

# F190

1/8 SCALE FORMULA 1

INSTRUCTION  
MANUAL



**EP** ELECTRIC  
POWERED

**SERPENT**

① ② ③

番号順に組み立てます。



組み立て後の長さ。



線で結ばれた部品を組みます。



囲まれた部品群を初めに組みます。



矢印の向きに部品を移動します。



矢印の部分と接着します。



線で結ばれた部品を圧入、もしくは挿入します。



囲まれた部品同志をつなぎます。



2 部品間の距離。



注意！組み立て前にチェックします。



瞬間接着剤を使用します。



組み立ての詳細、もしくは初めに組みます。



デフォルトセットアップ。初期位置



グリスを適量塗布します。



シリコングリスを適量塗布します。



左右同様に組み立てます。



ねじロック剤を適量塗布します。



シリコンオイルを適量塗布します。



キットに含まれないパーツ。

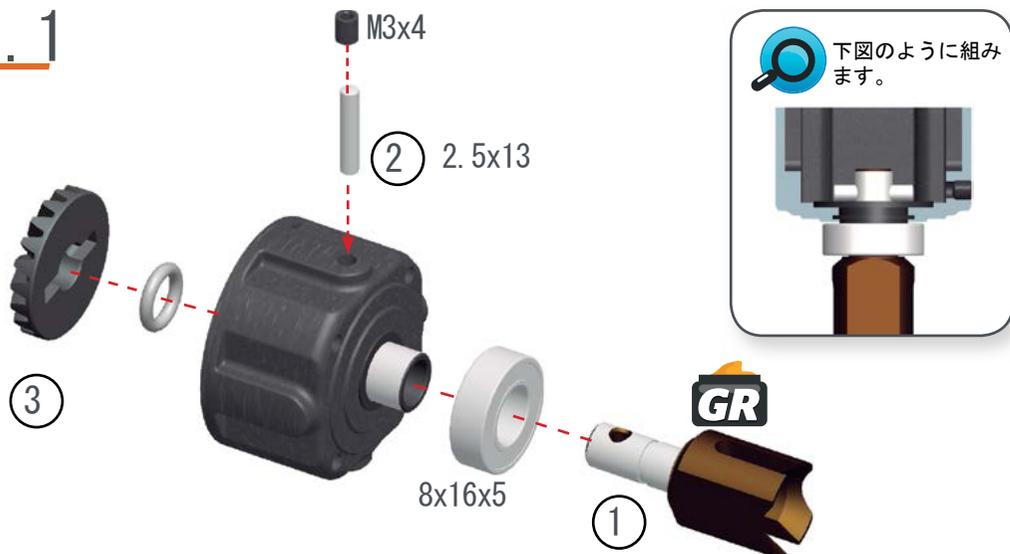


オプションパーツ、標準でキットに含まれないパーツ。

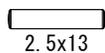
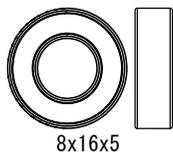
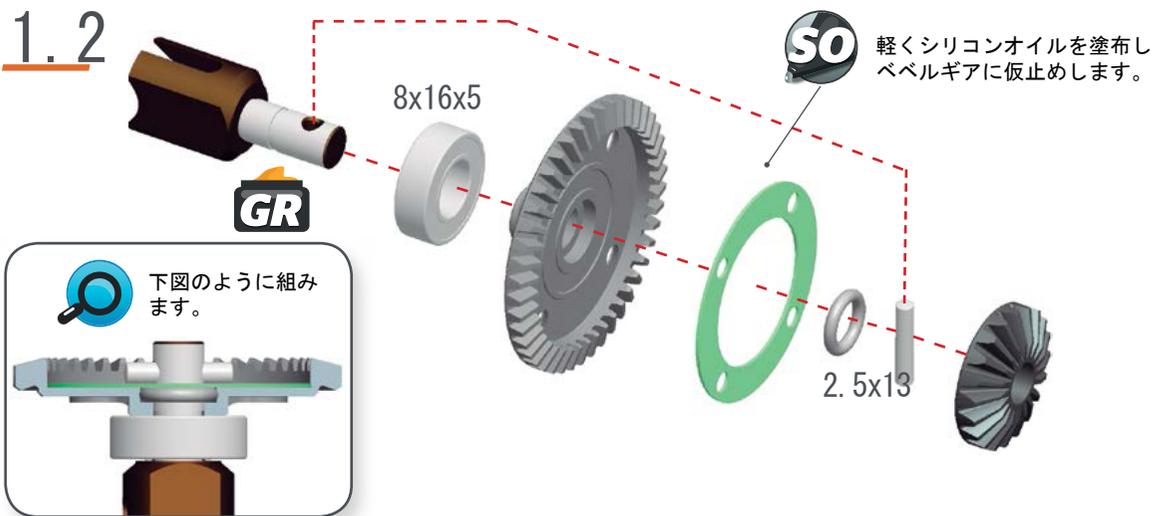
STEP 1

DIFF BAG

1.1



1.2



STEP 2

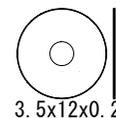
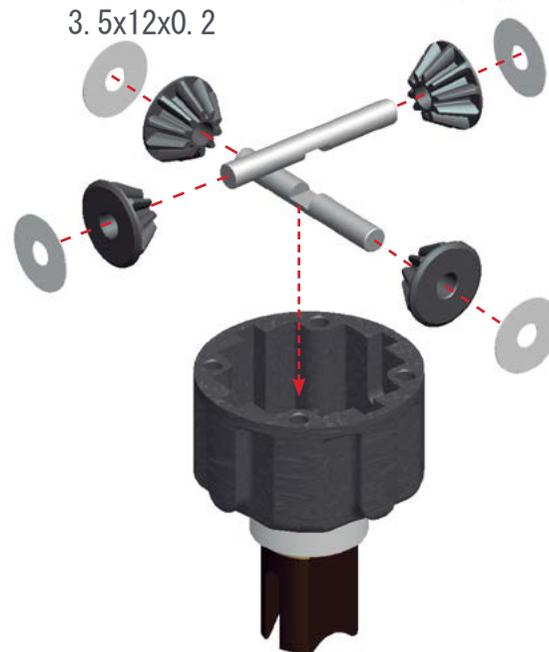
2.1

ケースに小ベベルを入れる前に、大ベベルギアを覆うくらいのオイルを先にいれておきます。

オイルキットに付属のものをご使用下さい。

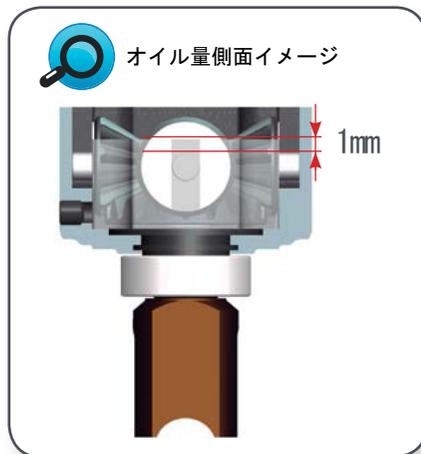
SO

2.2



# STEP 3

**!** クロスピン上面から上へ1mmの位置までオイルを入れます。  
入れすぎに注意して下さい。



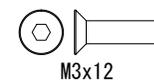
**🔍** オイル量

デジタルスケールを用いて、オイル量を  
約42.5g ~~45.7~~ 45.8gになるようにオイル量を調整します。

使用するオイルの銘柄により、重さが  
変わることがあります。

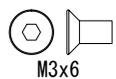
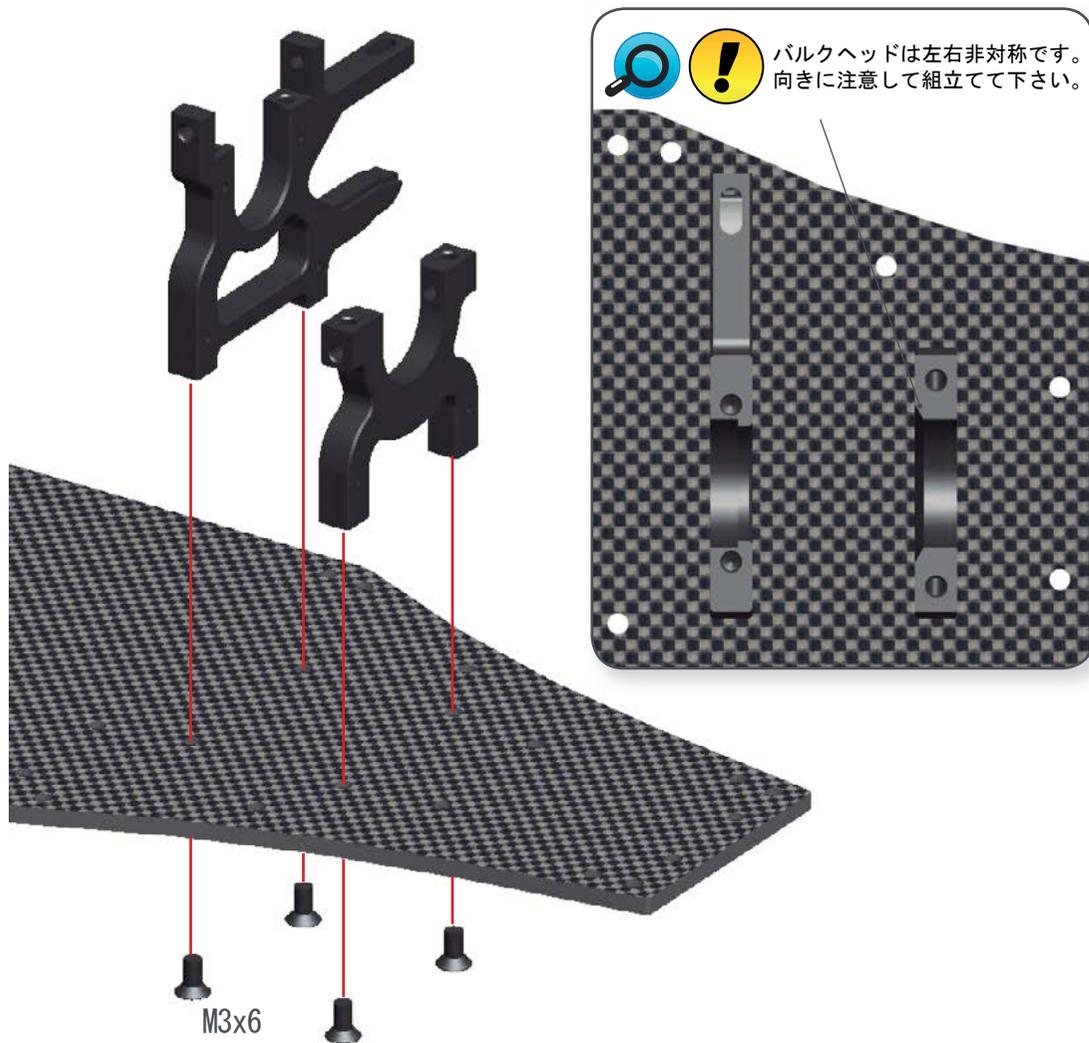


# STEP 4

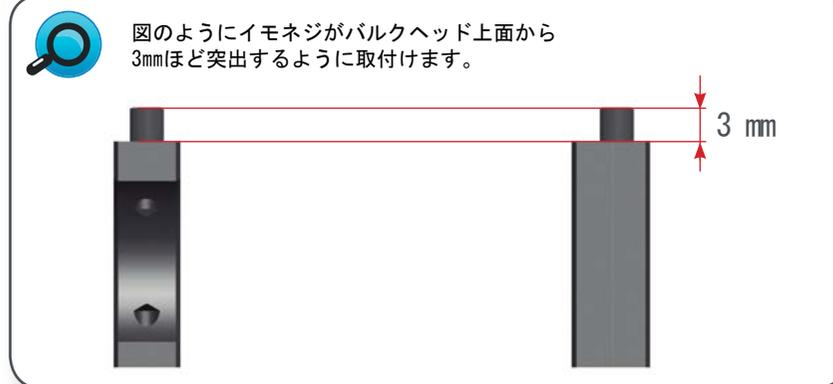


STEP 5

bag 1

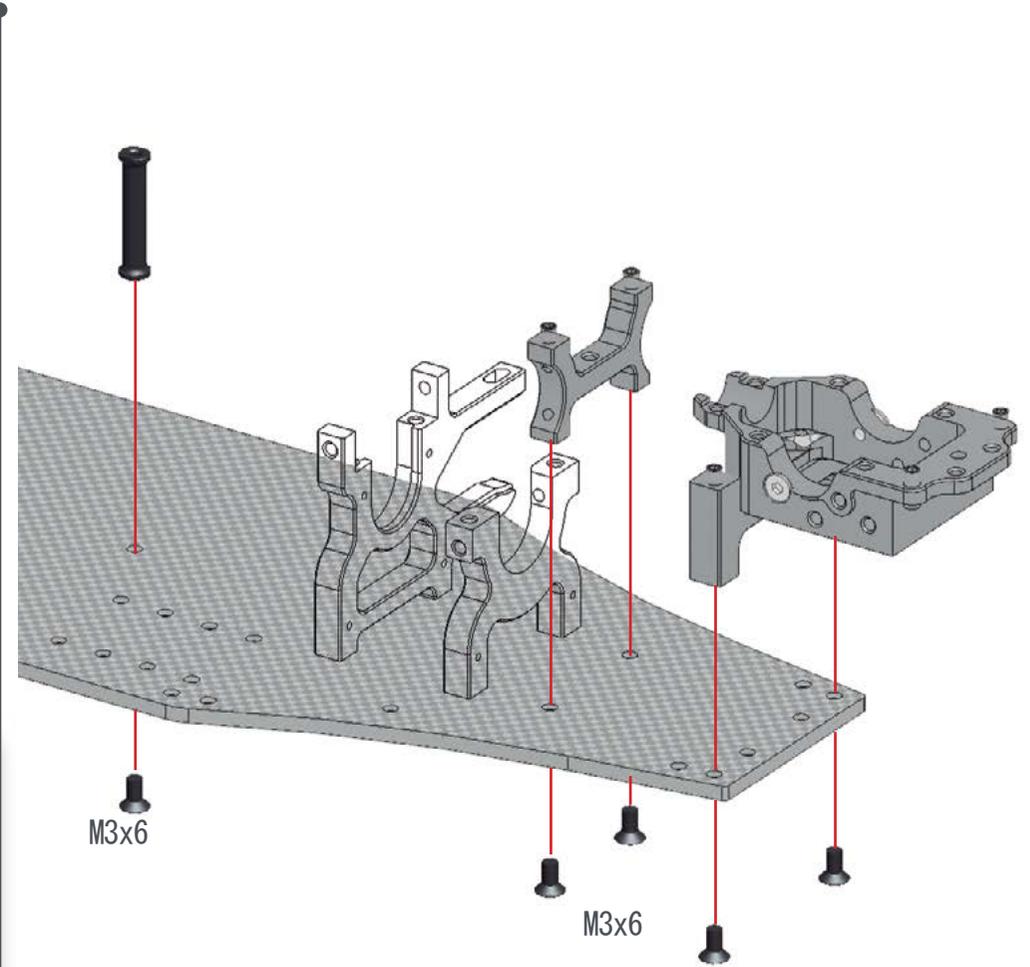
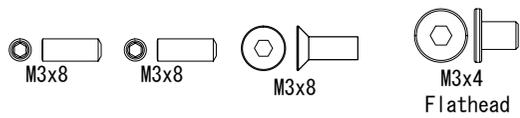
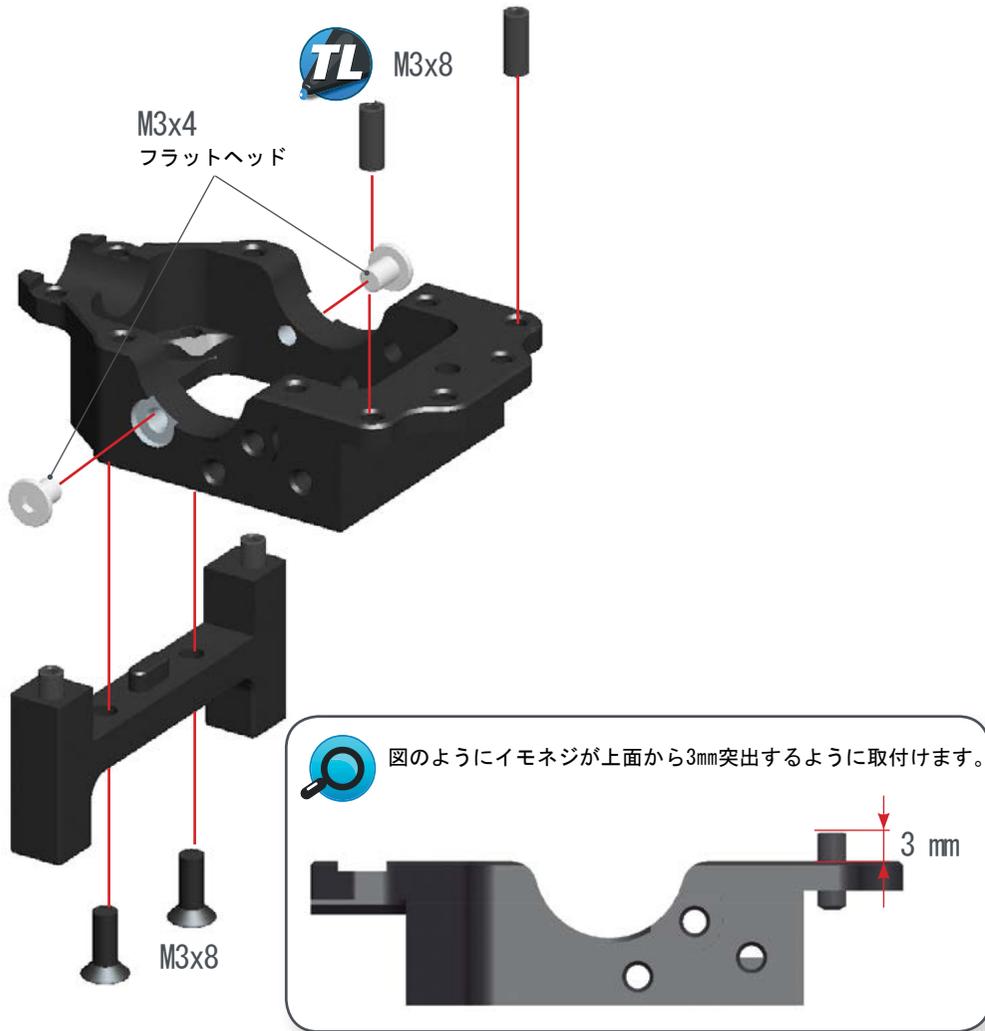


STEP 6



STEP 7

STEP 8



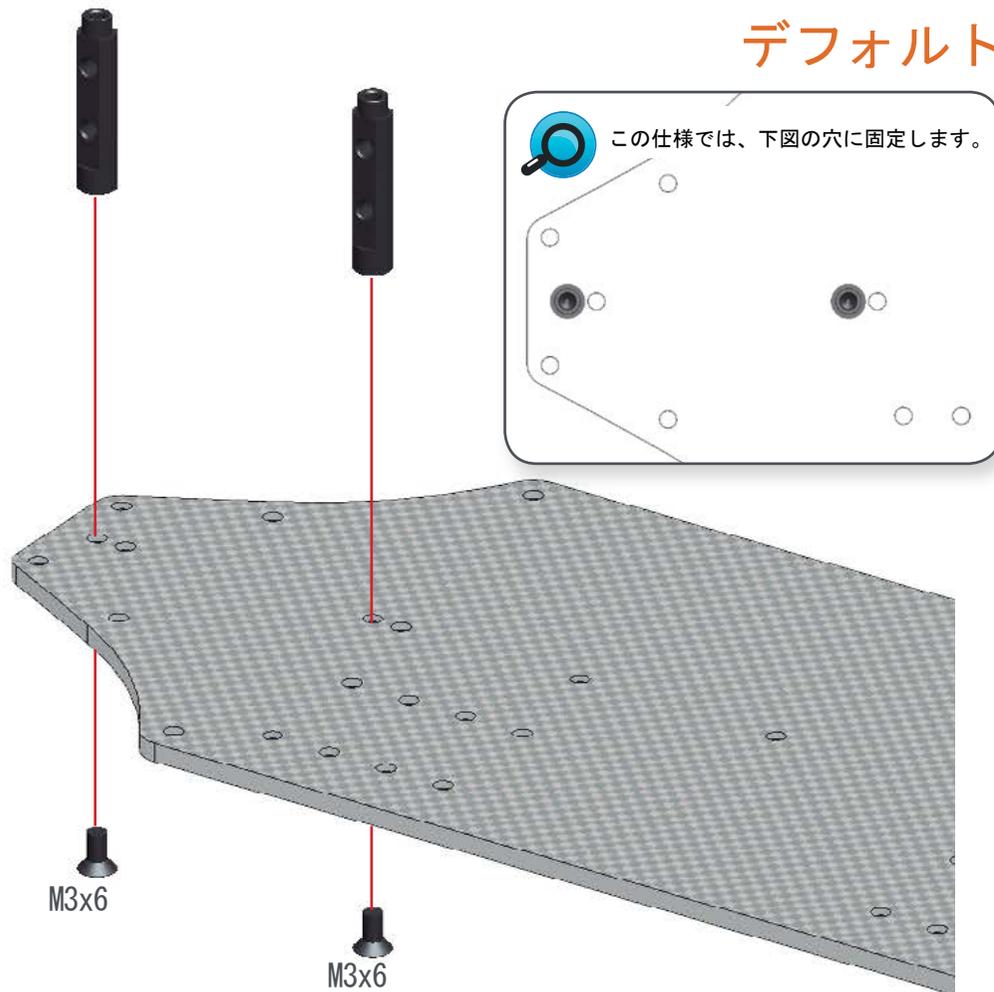
**STEP 9**



F190ではロープロサーボとスタンダードサイズサーボの2種類が使用できます。  
それぞれのサーボサイズにより搭載できるバッテリーサイズが変わります。

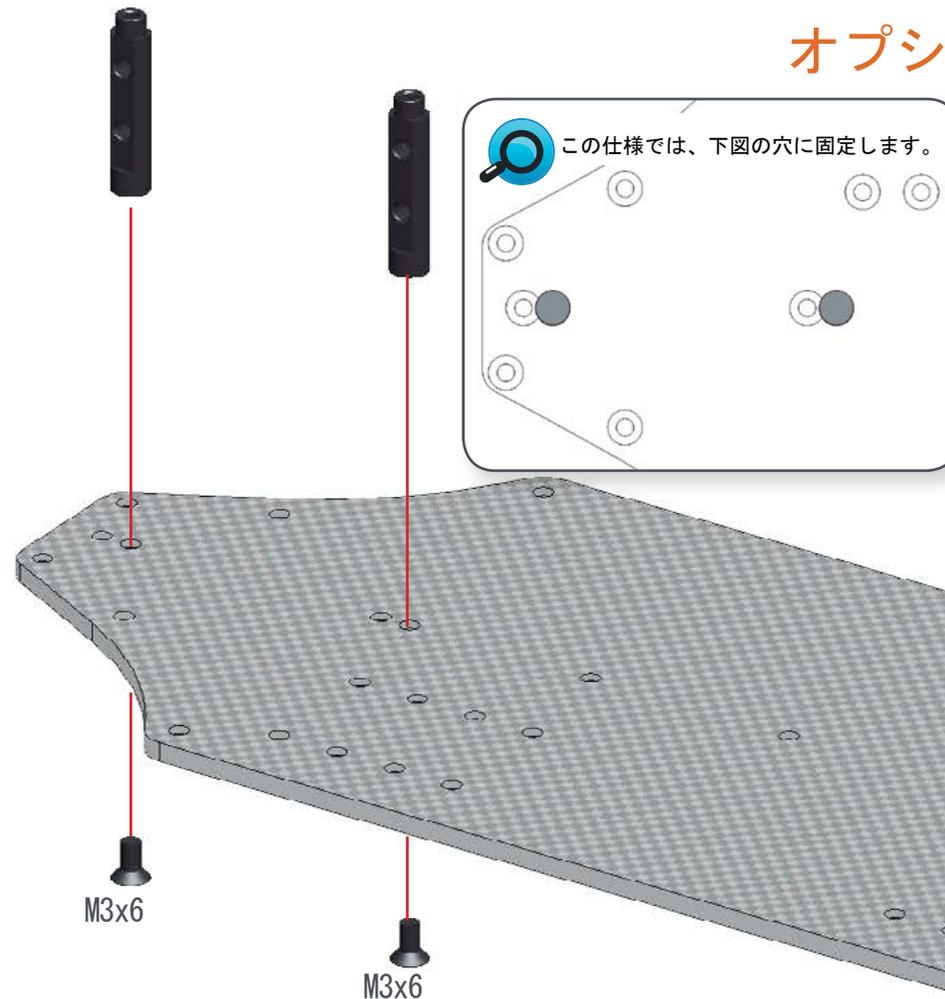
ロープロサーボ、スタンダードサイズ4Sバッテリーを使用する場合

**デフォルト**



スタンダードサーボ、2Sショートバッテリー2本を使用する場合

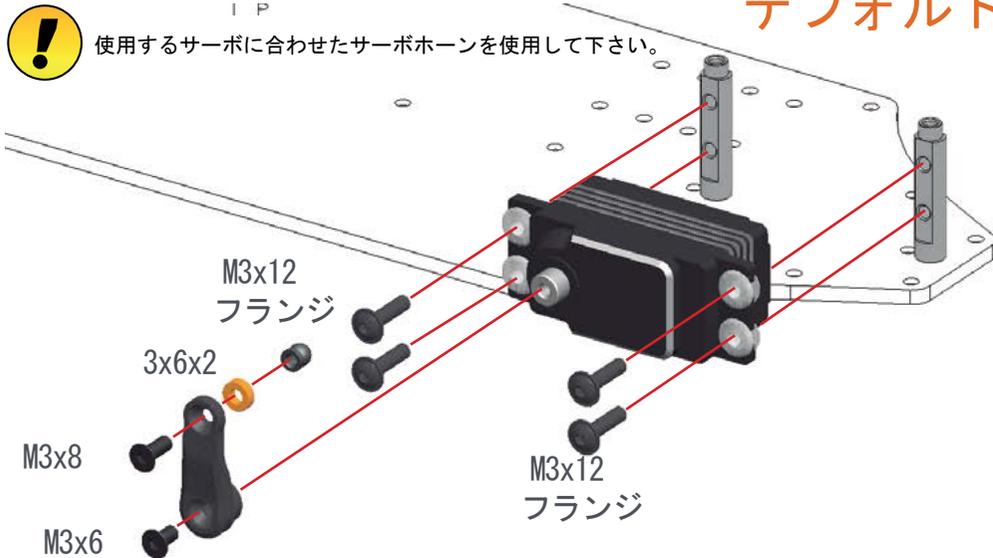
**オプション**



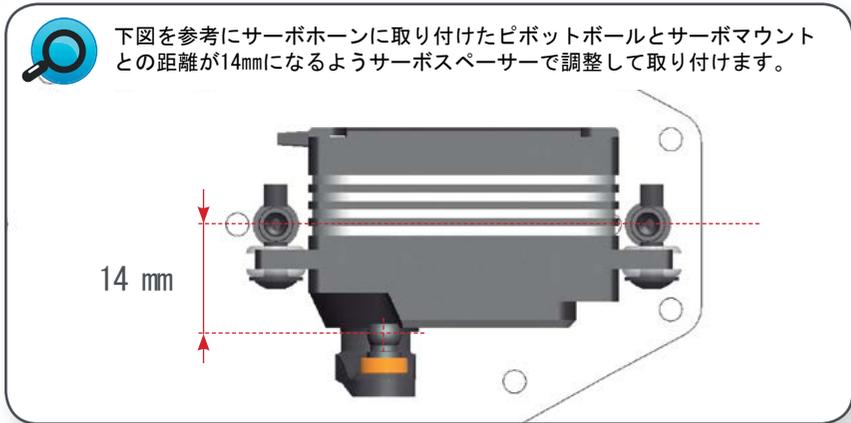
**STEP 10**

ロープロサーボ、スタンダードサイズ4Sバッテリーを使用する場合

**デフォルト**

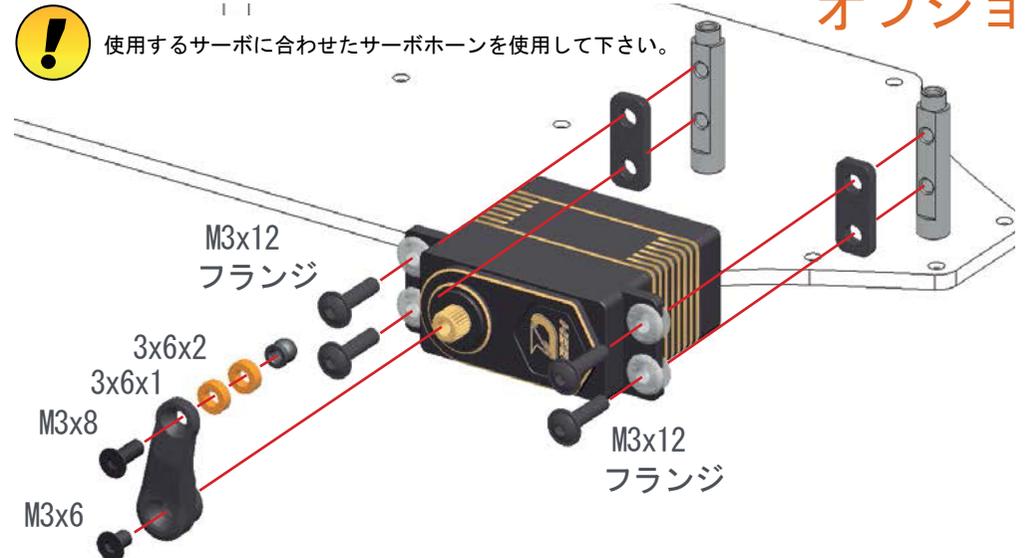


**!** 使用するサーボに合わせたサーボホーンを使用して下さい。

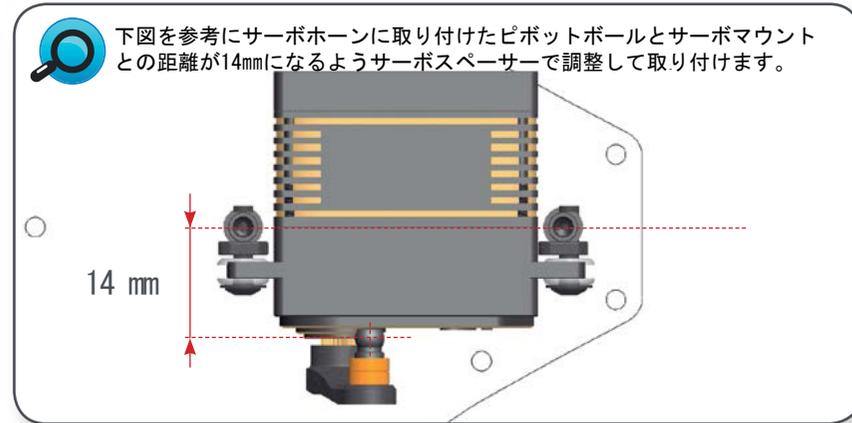


スタンダードサーボ、2Sショートバッテリー2本を使用する場合

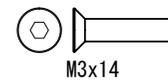
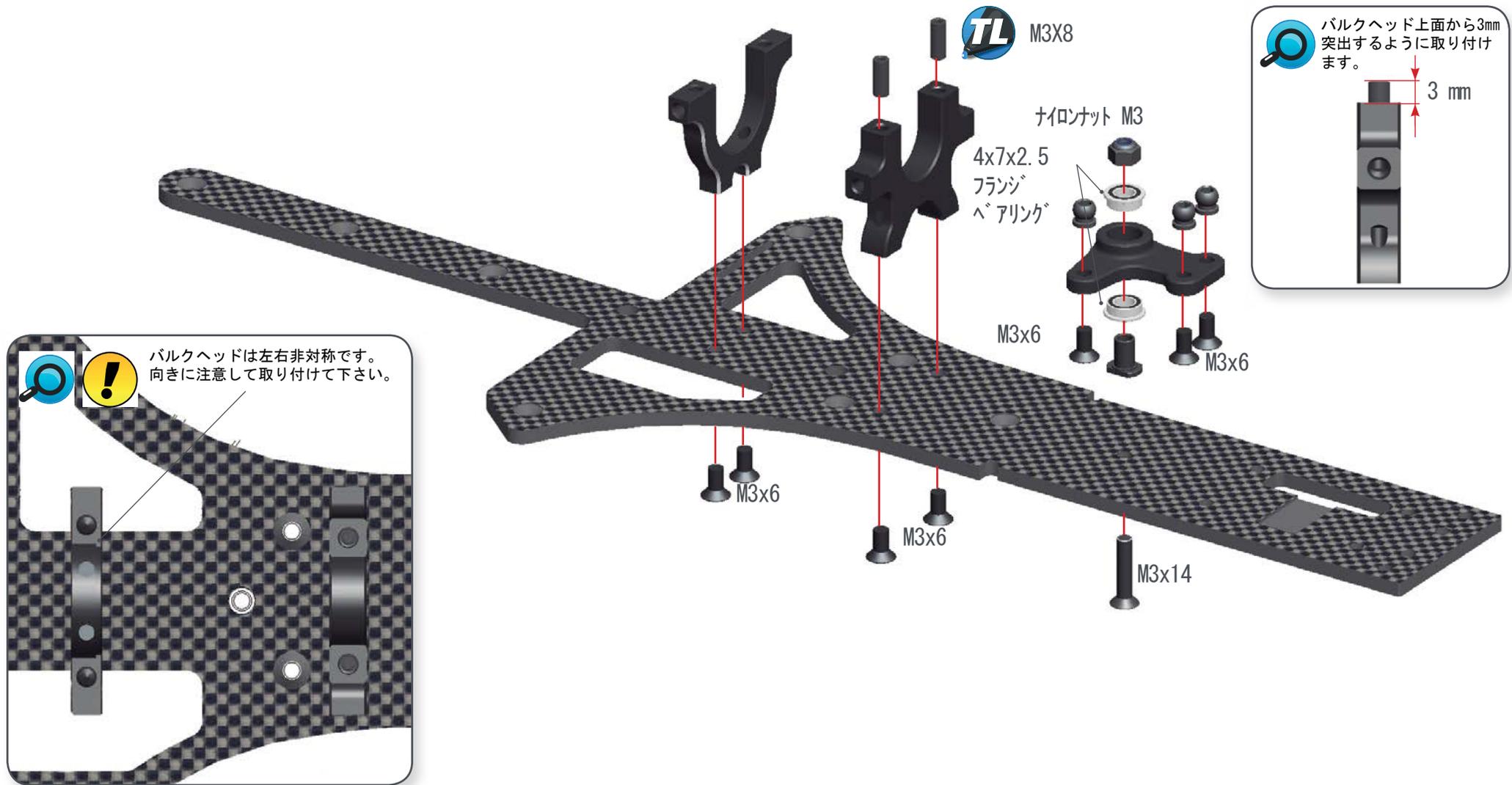
**オプション**



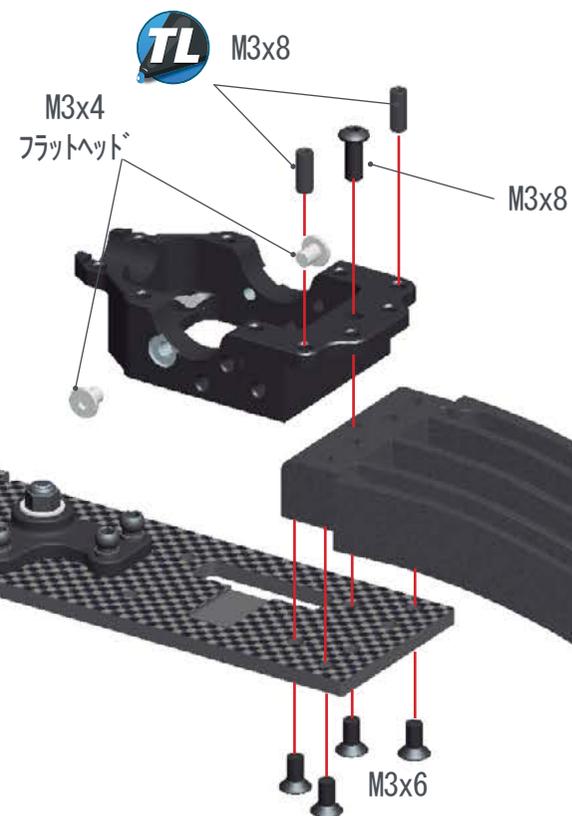
**!** 使用するサーボに合わせたサーボホーンを使用して下さい。



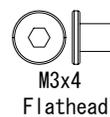
**STEP 11** bag 2



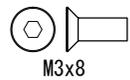
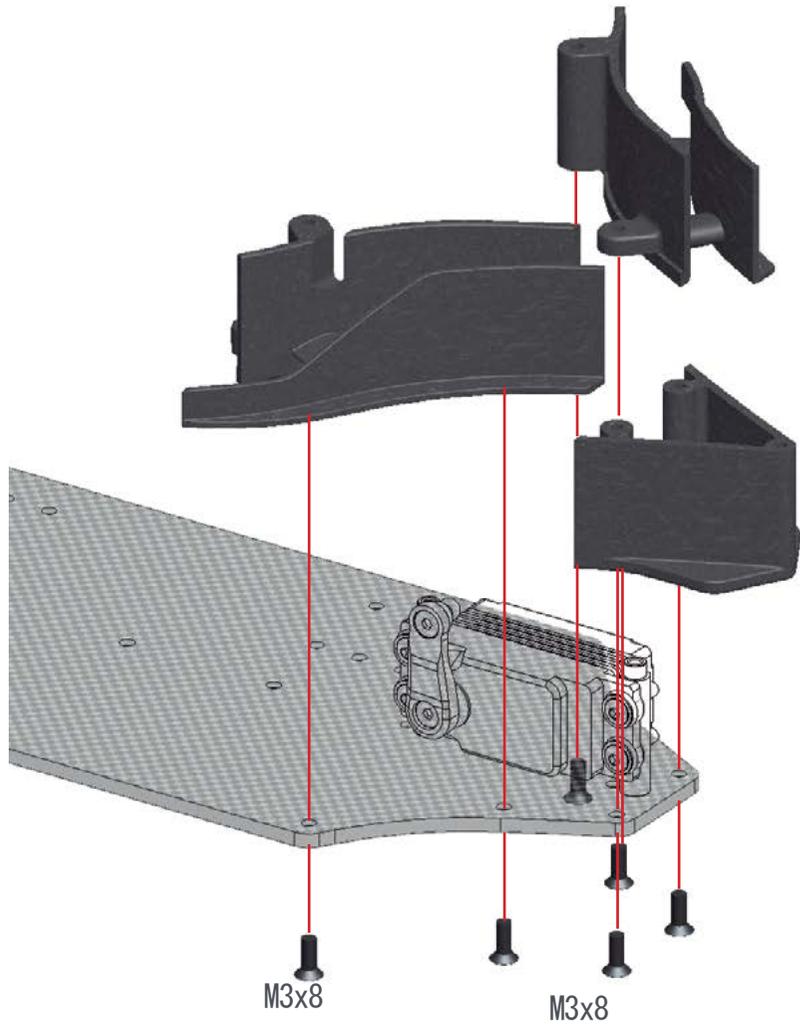
STEP 12



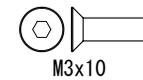
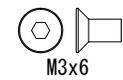
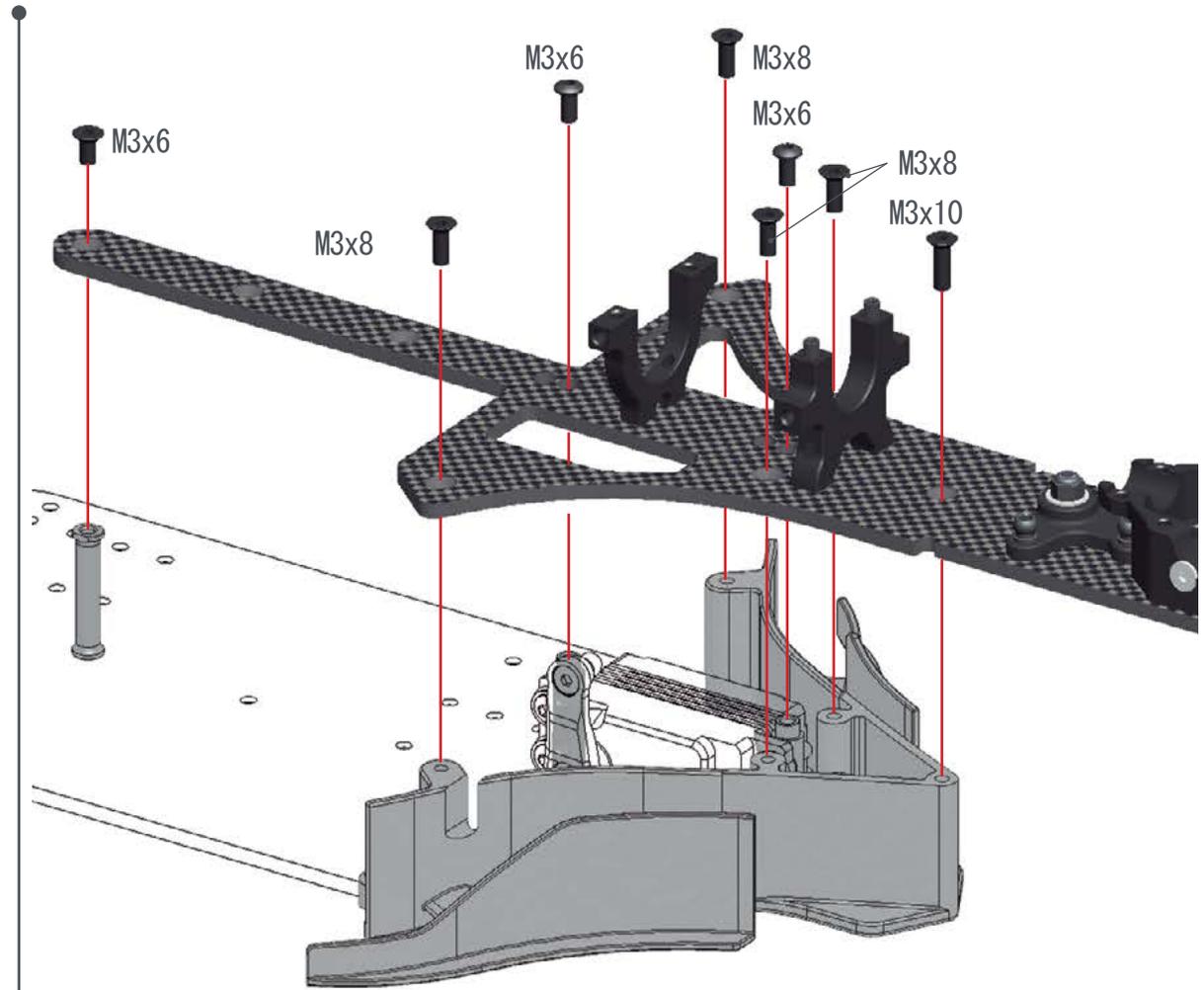
上面から5mm突出するようにイモネジを取り付けます。



**STEP 13**

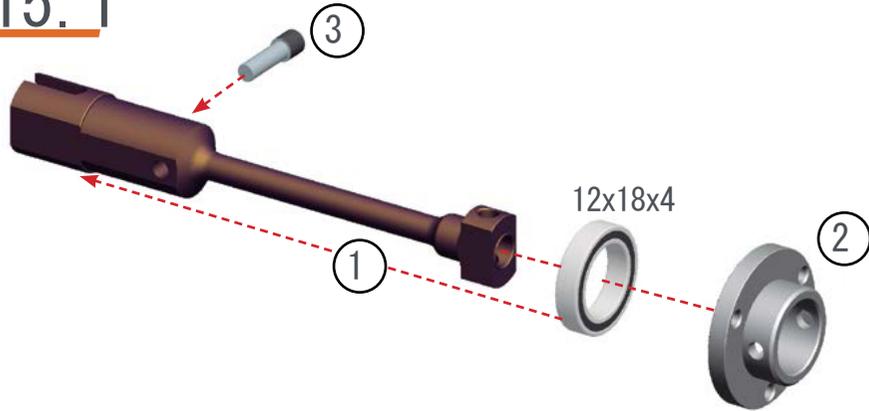


**STEP 14**

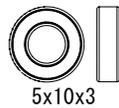
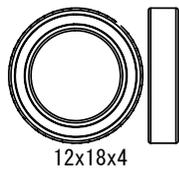
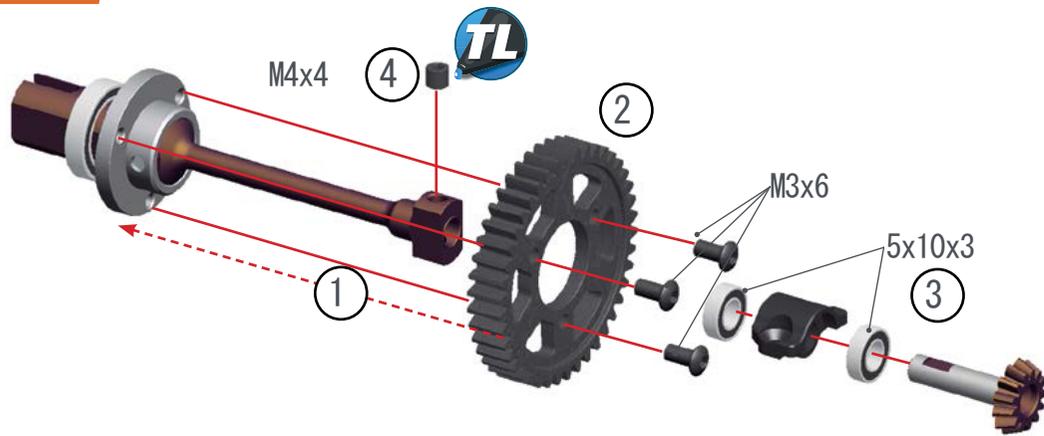


**STEP 15** bag 3

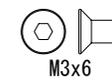
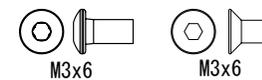
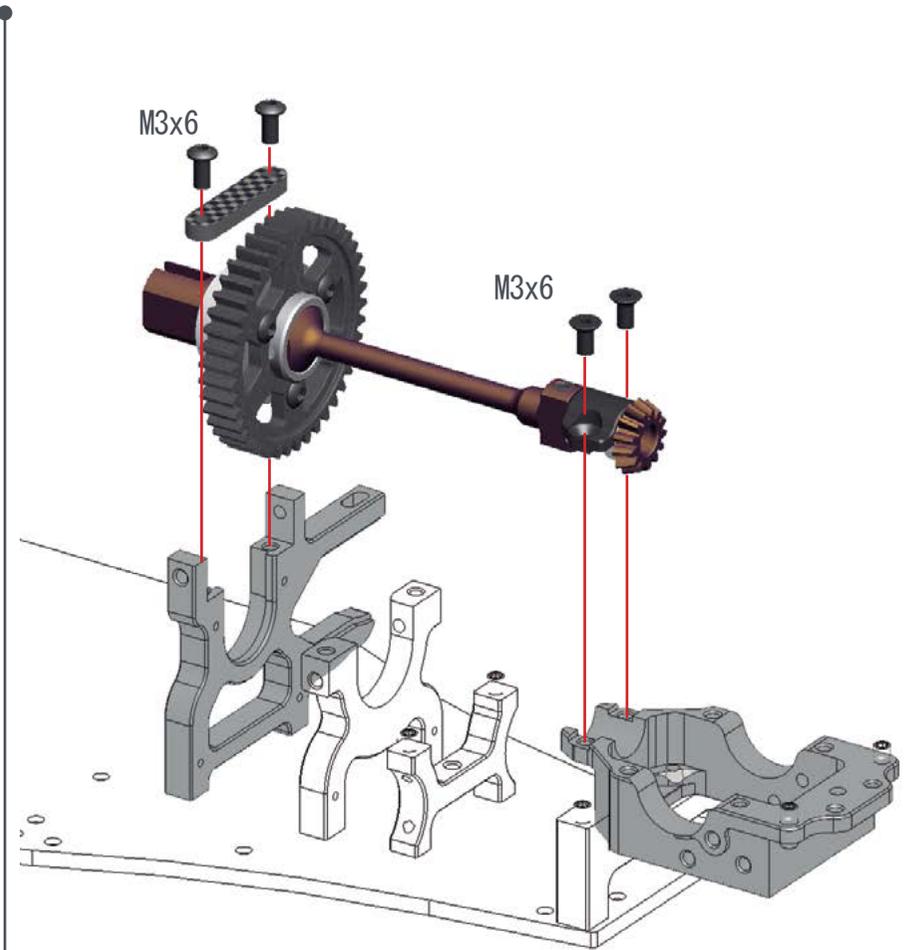
**15.1**



**15.2**

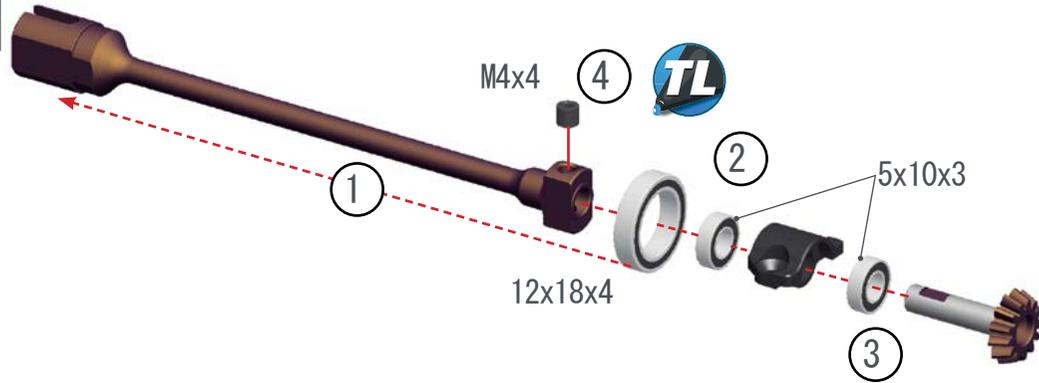


**STEP 16**

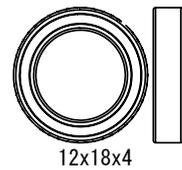
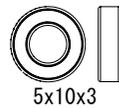
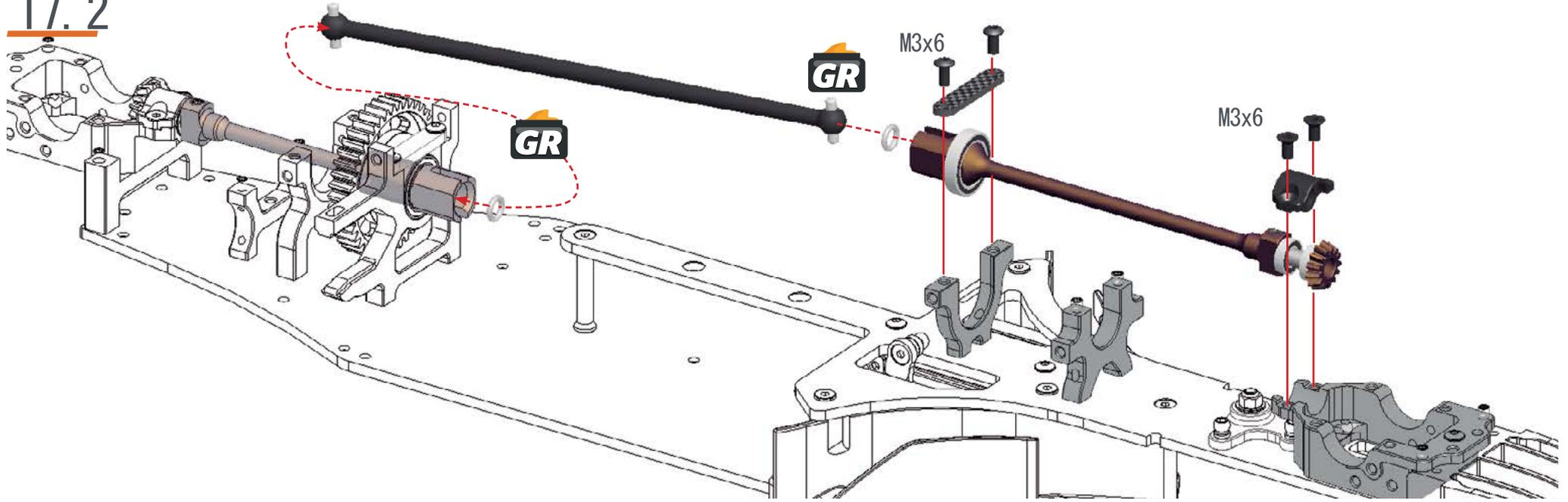


**STEP 17**

**17.1**

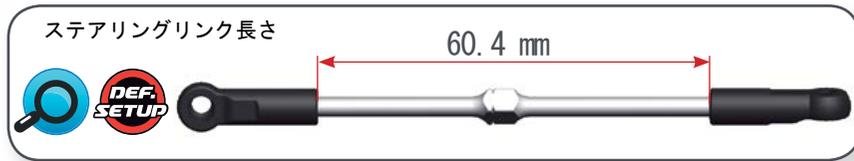


**17.2**

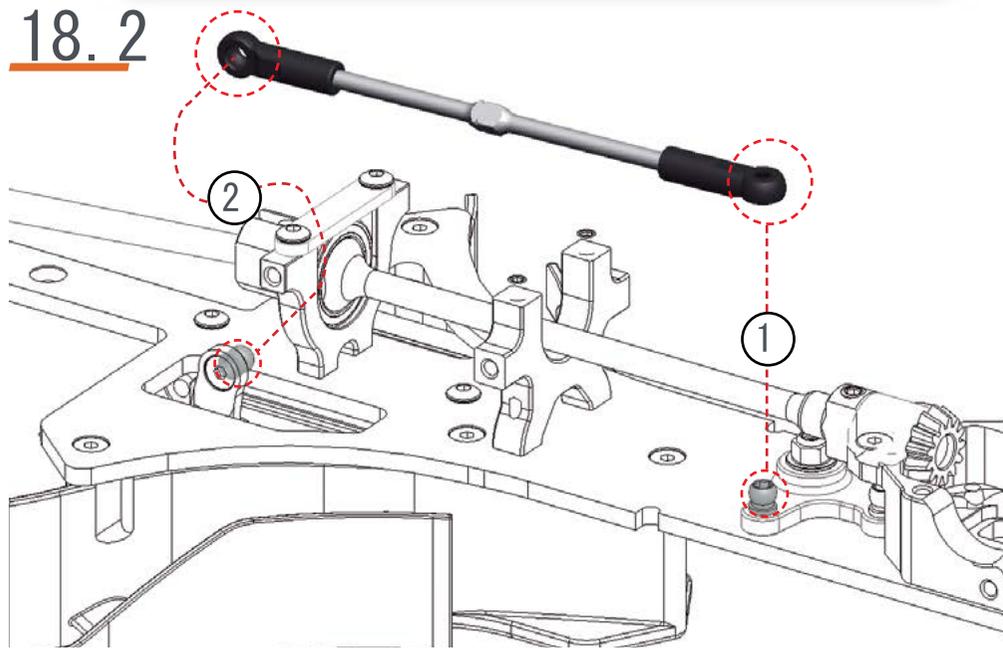


**STEP 18**

**18.1**



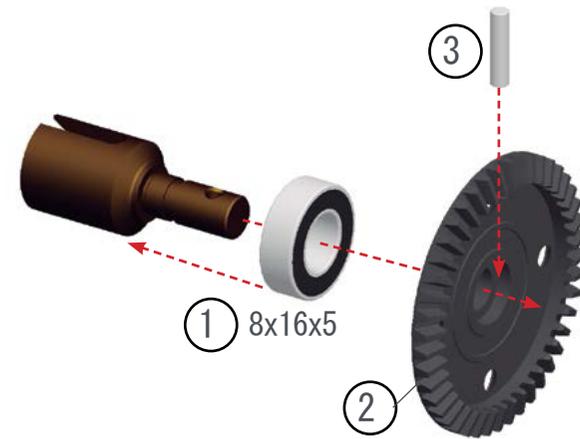
**18.2**



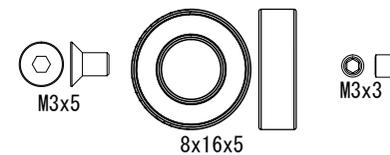
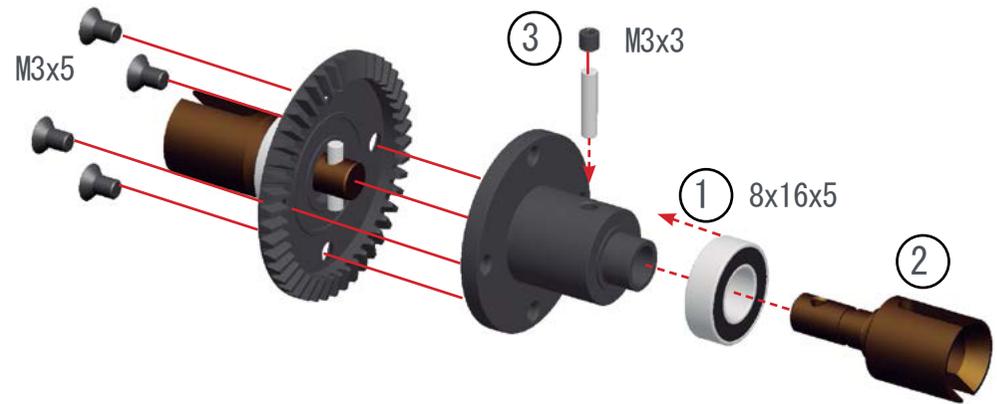
**STEP 19**

solid axle bag

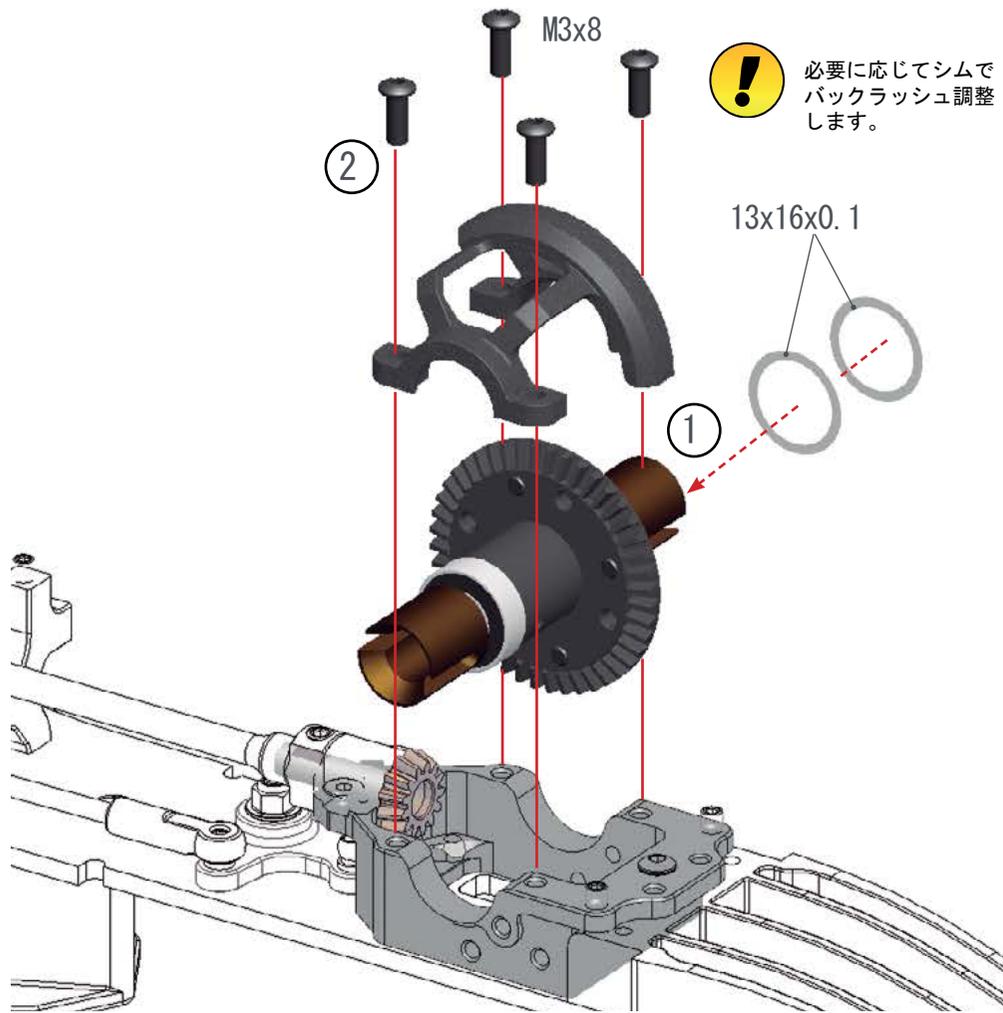
**19.1**



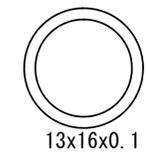
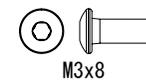
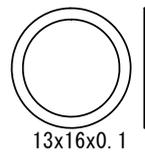
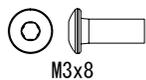
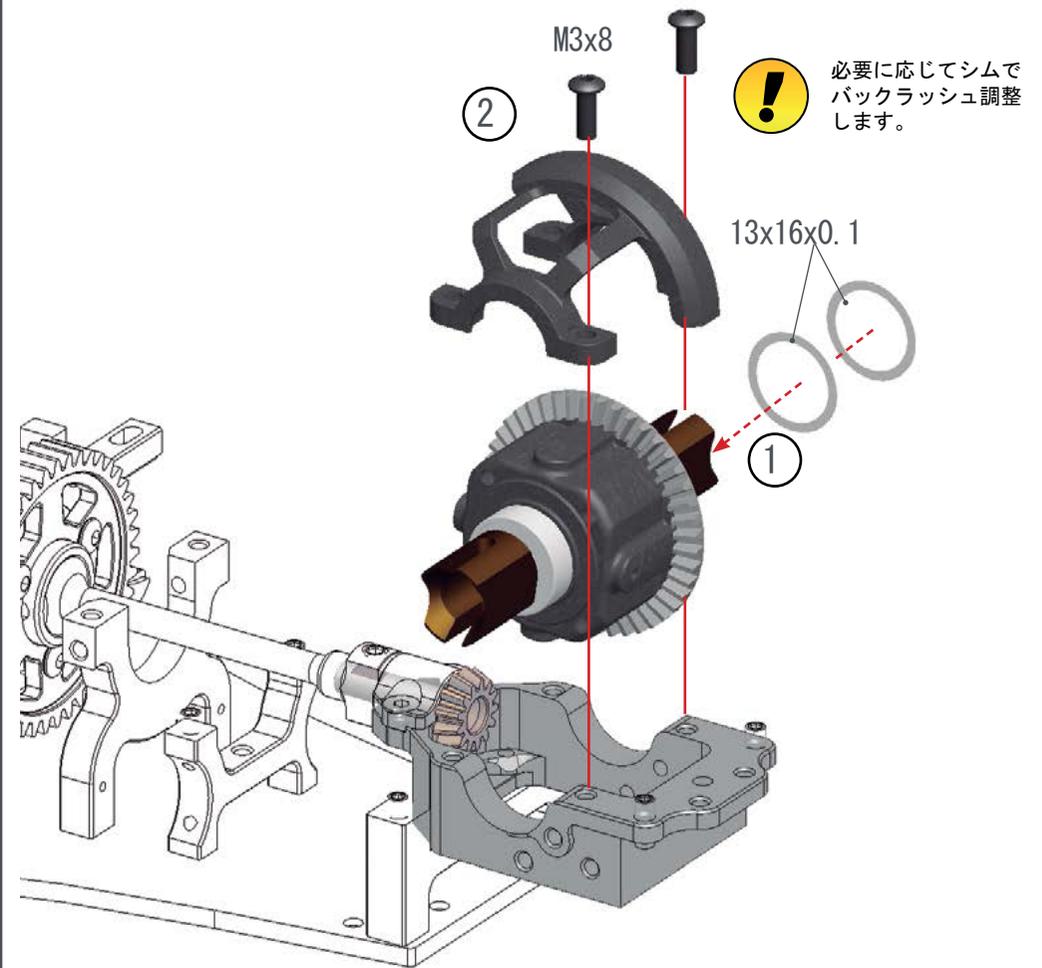
**19.2**



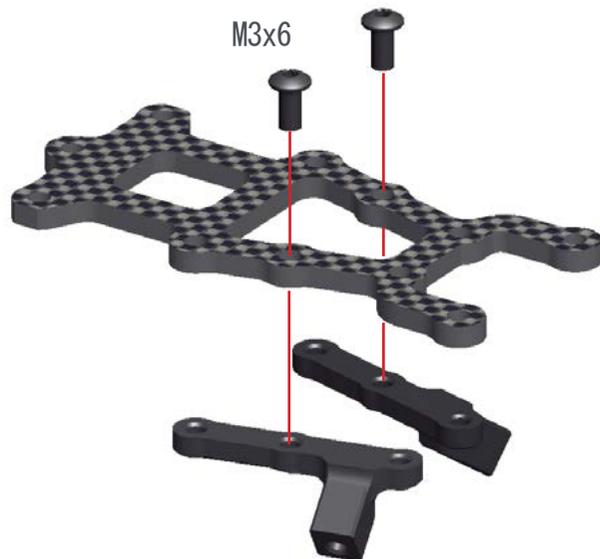
**STEP 20** bag 4



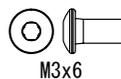
**STEP 21**



STEP 22

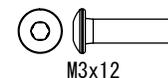
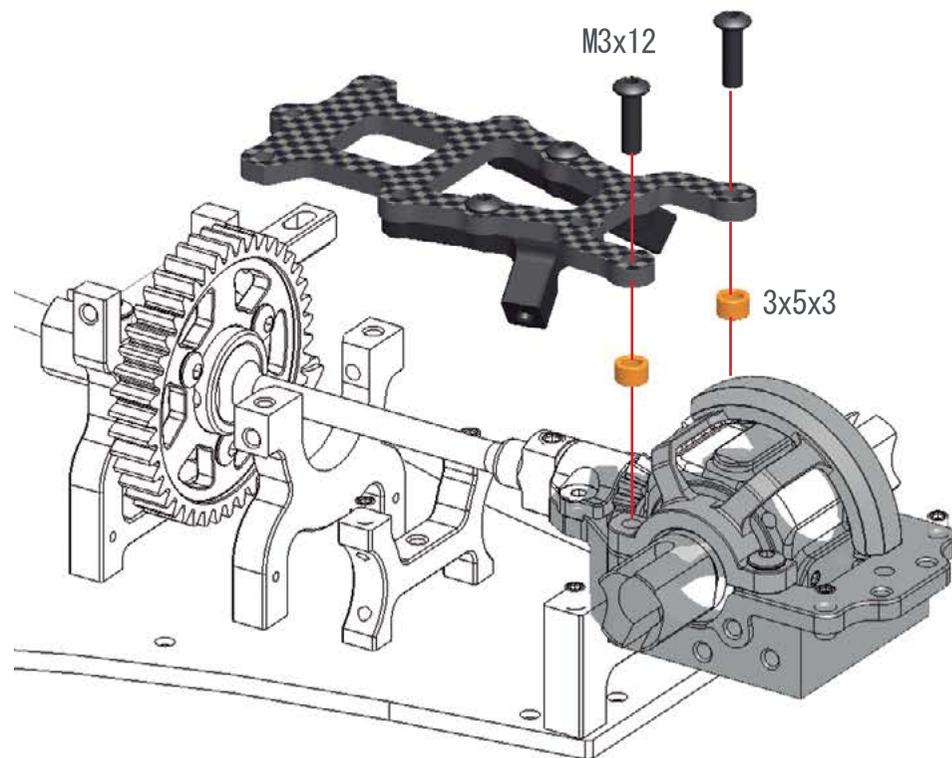


取付位置に注意してください。



M3x6

STEP 23

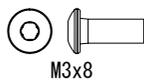
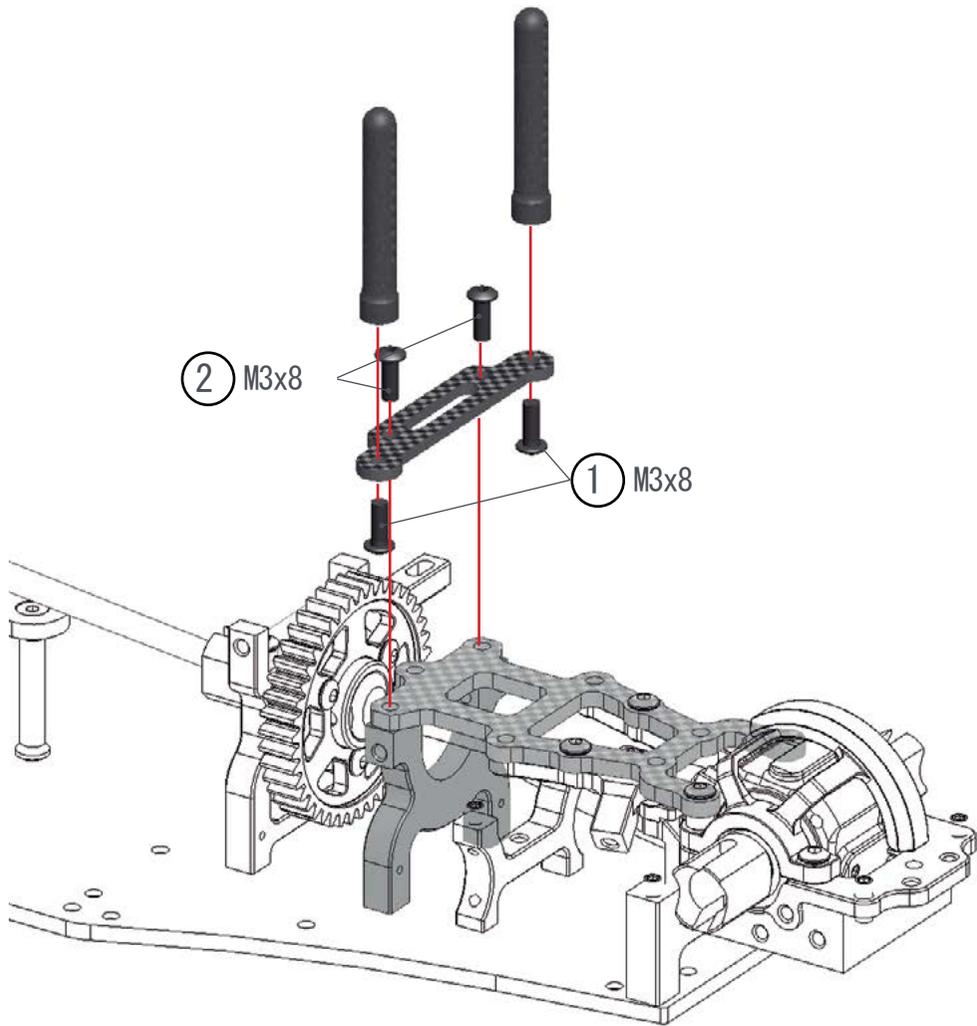


M3x12

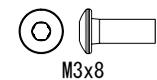
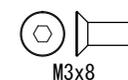
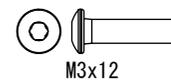
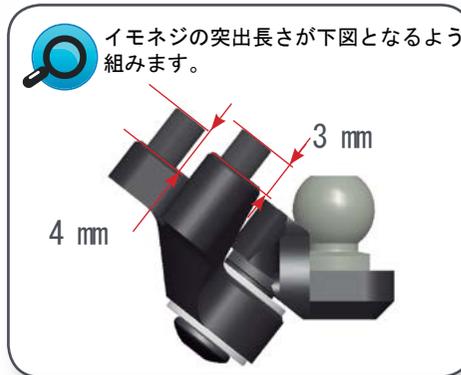
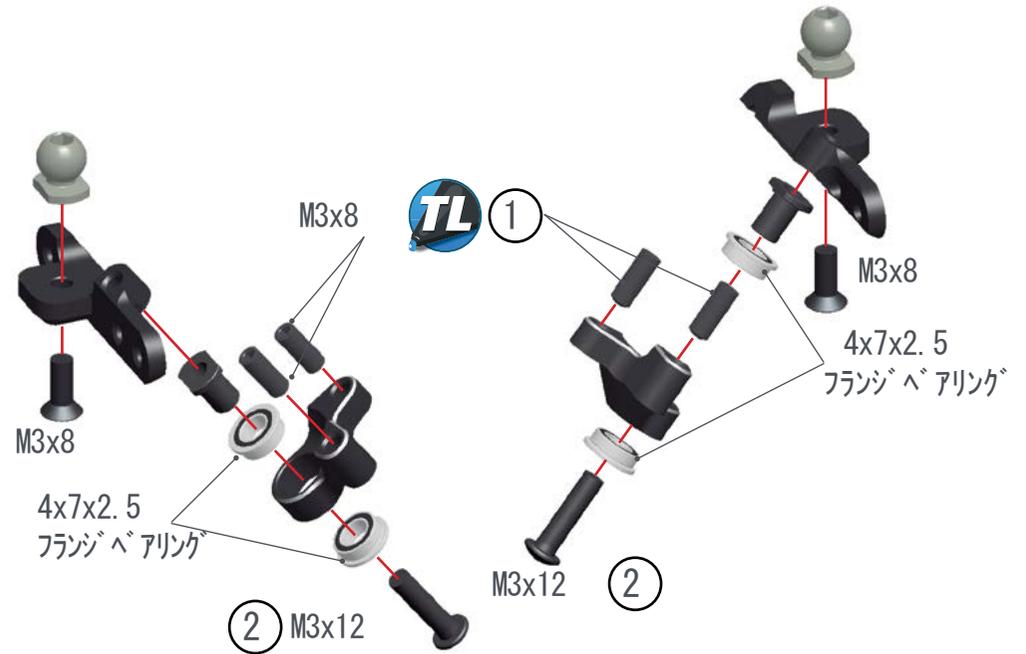


3x5x3

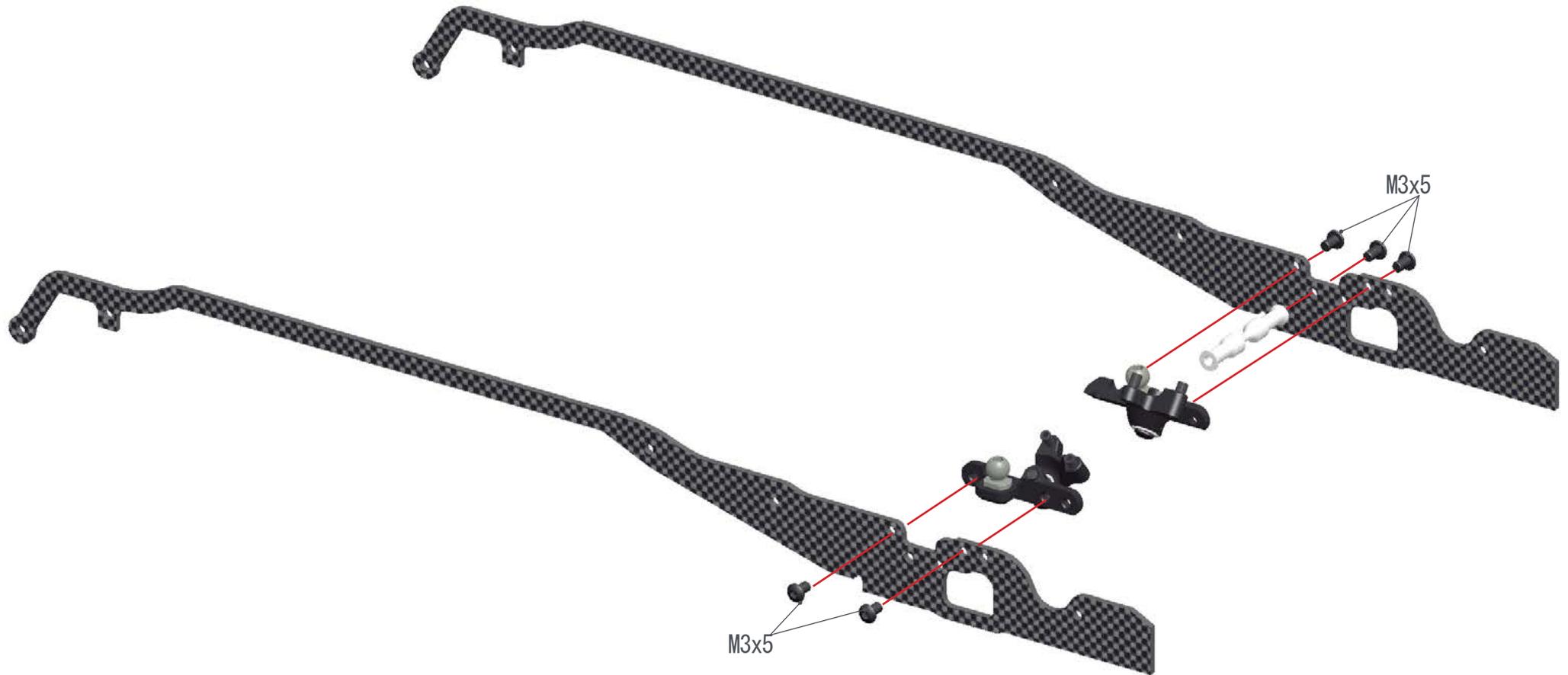
STEP 24



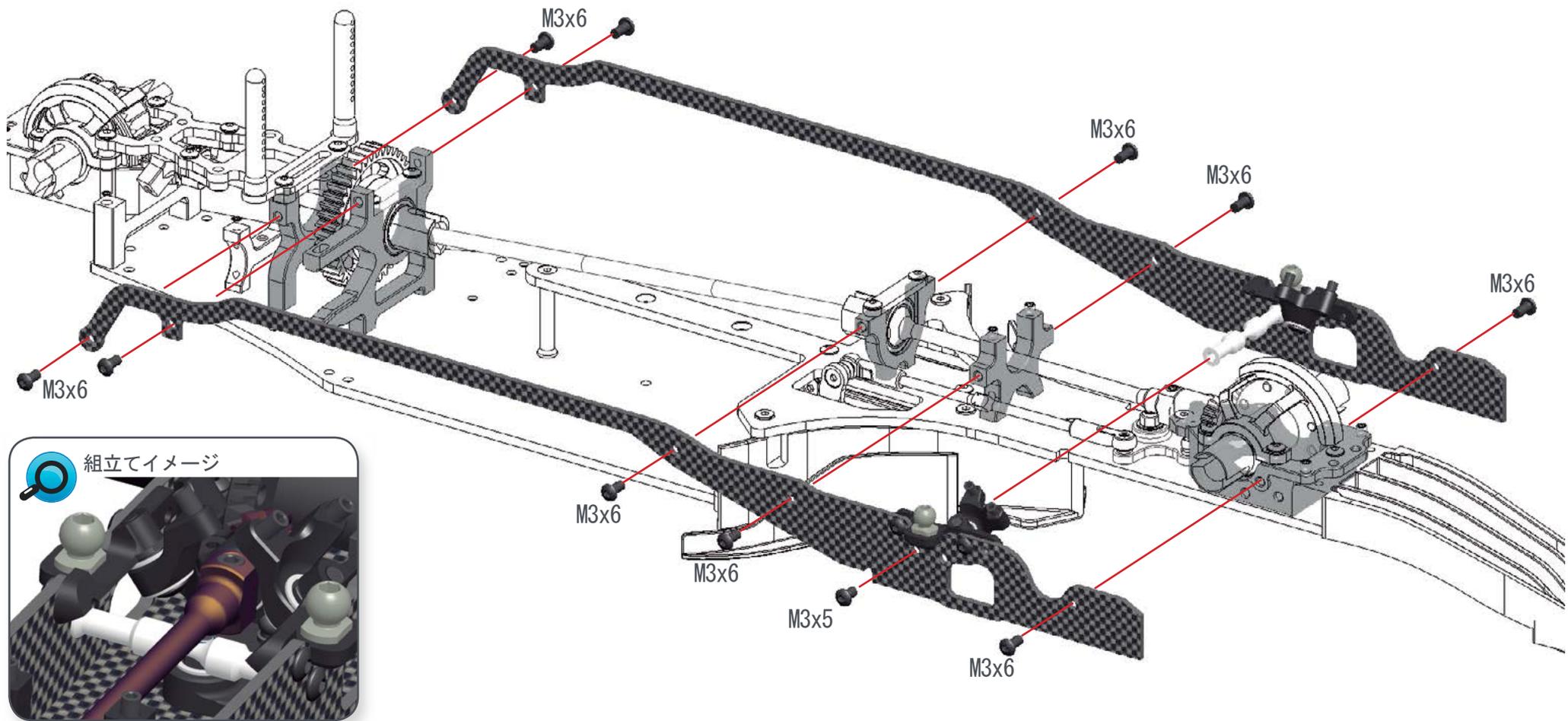
STEP 25



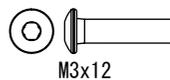
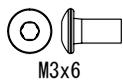
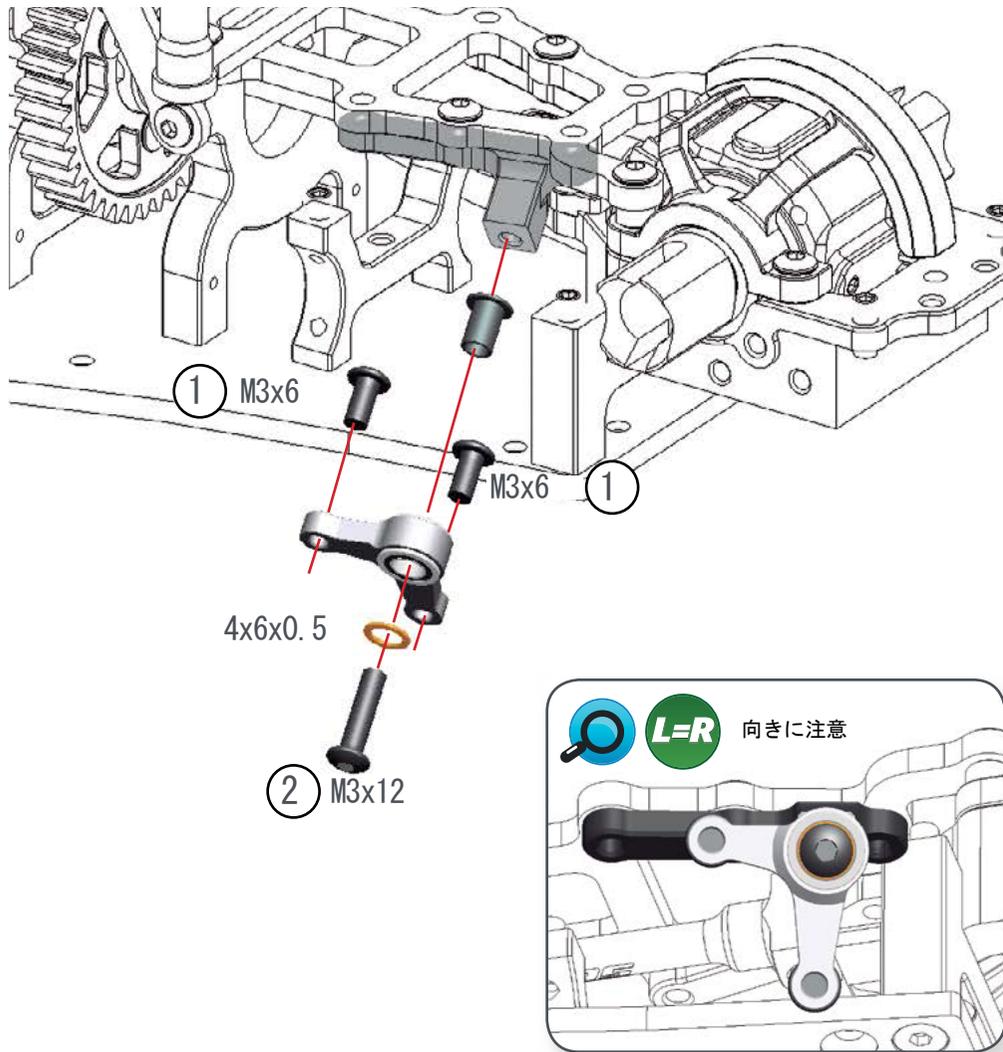
**STEP 26** bag 5



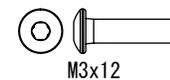
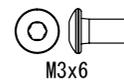
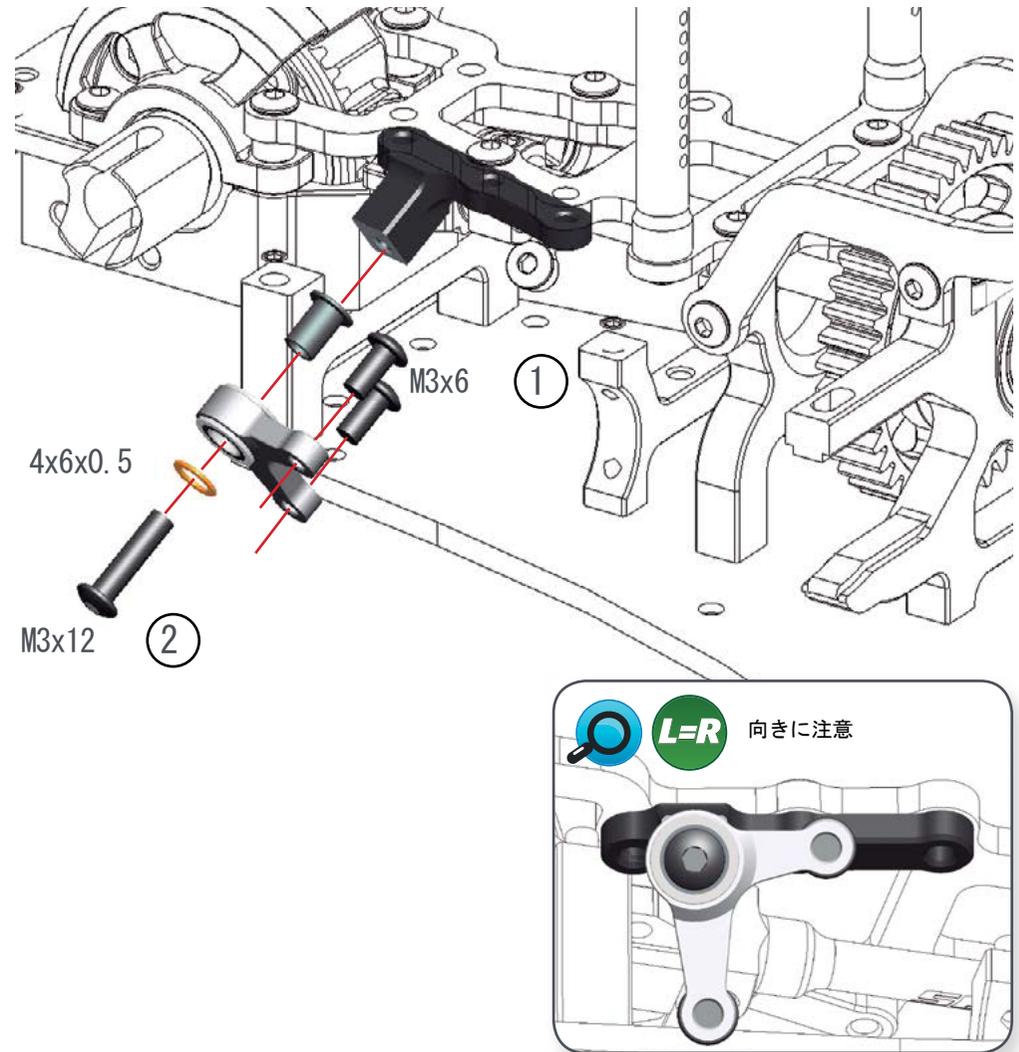
STEP 27



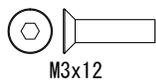
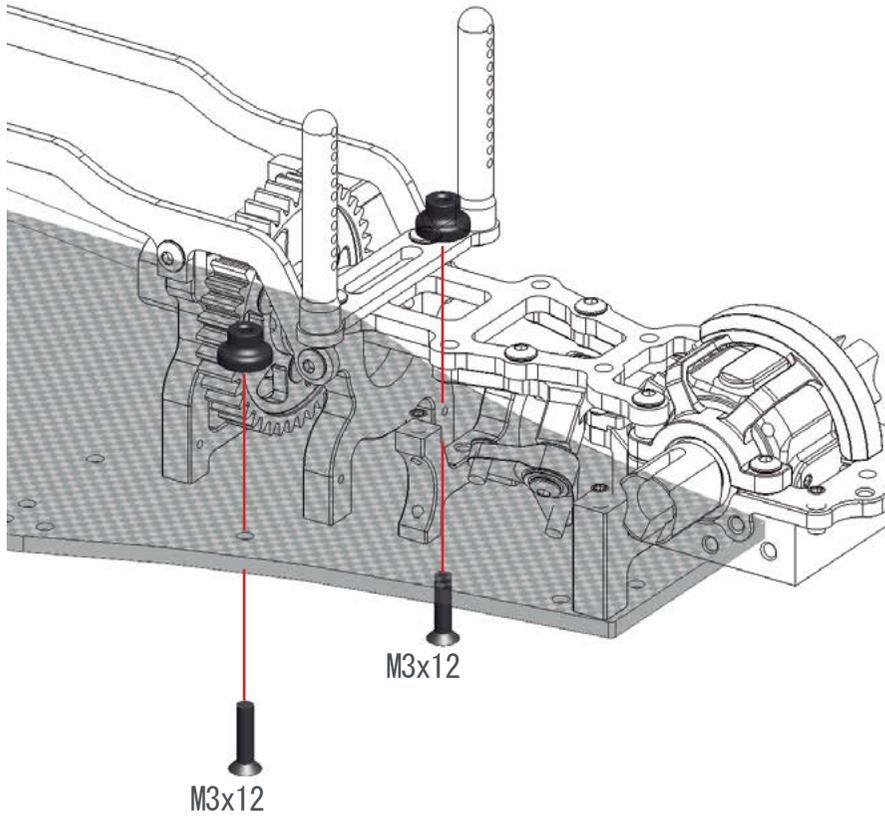
**STEP 28** bag 6



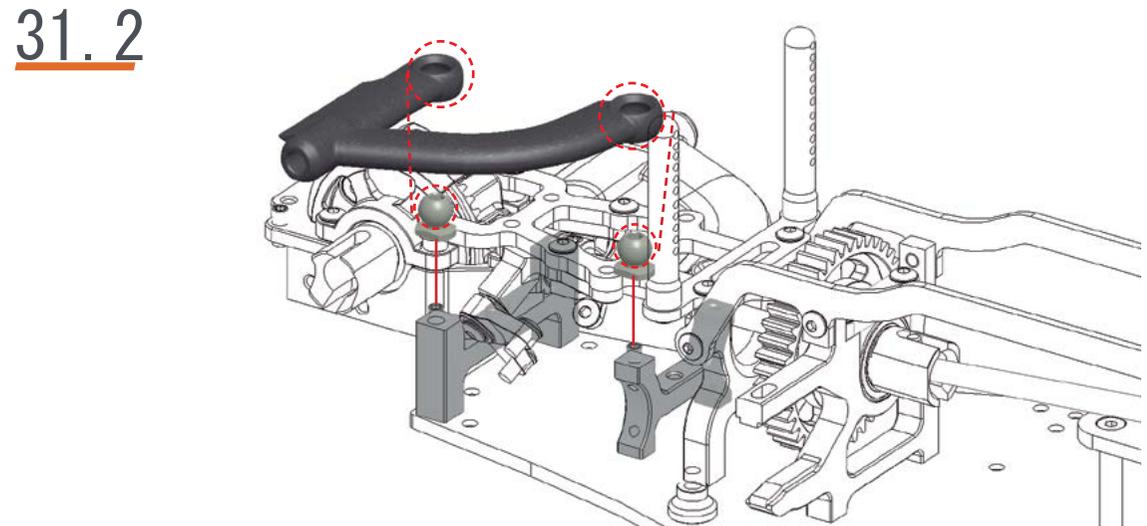
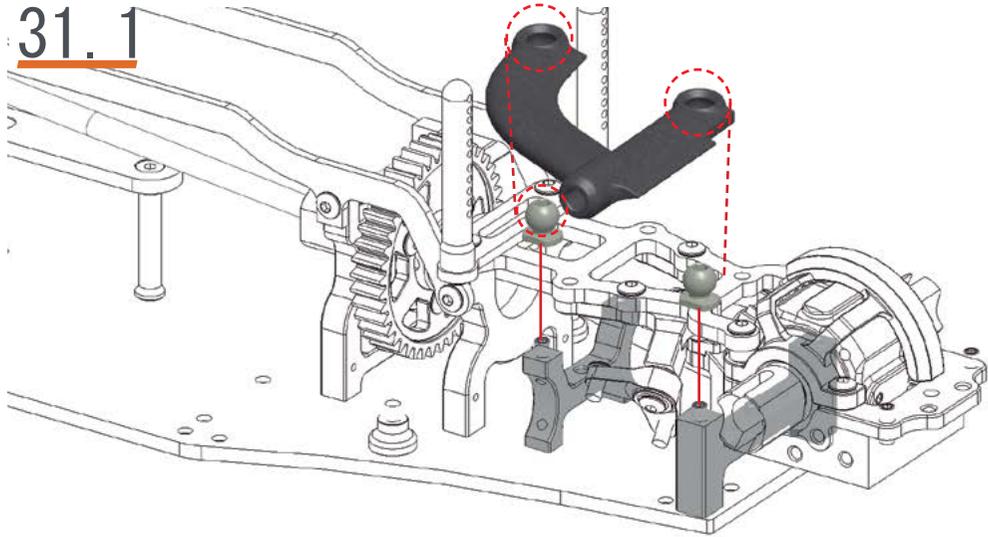
**STEP 29**



**STEP 30**

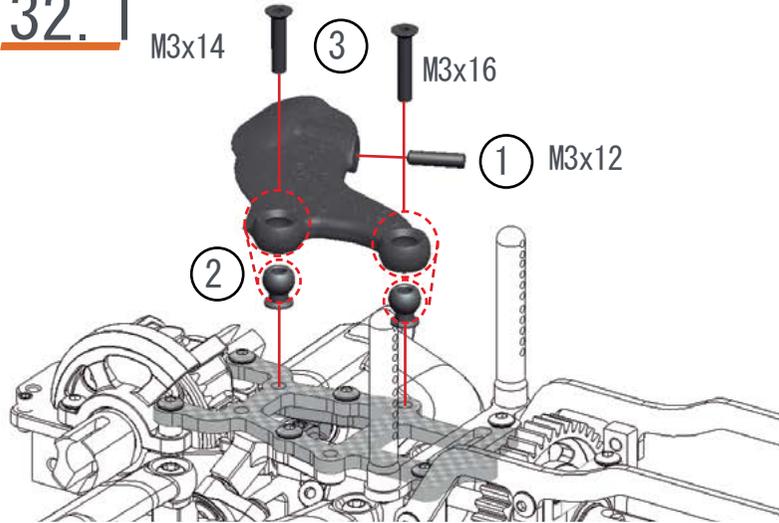


**STEP 31**

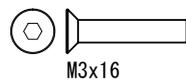
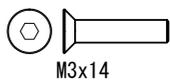
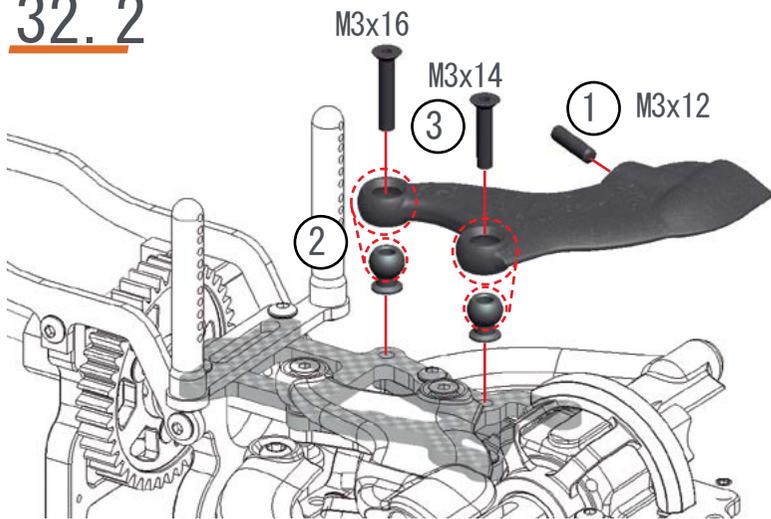


**STEP 32**

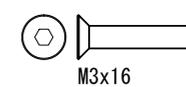
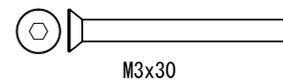
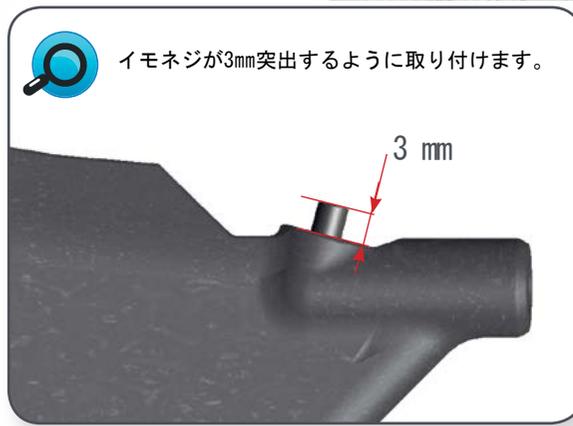
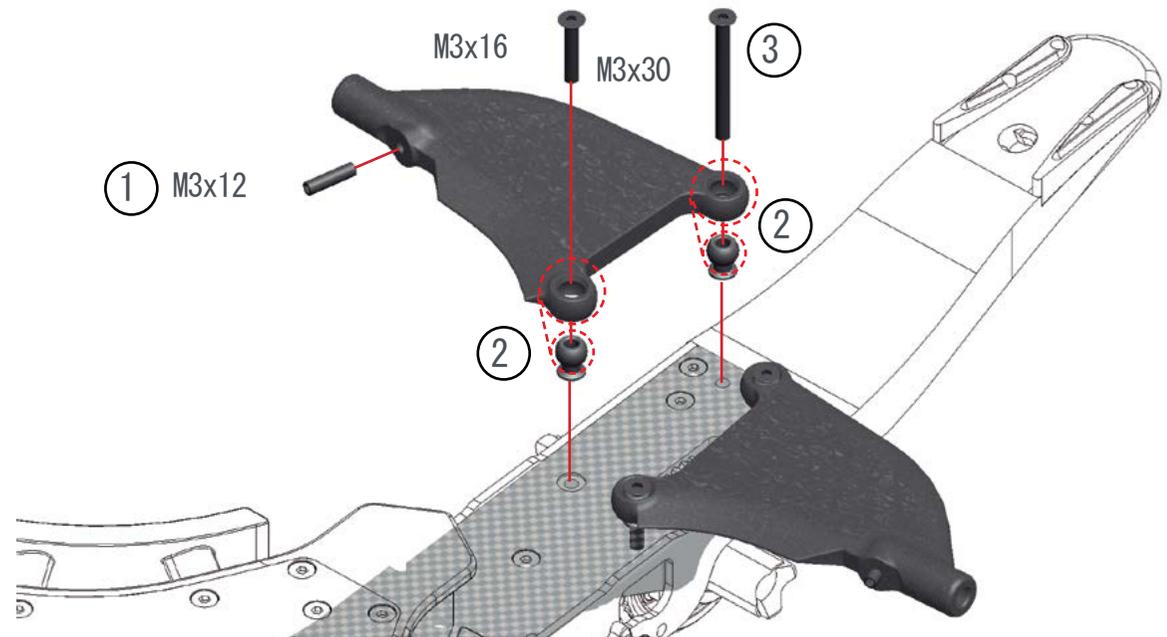
**32.1**



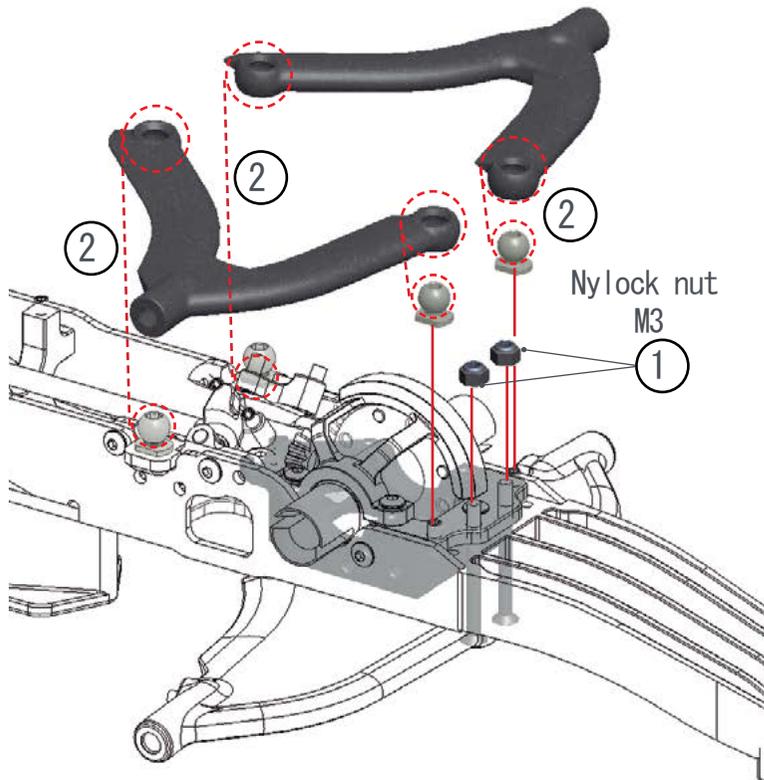
**32.2**



**STEP 33**



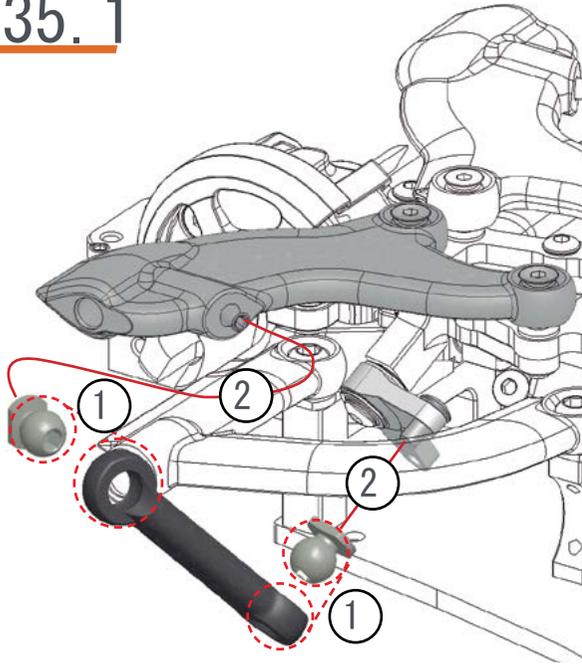
**STEP 34**



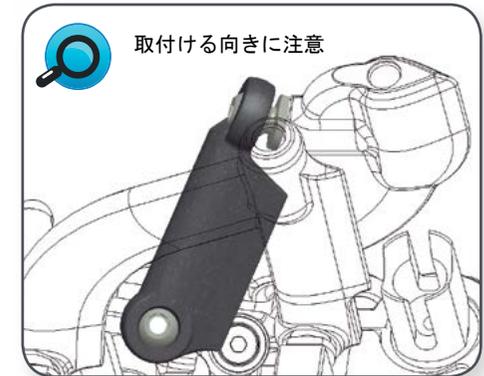
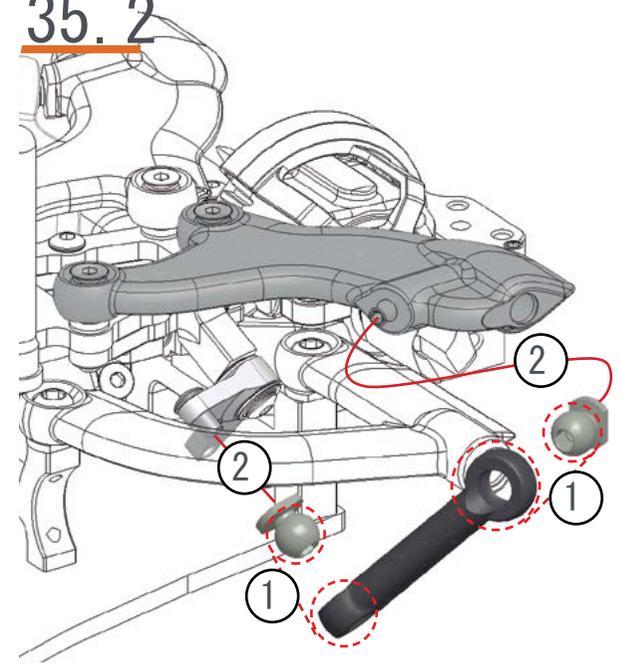
  
Nylock Nut M3

**STEP 35**

**35.1**

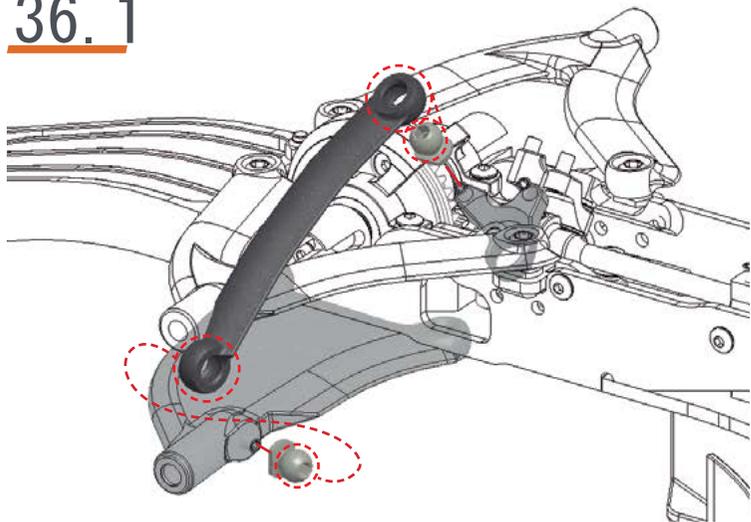


**35.2**

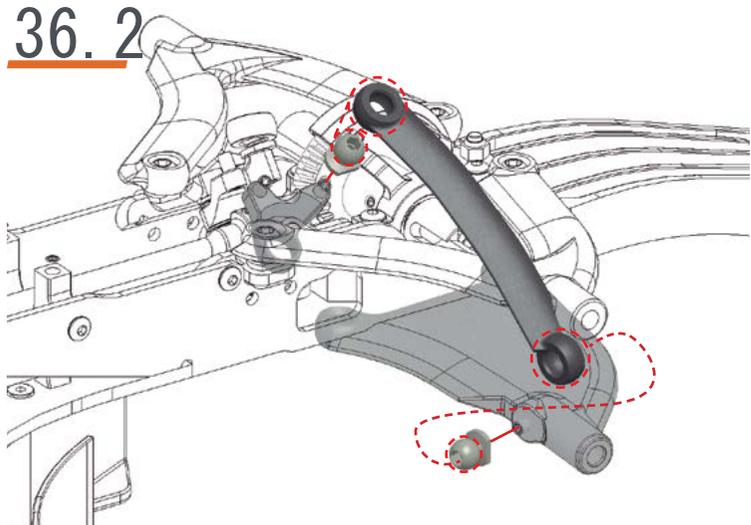


**STEP 36**

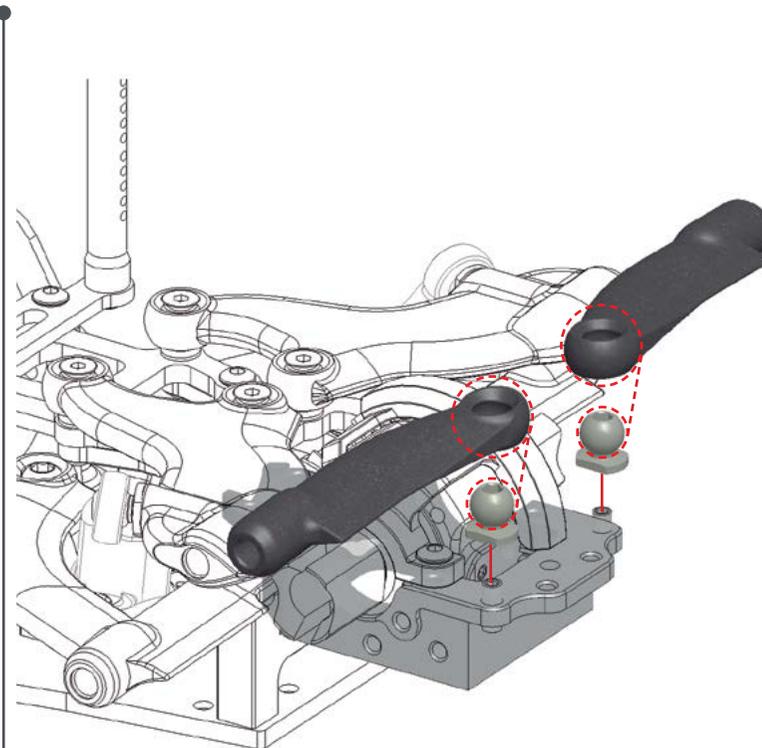
**36.1**



**36.2**

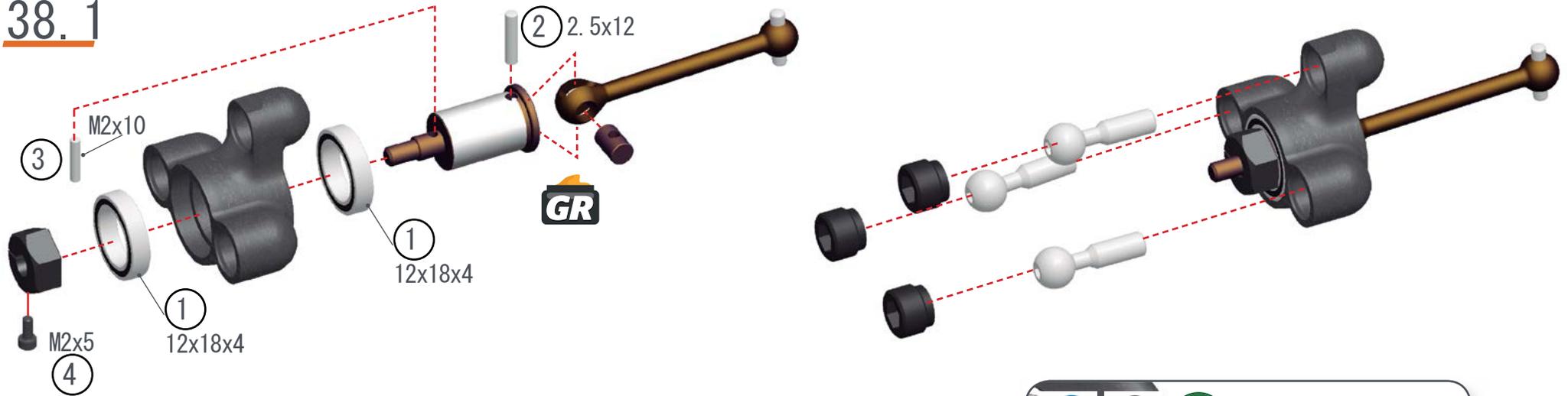


**STEP 37**

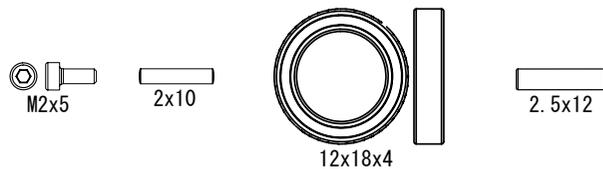
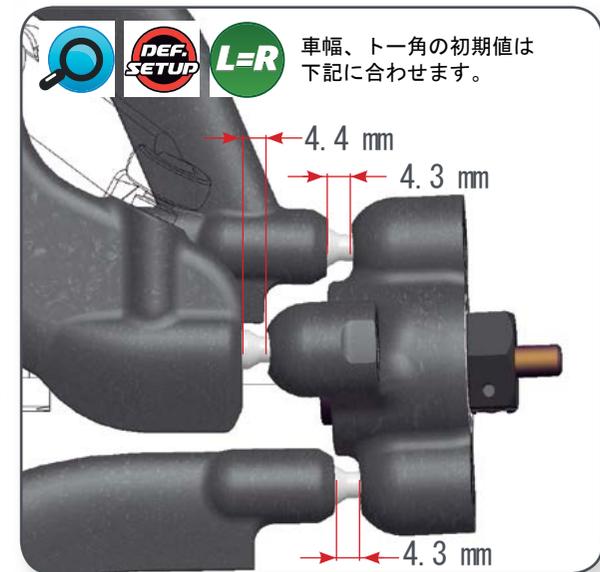
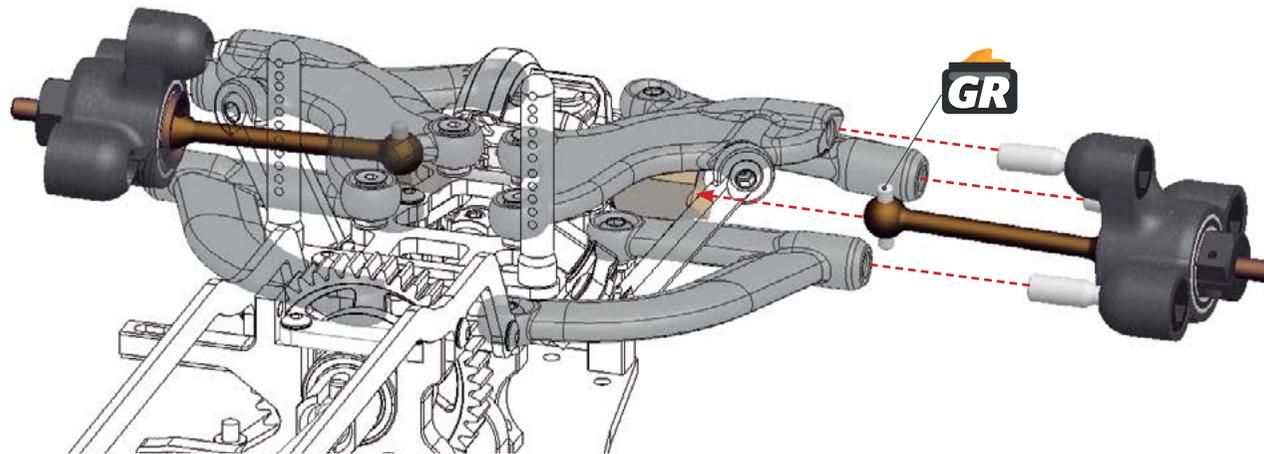


**STEP 38** bag 7

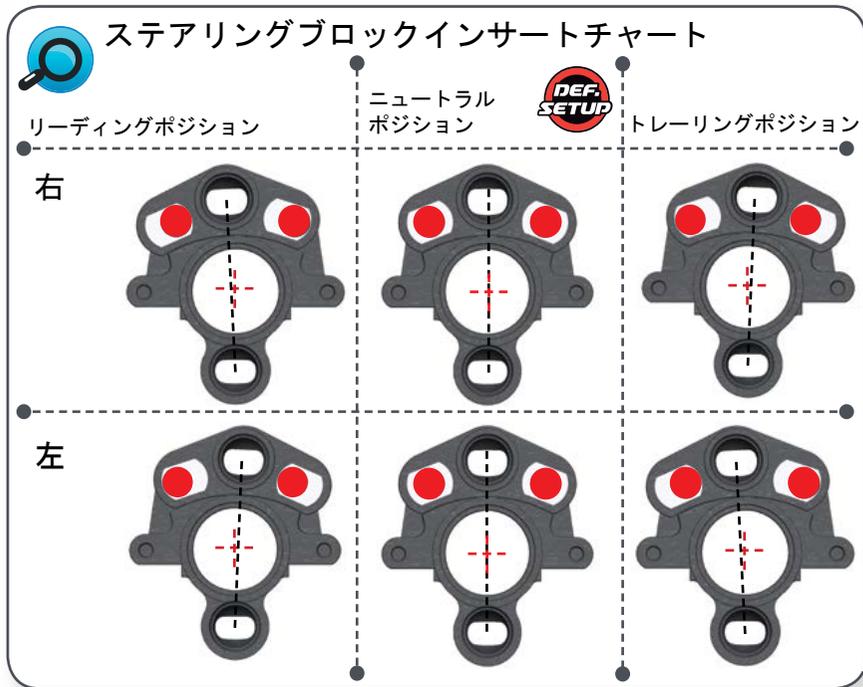
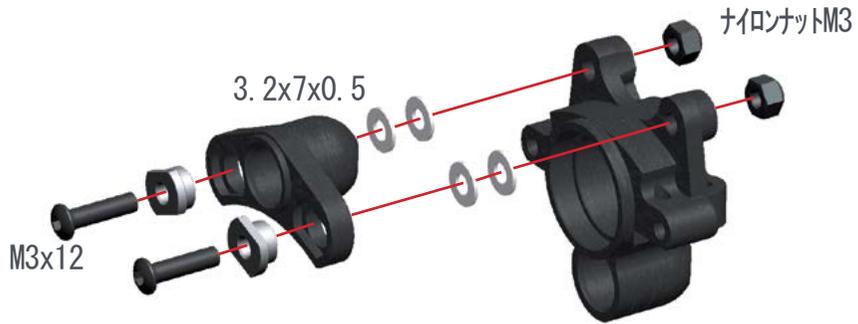
**38.1**



**38.2**

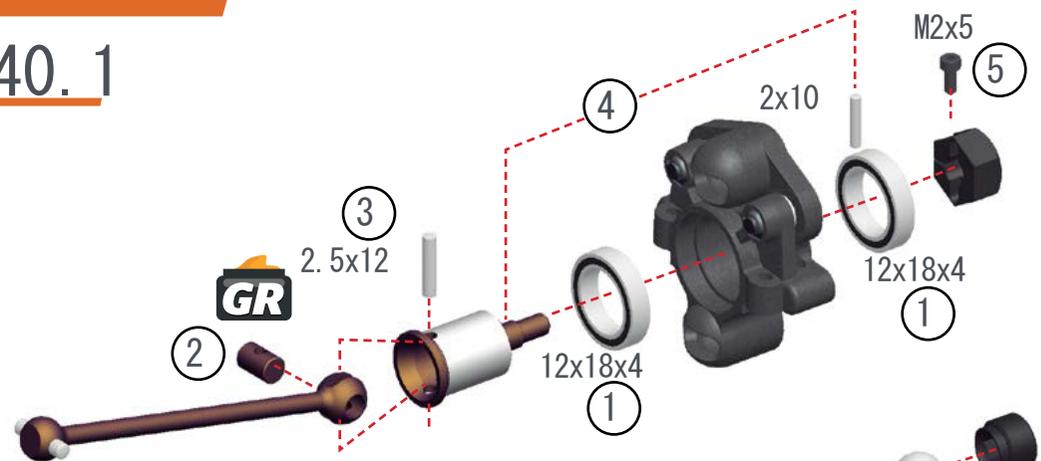


**STEP 39** bag 8

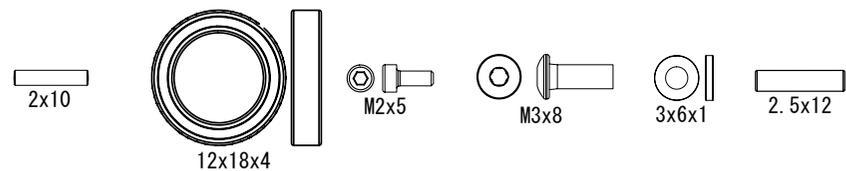
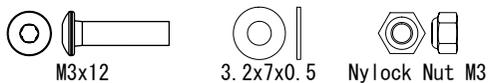
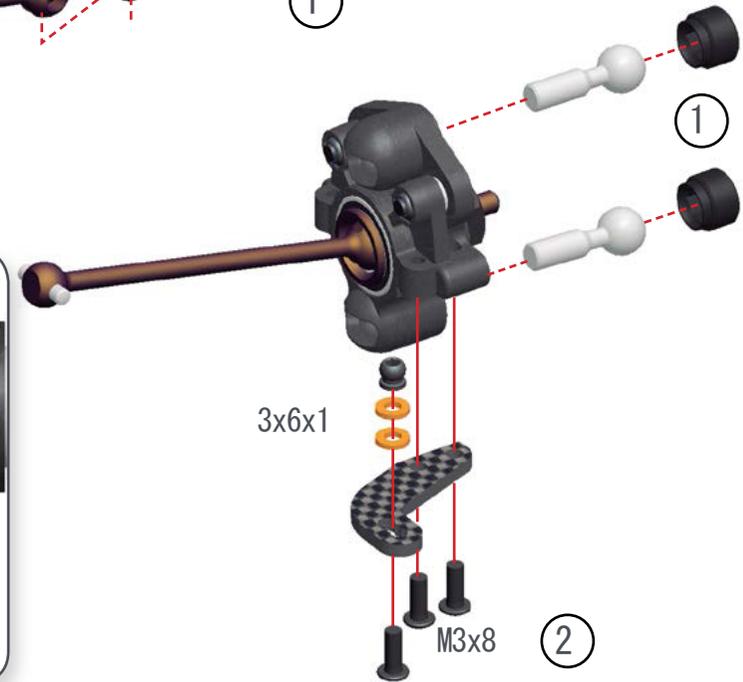
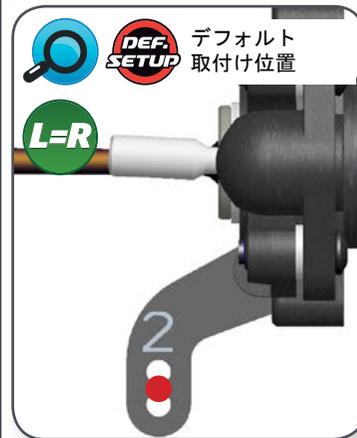


**STEP 40**

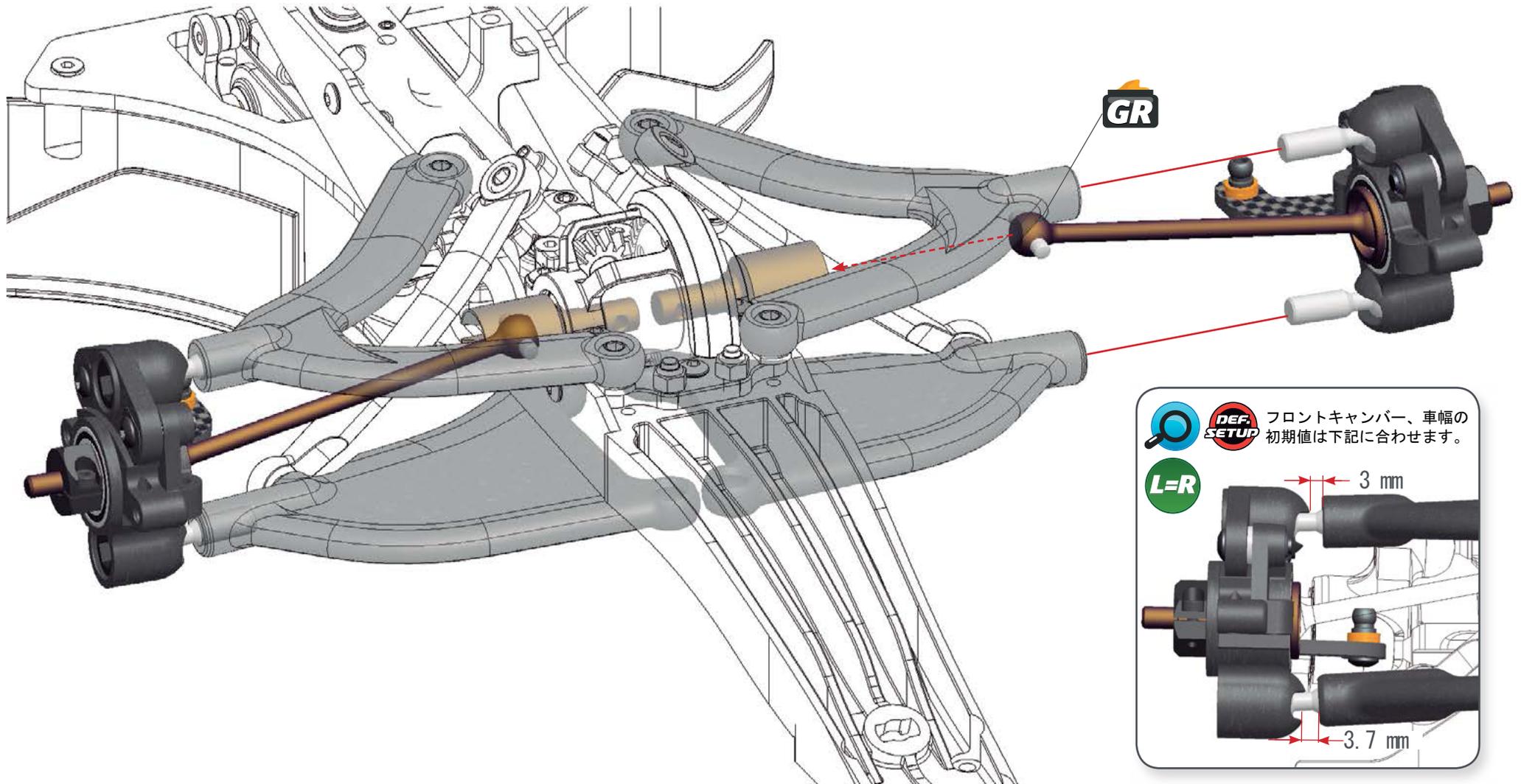
**40.1**



**40.2**

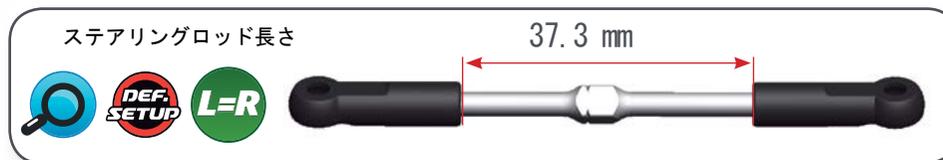


STEP 41

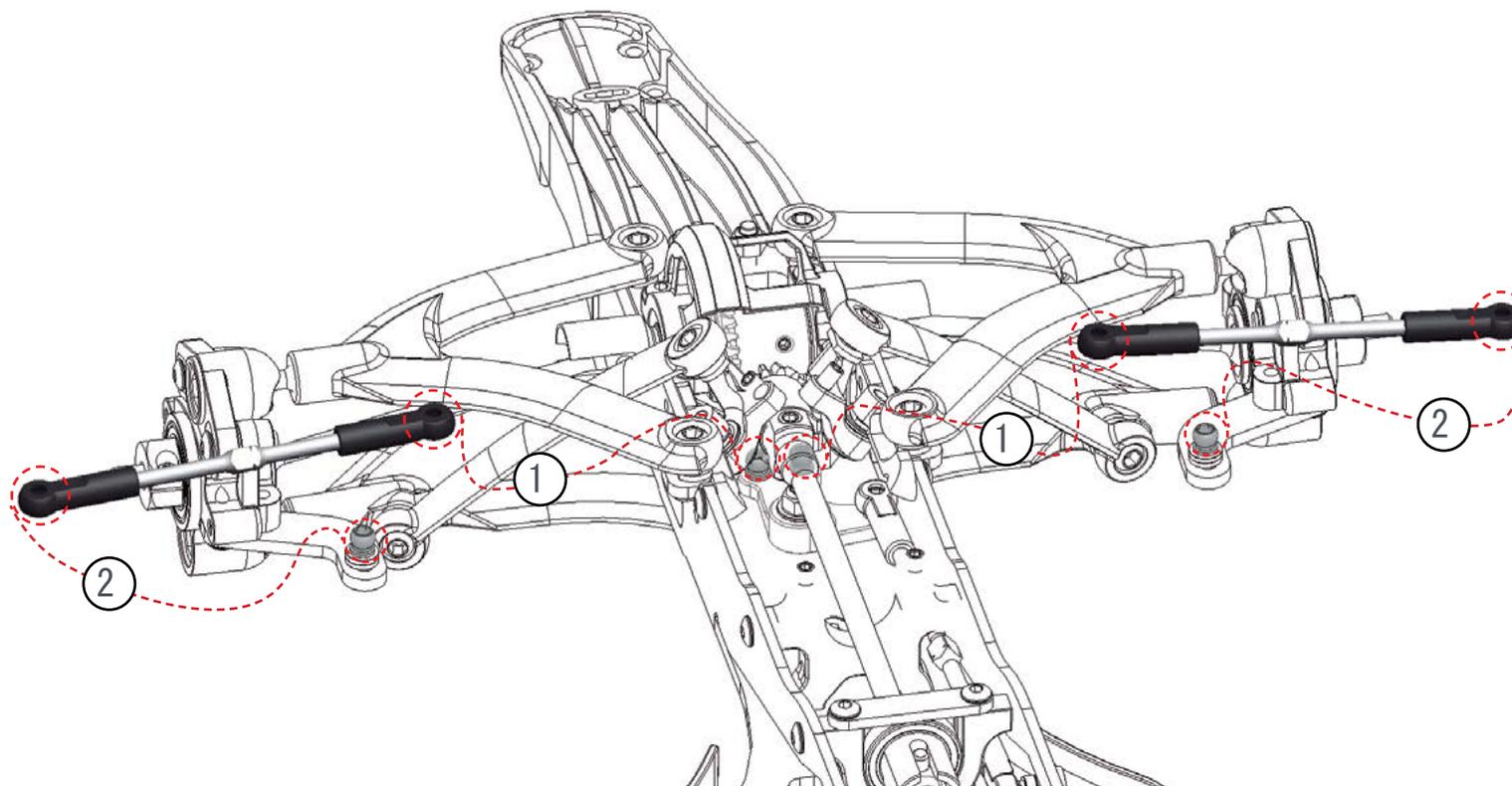


**STEP 42**

**42.1**

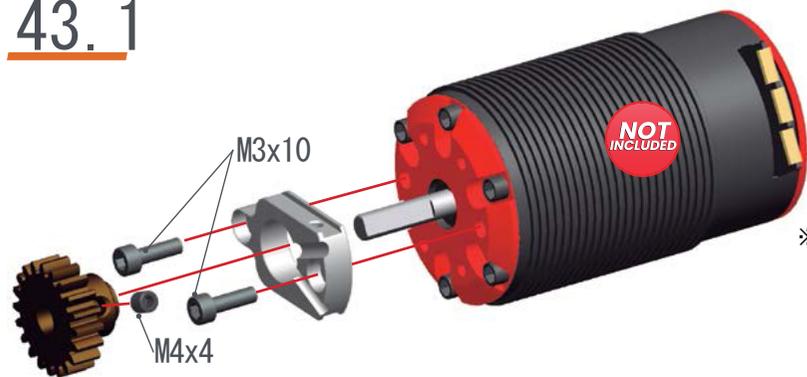


**42.2**



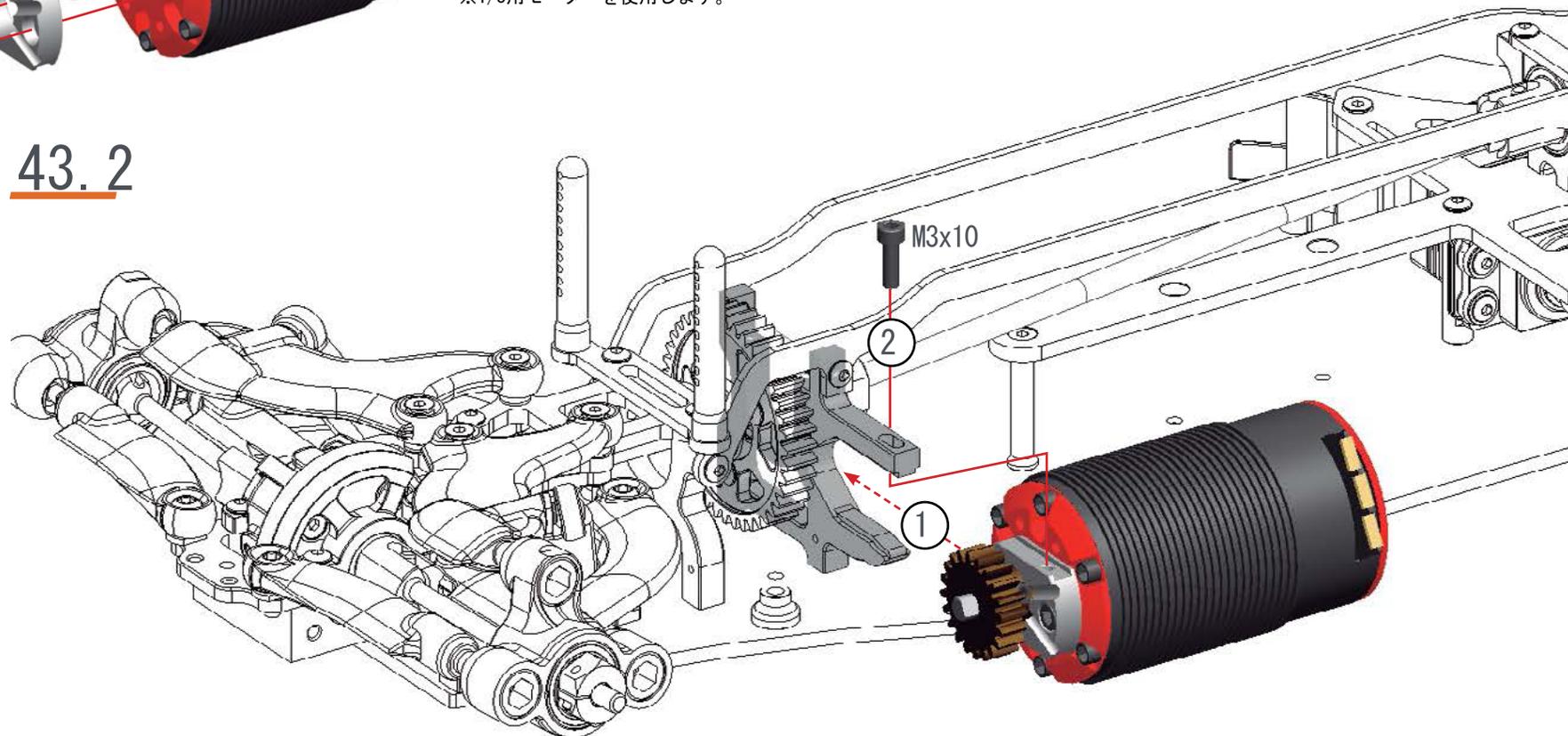
**STEP 43** bag 9

**43.1**



※1/8用モーターを使用します。

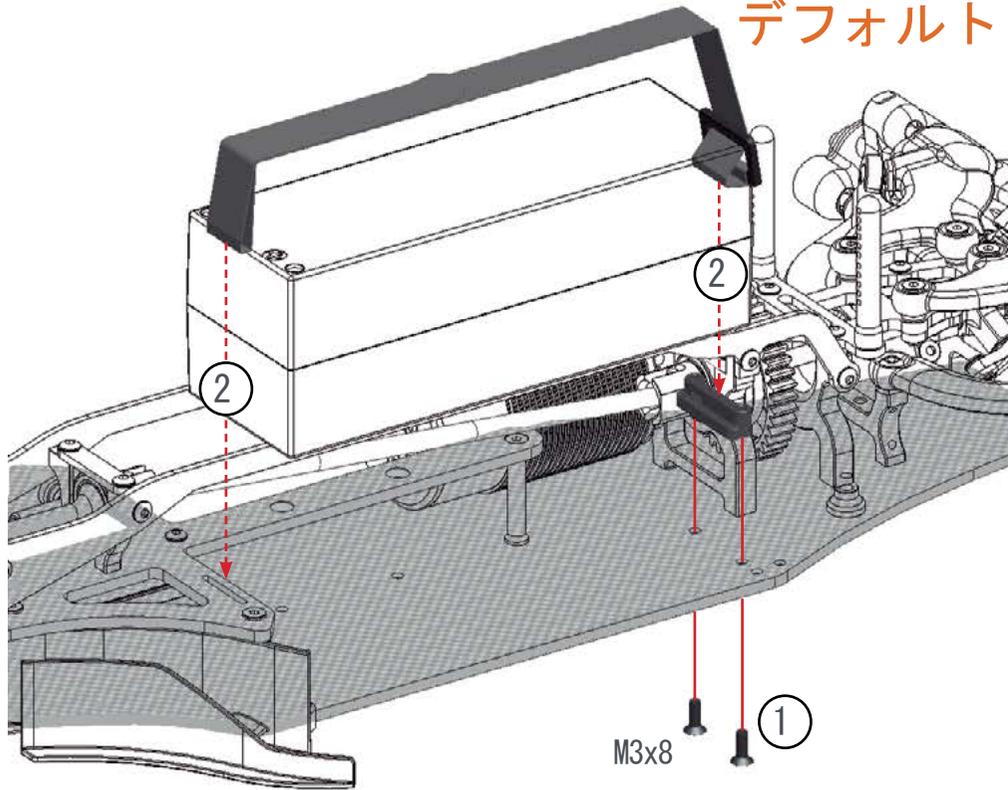
**43.2**



# STEP 44

ロープロサーボ、スタンダードサイズ4Sバッテリーを使用する場合

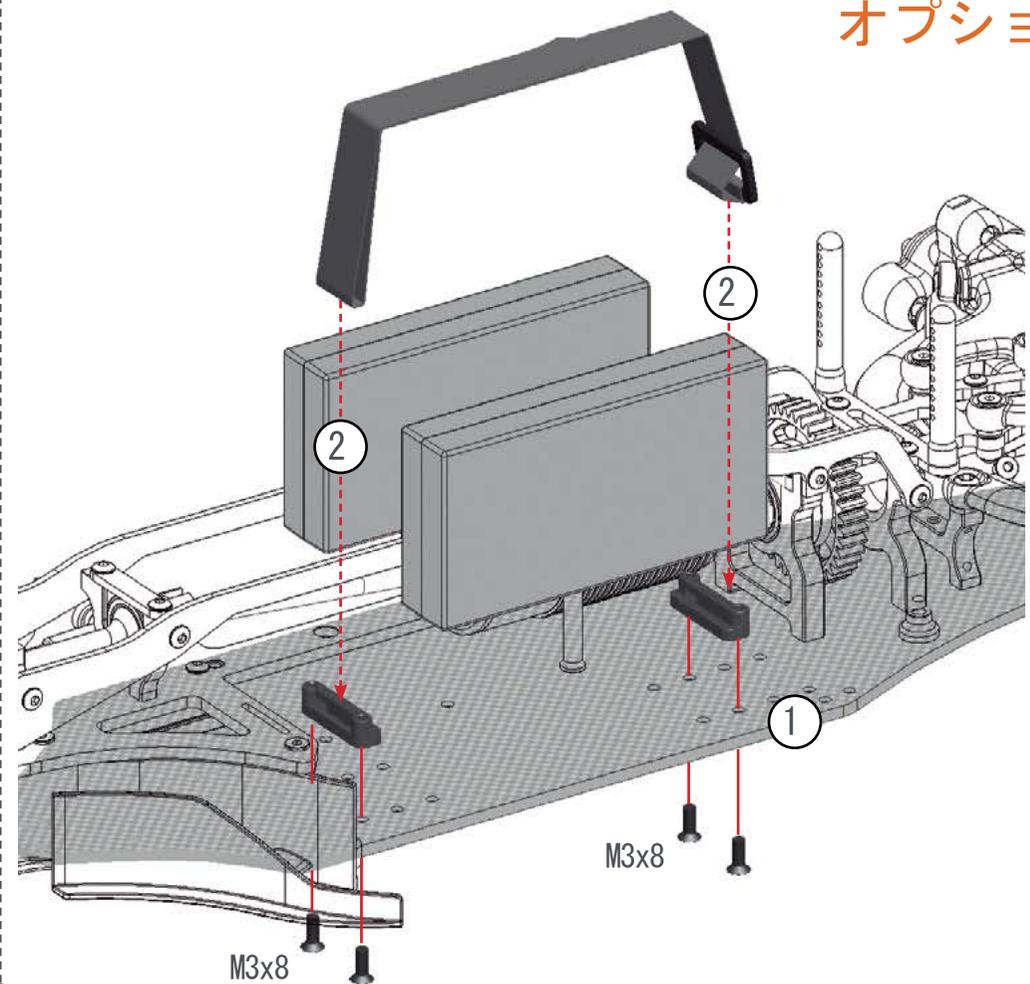
デフォルト



M3x8

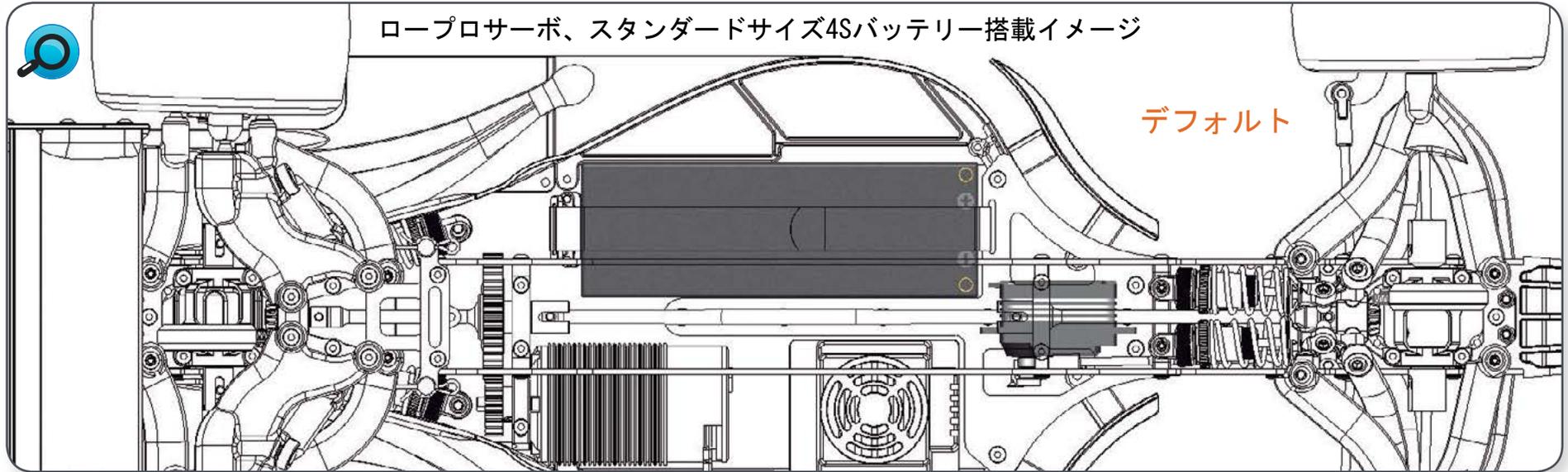
スタンダードサーボ、2Sショートバッテリー2本を使用する場合

オプション

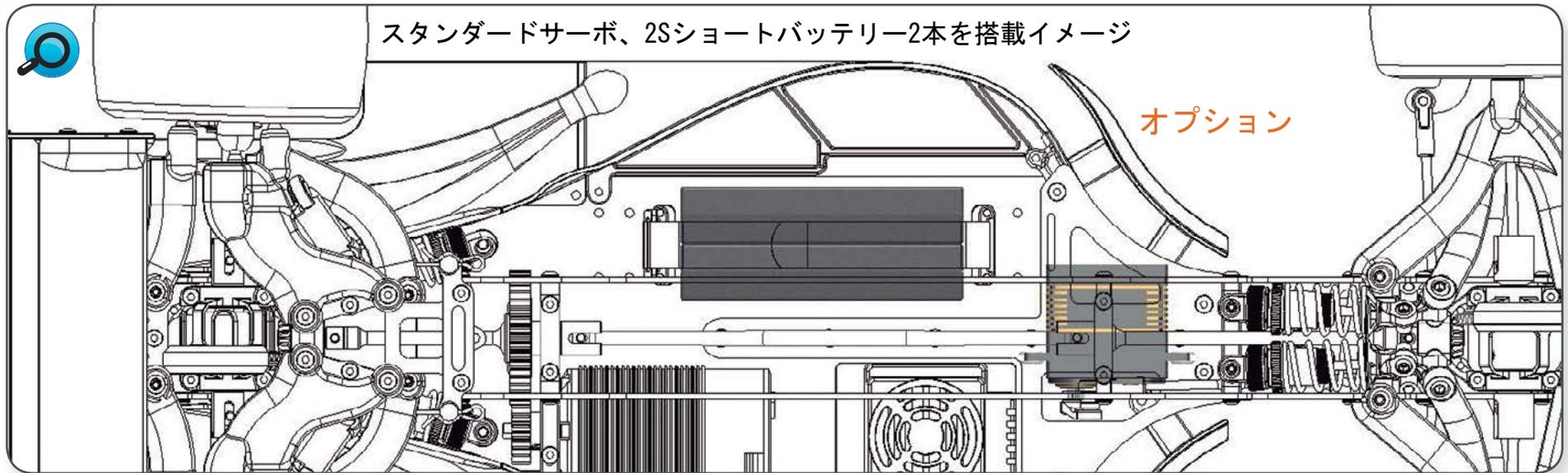


M3x8

ロープロサーボ、スタンダードサイズ4Sバッテリー搭載イメージ



スタンダードサーボ、2Sショートバッテリー2本を搭載イメージ

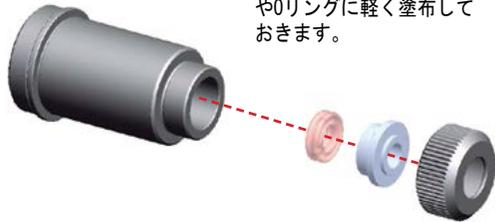


STEP 45 bag 10

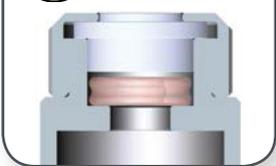
45.1



シリコンオイルをブッシュ  
やOリングに軽く塗布して  
おきます。

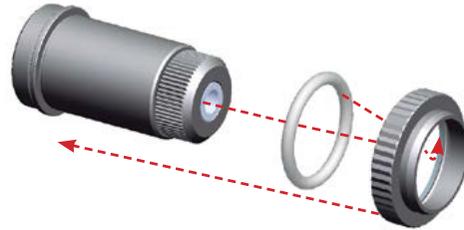


ショックブッシュ  
の向きを間違えな  
いよう注意。



45.2

アジャスティングナット内にOリングを入れます。  
※軽くシリコンオイルを塗布しておきます。



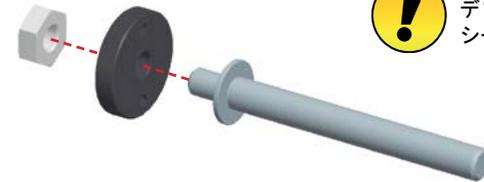
Oリングは正しくアジャスティングナット  
内側の溝に入れて下さい。



STEP 46

46.1

ナット M2.5



デフォルトのピストン穴数はセットアップ  
シートにて確認して下さい。

46.2



シャフトにはシリコンオイルを塗布して下さい。



  
Nut M2.5

# STEP 47

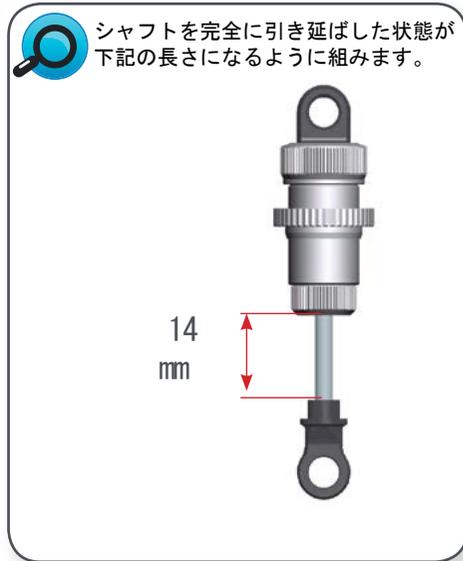
## 47.1

ショックシャフトをいっばいに引き延ばした状態のダンパーケースにキットに付属のシリコンオイルを目いっぱい入れます。

ショックシャフトを静かに上下させて、シリンダー内のエアを抜きます。

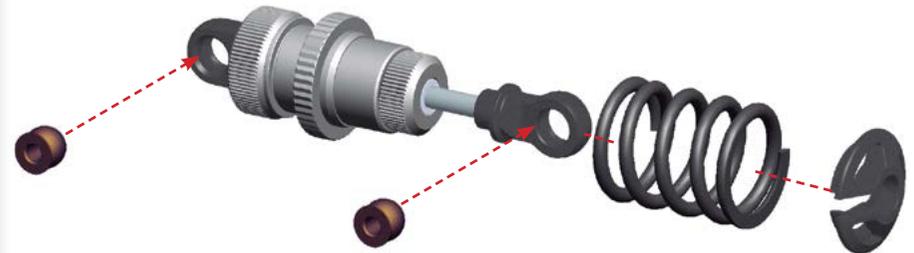
ダイヤフラムを静かにかぶせ、余計なオイルを押し出します。

トップエンドをダイヤフラムの上ののせ、ゆっくりとトップキャップを締め込みます。



## 47.2

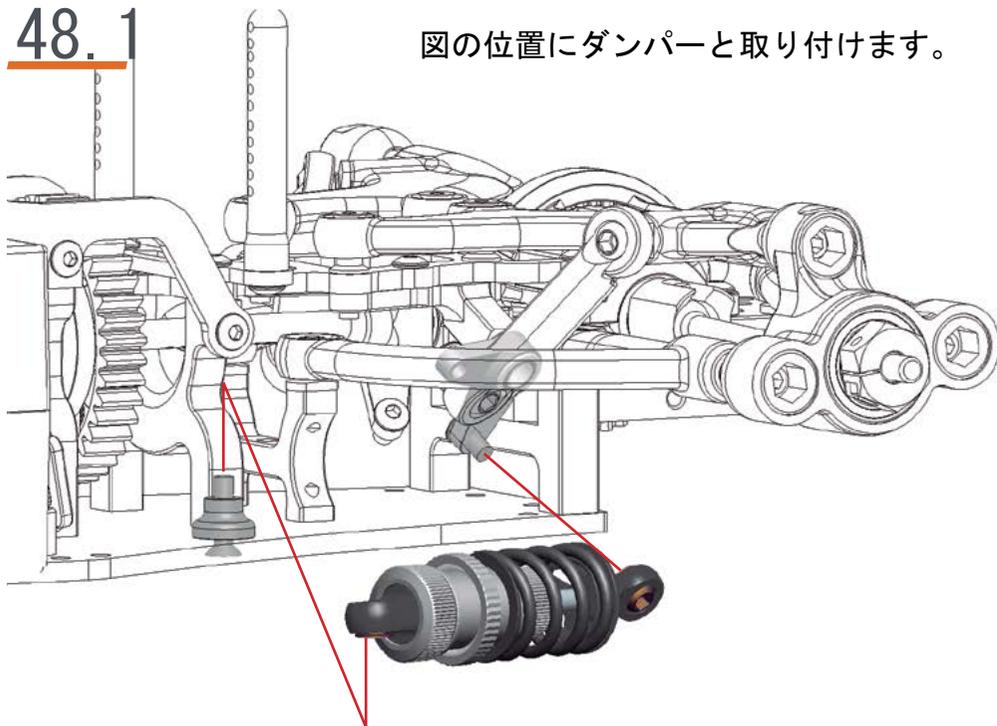
スプリングとスプリングサポート、ピボットボールを取り付けます。



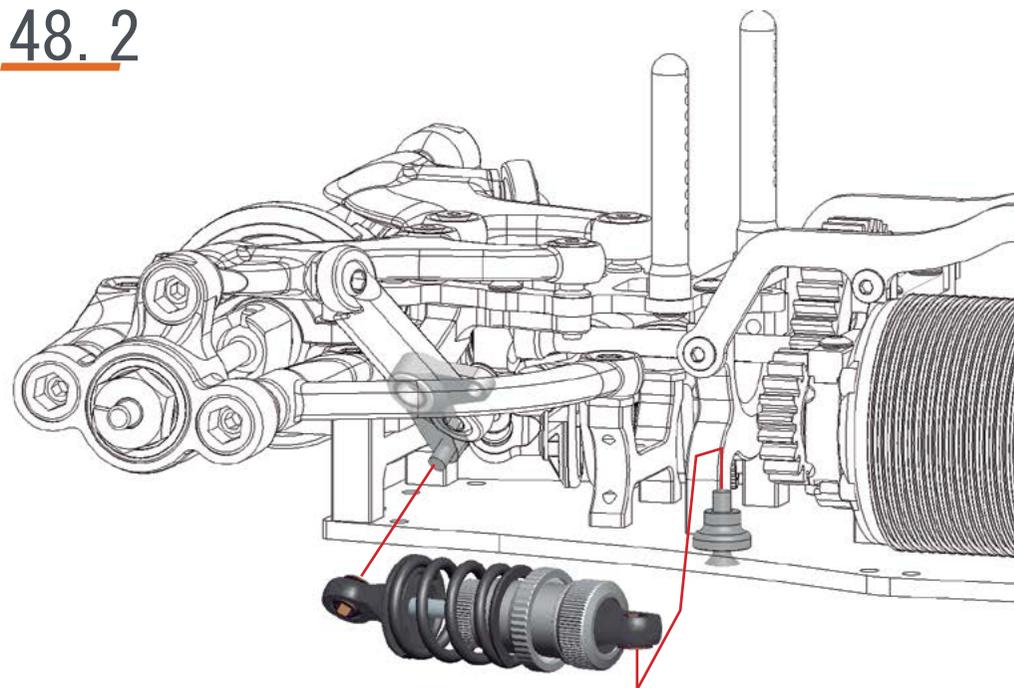
**STEP 48**

**48.1**

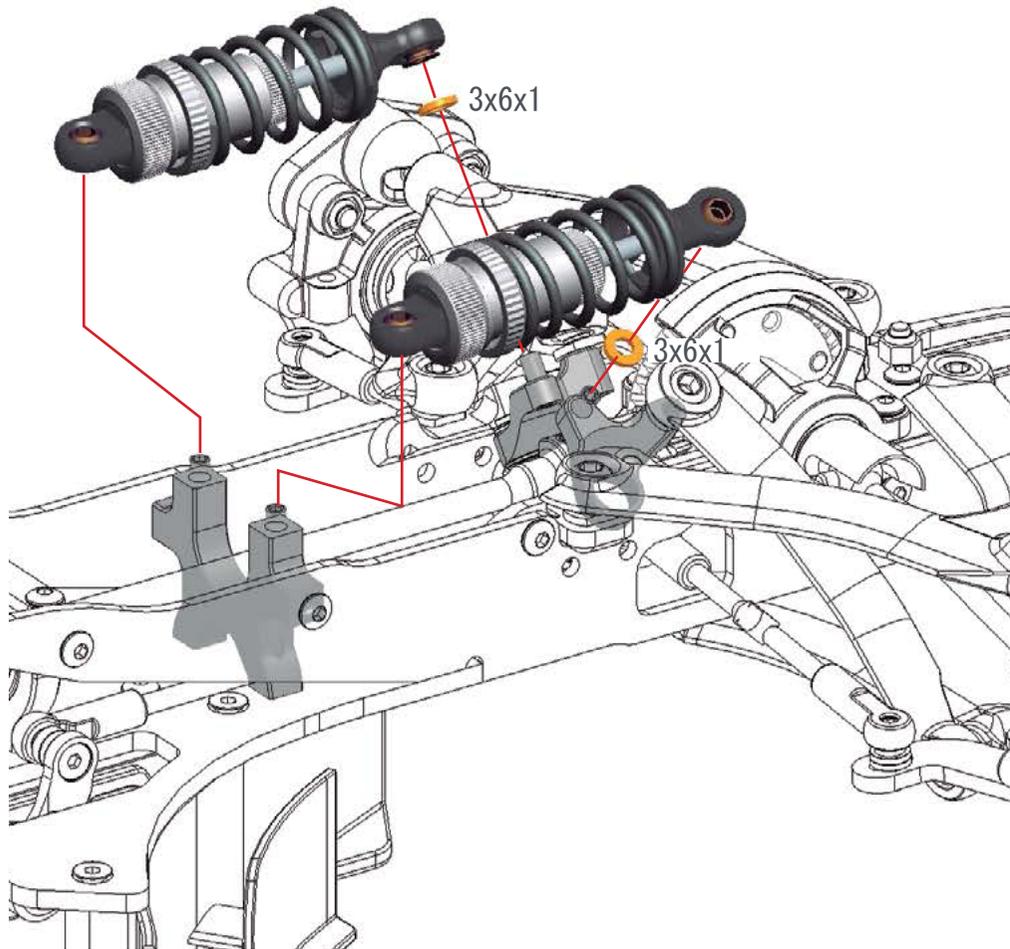
図の位置にダンパーを取り付けます。



**48.2**

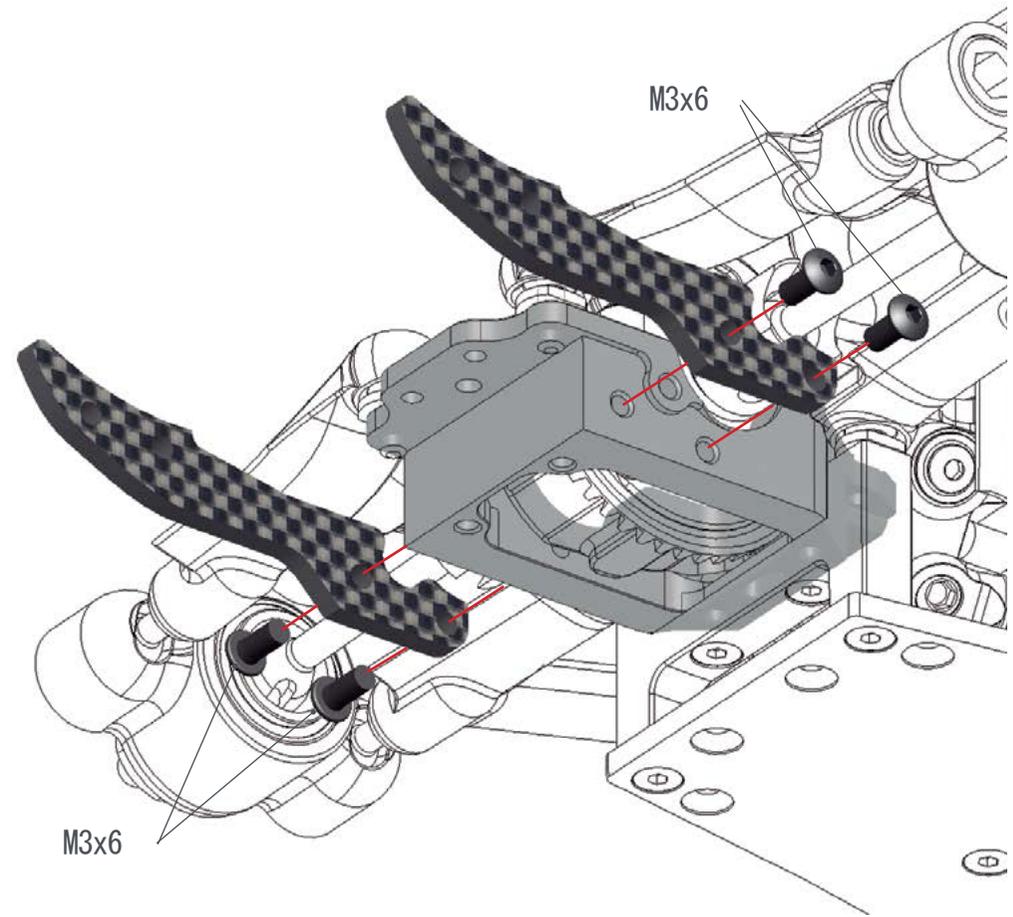


STEP 49



3x6x1

STEP 50 bag 11



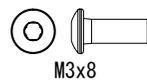
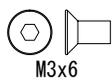
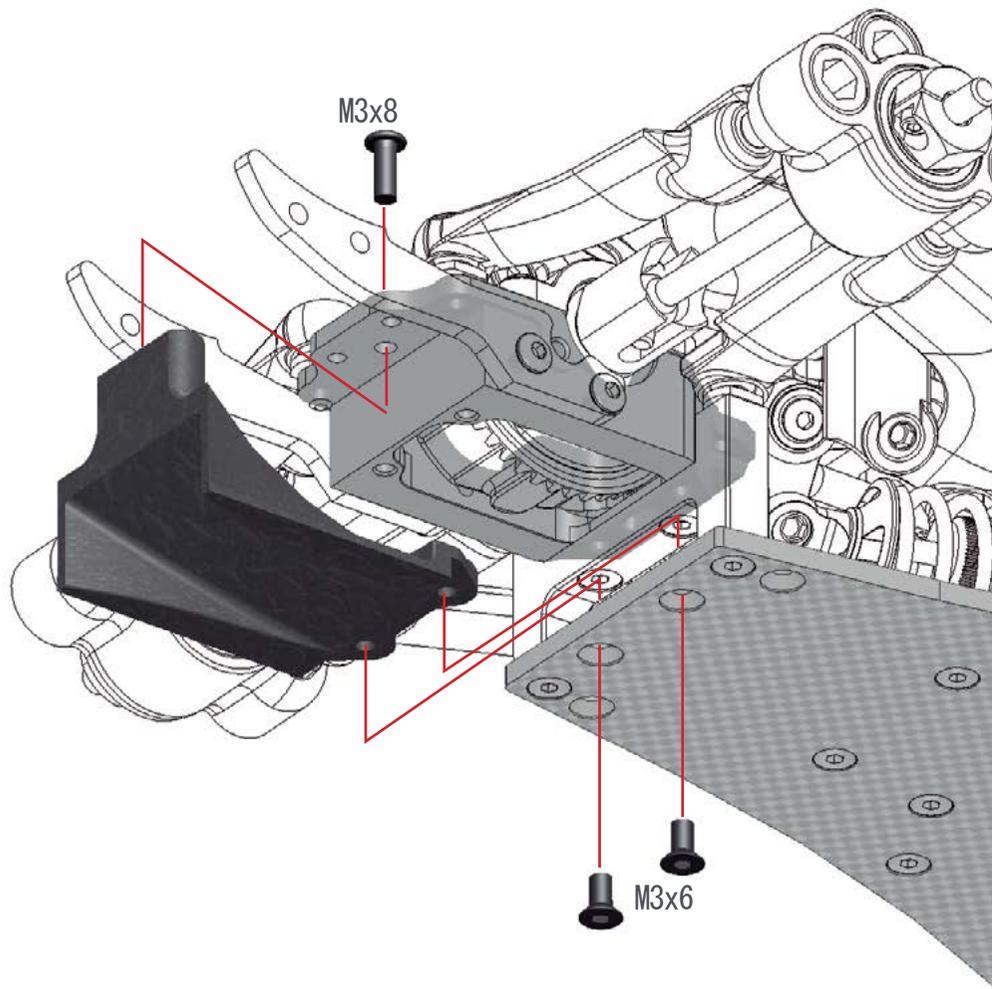
M3x6

M3x6

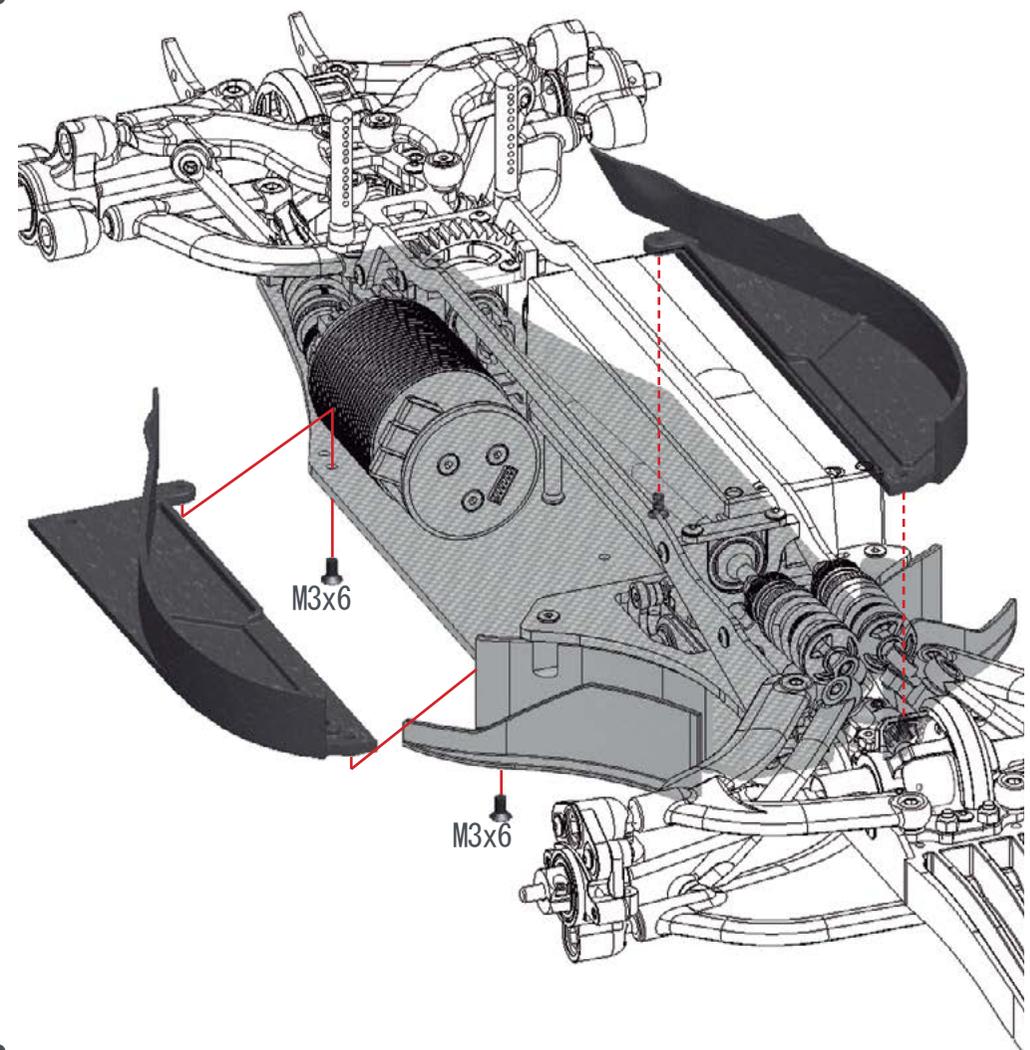


M3x6

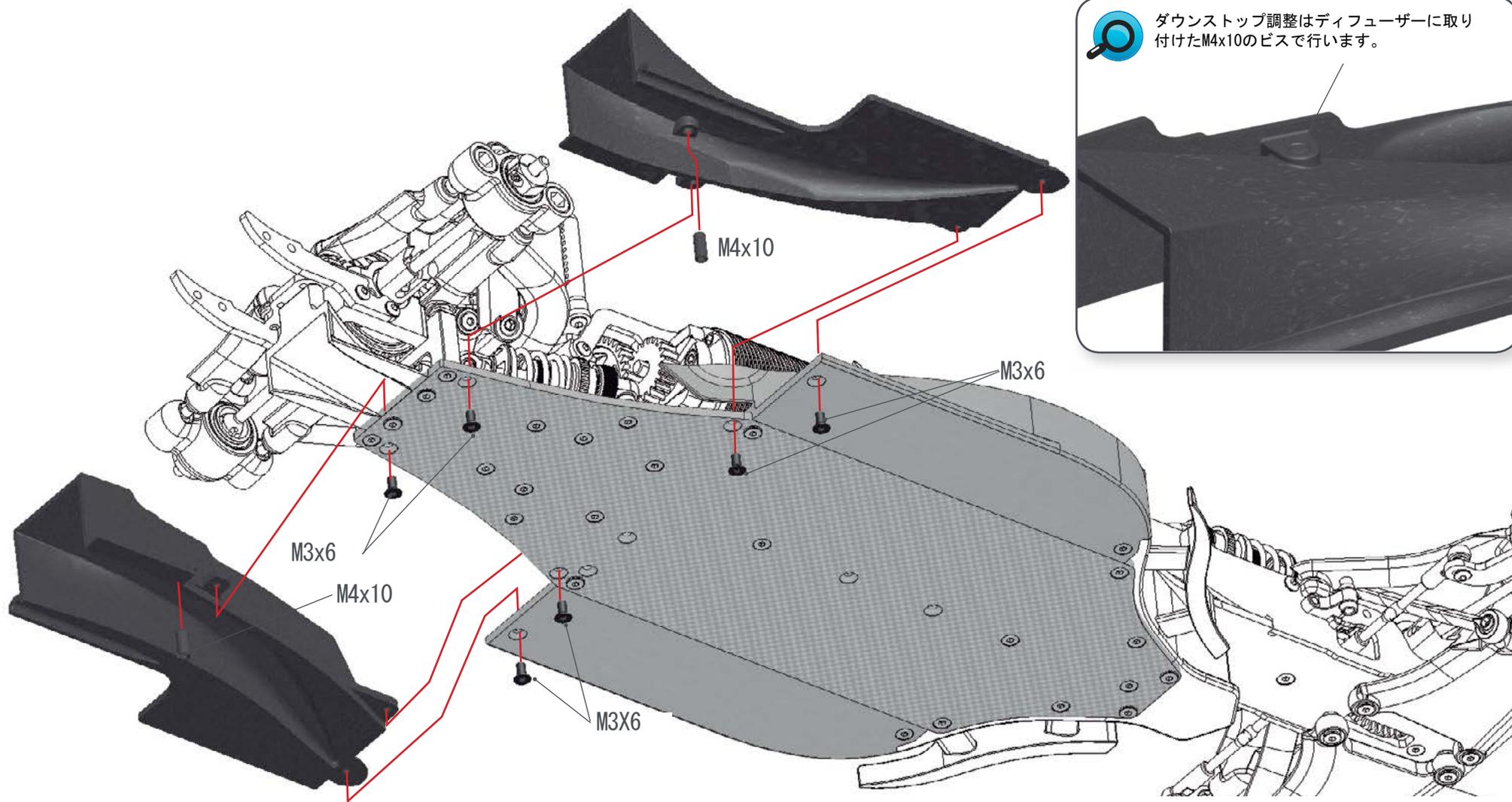
STEP 51



STEP 52



**STEP 53**



ダウストップ調整はディフューザーに取り付けたM4x10のビスで行います。

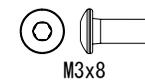
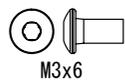
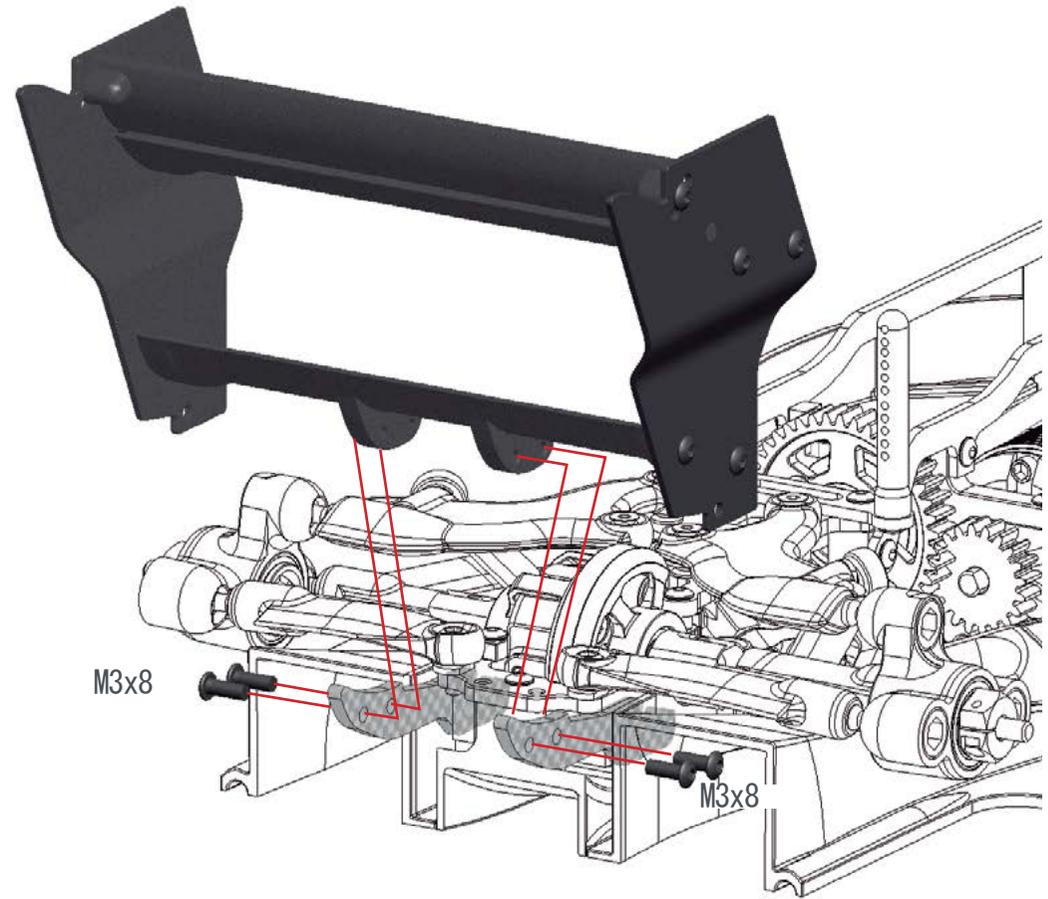


**STEP 54** bag 12

**54.1**

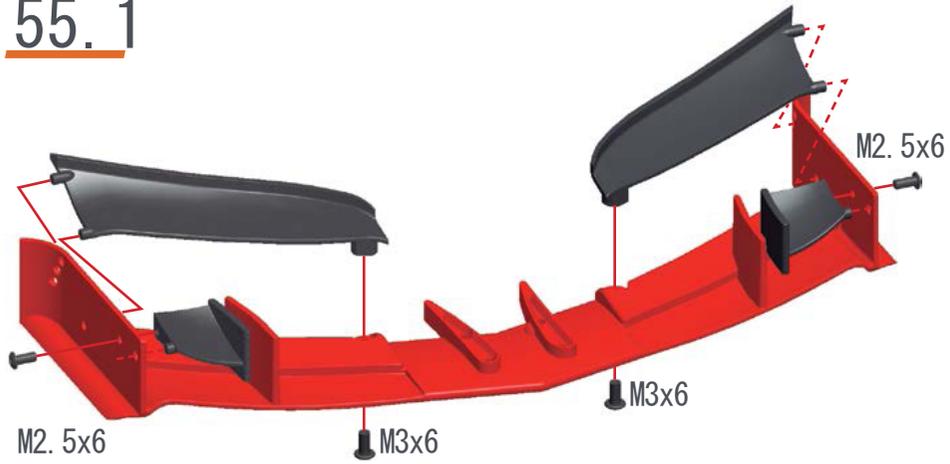


**54.2**

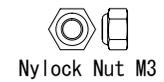
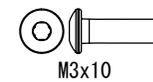
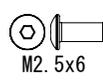
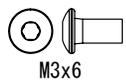
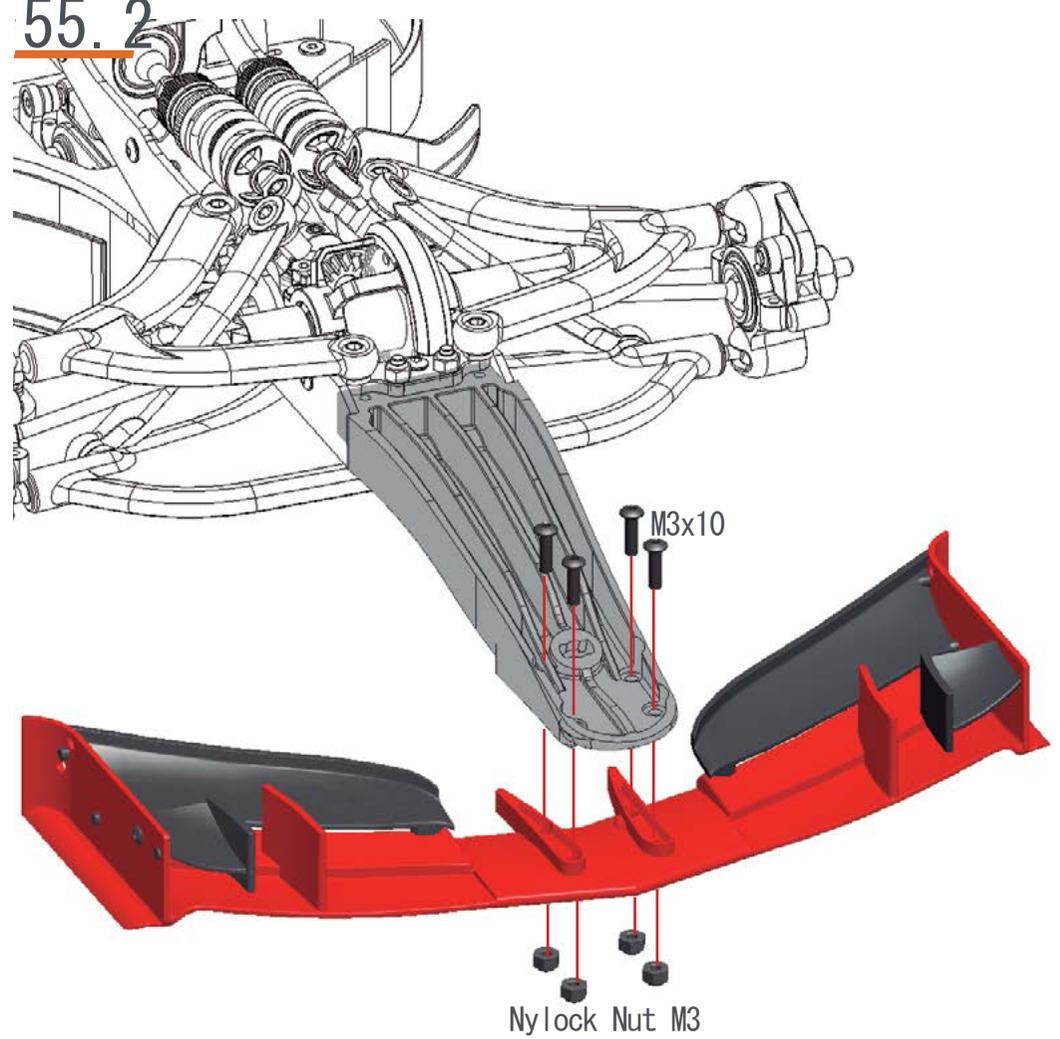


**STEP 55**

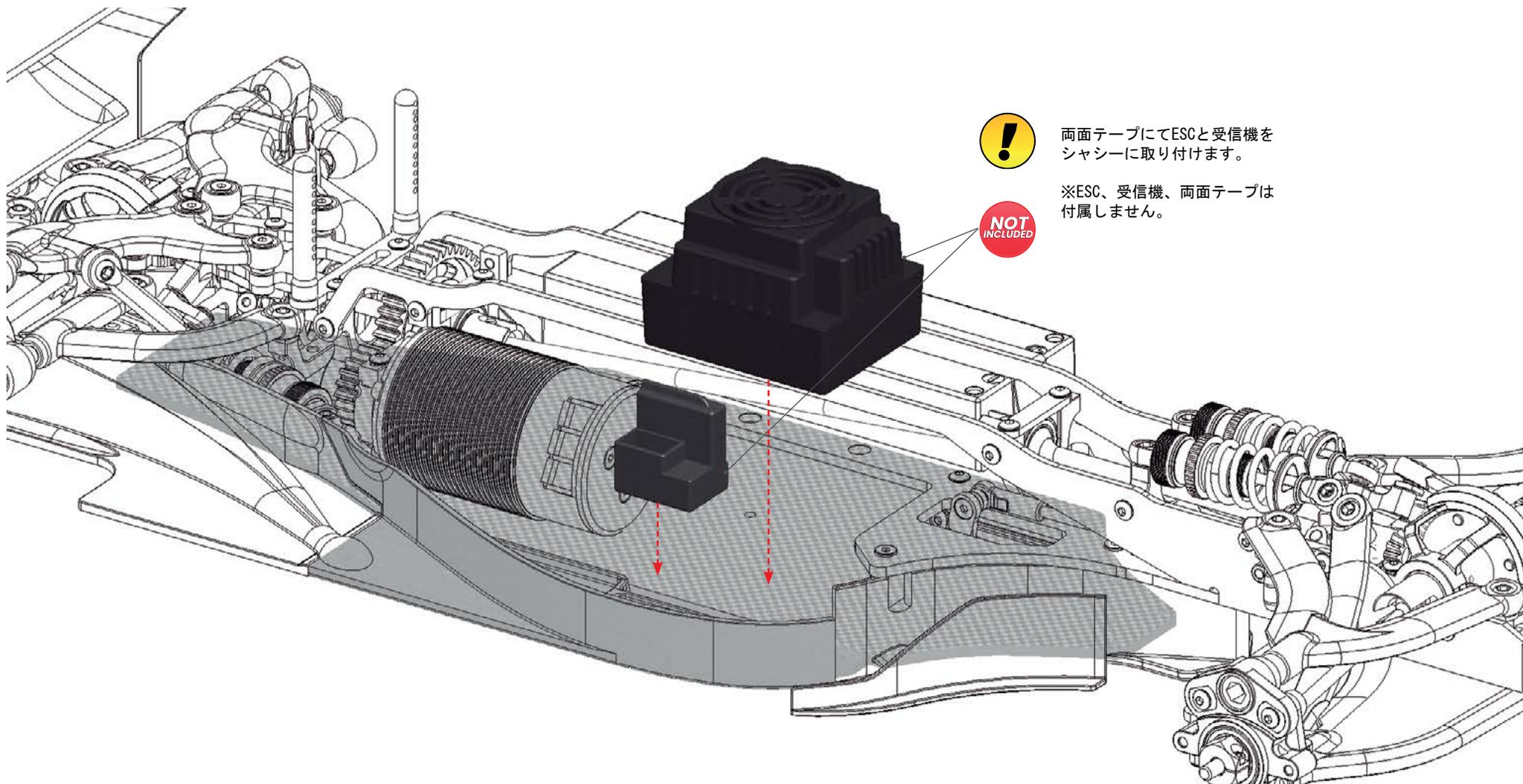
**55.1**



**55.2**



**STEP 56**

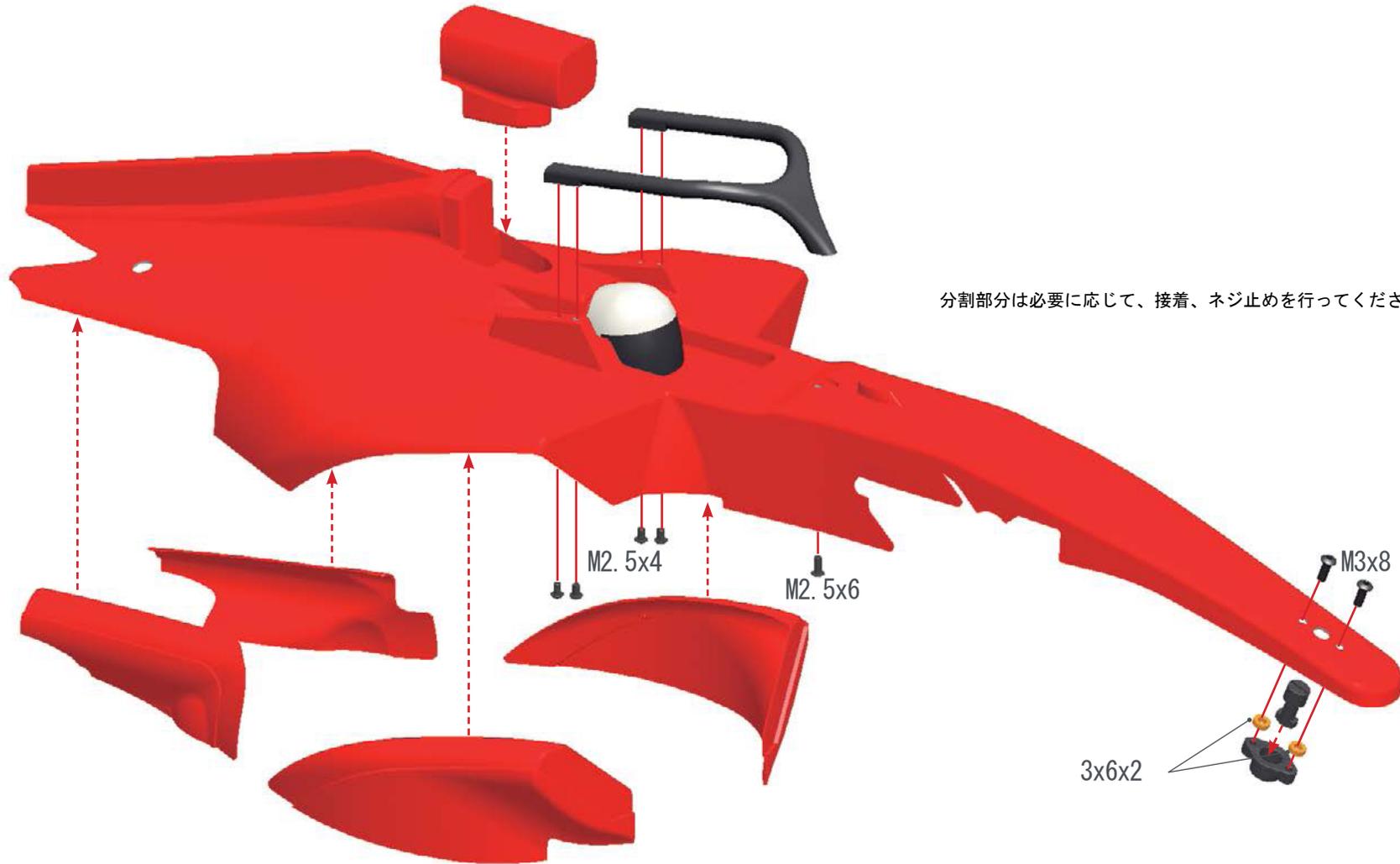


両面テープにてESCと受信機を  
シャーシに取り付けます。

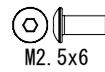


※ESC、受信機、両面テープは  
付属しません。

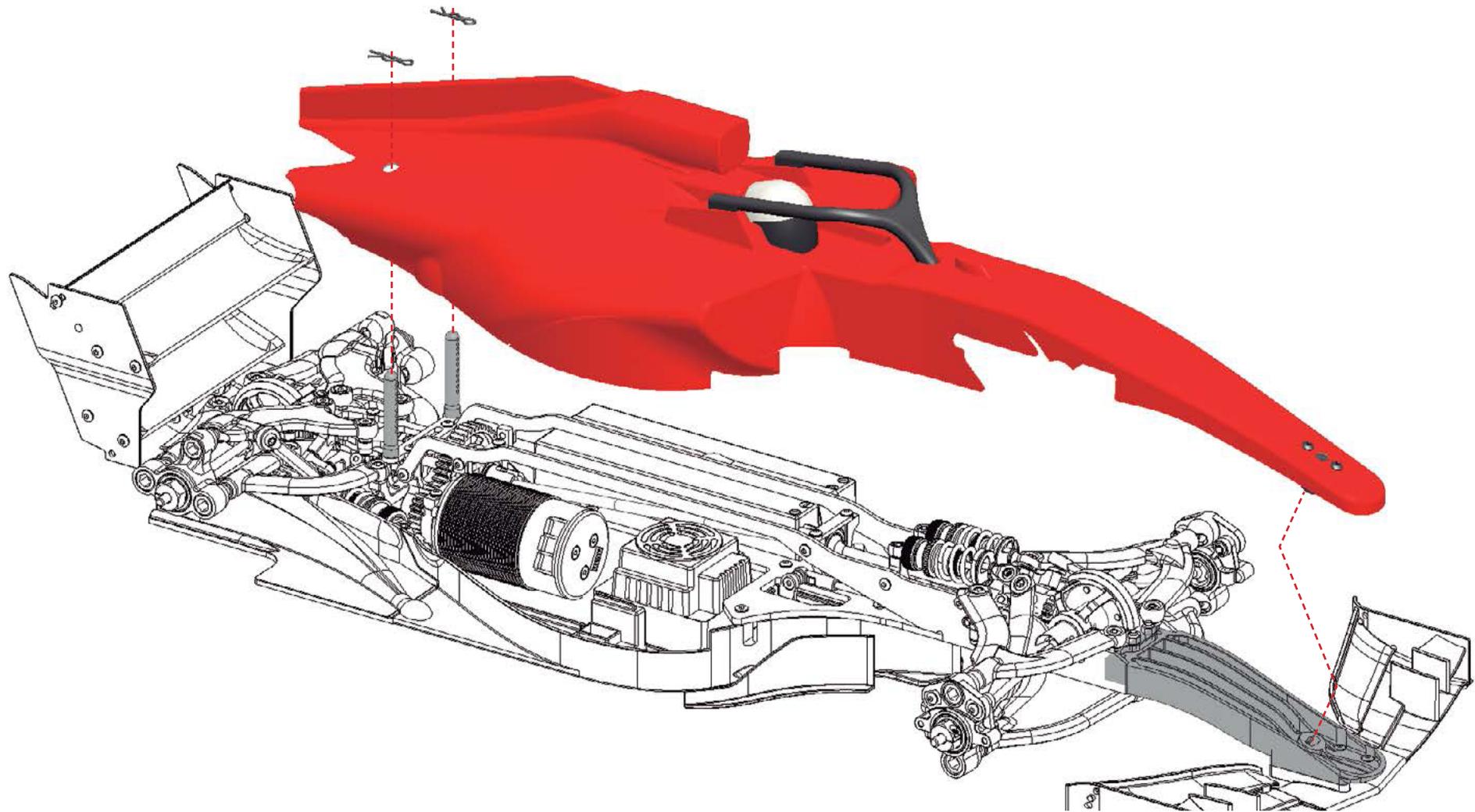
STEP 57 bag 13



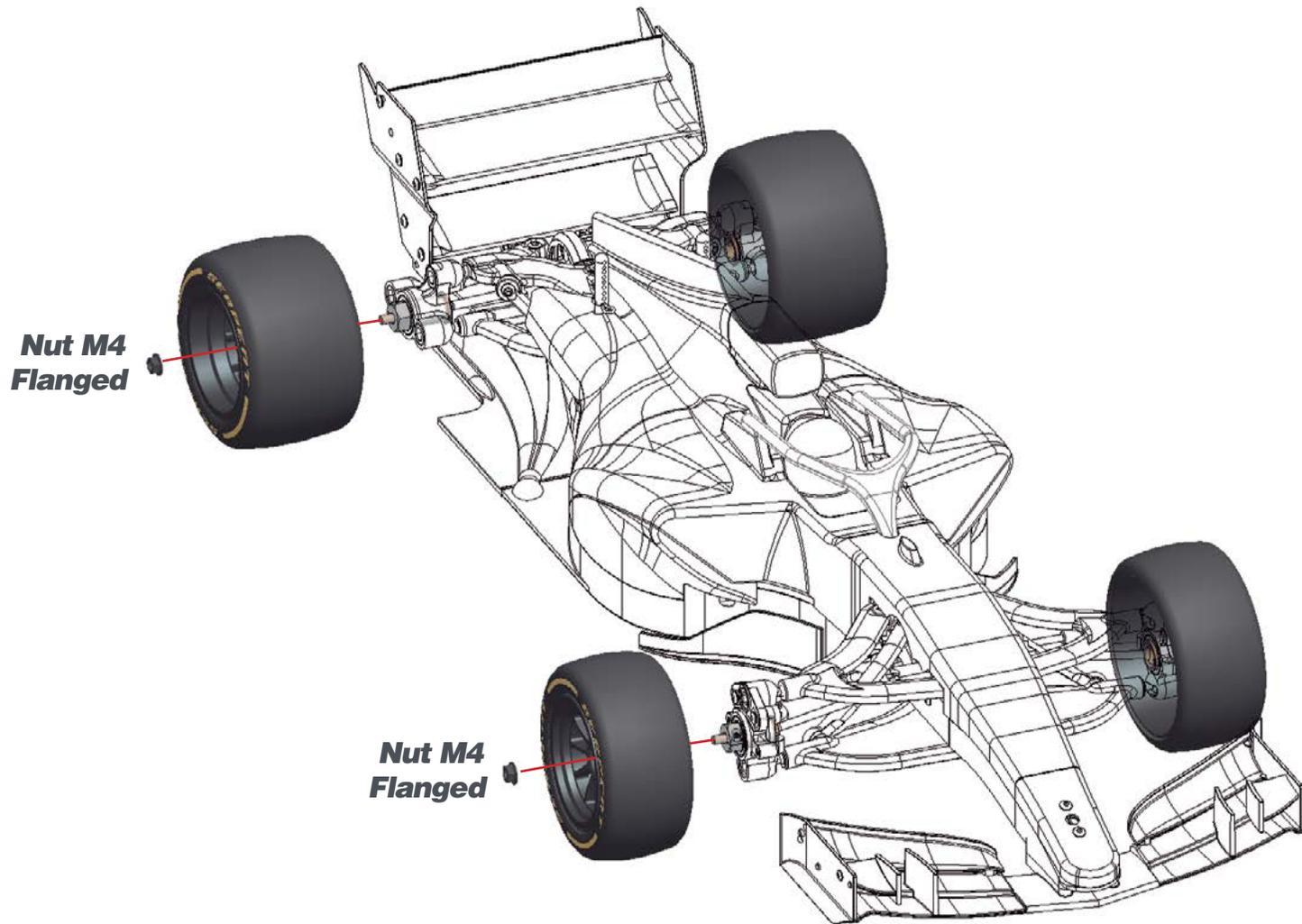
分割部分は必要に応じて、接着、ネジ止めを行ってください。



STEP 58

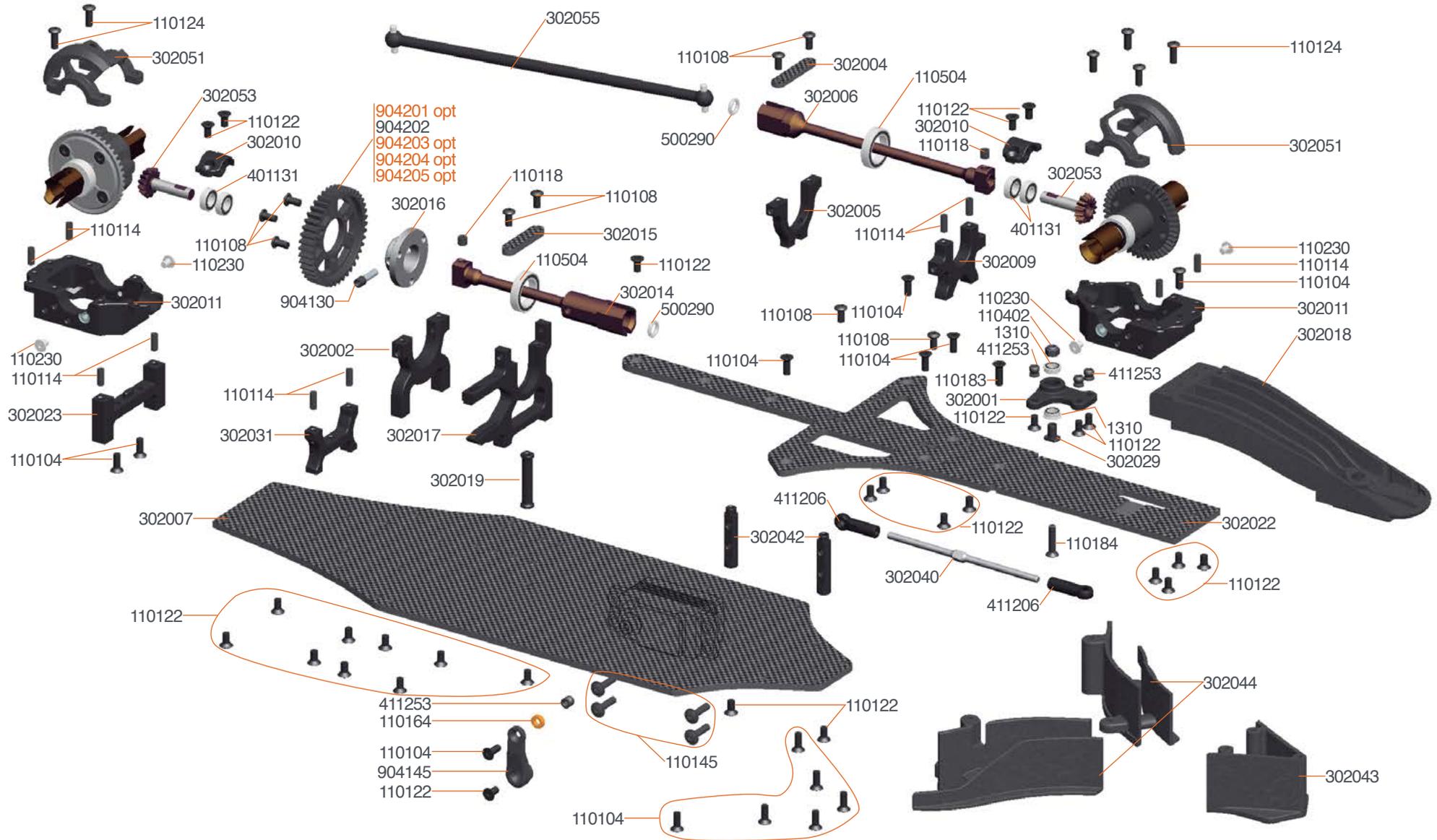


**STEP 59**





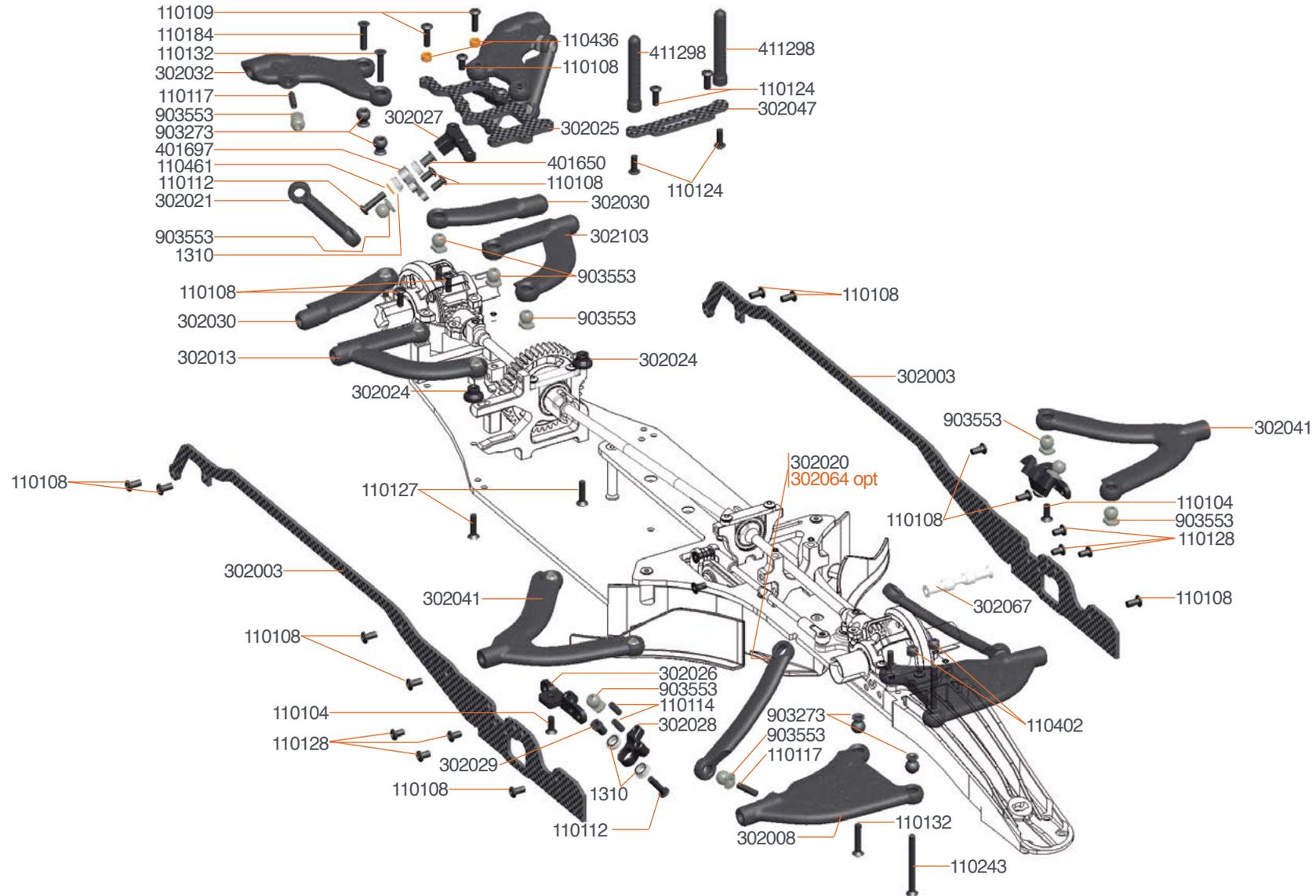
# TRANSMISSION EXPLODED VIEW



904201 Spurgear composite 40T M1  
904203 Spurgear composite 44T M1  
904204 Spurgear composite 46T M1

904205 Spurgear composite 45T M1

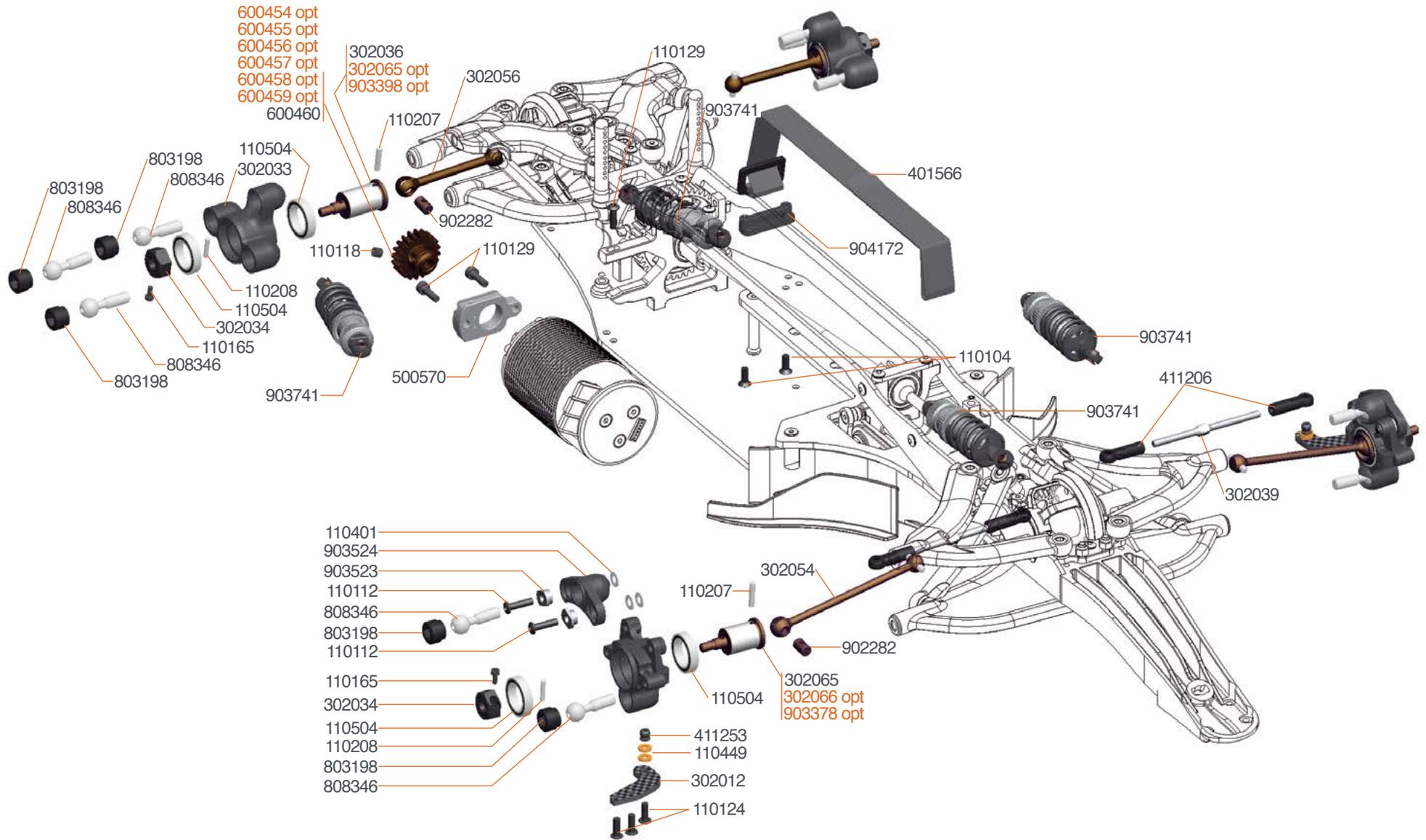
# SUSPENSION 1 EXPLODED VIEW



302064 Pushrod foam fr (2) F190  
302052 Downstop bracket alu (2) F190



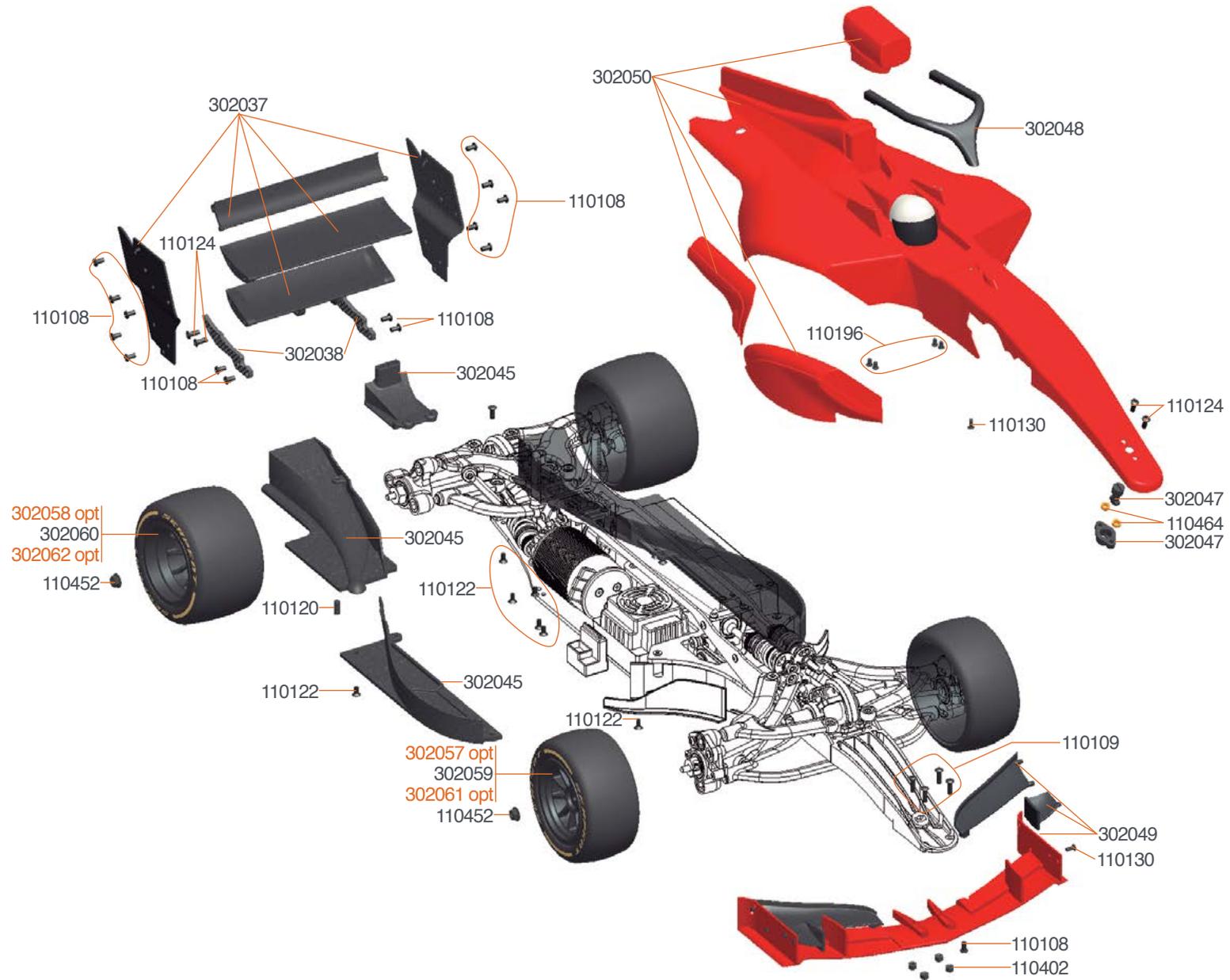
# SUSPENSION 2 EXPLODED VIEW



302065 Wheelaxle alu fr (2) F190  
 302066 Wheelaxle alu rr (2) F190  
 903267 Lever alu/spring/pin OS2 FR (2)  
 903269 Lever alu/spring/pin OS2 RR (2)

903378 Wheelaxle front OS2 alu (2)  
 903398 Wheelaxle cvd RR alu (2) 600454 Pinion 14T  
 600455 Pinion 15T  
 600456 Pinion 16T

600457 Pinion 17T  
 600458 Pinion 18T  
 600459 Pinion 19T



- 302057 Wheel/tyre set fr H (2) F190
- 302058 Wheel/tyre set rr H (2) F190
- 302061 Wheel/tyre set fr S (2) F190
- 302062 Wheel/tyre set rr S (2) F190



# F190

1/8 SCALE FORMULA 1 



Manual F190 #56609-1

**SERPENT**