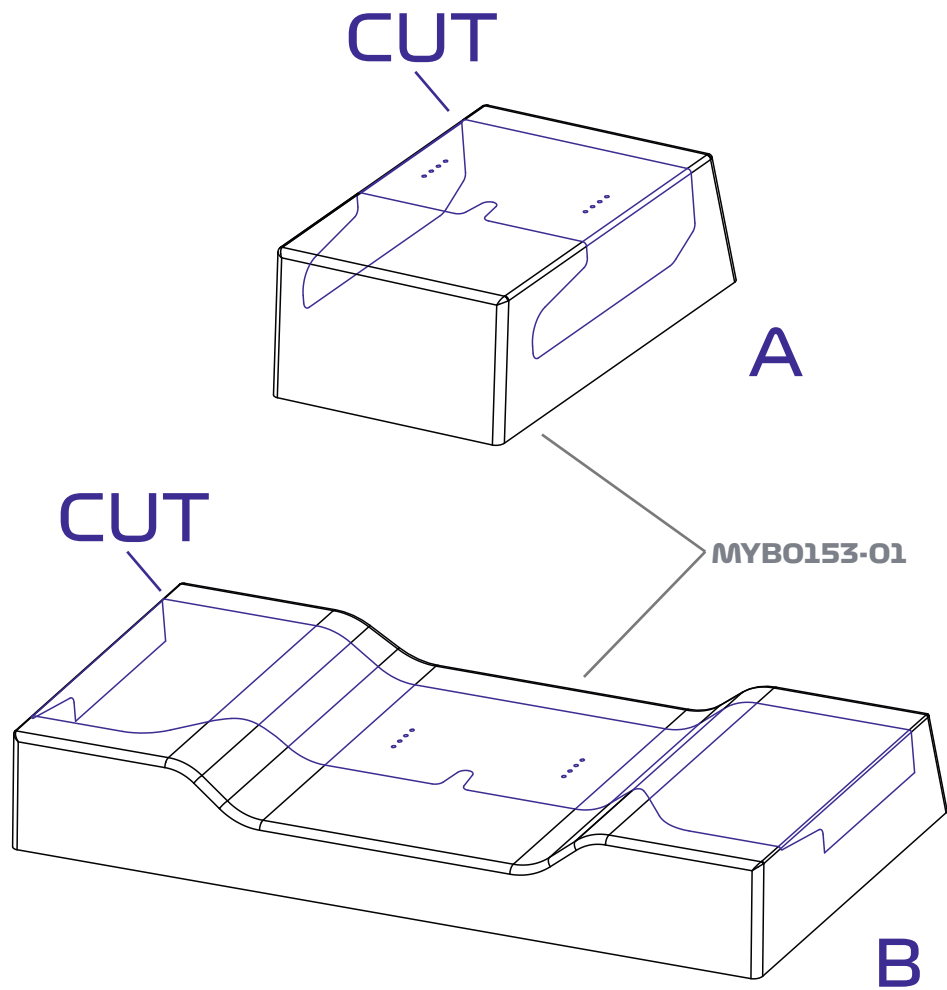


**NOTE**

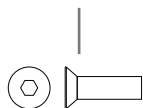
Standard position of the wing is using the 3rd hole from the front



Use a reamer to drill holes in the wing using marks engraved on the bottom of the wing.



MYH0013



SCREW  
M3x10

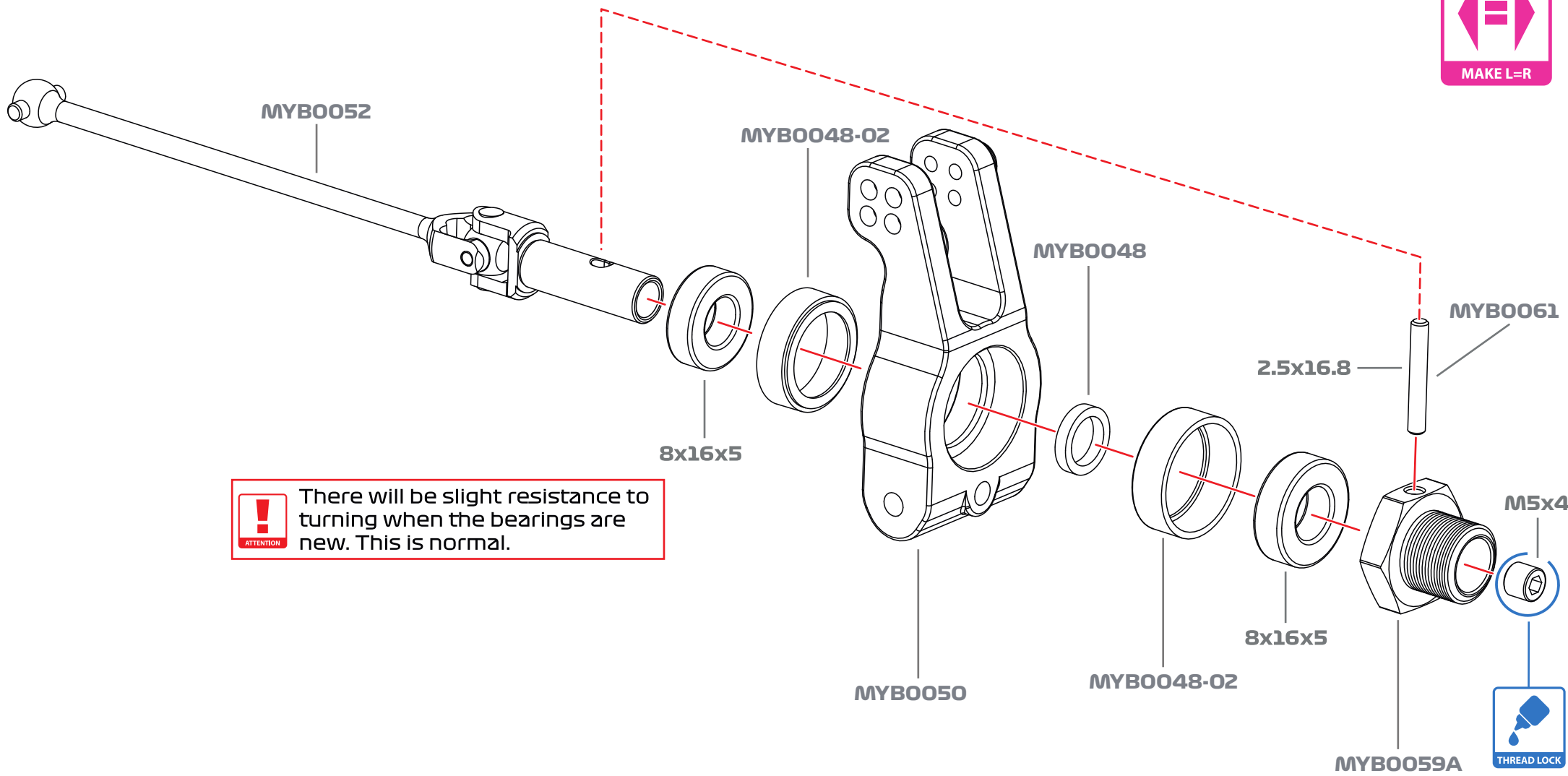
x2

MYH0007



NYLOCK NUT  
M3

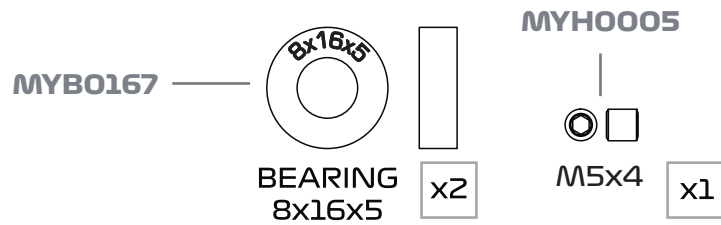
x2



**ATTENTION** There will be slight resistance to turning when the bearings are new. This is normal.

**OPTIONS**

- MYB0052-01 94mm universals
- MYB0058 CVD shafts kit 100mm
- MYB0048-01 CVD Rear crushwasher
- MYB0059-01A 4mm Hexes
- MYB0059-02A 6mm Hexes
- MYB0050-01 Alu rear hub
- MYB0050-02 Inserts for rear hub

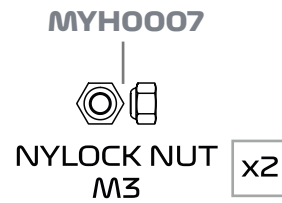
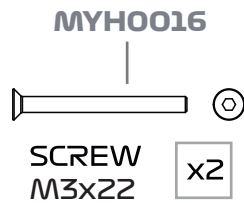
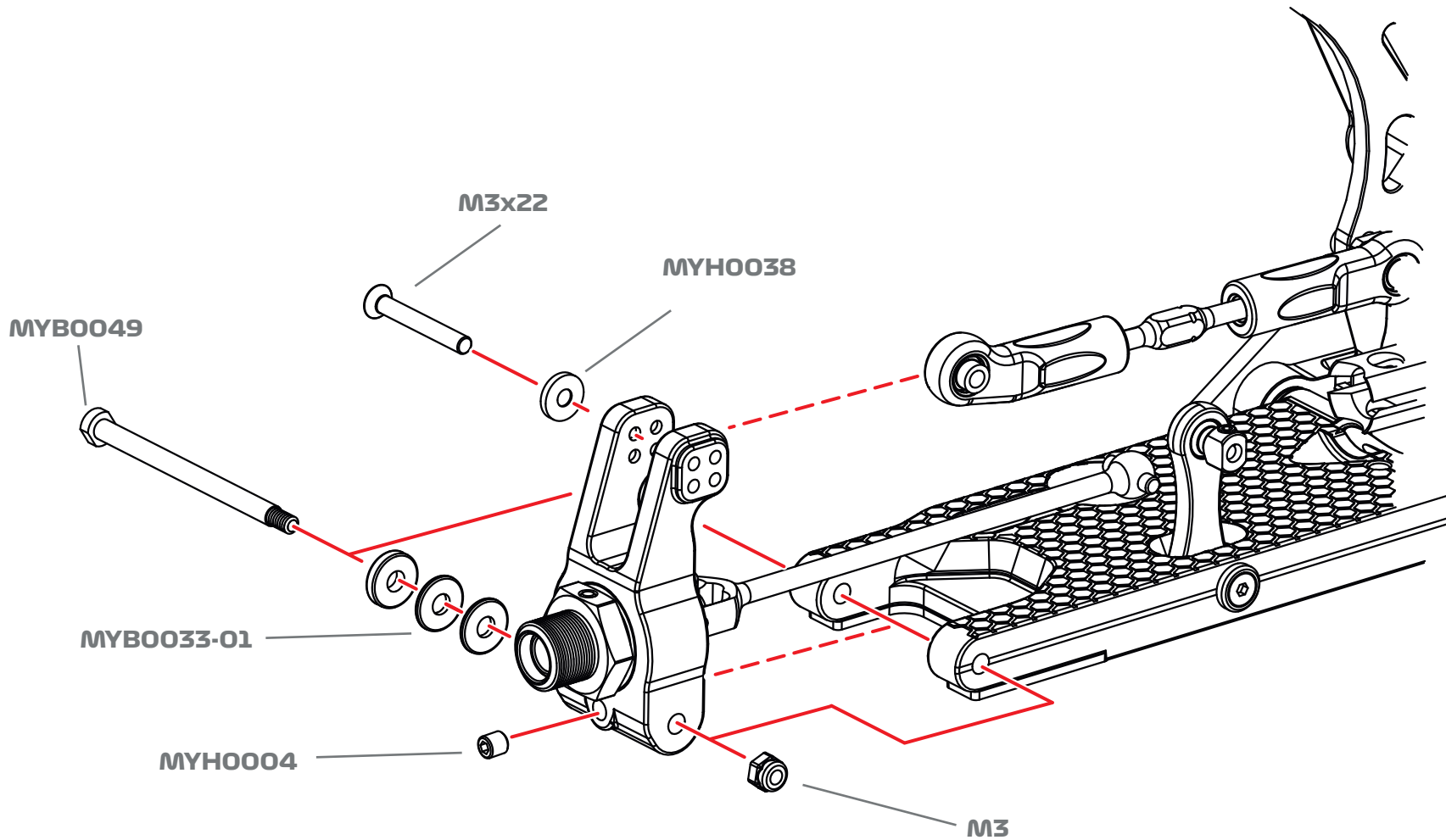




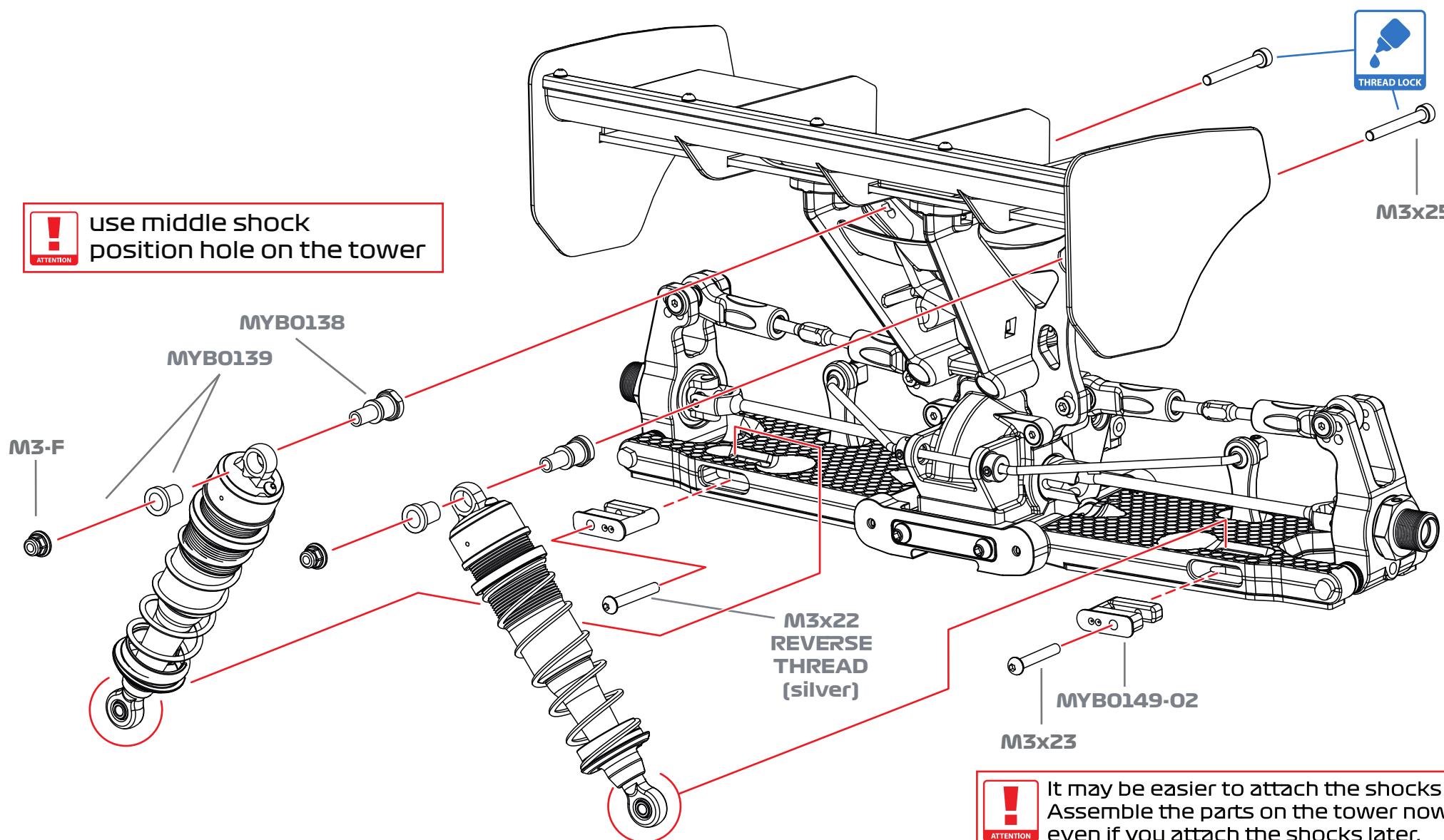
Ensure hub rotates smoothly.  
Do not overtighten M4x4 grub screw or M3 nut



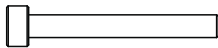
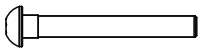




MAKE L=R



**!** use middle shock position hole on the tower

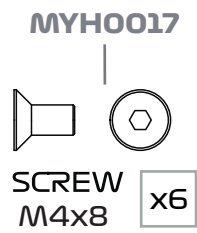
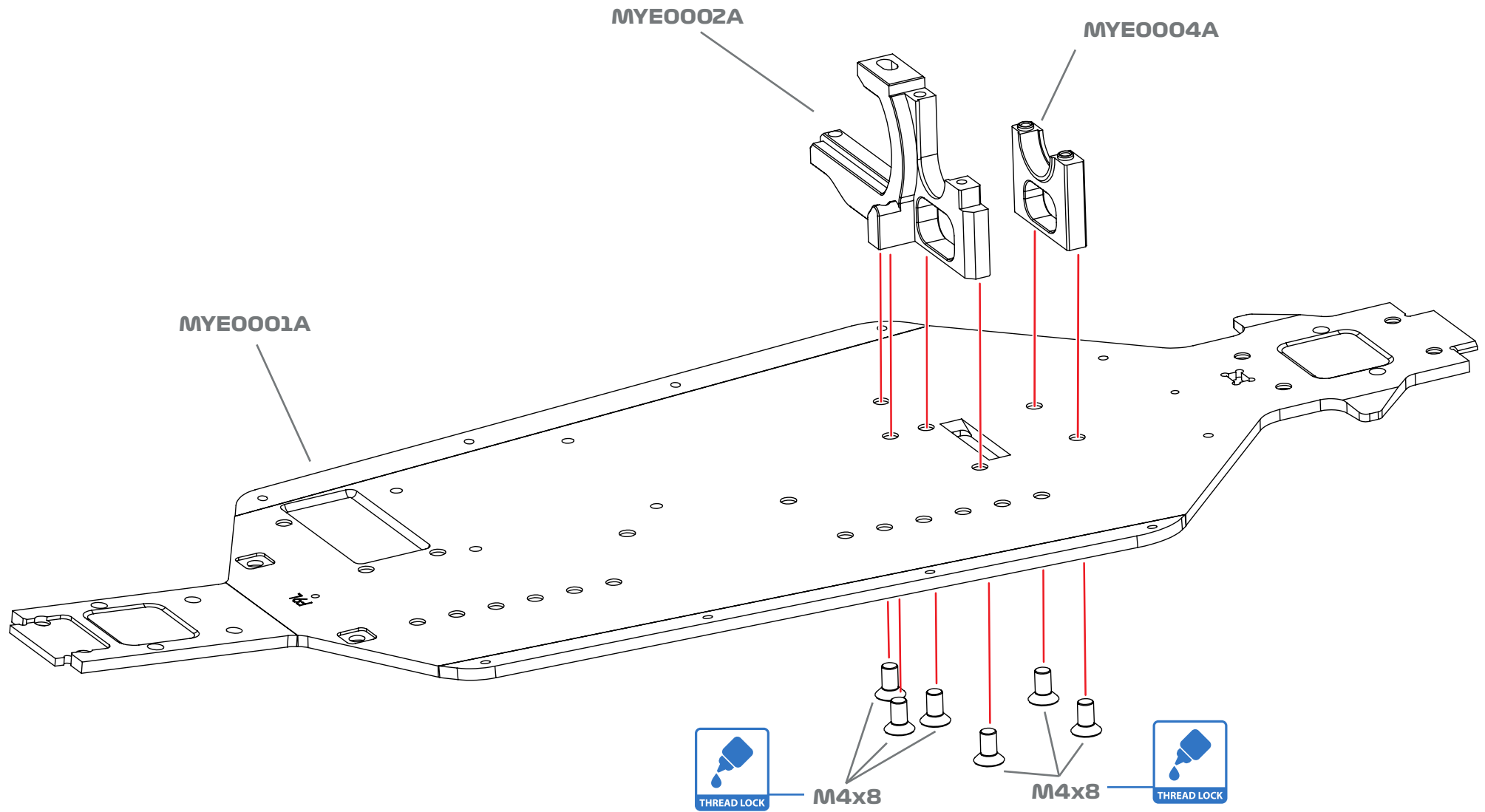


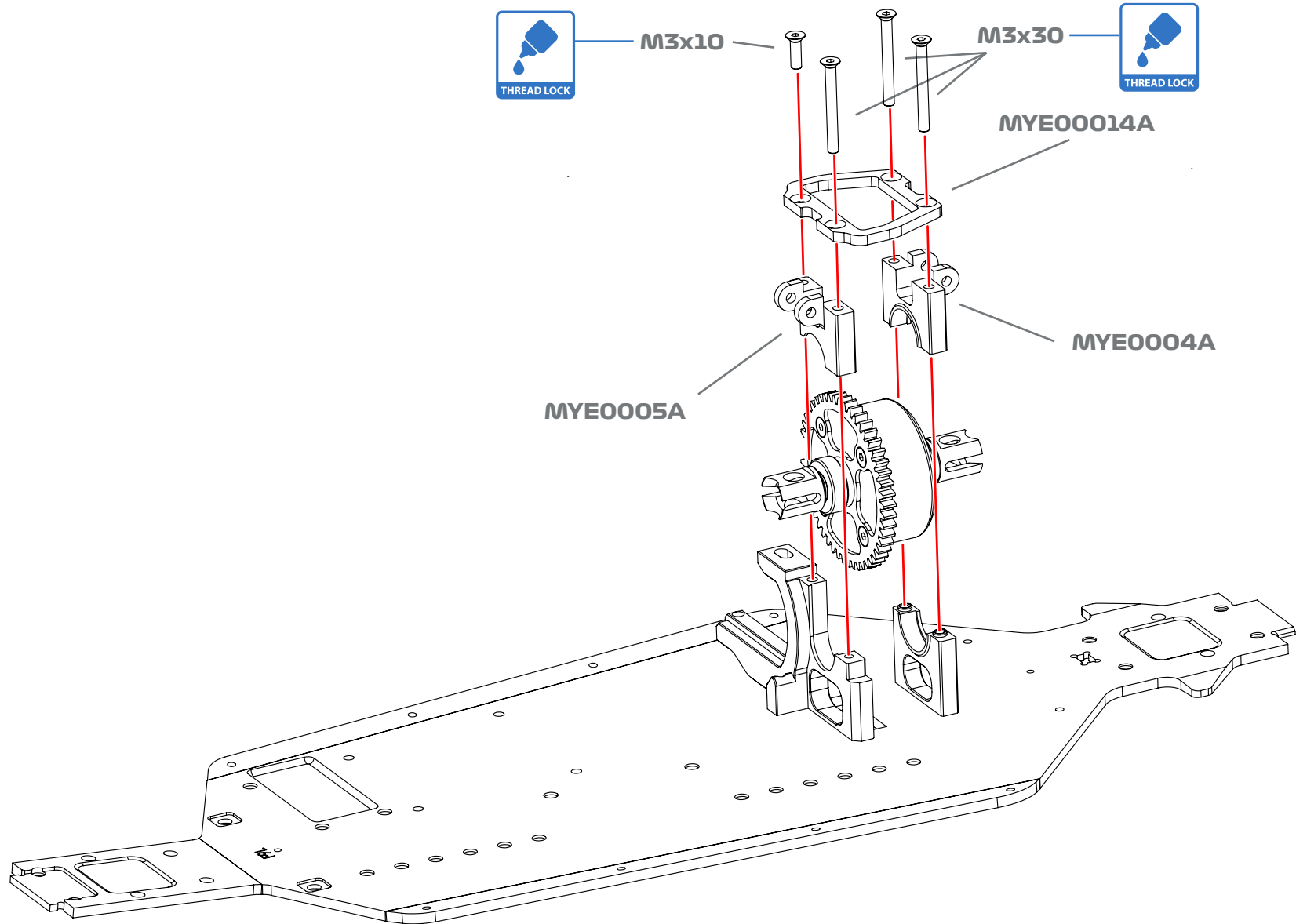
**!** It may be easier to attach the shocks last. Assemble the parts on the tower now even if you attach the shocks later.

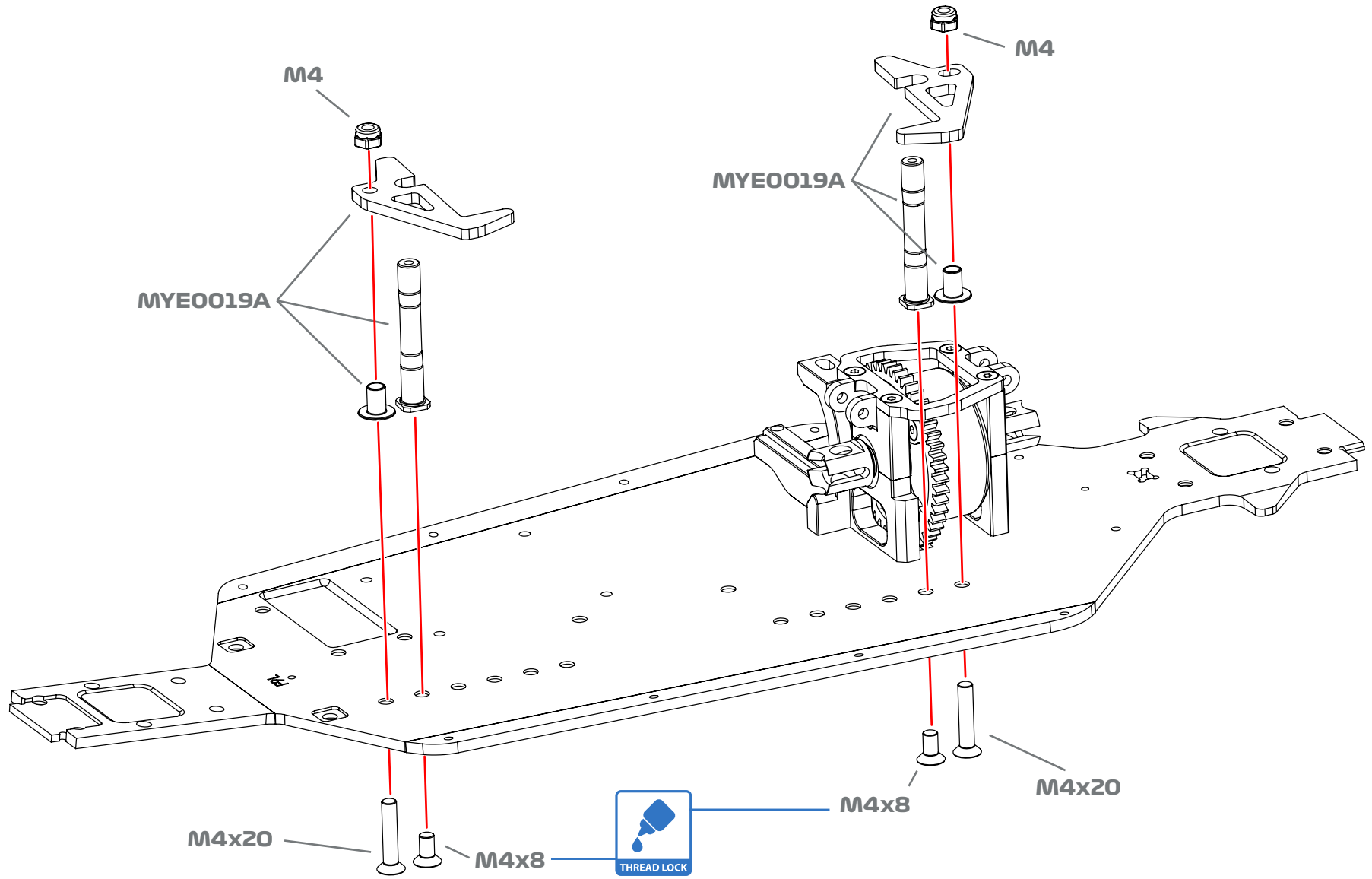
- |   |  |  |
|---|--|--|
| <p>MYH0024</p>  <p>SCREW<br/>M3x25</p> | <p>MYH0033</p>  <p>SCREW<br/>M3x23</p> | <p>MYH0009</p>  <p>FLANGED NUT<br/>M3</p> |
|  x2                                    |  x2                                   |  x2                                       |

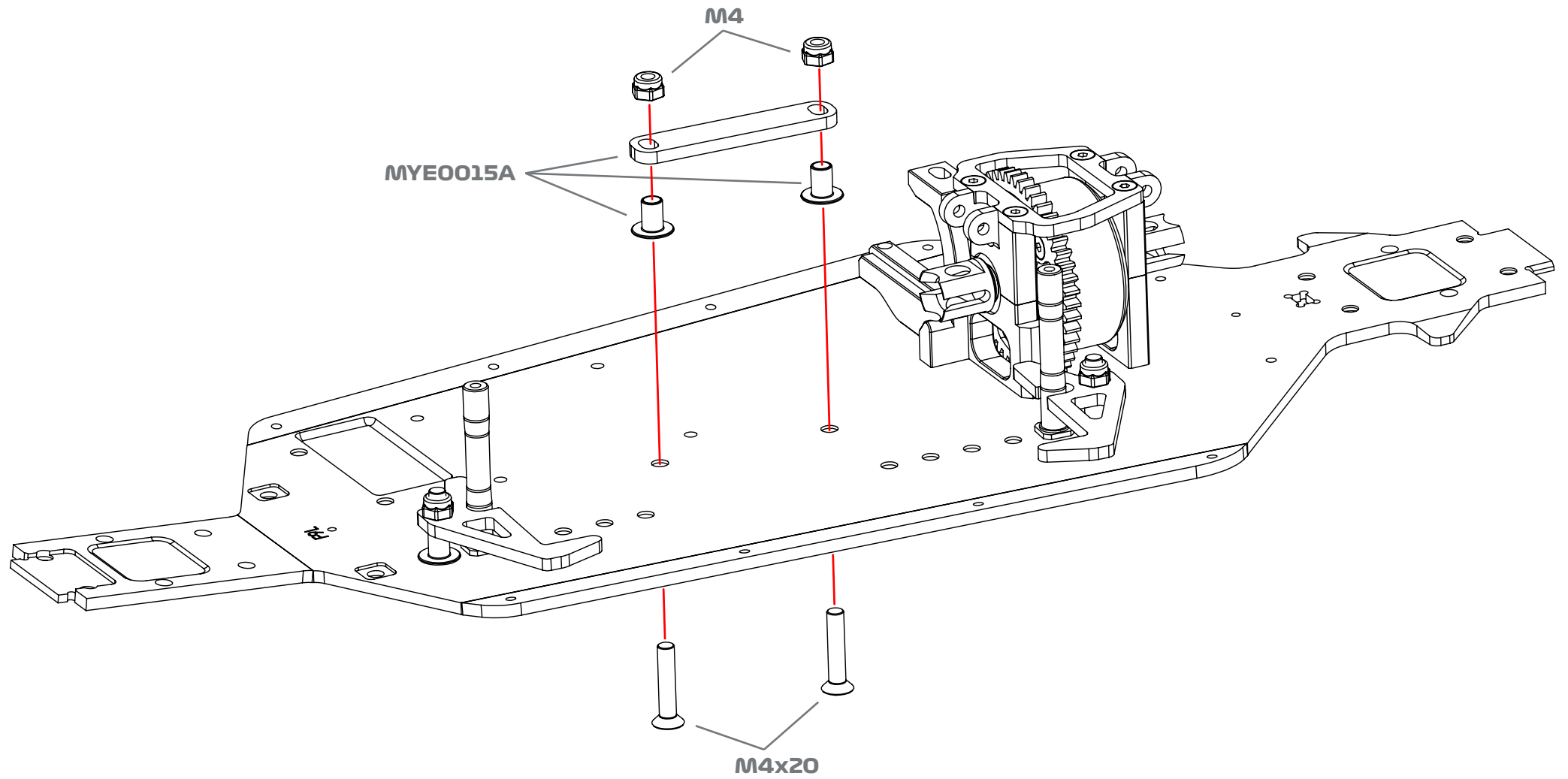
# CENTRE SECTION

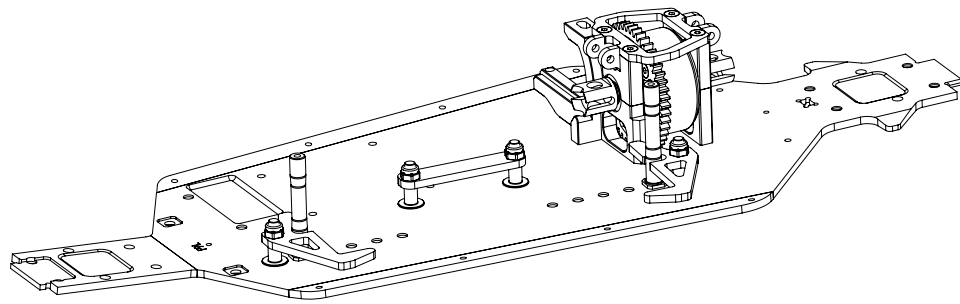












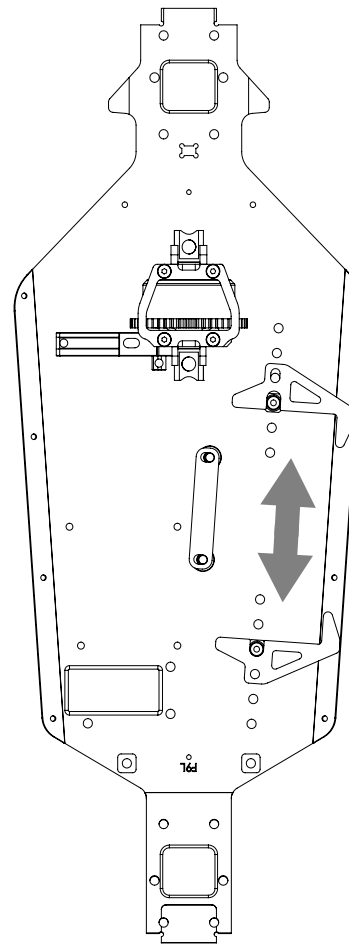
**BATTERY LAYOUT COMPATABILITY**

The Mayako MX8E is compatible with both fullsize and shorty LiPo batteries.

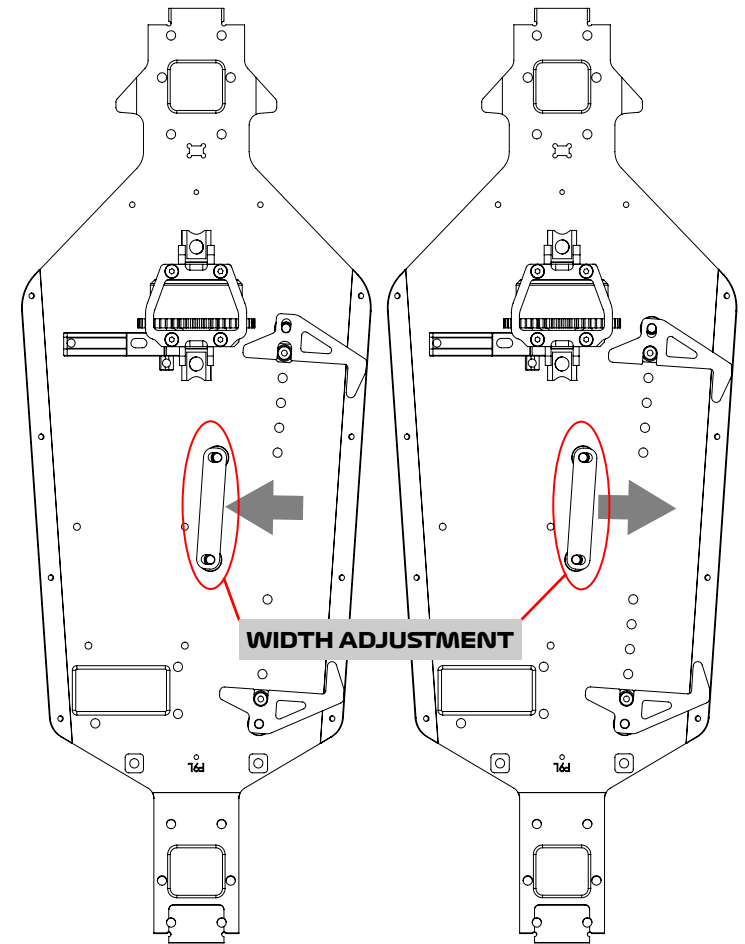
The same mounting system (MYE0019A) is used for all configurations.

Cell width is accounted for with the central battery restraint moving in/out to ensure no movement.

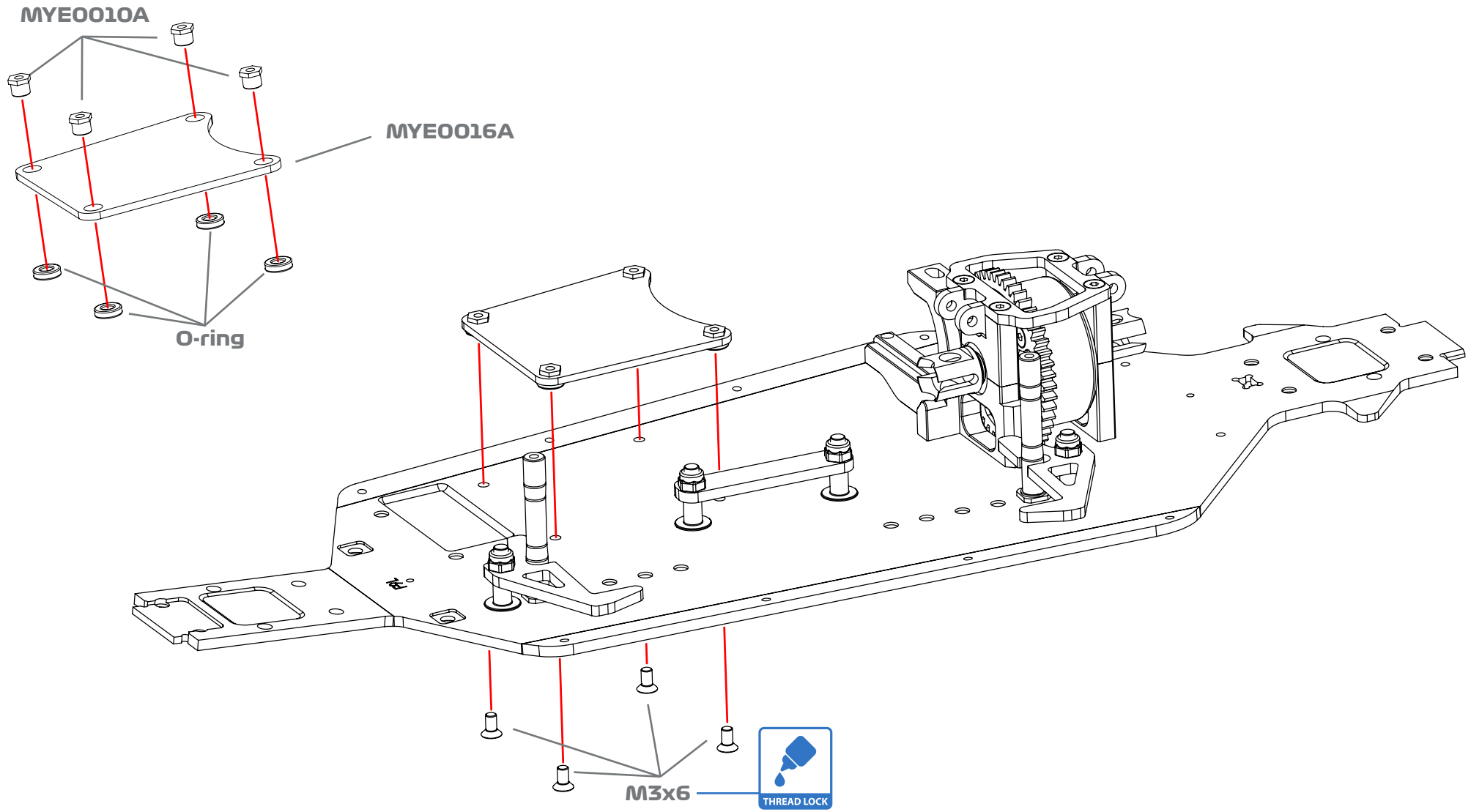
Cell length is accounted for by mounting the front or rear sections of MYE0019A in different holes. This can also be used to adjust the weight bias of the MX8E where battery size allows.

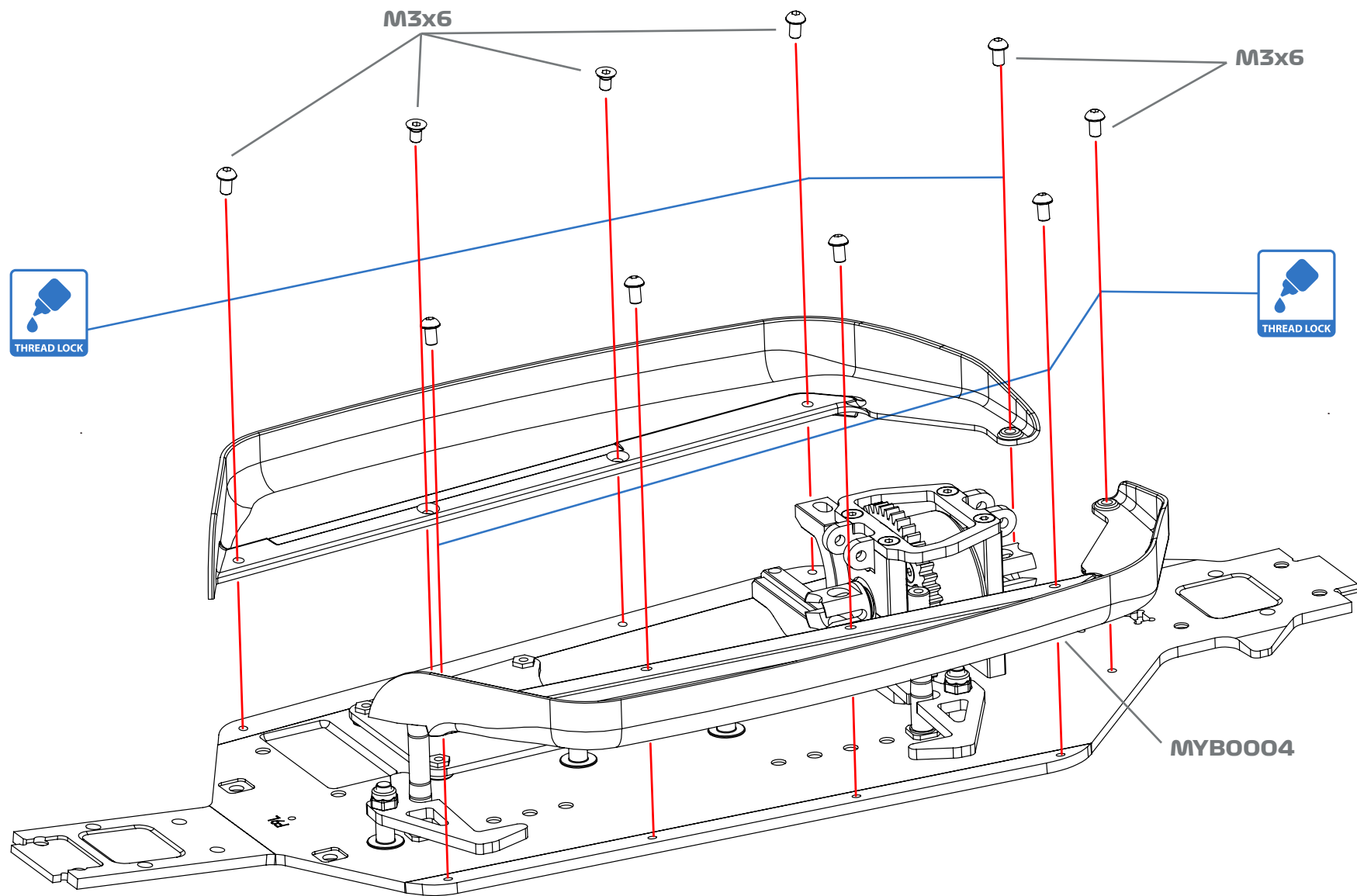


**4S / 2 x 2S SHORTY**



**4S BRICK / 2 x 2S FULL SIZE**



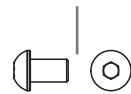


MYH0011

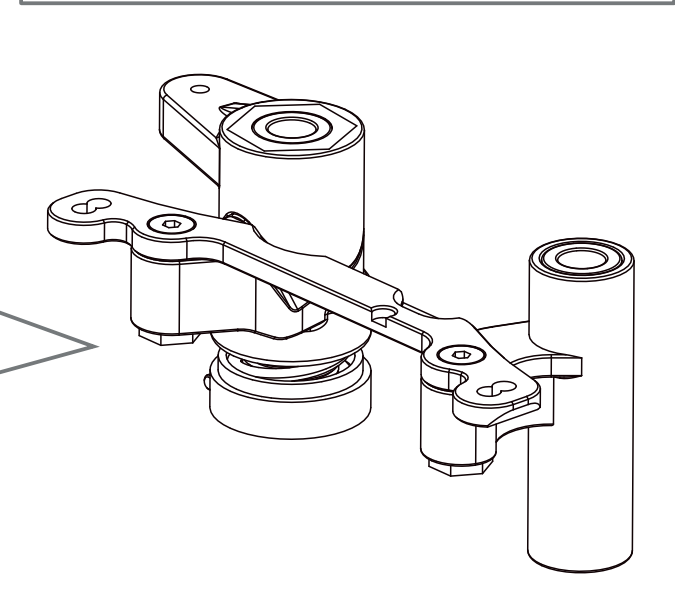
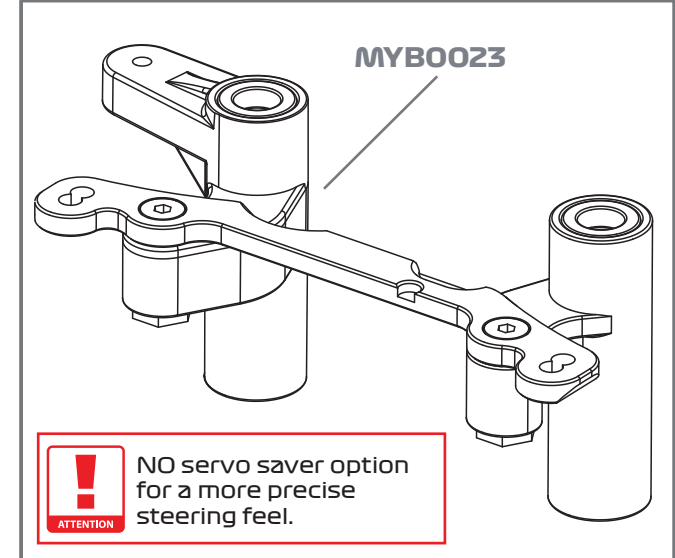
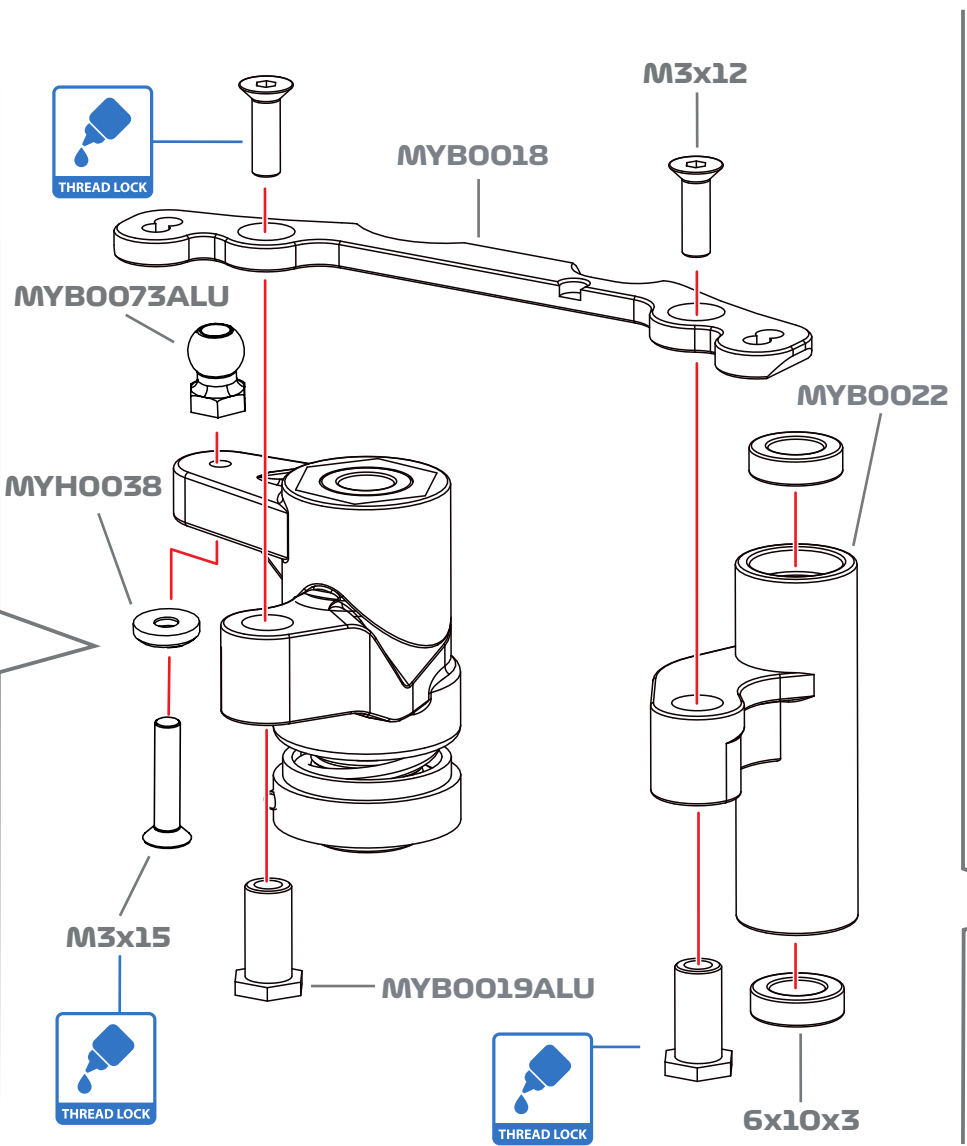
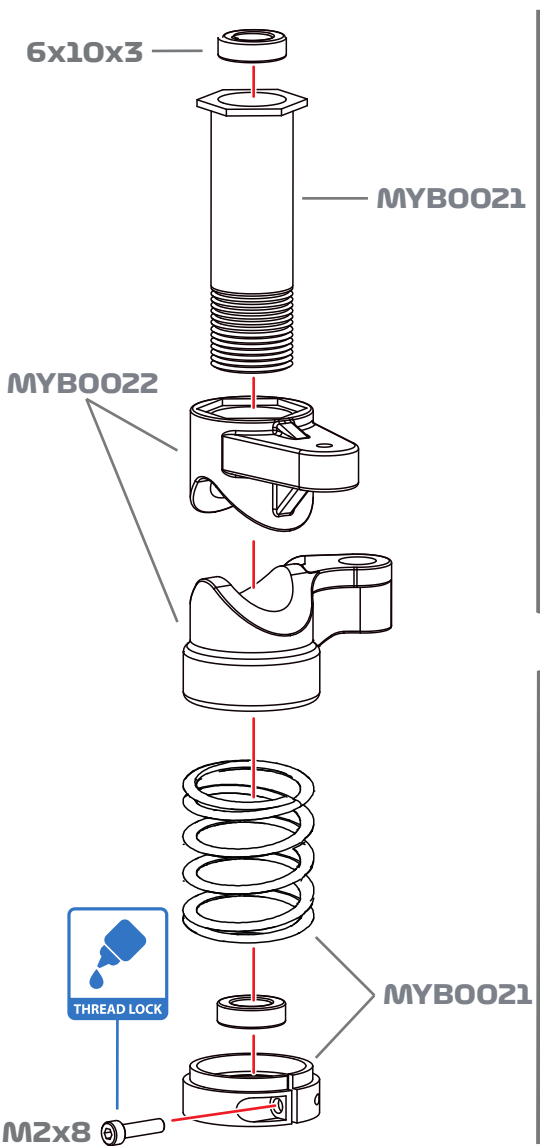


SCREW  
M3x6 x2

MYH0028



SCREW  
M3x6 x8



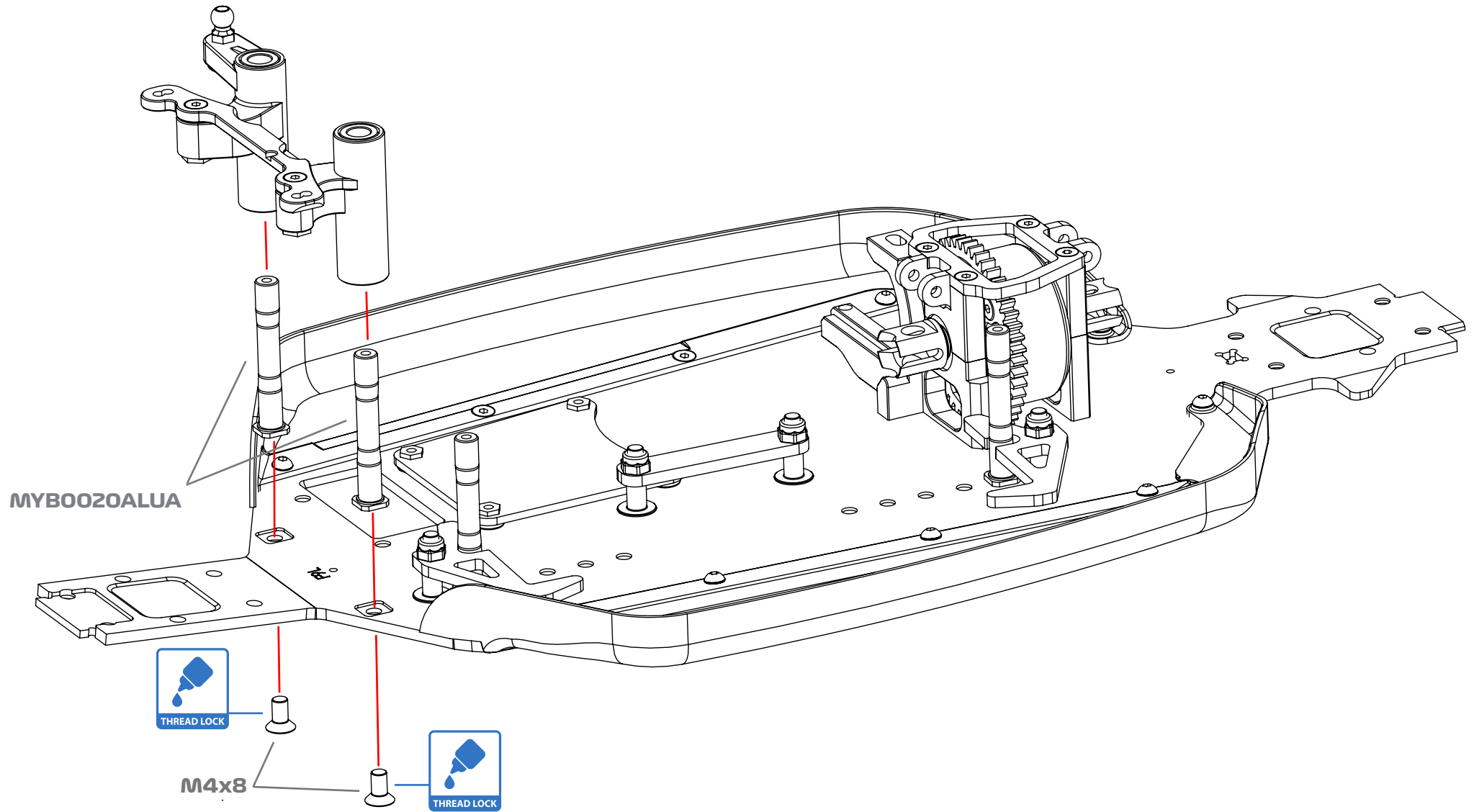
**! ATTENTION** **Note:** With a high torque, metal case steering servo, most drivers use the no servo saver option. To run the servo saver with screw type hinge pin, fully tighten and back off the nut ½ turn giving a measurement of 4.4mm from end of thread to nut underside.

MYH0015  
SCREW M3x15 x1

MYB0025  
SCREW M2x8 x1

MYH0014  
SCREW M3x12 x1

MYB0069  
BEARING 6x10x3 x4

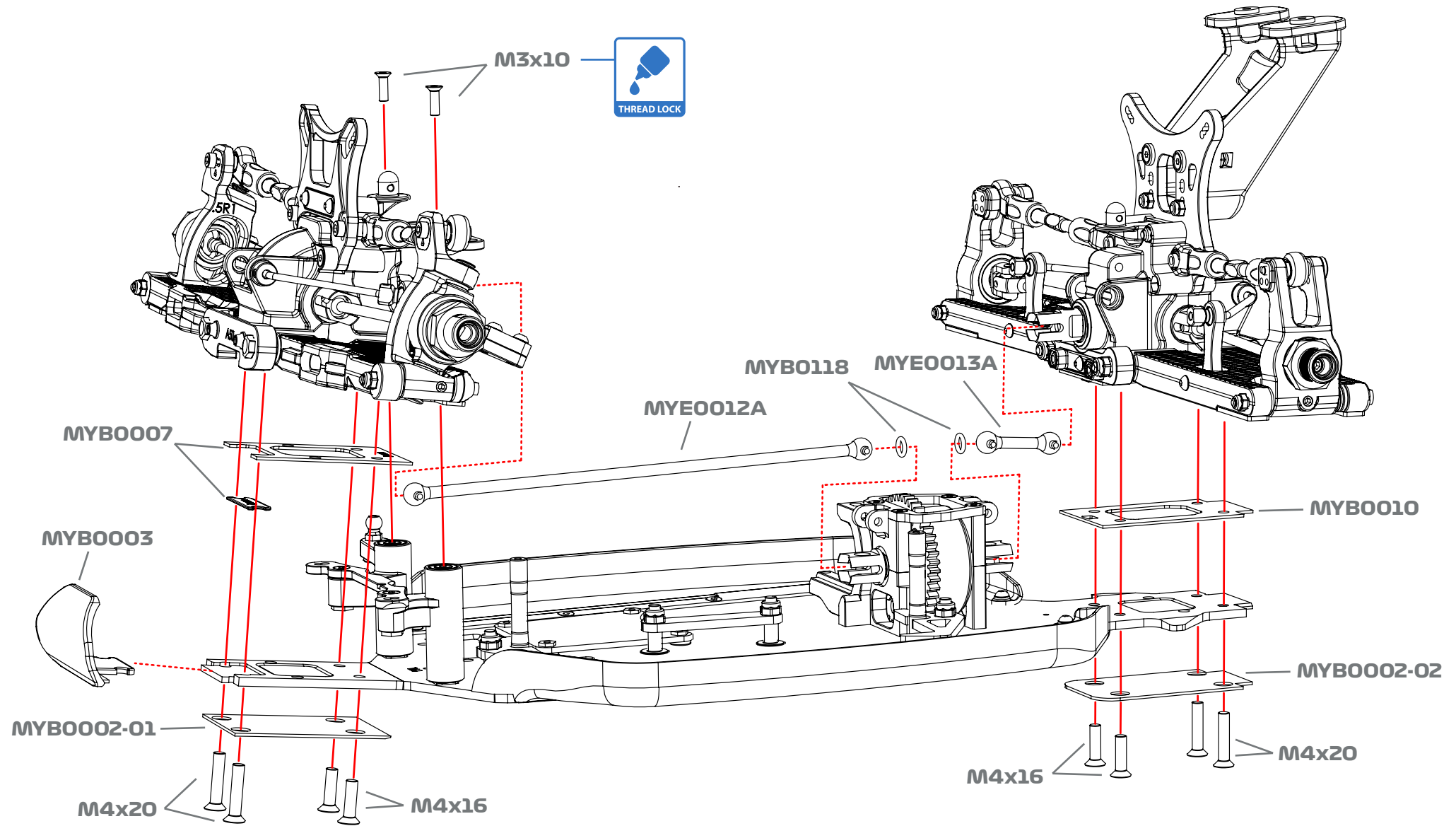


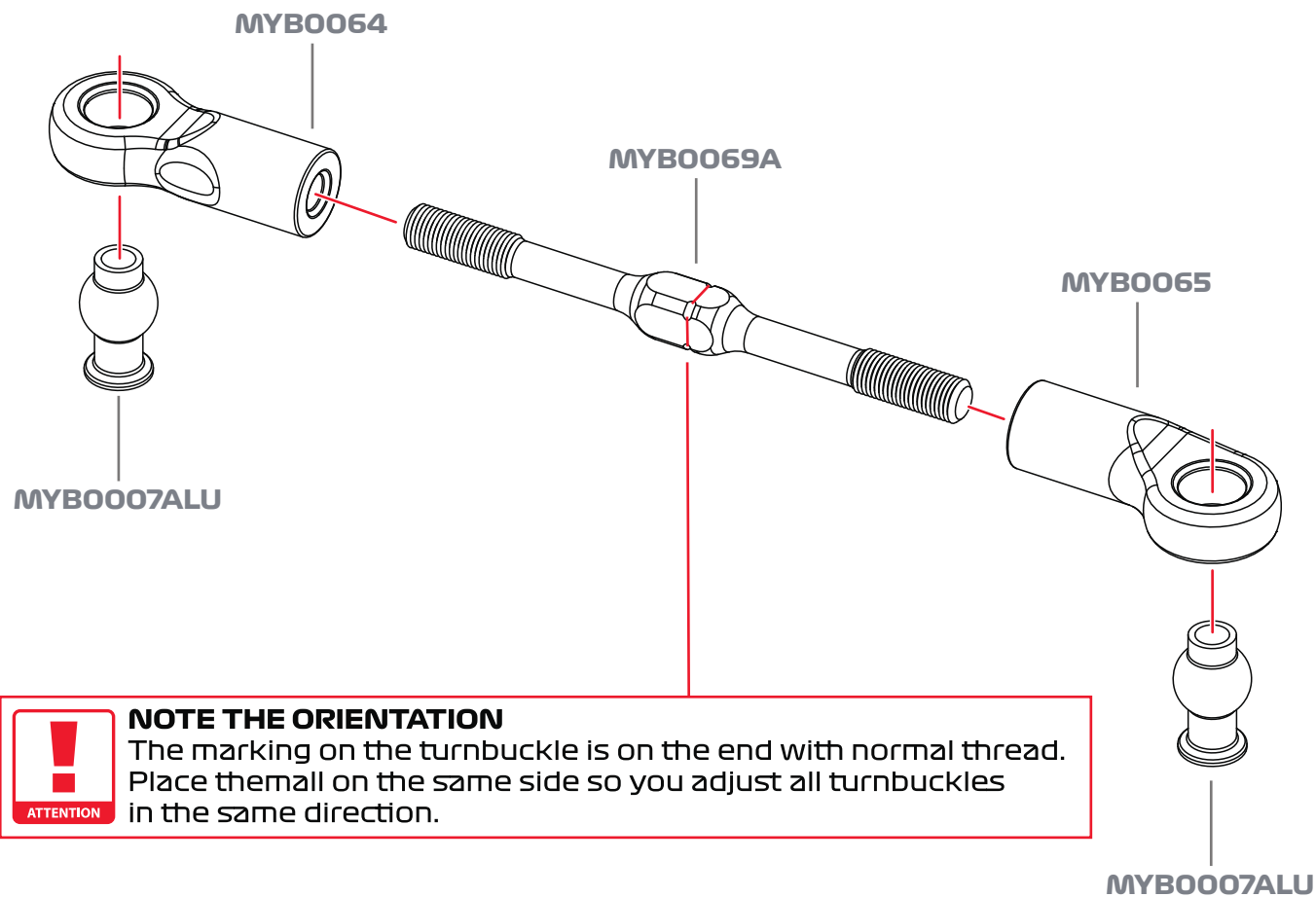
MYH0017



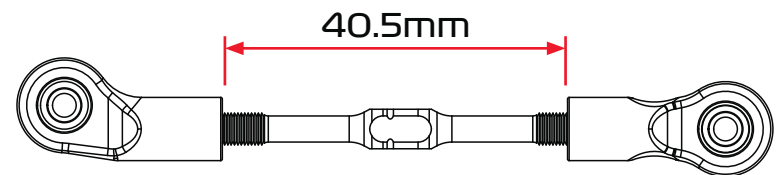
SCREW  
M4x8

x2

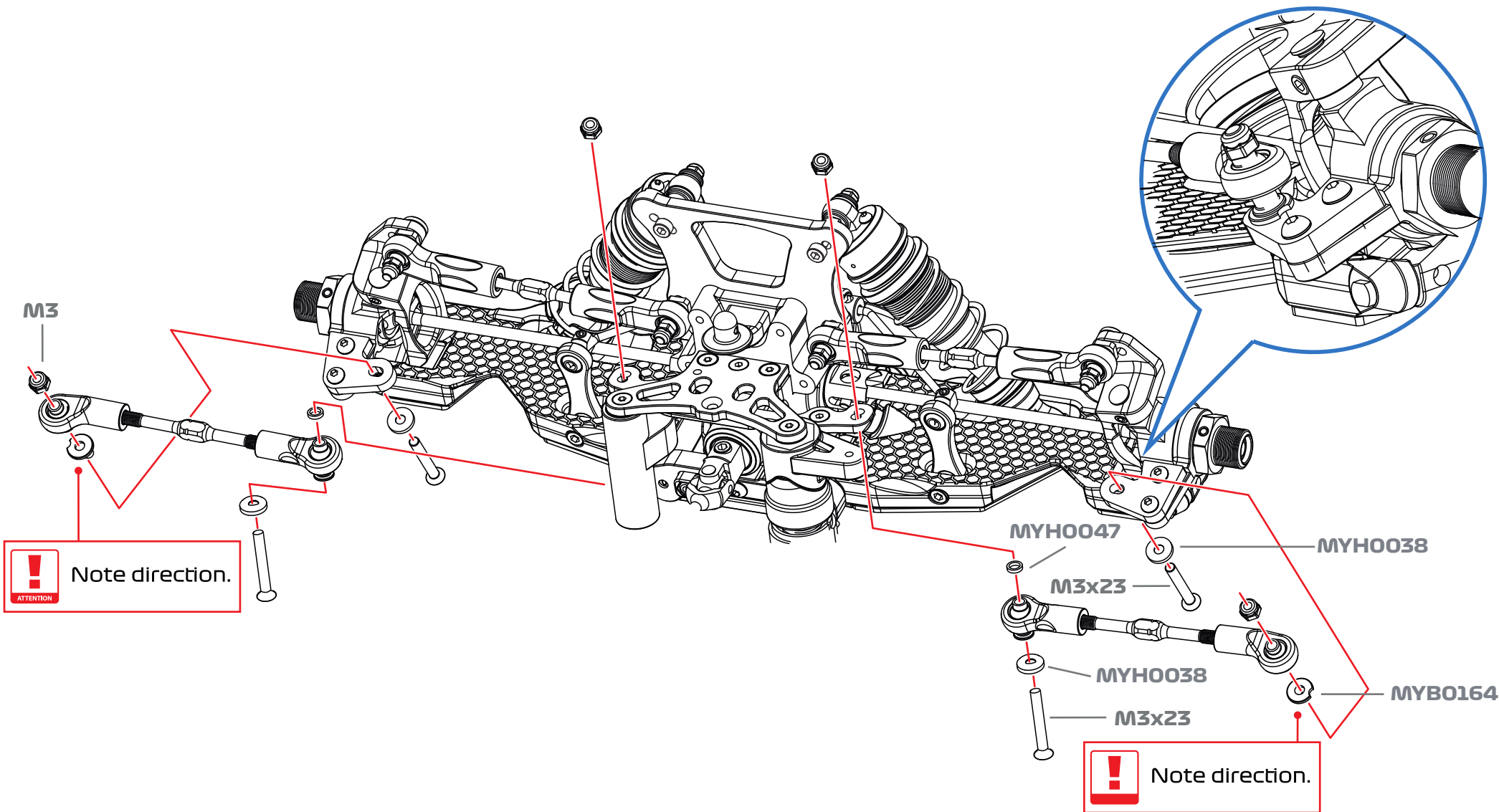




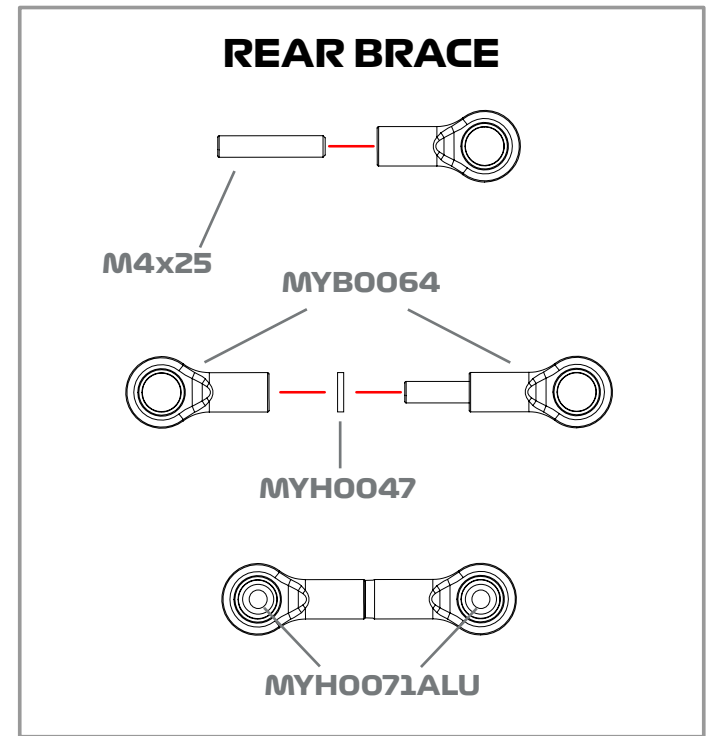
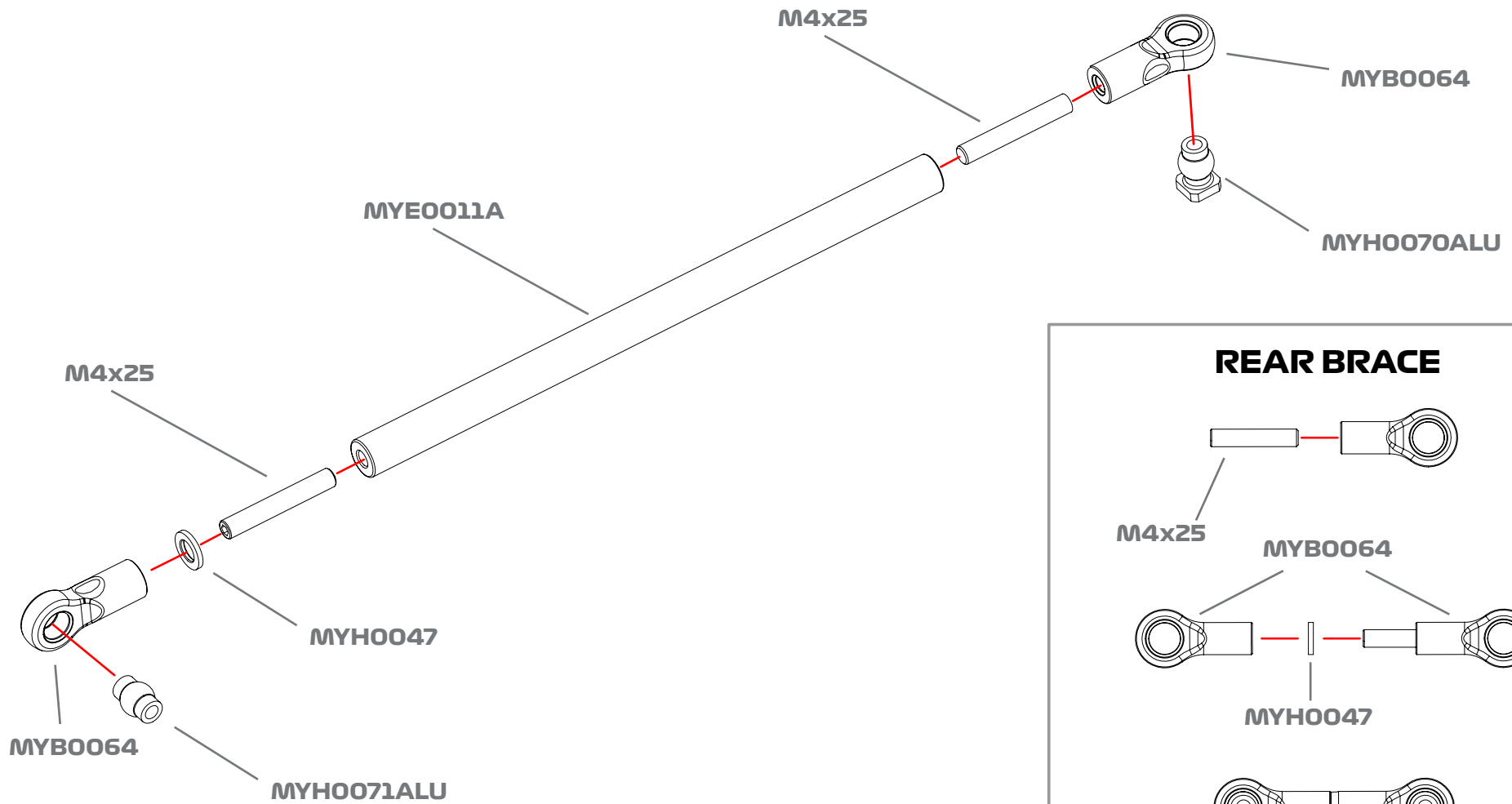
**ATTENTION** **NOTE THE ORIENTATION**  
 The marking on the turnbuckle is on the end with normal thread. Place them all on the same side so you adjust all turnbuckles in the same direction.

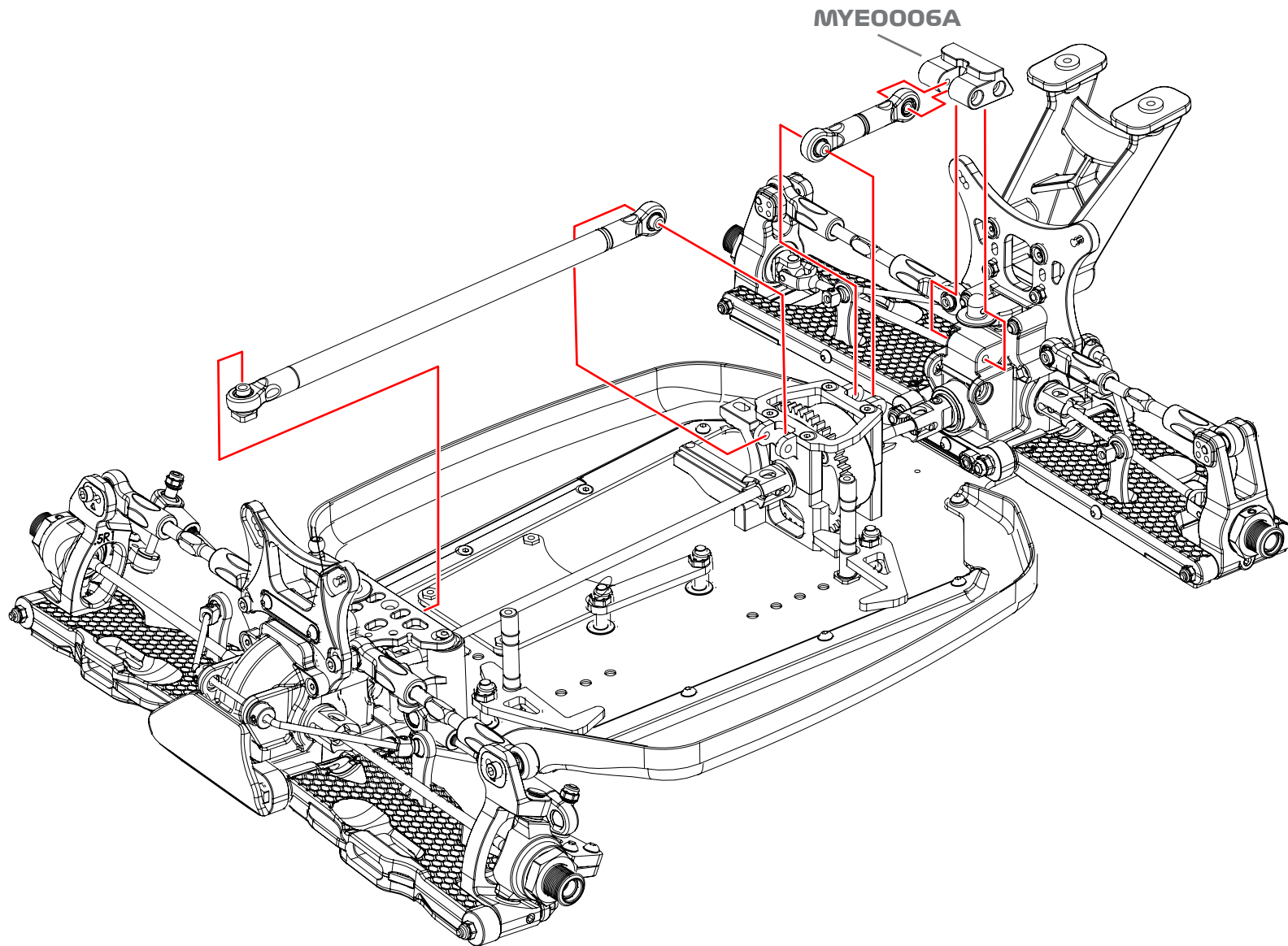


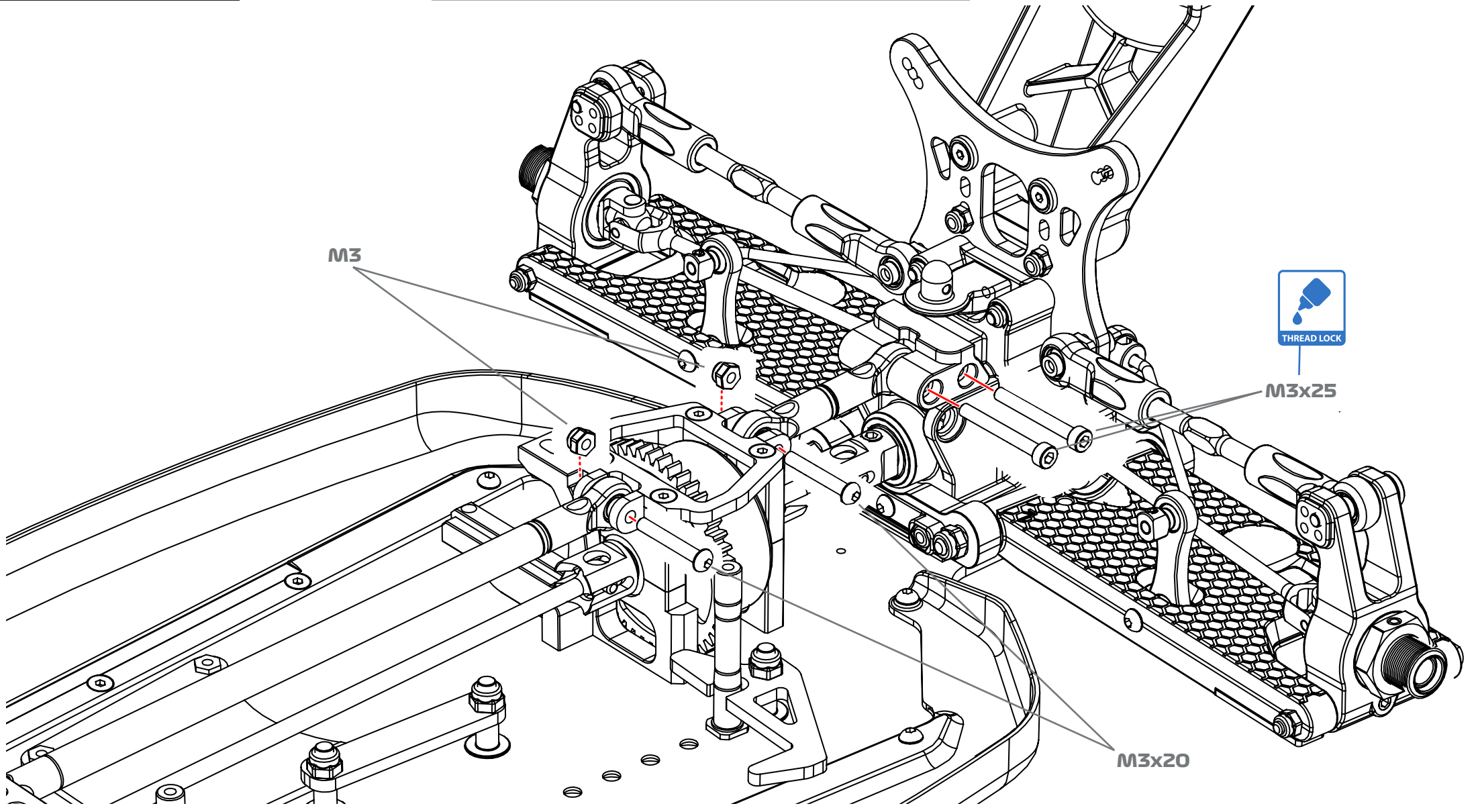
**OPTION**  
 MYB0069TI TI Turnbuckle

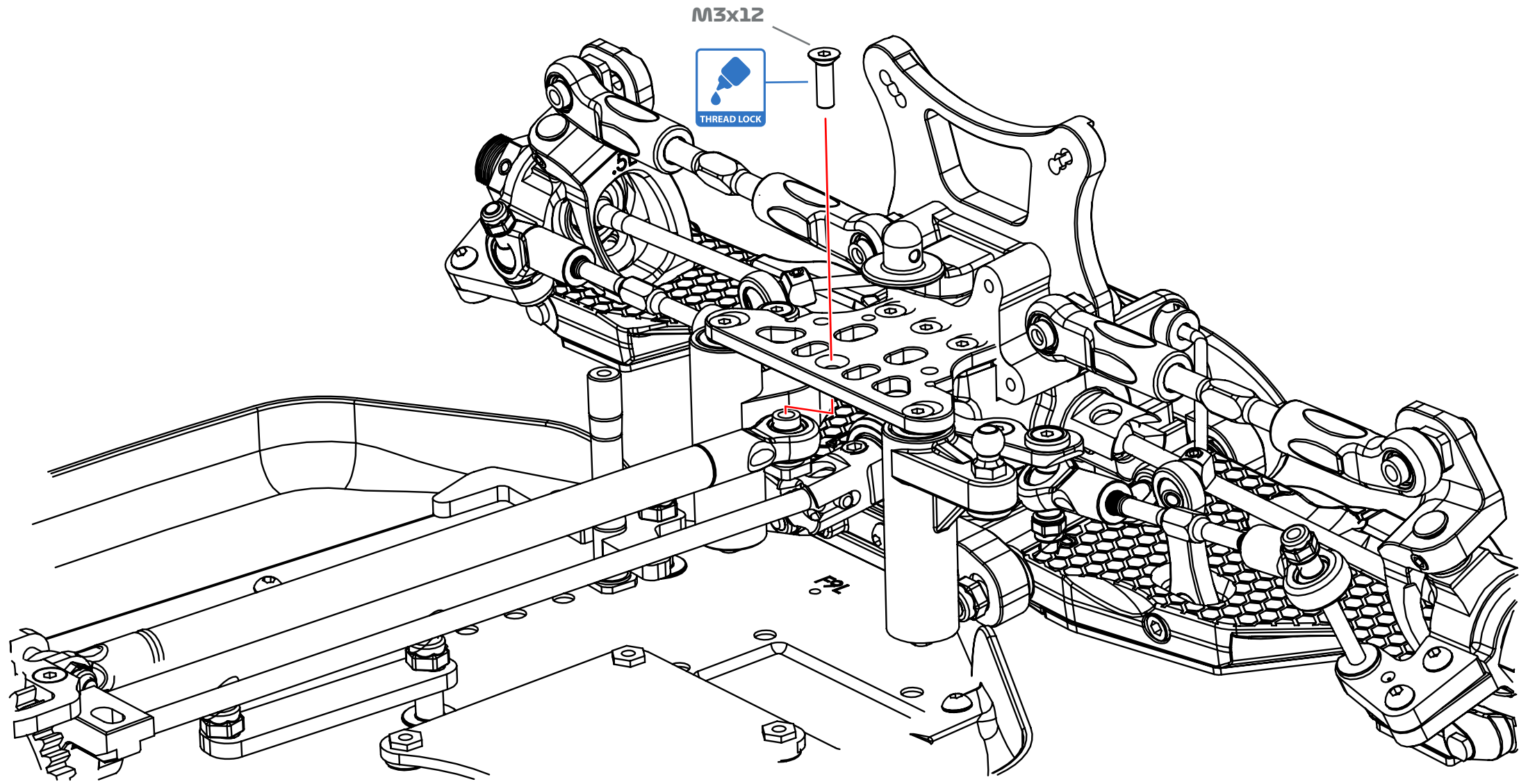


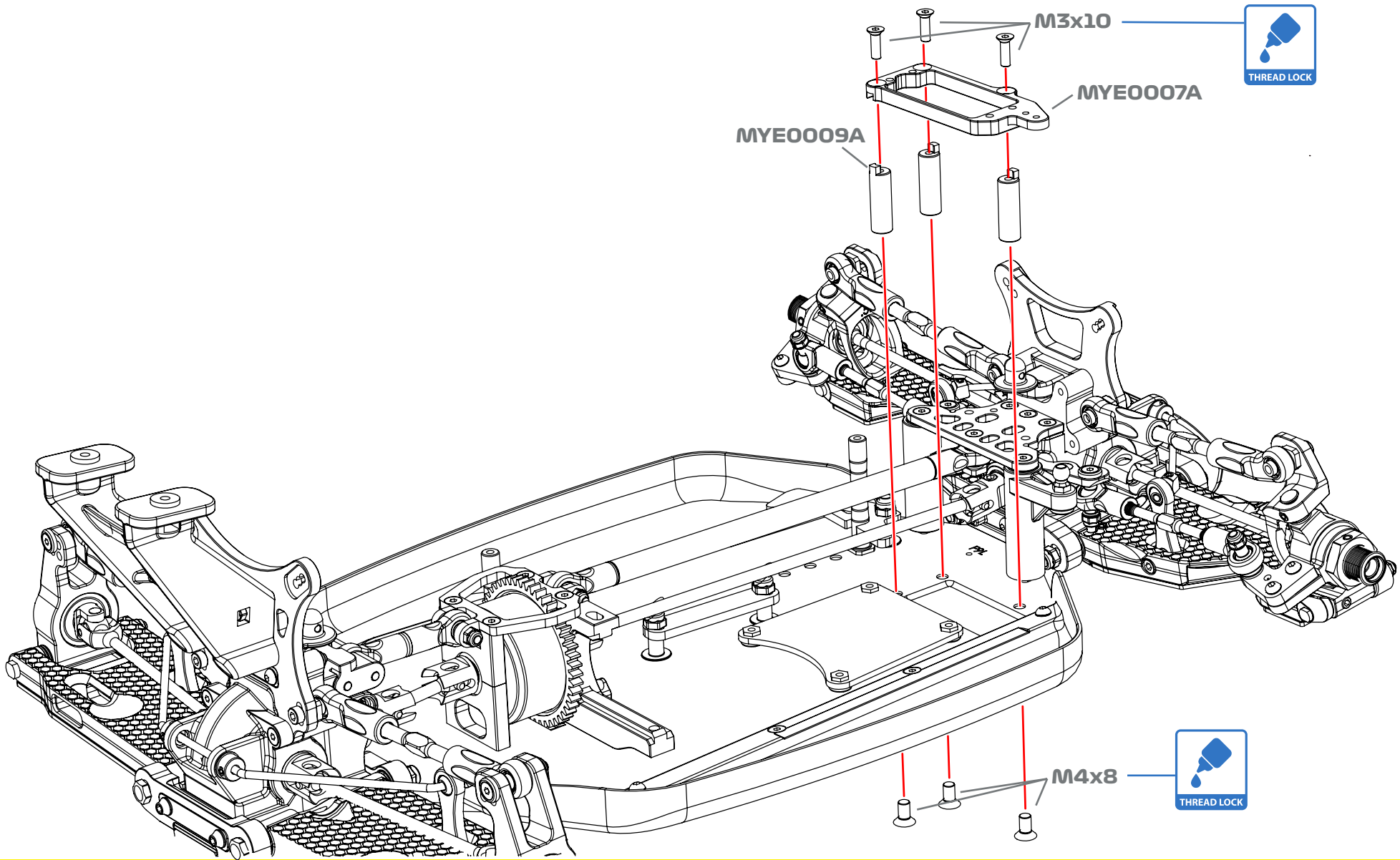
- MYH0016
- MYH0007
- SCREW M3x23 x4
- NYLOCK NUT M3 x4










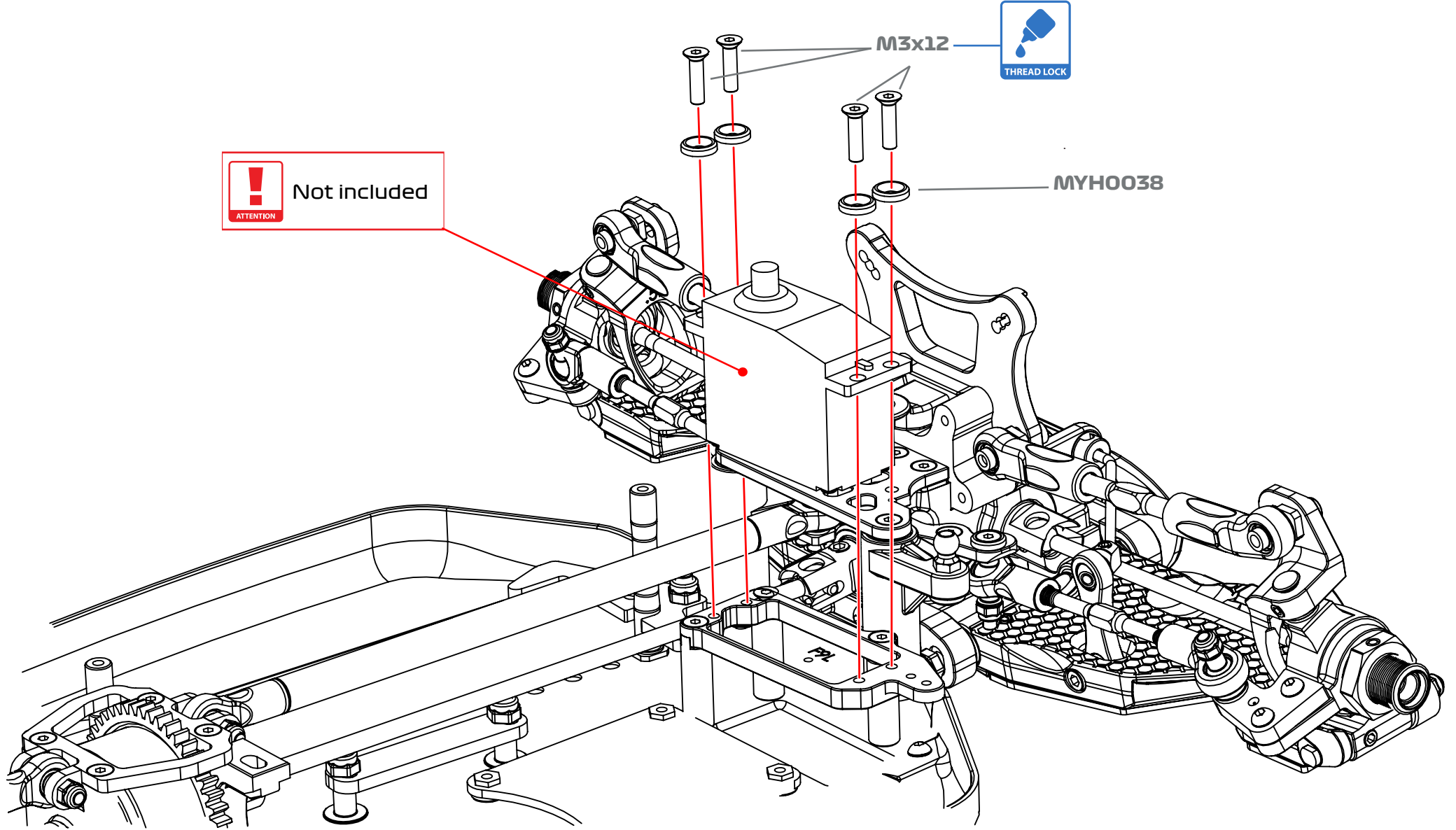


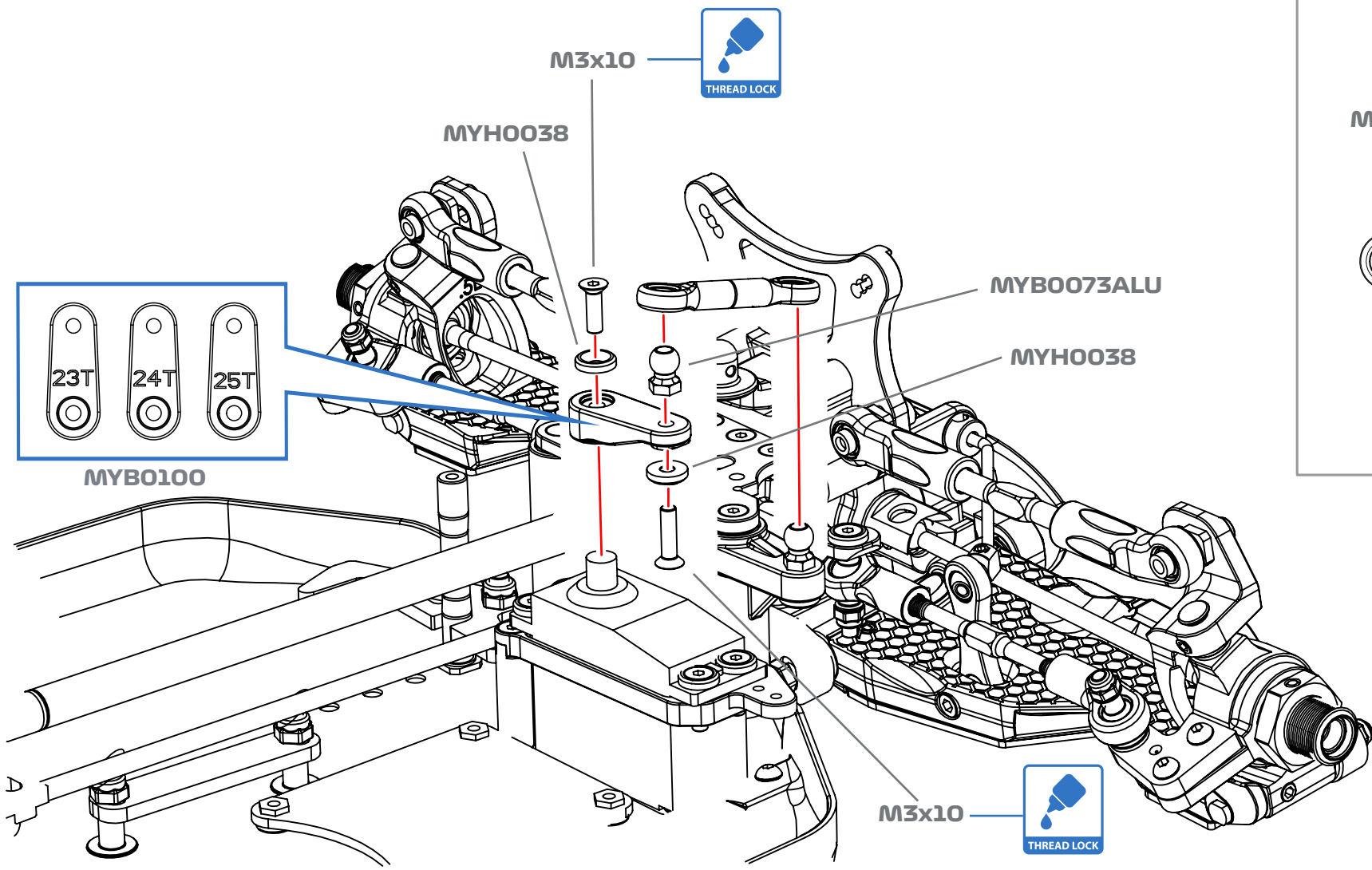


M3x12

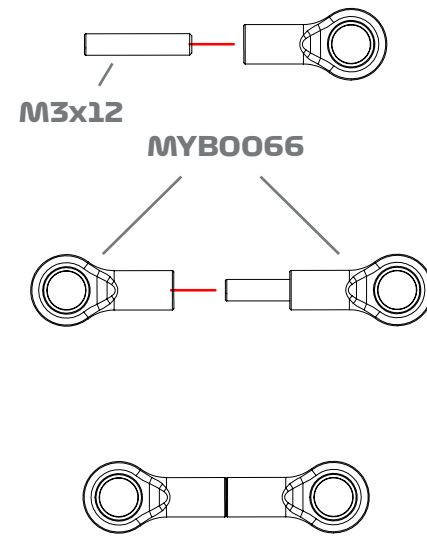
MYH0038

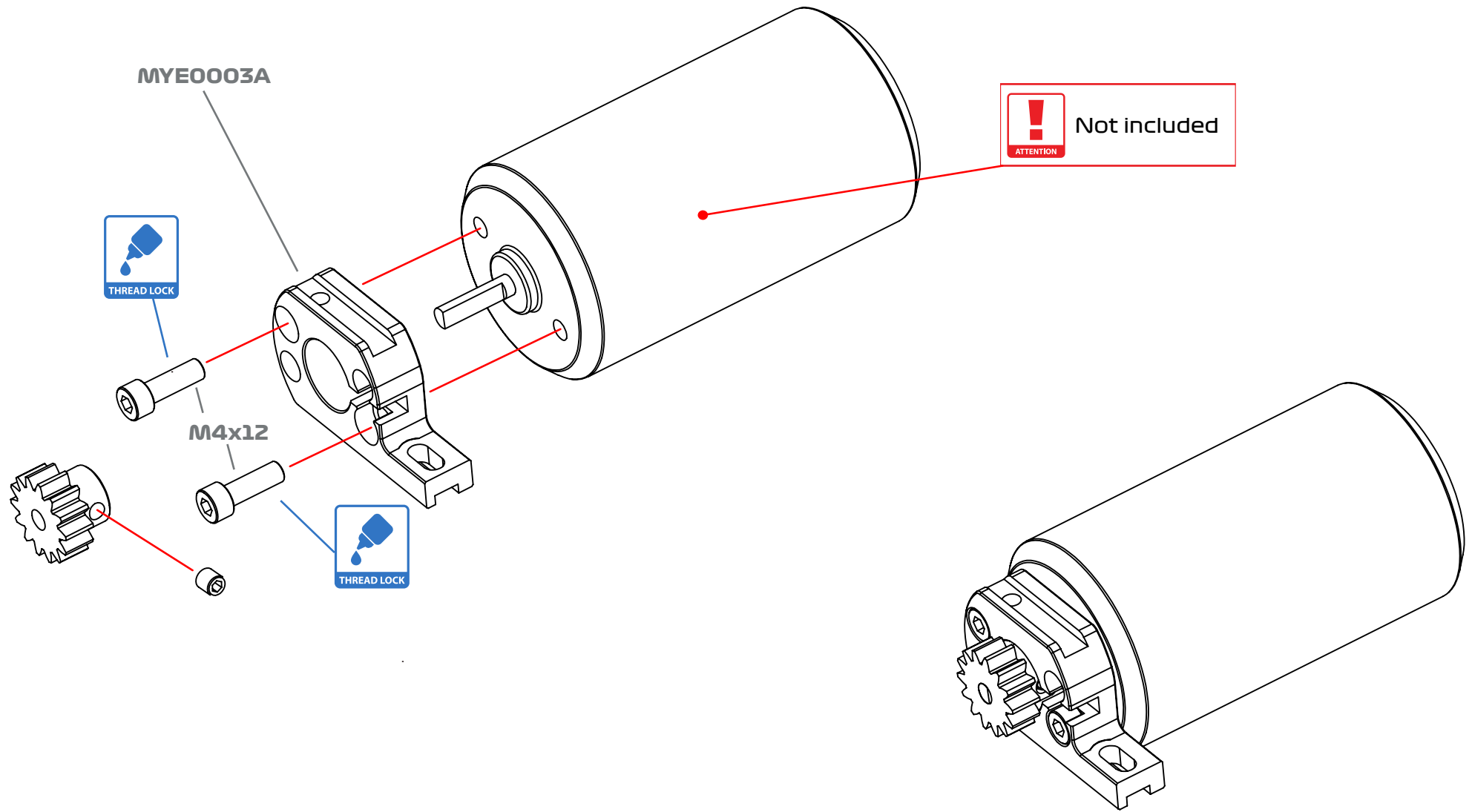
 Not included  
ATTENTION

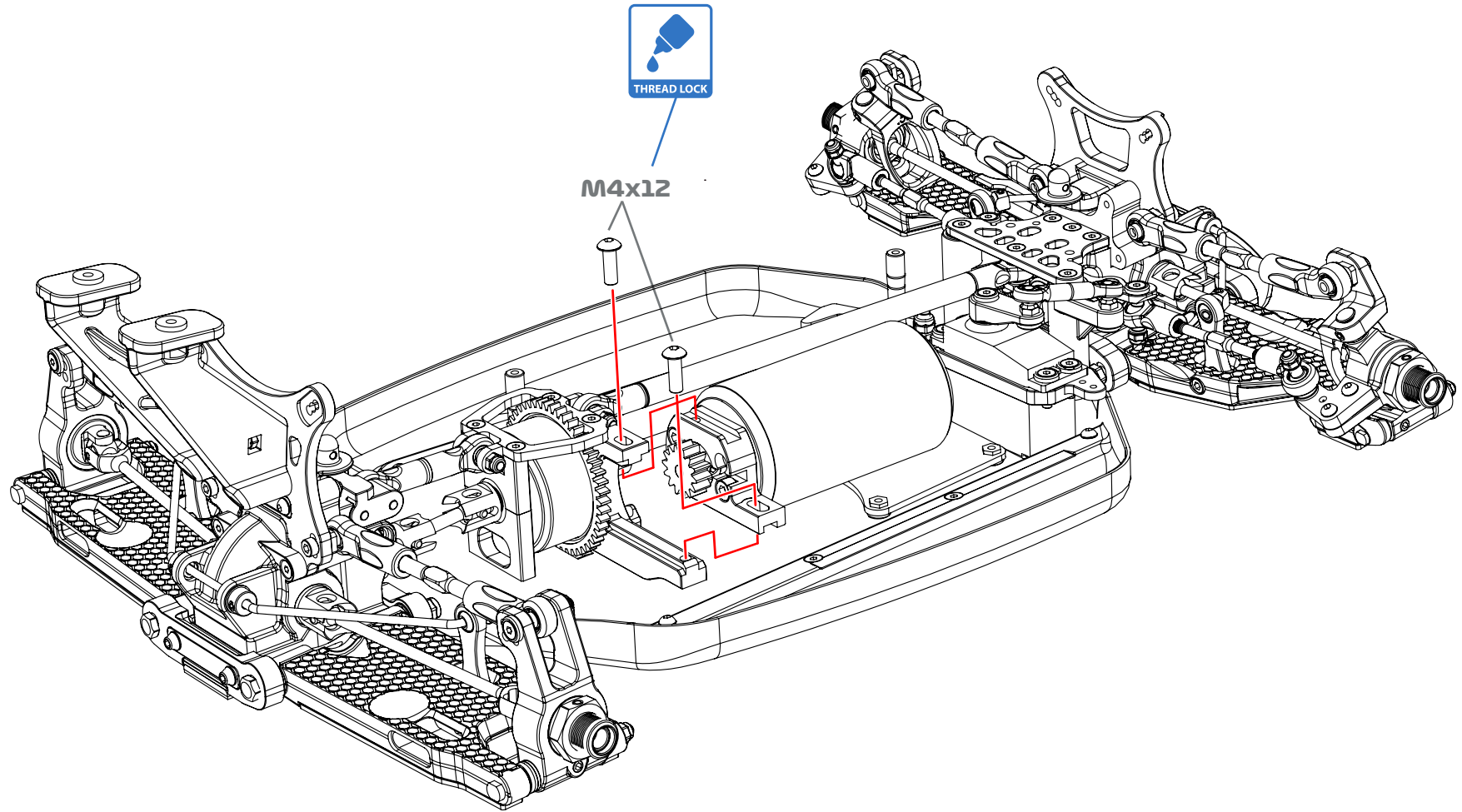


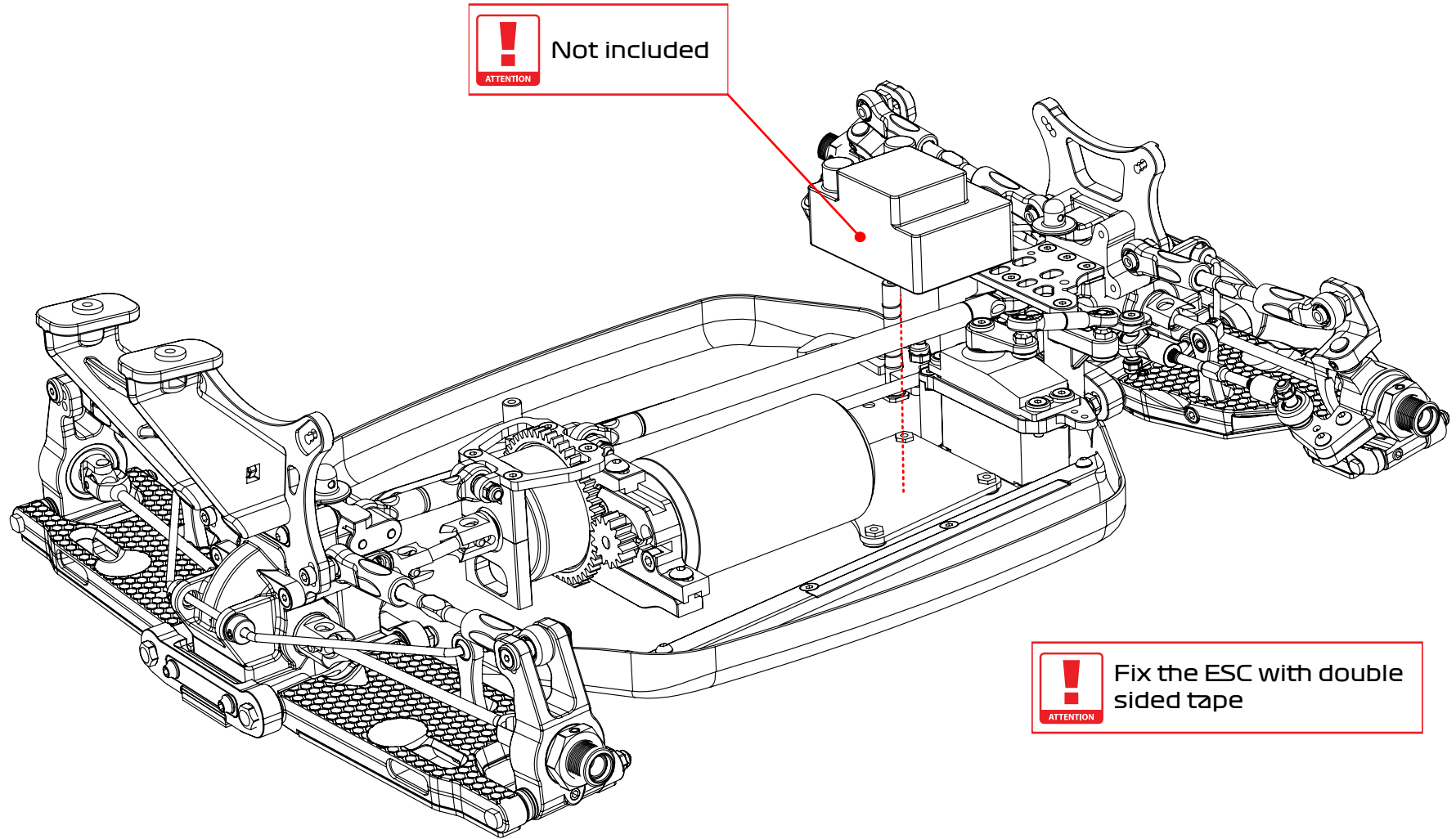


STEERING LINK



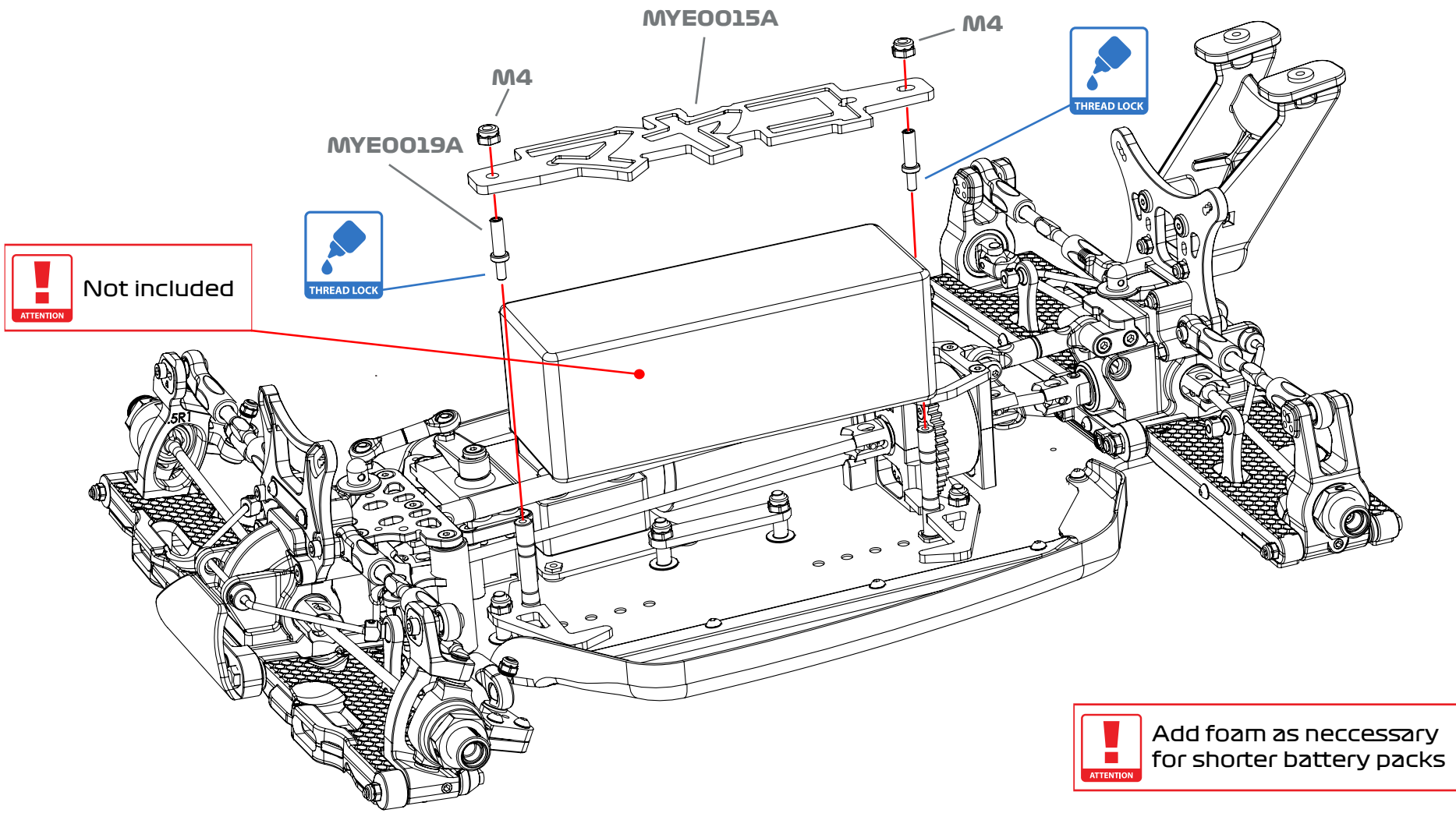






**!** Not included  
ATTENTION

**!** Fix the ESC with double sided tape  
ATTENTION



**!** Not included  
ATTENTION

THREAD LOCK

THREAD LOCK

**!** Add foam as necessary for shorter battery packs  
ATTENTION



マヤコ

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Mayako