

EXOTM


TERRA BUGGY



www.axialracing.com



CAUTIONS

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

CHOOSE THE RIGHT PLACE TO OPERATE YOUR R/C MODEL.

- Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage.
- Never run R/C models near people or animals.
- To avoid injury, do not run in confined spaces.
- Do not run where loud noises can disturb others, such as hospitals and residential areas.
- Never run indoors. There is a high risk of fire and/or damage.


INSPECT YOUR MODEL BEFORE OPERATION.

- Make sure that all screws and nuts are properly tightened. It is also a good idea to use removable thread lock wherever metal screws go into metal, especially for engine mounts and the engine pilot shaft.
- Always use fresh batteries for your transmitter and for your receiver to avoid losing control of the model.
- Always test the brakes and throttle before starting your engine to avoid losing control of the model.
- Make sure no one else is using the same radio frequency as you are using.

AFTER OPERATION OF YOUR R/C MODEL

- Turn off receiver first, then turn off transmitter, this will prevent runaways.
- Be careful when handling batteries, they will be hot after running.
- Replace any batteries that have been dented or have frayed wires, short circuits can cause fire.
- Be sure to keep your R/C model clean and free of excess dirt and grease, this will increase the life.

VORSICHT!

 **Um Verletzungen an Personen und/oder Sachschäden zu vermeiden, sollten alle ferngesteuerten Modelle sorgfältig und verantwortungsbewusst bedient werden, wie nachfolgend beschrieben.**

Wählen Sie den richtigen Platz zum Fahren

- Fahren Sie niemals auf öffentlichen Straßen. Dies könnte Verkehrsunfälle, Personen schäden oder Sachschäden verursachen.
- Fahren Sie niemals in der Nähe von anderen Personen oder Tieren.
- Fahren Sie niemals auf belebten Straßen.
- Fahren Sie nie in der Nähe von Wohnhäusern oder Krankenhäusern. Der Lärm könnte andere Personen stören.
- Fahren Sie niemals in Innenräumen. Dort könnte etwas beschädigt werden.


Überprüfen Sie Ihr Modell, bevor Sie es in Betrieb nehmen.

- Gehen Sie sicher, dass alle Schrauben und Muttern festgezogen sind. Verwenden Sie überall dort Schrauben-Sicherungslack, wo Metallschrauben in ein Metallgewinde greifen, besonders bei den Motorhaltern.
- Um Störungen zu vermeiden, benutzen Sie immer voll geladene Akkus in Ihrem Sender und Empfänger.
- Bevor Sie den Motor starten, sollten Sie immer die Funktion der Bremse und des Gashebels testen.
- Gehen Sie sicher, dass niemand mit der gleichen Frequenz fährt wie Sie.

Nach Betrieb des RC Modells:

- Zuerst den Empfänger abdrehen, dann den Sender abdrehen um unkontrolliertes Durchgehen zu vermeiden.
- Seien Sie vorsichtig mit gebrauchten Akkus, sie können nach dem Gebrauch heiß sein.
- Ersetzen Sie Akkus/Batterien die beschädigt sind oder schadhafte Kabel aufweisen, sie können Kurzschlüsse oder Feuer verursachen.
- Halten Sie Ihr Fahrzeug sauber und entfernen Sie Schmutz und Schmierfett, damit erhöhen Sie die Lebensdauer Ihres Modells.

PRECAUTIONS

 **Afin d'éviter toutes blessures corporelles et/ou dommages environnants, veuillez procéder en toute responsabilité comme indiqué ci-dessous**

Choisir le lieu adéquat pour faire rouler votre modèle.

- Ne jamais rouler dans les rues ou sur les routes ouvertes au public. Ceci peut provoquer de graves accidents.
- Ne jamais rouler près de personnes ou d'animaux.
- Pour éviter les blessures, ne pas rouler dans des espaces confinés.
- Ne jamais rouler où le bruit peut déranger, comme aux abords des hôpitaux ou des quartiers résidentiels.
- Ne jamais rouler à l'intérieur: les gaz d'échappement sont nocifs.

Controler votre modèle avant chaque utilisation.

- Vérifier que les vis et les écrous sont bien serrés. Il est très fortement conseillé d'utiliser du frein filet pour bloquer les vis qui sont en contact avec du métal et tout particulièrement les vis du moteur.
- Toujours utiliser des batteries bien chargées pour l'émission et la réception.
- Toujours vérifier les freins et la commande des gaz avant de démarrer.
- Vérifier qu'aucune autre personne n'utilise votre fréquence radio.

Après l'Opération De Votre Modèle de R/C

- Le virage du récepteur premier, alors virage de l'émetteur, ceci empêchera des fugitifs.
- Faire attention en contrôlant des piles, ils auront chaud après avoir couru.
- Remplacer n'importe quelles piles qui ont été cabossées ou a éraillé des fils, les court-circuits peuvent causer le feu.
- Etre sûr de garder votre modèle de R/C nettoie et libère de terre et la graisse supplémentaires, ceci augmentera la vie.

Equipment needed / Benötigtes Zubehör / Equipement nécessaire

Radio Gear / Fernsteueranlage / Equipement Radio

Radio control system

• You will need a 2-Channel radio system with one servo, receiver, an electronic speed control with an ON/OFF switch.

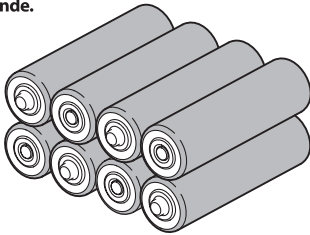
Fernsteueranlage

• Sie werden ein 2-Kanal Radio System mit einem Servo, Empfänger, eine elektronische Geschwindigkeitssteuerung mit einem Netzschalter brauchen.

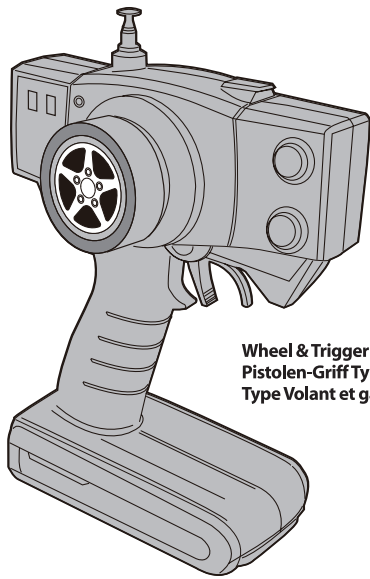
Ensemble radiocommande

• Vous aurez besoin d'un système de radio de 2 Chaînes avec un servo, le récepteur, un contrôle de vitesse électronique avec un interrupteur(on-off).

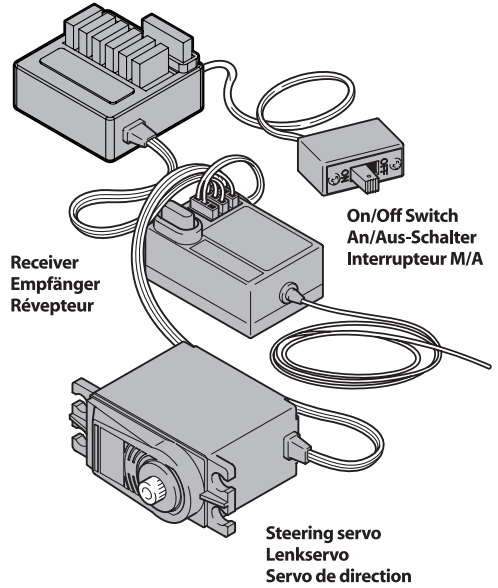
- 8AA Alkaline Dry Batteries.
- 8 St. AA Trockenbatterien.
- 8 piles type R6 pour votre radio commande.



8x



Wheel & Trigger Type
Pistolen-Griff Typ
Type Volant et gachette



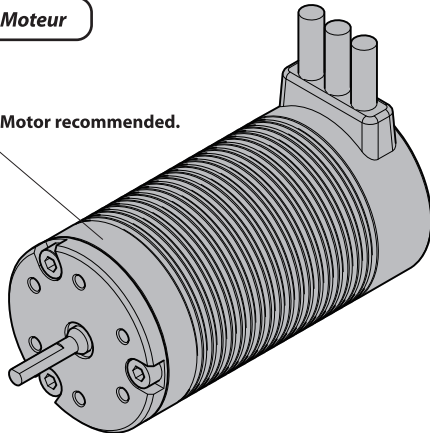
Receiver
Empfänger
Récepteur

On/Off Switch
An/Aus-Schalter
Interrupteur M/A

Steering servo
Lenkservo
Servo de direction

Motor / Motoren / Moteur

540 or 550 Brushless Motor recommended.

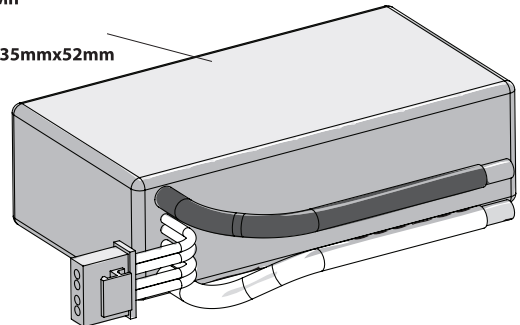


Battery / Akku / Batterie

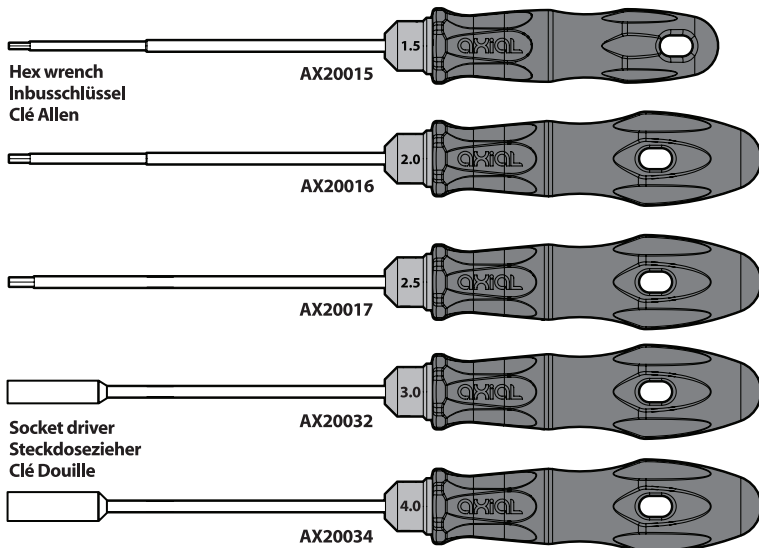
Battery / Akku / Batterie

Recommended Battery:
Standard 6-cell NiMH
Standard 2S Lipo

Max Size: 149mmx35mmx52mm



Tools Recommended / Benötigte Werkzeuge / Outillage



Hex wrench
Inbusschlüssel
Clé Allen

AX20015

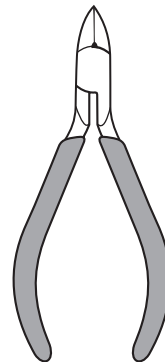
AX20016

AX20017

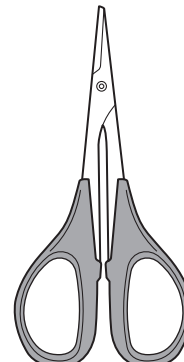
AX20032

AX20034

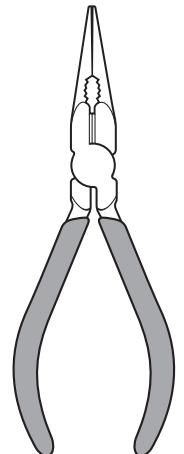
Socket driver
Steckdosezieher
Clé Douille



Side cutter
Seitenschneider
Pincès coupantes

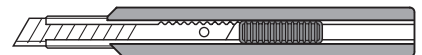


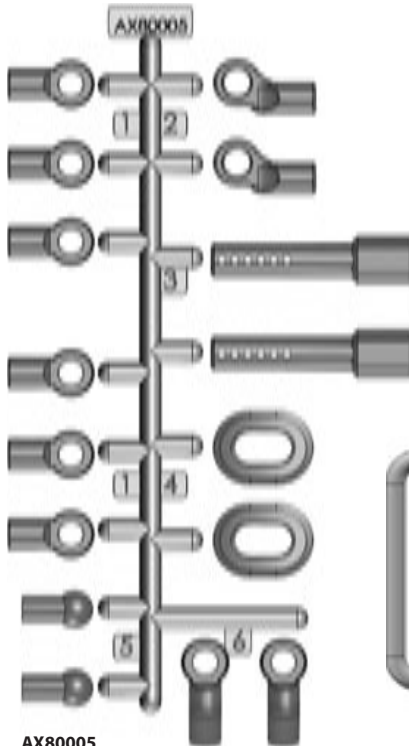
Curved scissors
Schere
Ciseaux



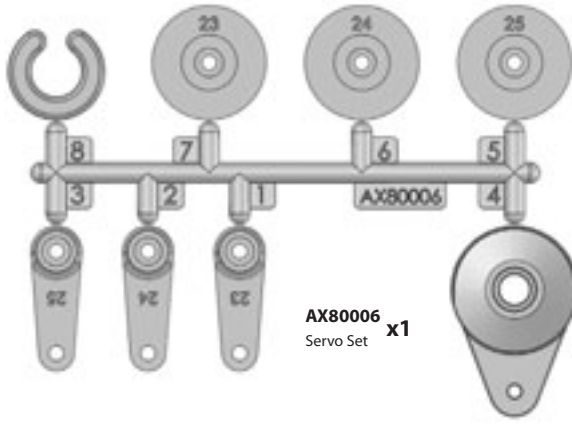
Long nose pliers
Flachzange
Pincès à becs longs

Modeling knife
Modelliermesser
Couteau de modéliste

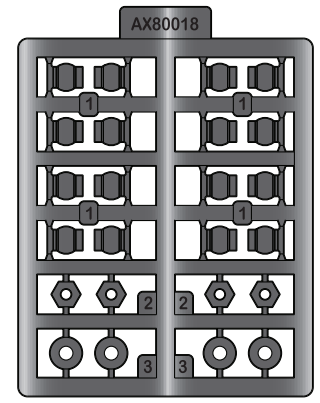




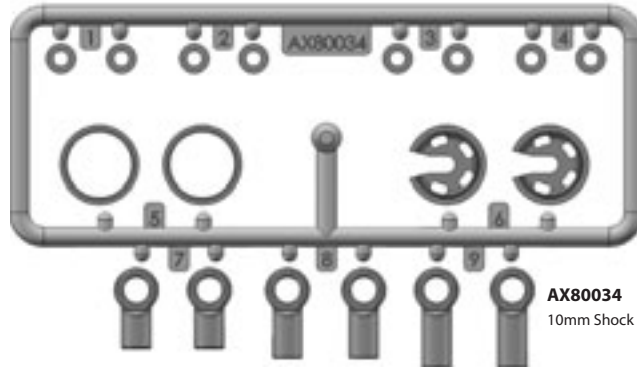
AX80005 x1
Ball End



AX80006 x1
Servo Set



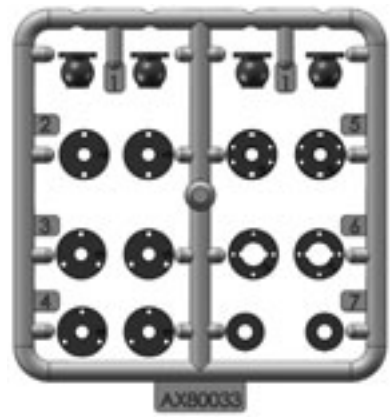
AX80018 x2
Hardware Parts Tree



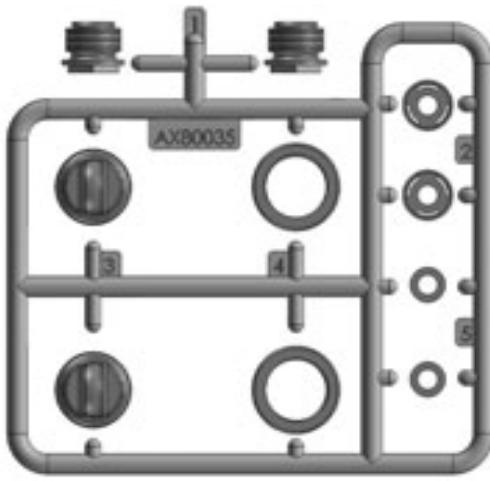
AX80034 x2
10mm Shock Set 2



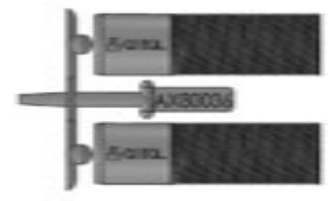
AX30743 x1
52T Spur Gear



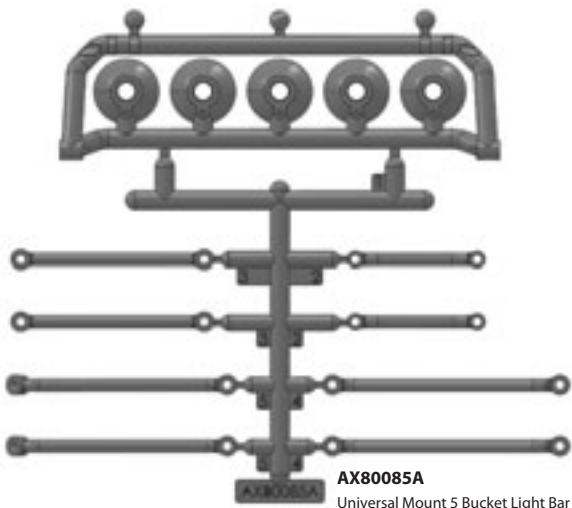
AX80033 x2
10mm Shock Set 1



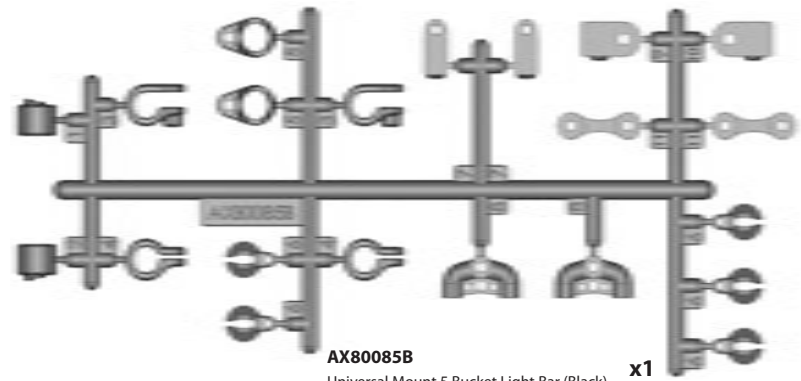
AX80035 x2
10mm Shock Caps Set



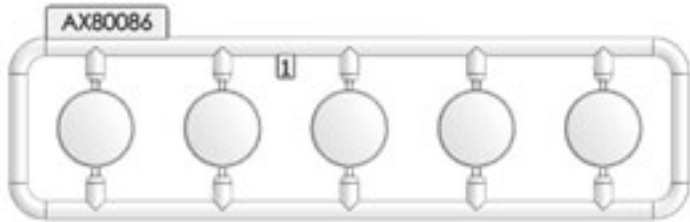
AX80036 x1
72-103mm Shock Body



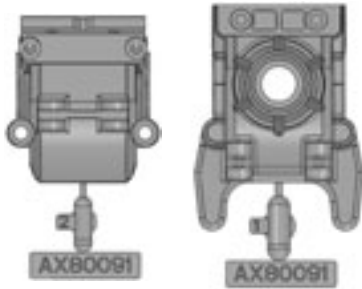
AX80085A x1
Universal Mount 5 Bucket Light Bar (Black)



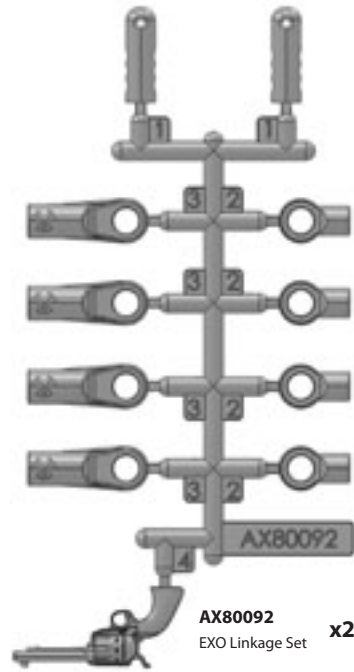
AX80085B x1
Universal Mount 5 Bucket Light Bar (Black)



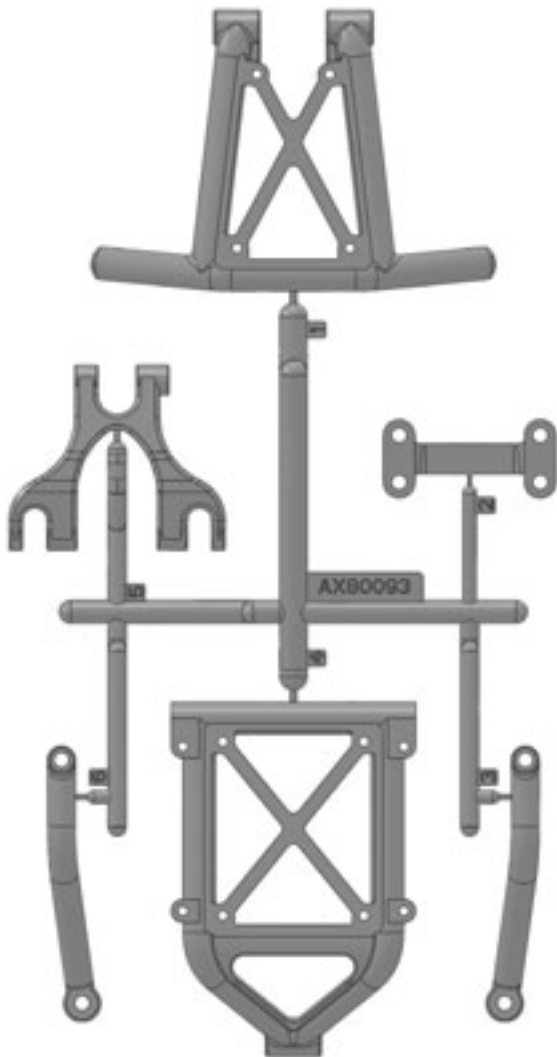
AX80086
Light Bar Lenses (Clear) **x1**



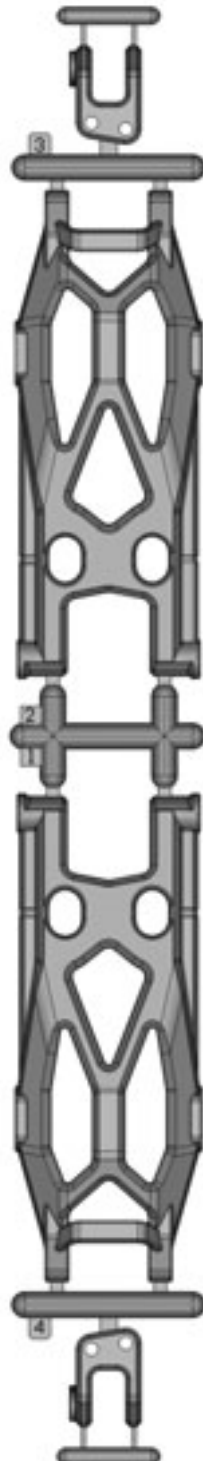
AX80091
EXO Bulkhead **x2**



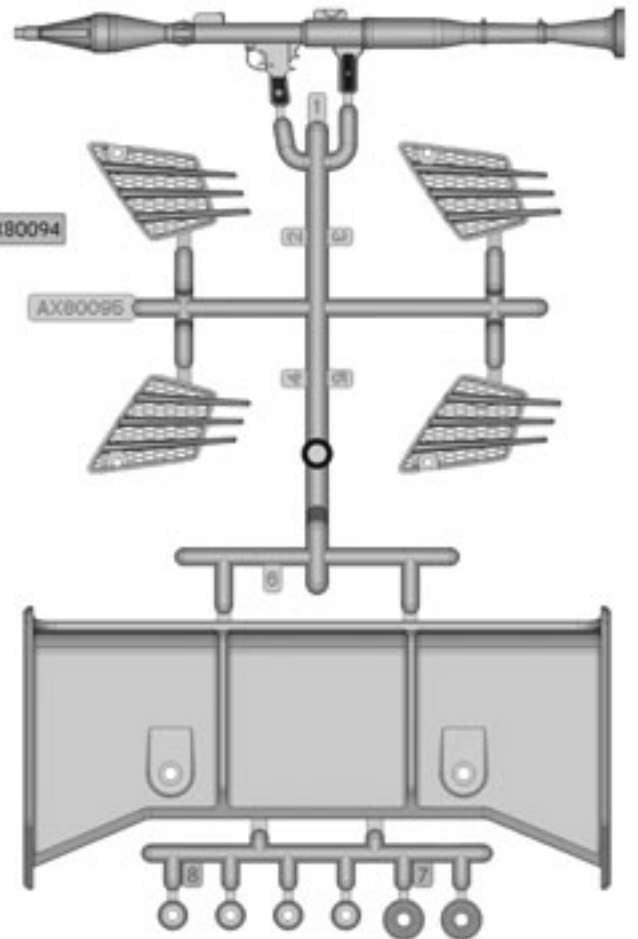
AX80092
EXO Linkage Set **x2**



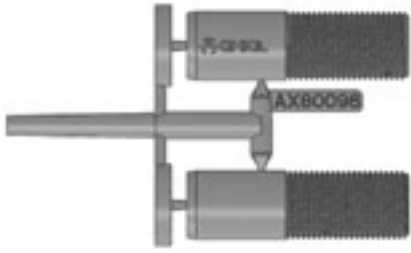
AX80093
EXO Tube Bumpers (Front and Rear) **x1**



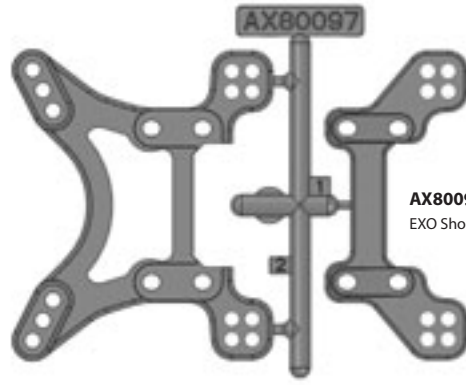
AX80094
EXO Lower Rear Control Arms Set **x1**



AX80095
EXO Rear Wing and Vents **x1**



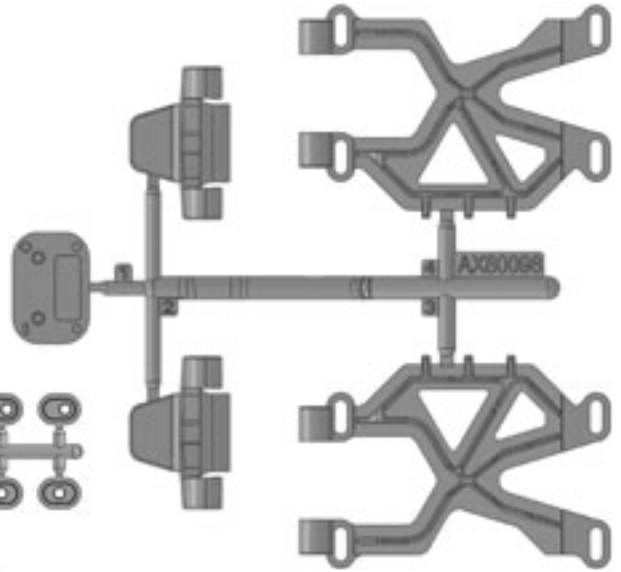
AX80096
67-90mm Shock Body Set **x1**



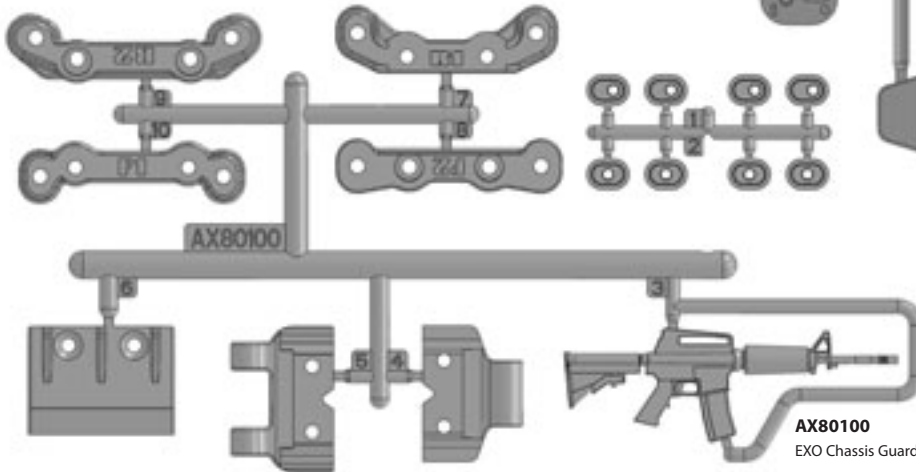
AX80097
EXO Shock Tower Set (Front and Rear) **x1**



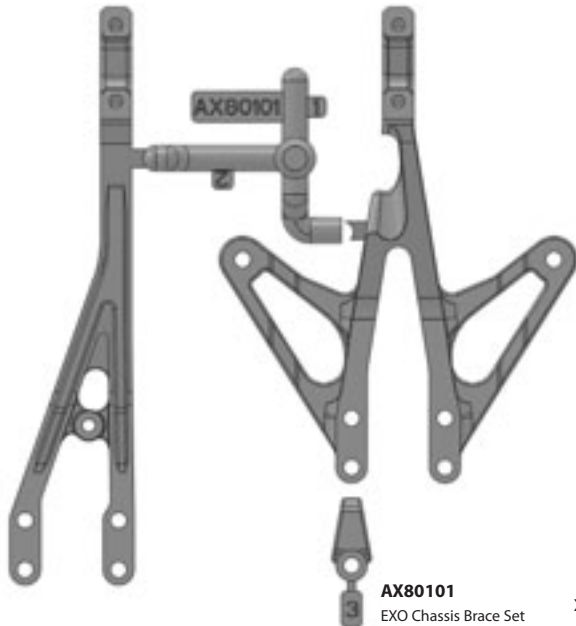
AX80099
EXO Steering Knuckle Set **x1**



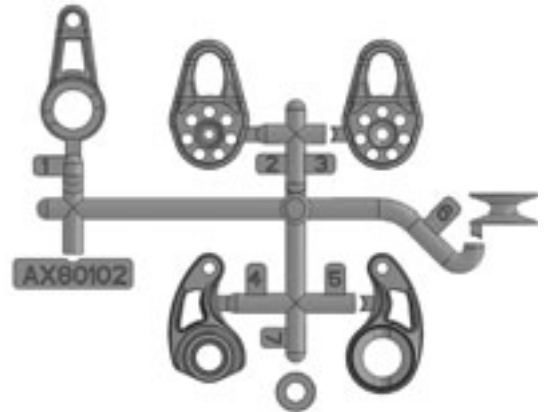
AX80098
EXO Adjustable Battery Mount Set **x1**



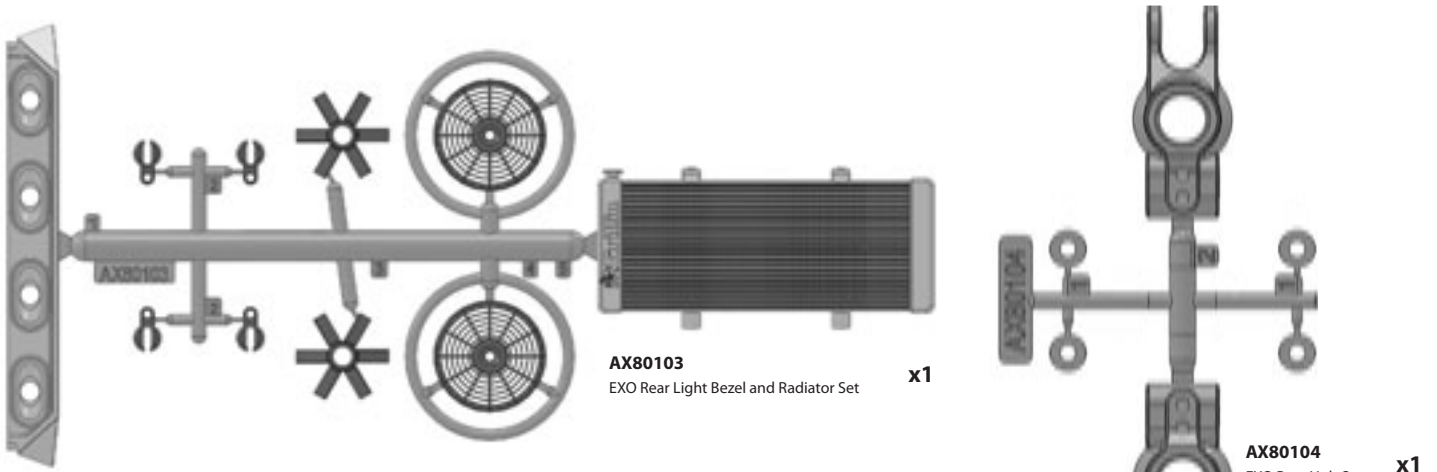
AX80100
EXO Chassis Guard and Toe Block Insert Set (Front and Rear) **x1**



AX80101
EXO Chassis Brace Set **x1**

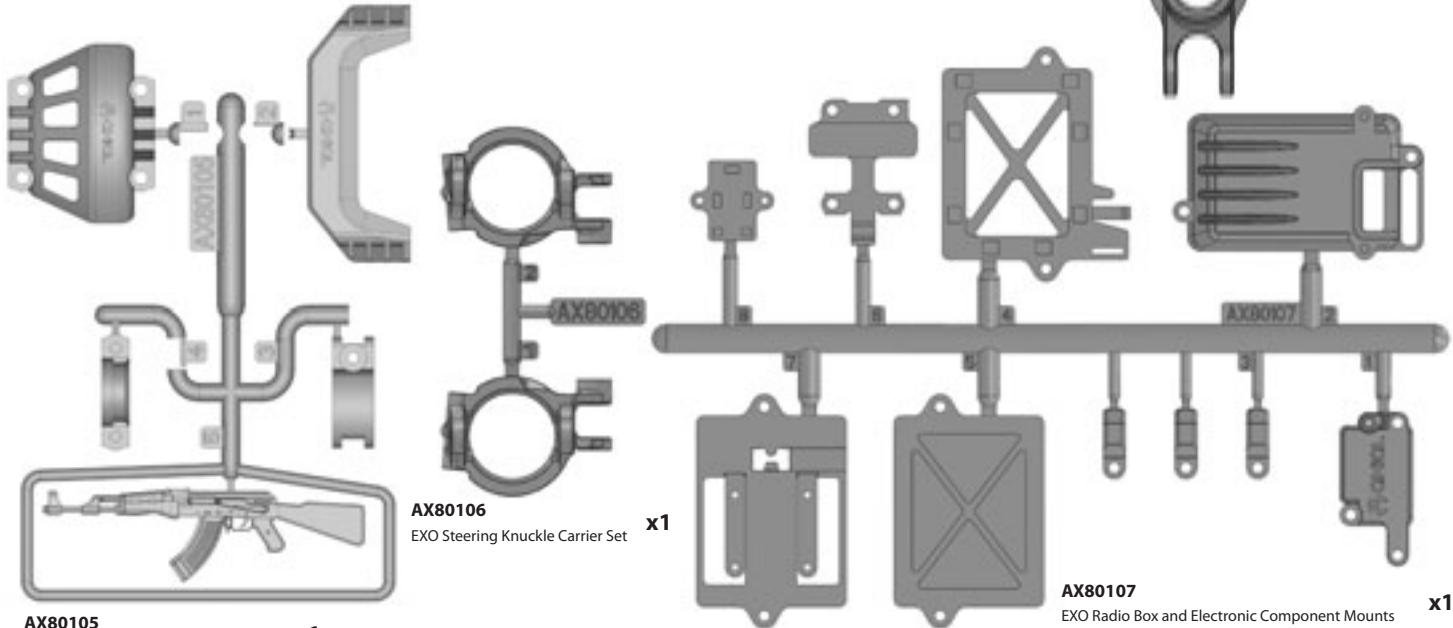


AX80102
EXO Servo Saver Set **x1**



AX80103
EXO Rear Light Bezel and Radiator Set **x1**

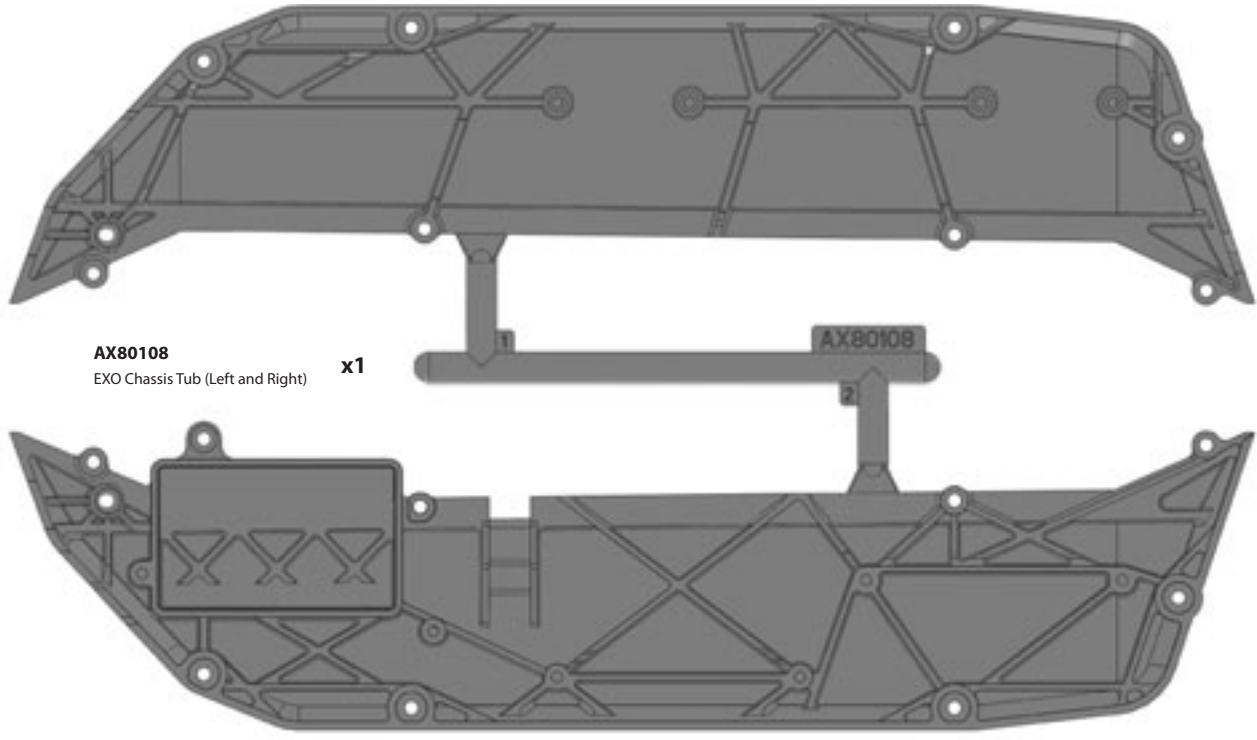
AX80104
EXO Rear Hub Set **x1**



AX80105
EXO Chassis Component Mounts **x1**

AX80106
EXO Steering Knuckle Carrier Set **x1**

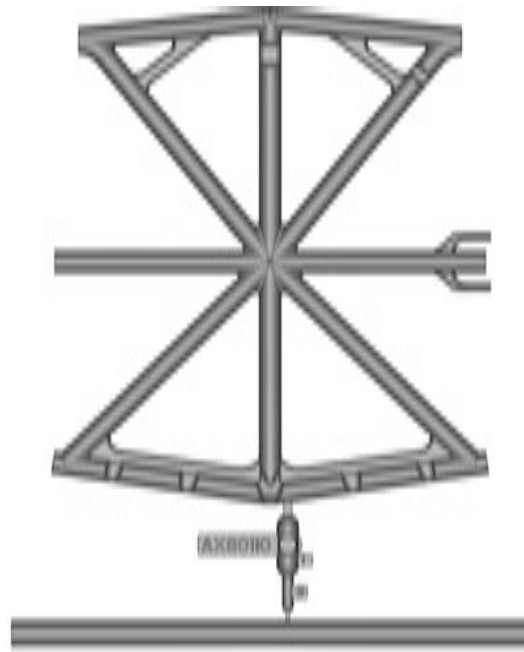
AX80107
EXO Radio Box and Electronic Component Mounts **x1**



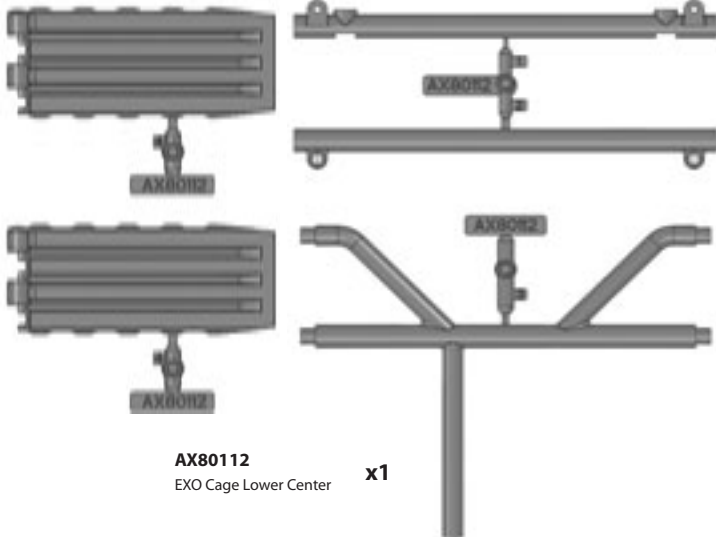
AX80108
EXO Chassis Tub (Left and Right) **x1**



AX80109
EXO Cage Center Rear **x1**



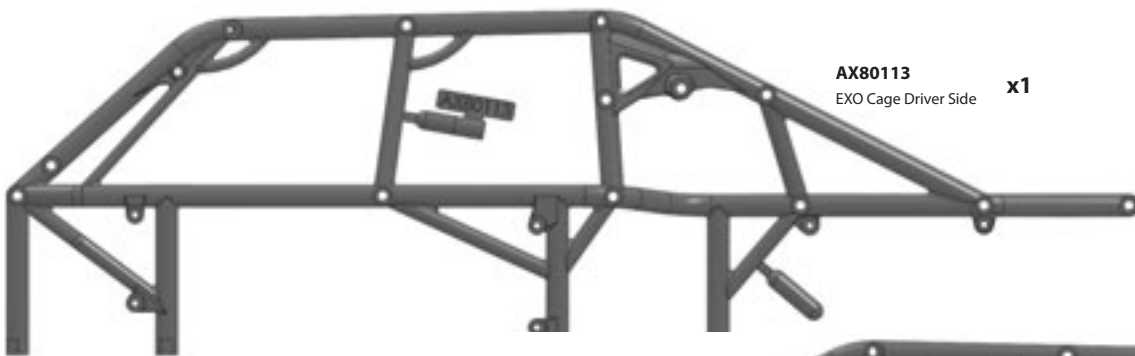
AX80110
EXO Cage Center Top and Front **x1**



AX80112
EXO Cage Lower Center **x1**



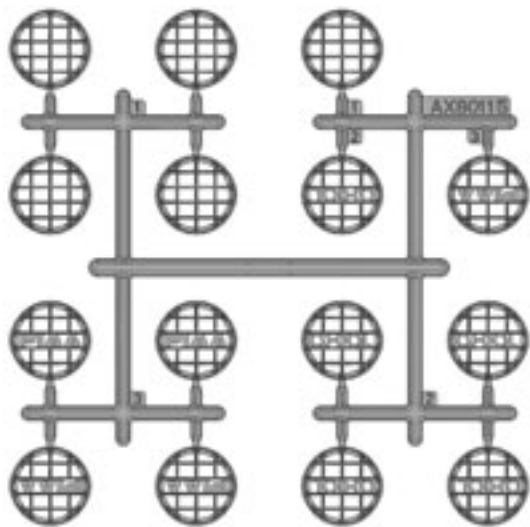
AX80111
EXO Lower Front Control Arms Set **x1**



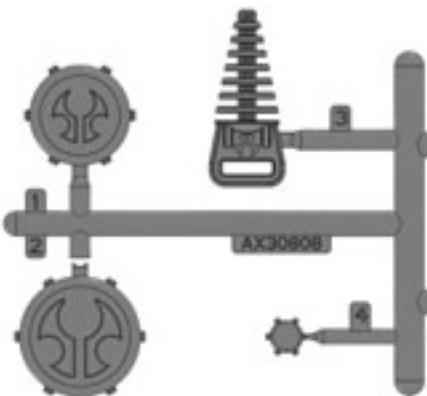
AX80113
EXO Cage Driver Side **x1**



AX80114
EXO Cage Passenger side **x1**



AX80115
Light Bar Lens Grills (Axial, PIAA, Un-Marked) **x1**



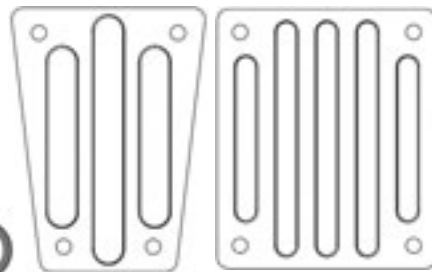
AX30808
EXO Battery Straps (Pair) **x1**



AX30864
EXO Rear Toe Block Set Aluminum (2pcs) **x1**



AX30409
EXO Steering Rack Aluminum (Black) **x1**



AX30799
EXO Bumper Skid Plates Aluminum (Front and Rear) **x1**



AX30863
EXO Front Toe Block Set Aluminum (2pcs) **x1**



AX30802
EXO Rear Shock Tower Brace Set Aluminum (2pcs) **x1**



AX30424
EXO Center Driveline Dogbone Set (2pcs) **x1**



AX30379
Dogbone Set 7x94mm (2pcs) **x2**



AX30418
Dogbone Set 7x96mm (2pcs) **x2**



AX30800
EXO Adjustable Motor Mount system (Black) (2pcs) **x1**



AX30424
EXO Center Driveline Dogbone Set (2pcs) **x1**



AX30163
Pin 2x10mm **x6**



AX30170
Shaft 3x22 **x3**



AXA180
M3x3mm **x4**



AXA181
M3x4mm **x10**



AXA291
M4x4mm **x1**



AXA294
M4x8mm **x1**



AXA175
Screw Shaft M3x2.5x11mm **x1**



AXA286
Screw Shaft M4x2.5x12mm **x2**



AX30390
10T Spider Gear **x6**



AX30390
13T Spider Gear **x6**



AX30393
13T Bevel Gear **x2**



AX30723
12T 32P Pinion 3mm Motor Shaft **x1**



AX30806
EXO Servo Saver Spring - Firm **x1**



AX30801
EXO Servo Saver Retaining Shaft **x1**



AX30113
Rubber Bump Stop 3.6x7x4 **x4**



AX30112
Shock Diaphragm 13x4.5mm **x4**



AX30801
EXO Servo Saver Retaining Nut **x1**



AX30382
EXO Steering King Pin (TiNi Coated) **x4**



AX30384
EXO Steering Post Steel **x2**



AX30408
Input Shaft 5x29mm **x2**



AX30174
Pin 3x29mm **x4**



AX30173
Pin 2.5x31.5mm **x2**



AXA0128
M3x61mm Hex Socket Button Head Screw Shaft **x4**



AX30155
Shock Shaft 3x59.5 **x2**



AX30147
Shock Shaft 3x53.5 **x2**



AX30383
EXO Heavy Duty Differential Input Shaft **x2**



AX30381
EXO Heavy Duty Differential Output Shaft **x6**



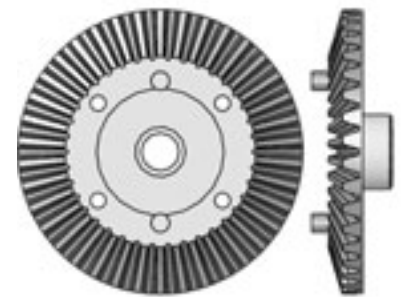
AX30366
Axle 5x35mm **x4**



AXA1059
6mm Body Clips **x2**



AX30427
12mm Aluminum Hub (Black) **x2**



AX30392
38T Bevel Gear **x2**



AX30385
Diff Gasket 16x25x0.5mm **x3**



AX30229
Spring 14x54mm 4.33lbs/in - Firm (Yellow) **x2**



AX30221
Spring 14x70mm 3.27 lbs/in - Firm (Yellow) **x2**



AXA1635
M3x35mm Turnbuckle **x1**



AXA1640
M3x60mm Turnbuckle **x2**



AXA1641
M3x65mm Turnbuckle **x4**



AXA1041
M2.5 Nylon Lock Nut **x4**



AXA1052
M3 Thin Nylon Locking Hex Nut **x10**



AXA1053
M3 Nylon Locking Hex Nut **x12**



AXA1045
M4 Nylon Lock Nut **x4**



AXA1069
Washer 2.7x6.7x0.5 mm **x8**



AXA1162
O-Ring 4.6x1mm **x12**



AXA1184
O-Ring 7.5x1.5mm **x4**



AXA1202
O-Ring 3.5x2mm **x8**



AXA1210
Bearing 4x7x2.5mm **x4**



AXA1222
Flanged Ball Bearing 6x3x2.5mm **x2**



AXA1218
Bearing 5x10x4mm **x4**



AXA1221
Bearing 5x11x4mm **x4**



AXA1230
Bearing 10x15x4mm **x10**



AXA1280
M3x10mm Servo Flange Screw **x4**



AXA1393
E2.5 e-clip **x8**



AXA013
M2x6mm **x9**



AXA015
M2x10mm **x12**



AXA084
M3x8mm **x2**



AXA085
M3x10mm **x1**



AXA086
M3x12mm **x2**



AXA093
M3x40mm **x2**



AXA0113
M3x6mm **x2**



AXA114
M3x8mm **x23**



AXA115
M3x10mm **x14**



AXA116
M3x12mm **x9**



AXA117
M3x15mm **x4**



AXA118
M3x18mm **x8**



AXA121
M3x30mm **x1**



AXA146
M3x12mm **x16**



AXA0413
M2.6x8mm **x4**



AXA466
M3x12mm **x4**



AXA467
M3x16mm **x8**



AXA468
M3x18mm **x2**



AXA0422
M2.6x6mm **x40**



AXA0424
M2.6x10mm **x6**



AXA435
M3x10mm **x3**



AXA436
M3x12mm **x4**



AXA0437
M3x15mm **x8**



AXA438
M3x18mm **x32**



AXA0439
M3x20mm **x7**



AXA440
M3x25mm **x6**



AXA441
M3x30mm **x6**



AXA442
M3x35mm **x2**

A

Open Bag A

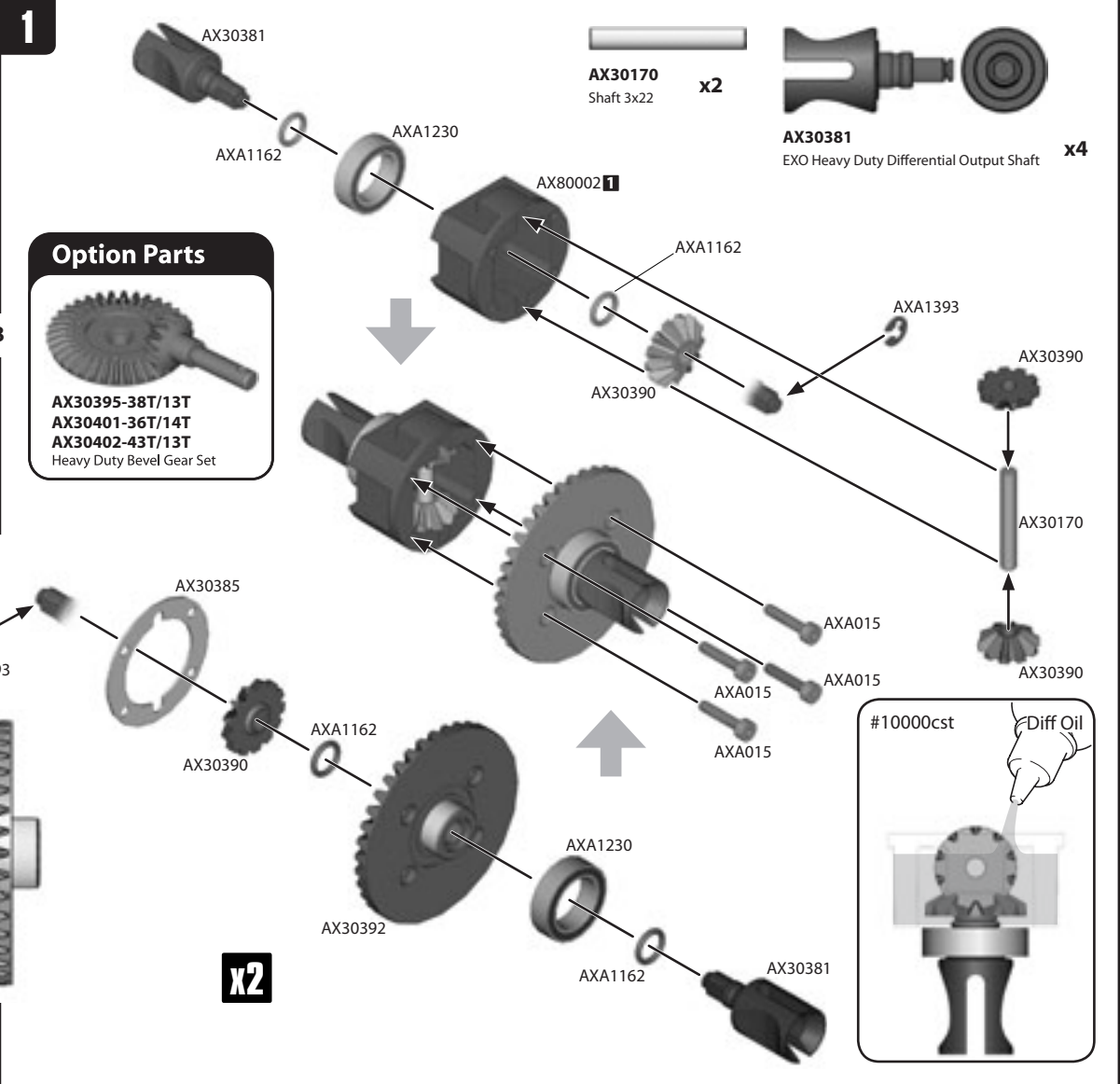
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- AXA015** x8
M2x10mm
- AXA1393** x4
E2.5 e-clip
- AX30390** x4
10T Spider Gear
- AXA1162** x8
O-Ring 4.6x1mm
- AX30390** x4
13T Spider Gear
- AXA1230** x4
Bearing 10x15x4mm
- AX30392** x2
38T Bevel Gear

Option Parts

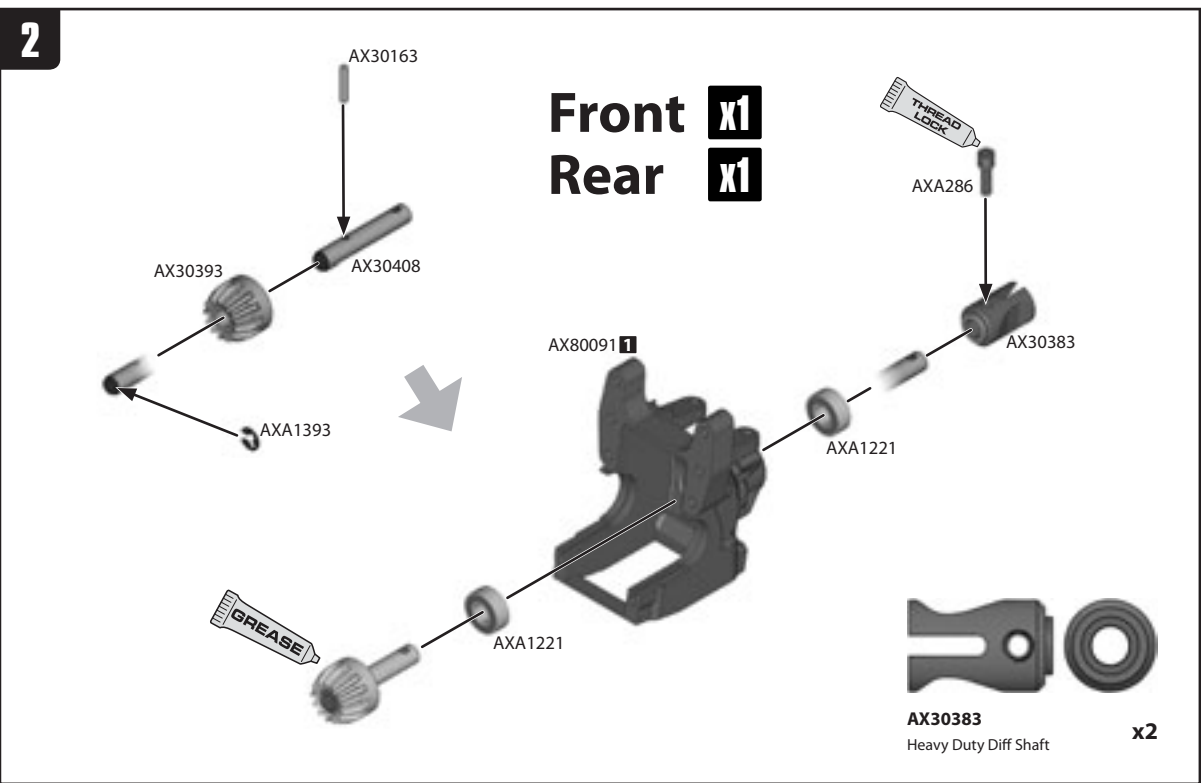
- AX30395-38T/13T
- AX30401-36T/14T
- AX30402-43T/13T

Heavy Duty Bevel Gear Set



- AX30163** x2
Pin 2x10mm
- AXA1393** x2
E2.5 e-clip
- AXA286** x2
Screw Shaft M4x2.5x12mm
- AXA1221** x4
Bearing 5x11x4mm
- AX30408** x2
Input Shaft 5x29mm
- AX30393** x2
13T Bevel Gear

2



Front x1
Rear x1

B**Open Bag B****3 Front****AXA466**
M3x12mm**x2****AXA467**
M3x16mm**x4**

AXA466

AXA466

AX80091 **2**

GREASE

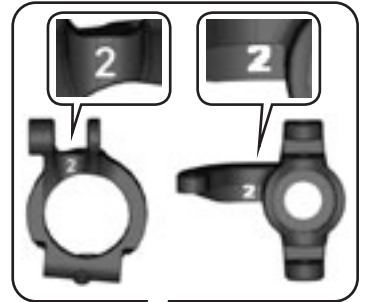
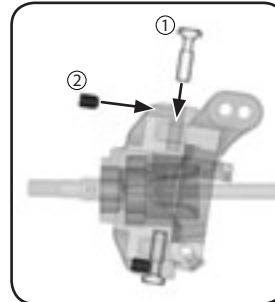
AX80093 **2**AX80097 **2**

AXA467

AXA467

AXA467

AXA467

Note Direction↑
Front↓
Rear**Option Parts****AX30825**
EXO Machined Aluminum Front
Shock Tower (Hard Anodized)**AXA181**
M3x4mm**x4****AX30382**
EXO Steering King Pin (TINI Coated)**x4****AXA1218**
Bearing 5x10x4mm**x2****AXA1230**
Bearing 10x15x4mm**x2****AX30366**
Axle 5x35mm**x2****4****Option Parts****AX30415**
EXO Front Universal Joint Axle Set (2pcs)**Left**

AX30418

AX30366

AX80106 **2**

AX30382

AXA181

AXA1218

AX80099 **1**

AXA181

AX30382

AX30382

AXA181

AX80099 **2**AX80106 **1**

AXA1218

AXA181

AX30382

AXA1230

AX30366

Right

AX30418

AX30418

Dogbone Set 7x96mm (2pcs)

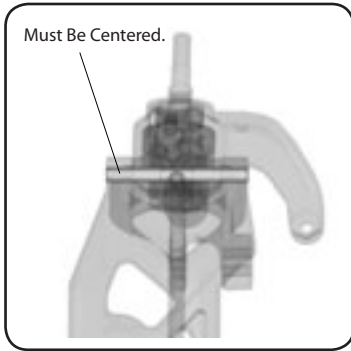
x2

AXA181
M3x4mm **x2**

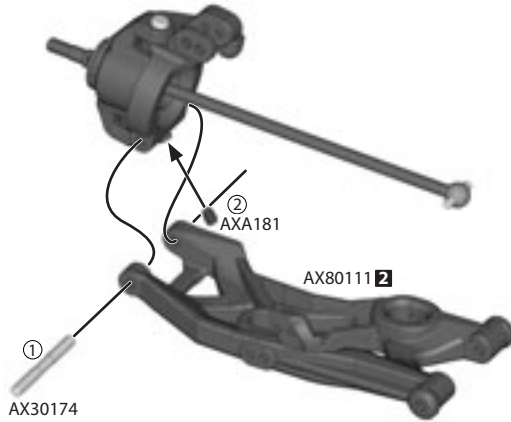
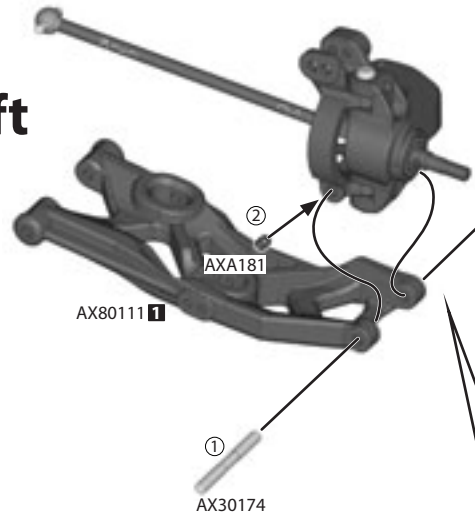


AX30174
Pin 3x29mm **x2**

5



Left



Right



AXA115
M3x10mm **x2**

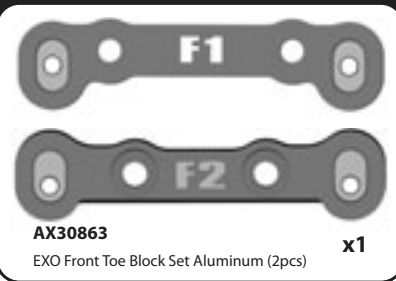
AXA0439
M3x20mm **x2**

AXA1053
M3 Nylon Locking Hex Nut (BLACK) **x2**

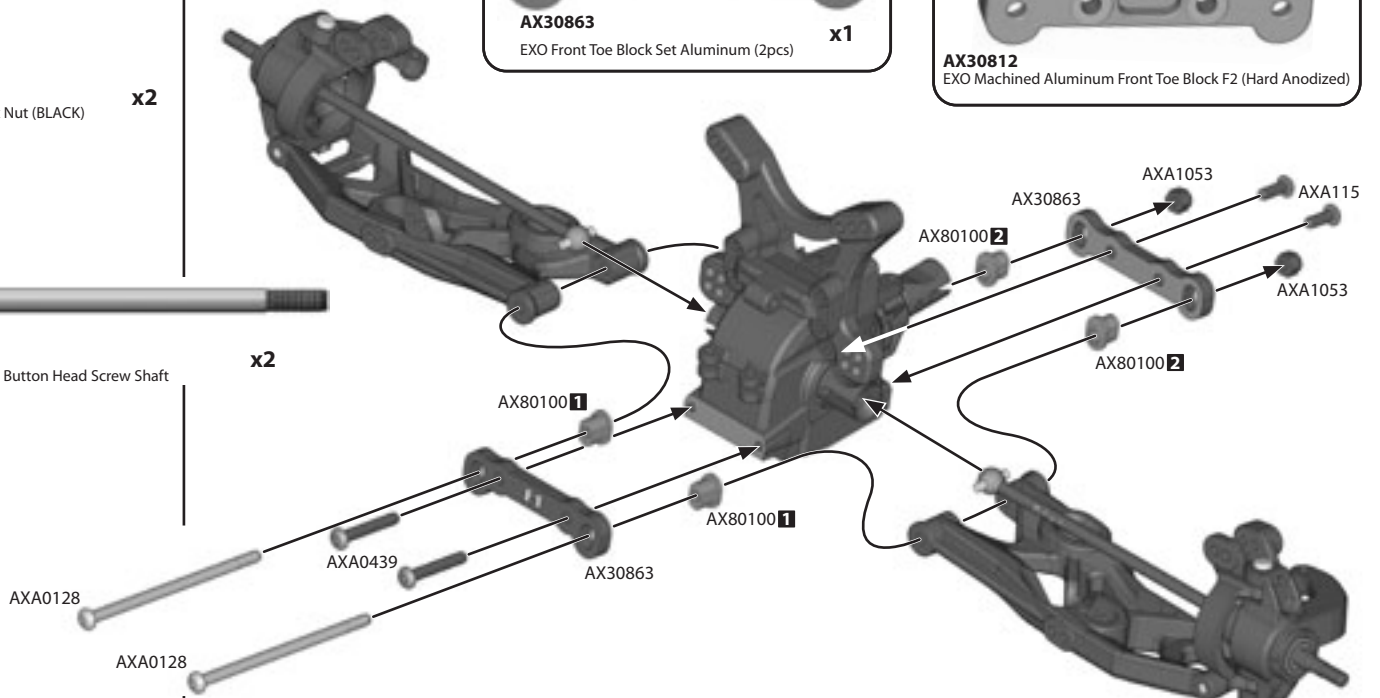
AXA0128
M3x61mm Hex Socket Button Head Screw Shaft **x2**

6

Note Direction



Option Parts





AXA1053
M3 Nylon Locking Hex Nut **x2**



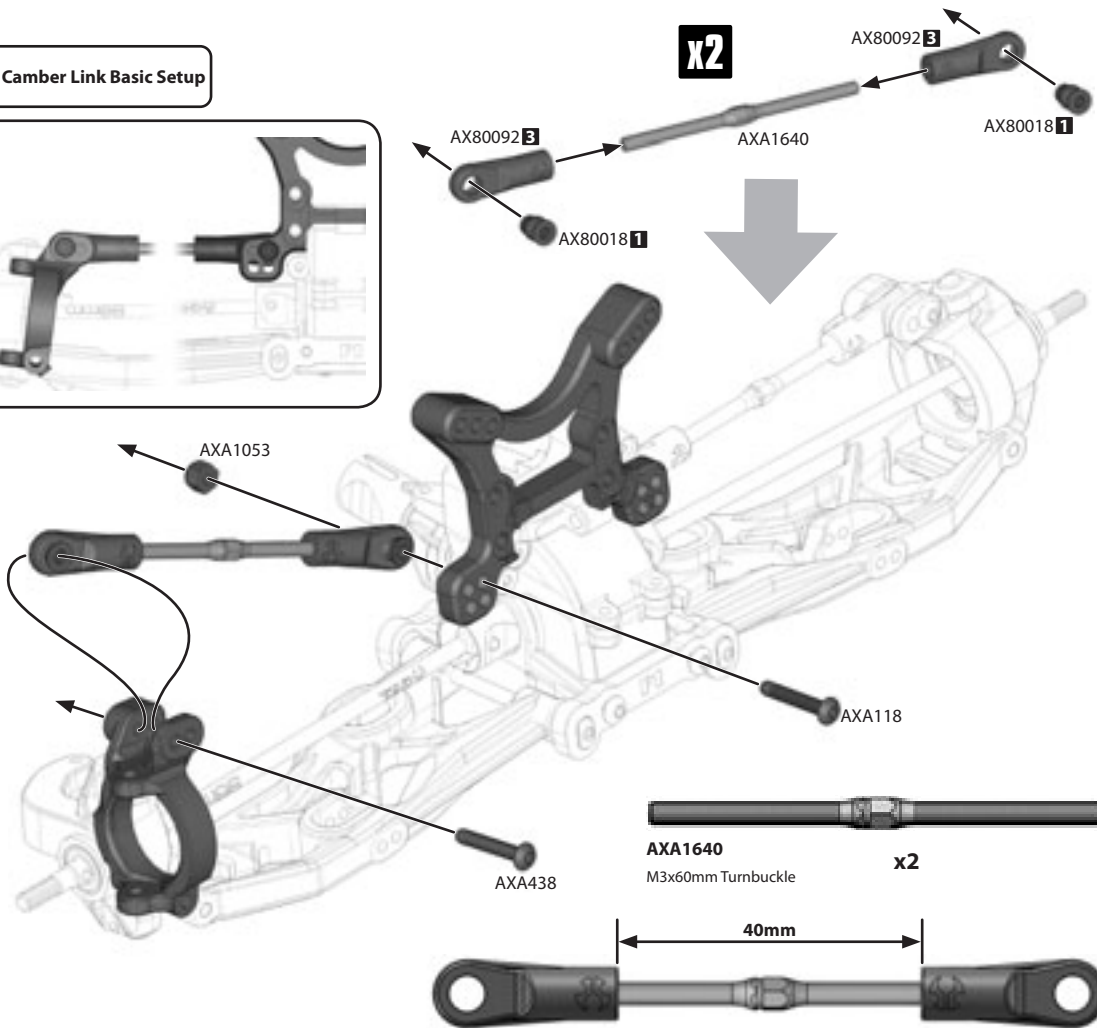
AXA118
M3x18mm **x2**



AXA438
M3x18mm **x2**

7

! Camber Link Basic Setup



C

Open Bag C



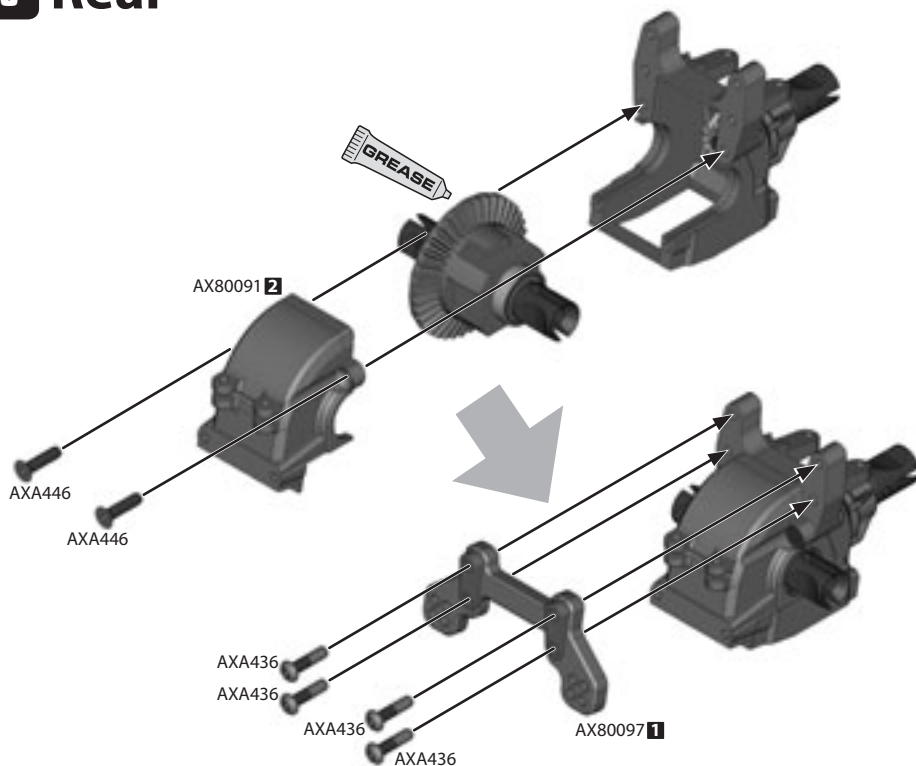
AXA466
M3x12mm **x2**



AXA436
M3x12mm **x4**

8

Rear



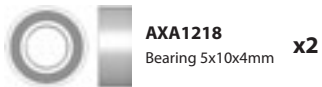
Note Direction



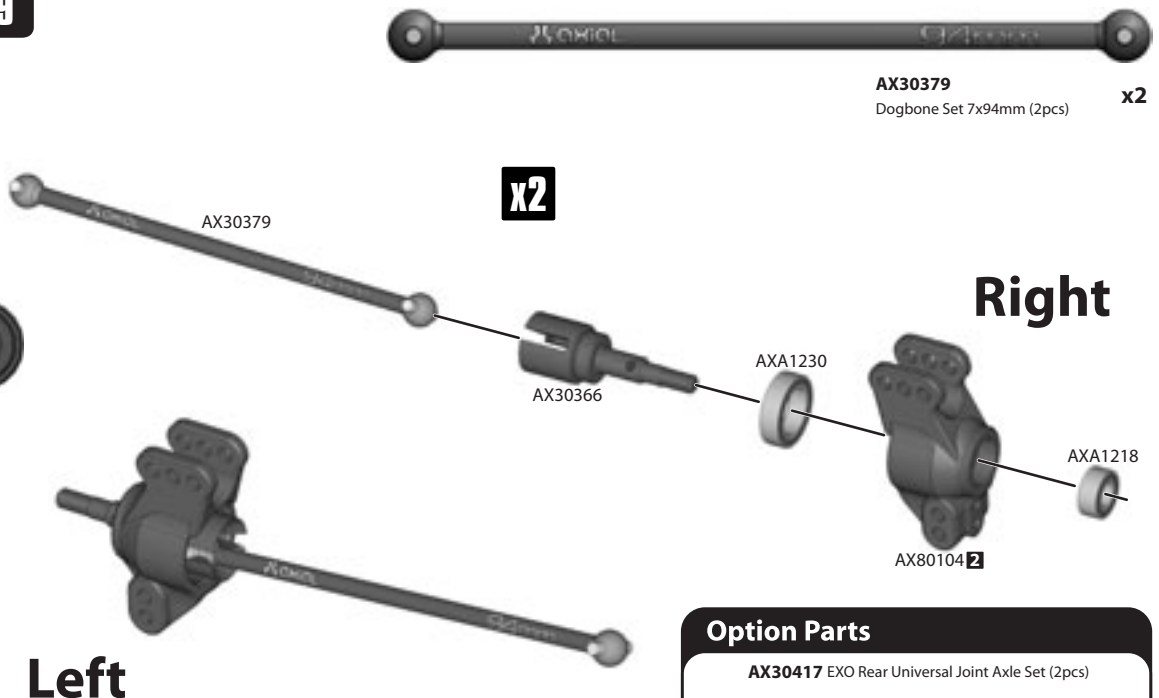
Option Parts



AX30826
EXO Machined Aluminum Rear
Camber Tower (Hard Anodized)

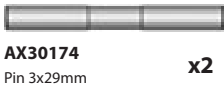
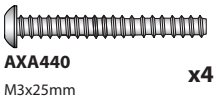


9

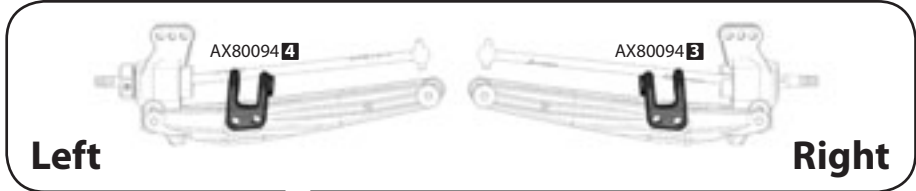


Option Parts

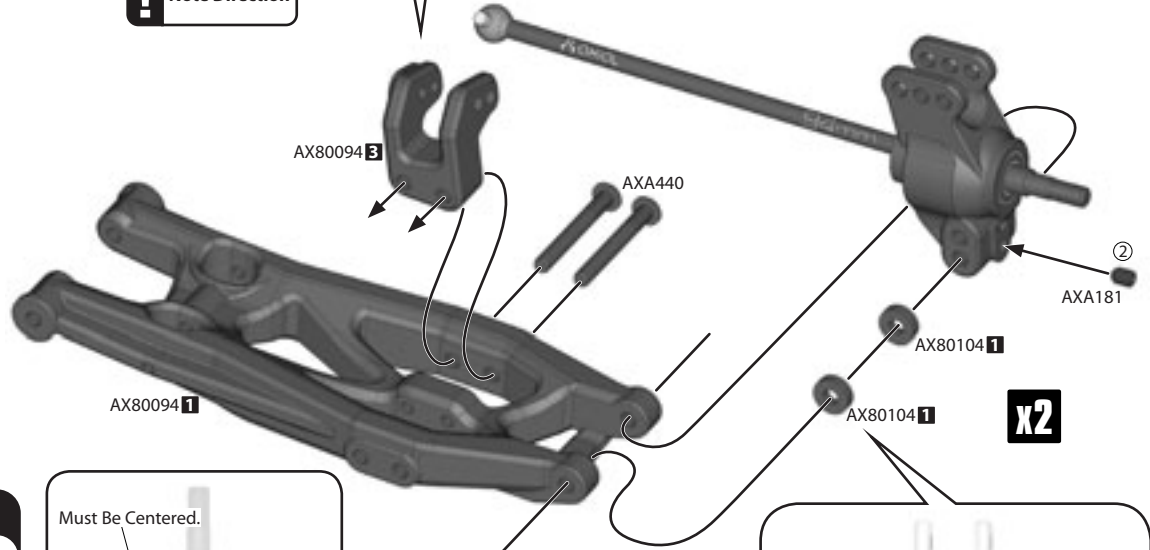
AX30417 EXO Rear Universal Joint Axle Set (2pcs)



10

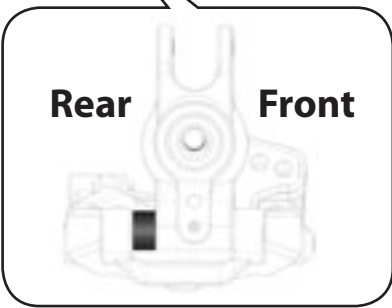
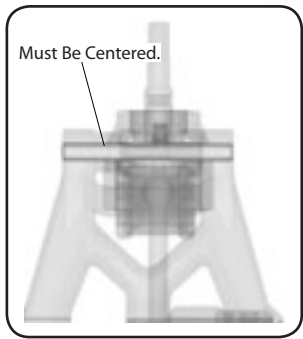


Note Direction



Option Parts

AX30861
EXO Machined Aluminum Rear Lower Shock Mount (Hard Anodized)



Note Direction



AXA115
M3x10mm **x2**



AXA0439
M3x20mm **x2**



AXA1053
M3 Nylon Locking Hex Nut (BLACK) **x2**

Option Parts



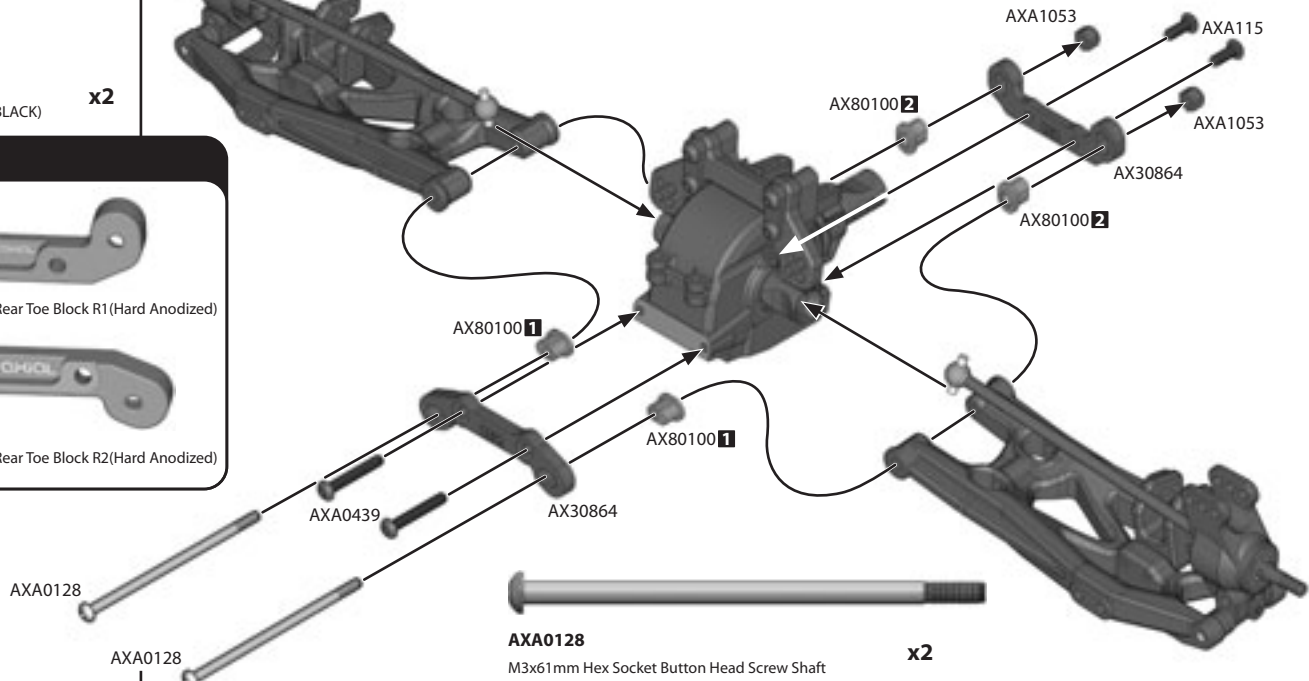
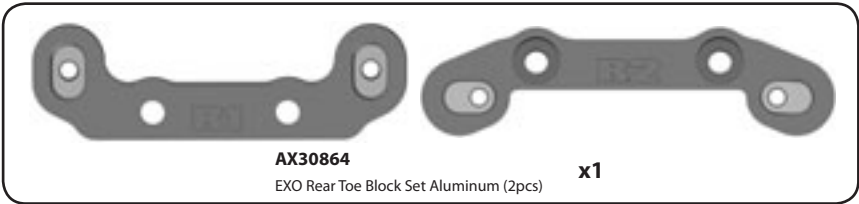
AX30813
EXO Machined Aluminum Rear Toe Block R1(Hard Anodized)



AX30814
EXO Machined Aluminum Rear Toe Block R2(Hard Anodized)

11

Note Direction



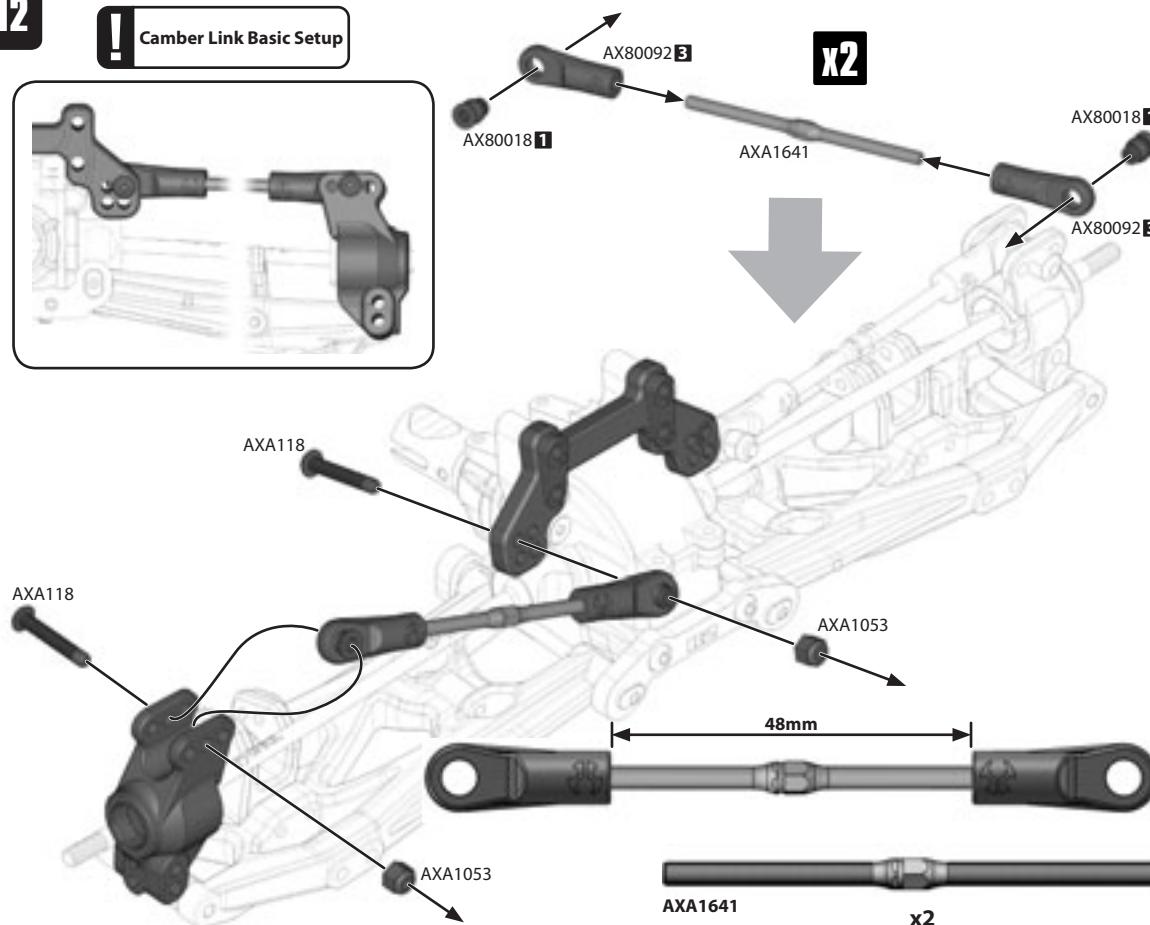
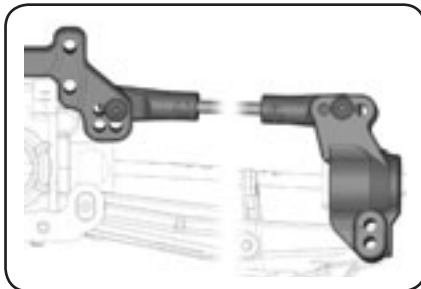
AXA1053
M3 Nylon Locking Hex Nut **x4**



AXA118
M3x18mm **x4**


12

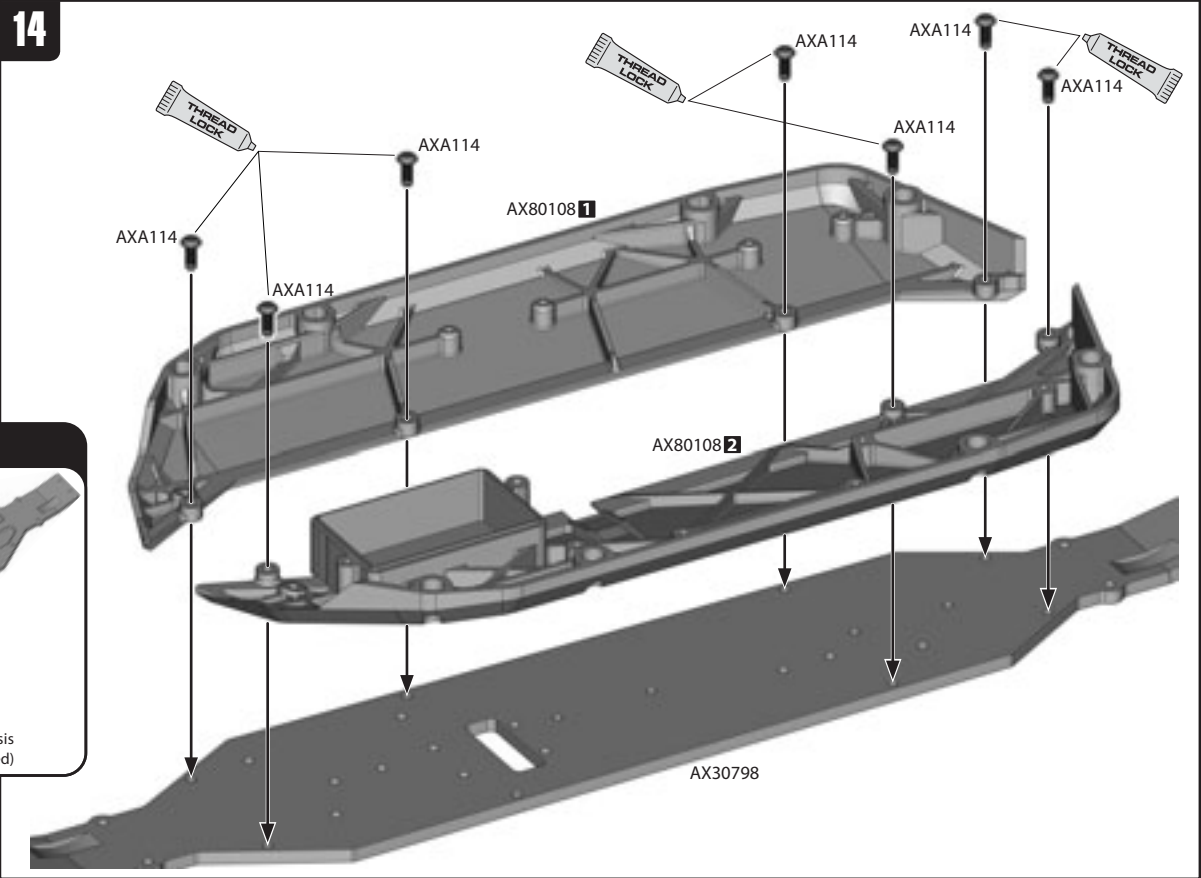
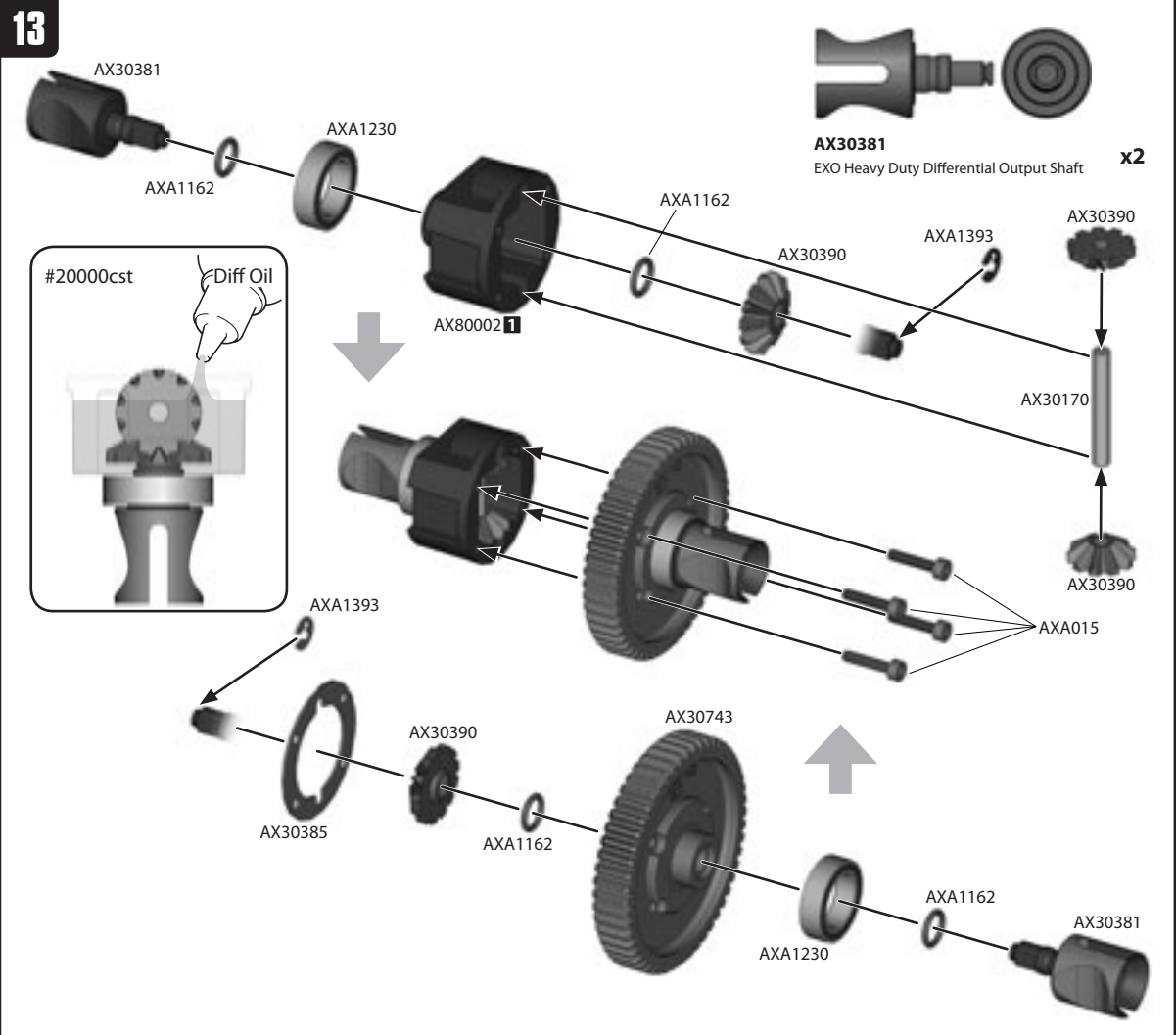
Camber Link Basic Setup



D Open Bag D

-  **AXA015** M2x10mm **x4**
-  **AXA1162** O-Ring 4.6x1mm **x4**
-  **AXA1393** E2.5 e-clip **x2**
-  **AX30390** 10T Spider Gear **x2**
-  **AX30390** 13T Spider Gear **x2**
-  **AX30390** 13T Spider Gear **x2**
-  **AXA1230** Bearing 10x15x4mm **x2**
-  **AX30170** Shaft 3x22mm **x1**

-  **AXA114** M3x8mm **x7**



Option Parts

AX30824
EXO Machined Aluminum Main Chassis Plate Lightweight (4mm) (Hard Anodized)



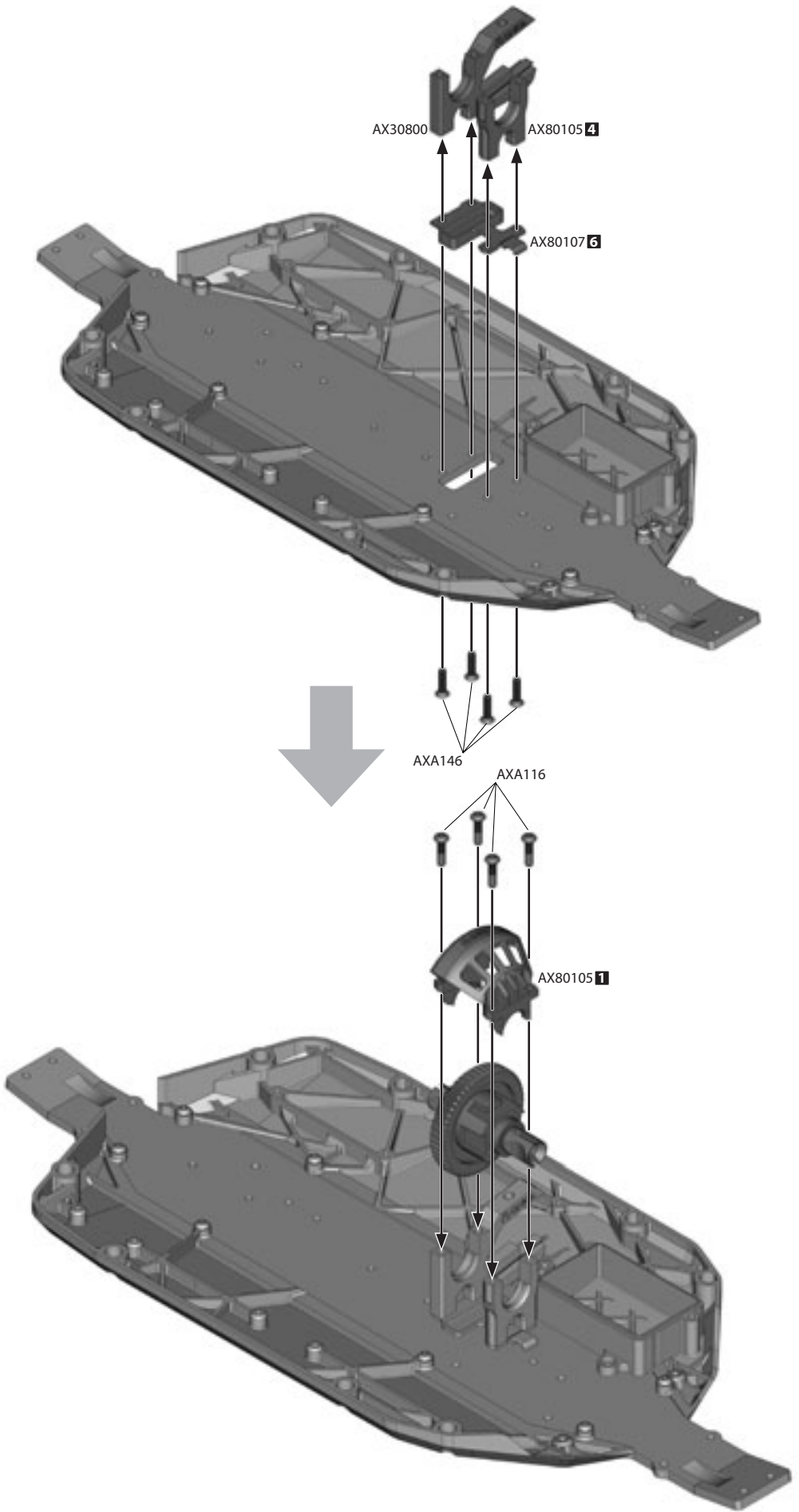
AXA146
M3x12mm

x4





AXA116
M3x12mm




x4



E Open Bag E

-  **AXA114**
M3x8mm **x2**
-  **AXA1210**
Bearing 4x7x2.5mm **x4**
-  **AXA1222**
Flanged Ball Bearing 6x3x2.5mm **x2**
-  **AXA114**
M3x8mm **x2**
-  **AX30806**
EXO Servo Saver Spring - Firm **x1**
-  **AX30801**
EXO Servo Saver Retaining Nut **x1**

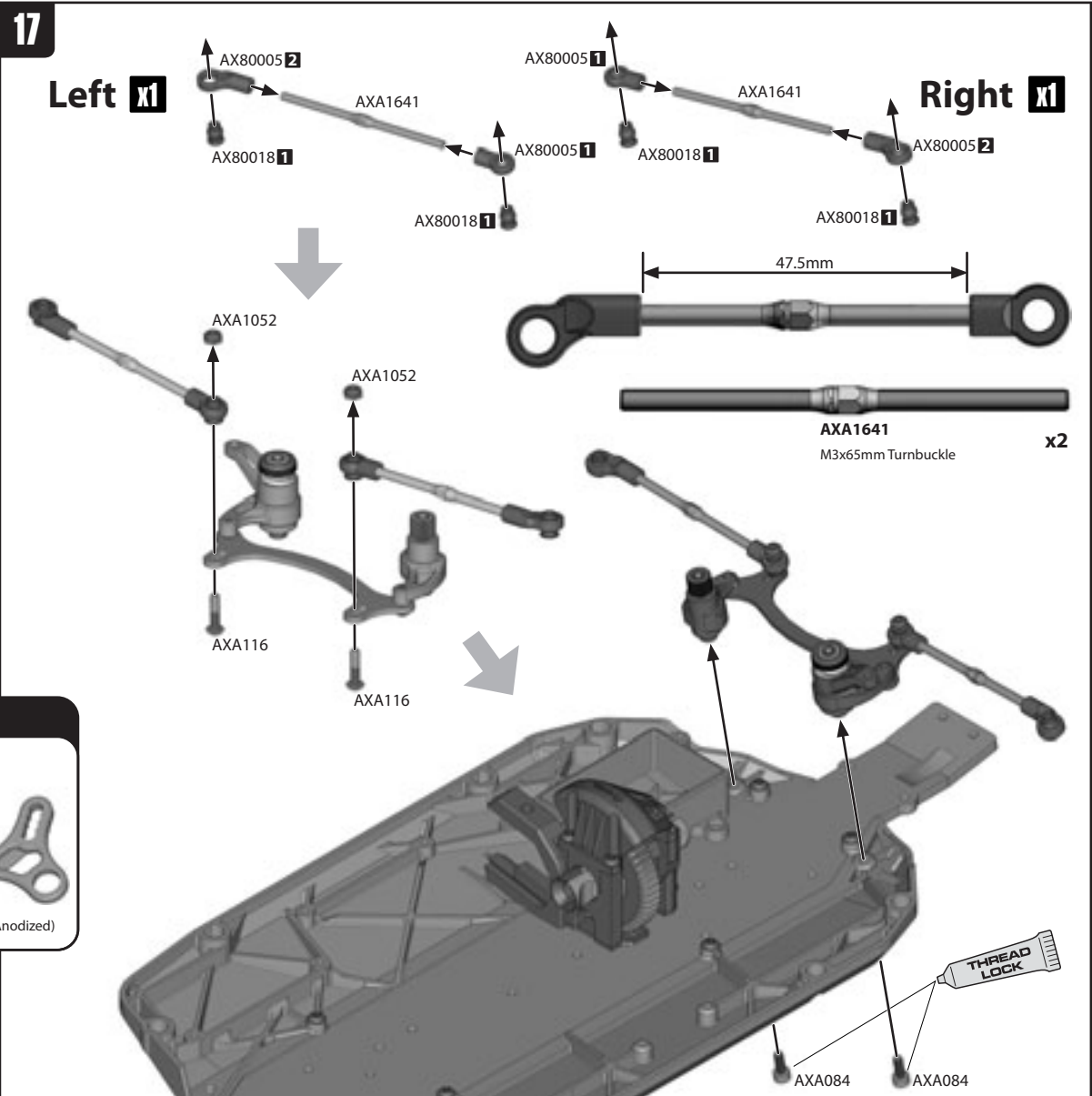
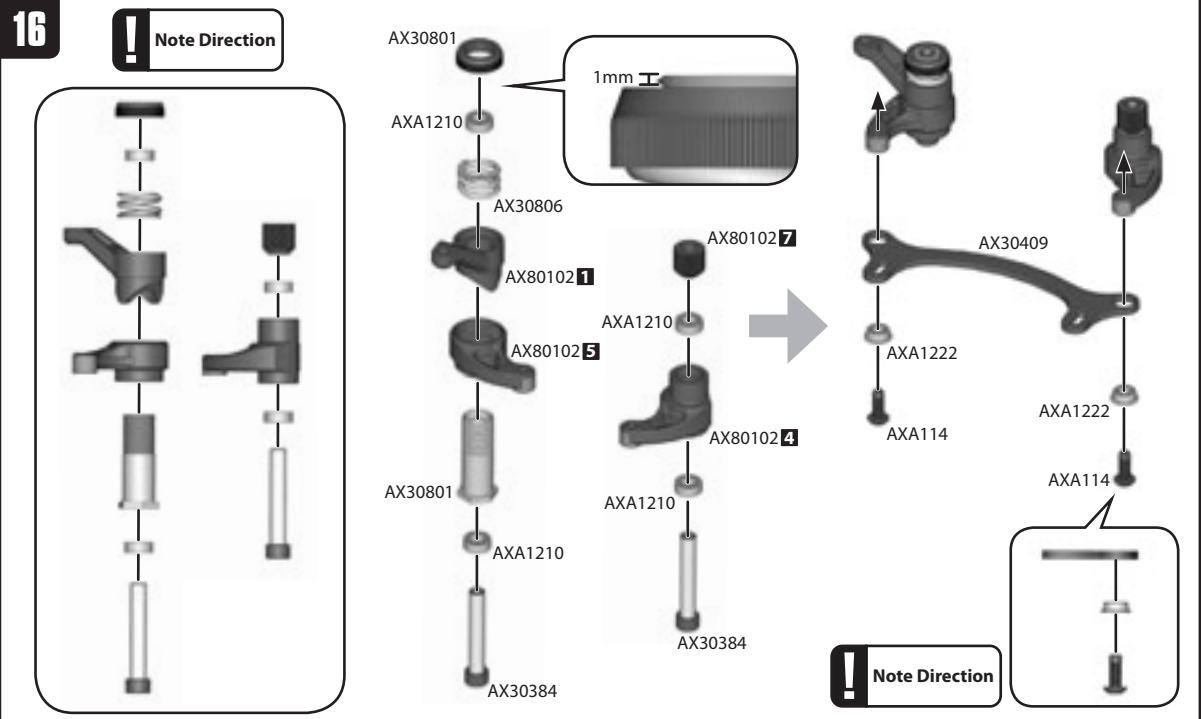
-  **AX30384**
EXO Steering Post Steel **x2**
-  **AX30801**
EXO Servo Saver Retaining Shaft **x1**

-  **AXA084**
M3x8mm **x2**
-  **AXA116**
M3x12mm **x2**
-  **AXA1052**
M3 Thin Nylon Locking Hex Nut **x2**

Option Parts



AX30815
EXO Machined Aluminum Steering Rack (Hard Anodized)





AXA146
M3x12mm

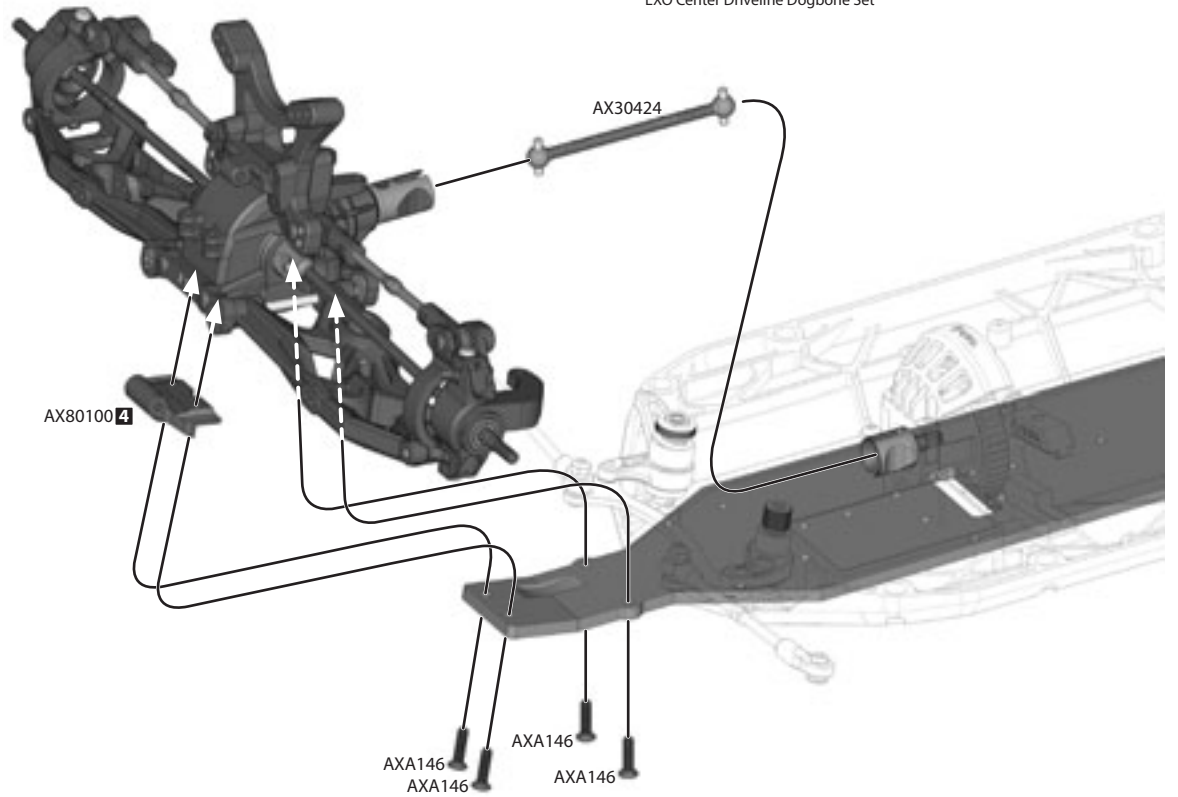
x4

18



AX30424
EXO Center Driveline Dogbone Set

x1



AXA115
M3x10mm

x6



AXA146
M3x12mm

x2



AXA117
M3x15mm

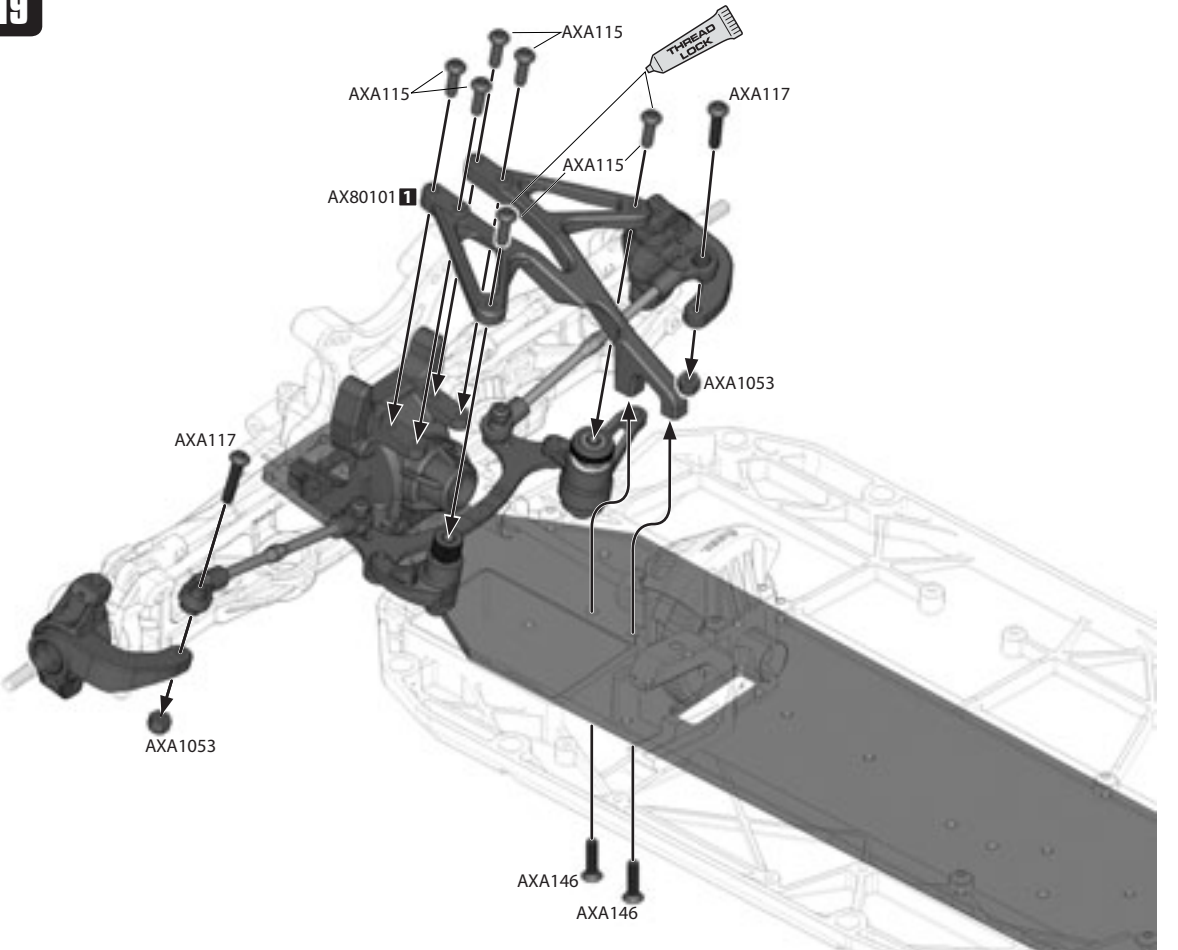
x2



AXA1053
M3 Nylon Locking Hex Nut

x2

19





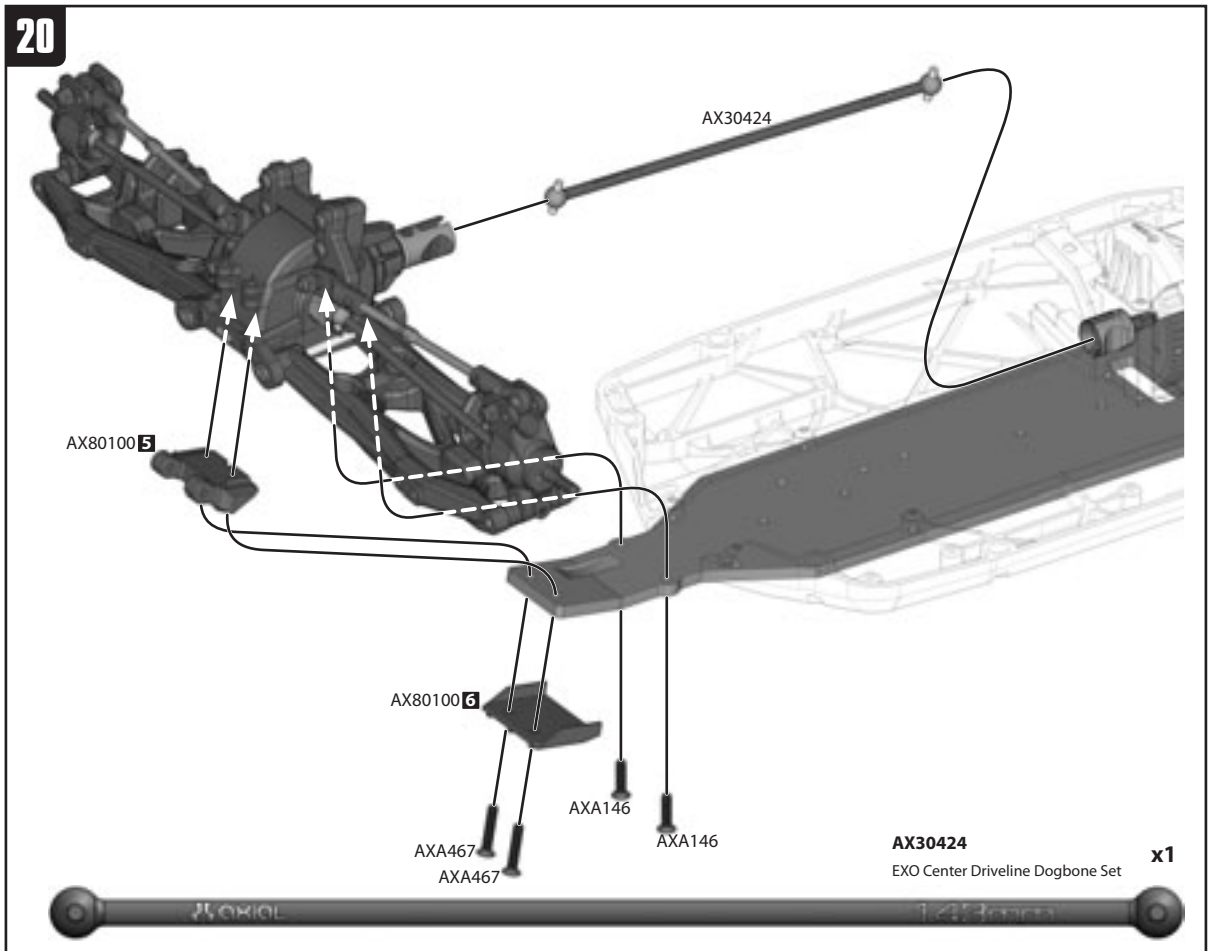
AXA146
M3x12mm

x2



AXA467
M3x16mm

x2



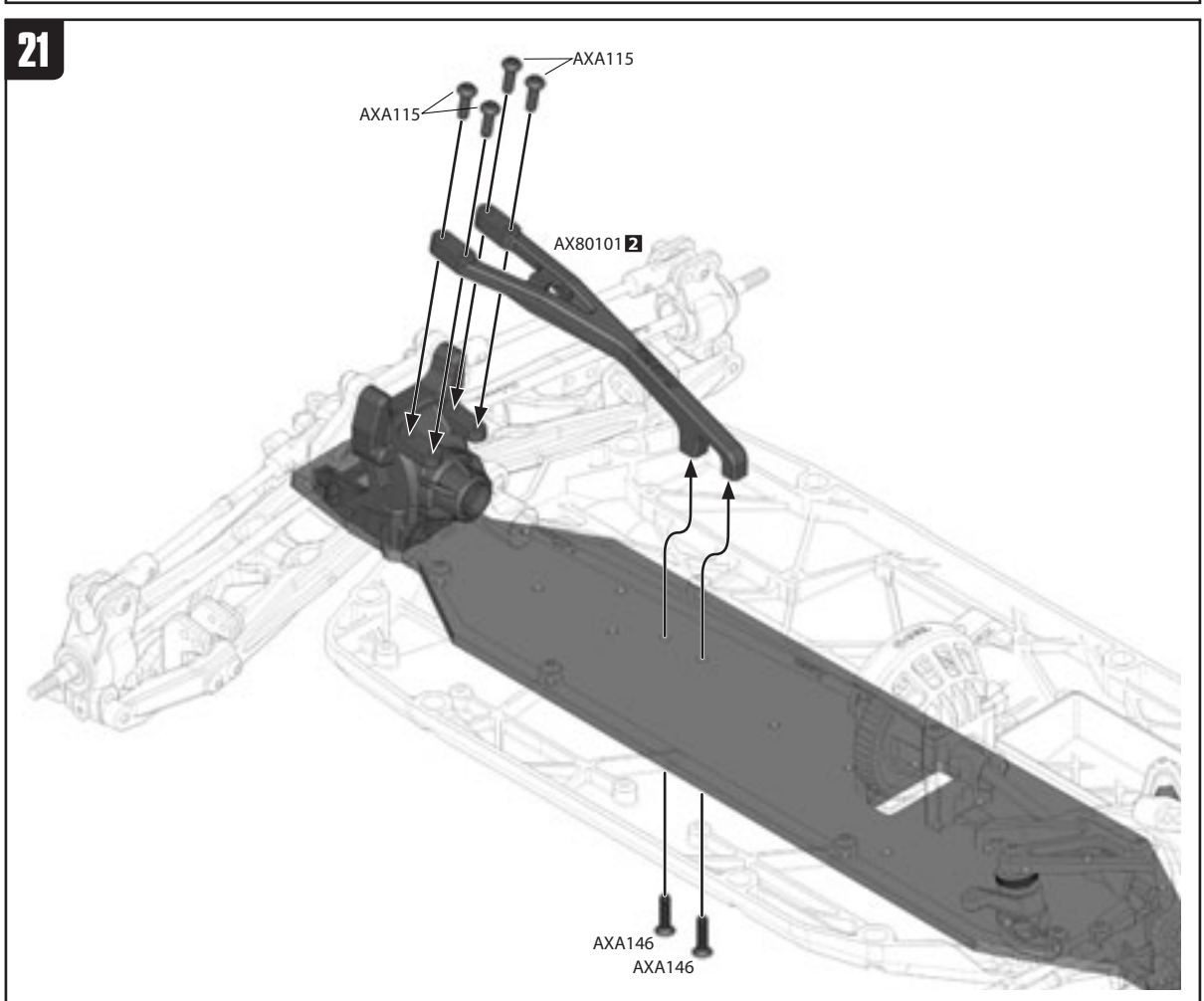
AXA115
M3x10mm

x4



AXA146
M3x12mm

x2



F

Open Bag F

22

Optional Axial Pinions:

For 3mm Motor Shaft
 -AXA722 11T 32P Pinion
 -AXA724 13T 32P Pinion
 -AXA725 14T 32P Pinion
 -AXA726 15T 32P Pinion
 -AXA727 16T 32P Pinion
 -AXA728 17T 32P Pinion

For 5mm Motor Shaft:
 -AXA837 11T 32P Pinion
 -AXA838 12T 32P Pinion
 -AXA839 13T 32P Pinion
 -AXA840 14T 32P Pinion
 -AXA841 15T 32P Pinion
 -AXA842 16T 32P Pinion
 -AXA843 17T 32P Pinion



AXA291
M4x4mm

x1



AXA294
M4x8mm

x1



AXA085
M3x10mm

x1



AXA086
M3x12mm

x2



AX30723
12T 32P Pinion 3mm Motor Shaft

x1



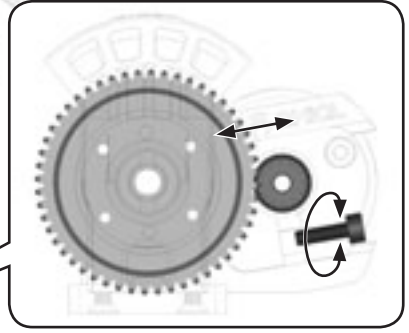
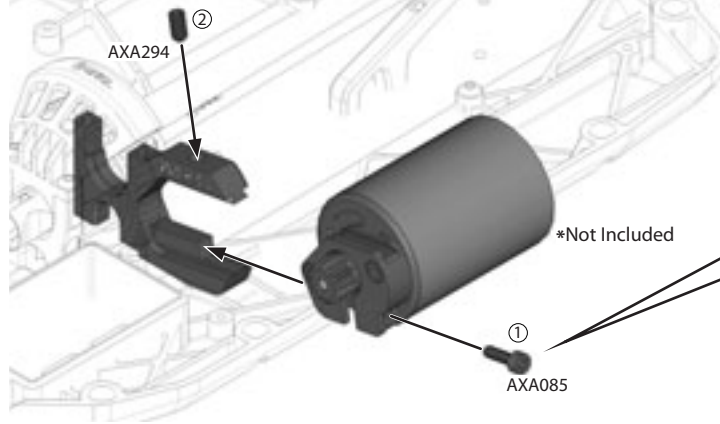
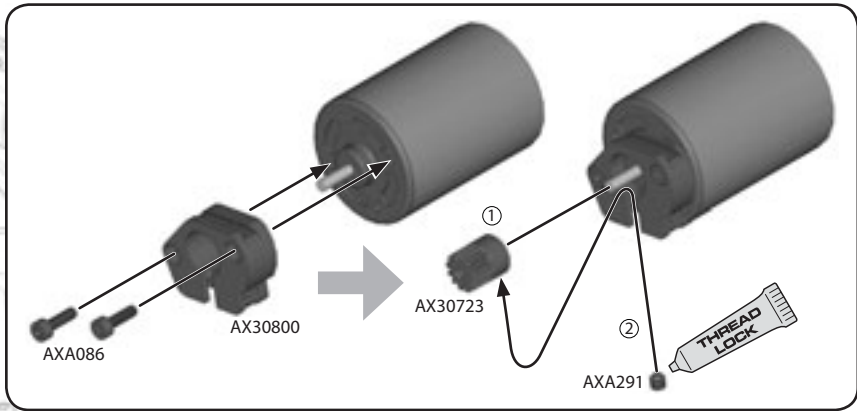
AXA146
M3x12mm

x2



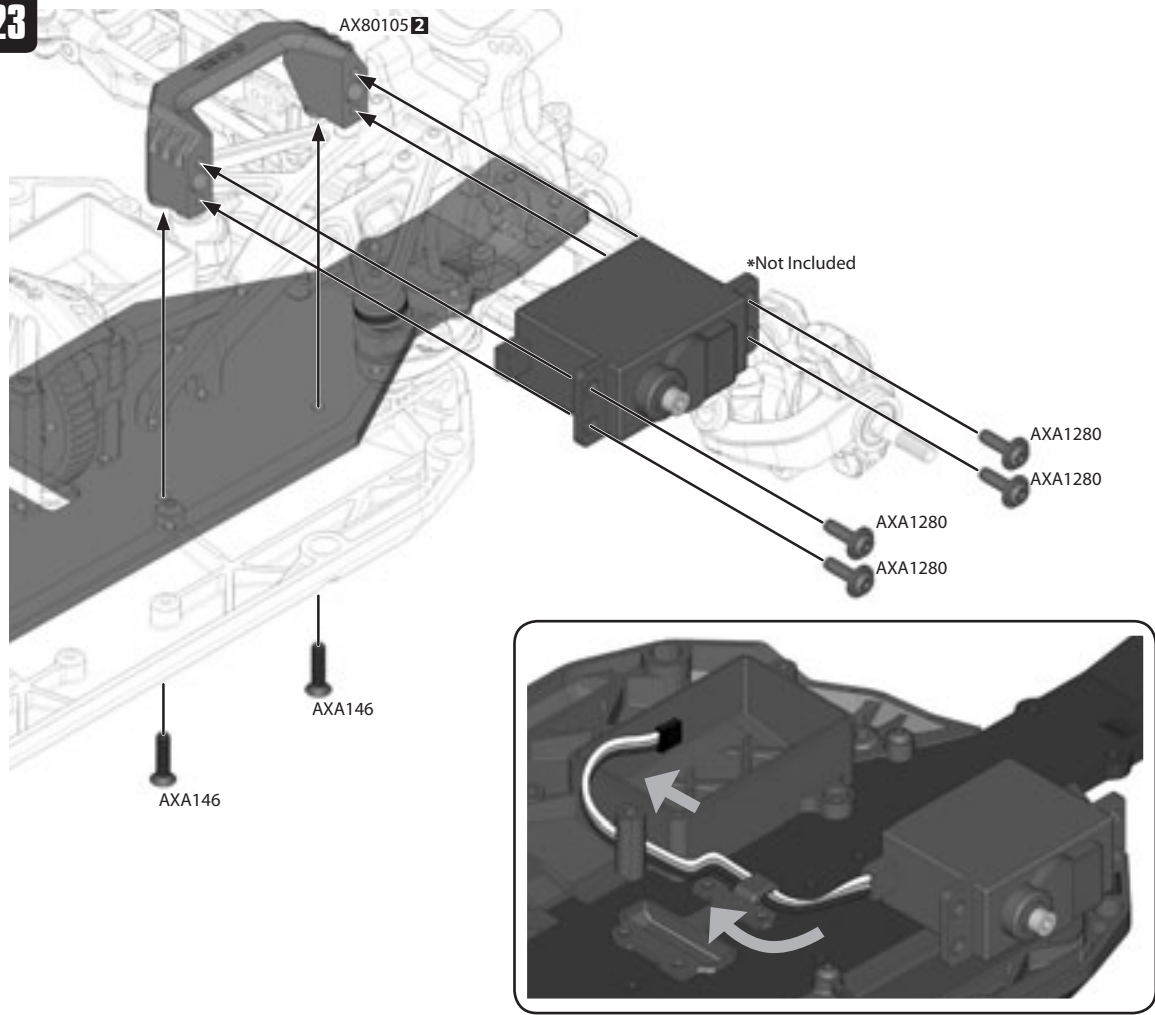
AXA1280
M3x10mm Servo Flange Screw

x4



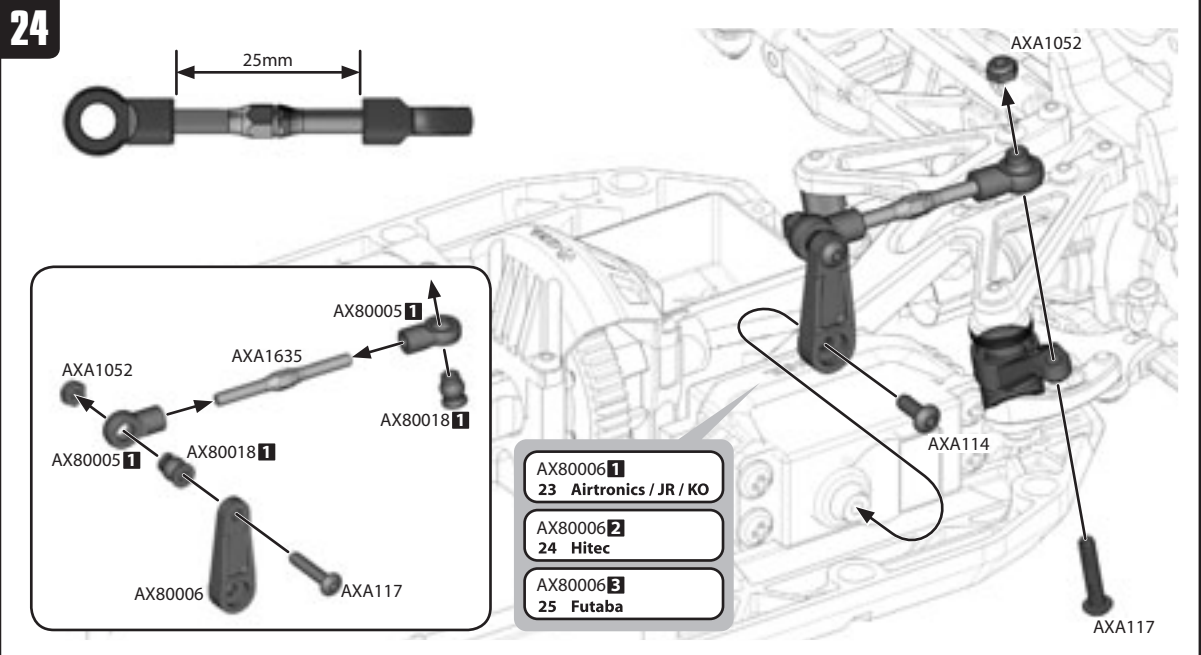
Note: Use screw to adjust for proper mesh.

23








-  **AXA114**
M3x8mm **x1**
-  **AXA117**
M3x15mm **x2**
-  **AXA1052**
M3 Thin Nylon Locking Hex Nut **x2**
-  **AXA1635**
M3x35mm Turnbuckle **x1**

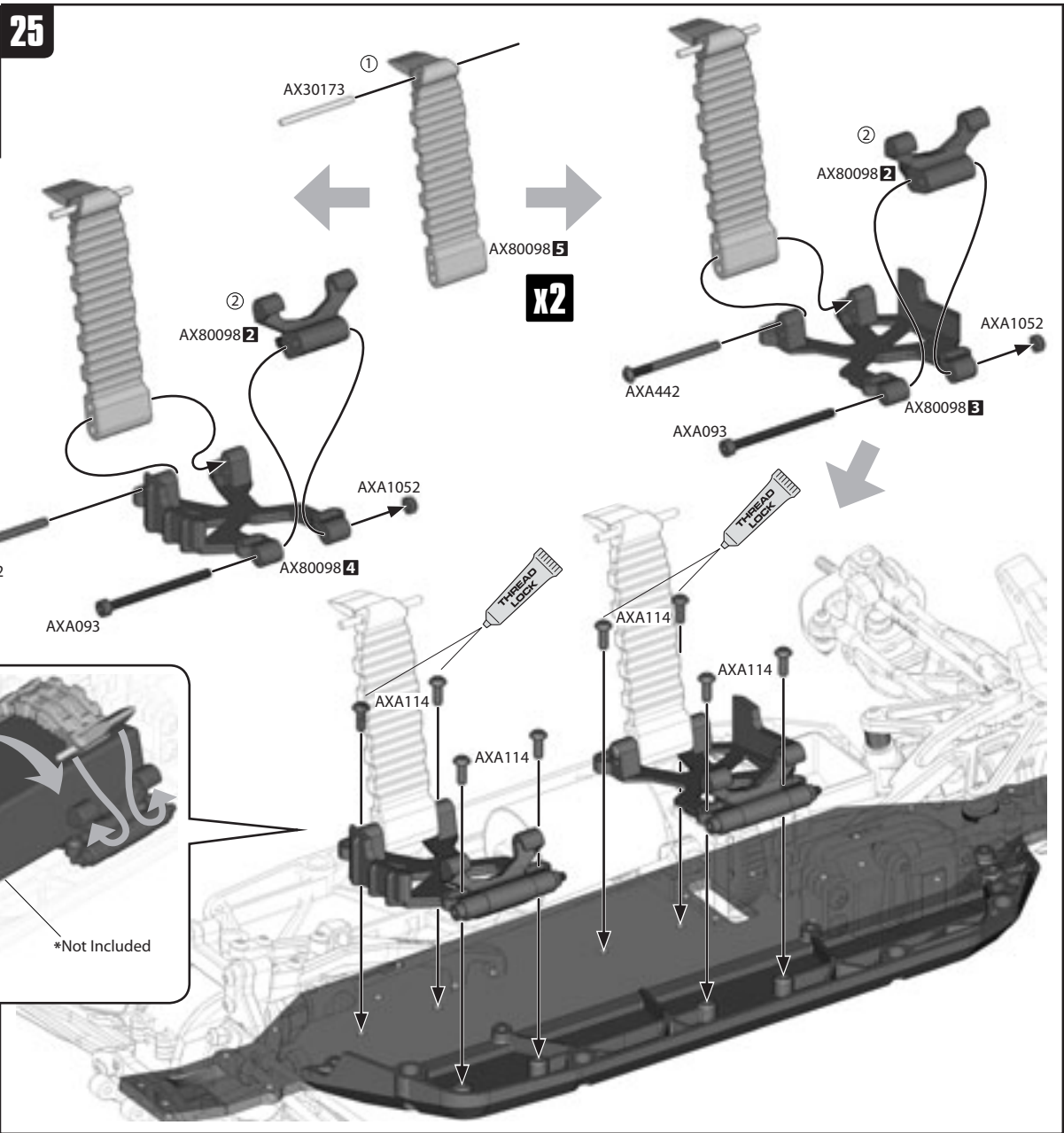
24



AX80006 1
23 Airtronics / JR / KO
AX80006 2
24 Hitec
AX80006 3
25 Futaba

-  **AXA114**
M3x8mm **x8**
-  **AXA1052**
M3 Thin Nylon Locking Hex Nut **x2**
-  **AXA442**
M3x35mm **x2**
-  **AXA093**
M3x40mm **x2**
-  **AX30173**
Pin 2.5x31.5mm **x2**

25



x2

THREAD LOCK

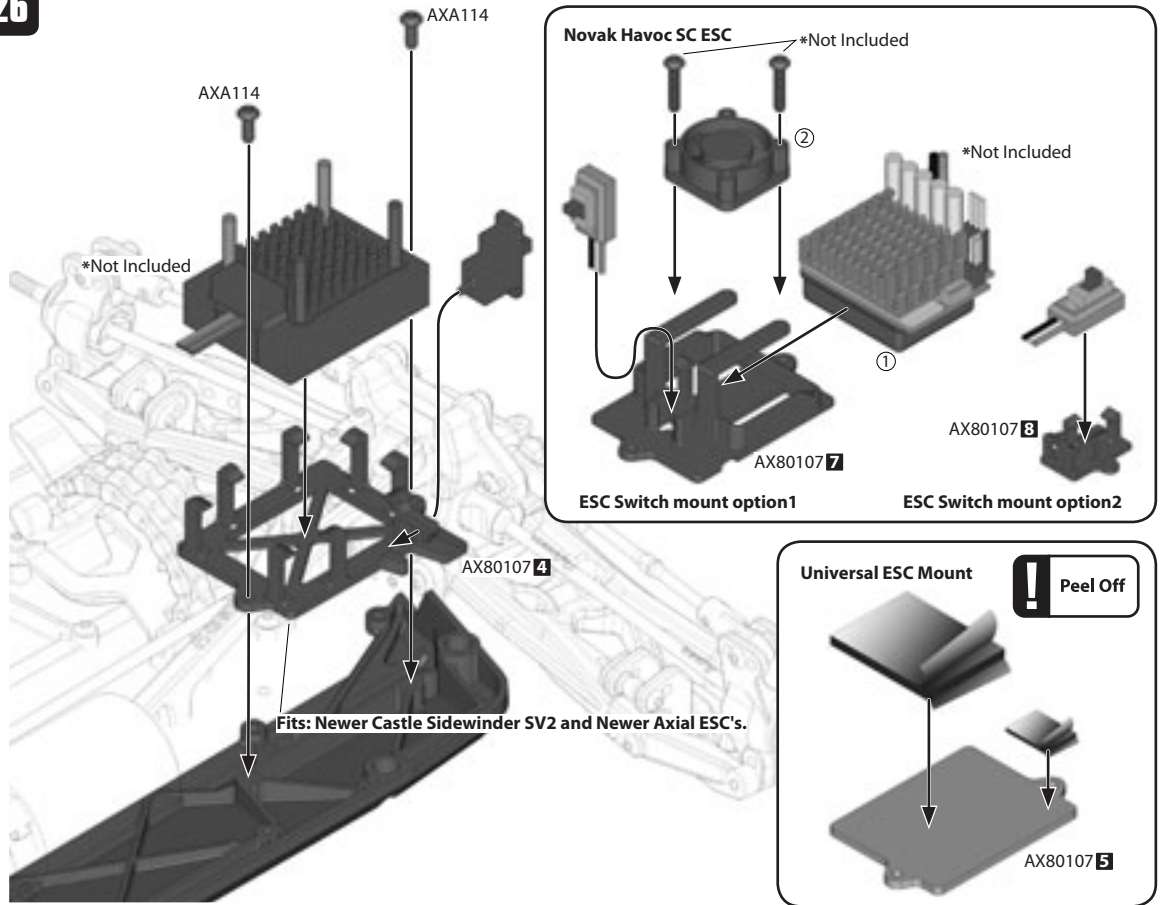
*Not Included



AXA114
M3x8mm

x2

26



AXA114
M3x8mm

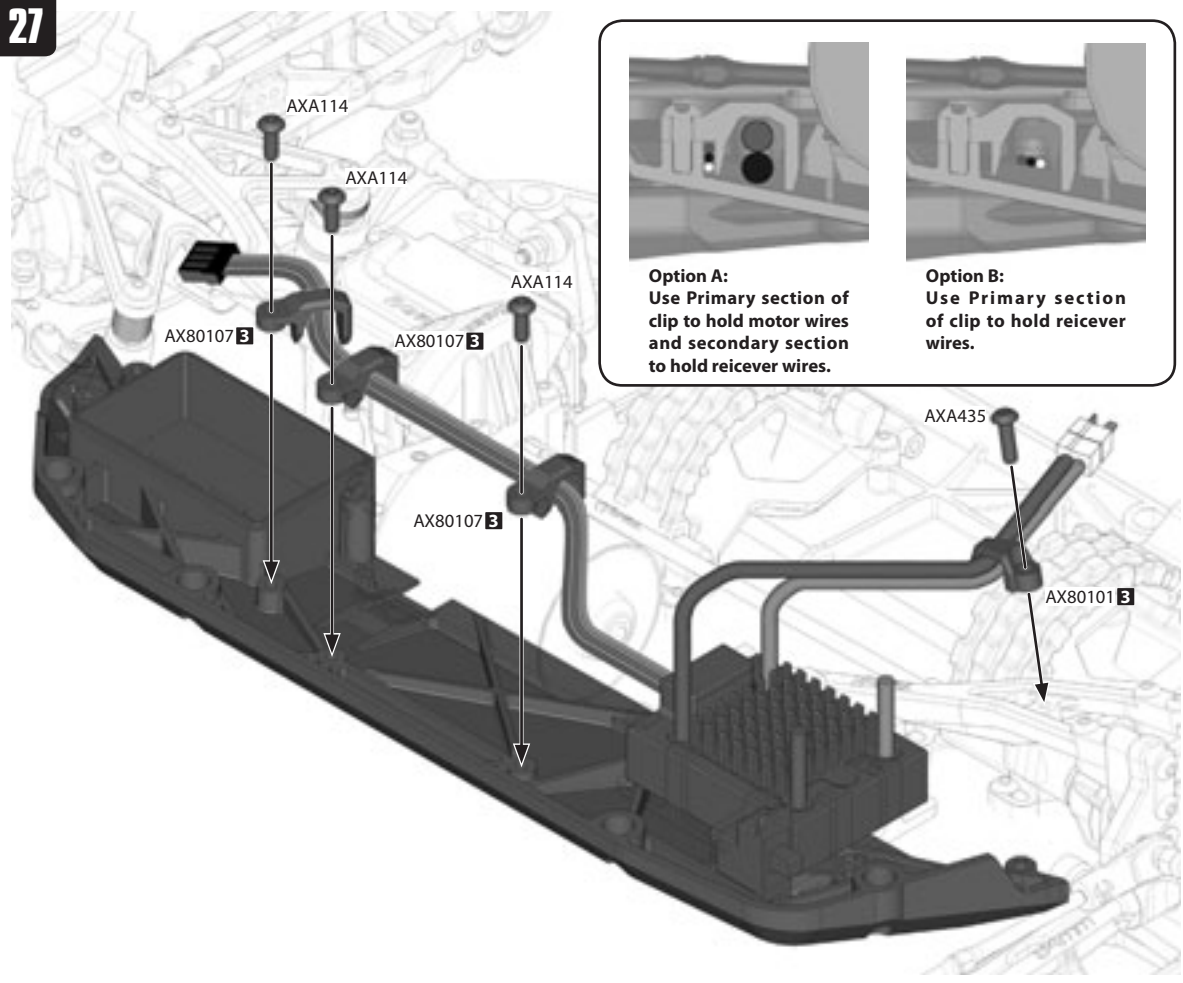
x3

27



AXA435
M3x10mm

x1





AXA116
M3x12mm

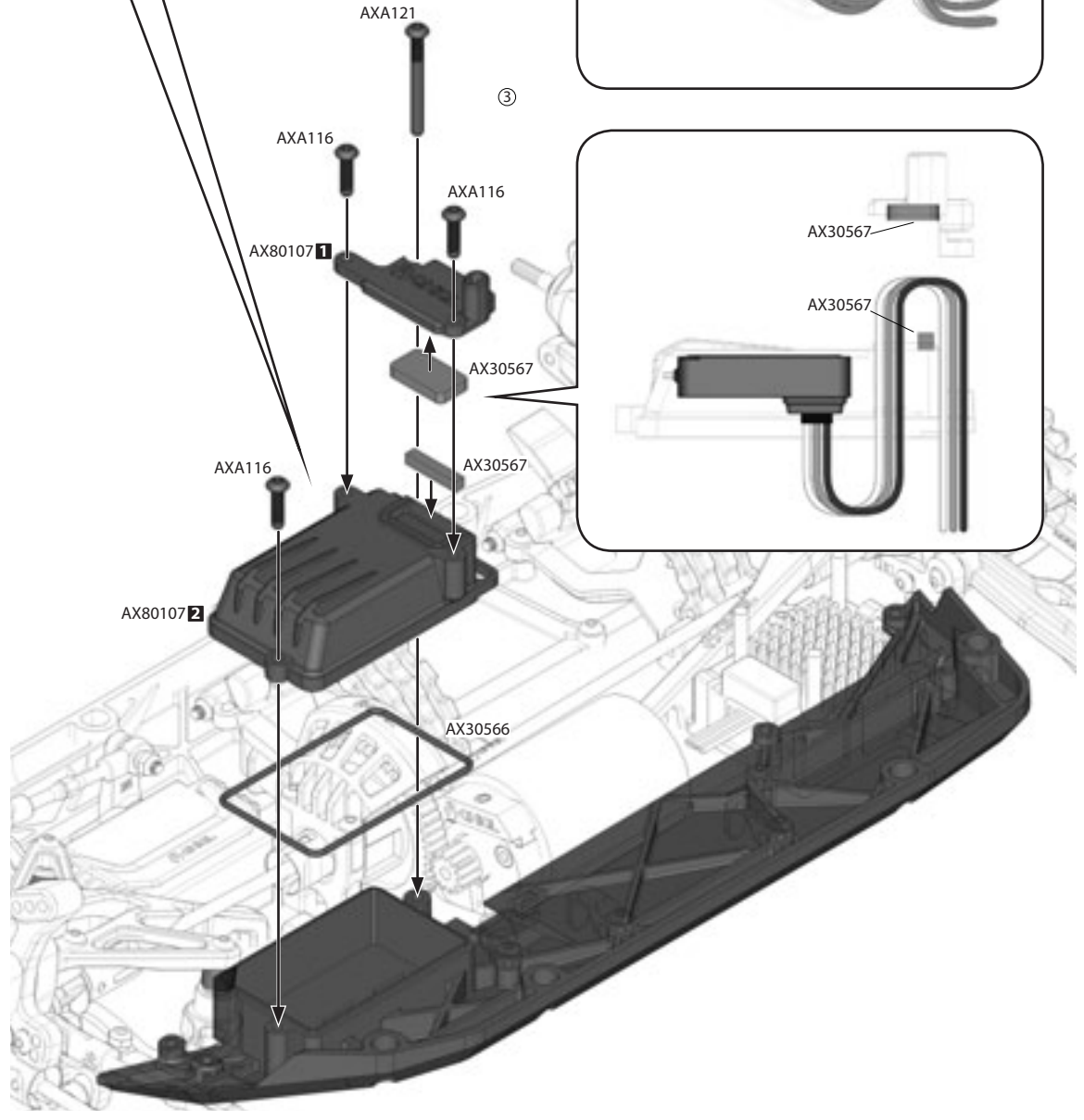
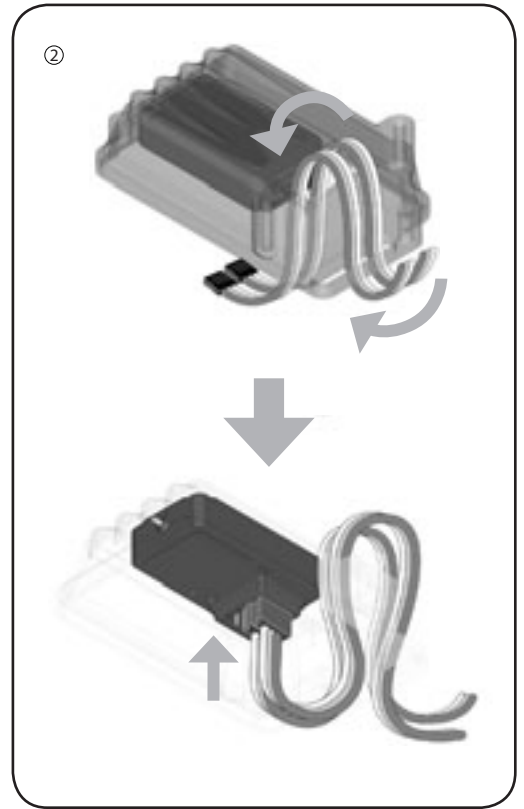
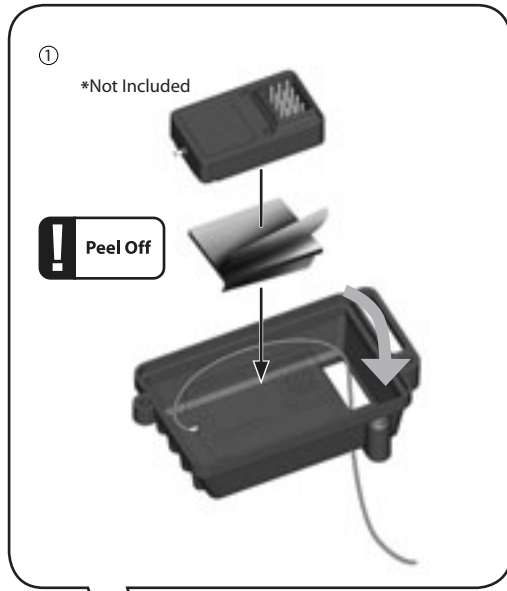
x3



AXA121
M3x30mm

x1

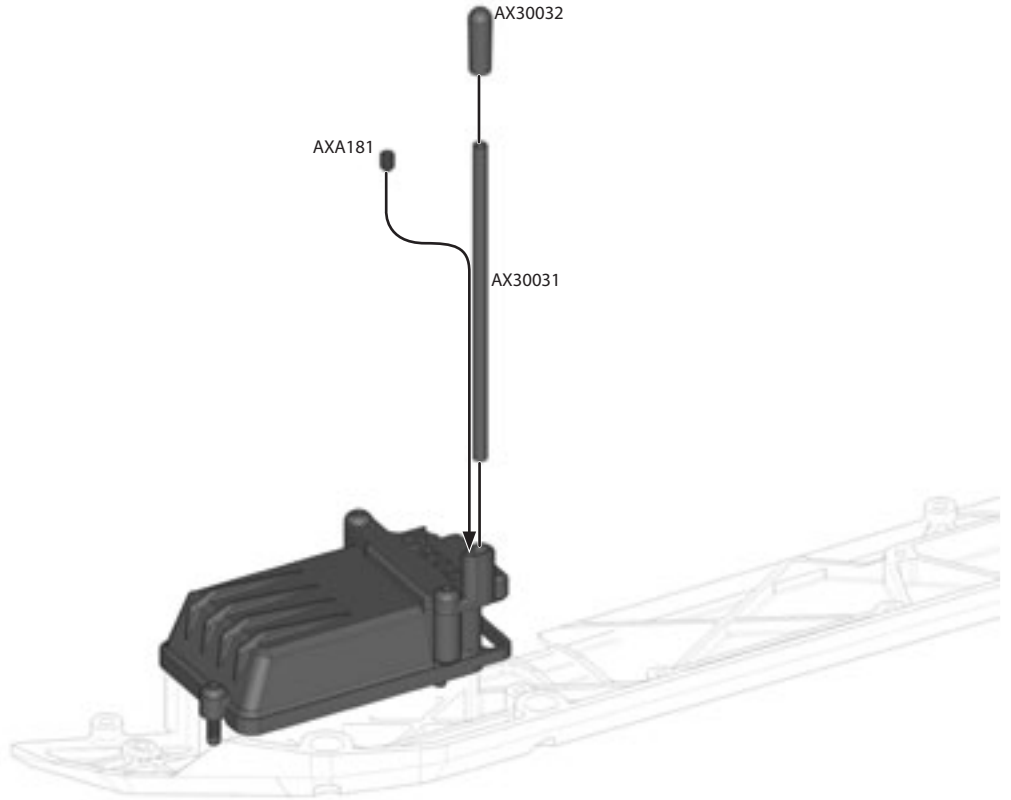
28





AXA181
M3x4mm x1

29



G

Open Bag G

30



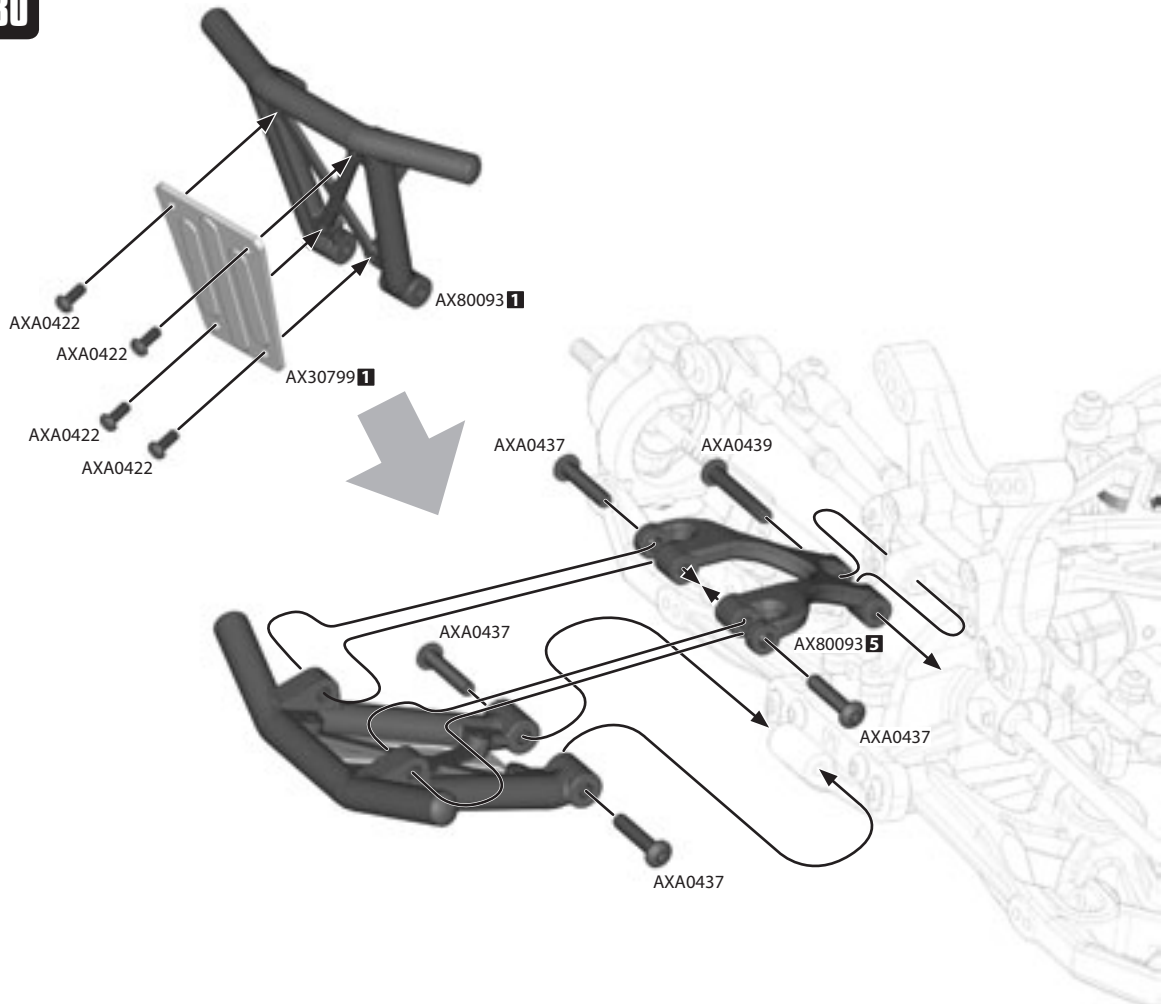
AXA0422
M2.6x6mm x4



AXA0437
M3x15mm x4



AXA0439
M3x20mm x1



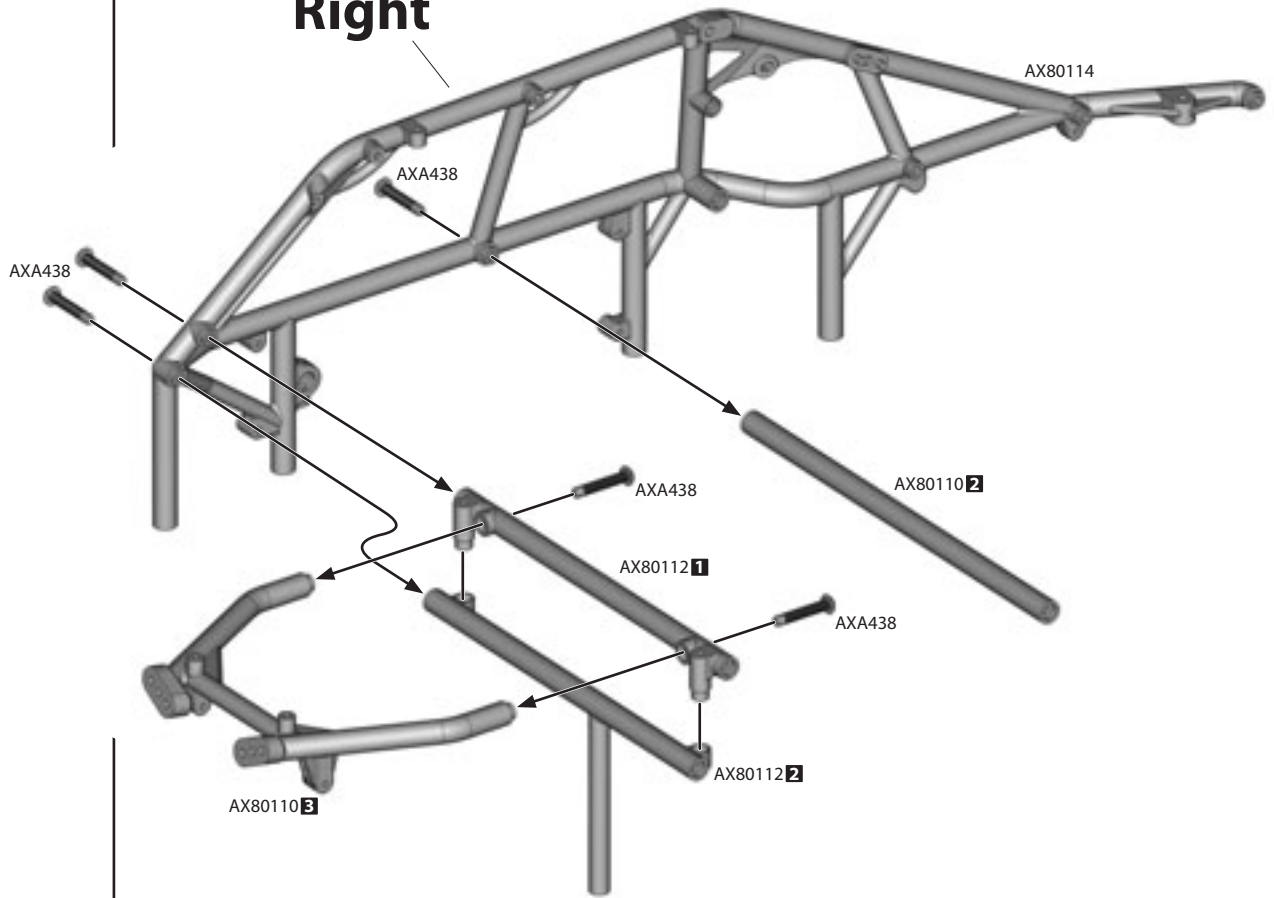


AXA438
M3x18mm

x5

31

Right



AXA175
Screw Shaft M3x2.5x11mm

x1



AXA438
M3x18mm

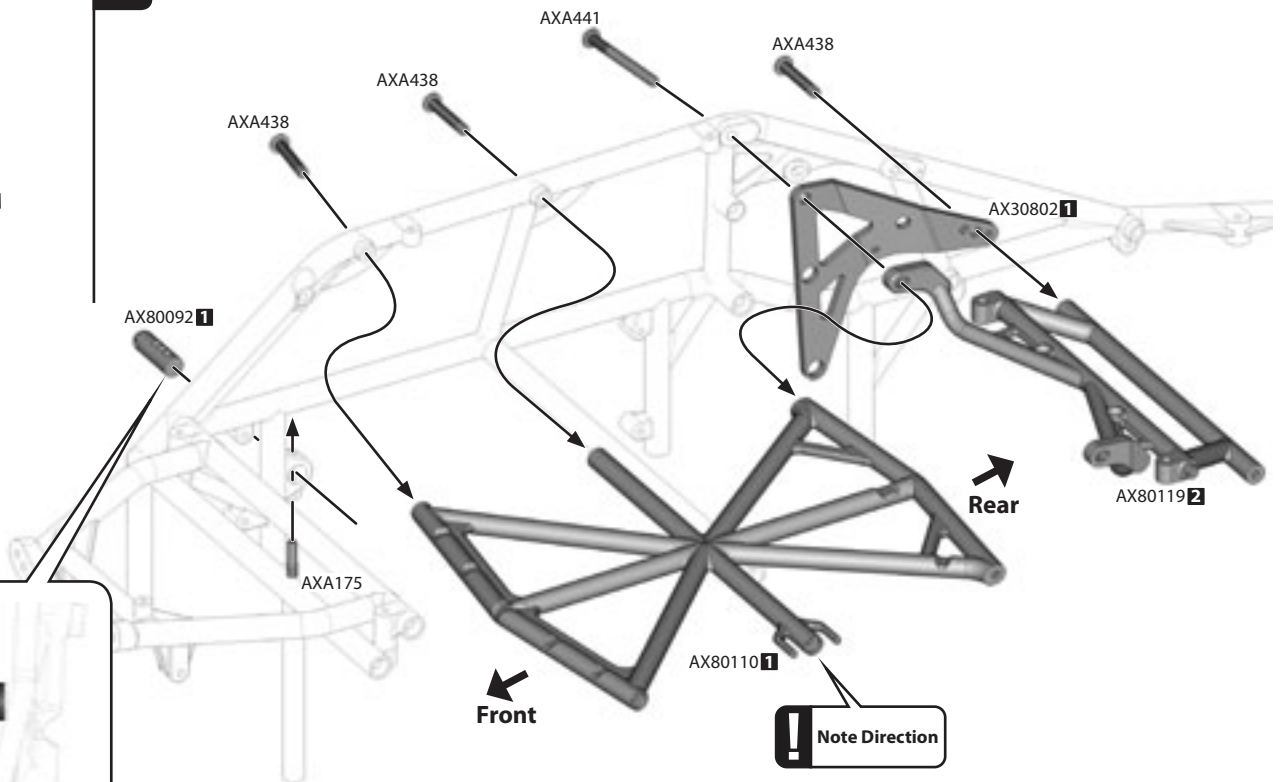
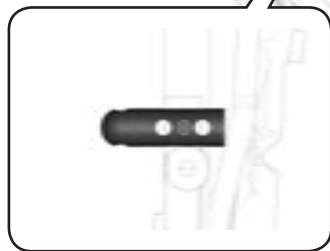
x3






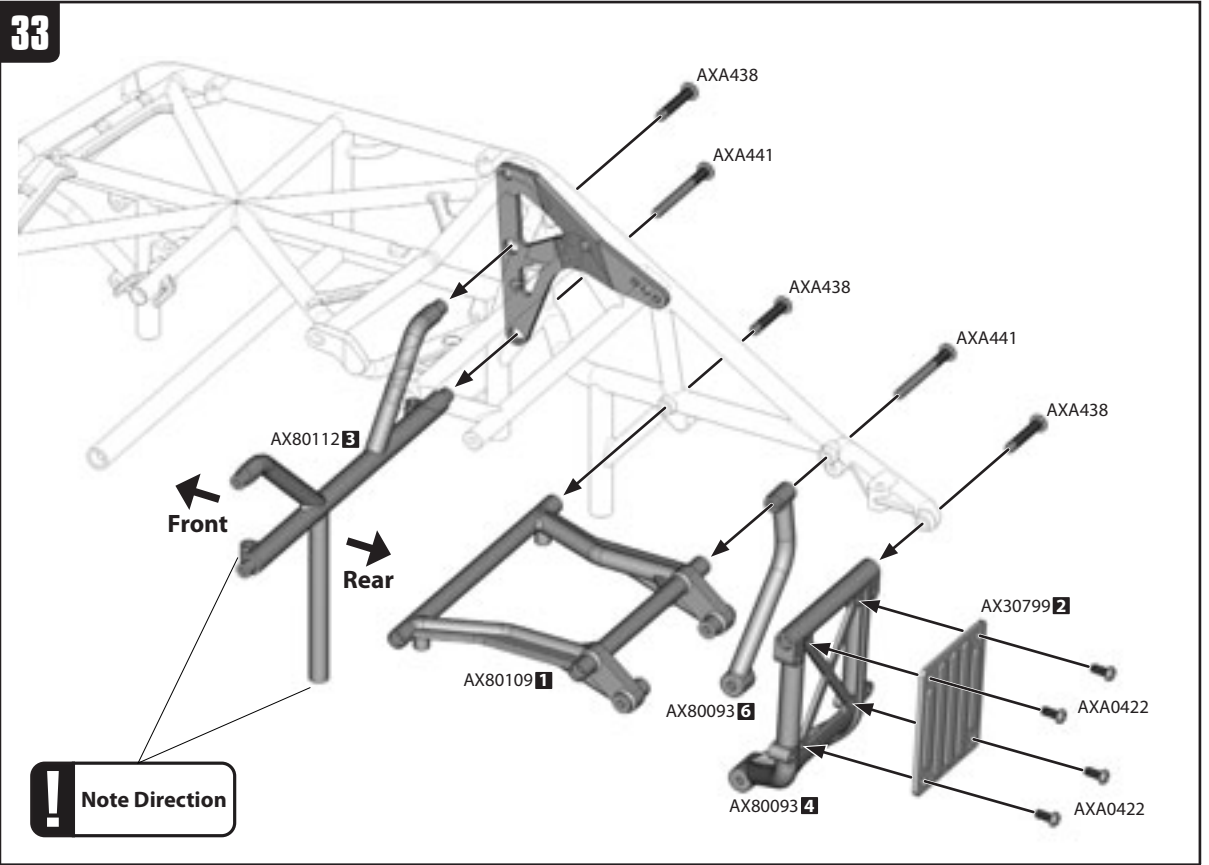
AXA441
M3x30mm



x1

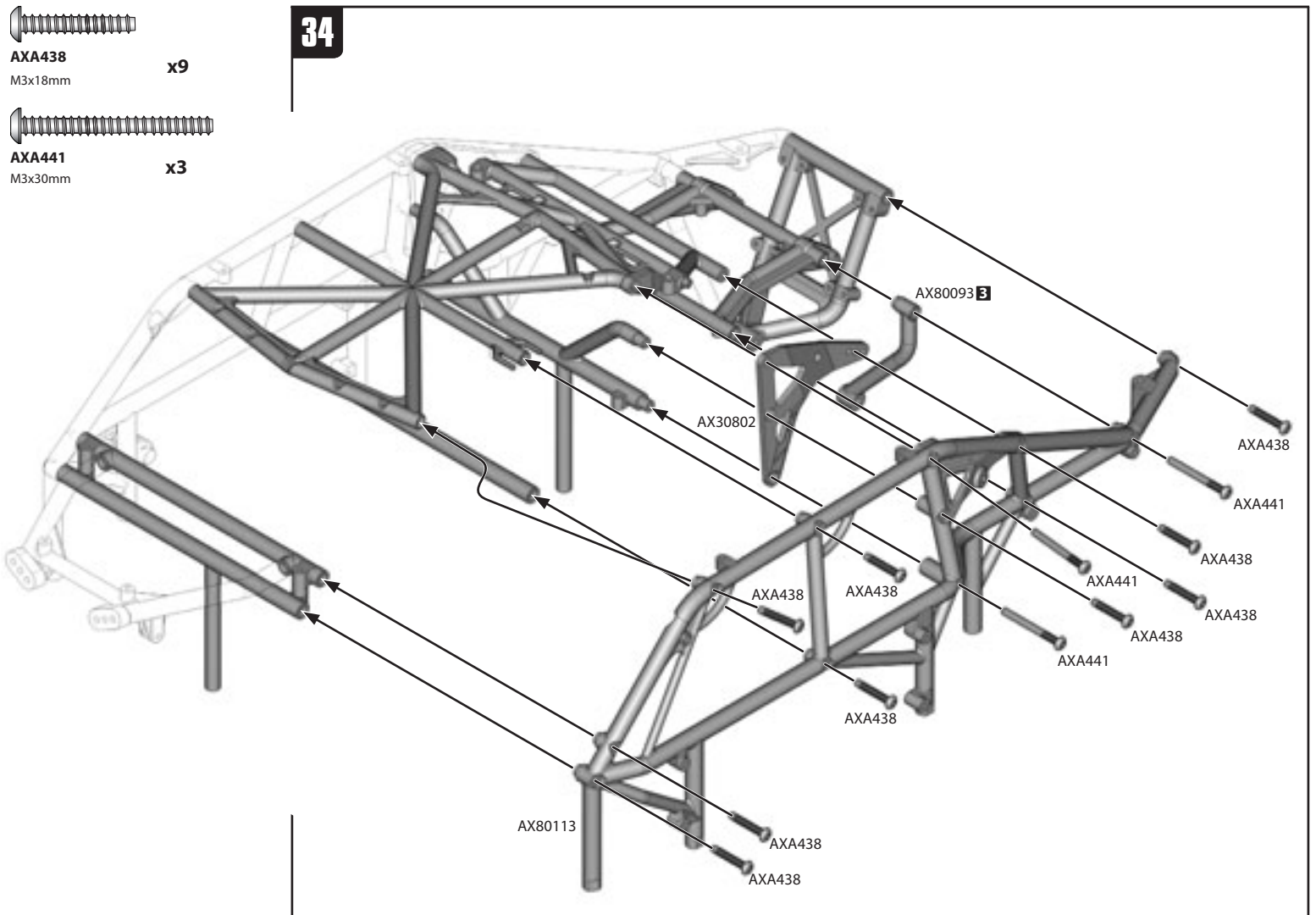
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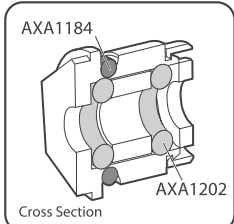


-  **AXA0422**
M2.6x6mm **x4**
-  **AXA438**
M3x18mm **x3**
-  **AXA441**
M3x30mm **x2**

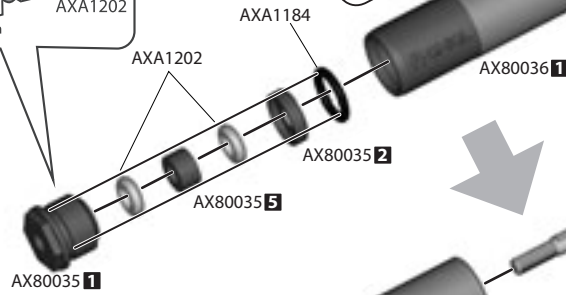
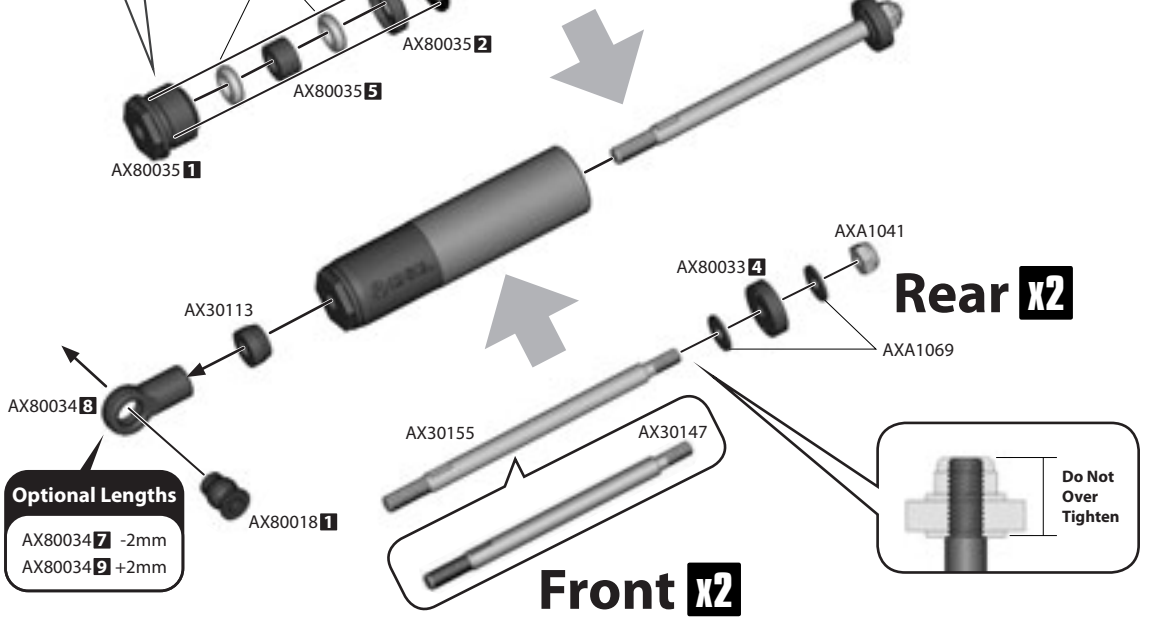
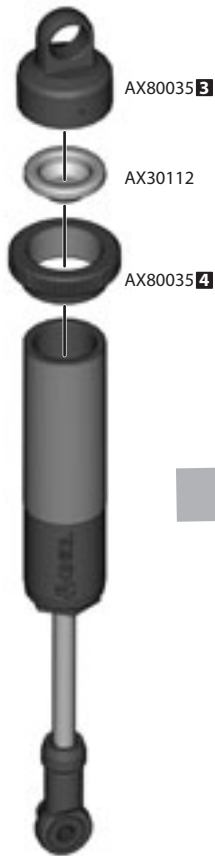


-  **AXA438**
M3x18mm **x9**
-  **AXA441**
M3x30mm **x3**



H**Open Bag H****AXA1041**
M2.5 Nylon Lock Nut **x4****AX30113**
Rubber Bump Stop 3.6x7x4 **x4****AXA1202**
O-Ring 3.5x2mm **x8****AXA1184**
O-Ring 7.5x1.5mm **x4****AX30112**
Shock Diaphragm 13x4.5mm **x4****AXA1069**
WASHER 2.7x6.7x0.5 **x8****35****Front x2**

Cross Section

AX80096 **1****AX30155**
Shock Shaft 3x59.5 **x2****AX30147**
Shock Shaft 3x53.5 **x2****Rear x2****Optional Lengths**AX80034 **7** -2mm
AX80034 **9** +2mm**Do Not
Over
Tighten****Front x2****36****x4**Shock Oil
30wtAX80035 **3**

AX30112

AX80035 **4****Front****Rear**

37



AX30229
Spring 14x54mm 4.33lbs-in Firm (Yellow) **x2**



AX30221
Spring 14x70mm 3.27 lbs/in - Firm (Yellow) **x2**



AX80034 **4**

Rear **x2**

AX30221

Front **x2**

AX30229



AX80033 **1**

Option Parts



AX30091
Aluminum 67-90mm Shock Set - 10mm Piston (2pcs)

AX30092
Aluminum 72-103mm Shock Set - 10mm Piston (2pcs)

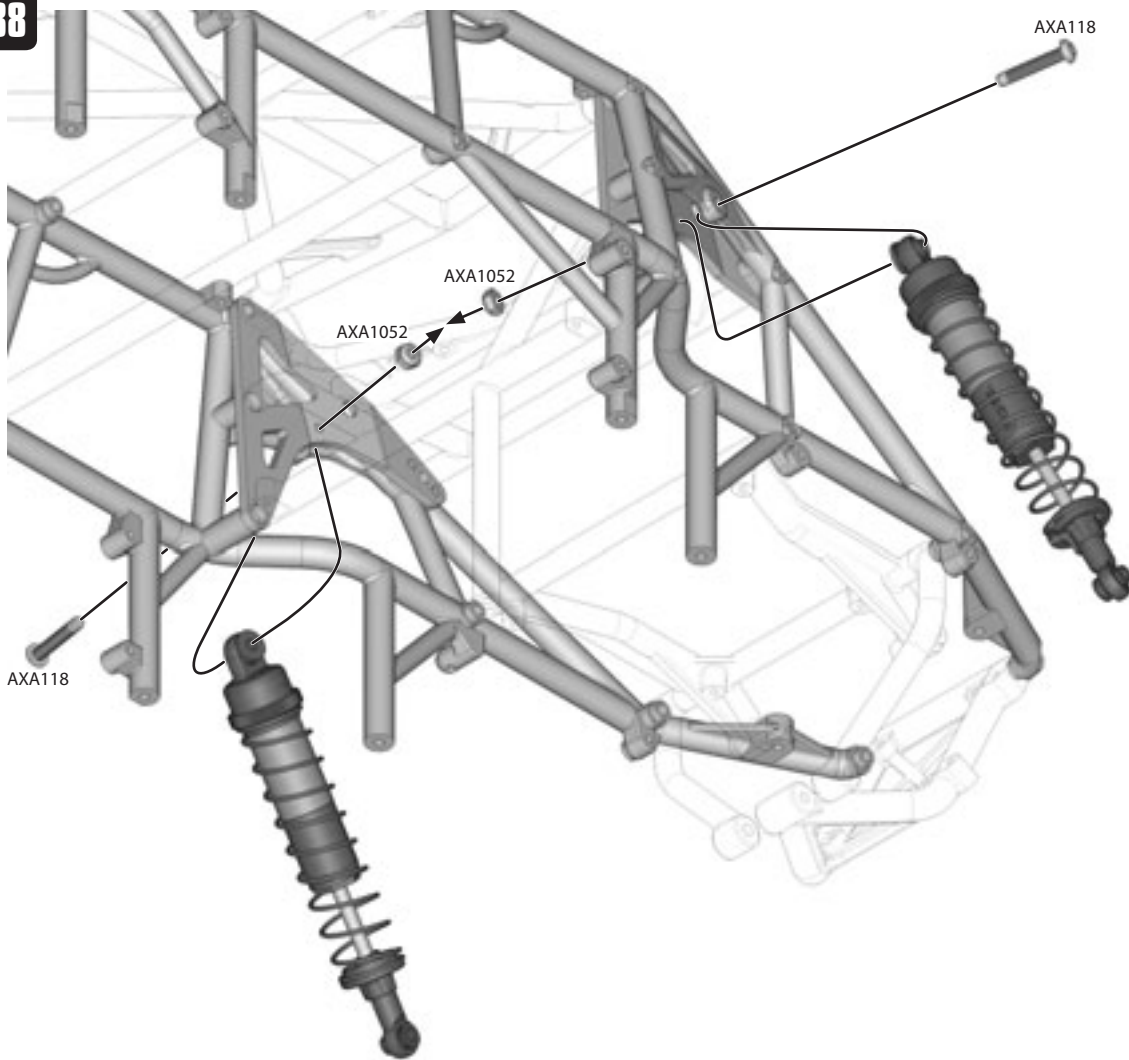


AXA118
M3x18mm **x2**



AXA1052
M3 Thin Nylon Locking Hex Nut **x2**

38



AXA118

AXA1052

AXA1052

AXA118

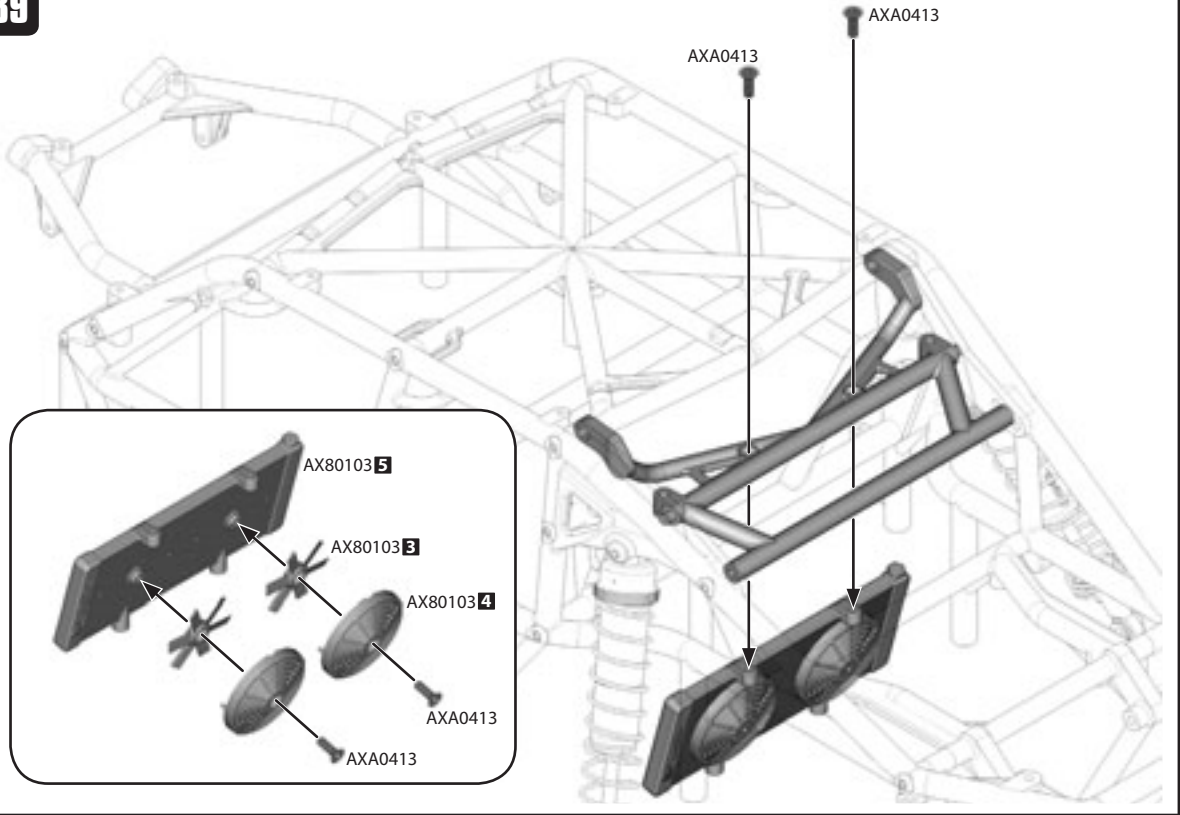
Open Bag I

39



AXA0413
M2.6x8mm

x4



AXA013
M2x6mm

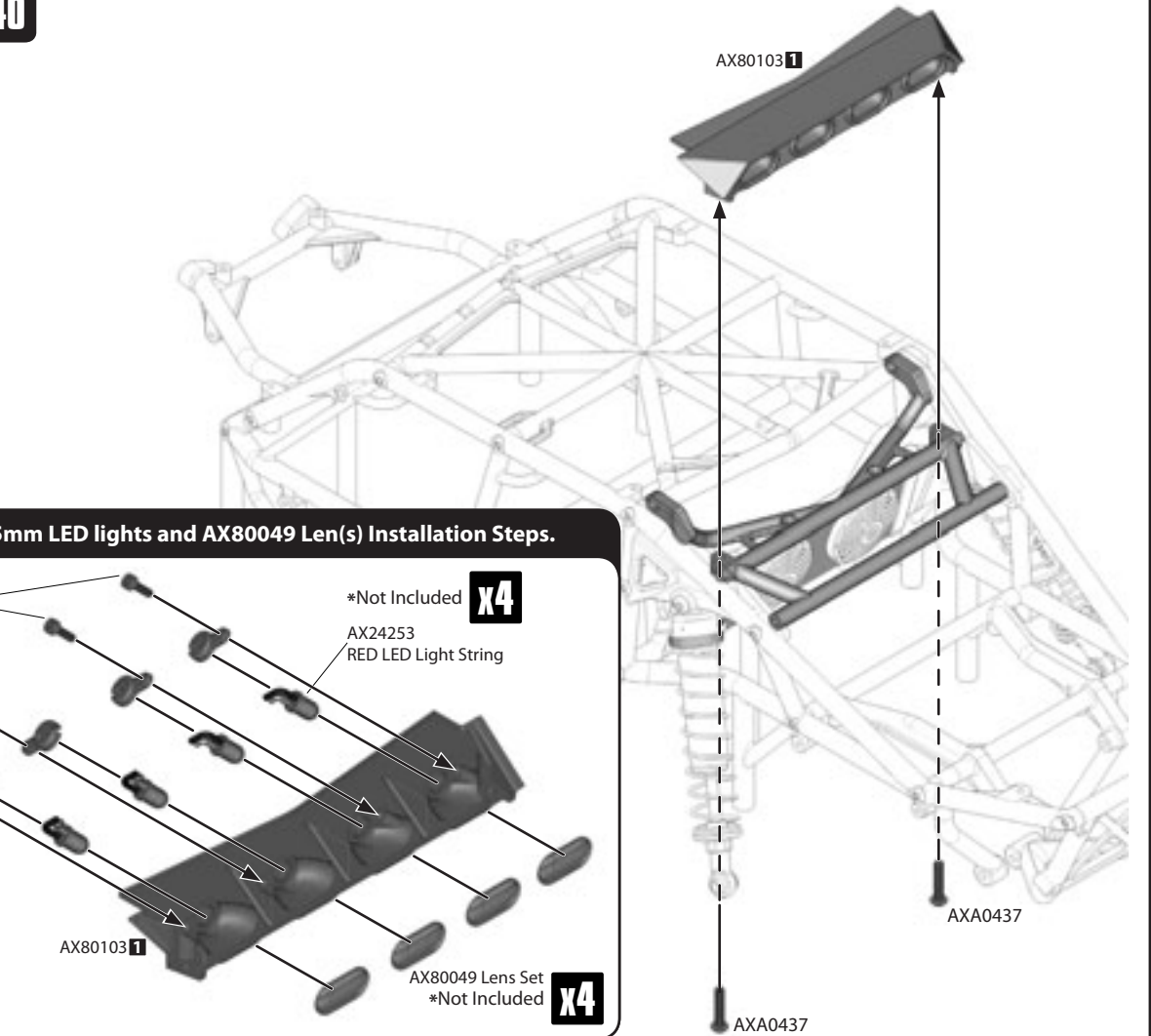
x4



AXA0437
M3x15mm

x2

40



Optional 5mm LED lights and AX80049 Len(s) Installation Steps.

AXA013

***Not Included** **x4**

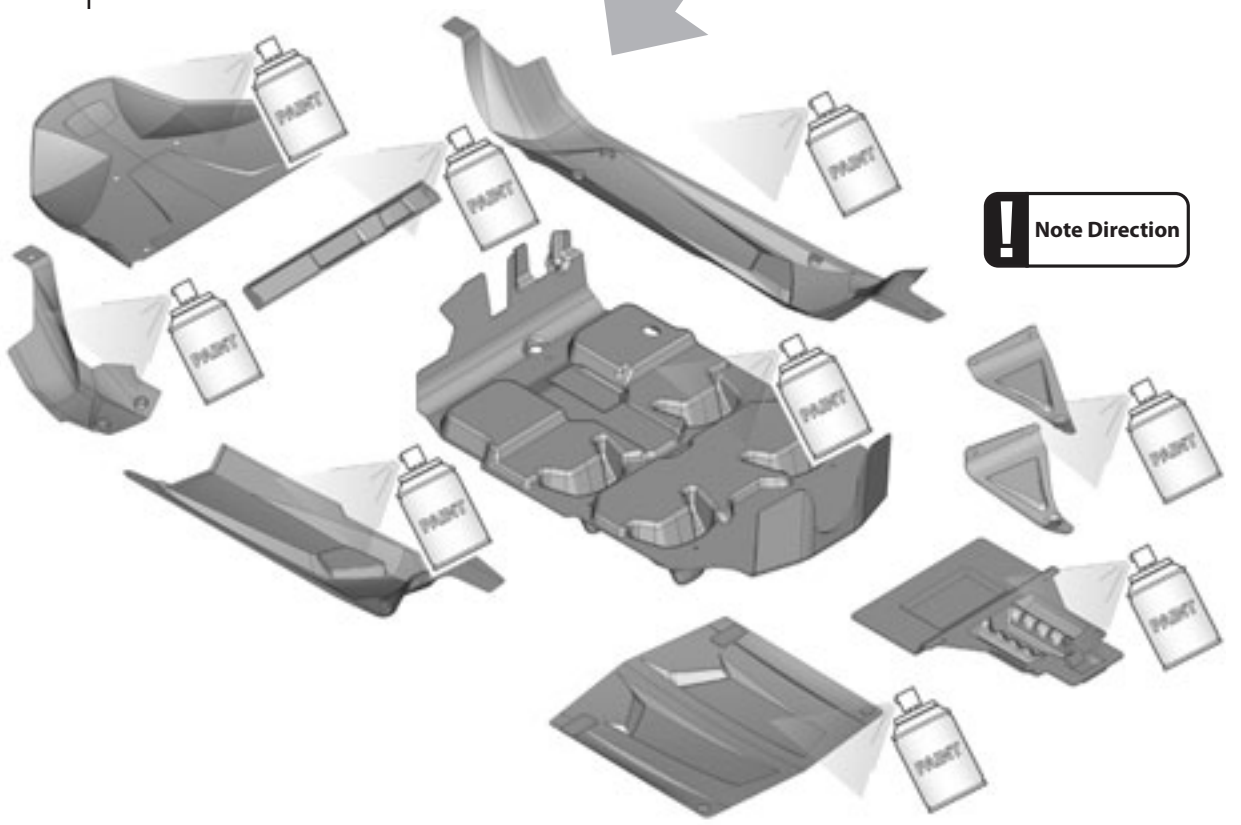
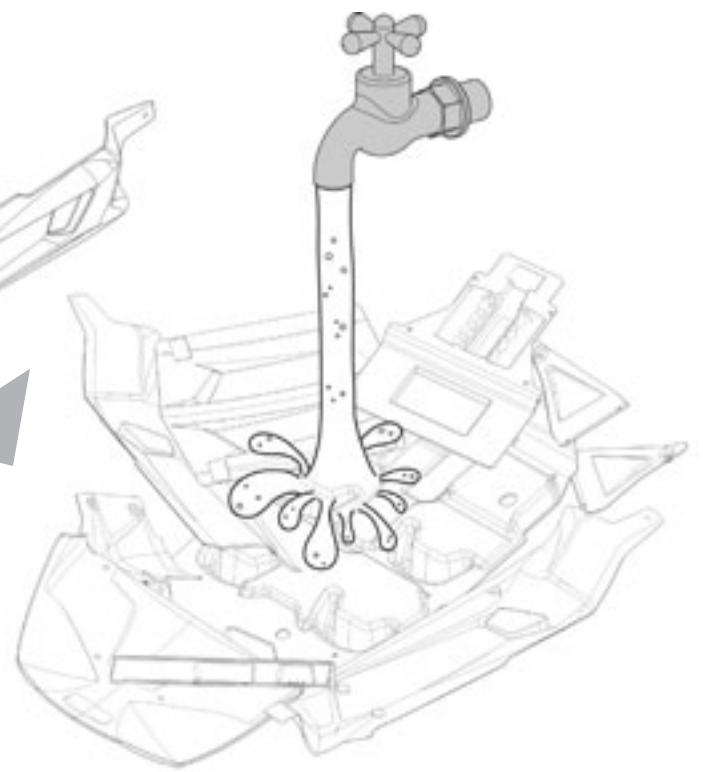
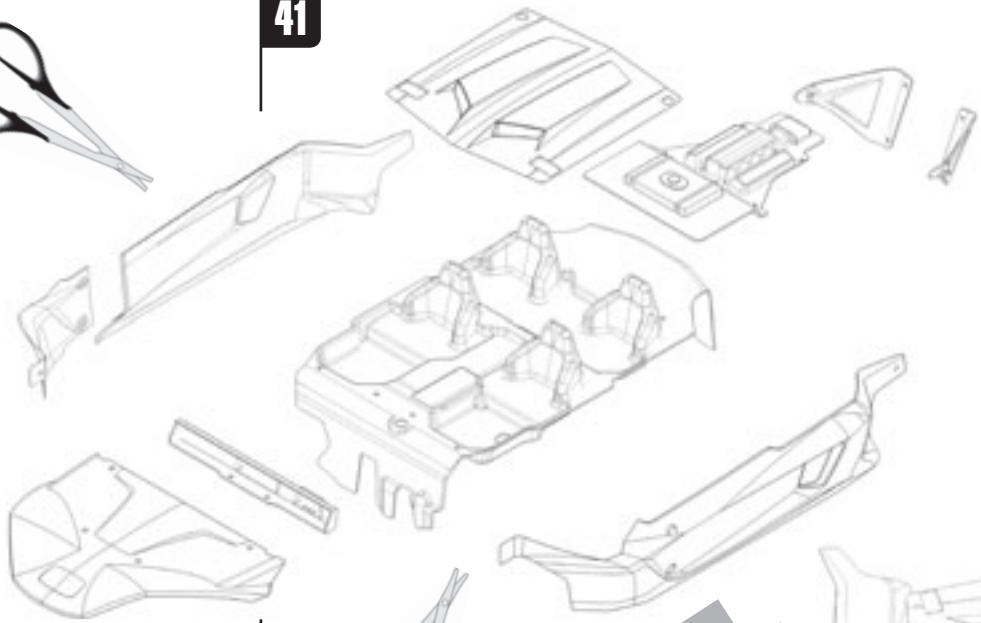
AX24253
RED LED Light String

AX80103 2

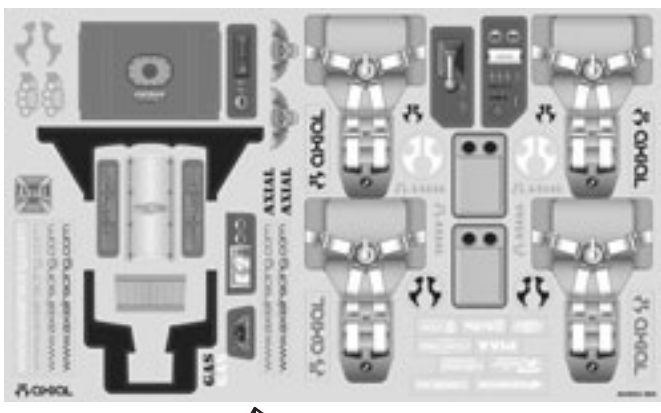
AX80103 1

AX80049 Lens Set
***Not Included** **x4**

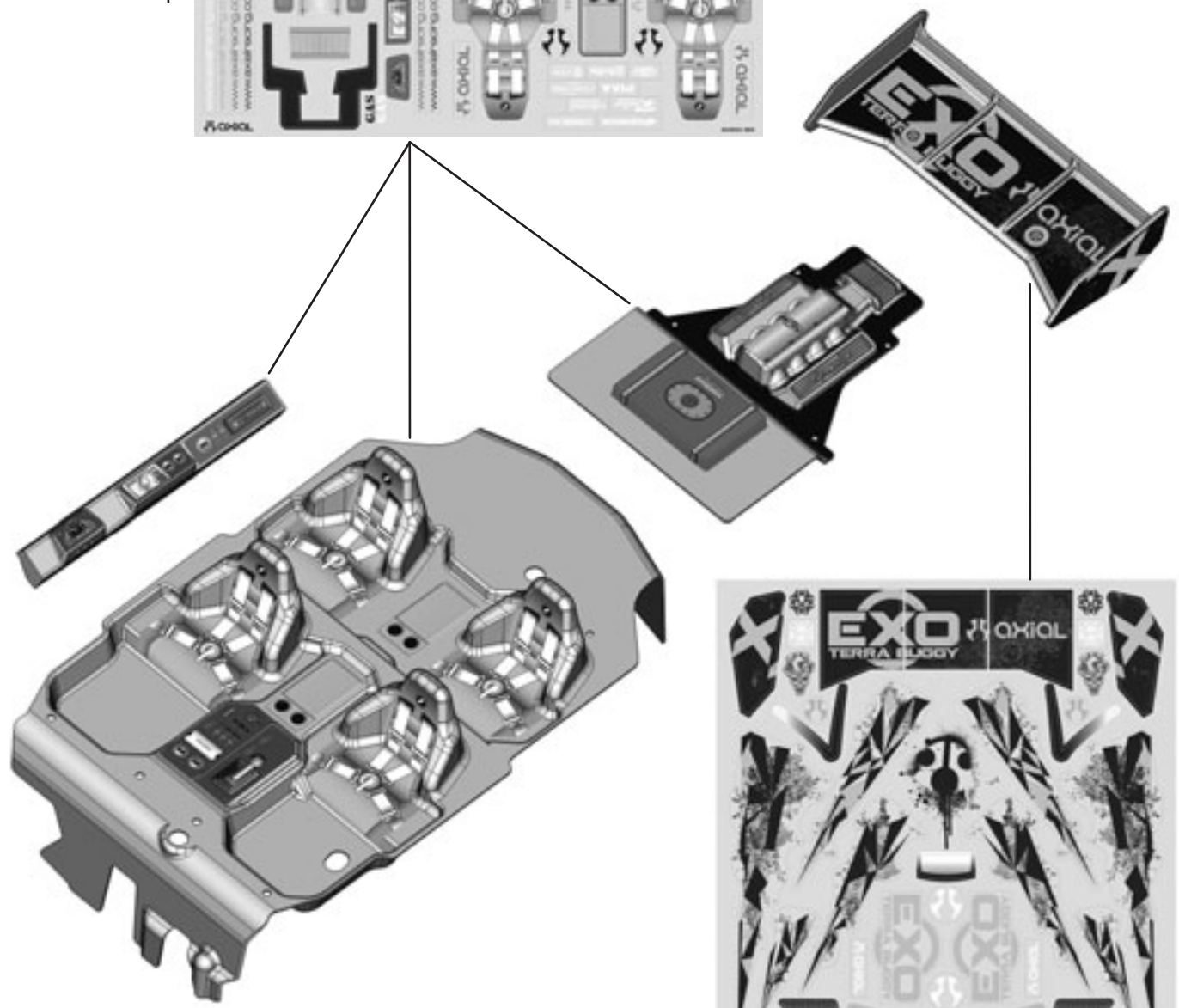
41



! Note Direction







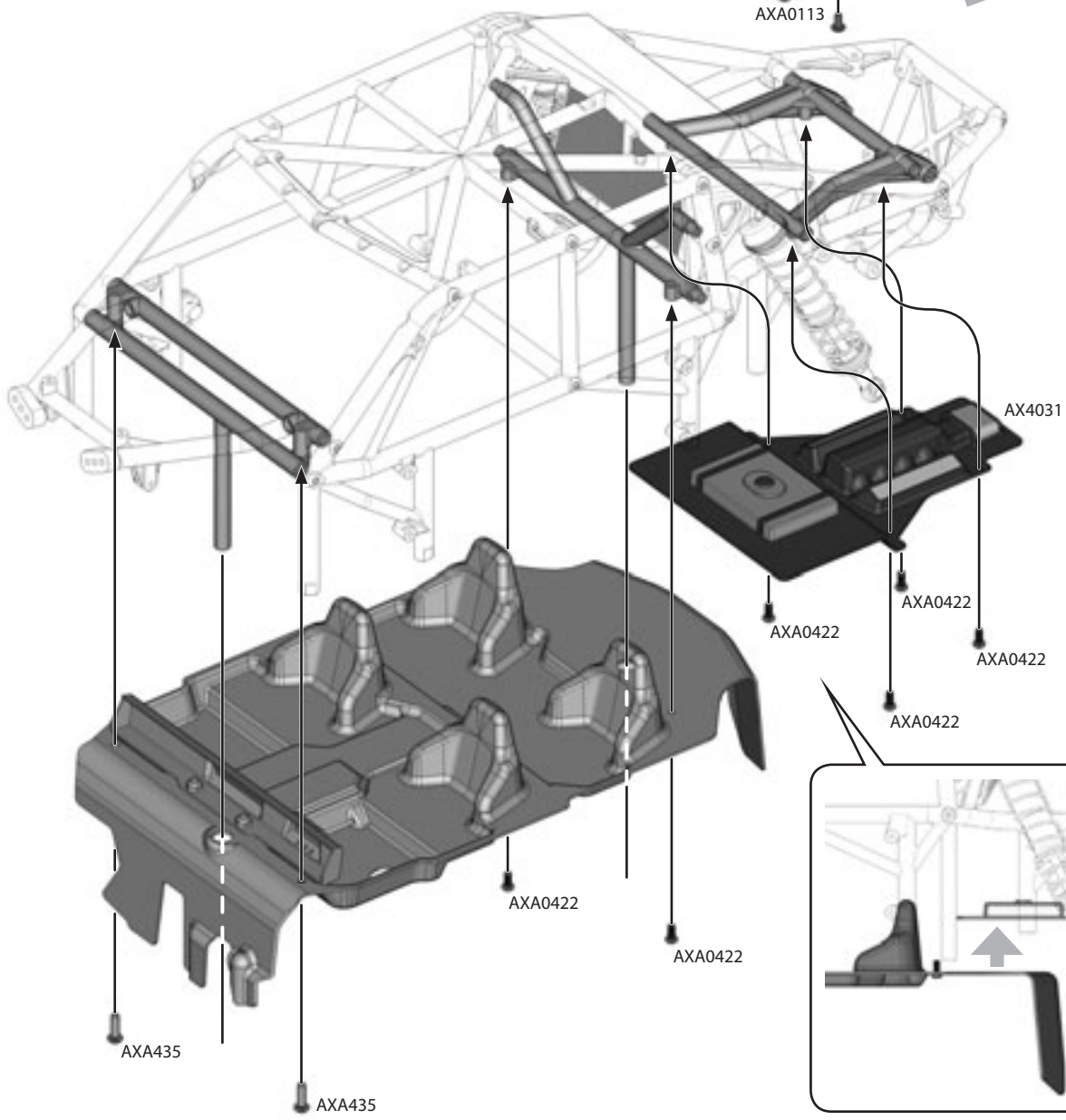
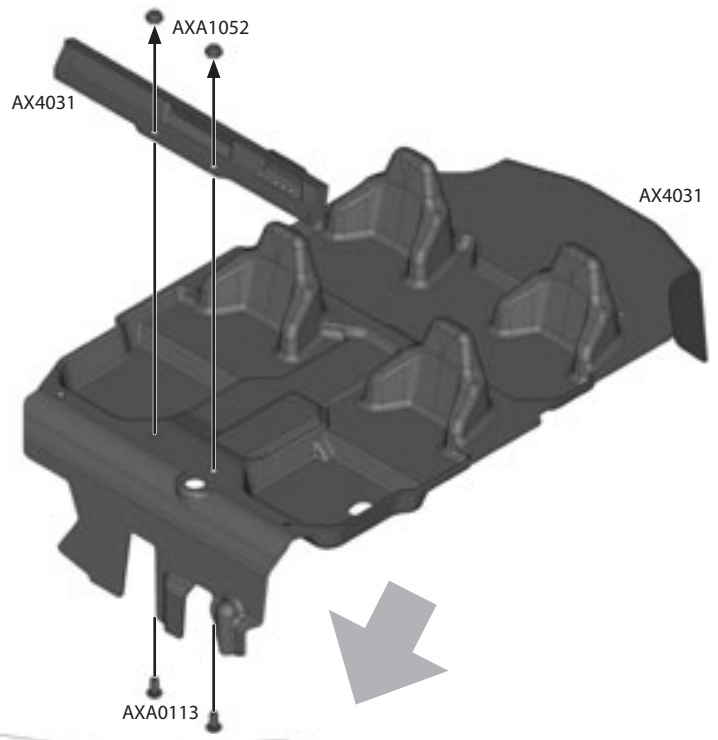
AX4031
EXO Terra Buggy Inner Body Decals



AX4031
EXO Terra Buggy Body Decal

43

-  **AXA0113**
M3x6mm **x2**
-  **AXA0422**
M2.6x6mm **x6**
-  **AXA435**
M3x10mm **x2**
-  **AXA1052**
M3 Thin Nylon Locking Hex Nut **x2**

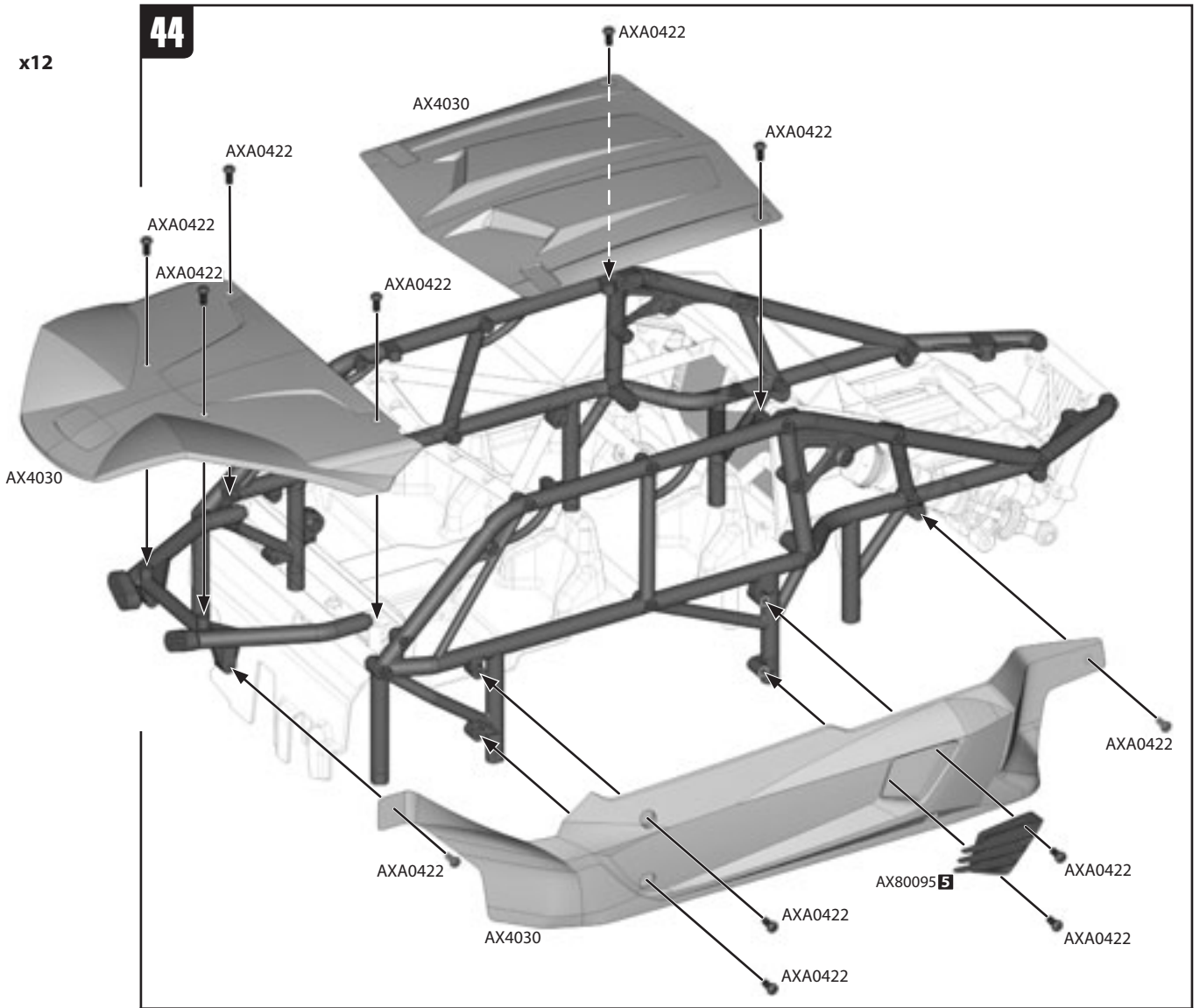




AXA0422
M2.6x6mm

x12

44



AXA013
M2x6mm

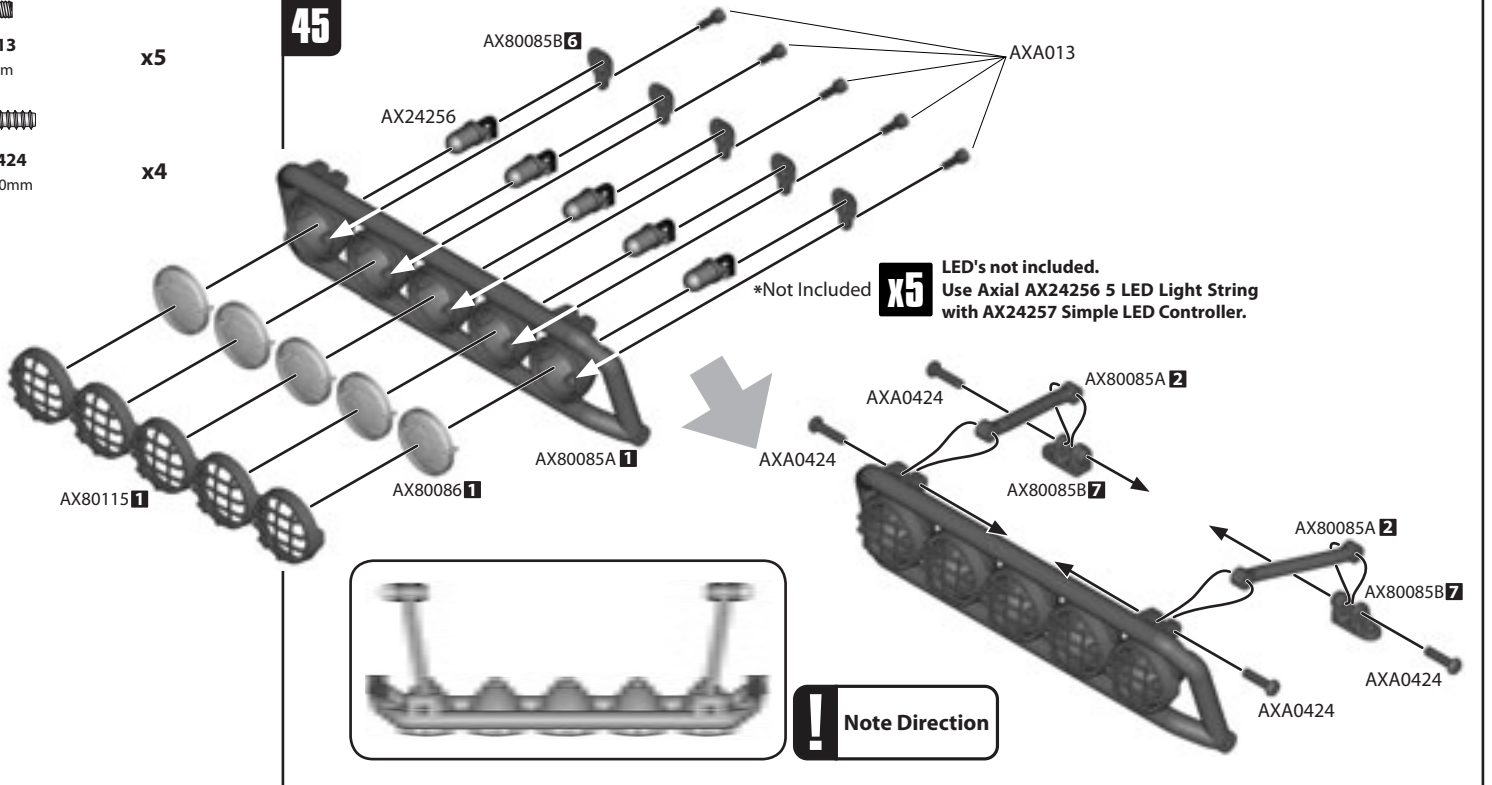
x5






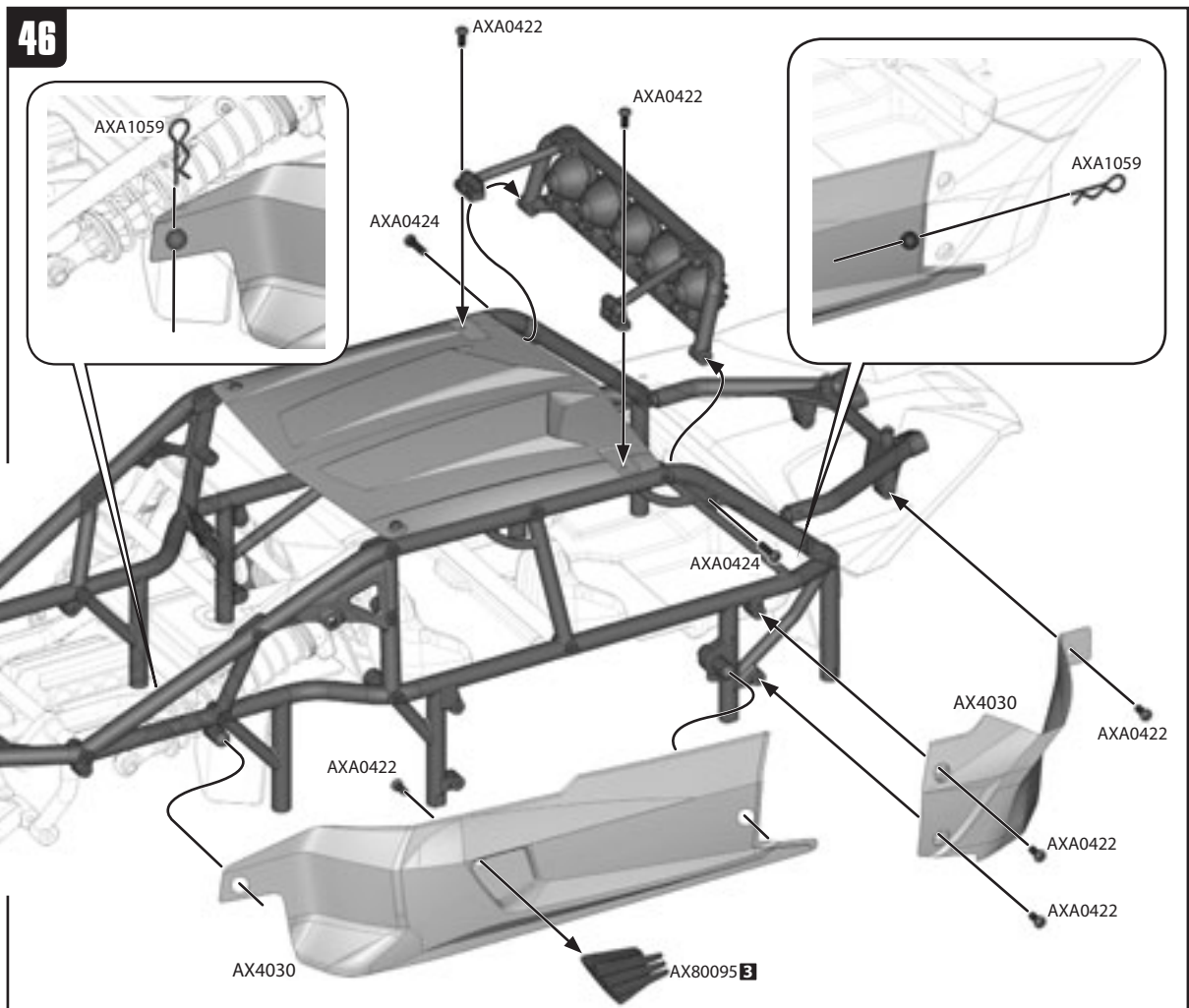
AXA0424
M2.6x10mm



x4

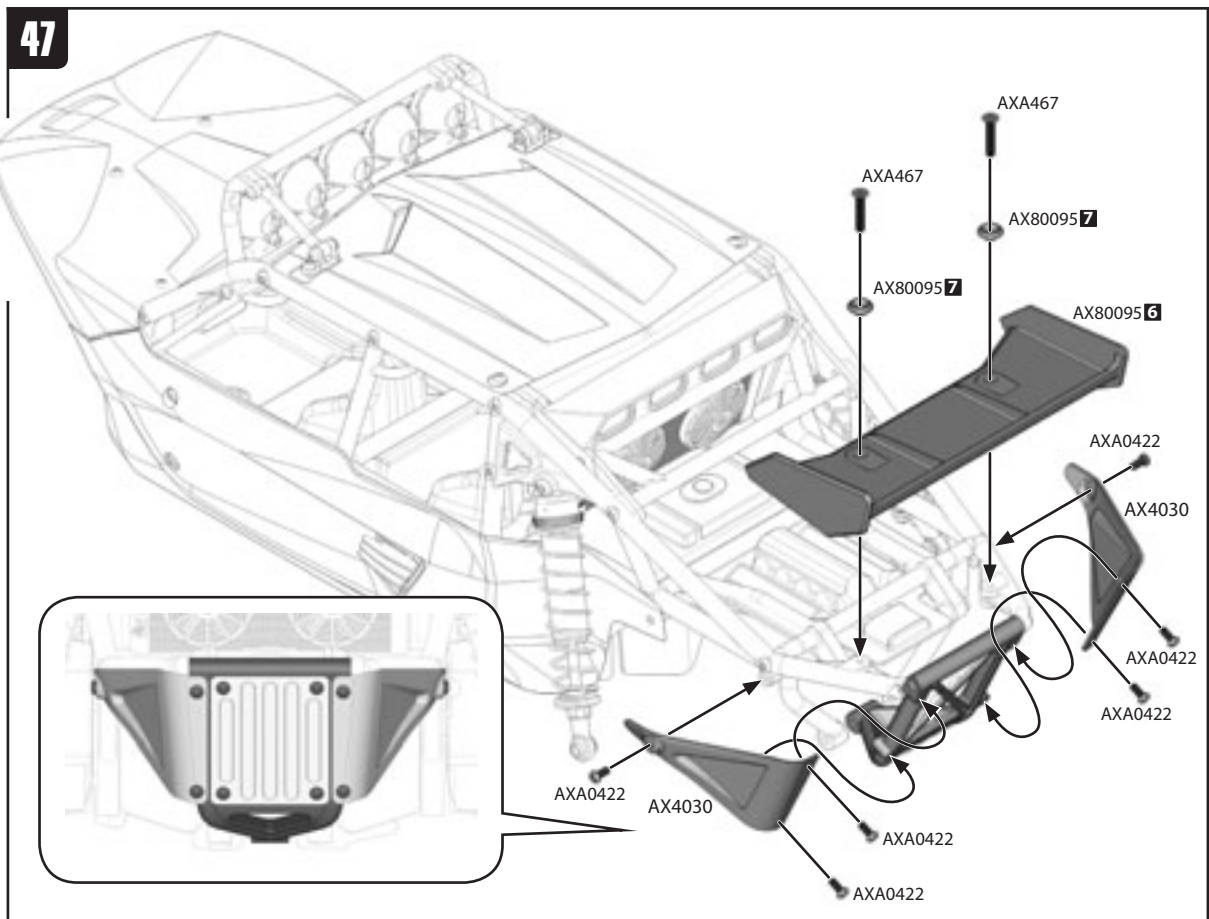
45



-  **AXA0422**
M2.6x6mm **x6**
-  **AXA0424**
M2.6x10mm **x2**
-  **AXA1059**
6mm Body Clips **x2**



-  **AXA0422**
M2.6x6mm **x6**
-  **AXA467**
M3x16mm **x2**



J

Open Bag J

48

Note Direction



AXA0437
M3x15mm x2



AXA438
M3x18mm x10



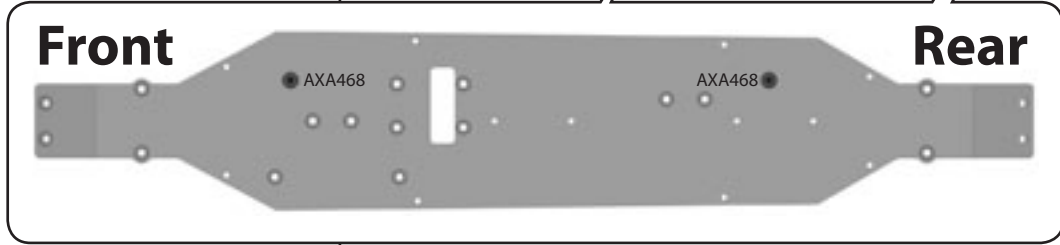
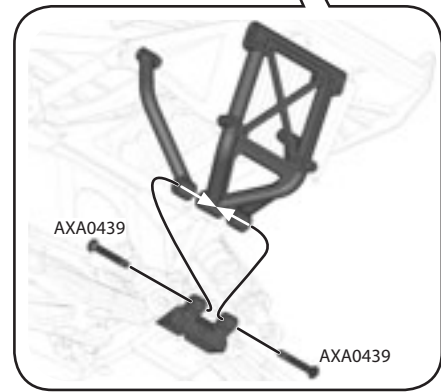
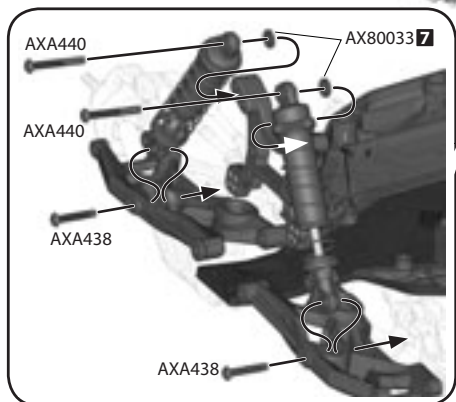
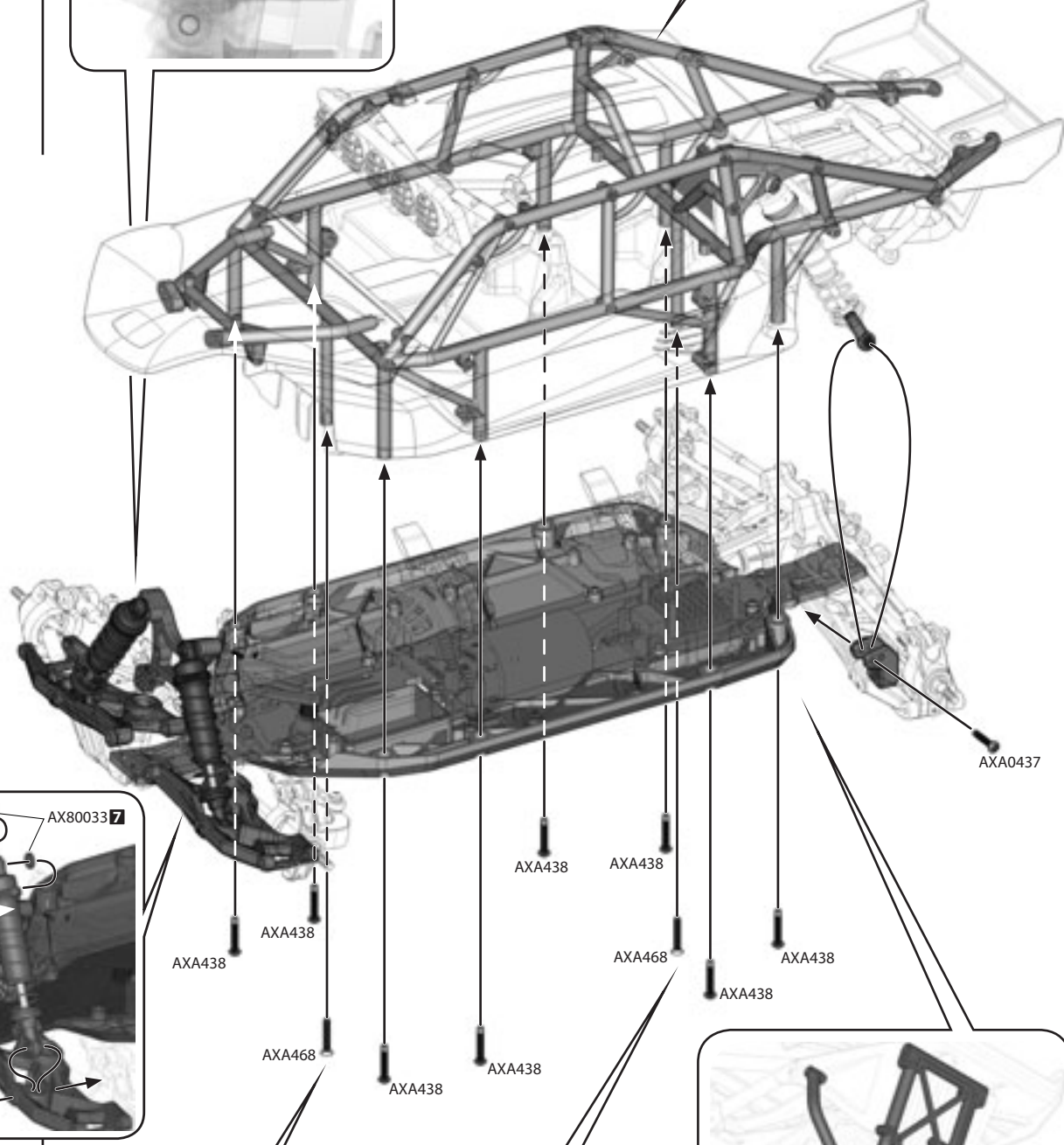
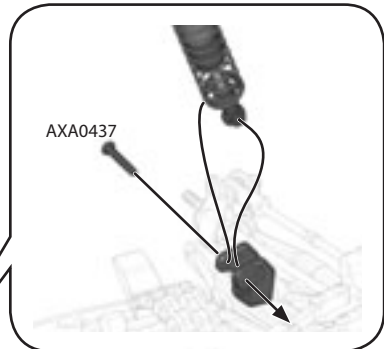
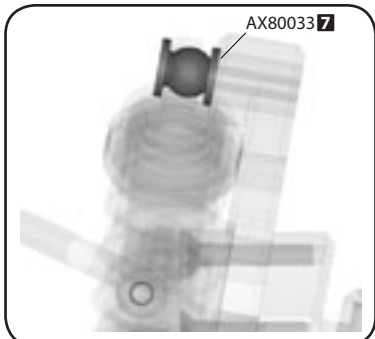
AXA0439
M3x20mm x2



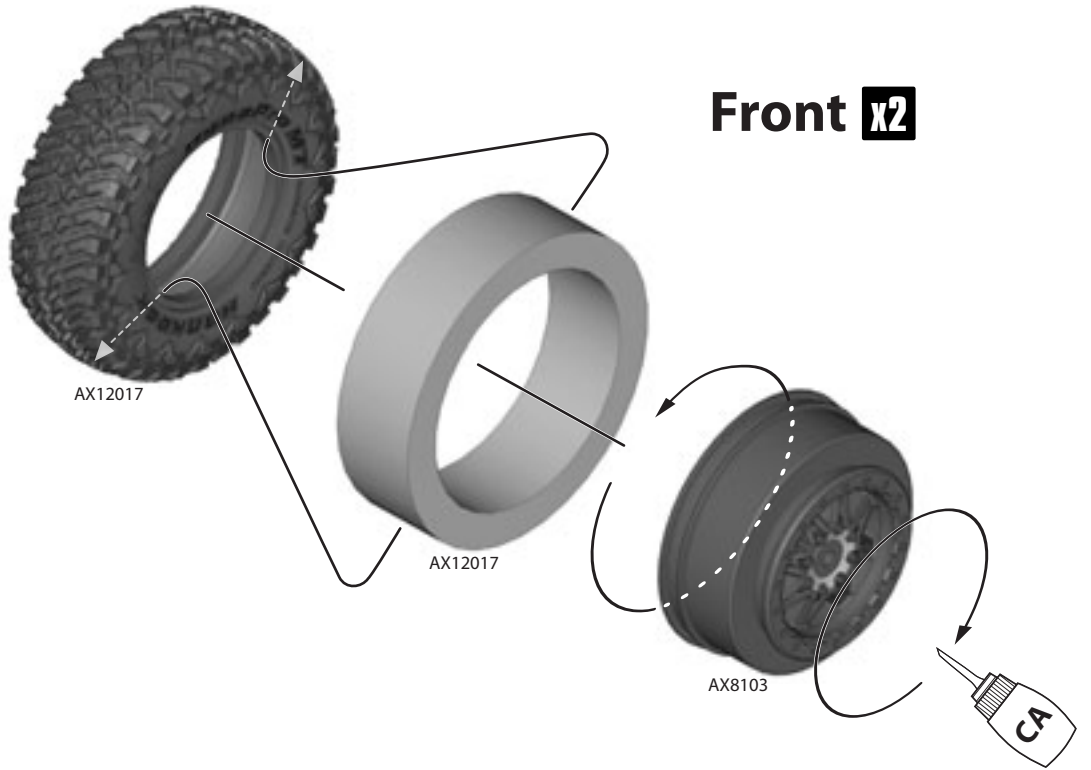
AXA440
M3x25mm x2



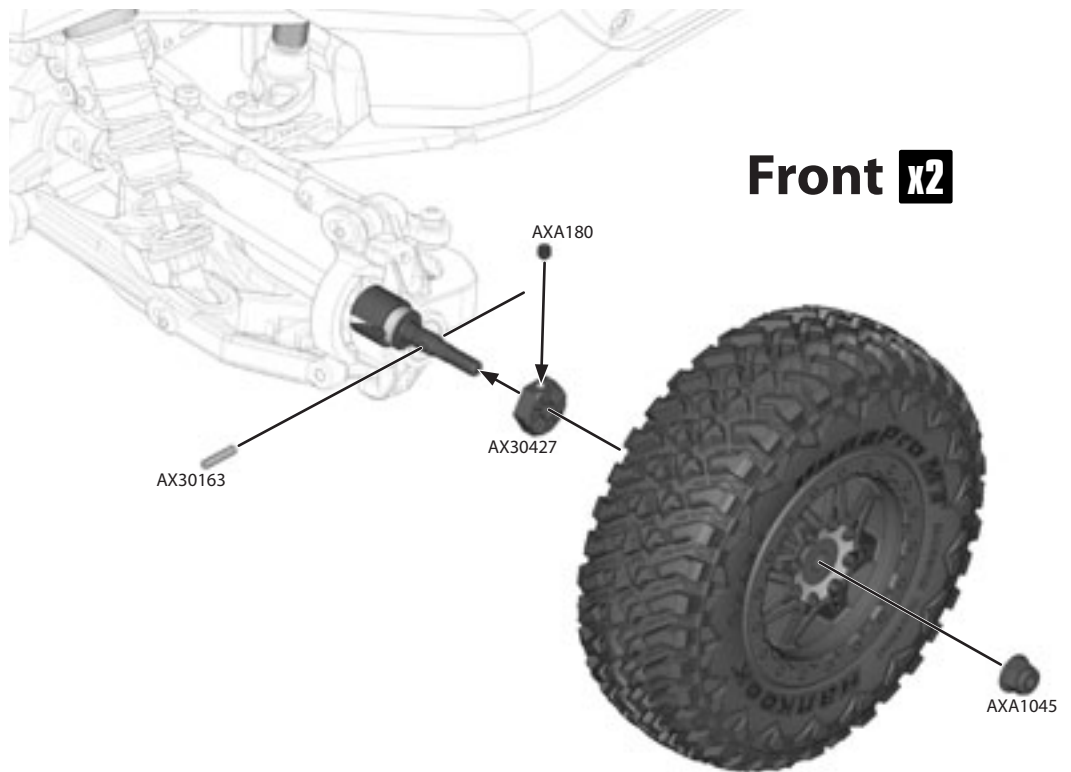
AXA468
M3x18mm x2



49




50



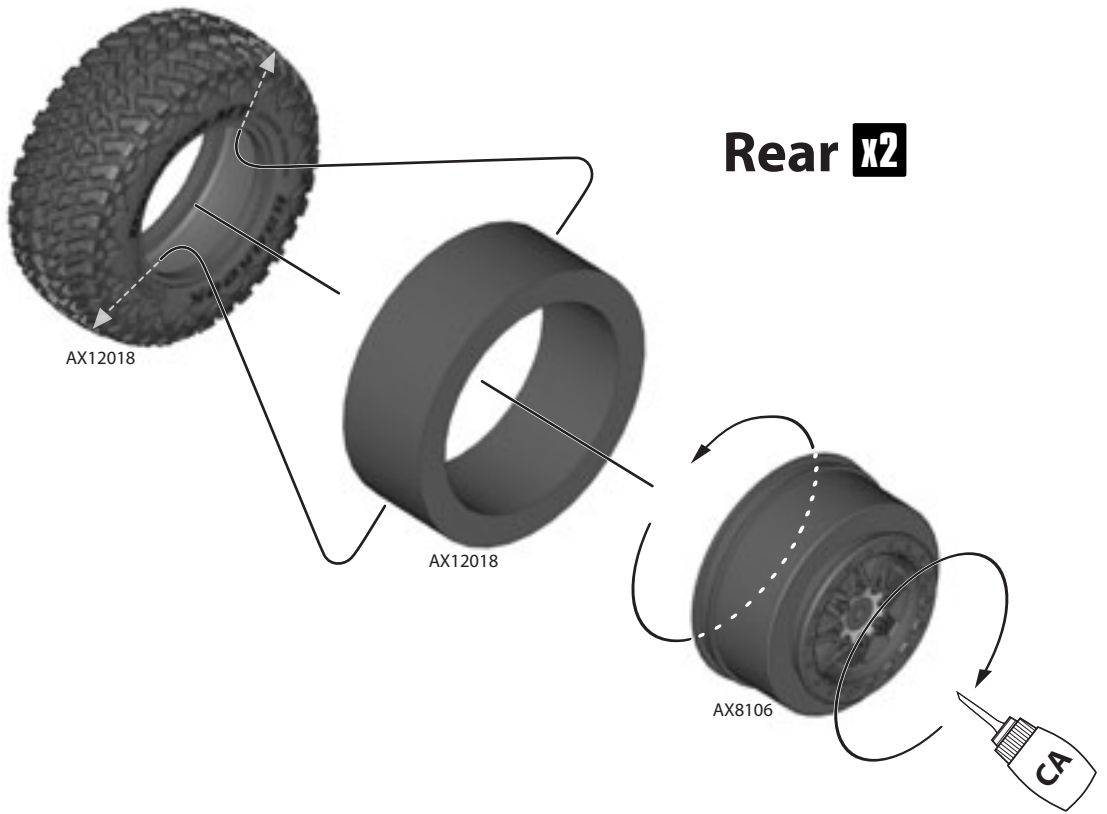
 **AXA180**
M3x3mm **x2**

 **AX30163**
PIN 2.0x10mm **x2**

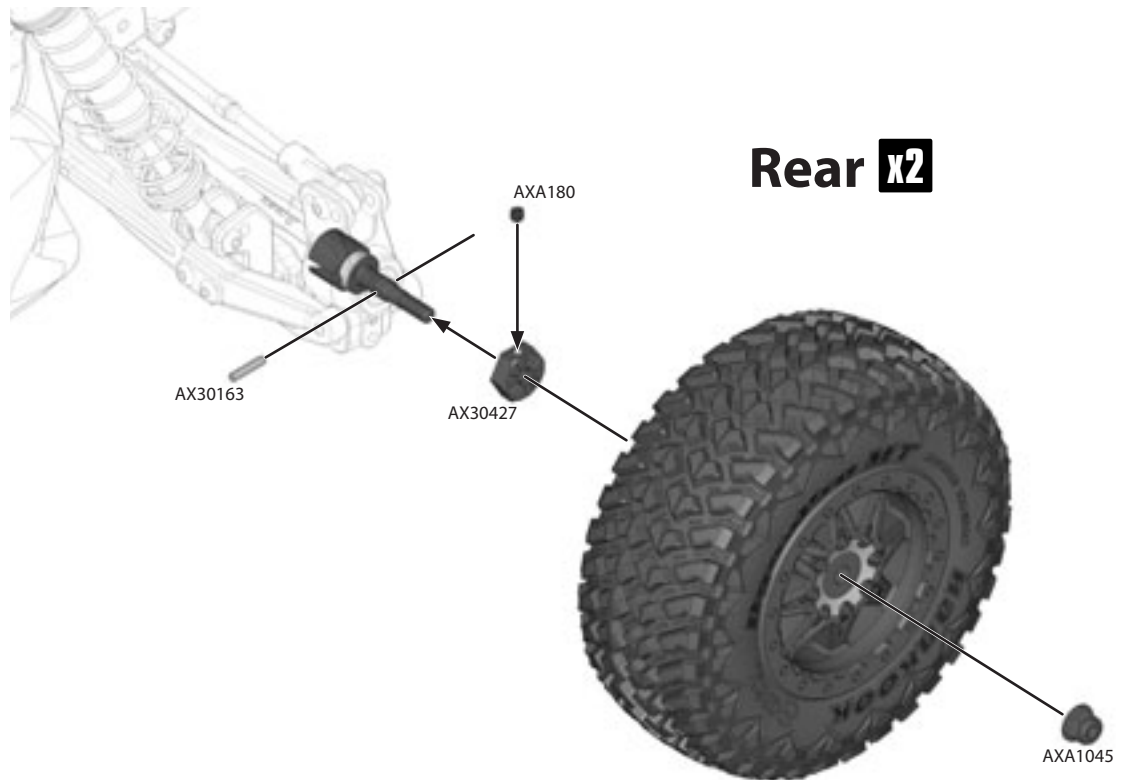
 **AXA1045**
M4 Nylon Lock Nut (Black) **x2**

 **AX30427**
12mm Aluminum Hub (Black) **x2**


51




52



 **AXA180**
M3x3mm x2

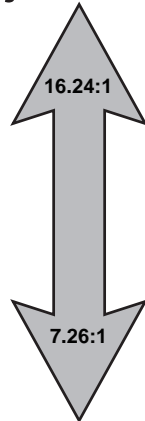
 **AX30163**
PIN 2.0x10mm x2

 **AXA1045**
M4 Nylon Lock Nut (Black) x2

 **AX30427**
12mm Aluminum Hub (Black) x2

Gear Ratio / Getriebeübersetzung

Slower - More Torque
Langsamer - Mehr Kraft



Faster - Less Torque
Schneller - Weniger Kraft

32 Pitch (Stock Gearing AX30392 of AX30395)

Pinion	Spur Gear			
	48	50	52	54
11	12.76	13.29	13.82	14.35
12	11.69	12.18	12.67	13.15
13	10.79	11.24	11.69	12.14
14	10.02	10.44	10.86	11.27
15	9.35	9.74	10.13	10.52
16	8.77	9.13	9.50	9.87
17	8.25	8.60	8.94	9.29

32 Pitch (Overdrive Gearing AX30401)

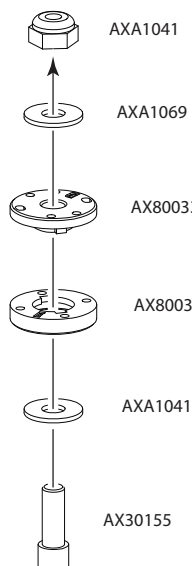
Pinion	Spur Gear			
	48	50	52	54
11	11.22	11.69	12.16	12.62
12	10.29	10.71	11.14	11.57
13	9.49	9.89	10.29	10.68
14	8.82	9.18	9.55	9.92
15	8.23	8.57	8.91	9.26
16	7.71	8.04	8.36	8.68
17	7.26	7.56	7.87	8.17

32 Pitch (Underdrive Gearing AX30402)

Pinion	Spur Gear			
	48	50	52	54
11	14.43	15.03	15.64	16.24
12	13.23	13.78	14.33	14.88
13	12.21	12.72	13.23	13.74
14	11.34	11.81	12.29	12.76
15	10.58	11.03	11.47	11.91
16	9.92	10.34	10.75	11.16
17	9.34	9.73	10.12	10.51

Shock Tuning / Stosdämpferabstimmung

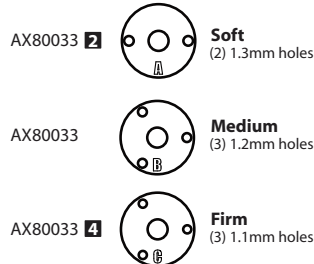
Installation



Pistons

Standard Pistons

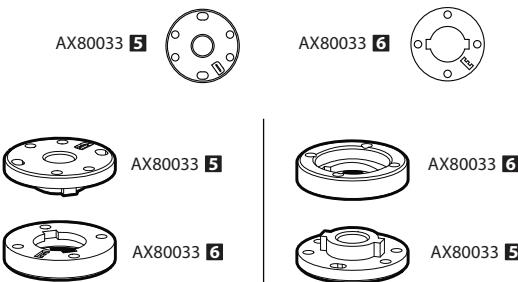
Provides the same dampening rate on both compression and extension



Less
↑
Dampening
↓
More

Variable Rate Pistons

Provides a different dampening rate depending on which direction you install.



Install this direction for faster rebound and slower compression

Install this direction for Slower rebound and faster compression

Springs/Oil



Springs

Depending on the application you may want a firmer spring than what is included. Selecting a spring rate is based on each vehicles weight and handling and usually will require some trial and error.

For rock crawling applications it is recommended to use a stiffer spring on which ever corner is exhibiting torque twist.

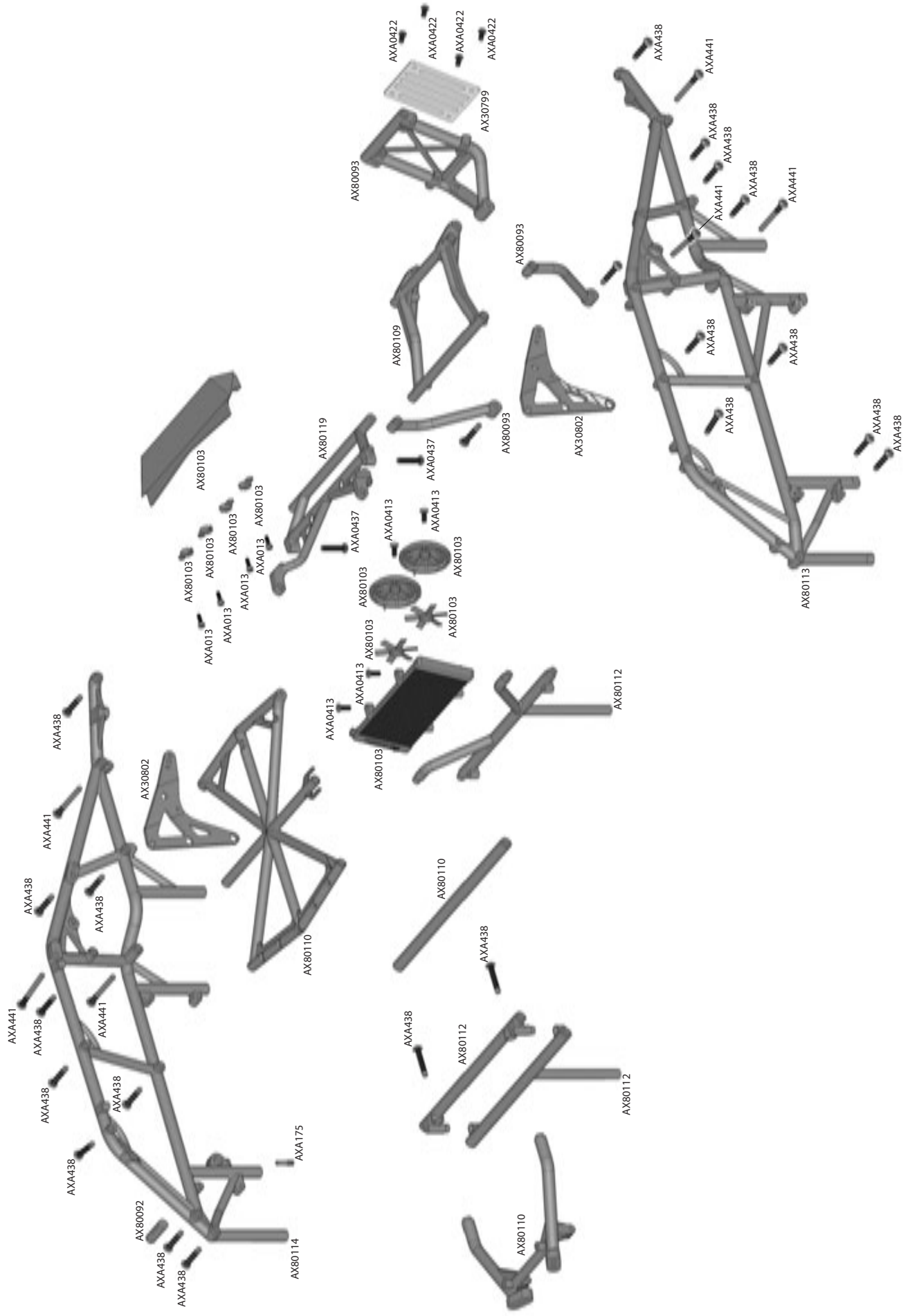
Oil

Oils are another element you can use to tune the handling of your vehicle. You want an oil that allows the vehicle to handle the terrain well, but not too thin as to exhibit a springy bounce while driving.

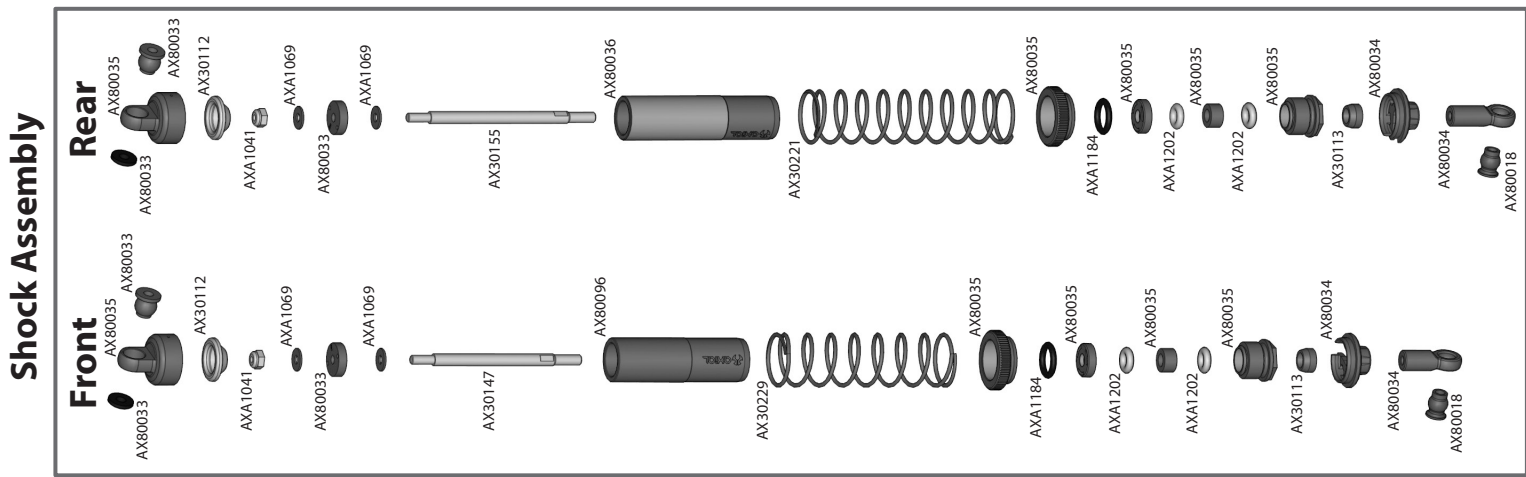
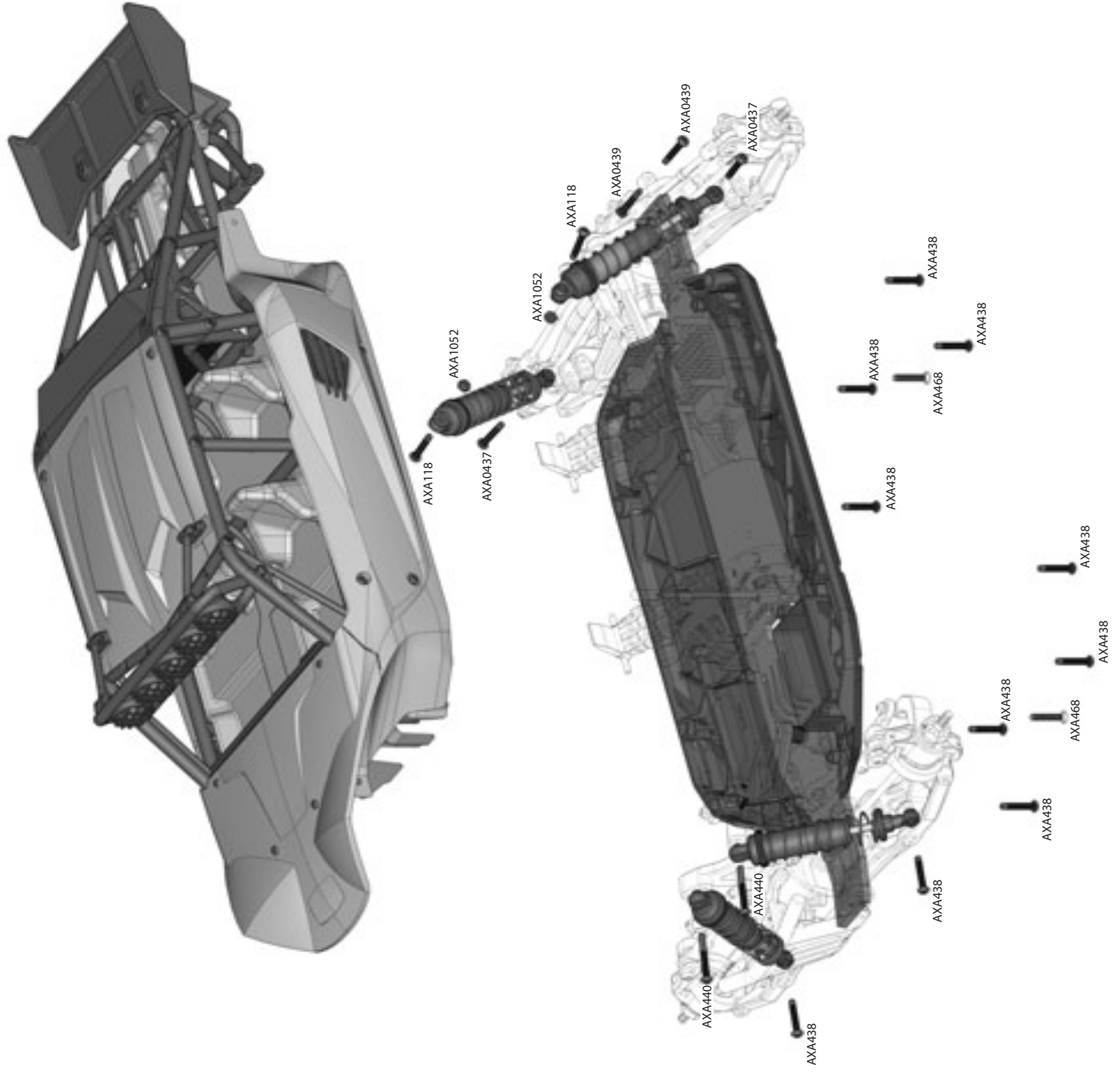
We recommend starting with a good 30 wt. silicone oil. If you are looking for a faster rebound/compression rate use a lower weight oil. If you are looking for a slower rebound/compression rate use a higher weight oil.



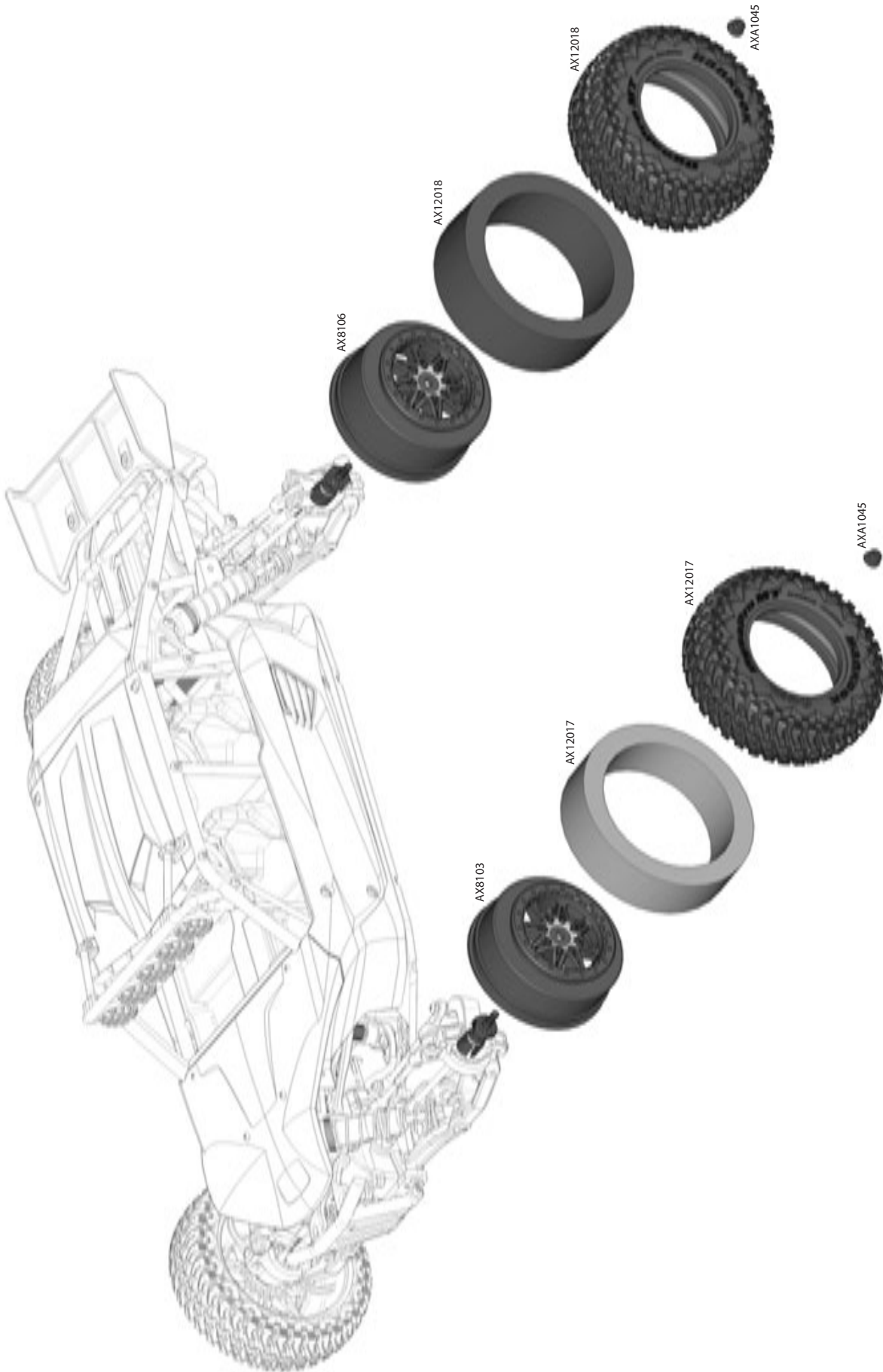
Cage Assembly



Final Assembly



Wheel Assembly



Warranty Info

Axial Limited Warranty (USA)

Your Axial product is warranted to be free of defects in materials and workmanship when new. This warranty does not cover damages due to normal wear and tear, user's failure to perform routine maintenance, user error of assembly or installation, user modifications, addition of aftermarket parts or option parts. This warranty lasts as long as the original purchaser owns the product, and is not transferable (Verified by dated itemized sales receipt). In the event of a defect under this warranty, Axial will, at our discretion, repair or replace the product, provided our inspection indicates that an original defect exists. Axial reserves the right to replace any product which is no longer available with a product of comparable value and function. If Axial determines the repair is not covered under warranty guidelines, there could be a charge applied for the repair and return shipping charges.

International Customers Warranty

Please return product to the dealer where the purchase was made. If your Axial product purchase was made through an on-line retailer, any warranty issues must be taken care of by that retailer. Axial assumes no responsibility for Axial products sold internationally by on-line retailers.

Service

If you need service on your Axial product here are some simple steps to follow when sending in product in for Warranty/ Repair.

STEP 1:

Contact Axial Customer Service at 949-600-8642 Ext: 206 to receive a Return Merchandise Number (RMA#). **Note:** Axial requires the RMA# to be placed on the return merchandise box when shipped to Axial.

STEP 2:

Please write a short note explaining the issue you experienced with the product.

STEP 3:

Include your return address with a daytime phone number and /or e-mail address.

STEP 4:

Please include a Money Order in the amount \$10.00 made payable to Axial for return shipping costs although If product is found to be under Axial Warranty coverage, the \$10.00 will be refunded to you.

PLEASE NOTE: Tuning issues are not covered under the Axial Warranty and shipping fee's do apply.

Please allow 5-10 working days for product to be returned. Axial ships using United Postal Service Priority mail or UPS Ground. Any expedited shipping must be arranged and prepaid by customer. Axial will not be responsible for lost or damaged packages.

Parts List

Part #	Description	Part #	Description
AX04030	EXO Terra Buggy Body - .040" (Clear)	AX30801	EXO Servo Saver Retaining Nut and Shaft (Black)
AX04031	EXO Terra Buggy Interior Set - .040" (Clear)	AX30802	EXO Rear Shock Tower Brace Set Aluminum (2pcs)
AX08101	2.2 3.0 Raceline Renegade Wheels - 41mm (Black) (2pcs)	AX30806	EXO Servo Saver Spring - Firm
AX08104	2.2 3.0 Raceline Renegade Wheels - 34mm (Black) (2pcs)	AX30808	EXO Battery Straps (Pair)
AX12017	2.2 3.0 Axial Hankook MT Tires 34mm - R35 Compound (2pcs)	AX30863	EXO Front Toe Block Set Aluminum (2pcs)
AX12018	2.2 3.0 Axial Hankook MT Tires 41mm - R35 Compound (2pcs)	AX30864	EXO Rear Toe Block Set Aluminum (2pcs)
AX30031	Antenna	AX80002	Diff Case -Small
AX30112	Shock Diaphragm 13x4.5mm (6pcs)	AX80005	Linkage Set
AX30113	Rubber Bump Stop 3.6x7x4 (6pcs)	AX80006	Servo Set
AX30147	Shock Shaft 3x53.5mm (2pcs)	AX80018	Hardware Parts Tree
AX30155	Axial Ti-Nitride Coated Shock Shaft 3x59.5 (2pcs)	AX80033	Axial 10mm Shock Parts Tree 1
AX30163	Pin 2.0x10mm (6pcs)	AX80034	Axial 10mm Shock Parts Tree 2
AX30170	Shaft 3 x 22 (2pcs.)	AX80035	Axial 10mm Shock Caps Parts Tree
AX30173	Pin 2.5x31.5mm	AX80036	Axial 72-103mm Shock Body
AX30174	Pin 3x29mm Grooved	AX80085	Universal Mount 5 Bucket Light Bar (Black)
AX30221	Spring 14x70mm 3.27 lbs/in - Firm (Yellow) (2pcs)	AX80086	Light Bar Lenses (Clear) (5pcs)
AX30229	Spring 14x54mm 4.33 lbs/in - Firm (Yellow) - (2pcs)	AX80091	EXO Bulkhead
AX30366	Axle 5x35mm (2pcs)	AX80092	EXO Linkage Set
AX30379	Dogbone Set 7x94mm (2pcs)	AX80093	EXO Tube Bumpers (Front and Rear)
AX30381	EXO Heavy Duty Differential Output Shaft (2pcs)	AX80094	EXO Lower Rear Control Arms Set
AX30382	EXO Steering King Pin (TiN Coated) (2pcs)	AX80095	EXO Rear Wing and Vents
AX30383	EXO Heavy Duty Differential Input Shaft (2pcs)	AX80096	67-90mm Shock Body Set
AX30384	EXO Steering Post Steel (Black) (2pcs)	AX80097	EXO Shock Tower Set (Front and Rear)
AX30385	Diff Gasket 16x25x0.5mm (2pcs)	AX80098	EXO Adjustable Battery Mount Set
AX30390	Differential gear set	AX80099	EXO Steering Knuckle Set
AX30392	Bevel Gear Set (38/13)	AX80100	EXO Chassis Guard and Toe Block Insert Set (Front and Rear)
AX30408	Steel Input Shaft 5x29mm (2pcs)	AX80101	EXO Chassis Brace Set
AX30409	EXO Steering Rack Aluminum (Black)	AX80102	EXO Servo Saver Assembly
AX30418	Dogbone Set 7x96mm (2pcs)	AX80103	EXO Rear Light Bezel and Radiator Set
AX30424	EXO Center Driveline Dogbone Set (2pcs)	AX80104	EXO Rear Hub Set
AX30427	Axial Narrow 12mm Aluminum Hub - Black (4pcs)	AX80105	EXO Chassis Component Mounts
AX30566	Radio Box Gasket Set (3pcs)	AX80106	EXO Steering Knuckle Carrier Set
AX30741	Spur Gear 32P 48T	AX80107	EXO Radio Box and Electronic Component Mounts
AX30742	Spur Gear 32P 50T	AX80108	EXO Chassis Tub (Left and Right)
AX30743	Spur Gear 32P 52T	AX80109	EXO Cage Center Rear
AX30744	Spur Gear 32P 54T	AX80110	EXO Cage Center Top and Front
AX30799	EXO Bumper Skid Plates Aluminum (Front and Rear)	AX80111	EXO Lower Front Control Arms Set
AX30800	EXO Adjustable Motor Mount System (Black)	AX80112	EXO Cage Lower Center

Parts List

Part #	Description	Part #	Description
AX80113	EXO Cage Driver Side	AX30218	Spring 14x70mm 2.07 lbs/in - Super Soft (Red) (2pcs)
AX80114	EXO Cage Passenger Side	AX30219	Spring 14x70mm 2.47 lbs/in - Soft (White) (2pcs)
AX80115	Light Bar Lens Grills (Axial, PIAA, Un-Marked)	AX30220	Spring 14x70mm 2.85 lbs/in - Medium (Green) (2pcs)
AXA0093	M3x40mm Cap Head (Black) (10pcs)	AX30221	Spring 14x70mm 3.27 lbs/in - Firm (Yellow) (2pcs)
AXA0113	M3x6mm Hex Socket Button Head (Black) (10pcs)	AX30222	Spring 14x70mm 3.55 lbs/in- Super Firm (Blue) (2pcs)
AXA013	M2x6mm Cap Head (Black Oxide) (10pcs)	AX30227	Spring 14x54mm 3.4 lbs/in - Soft (White) (2pcs)
AXA015	M2x10mm Cap Head (Black Oxide) (10pcs)	AX30228	Spring 14x54mm 3.85 lbs/in - Medium (Green) (2pcs)
AXA0181	M3x4mm Set Screw (Black) (10pcs)	AX30229	Spring 14x54mm 4.33 lbs/in - Firm (Yellow) (2pcs)
AXA0286	Screw Shaft M4x2.5x12mm (6pcs)	AX30230	Spring 14x54mm 4.95 lbs/in- Super Firm (Blue) (2pcs)
AXA0294	M4x8mm Set Screw (Black) (10pcs)	AX30395	Heavy Duty Bevel Gear Set
AXA0422	M2.6x6mm Hex Socket Tapping Button Head (Black) (12pcs)	AX30401	Heavy Duty Bevel Gear Set - 36T/14T
AXA0424	M2.6x10mm Hex Socket Tapping Button Head (Black) (10pcs)	AX30402	Heavy Duty Bevel Gear Set - 43T/13T
AXA0437	M3x15mm Hex Socket Tapping Button Head (Black) (10pcs)	AX30415	EXO Front Universal Joint Axle Set (2pcs)
AXA0439	M3x20mm Hex Socket Tapping Button Head (Black) (10pcs)	AX30417	EXO Rear Universal Joint Axle Set (2pcs)
AXA0442	M3x35mm Hex Socket Tapping Button Head (Black) (10pcs)	AX30438	10mm Machined Piston - 1.2 (4pcs)
AXA0467	M3x16mm Hex Socket Tapping Flat Head (Black) (10pcs)	AX30709	Universal 5 Bucket Light Bar Set
AXA084	M3x8mm Cap Head (Black Oxide) (10pcs)	AX30722	11T 32P Pinion 3mm Motor Shaft
AXA085	M3x10mm Cap Head (Black Oxide) (10pcs)	AX30723	12T 32P Pinion 3mm Motor Shaft
AXA086	M3x12mm Cap Head (Black Oxide) (10pcs)	AX30724	13T 32P Pinion 3mm Motor Shaft
AXA0128	M3x61mm Hex Socket Button Head Screw Shaft (6pcs)	AX30725	14T 32P Pinion 3mm Motor Shaft
AXA1041	Axial Nylon Locknut M2.5 - Silver (10pcs)	AX30726	15T 32P Pinion 3mm Motor Shaft
AXA1045	M4 Nylon Lock Nut (Black) (10pcs)	AX30727	16T 32P Pinion 3mm Motor Shaft
AXA1052	M3 Thin Nylon Locking Hex Nut (Black) (10pcs)	AX30728	17T 32P Pinion 3mm Motor Shaft
AXA1053	M3 Nylon Locking Hex Nut (BLACK) (10pcs)	AX30803	EXO Front Sway Bar Set (Soft, Medium, Firm)
AXA1059	6mm Body clip (Black) (10pcs)	AX30804	EXO Rear Sway Bar Set (Soft, Medium, Firm)
AXA1069	Axial Washer 2.7x6.7x0.5 - Silver (10pcs)	AX30810	EXO Universal Joint Rebuild Set (Front or Rear)
AXA114	M3x8mm Hex Socket Button Head (Black Oxide) (10pcs)	AX30811	EXO Machined Aluminum Front Toe Block F1 (Hard Anodized)
AXA115	M3x10mm Hex Socket Button Head (Black) (10pcs)	AX30812	EXO Machined Aluminum Front Toe Block F2 (Hard Anodized)
AXA116	M3x12mm Hex Socket Button Head - Black (10pcs)	AX30813	EXO Machined Aluminum Rear Toe Block R1 (Hard Anodized)
AXA1162	O-Ring 5x1mm (10pcs)	AX30814	EXO Machined Aluminum Rear Toe Block R2 (Hard Anodized)
AXA117	M3x15mm Hex Socket Button Head (Black) (10pcs)	AX30815	EXO Machined Aluminum Steering Rack (Hard Anodized)
AXA118	M3x18mm Hex Socket Button Head - Black (10pcs)	AX30816	EXO Machined Aluminum Steering Knuckle Carrier Set (Hard Anodized) (2pcs)
AXA1184	O-Ring 7.5x1.5mm (S8) - (10pcs)	AX30818	EXO Machined Aluminum Rear Hub Set (Hard Anodized) (2pcs)
AXA1202	Axial O-Ring 3.5x2mm (10pcs)	AX30819	EXO Machined Aluminum Steering Knuckle Set (Hard Anodized) (2pcs)
AXA121	M3x30mm Hex Socket Button Head (Black) (10pcs)	AX30824	EXO Machined Aluminum Main Chassis Plate Lightweight (4mm) (Hard Anodized)
AXA1210	Bearing 4x7x2.5mm (2pcs)	AX30825	EXO Machined Aluminum Front Shock Tower (Hard Anodized)
AXA1218	Bearing 5x10x4mm (2pcs)	AX30826	EXO Machined Aluminum Rear Camber Tower (Hard Anodized)
AXA1221	Bearing 5x11x4mm (2pcs)	AX30827	EXO Machined Aluminum Front Chassis Brace and Carbon Mount (Hard Anodized)
AXA1222	Flanged Bearing 6x3x2.5mm (2pcs)	AX30828	EXO Machined Aluminum Rear Chassis Brace and Carbon Mount (Hard Anodized)
AXA1230	Bearing 10x15x4mm (2pcs)	AX30837	11T 32P Pinion 5mm Motor Shaft
AXA1280	M3x10mm Servo Flange Screw (10pcs)	AX30838	12T 32P Pinion 5mm Motor Shaft
AXA1393	E2.5 e-clip (10pcs)	AX30839	13T 32P Pinion 5mm Motor Shaft
AXA146	M3x12mm Hex Socket Flat Head - Black (10pcs)	AX30840	14T 32P Pinion 5mm Motor Shaft
AXA1635	M3x35mm Turnbuckle (2pcs)	AX30841	15T 32P Pinion 5mm Motor Shaft
AXA1640	M3x60mm Turnbuckle (2pcs)	AX30842	16T 32P Pinion 5mm Motor Shaft
AXA1641	M3x65mm Turnbuckle (2pcs)	AX30843	17T 32P Pinion 5mm Motor Shaft
AXA175	Screw Shaft M3x2.5x11mm (10pcs)	AX30861	EXO Machined Aluminum Rear Lower Shock Mount (Hard Anodized) (2pcs)
AXA180	M3x3mm Set Screw (Black Oxide) (10pcs)	AX8078	Axial Hub Cover Set - White (4pcs)
AXA291	M4x4mm Set Screw (Black) (6pcs.)	AX8079	Axial Hub Cover Set - Black (4pcs)
AXA413	M2.6x8mm Hex Socket Tapping Flat Head (Black) (10pcs)	AX8080	Axial Hub Cover Set - Satin Chrome (4pcs)
AXA434	M3x8mm Hex Socket Tapping Button Head (Black) (10pcs)	AX8081	Axial Hub Cover Set - Black Chrome (4pcs)
AXA435	M3x10mm Hex Socket Tapping Button Head (Black) (10pcs)	AXA1105	Cone Washer 3x6.9x2mm - Grey (6pcs)
AXA436	M3x12mm Hex Socket Tapping Button Head (Black) (10pcs)	AXA1331	Flanged Ball 3x5.8x7mm (6pcs)
AXA438	M3x18mm Hex Socket Tapping Button Head (Black) (10pcs)	AXA1412	0.5x6mm Spacer - Grey (6pcs)
AXA440	M3x25mm Hex Socket Tapping Button Head (Black) (10pcs)	AXA1413	1x6mm Spacer - Grey (6pcs)
AXA441	M3x30mm Hex Socket Tapping Button Head (Black) (10pcs)	AXA1414	2x6mm Spacer - Grey (6pcs)
AXA466	M3x12mm Hex Socket Tapping Flat Head (Black) (10pcs)	AXA1415	3x6mm Spacer - Grey (6pcs)
AXA468	M3x18mm Hex Socket Tapping Flat Head (Black) (10pcs)	AXA1416	4x6mm Spacer - Grey (6pcs)

Option Parts

AX08103	2.2 3.0 Raceline Renegade Wheels - 41mm (Chrome/Black) (2pcs)
AX08106	2.2 3.0 Raceline Renegade Wheels - 34mm (Chrome/Black) (2pcs)
AX24204	Axial 2.4Ghz Radio System (2 Channel)
AX24251	Axial NVS - Night Visions System
AX24252	Axial Double LED Light String (White LED)
AX24253	Axial Double LED Light String (Red LED)
AX24254	Axial Double LED Light String (Orange LED)
AX24255	Axial Single LED Light String (White LED)
AX24256	Axial 5 LED Light String (White LED)
AX24257	Simple LED Controller w/LED lights (4 white and 2 Red)
AX30091	67-90mm Shock Set - 10mm Piston (2pcs)
AX30092	Axial 72-103mm Shock Set - 10mm Piston (2pcs)
AX30110	13mm Aluminum Preload Collar (2pcs)
AX30111	Aluminum Shock Cap (2pcs)

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