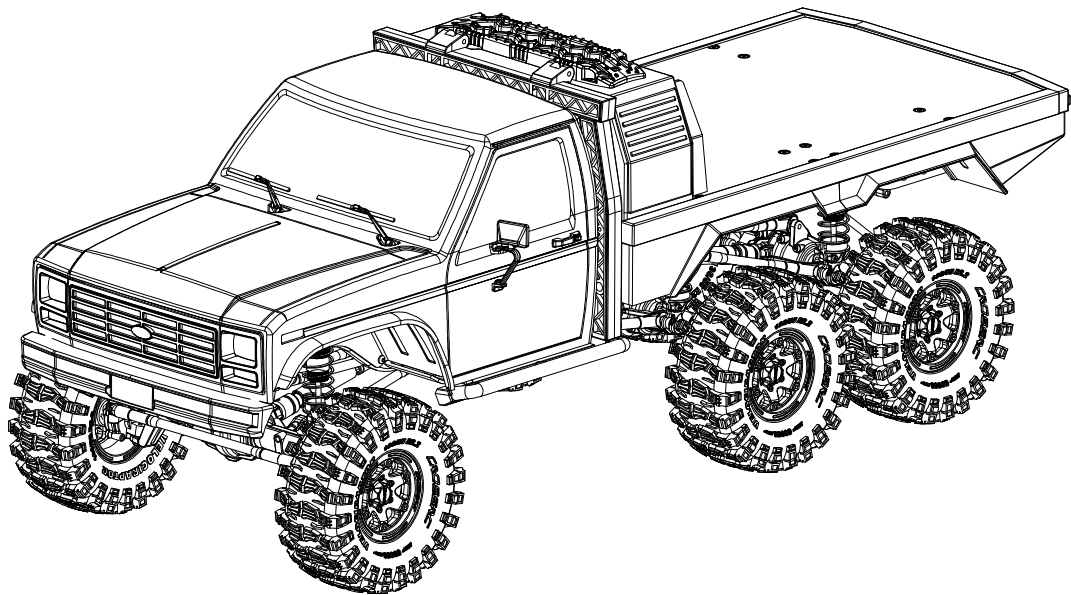


EMO XL



CAUTION



To prevent serious personal injury and/or property damage, operate all remotely controlled models in a responsible manner as outlined herein.

◆ Safety Precautions

- 1.1 This radio-controlled model is not a toy, it is designed for persons 14 years of age or older.
- 1.2 Do not operate your vehicle on unsafe terrain; always pay attention to your surroundings.
- 1.3 Never operate your vehicle on public roadways, around moving people, animals, or operating machinery.
- 1.4 Keep clear of power lines and high-powered radio equipment to minimize radio frequency interference.
- 1.5 Since this vehicle contains small components, it may be a choking hazard for small children. Keep the vehicle and any spare parts out of reach of small children.

◆ Inspect your radio-controlled model before operation

- 2.1 Ensure that all screws are properly tightened. Use thread-lock to secure any metal to metal contacts- especially for components designed to withstand torque (servo mounts, motor mount, drive shaft grub screws etc.).
- 2.2 Always check the battery voltage for both the transmitter and vehicle prior to operating your vehicle. Keep the batteries fresh in the transmitter and always begin your vehicle runs with a fully charged battery pack.
- 2.3 Always check that the motor and servo are operating smoothly and in the right direction prior to operation. If binding between components is observed, replace parts as necessary to reduce possibility of component or servo damage.
- 2.4 To turn on your vehicle, always power on your transmitter first, then power on your receiver.

◆ After operating your radio-controlled model

- 3.1 To turn off the vehicle, always power off your receiver prior to powering off your transmitter.
- 3.2 Use caution when handling the vehicle- components, especially the ESC and motor which will be hot after operation.
- 3.3 Never use battery packs which are dented or otherwise damaged. Ensure that the wire insulation is intact and that connectors are properly soldered. Lithium batteries can become fire hazards if mishandled.

EMOXL

1

- 15012

 $\phi 5 \times \phi 10 \times 4$ X5
- 72007

 $\phi 5 \times \phi 8 \times 0.3$ X3
- 11315

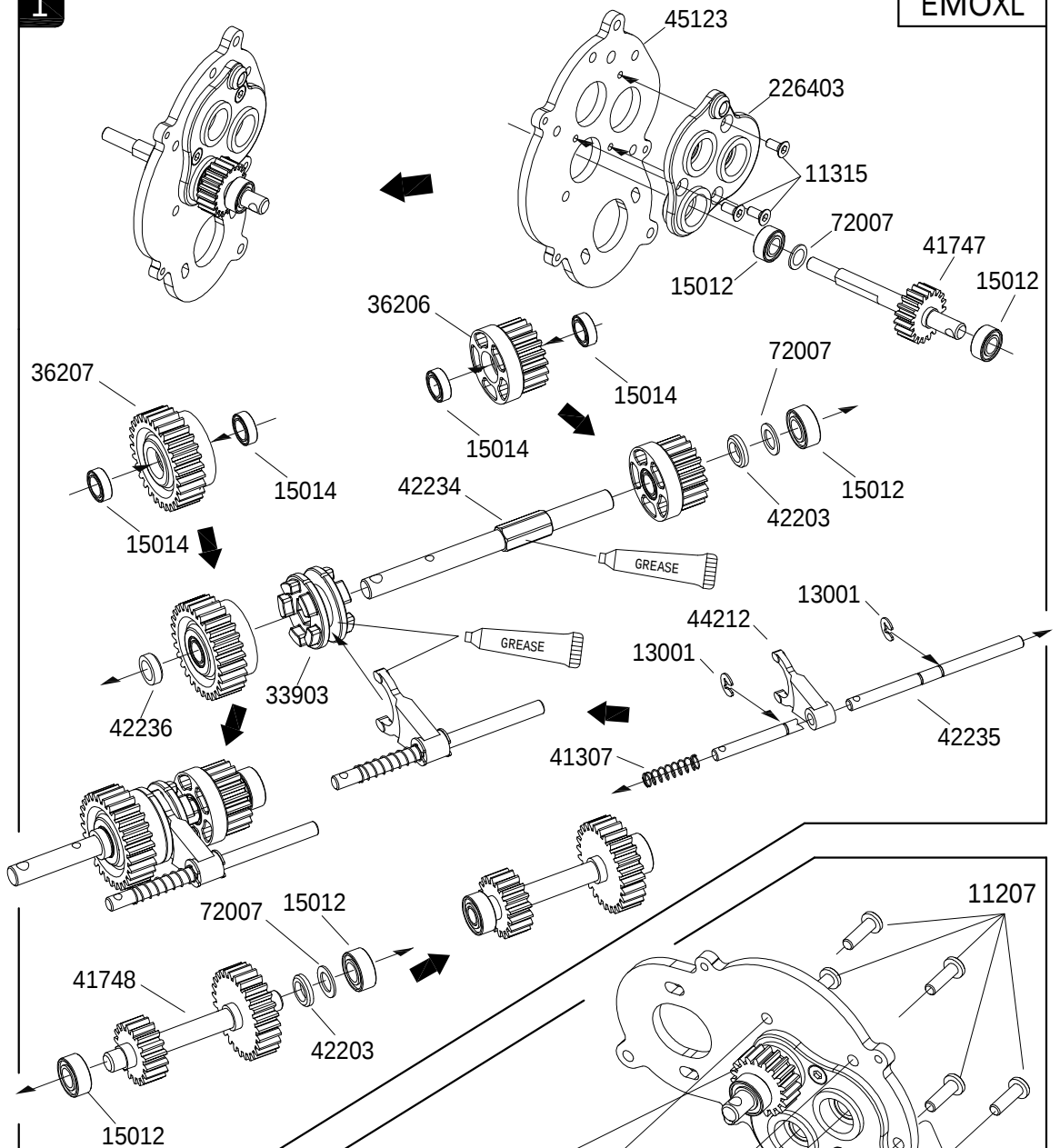
M2.5x6 X3
- 15014

 $\phi 5 \times \phi 8 \times 2.5$ X4
- 42236

 $\phi 5.1 \times \phi 7.5 \times 2.5$ X1
- 42203

 $\phi 5.1 \times \phi 8 \times 1.5$ X2
- 13001

 $\phi 3 \times \phi 7.8 \times 0.5$ X2

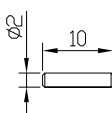


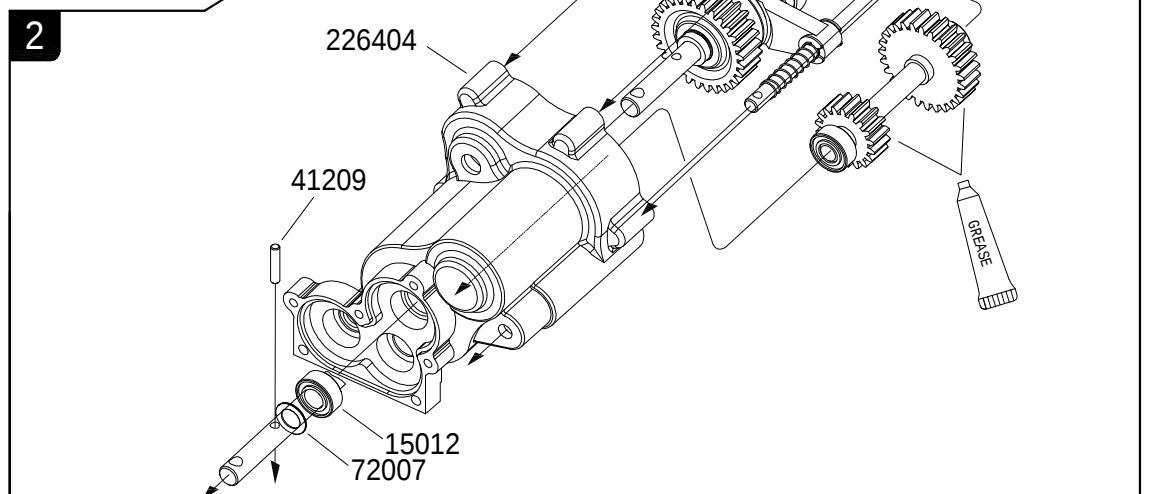
2

- 15012

 $\phi 5 \times \phi 10 \times 4$ X1
- 11207

M3x10 X5
- 72007

 $\phi 5 \times \phi 8 \times 0.3$ X1
- 41209 X1




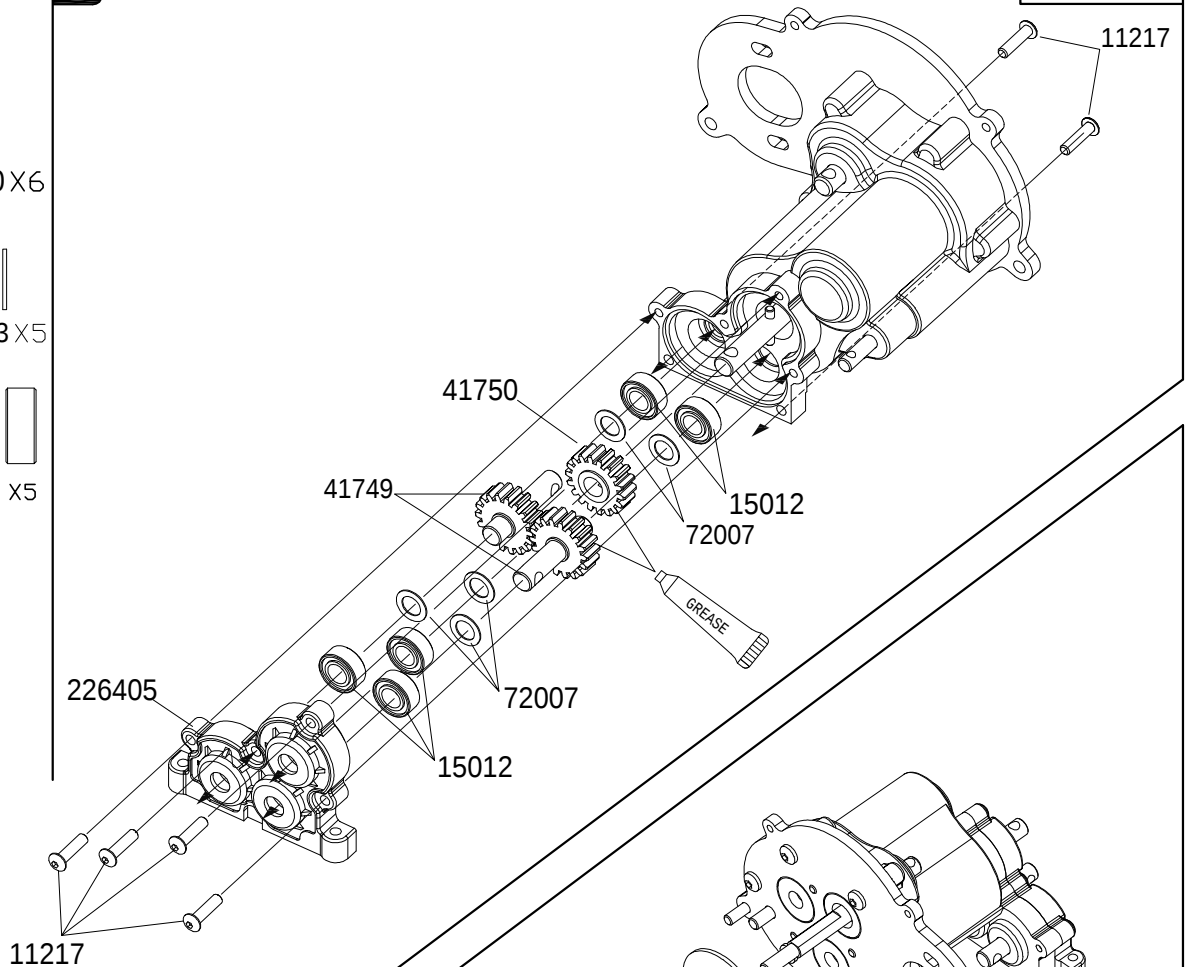
3

EMOXL

11217 
M2.5x10 X6

72007 
ø5xø8x0.3 X5

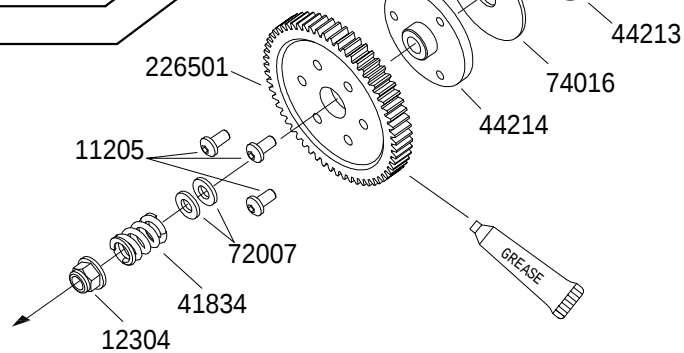
15012 
ø5xø10x4 X5



12304 
M4 X1

72007 
ø5xø8x0.3 X2

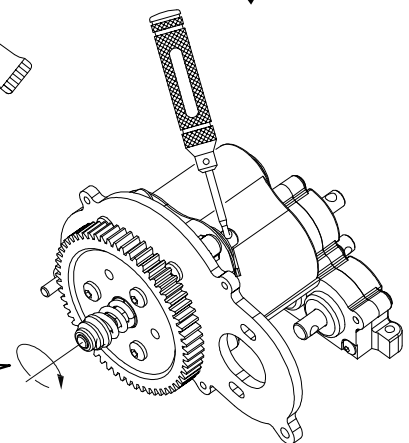
11205 
M3x6 X3



Limited slip adjust

- (1) Tighten to the right.
- (2) "0.5"."0.25"or"0.15" turns to the left.

2S Li-Po:0.5 3S Li-Po:0.25 4S Li-Po:0.15

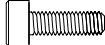


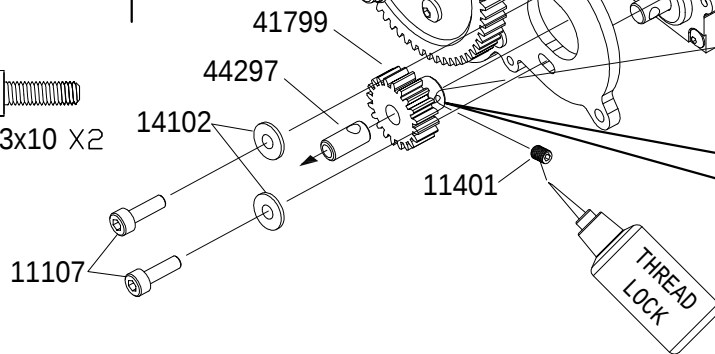
4

EMOXL

11401 
M3x4 X1

14102 
ø3xø7x0.5 X2

11107 
M3x10 X2



Final reduction ratio

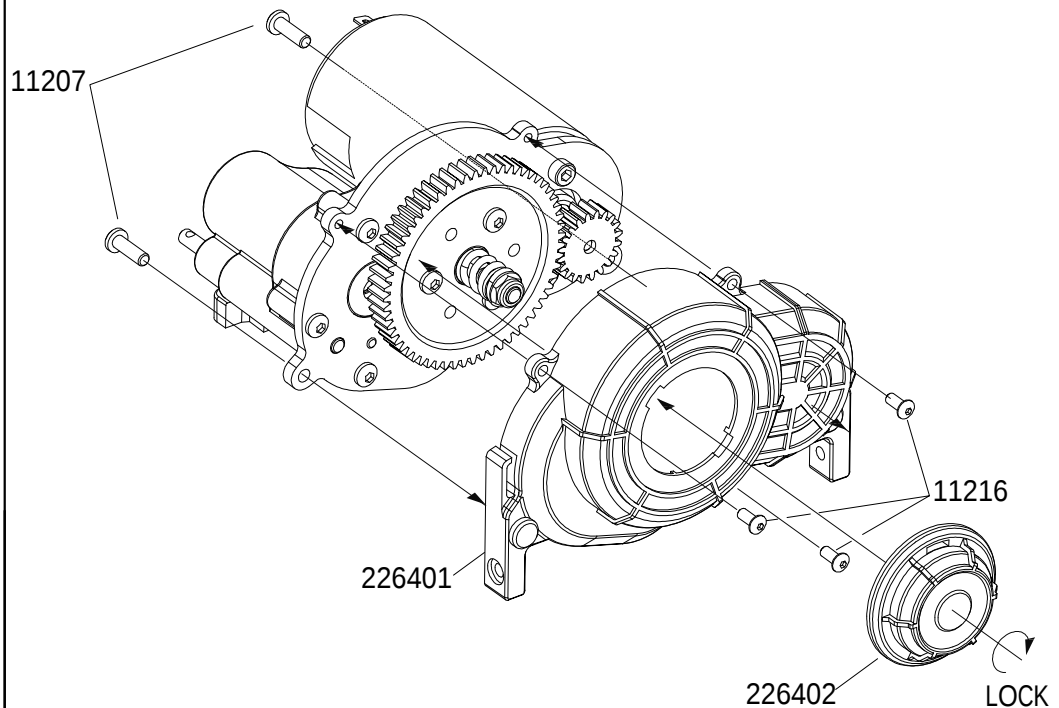
Motor gear	16T	17T	18T	19T	20T
Fast	22.1	20.8	19.6	18.6	17.8
Slow	48.3	45.4	42.9	40.6	38.9

5

EMOXL

11207 
M3x10 X2

11216 
M2.5x6 X3

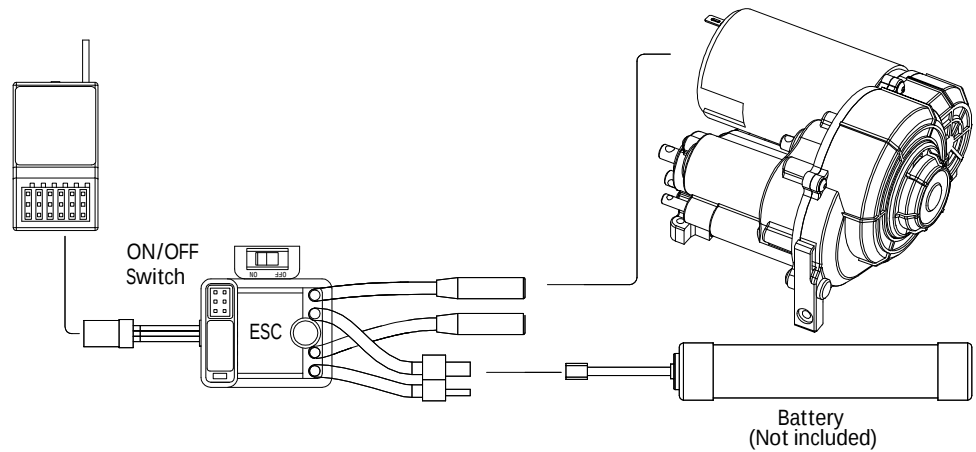


6

EMOXL

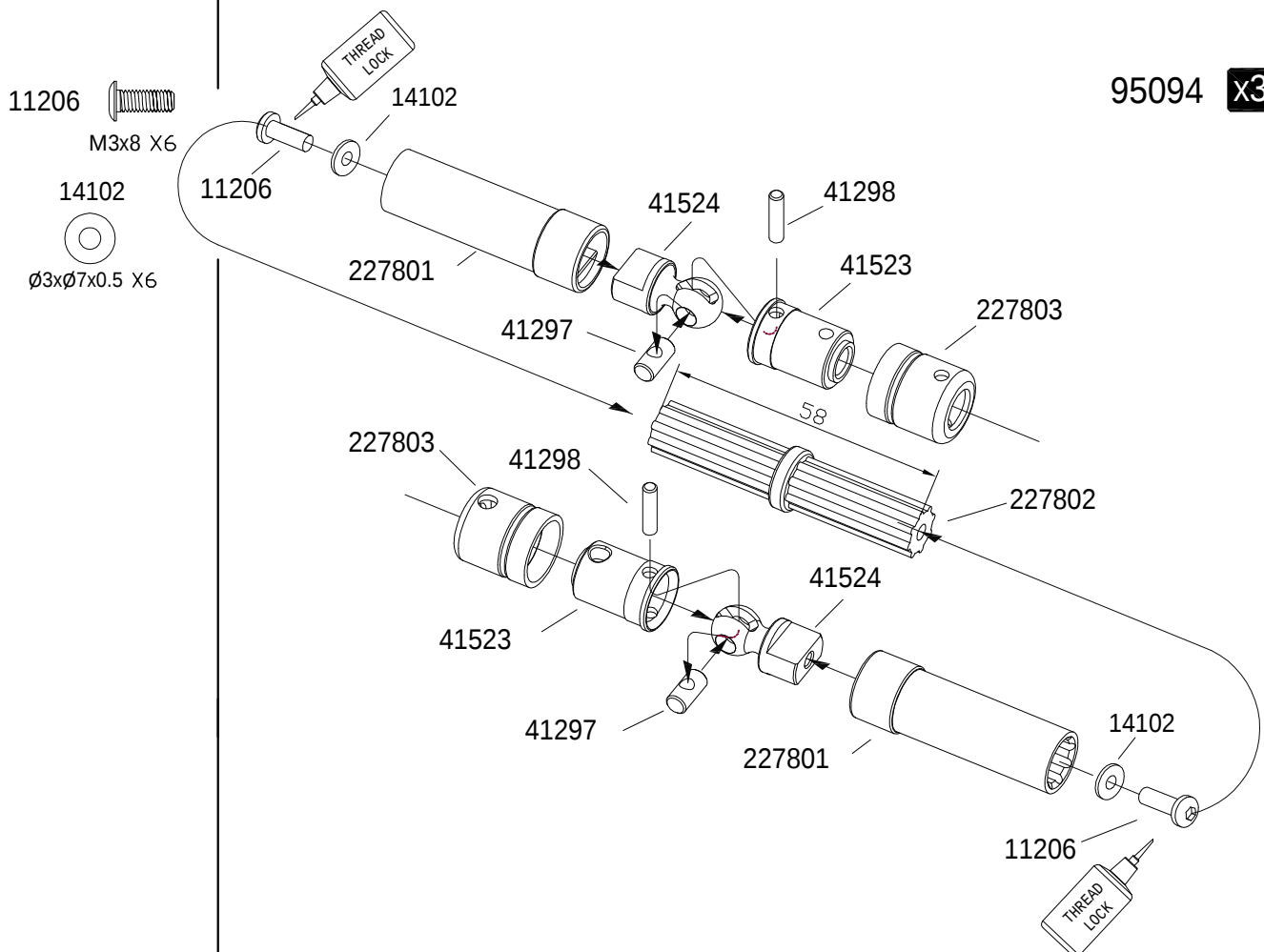
Tips:

Test the gear mesh by connecting the ESC to the motor/gearbox assembly. If the gearbox is not operating smoothly or is creating excess noise, check the gear mesh prior to proceeding to the next step.



7

EMOXL

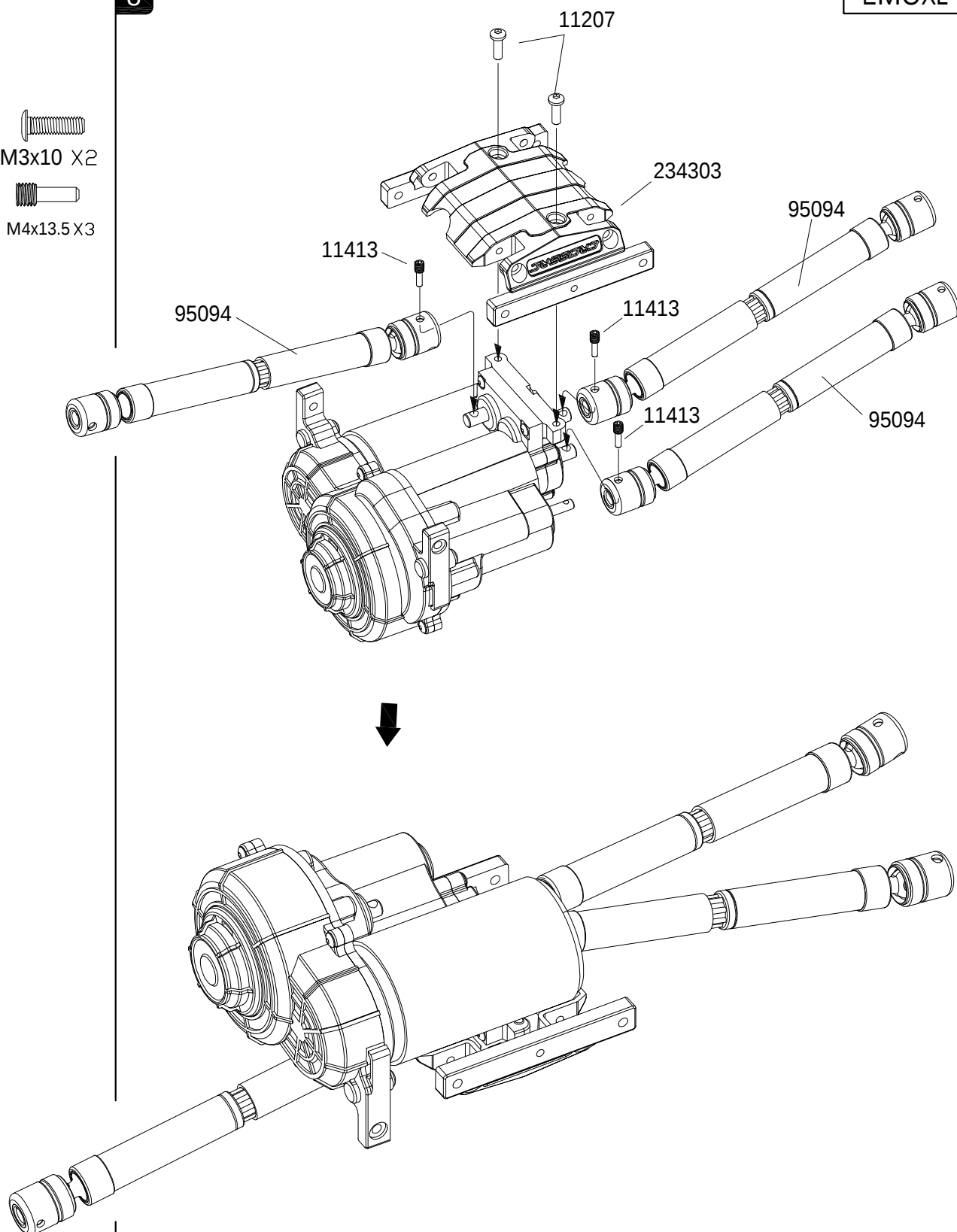
95094 **x3**

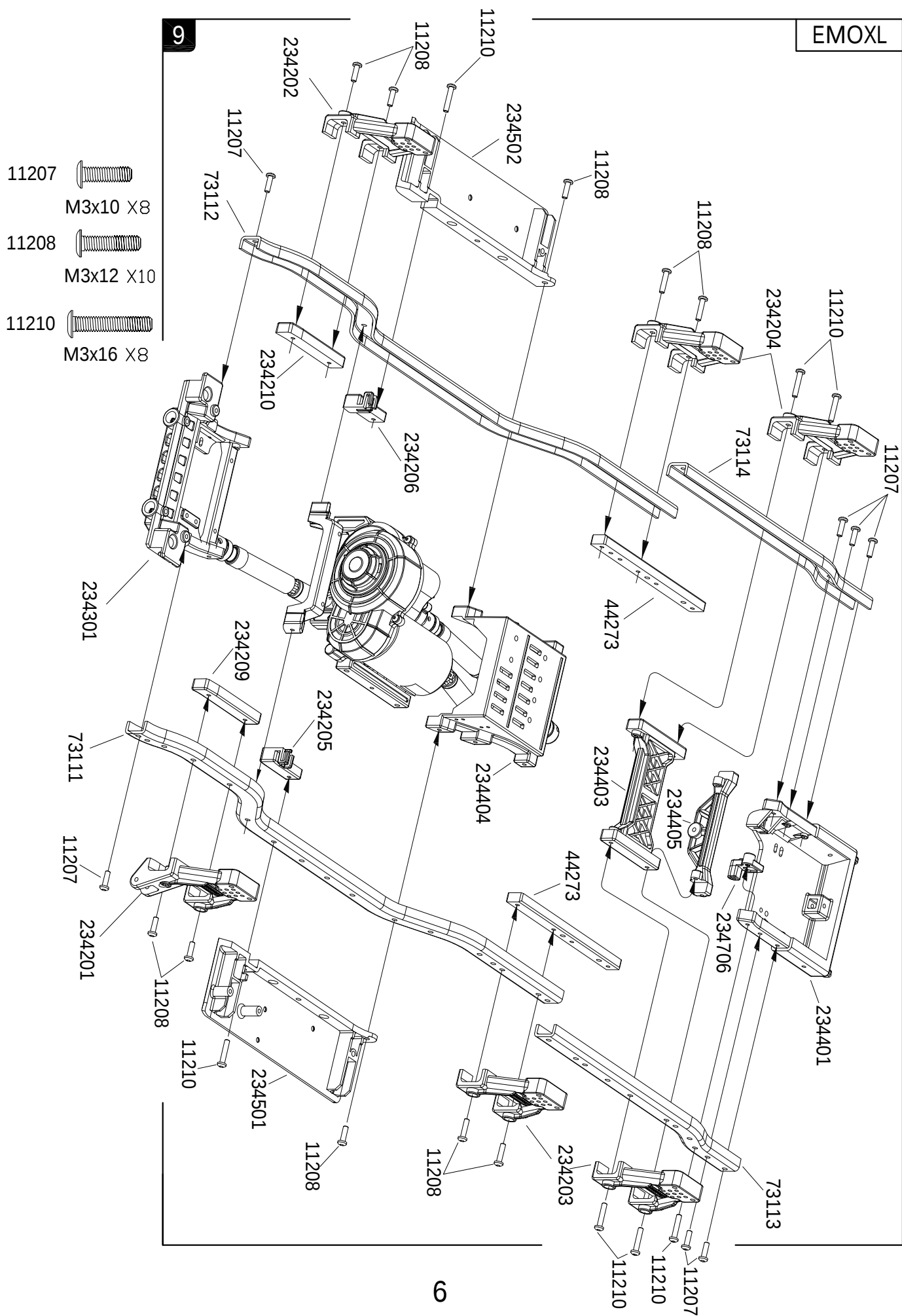
8

EMOXL

11207 
M3x10 X2

11413 
M4x13.5 X3

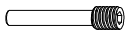


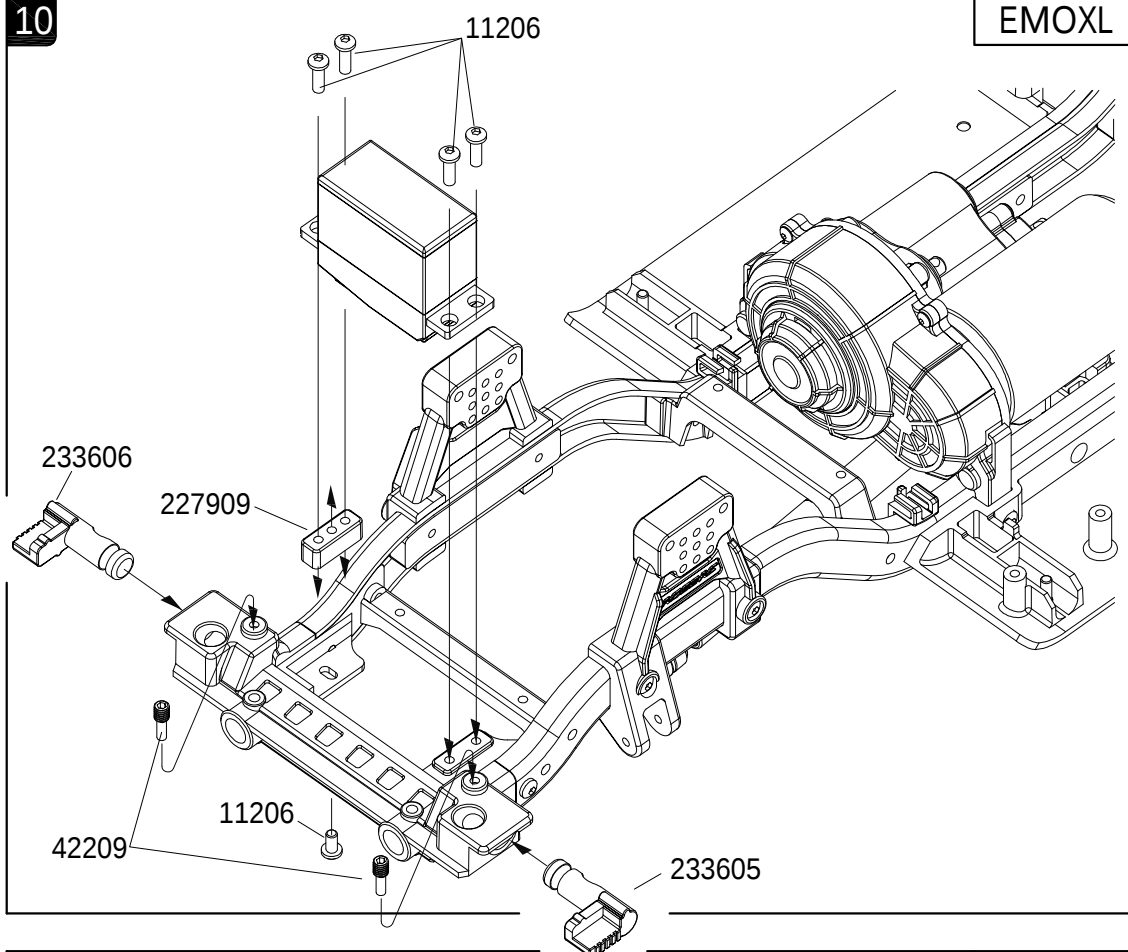


10

EMOXL

11206 
M3x8 X5


42209 X2



11

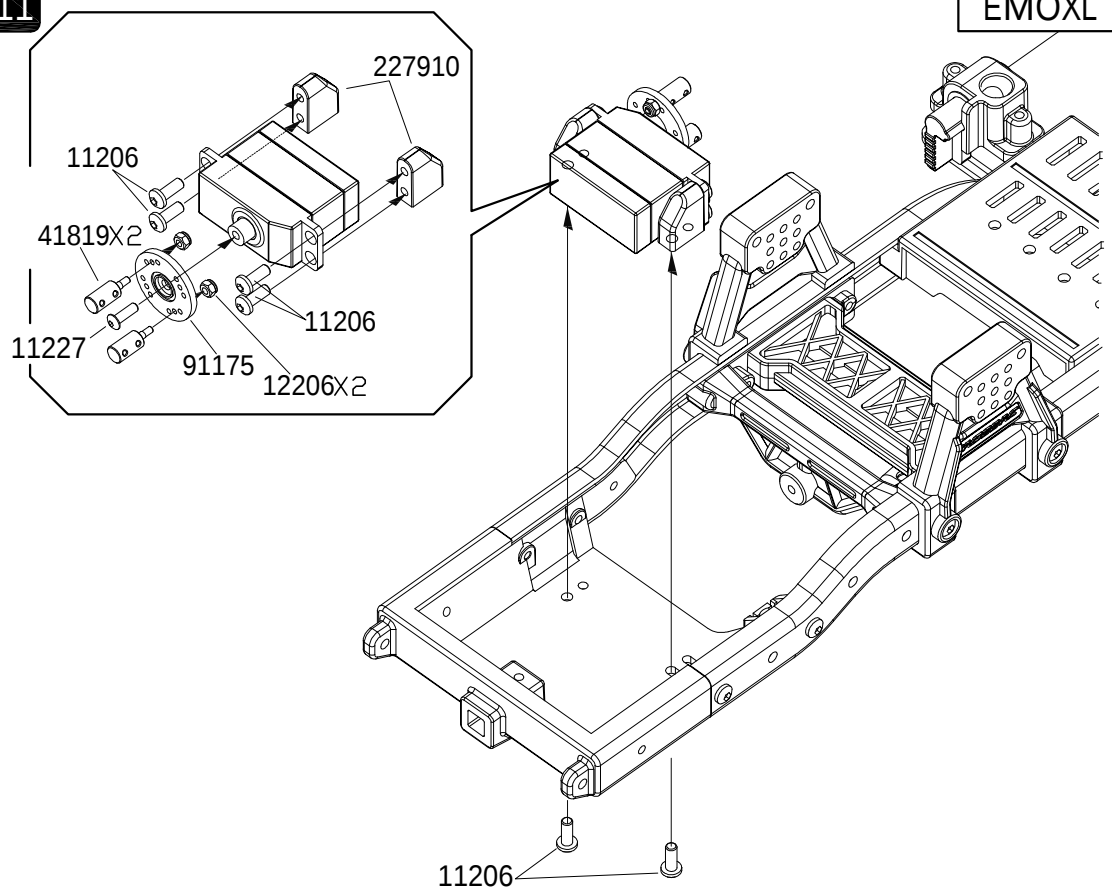
EMOXL

11206 
M3x8 X6

11227 
M2.5x8 X1

12206 
M2 X1


41819 X1



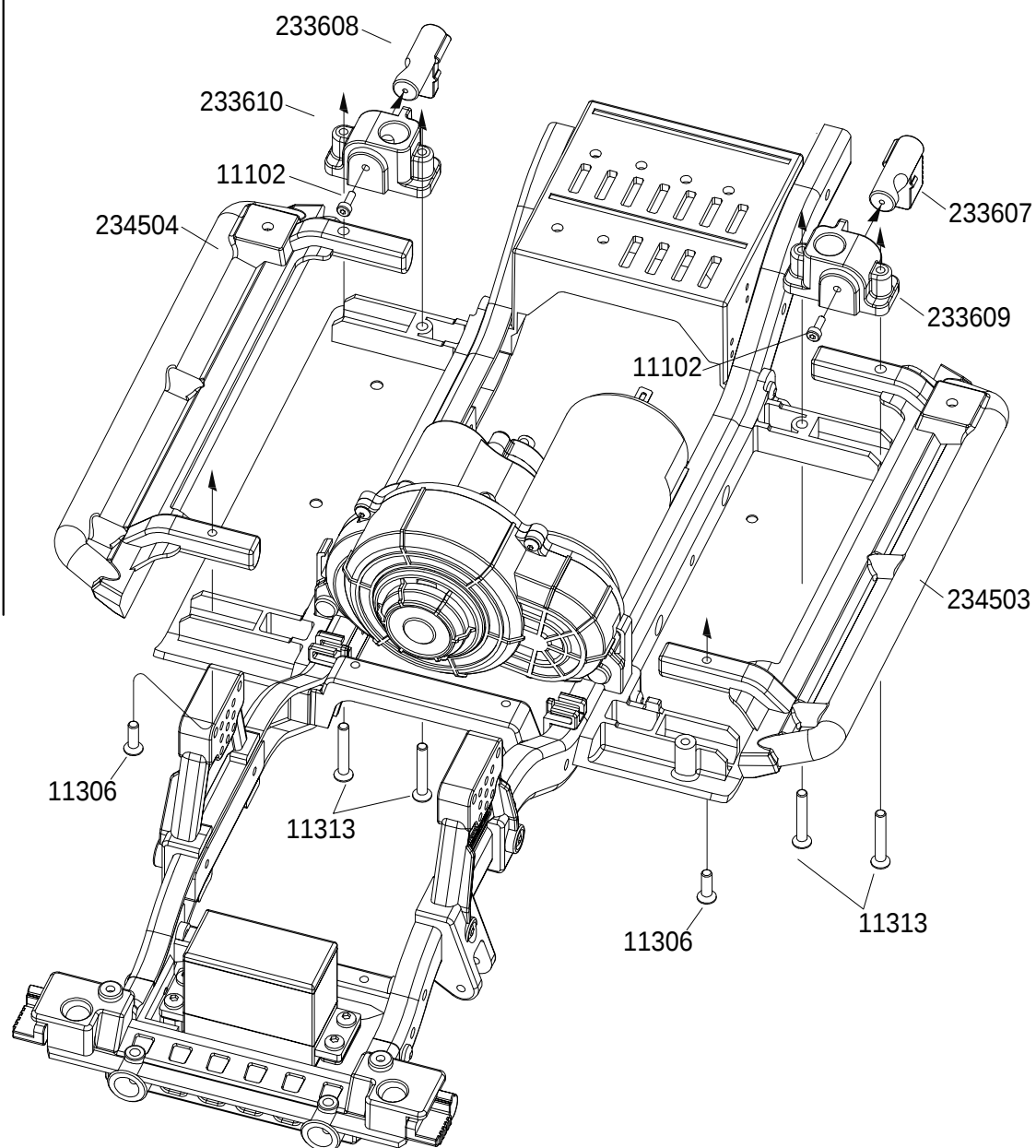
12

EMOXL

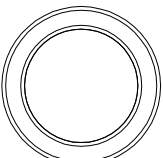
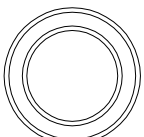
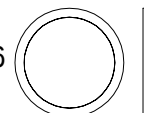
11102 
M2x6 X2

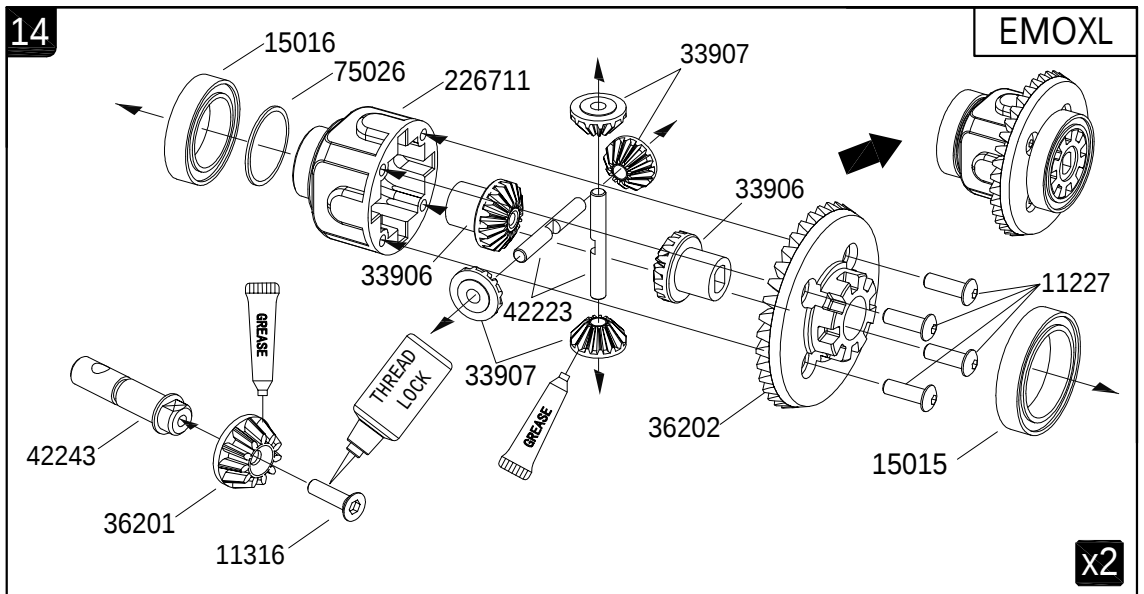
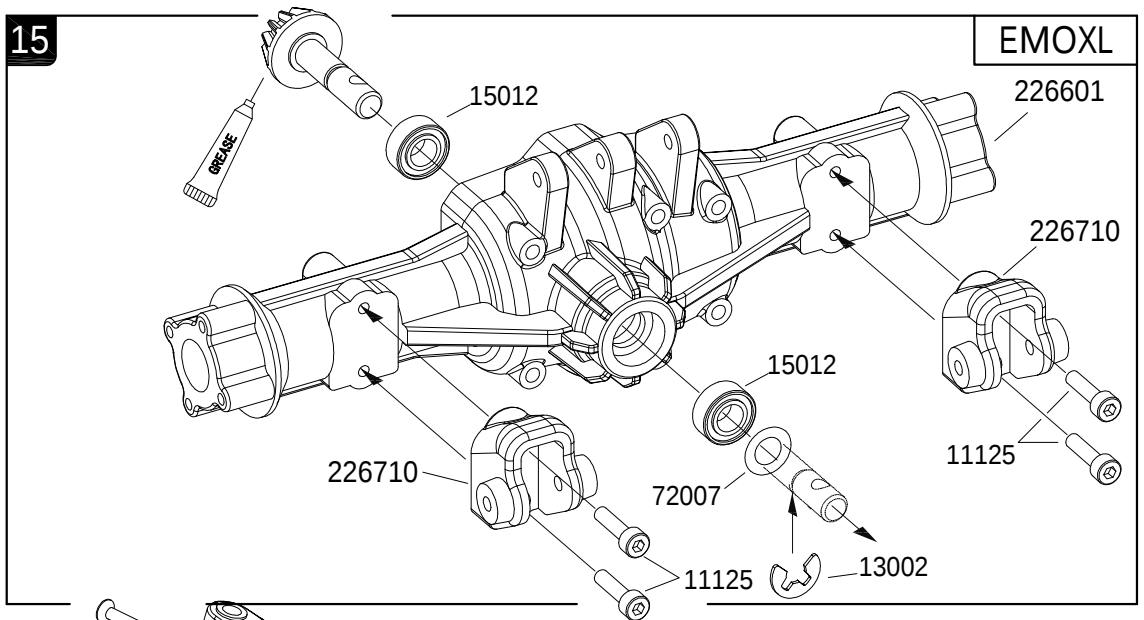
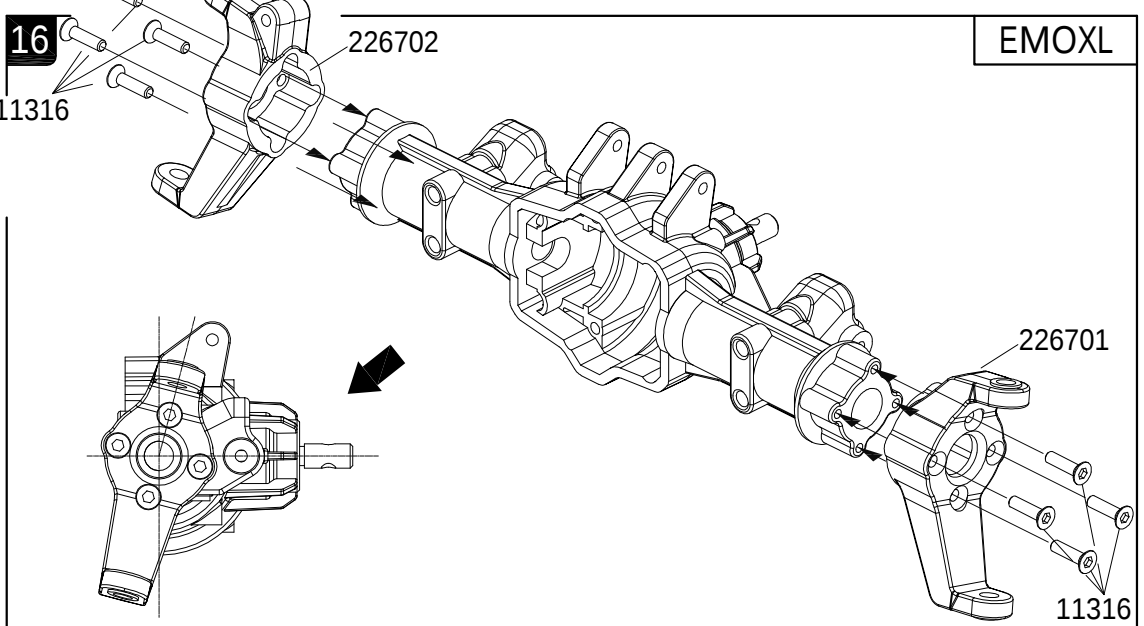
11306 
M3x10 X2

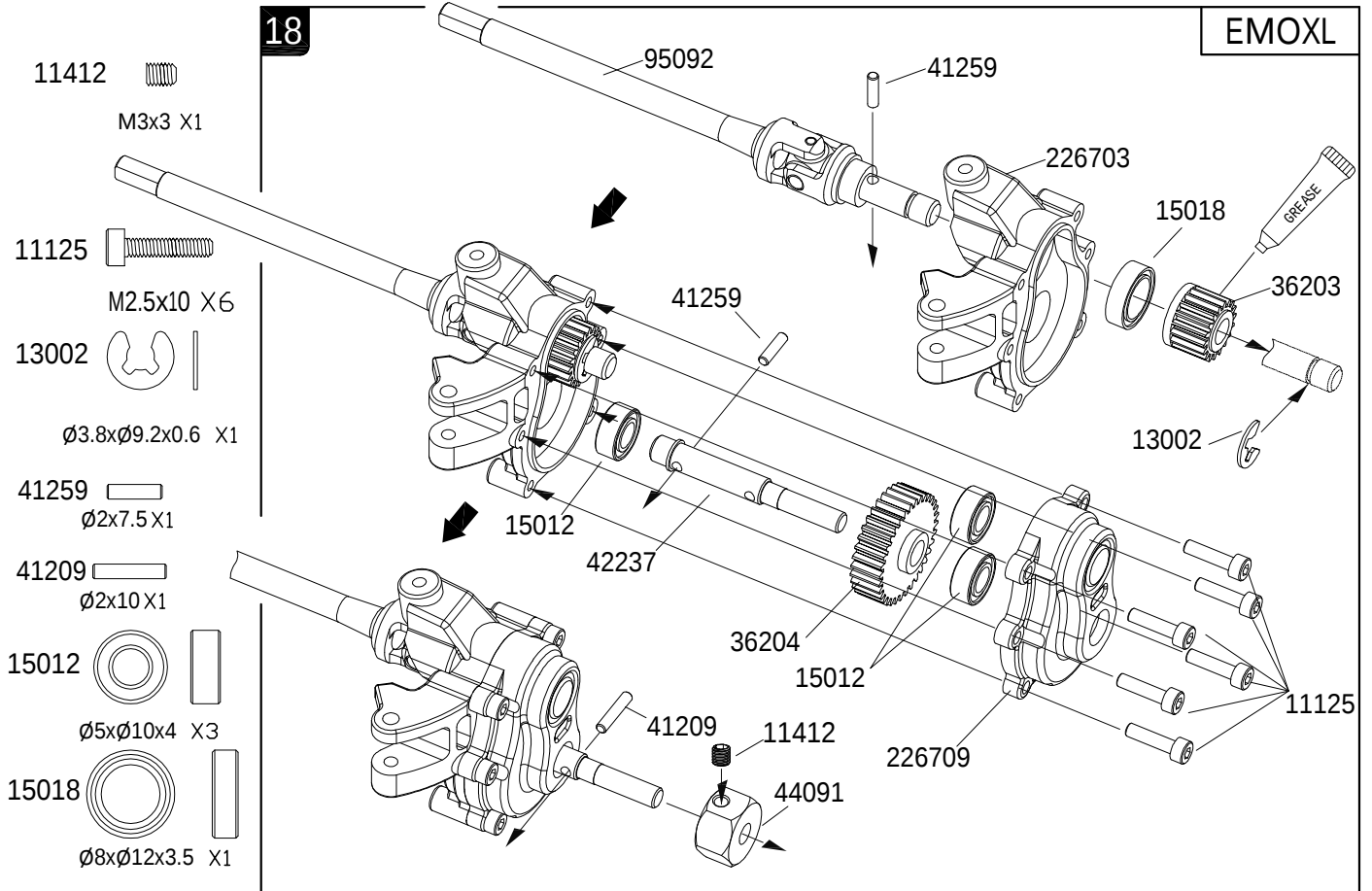
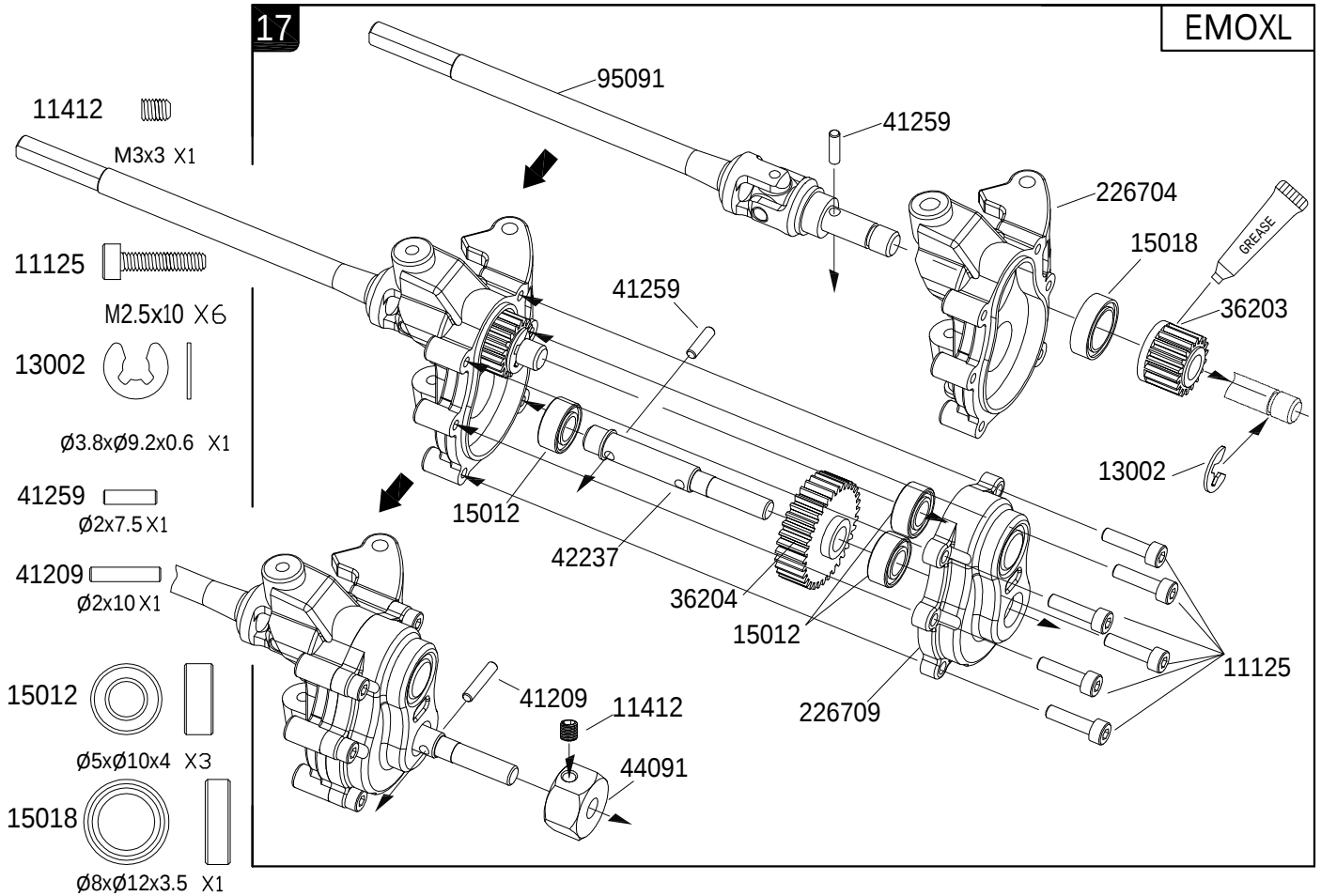
11313 
M3x20 X4



14**EMOXL**

- 11316  M2.5x10 X2
- 11227  M2.5x8 X8
- 15015  $\phi 15 \times \phi 21 \times 4$ X2
- 15016  $\phi 12 \times \phi 18 \times 4$ X2
- 75026  $\phi 12 \times \phi 15 \times 0.2$ X2
- 15012  $\phi 5 \times \phi 10 \times 4$ X2
- 13002  $\phi 3.8 \times \phi 9.2 \times 0.6$ X1
- 72007  $\phi 5 \times \phi 8 \times 0.3$ X1
- 11125  M2.5x10 X4

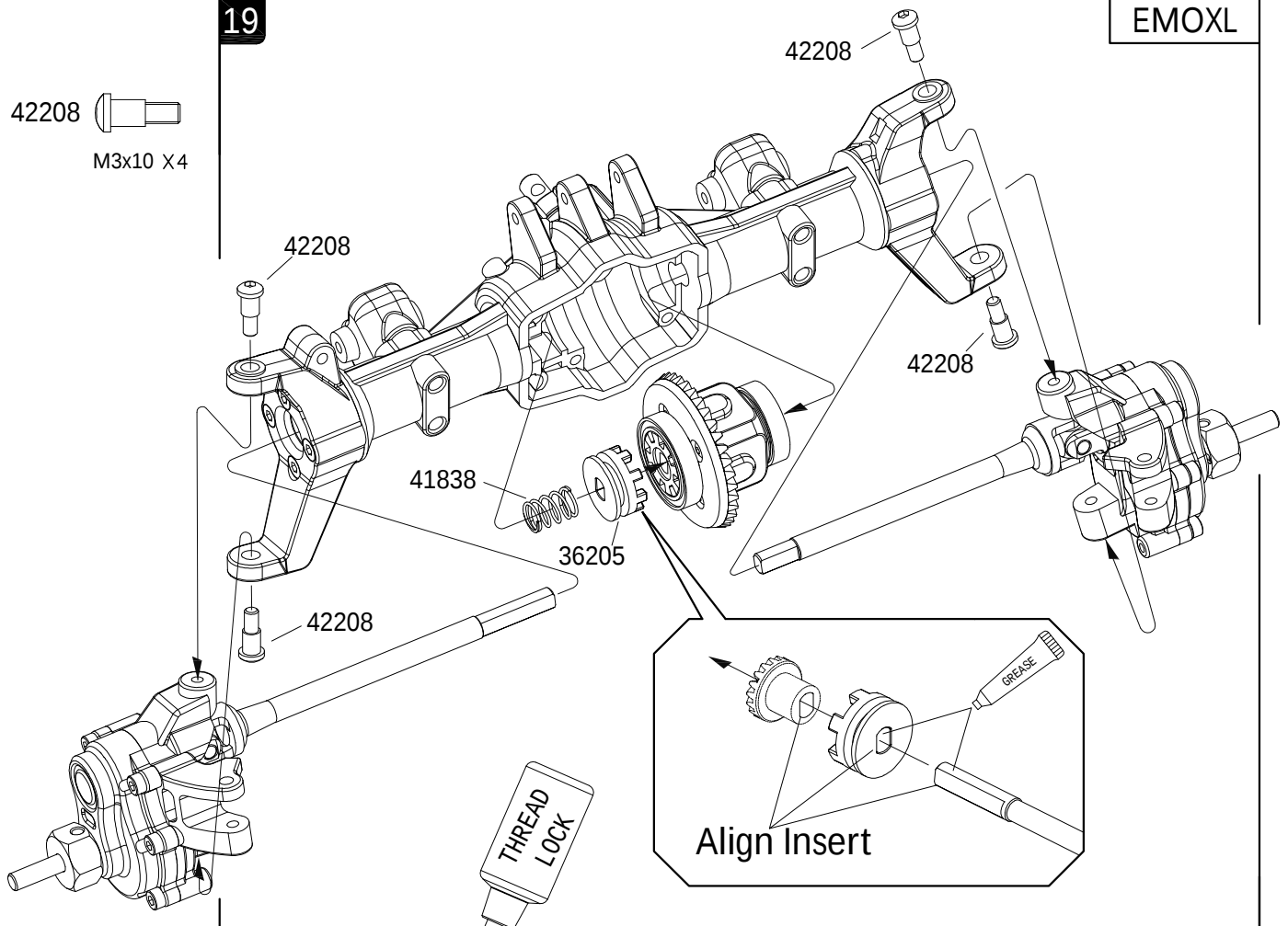
**x2****15****EMOXL****16****EMOXL**



EMOXL

19

42208 
M3x10 X4



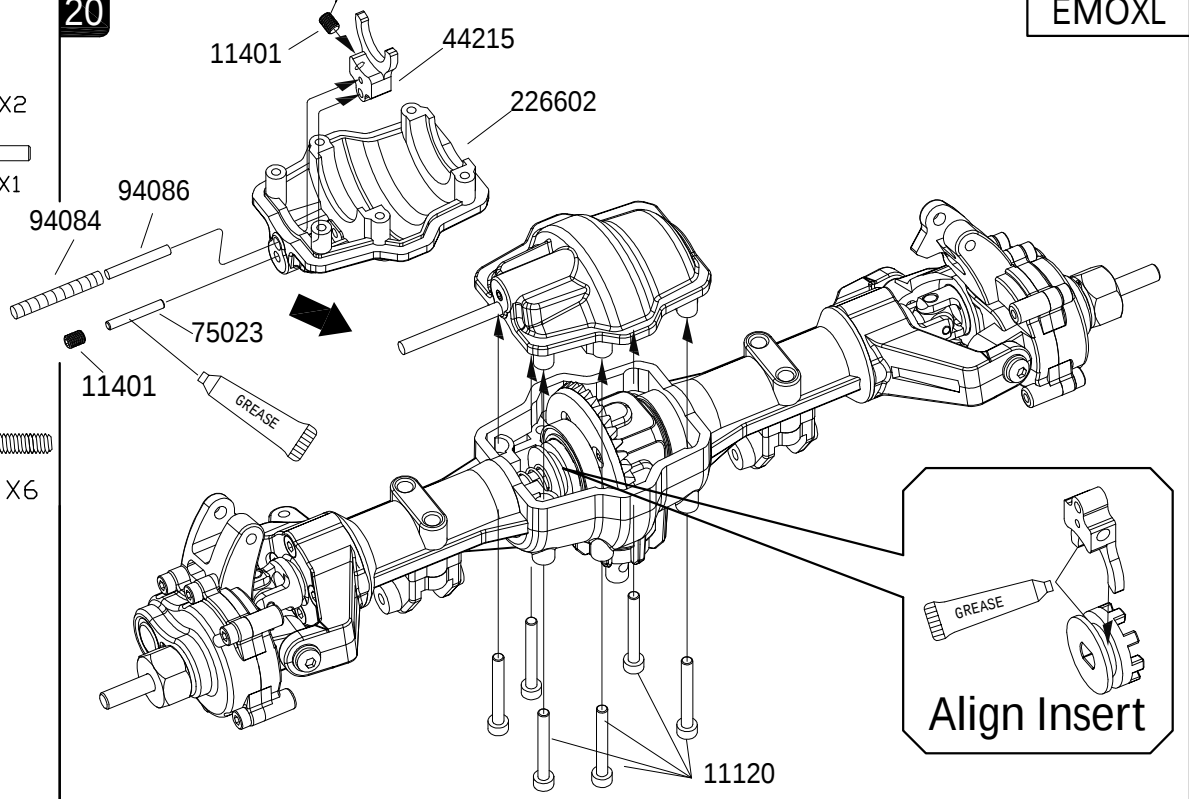
EMOXL

20

11401 
M3x4 X2

75023 
Ø2x14 X1

11120 
M2.5x20 X6



21

EMOXL



15012
 $\varnothing 5 \times \varnothing 10 \times 4$ X2



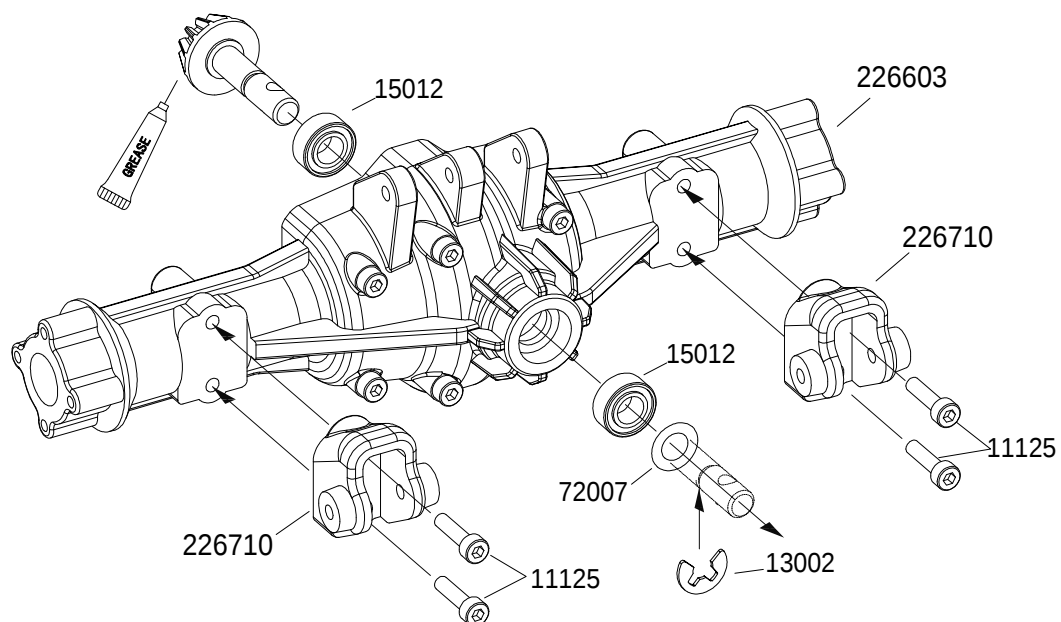
13002
 $\varnothing 3.8 \times \varnothing 9.2 \times 0.6$ X1



72007
 $\varnothing 5 \times \varnothing 8 \times 0.3$ X1

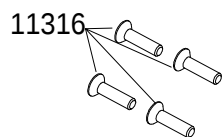


11125
 M2.5x10 X4

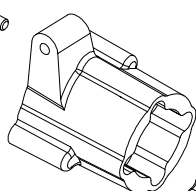


22

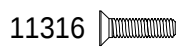
EMOXL



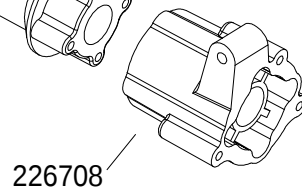
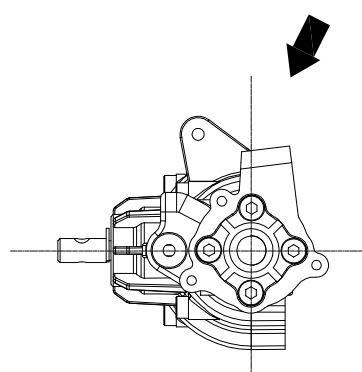
11316



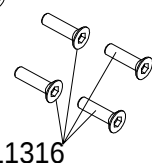
226707



11316
 M2.5x10 X8



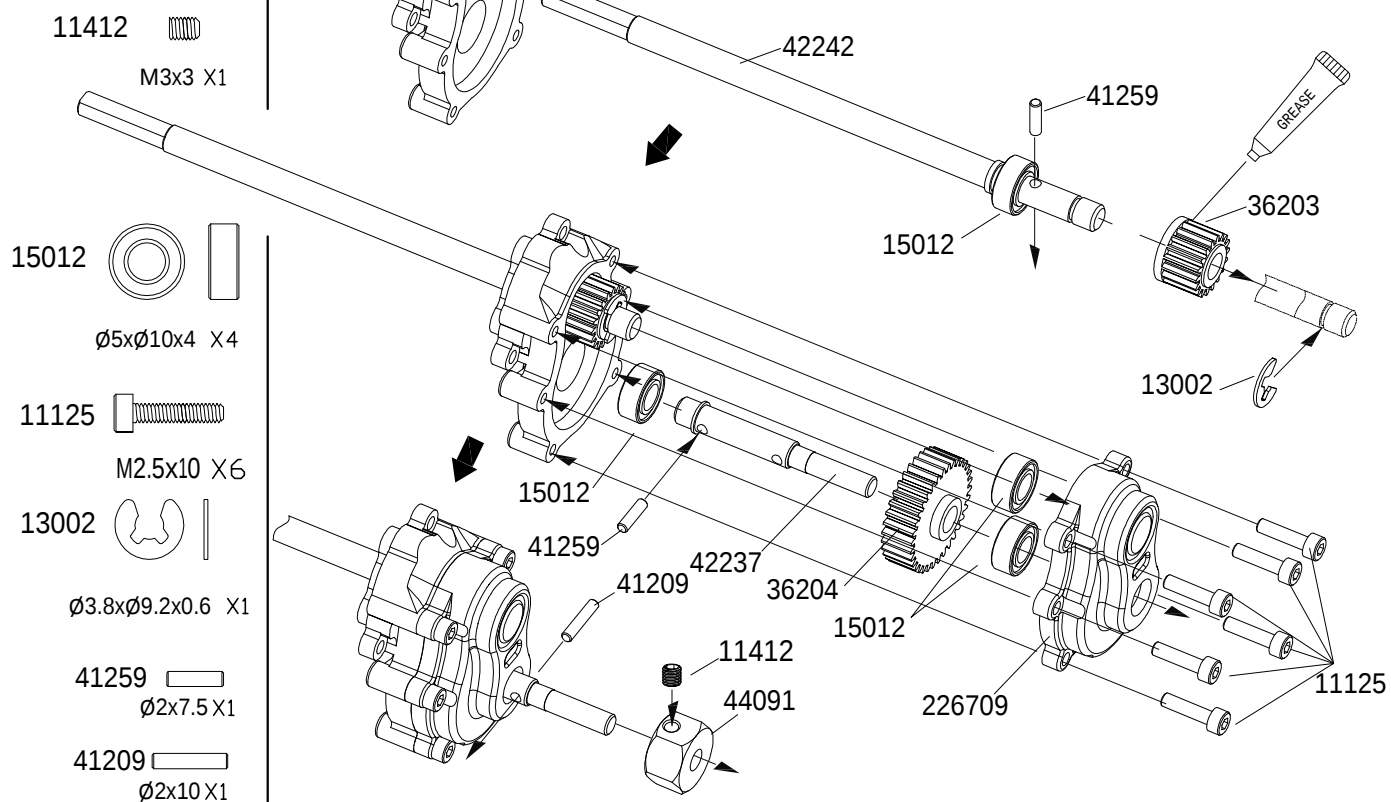
226708



11316

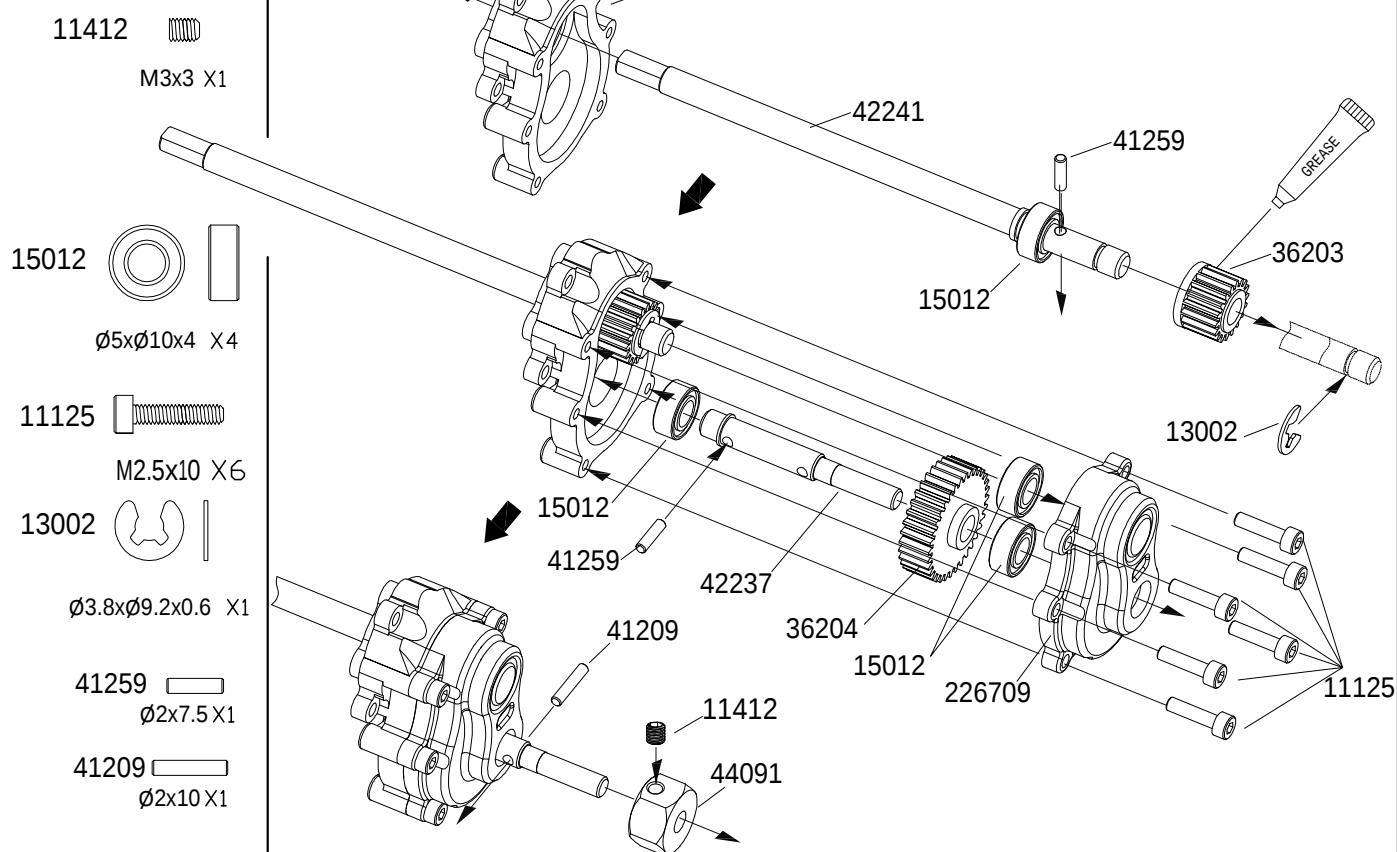
23

EMOXL



24

EMOXL

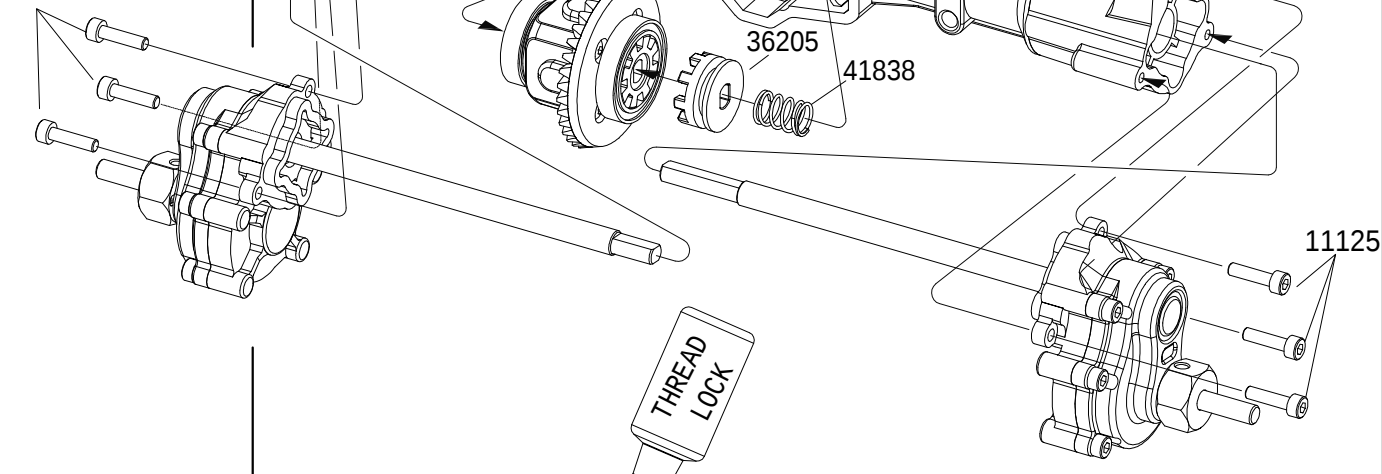


25

EMOXL

11125 
M2.5x10 X6

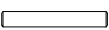
11125



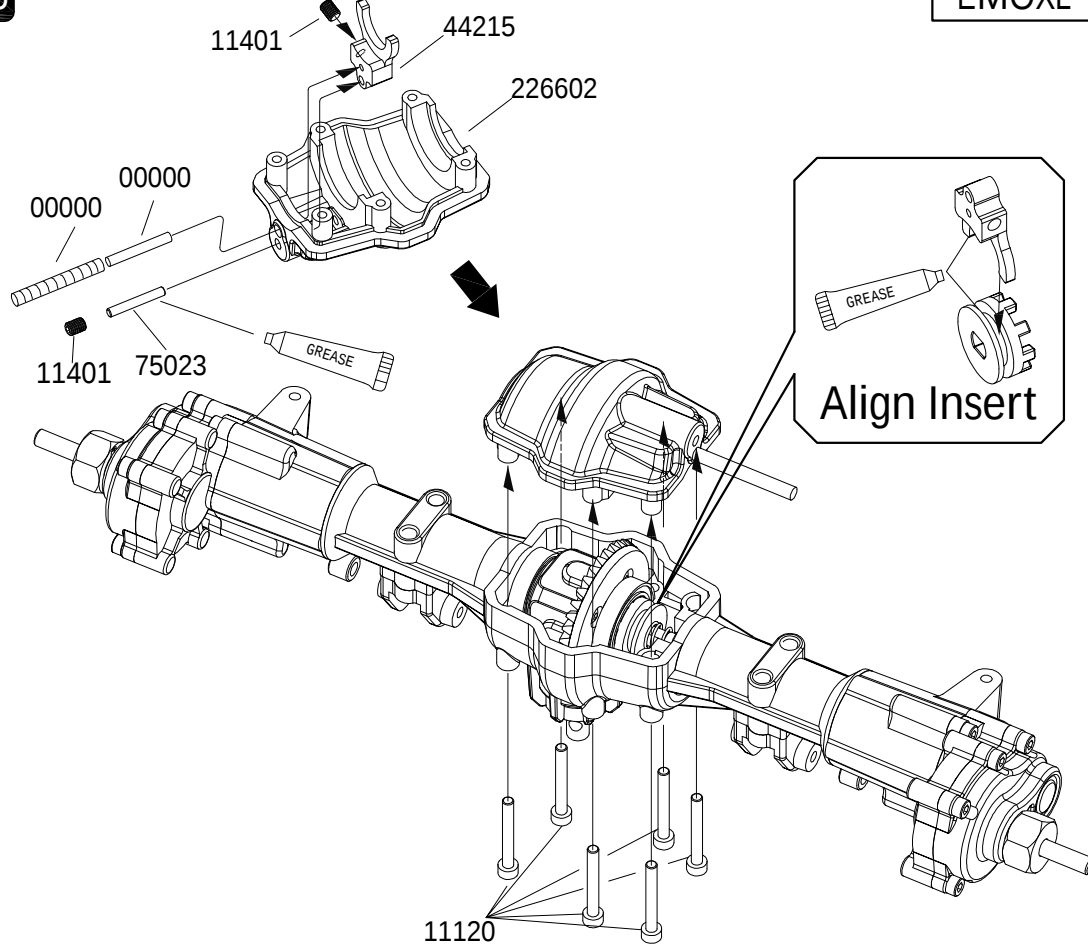
26

EMOXL

11401 
M3x4 X2

75023 
Ø2x14 X1

11120 
M2.5x20 X6



27

EMOXL



15012
 $\varnothing 5 \times \varnothing 10 \times 4$ X2



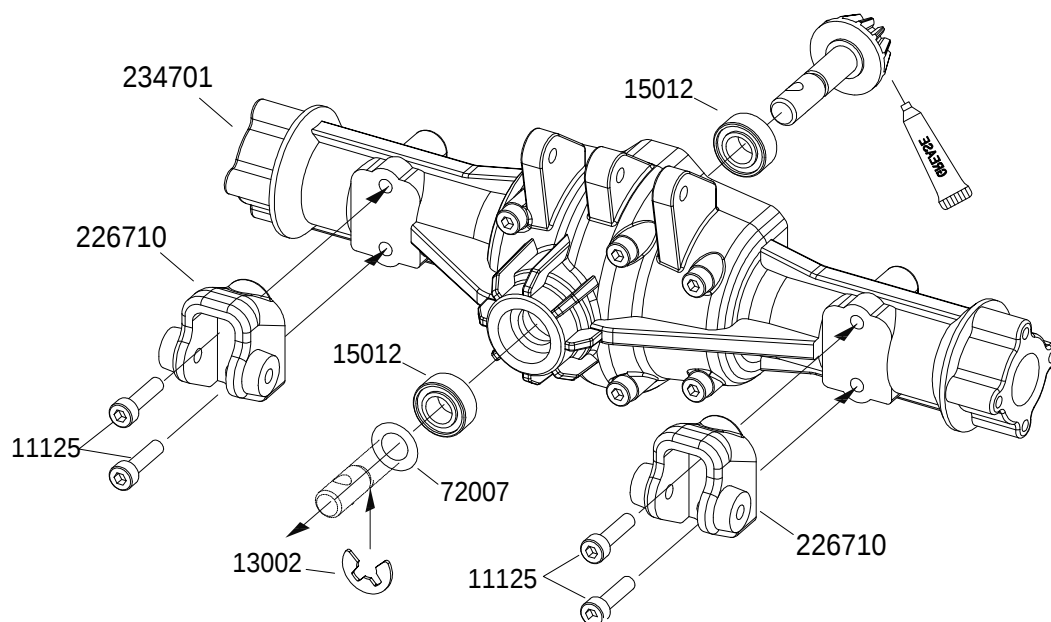
13002
 $\varnothing 3.8 \times \varnothing 9.2 \times 0.6$ X1



72007
 $\varnothing 5 \times \varnothing 8 \times 0.3$ X1

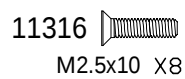


11125
 M2.5x10 X4

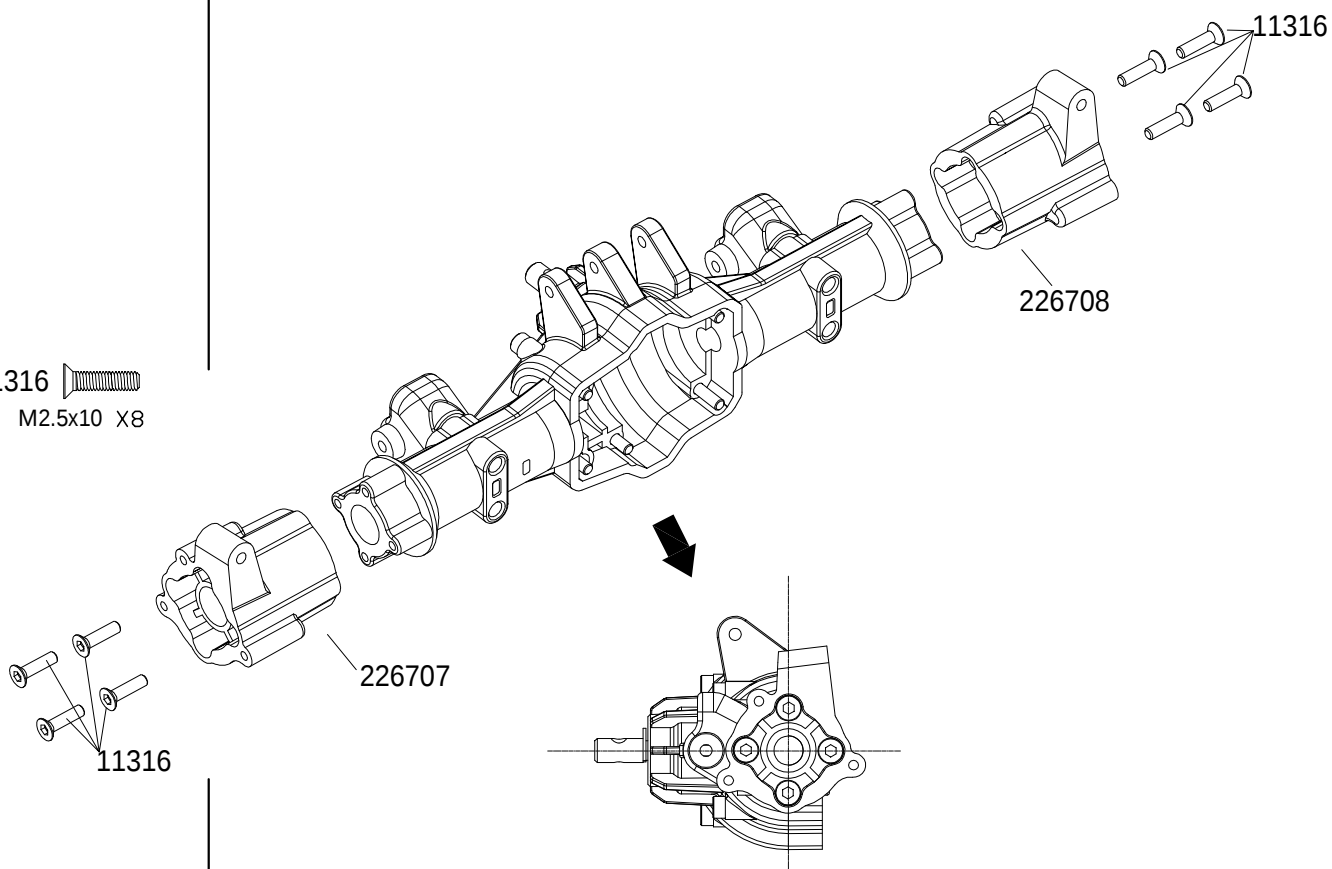


28

EMOXL



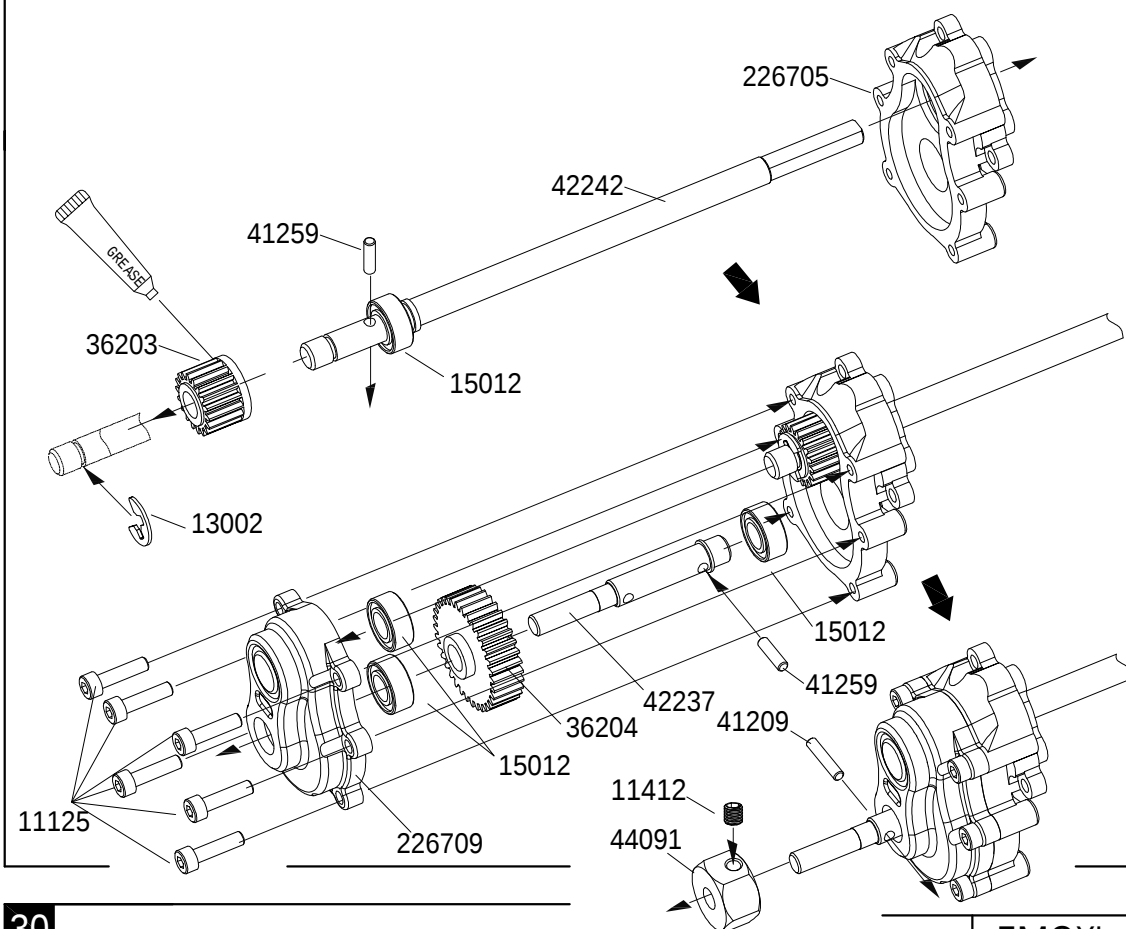
11316
 M2.5x10 X8



29

EMOXL

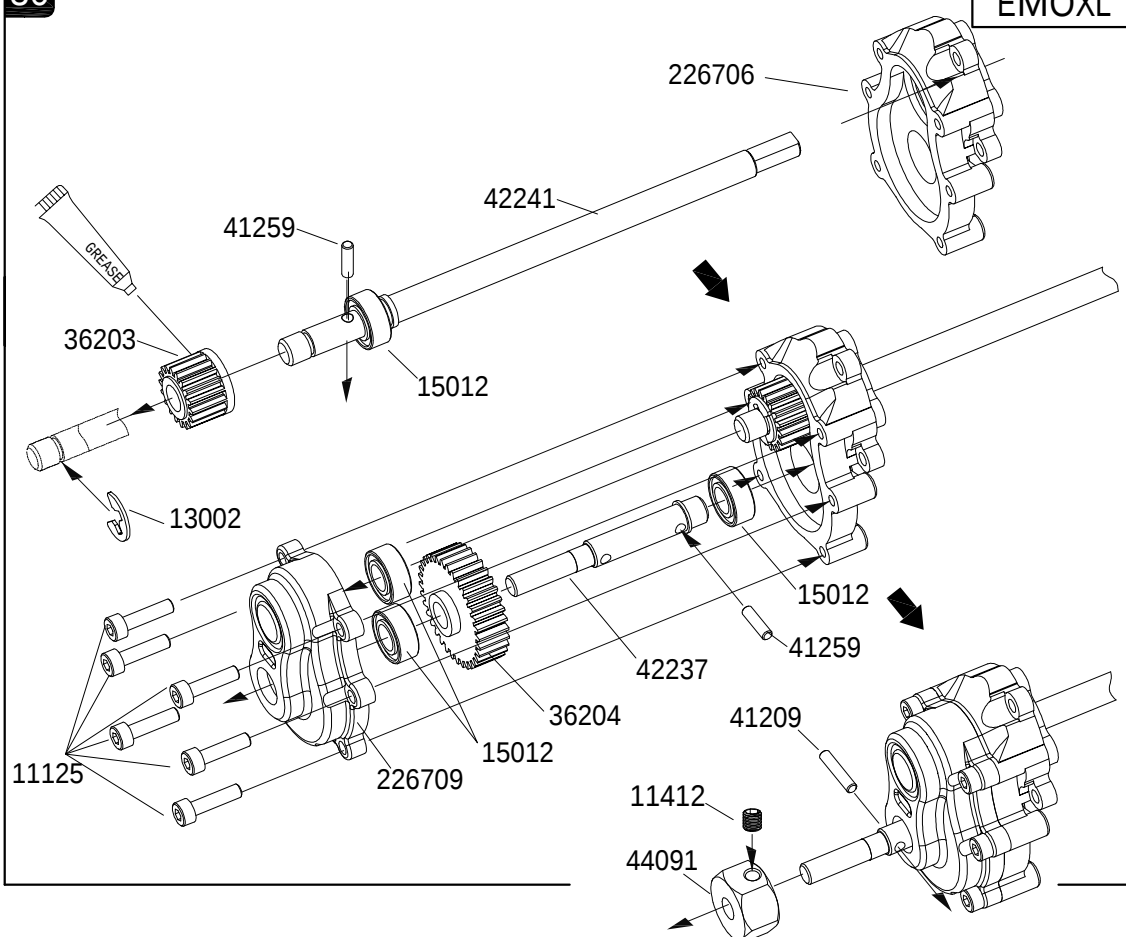
- 11412  M3x3 X1
- 15012   $\varnothing 5 \times \varnothing 10 \times 4$ X4
- 11125  M2.5x10 X6
- 13002  $\varnothing 3.8 \times \varnothing 9.2 \times 0.6$ X1
- 41259  $\varnothing 2 \times 7.5$ X1
- 41209  $\varnothing 2 \times 10$ X1



30

EMOXL

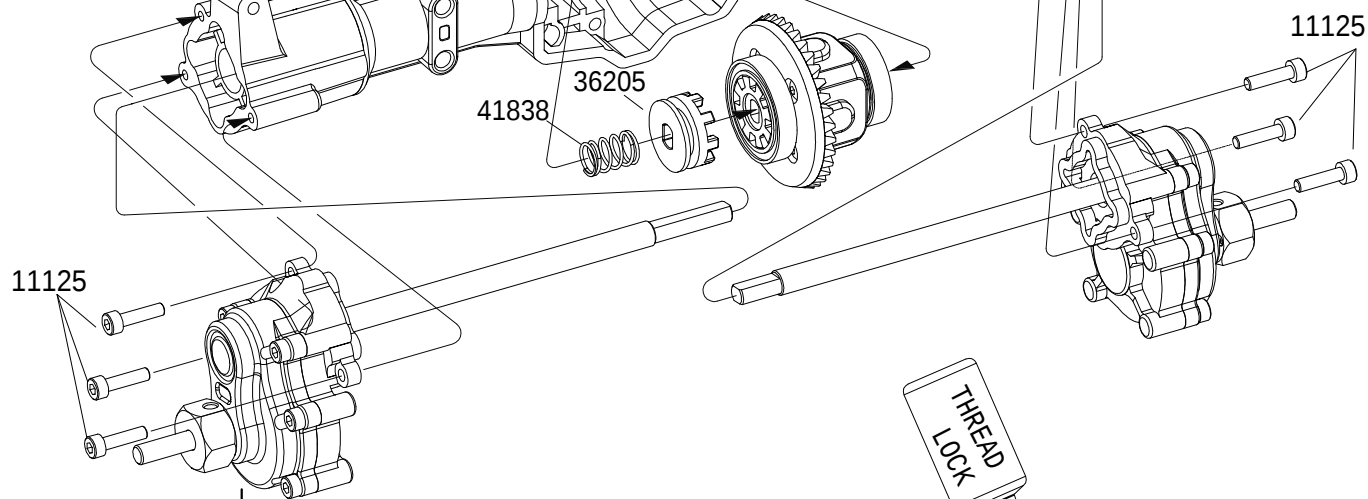
- 11412  M3x3 X1
- 15012   $\varnothing 5 \times \varnothing 10 \times 4$ X4
- 11125  M2.5x10 X6
- 13002  $\varnothing 3.8 \times \varnothing 9.2 \times 0.6$ X1
- 41259  $\varnothing 2 \times 7.5$ X1
- 41209  $\varnothing 2 \times 10$ X1



31

EMOXL

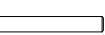
11125 
M2.5x10 X6

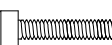


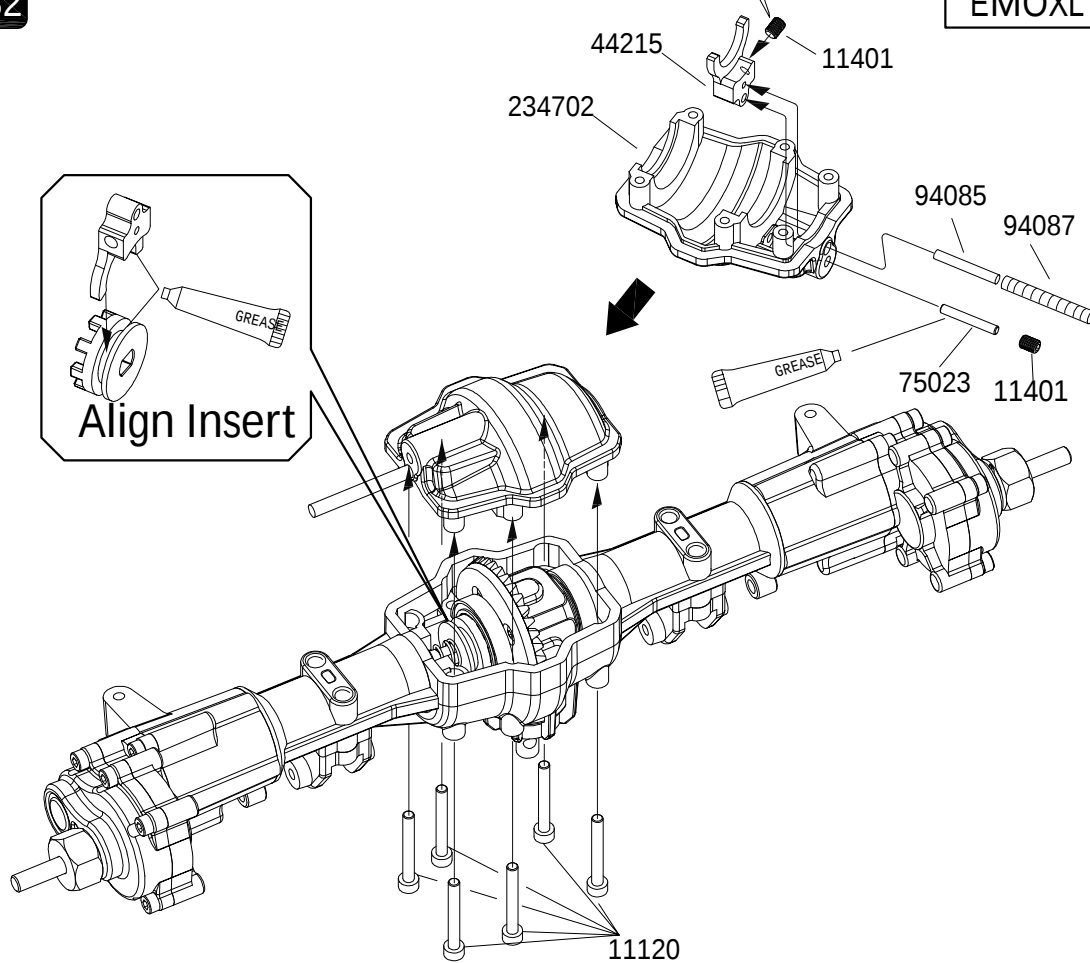
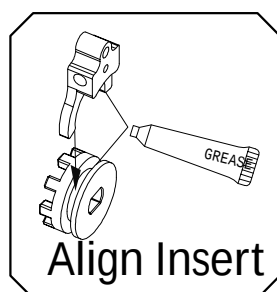
32

EMOXL

11401 
M3x4 X2

75023 
Ø2x14 X1

11120 
M2.5x20 X6

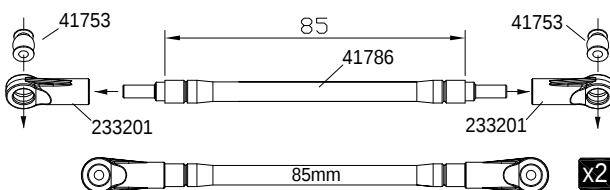
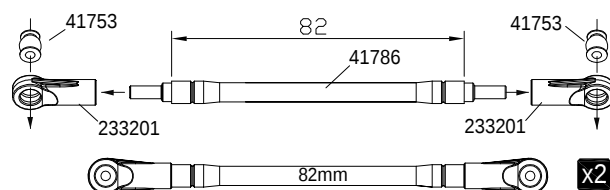
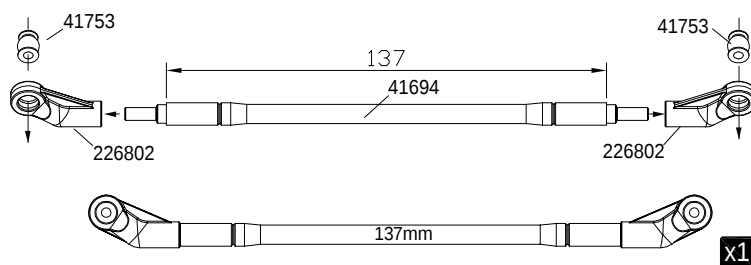
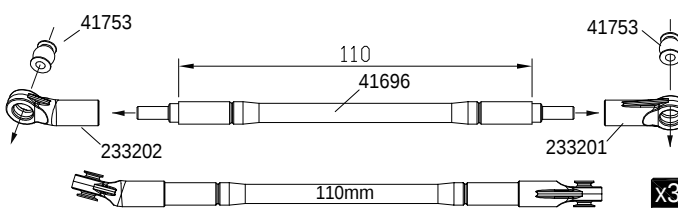
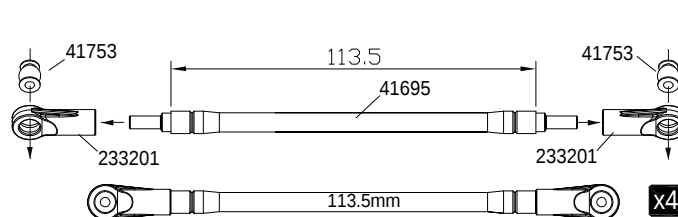
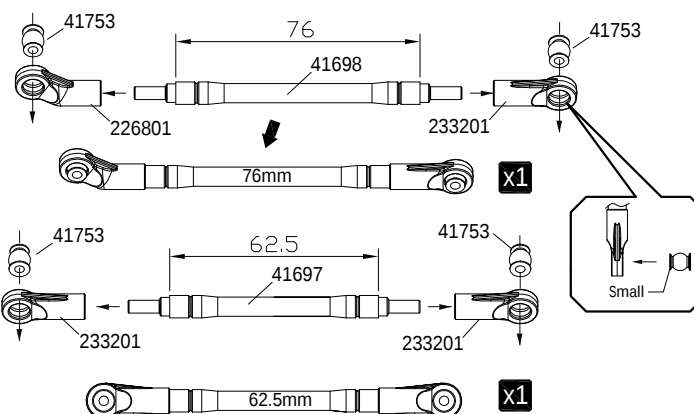


33

EMOXL



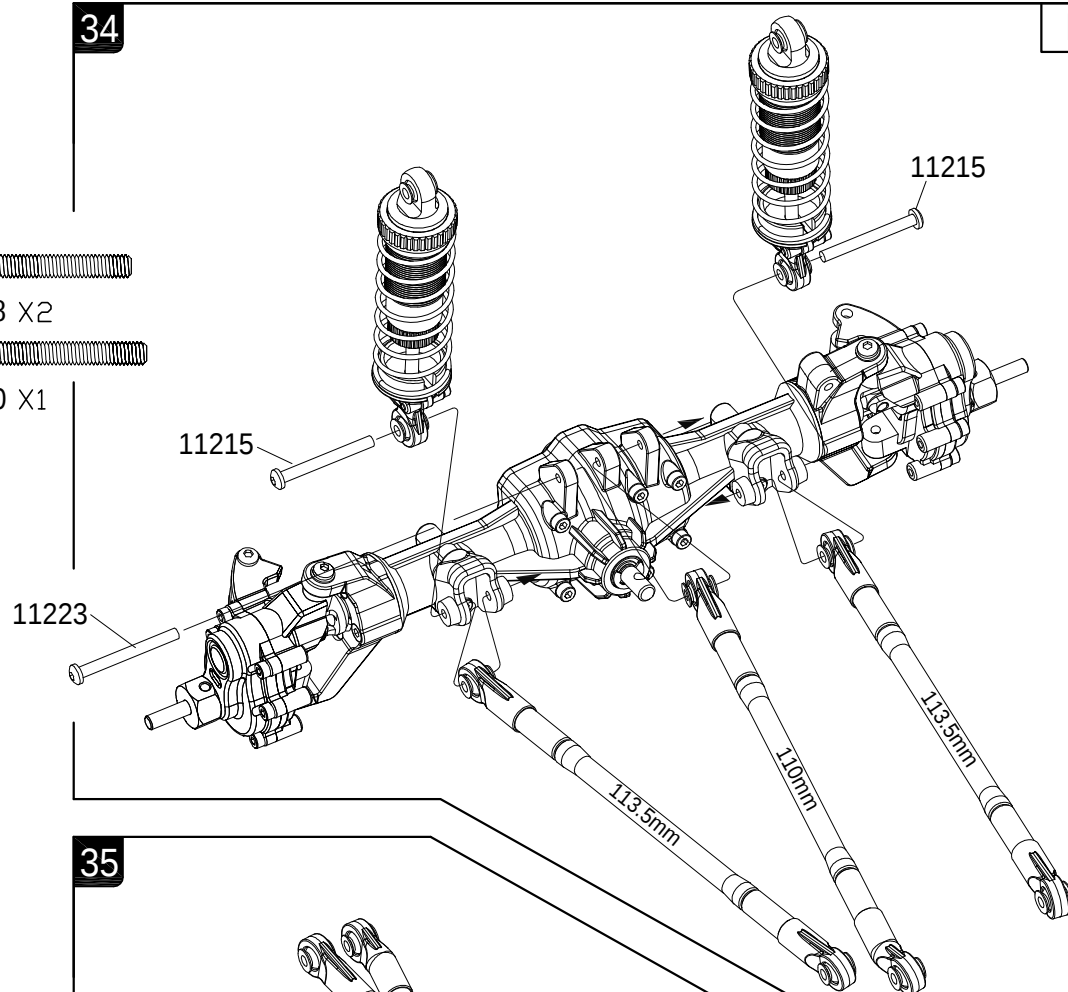
41753 X28



34

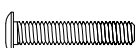
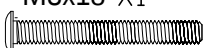
EMOXL

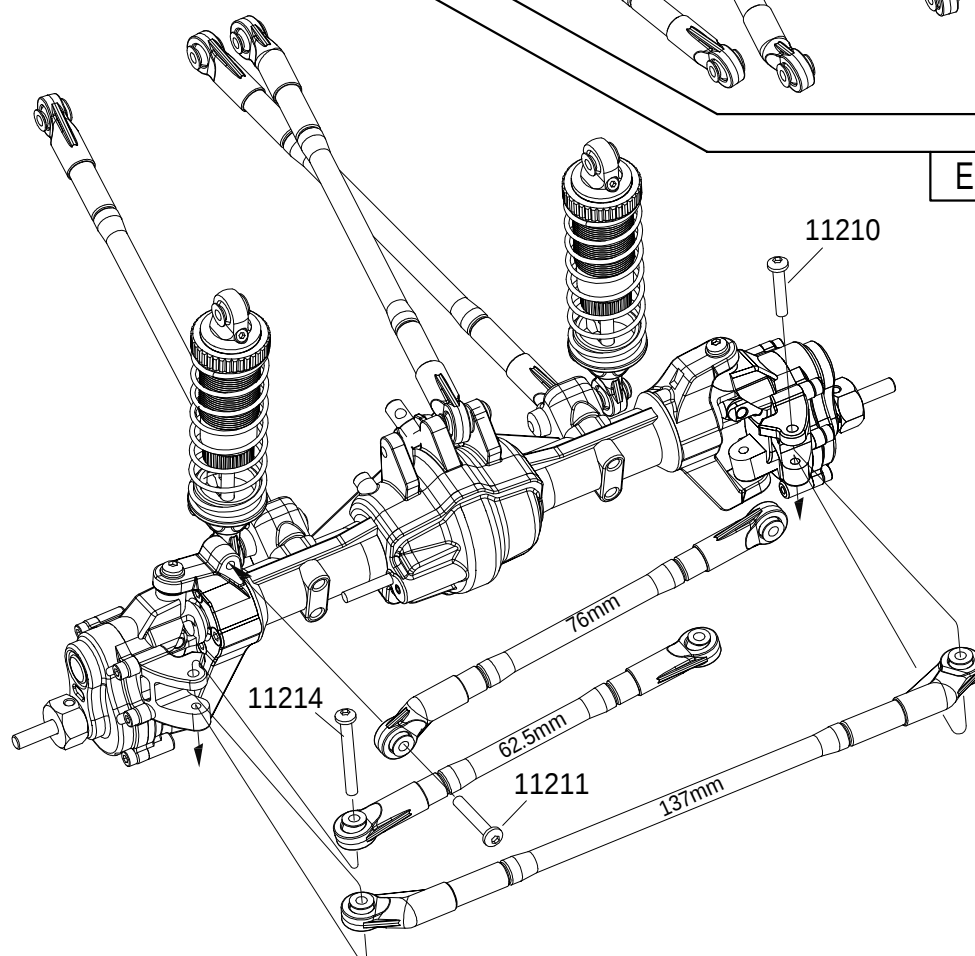
- 11215 
M3x28 X2
- 11223 
M3x30 X1



35

EMOXL

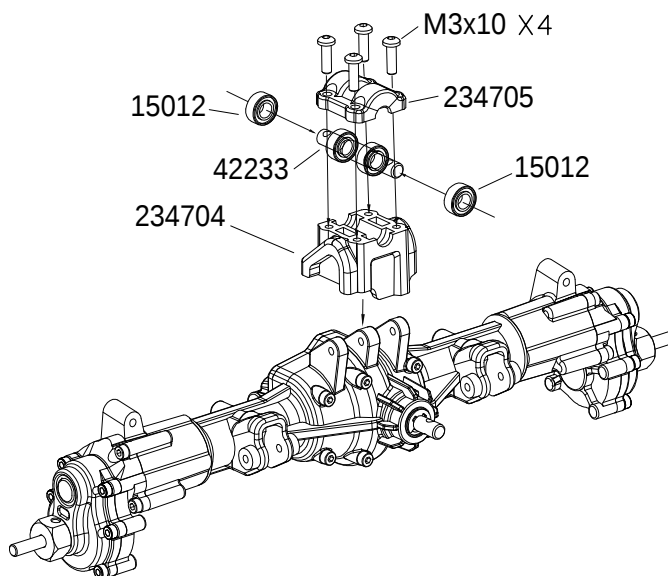
- 11210 
M3x16 X1
- 11211 
M3x18 X1
- 11214 
M3x25 X1



36

EMOXL

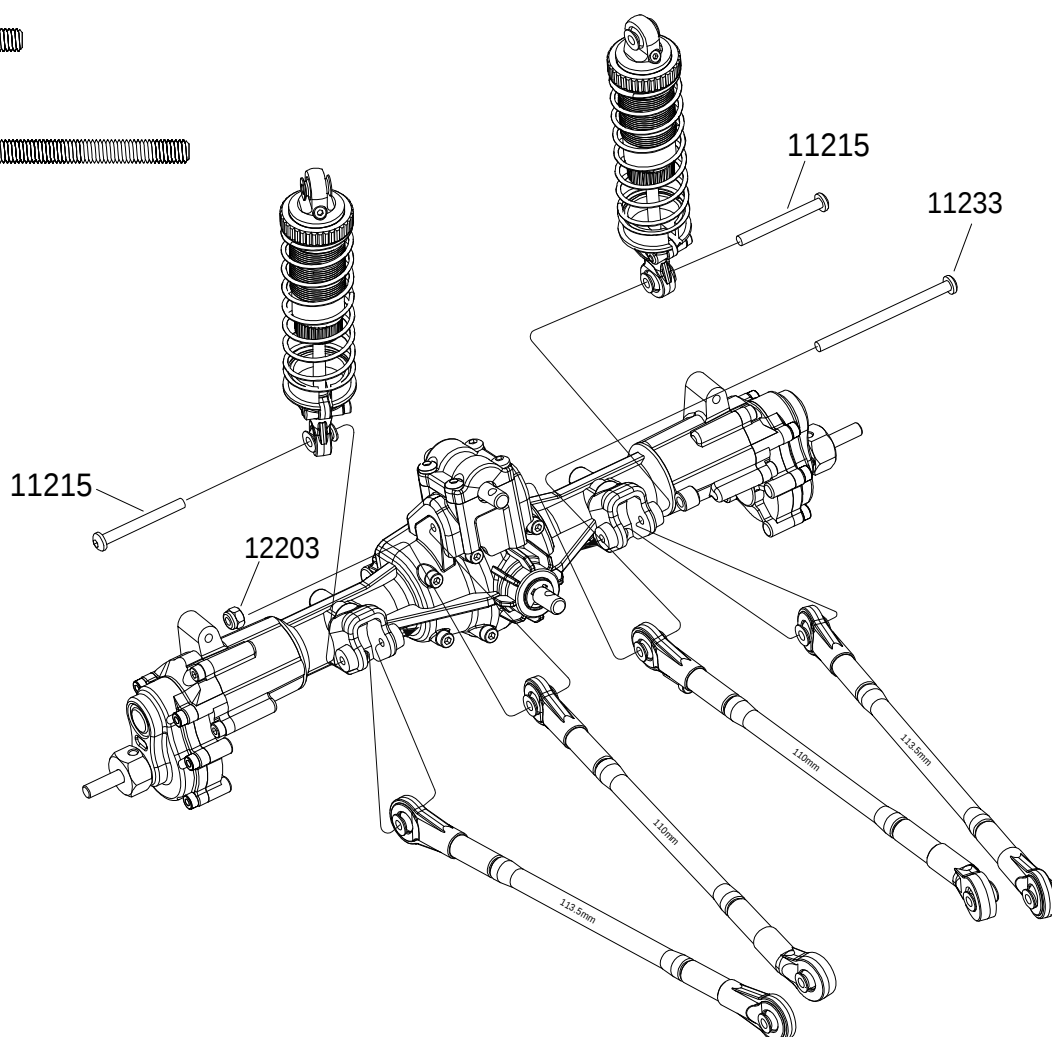
- 11207 
M3x10 X4
- 15012 
Ø5xØ10x4 X2



37

EMOXL

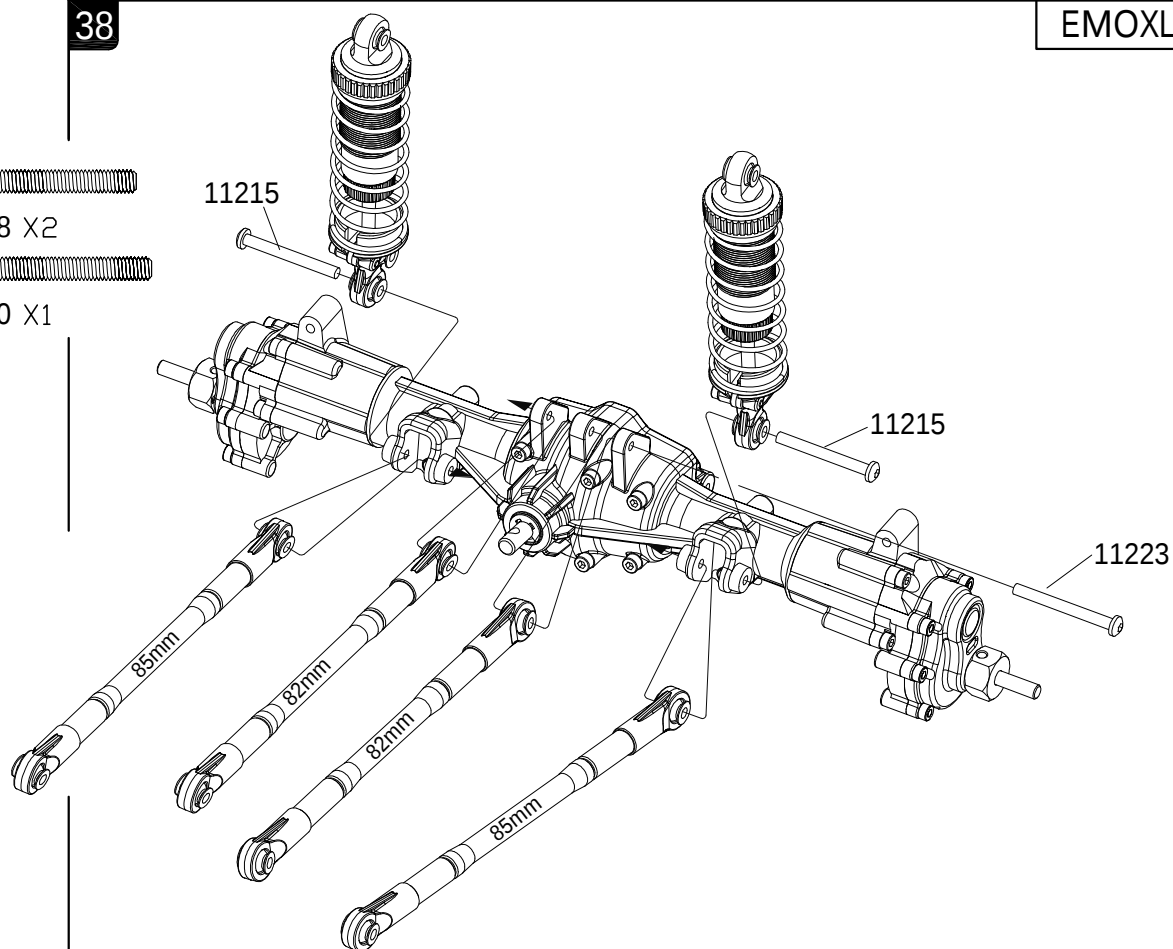
- 11215 
M3x28 X2
- 11233 
M3x50 X1
- 12203 
M3 X1



38

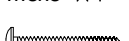
EMOXL

- 11215  M3x28 X2
- 11223  M3x30 X1



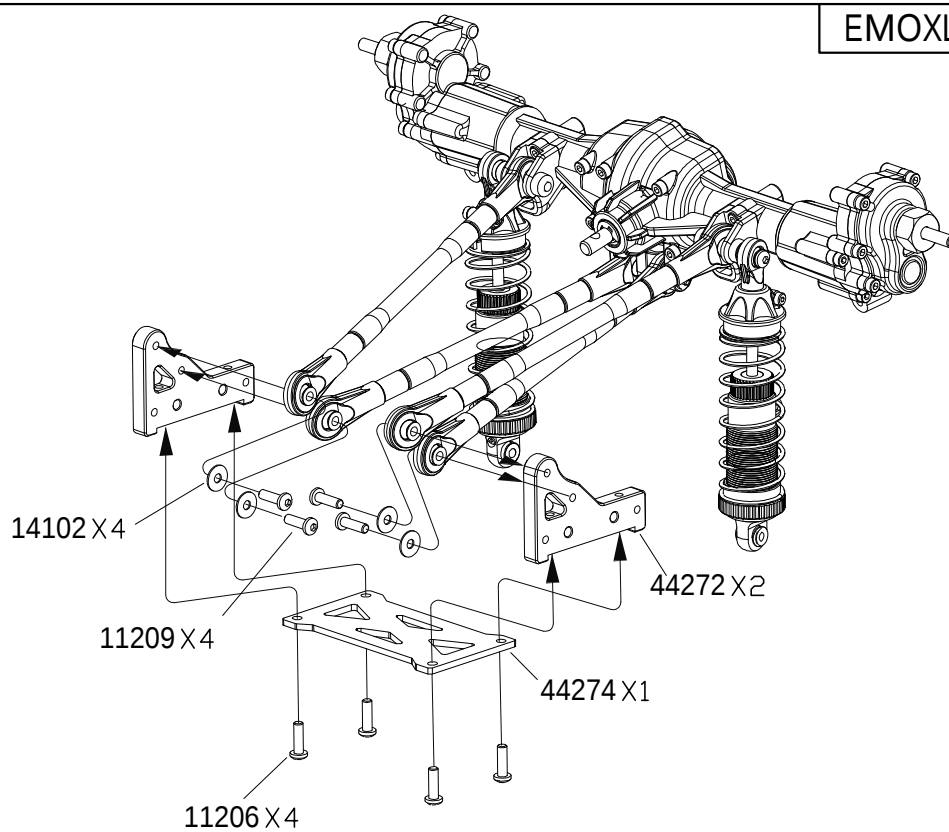
39

EMOXL

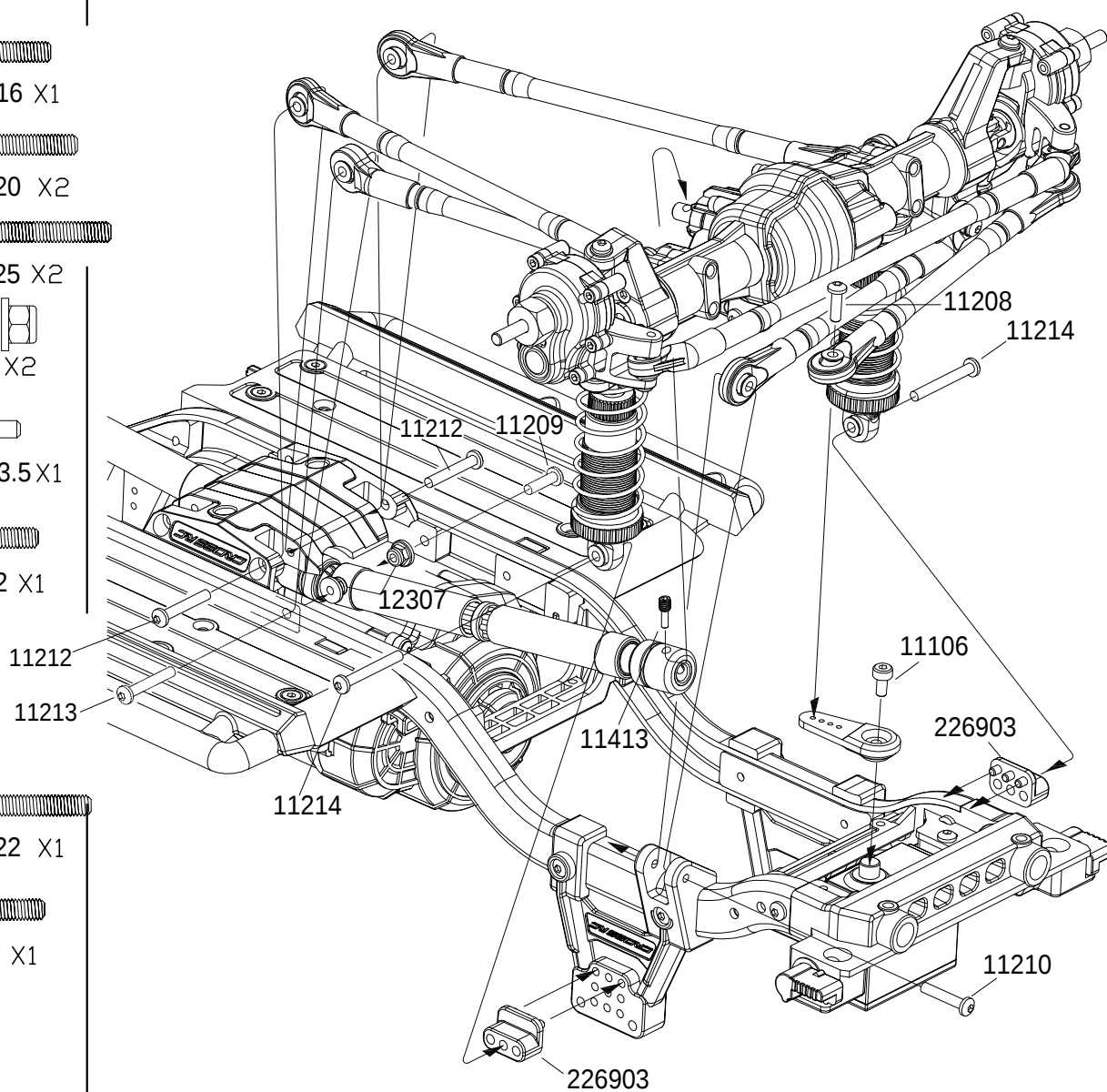
- 11206  M3x8 X4
- 11209  M3x14 X4

141012

 $\varnothing 3 \times \varnothing 7 \times 0.5 \times 4$



- 11106 
M3x8 X1
- 11210 
M3x16 X1
- 11212 
M3x20 X2
- 11214 
M3x25 X2
- 12307 
M3 X2
- 11413 
M4x13.5 X1
- 11208 
M3x12 X1
- 11213 
M3x22 X1
- 11209 
M3x14 X1



41

EMOXL

11212 
M3x20 X2

11213 
M3x22 X2

11214 
M3x25 X2

12303 
M3 X2

11413 
M4x13.5 X2

11212

11213

11214

11214

11413

11413

226903

226903

11214 

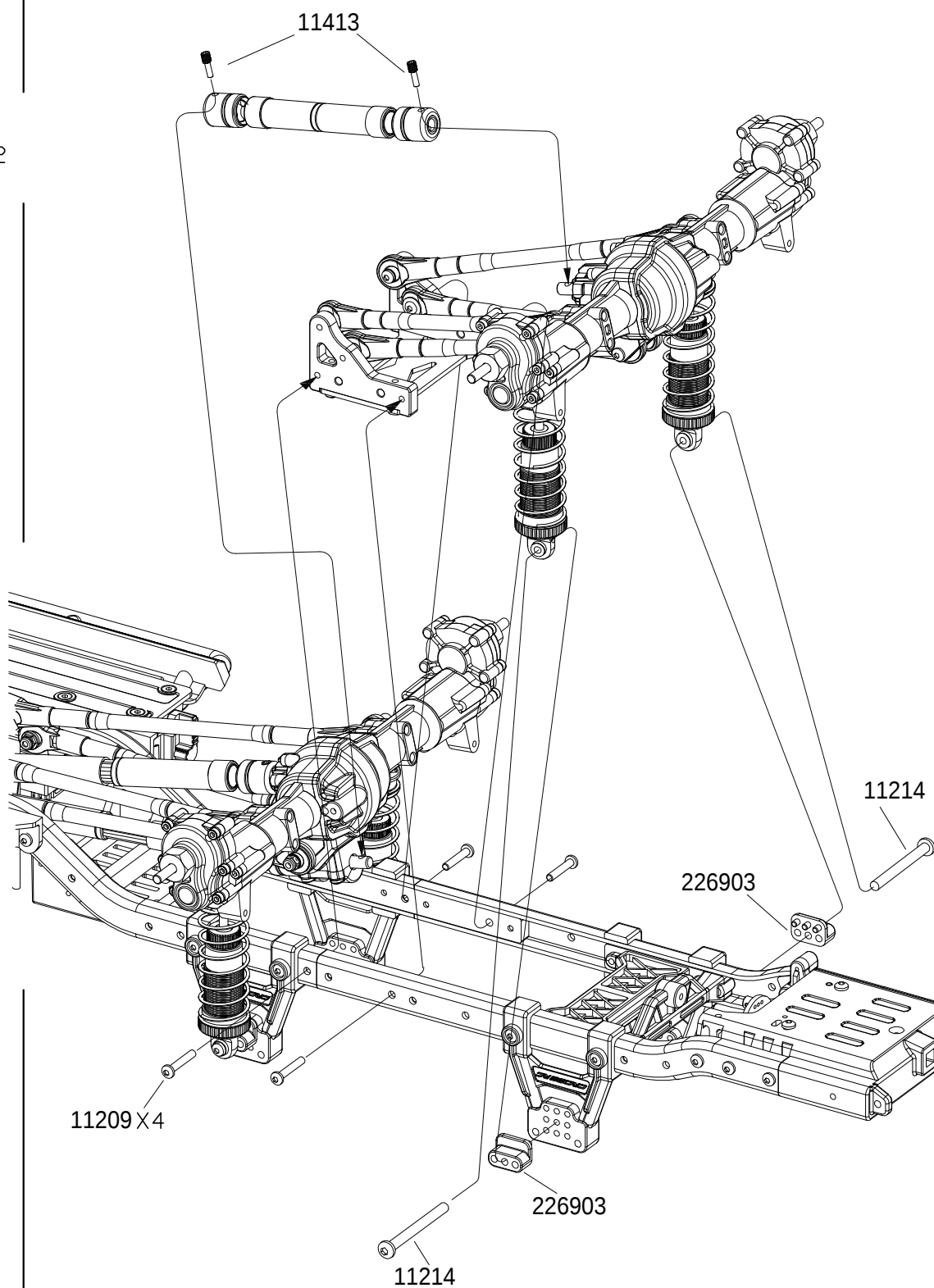
M3x25 X2

11209 

M3x14 X4

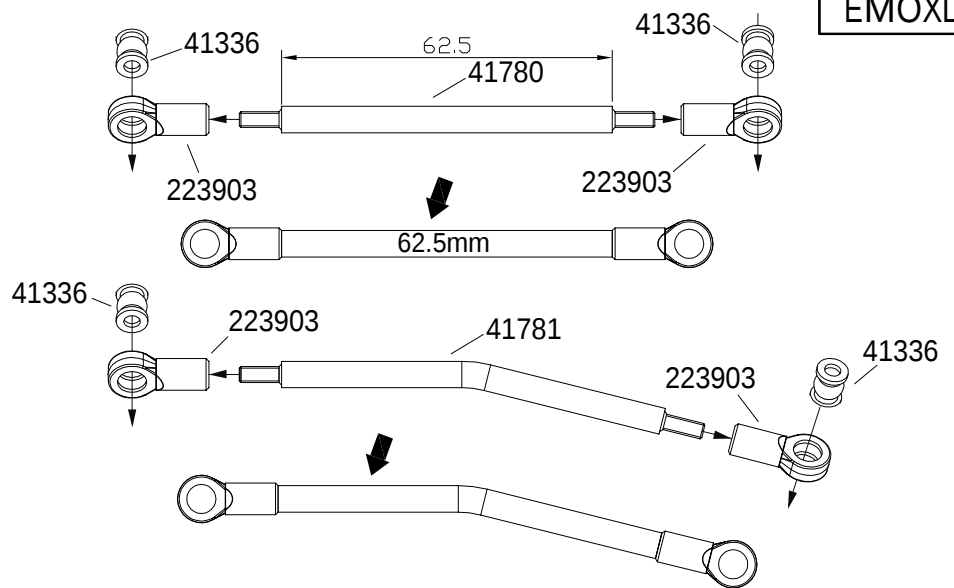
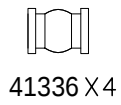
11413 

M4x13.5X2



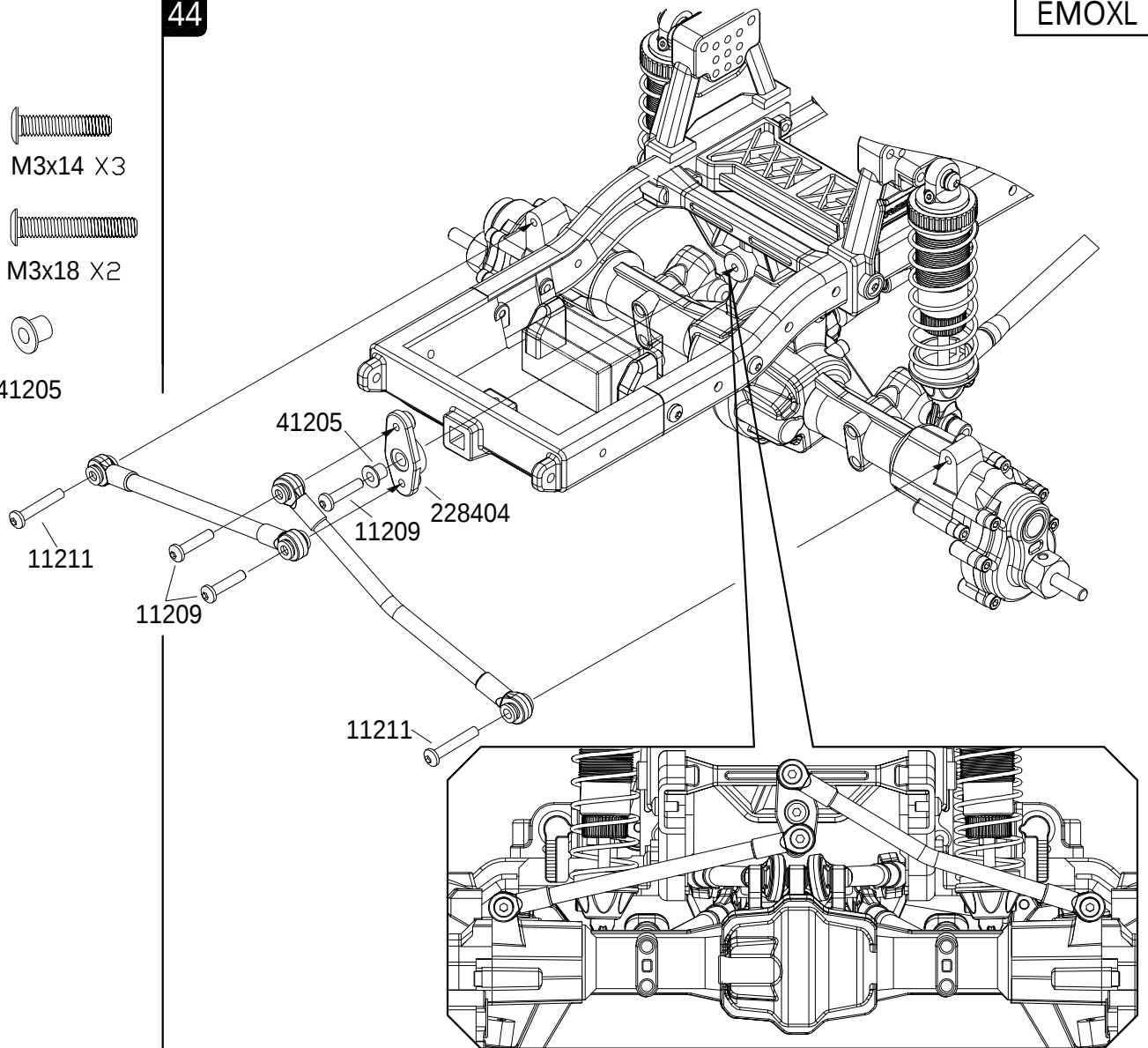
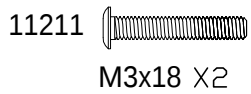
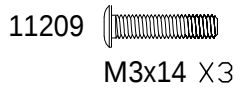
43

EMOXL



44

EMOXL



45

11206 
M3x8 X10

11227 
M2.5x8 X2

12206  
M2 X2

11401
M3x4 X1



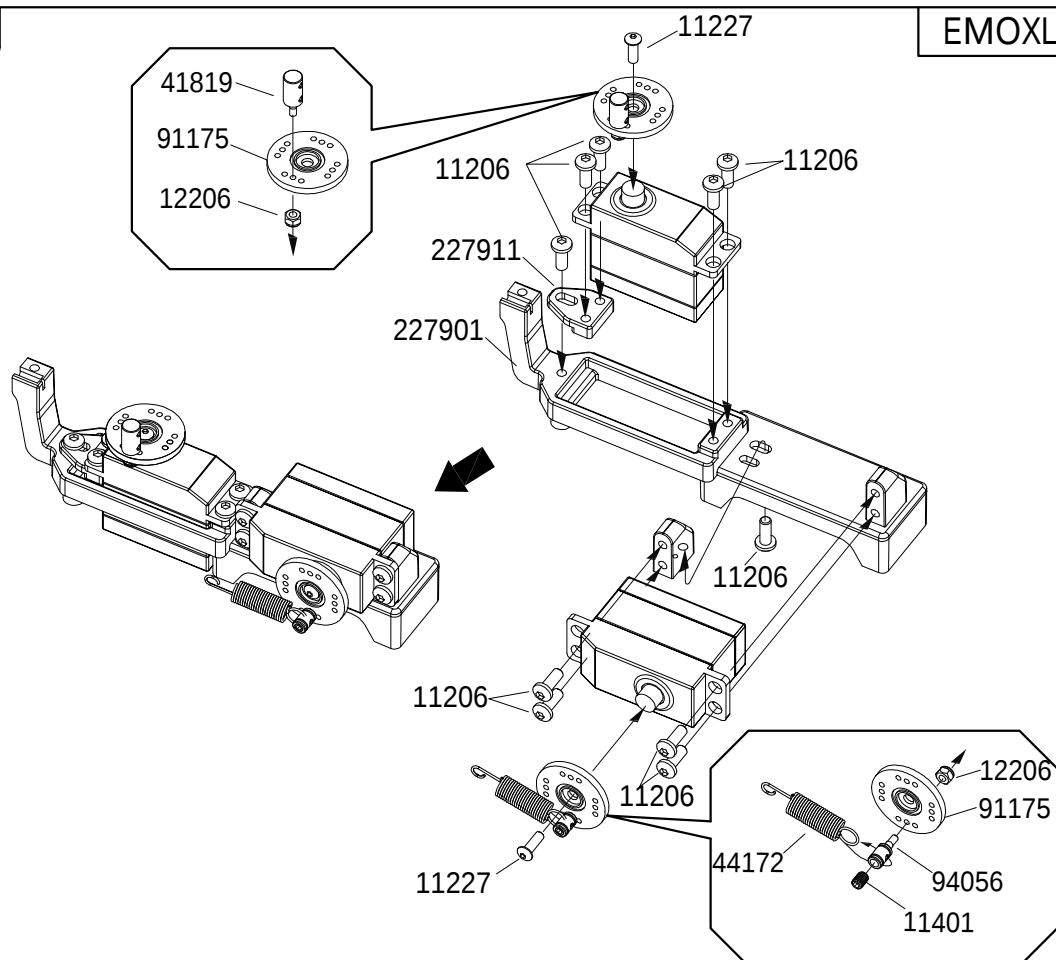
44172 X1



41819 X1



94056 X1



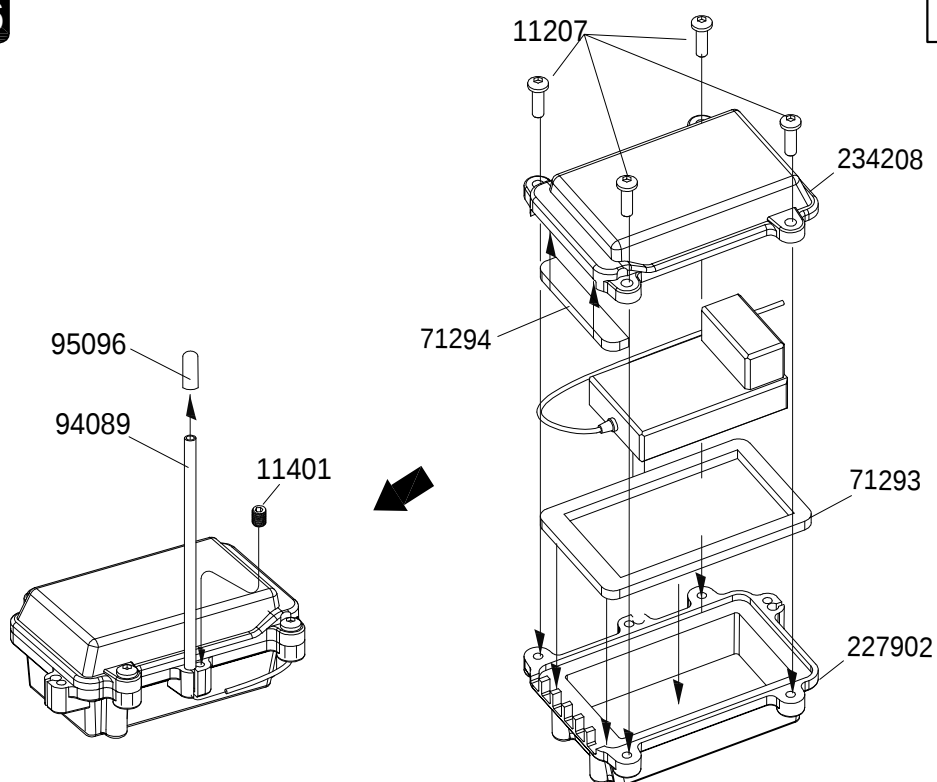
46

EMOXL

11401 
M3x4 X1

11207 
M3x10 X4

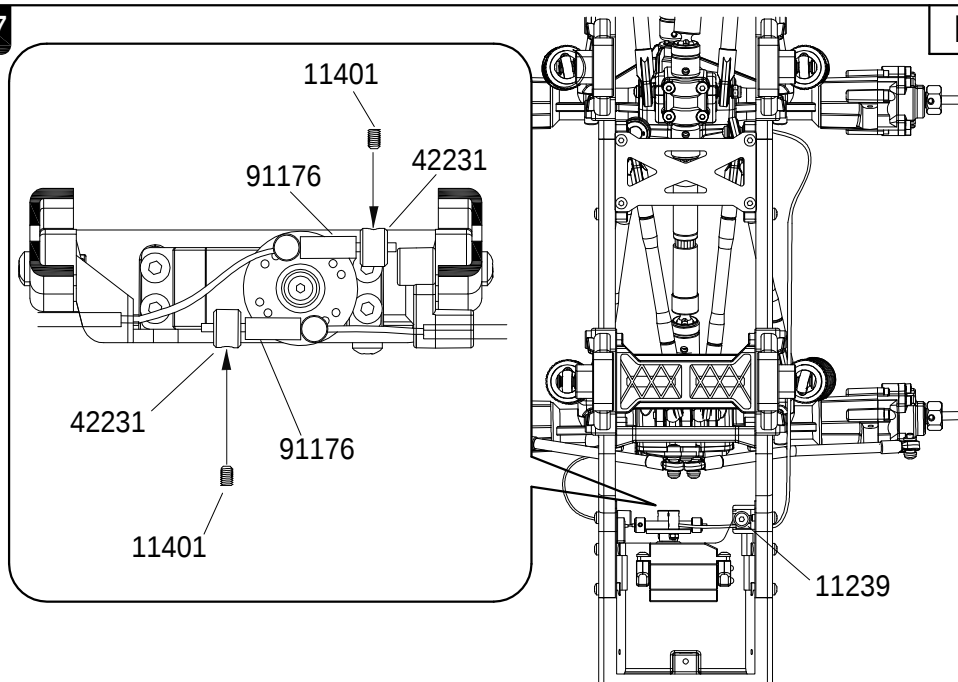
11207 
M3x10 X4



47

EMOXL

- 11239 
- 11401 
M3x4 X2
- 
91176 X2

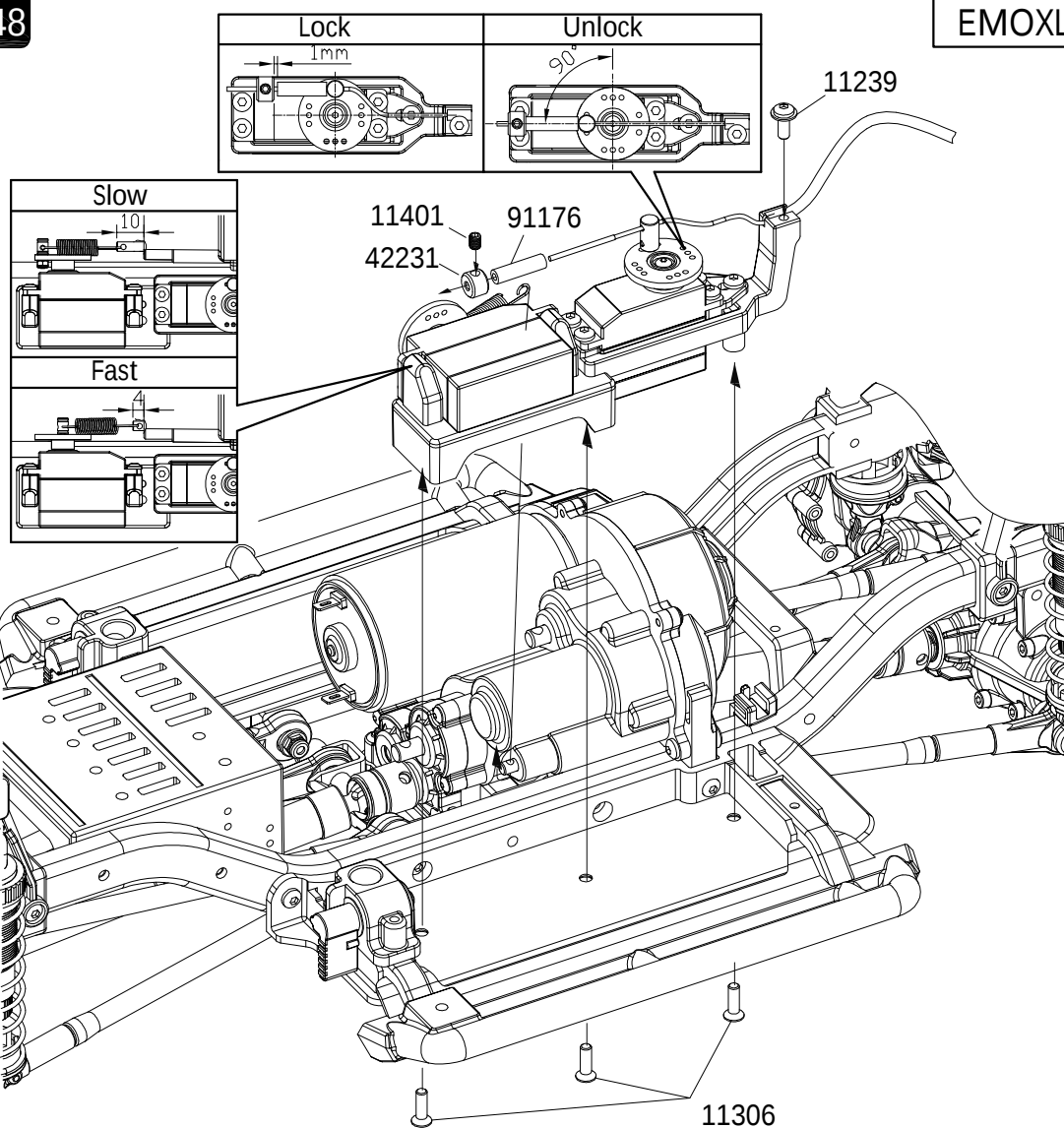


48

EMOXL

- 11239 
M3x8 X1
- 11306 
M3x10 X3

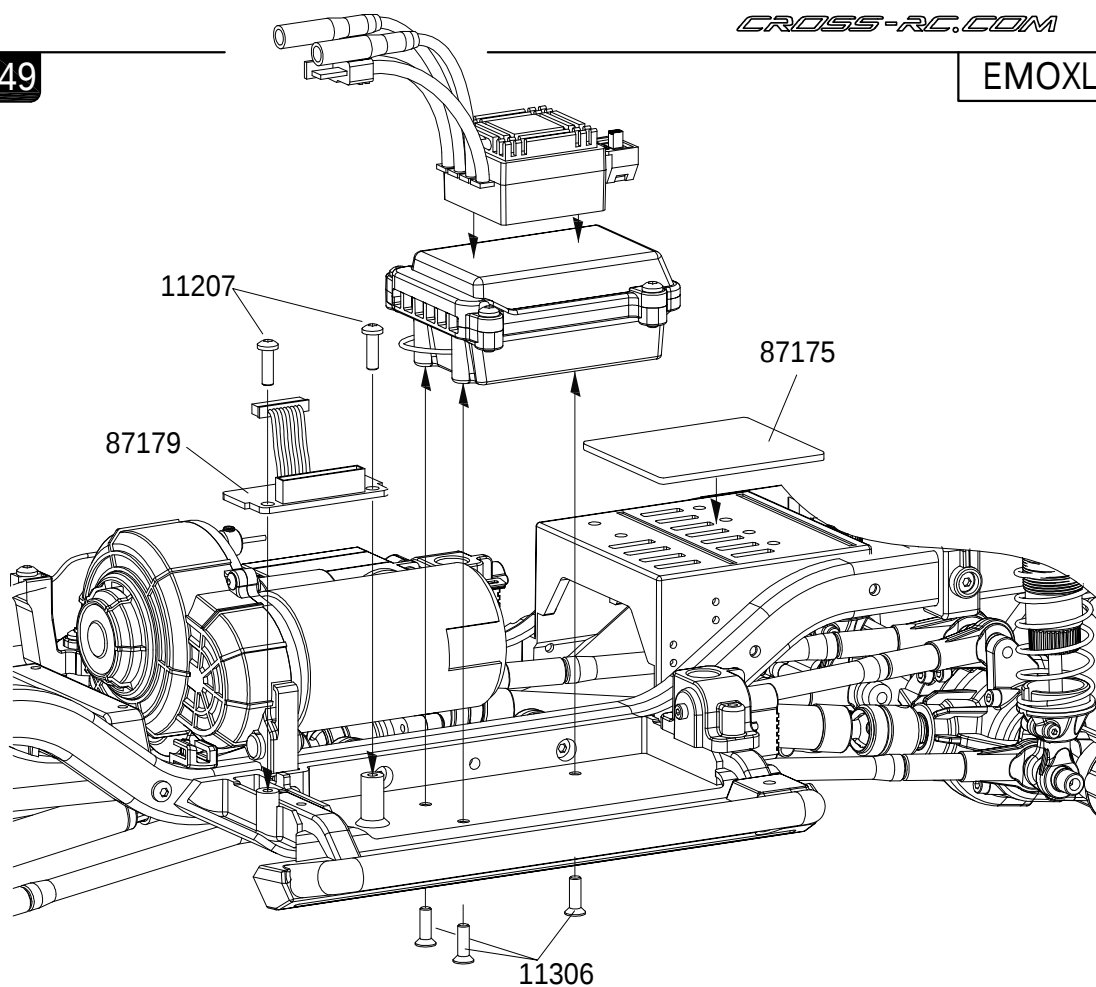
- 11401 
M3x4 X1
- 
42231 X1
- 
91176 X1



49

EMOXL

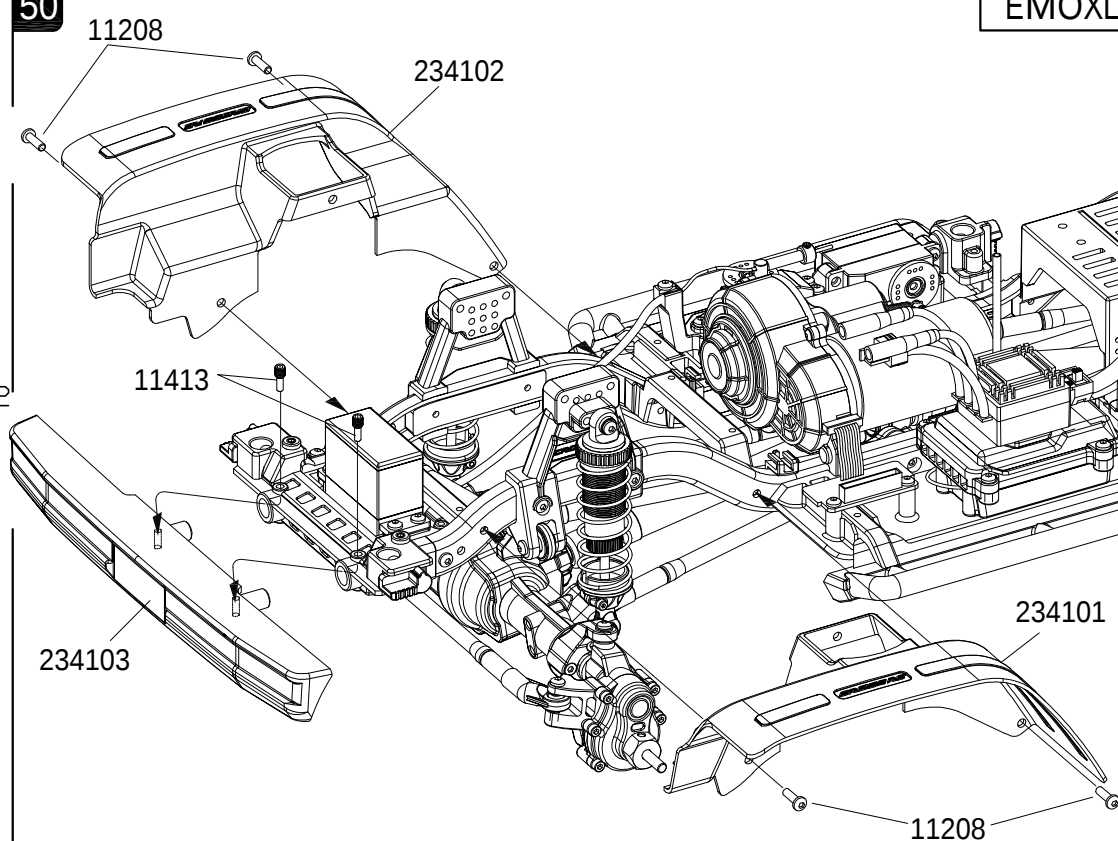
- 11207 
M3x10 X2
- 11306 
M3x10 X3



50

EMOXL

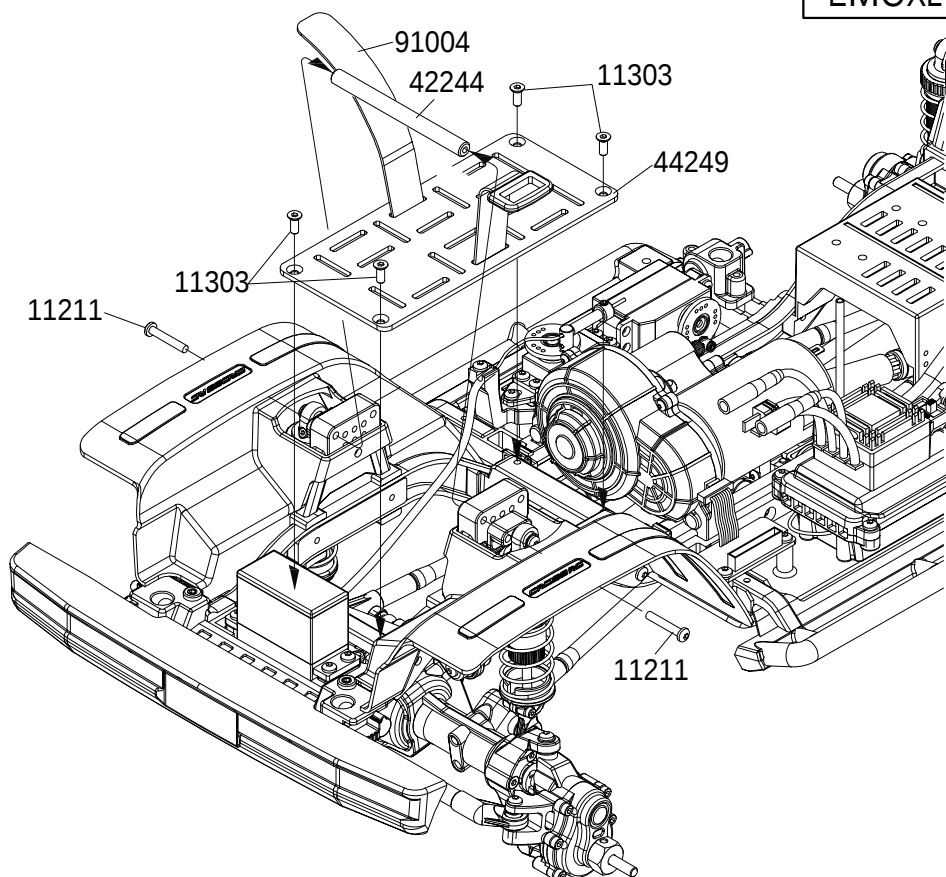
- 11208 
M3x12 X4
- 11413 
M4x13.5 X2



51

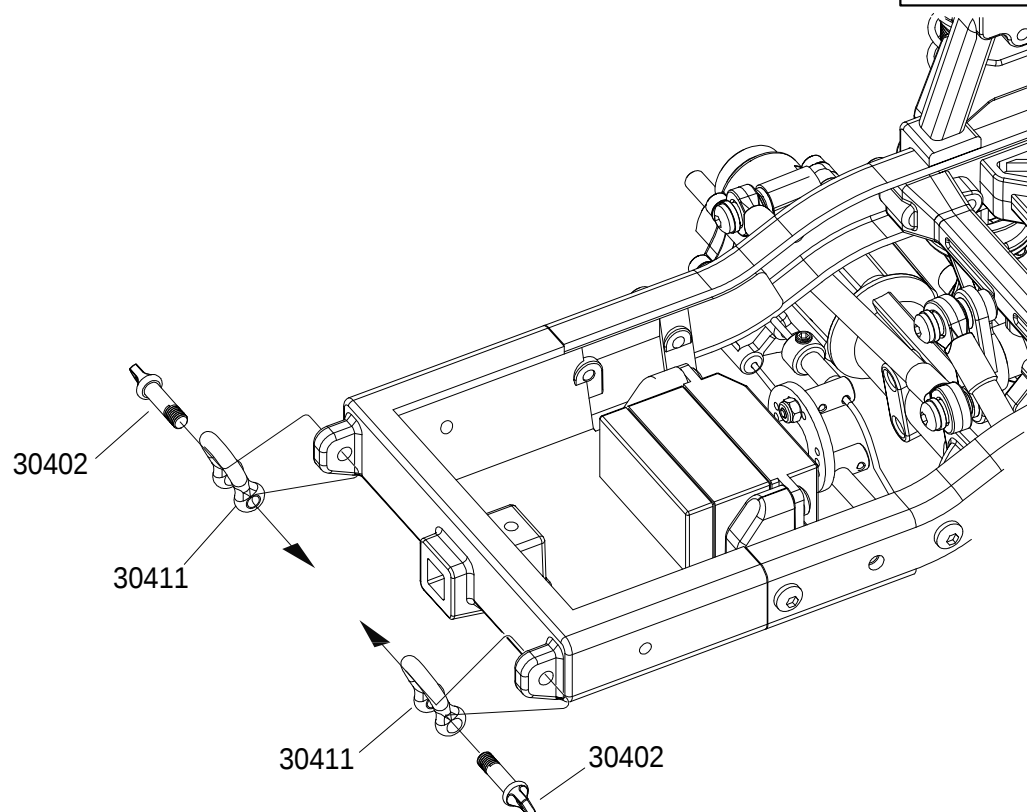
EMOXL

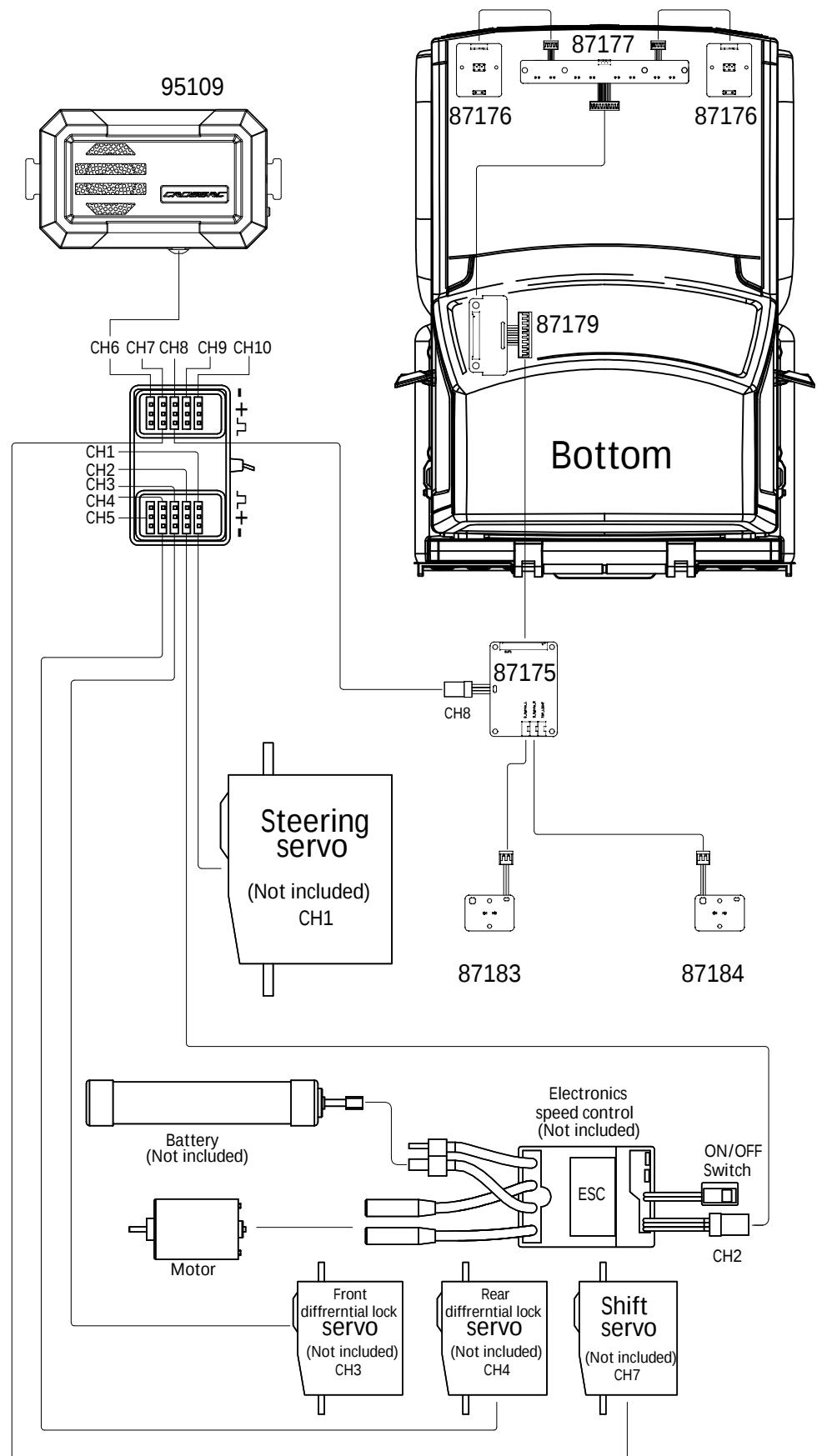
- 11303  M3x8 X4
- 11211  M3x18 X2



52

EMOXL

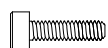




EMOXL

54

11125



M2.5x10 X4

95109

11238 X2

11206

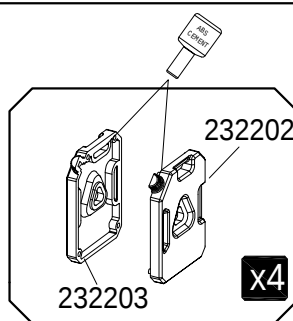


M3x8 X5

11238



M3x8x10 X2



232202

232203

x4

234803

234803

234803

11125 X2

234803

11215 X2

234803

11206 X5

55

EMOXL

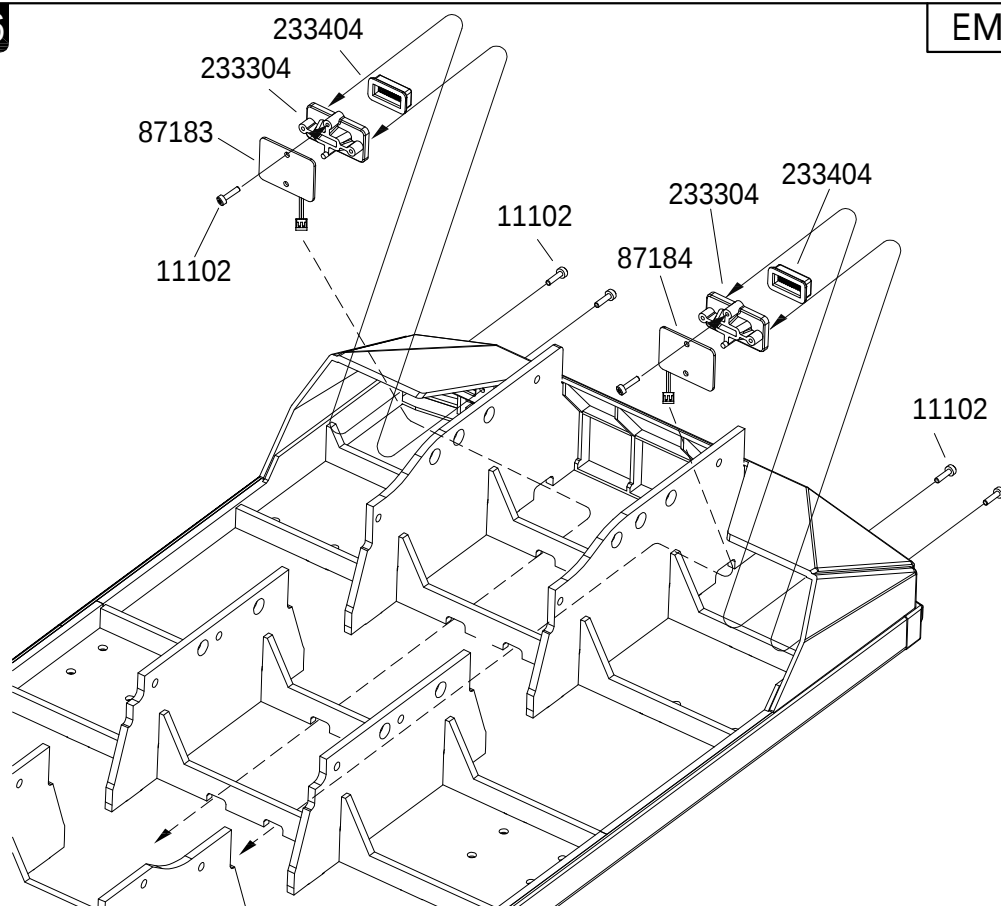
73119

73119

56

EMOXL

11102 
M2x6 X6



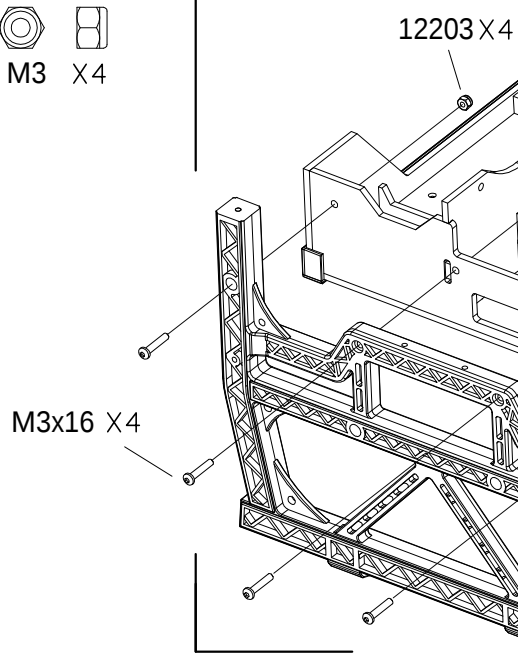
57

EMOXL

11210 
M3x16 X4

12203

 
M3 X4

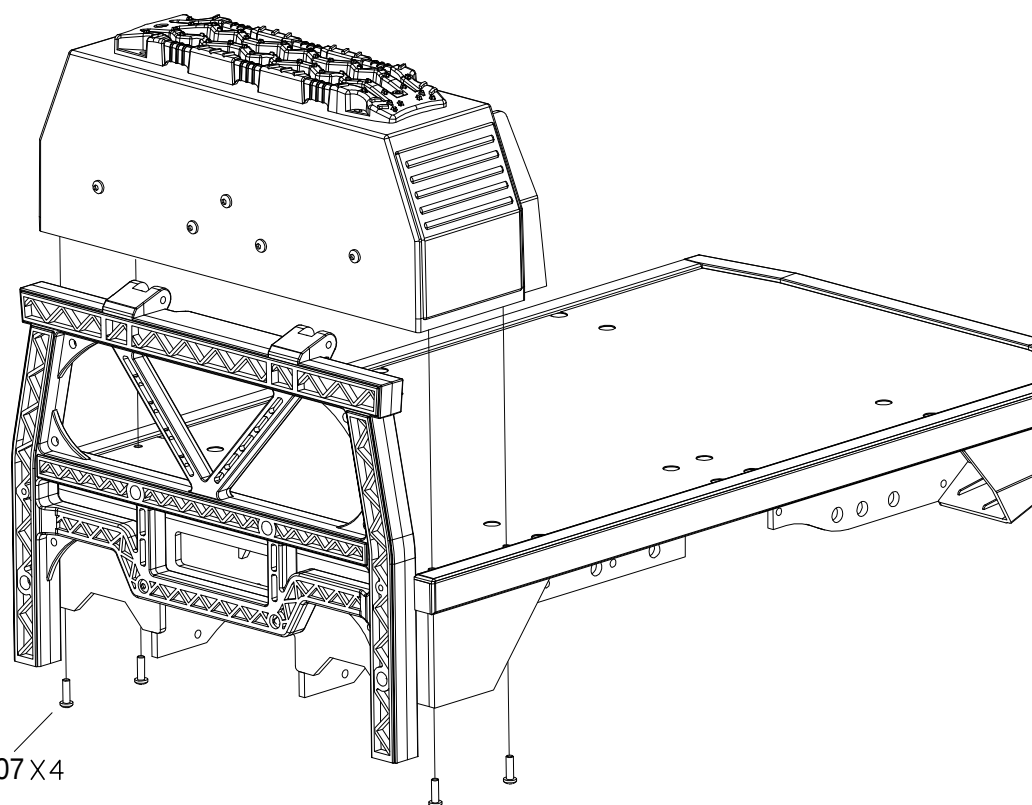


58

EMOXL

11207 
M3x10x4

11207 X4

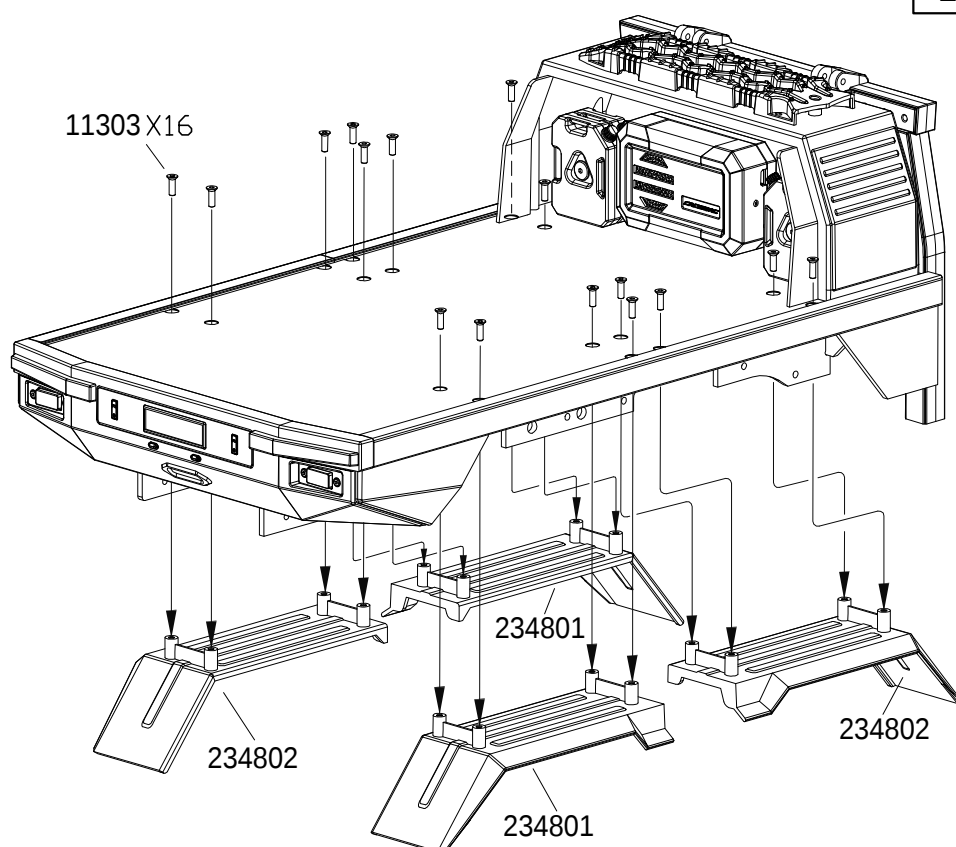


59

EMOXL

11303 
M3x8x16

11303 X16

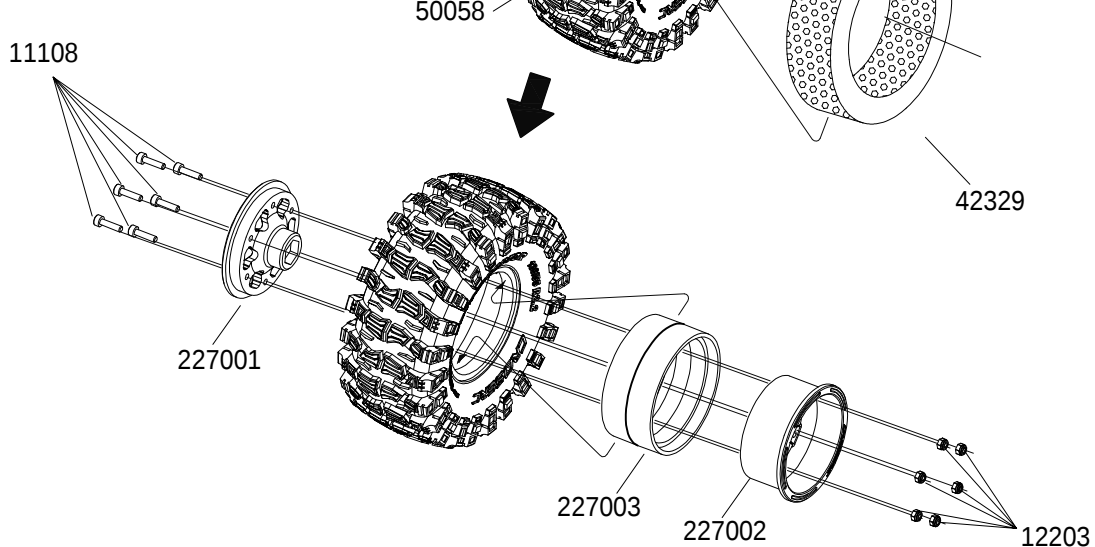


60

EMOXL

11108 
M3x12 X36

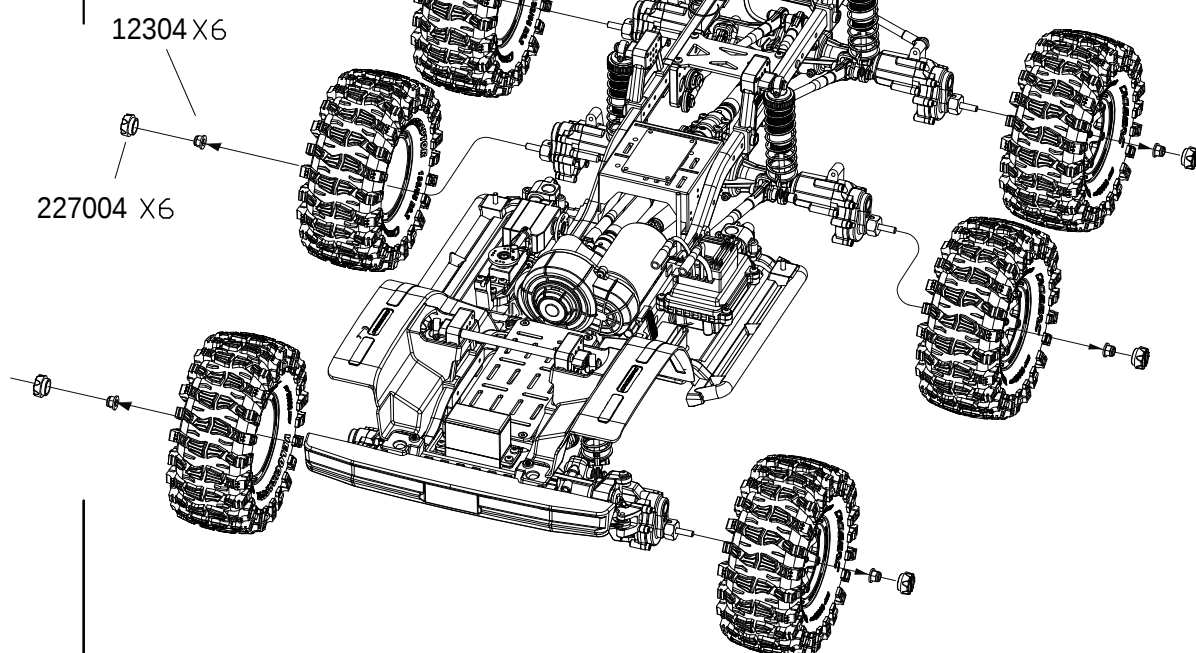
12203  
M3X36



61

EMOXL

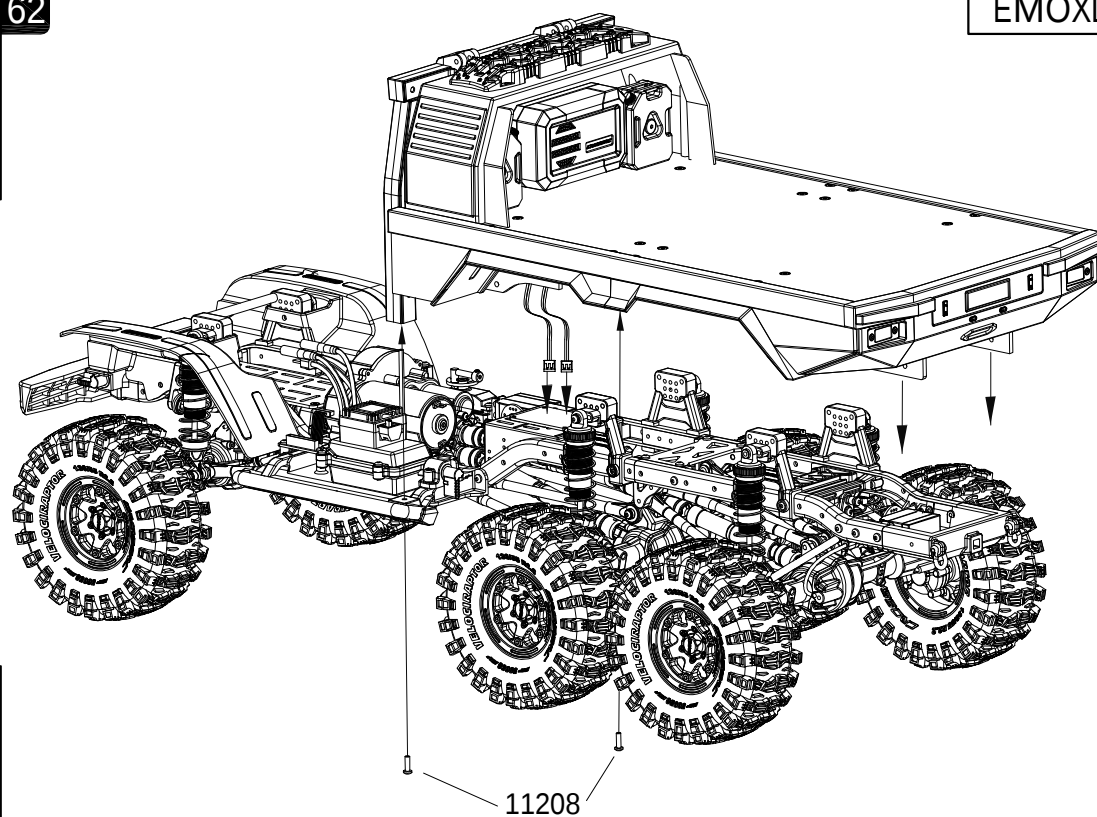
12304  
M4 X6



62

EMOXL

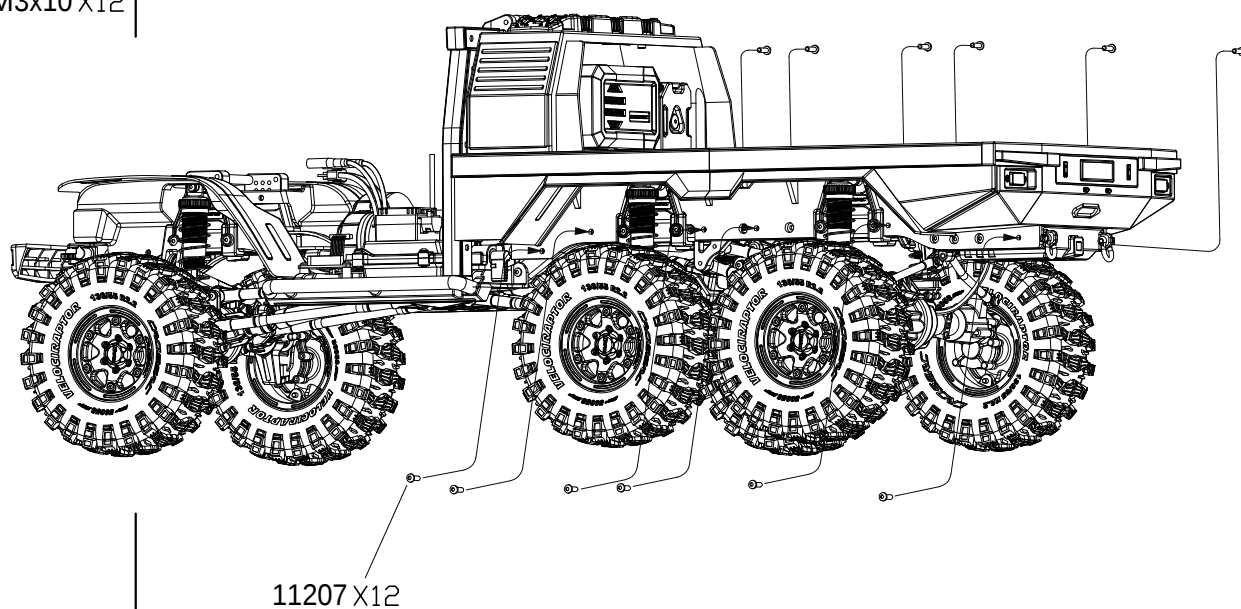
11208 
M3x12 X2



63

EMOXL

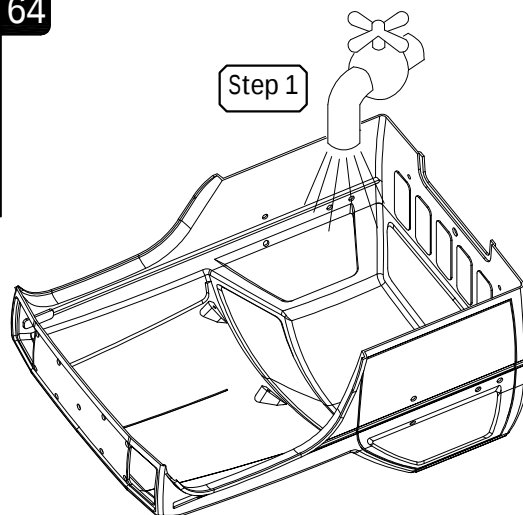
11207 
M3x10 X12



64

EMOXL

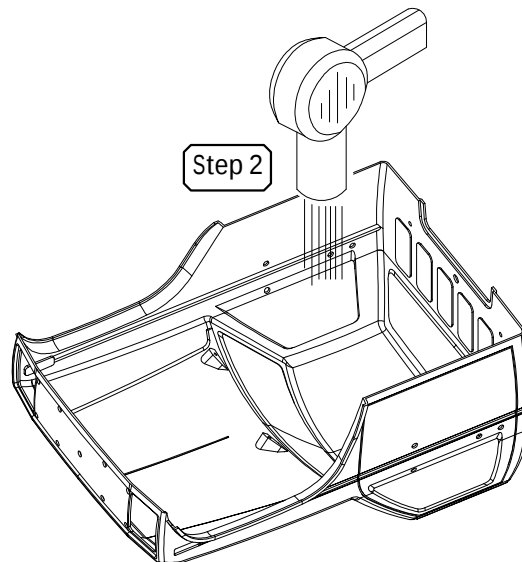
Step 1



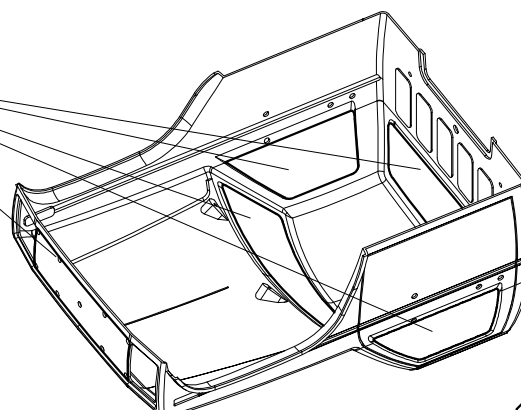
Wash the inside of the body shell with mild detergent, then rinse and dry thoroughly.

237001

Step 2

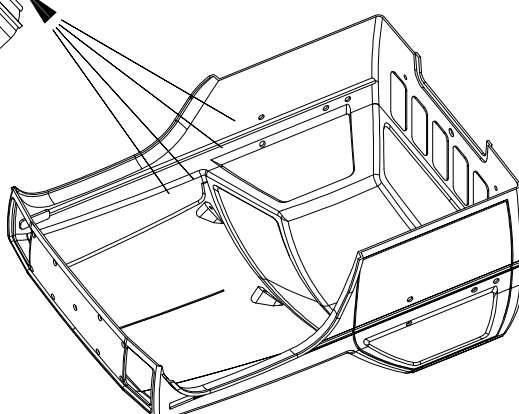
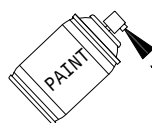


85278



Step 3

Mask the windows on the inside with masking tape.



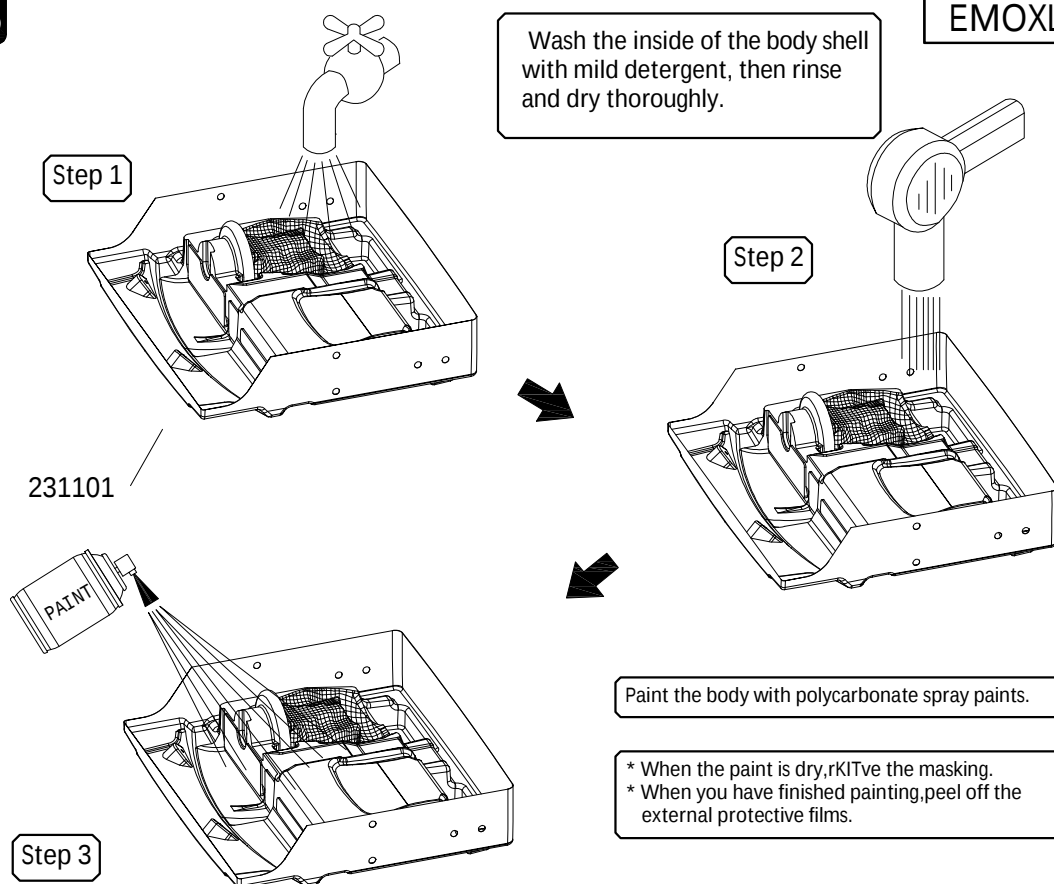
Step 4

Paint the body with polycarbonate spray paints.

* When the paint is dry, remove the masking.
* When you have finished painting, peel off the external protective films.

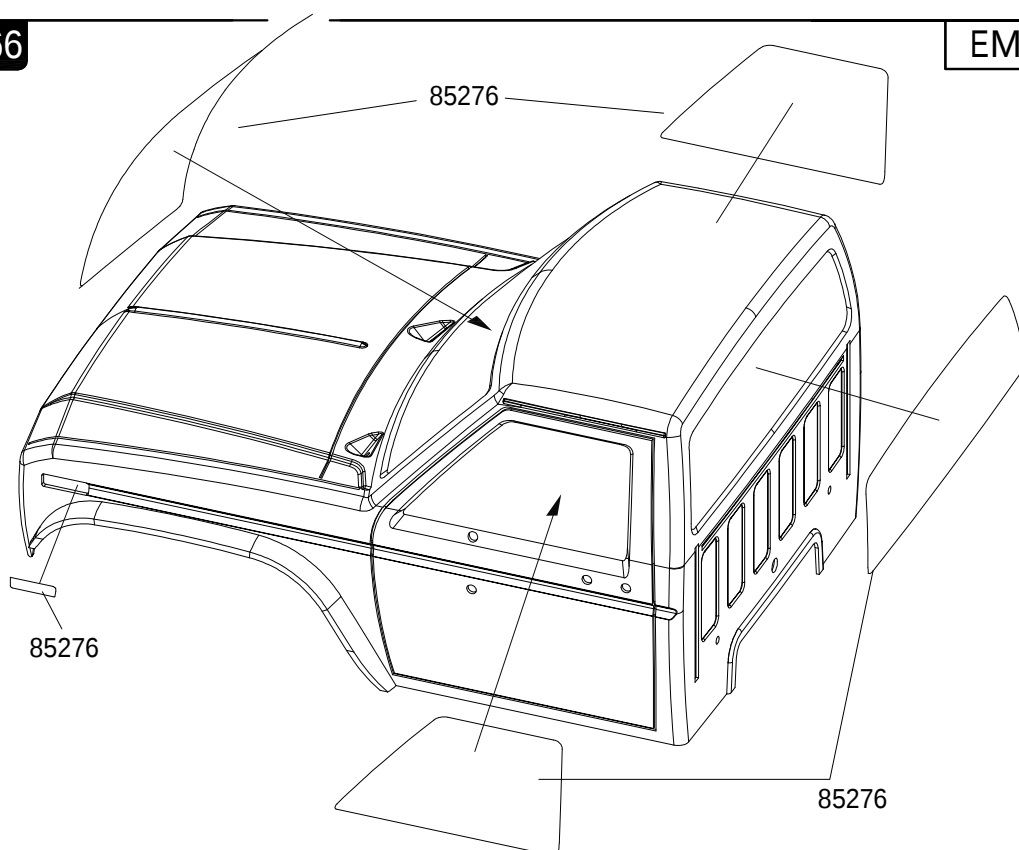
65

EMOXL



66

EMOXL



67

EMOXL

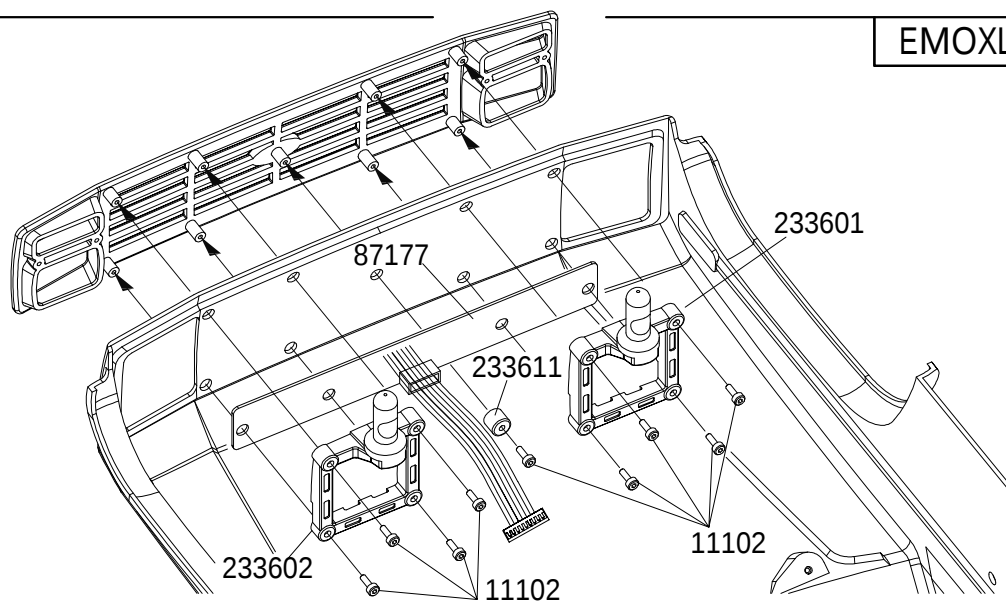
233301

42332

68

EMOXL

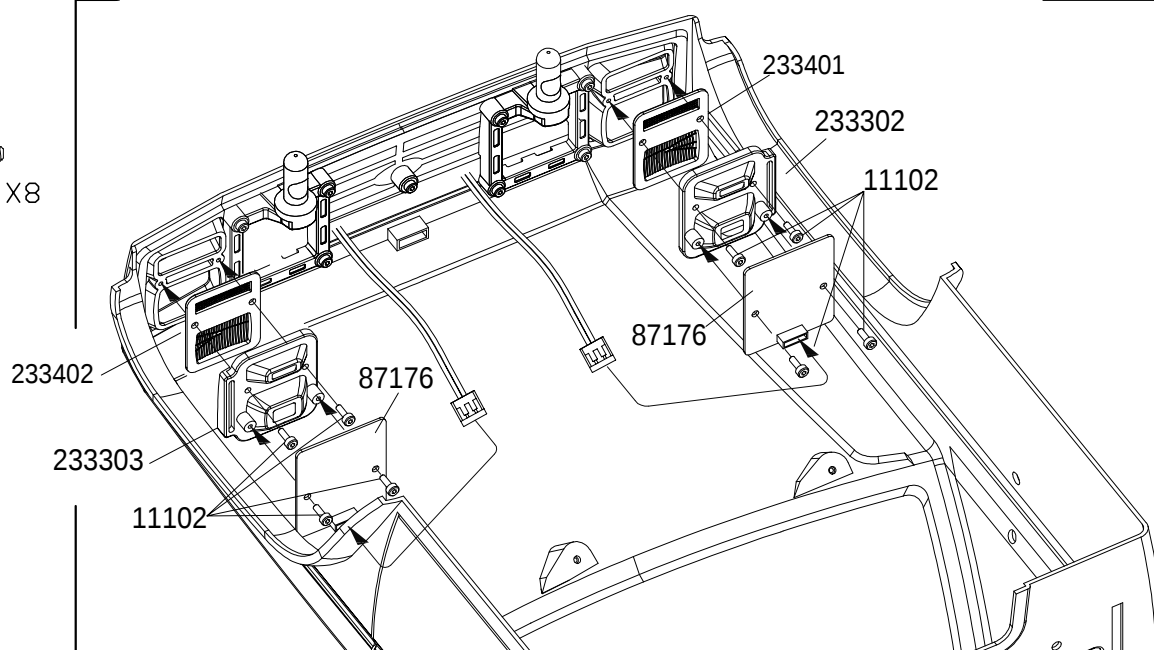
11102 
M2x6 X9



69

EMOXL

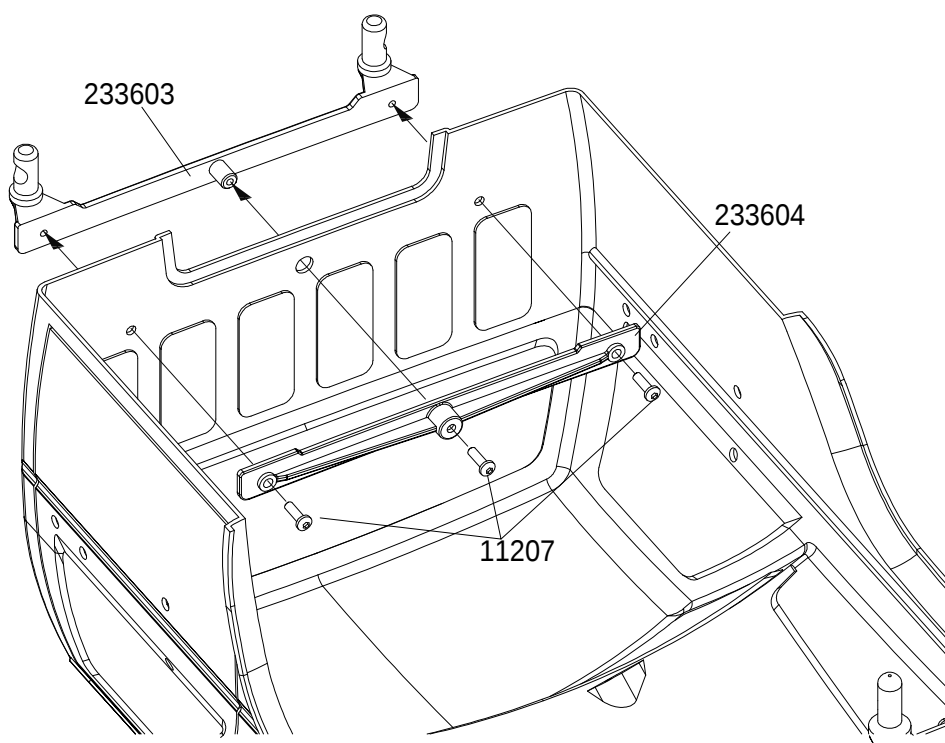
11102 
M2x6 X8



70

EMOXL

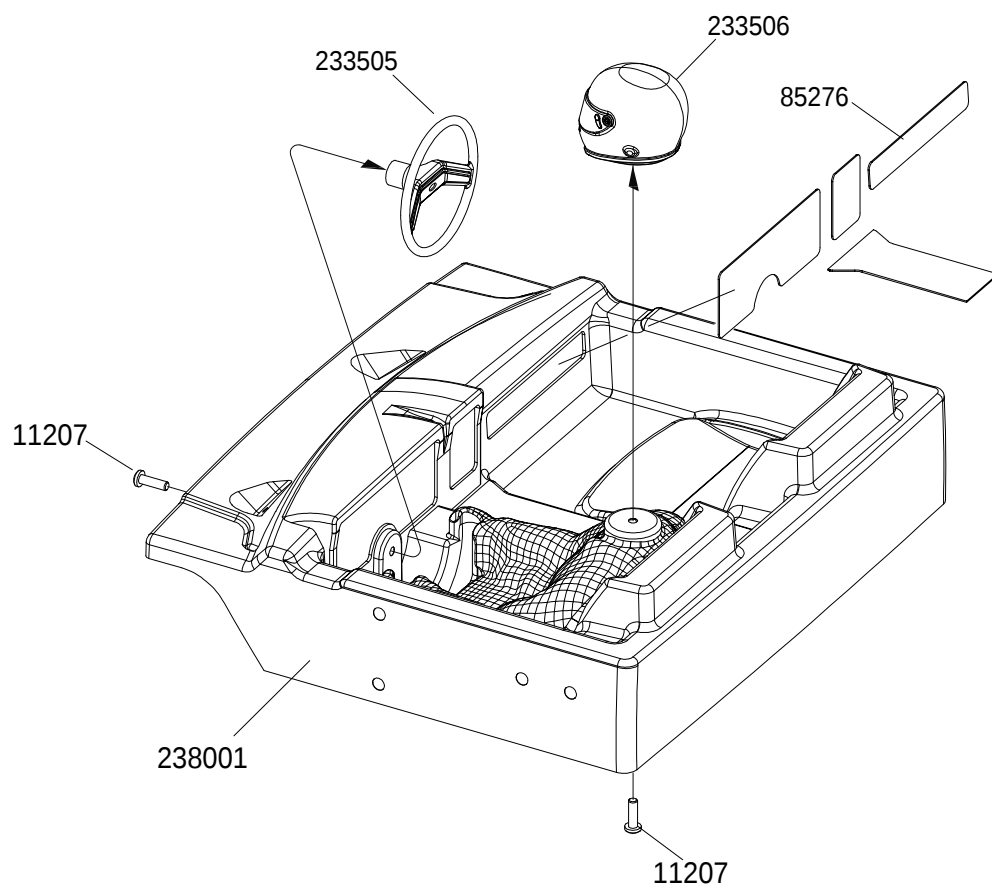
11207 
M3x10x3



71

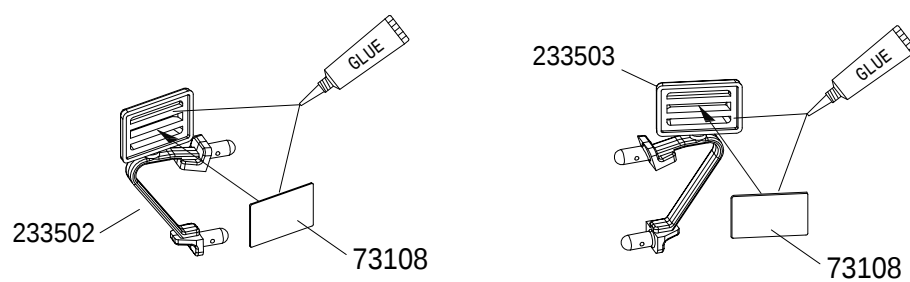
EMOXL

11207 
M3x10x2



72

EMOXL



73

EMOXL

11102  M2x6 X2

 94015 X8

