


AXIAL SCORPION

1 / 10 ROCK CRAWLER RTR



MAXIO SCORPION

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, Personenschäden 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.

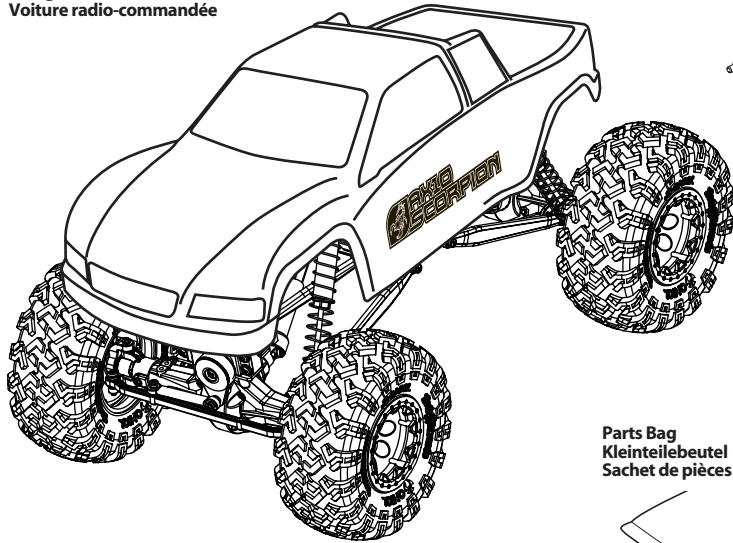
- Vérifier que les vis et les écrous sont bien serrés. Il est très fortement conseillé d'utiliser du frein filet pour bloquer les vis qui sont en contact avec du métal et tout particulièrement les vis du moteur.
- Toujours utiliser des batteries bien chargées pour l'émission et la réception.
- Toujours 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

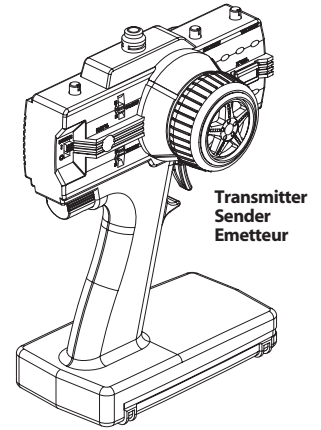
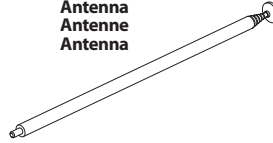
- Le virage du récepteur premier, alors virage de l'émetteur, ceci empêchera des fugitifs.
- Faire attention en contrôlant des piles, ils auront chaud après avoir couru.
- Remplacer n'importe quelles piles qui ont été cabossées ou a éraillé des fils, les court-circuits peuvent causer le feu.
- Etre sûr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

Included items / Im Baukasten enthalten / Outils inclus dans le kit

Radio control car
Ferngesteuertes Modellauto
Voiture radio-commandée

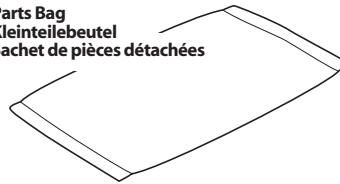


Antenna
Antenne
Antenna

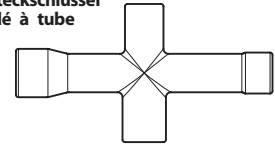


Transmitter
Sender
Emetteur

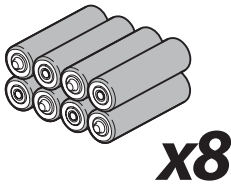
Parts Bag
Kleinteilebeutel
Sachet de pièces détachées



Cross wrench
Steckschlüssel
Clé à tube



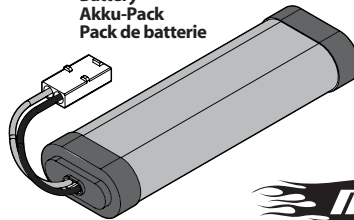
Equipment needed / Benötigtes Zubehör / Equipement nécessaire



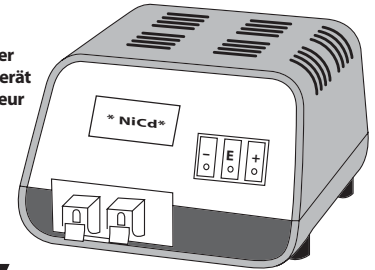
x8

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

Battery
Akku-Pack
Pack de batterie

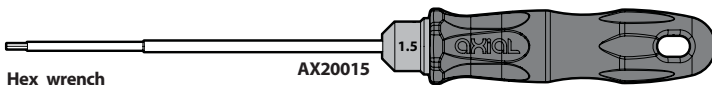


Charger
Ladegerät
Chargeur



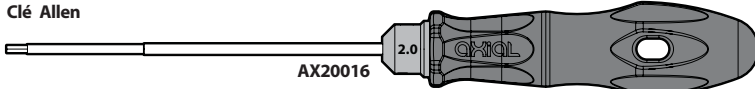
visit www.maxamps.com for a complete
selection of batteries and chargers specifically
for the AX10 Scorpion.

Tools Recommended / Benötigte Werkzeuge / Outillage

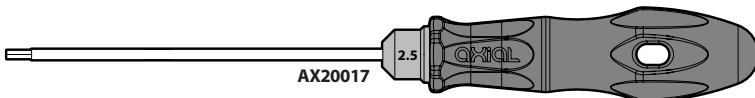


AX20015

Hex wrench
Inbusschlüssel
Clé Allen

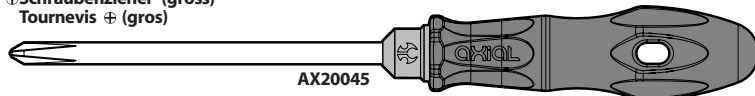


AX20016

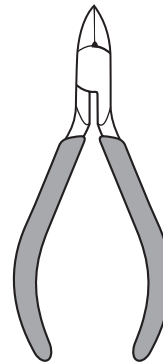


AX20017

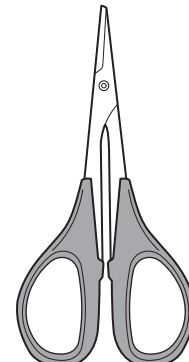
⊕Screwdriver (large)
⊕Schraubenzieher (gross)
Tournevis ⊕ (gros)



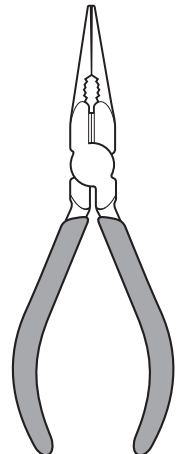
AX20045



Side cutter
Seitenschneider
Pinces coupantes

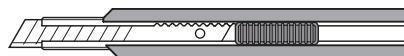


Curved scissors
Schere
Ciseaux

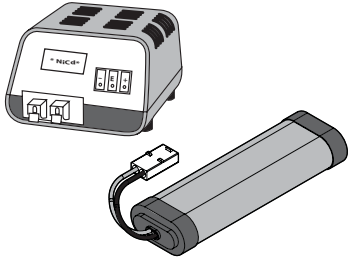


Long nose pliers
Flachzange
Pinces à becs longs

Modeling knife
Modelliermesser
Couteau de modéliste



Charge your battery / Laden des Fahrakkus / Chargement de la batterie



Follow the manufacturer's directions for the charger you purchased to properly charge your batteries.

Folgen Sie den Herstelleranweisungen für den Auflader Ihres gekauft ordentlich, Ihre Batterien zu laden.

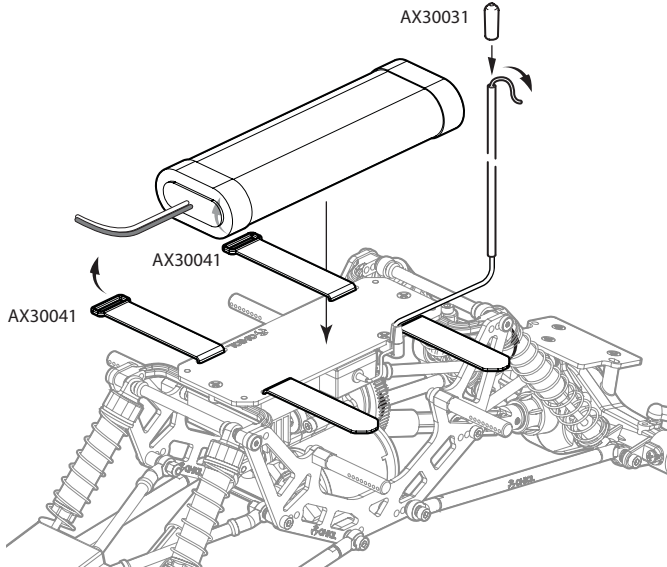
Suivre les directions de fabricants pour le chargeur votre a acheté convenablement pour charger vos piles.

Do not use Nickel Cadmium battery charger for Nickel Metal Hydride batteries. If you do not use the special charger for Nickel Metal Hydride batteries, the batteries will be damaged.

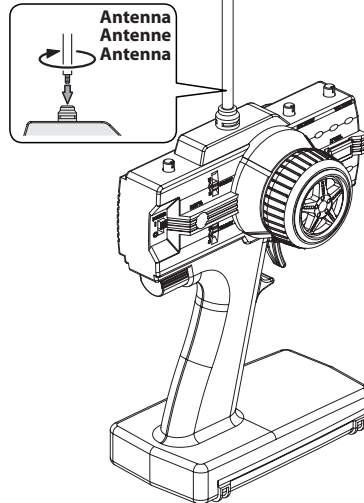
Verwenden Sie kein Ladegerät, dass für Nickel Cadmium Akkus gedacht ist, um Nickel Metal Hydrid Akkus zu laden. Wenn Sie kein spezielles Ladegerät für Nickel Metal Hydrid Akkus verwenden, können diese beschädigt werden.

N'utilisez pas de chargeur pour batteries Cadmium-Nickel pour charger des batteries Nickel-Métal Hydride. Si vous n'utilisez pas un chargeur spécial pour des batteries Nickel-Métal Hydride, celles-ci seront endommagées.

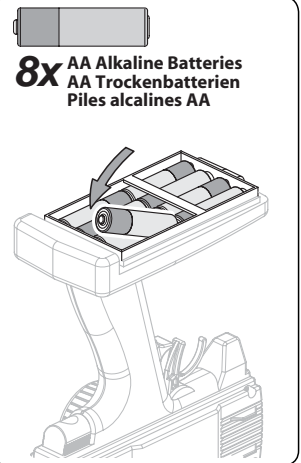
Charge your battery / Laden des Fahrakkus / Chargement de la batterie



Transmitter Preparation / Vorbereitung des Senders / Préparation de L'émetteur



Antenna
Antenne
Antenna



8x AA Alkaline Batteries
AA Trockenbatterien
Piles alcalines AA

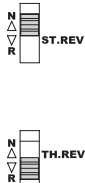
Transmitter Preparation / Vorbereitung des Senders / Préparation de L'émetteur

Steering Dual Rate
Lenkeinschlagsbegrenzung
Double débit de direction



To be used to adjust steering servo throw.
Zum Einstellen des maximalen Lenkeinschlags.
À utiliser pour le réglage du taux et de l'angle du servo.

Reverse Switch
Servowegschalter
Commutateur d'inversion



You may have to reverse the steering or throttle switch. Check to make sure you have proper steering and throttle before running your new kit for the first time.

Sie dürfen die Steuerung oder den Drosselklappenschalter umkehren müssen. Kontrolle sich zu vergewissern, dass Sie passende Steuerung und Drosselklappe vor Laufen Ihres neuen Satzes zum erstem Mal haben.

Vous pouvez avoir à renverser la direction ou étranglez le commutateur. Le contrôle pour s'assurer que vous avez la direction correcte et étranglez avant de courir votre nouvelle trousse pour la première fois.

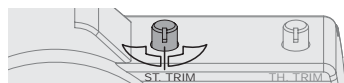


Throttle Trim
Gas-Trimung
Trim d'accélération

If your vehicle is moving, adjust the throttle trim until it stops

Falls sich das Auto bewegt, bitte stellen Sie die Gas-Trimmung so ein, um das Auto Zum Stillstand zu bringen.

Si la voiture, ajustez le trim de direction pour que la voiture arrête de bouger.

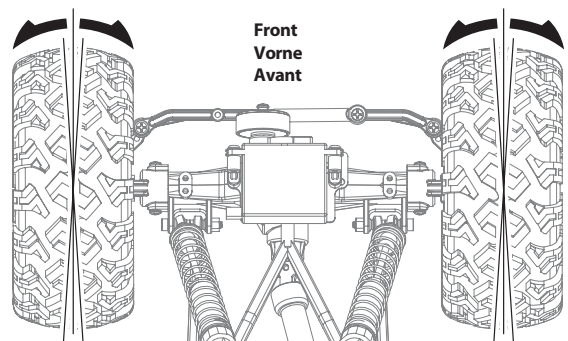


Steering Trim
Lenkungstrimmung
Trim de direction

Turn steering trim to set tires completely in center position.

Stellen Sie die Trimmung so ein, dass die Räder geradeaus zeigen.

Tournez le trim de direction de façon à ce que les pneus soient dans une position complètement centrée.



Front
Vorne
Avant

Trouble Shooting / Fehlerbehebung / Dépannage

Problem
Problem
Problème

Cause
Grund
Cause

Remedy
Lösung
Remède

Does not move
Das Auto fährt nicht
Le véhicule ne bouge pas

Batteries are not installed properly in the transmitter.
Die Batterien sitzen nicht korrekt im Sender.
Les piles ne sont pas placées correctement dans l'émetteur.

Weak or no battery in model.
Leerer oder kein Akku im Auto.
Batterie faible ou non installée

Damaged motor.
Kaputter Motor.
Moteur endommagé

Frayed or broken wiring.
Beschädigte Verkabelung.
Câble dénudé ou coupe

ESC is shut down by heat protection circuit.
Notabschaltung des Reglers wegen Überhitzung.
Le système ESC est fermé par le circuit de protection thermique.

Make sure batteries are properly installed.
Legen Sie die Batterien korrekt ein.
Positionnez correctement les piles dans l'émetteur.

Install charged battery.
Einbauen eines geladenen Akkus.
Mettez en place une batterie chargée

Replace with new motor.
Austausch durch einen neuen Motor.
Remplacez par un nouveau moteur

Splice and insulate wiring completely.
Erneuern und isolieren Sie die kaputte Stelle.
Faites une épissure et isolez complètement le câble.

Stop driving immediately, do not drive the car until the Speed Controller cools down.
Fahren Sie nicht weiter. Warten Sie bis der Fahrten regler abgekühlt ist.
Arrêtez immédiatement de conduire, ne pilotez pas la voiture tant que le contrôleur de vitesse n'a pas refroidi.

No Control.
Keine Kontrolle über das Auto
Pas de contrôle

Improper antenna on transmitter or model.
Zu kurze Antenne am Sender oder Auto.
Antenne inadéquate sur l'émetteur ou le véhicule

Weak or no batteries in transmitter or model.
Leere oder keine Batterien im Sender oder Auto.
Batterie faible ou absente dans l'émetteur ou le véhicule.

Another radio control model using same frequency.
Ein anderes ferngesteuertes Modell verwendet die gleiche Frequenz.
Un autre véhicule radio-commandé utilise la même fréquence.

Neutral position or trim is incorrect.
Neutralposition oder Trimmung sind verstellt.
La position neutre est incorrecte ou le trim n'est pas réglé.

Are the connectors and crystal inserted properly?
Sitzen alle Stecker und der Quarz richtig?
Est-ce que les connecteurs et le quartz sont correctement mis en place ?

Install charged or fresh batteries.
Einbauen voller Batterien.
Mettez des batteries rechargées ou neuves.

Fully extend antenna.
Ziehen Sie die Antenne vollständig aus.
Dépliez complètement l'antenne.

Try a different location or wait for the other person to finish.
Fahren Sie auf einem anderen Platz oder warten Sie, bis das andere Modell ausgeschaltet ist.
Allez ailleurs ou attendez que l'autre personne ait terminé.

Adjust the steering trim.
Stellen Sie die Lenkungstrimmung neu ein.
Réglez le trim de direction.

Reinstall connectors and crystal into the receiver.
Überprüfen Sie die Steckverbindungen und den Quarz.
Remettez en place les connecteurs et le quartz dans le récepteur.

Steering and Throttle Function Reversed.
Lenkung und Gas funktionieren genau verkehrt herum.
Direction et accélération inverses.

Servo reverse switch is in wrong position.
Servorichtungs-Schalter ist in der falschen Position.
L'interrupteur de marche arrière du servo est dans la mauvaise position

Please check that the wires from ESC to motor are connected properly.
Bitte überprüfen Sie, ob die Kabel vom Regler zum Motor richtig sitzen.
Veillez vérifier que les fils allant de l'ESC au moteur sont correctement raccordés.

Set to correct position.
Satz, Position zu korrigieren
Vérifiez la position correcte

Check to make sure motor and ESC are properly connected.
Kontrolle sich zu vergewissern, dass Motor und ESC ordentlich verbunden sind.
Le contrôle pour assurer que le moteur et ESC est convenablement connecté.

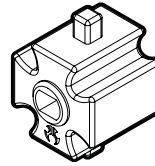
Upgrades / Steigungen / Montées

Rock Crawling / Schaukeln Sie Kriechen / Balancer Ramper

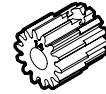
To upgrade your RTR to a more capable rock crawler we recommend replacing the front diff gears with a heavy duty locker and changing the gearing to a 14T pinion.

Um Ihr RTR zu einem fähigeren Felsenkriecher wir zu verbessern, empfehlen wir, dass das Ersetzen von den vorderen diff Gängen mit einem schweren Pflichtschließfach und Änderung das Einstellen zu einem 14T Treibrad.

Pour améliorer votre RTR à une tortue de rocher plus capable que nous recommandons remplaçant les engrenages de différence de devant avec un casier très résistant et changeant l'adapte à un 14T pignon.



AX30500

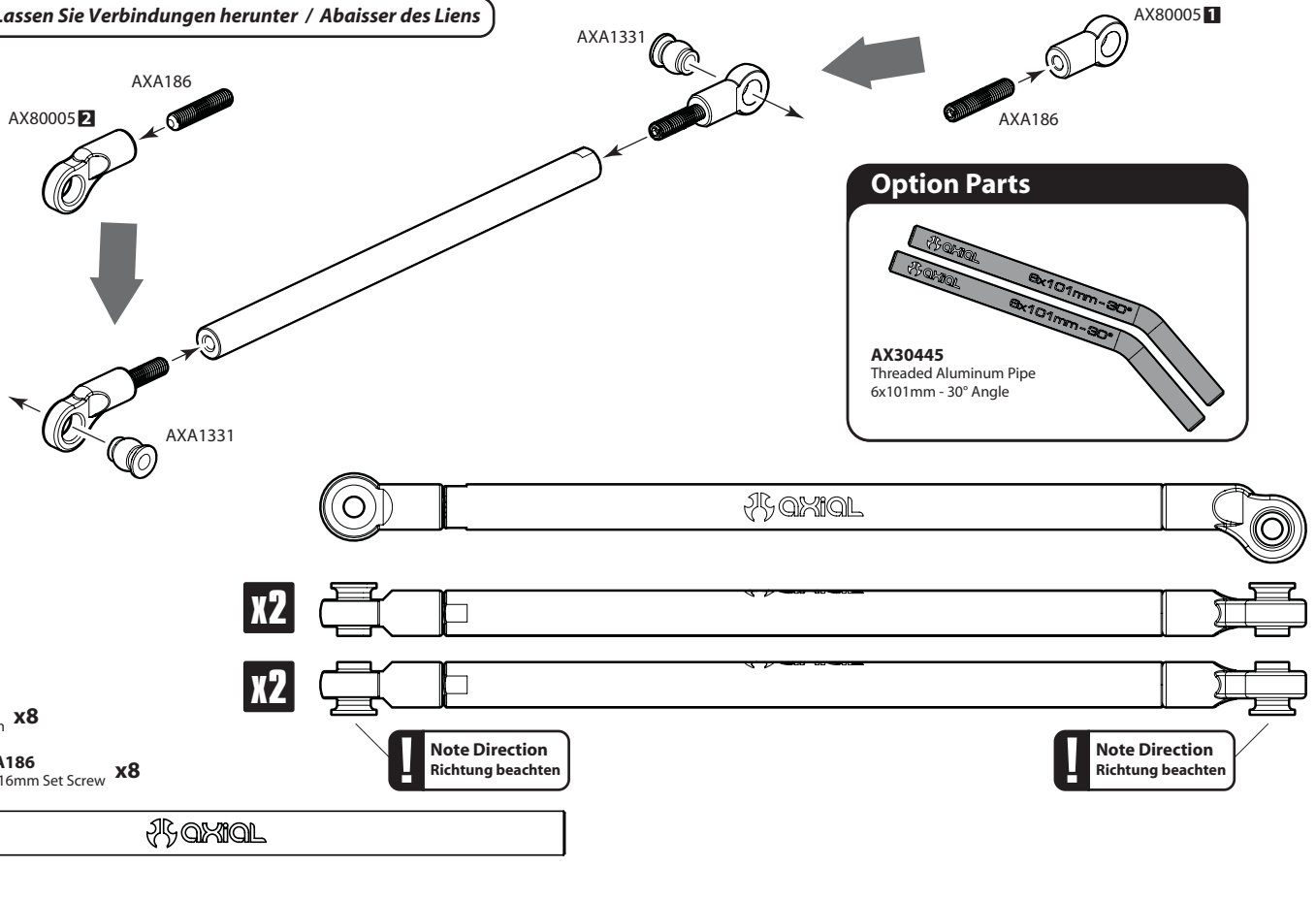


AX30572

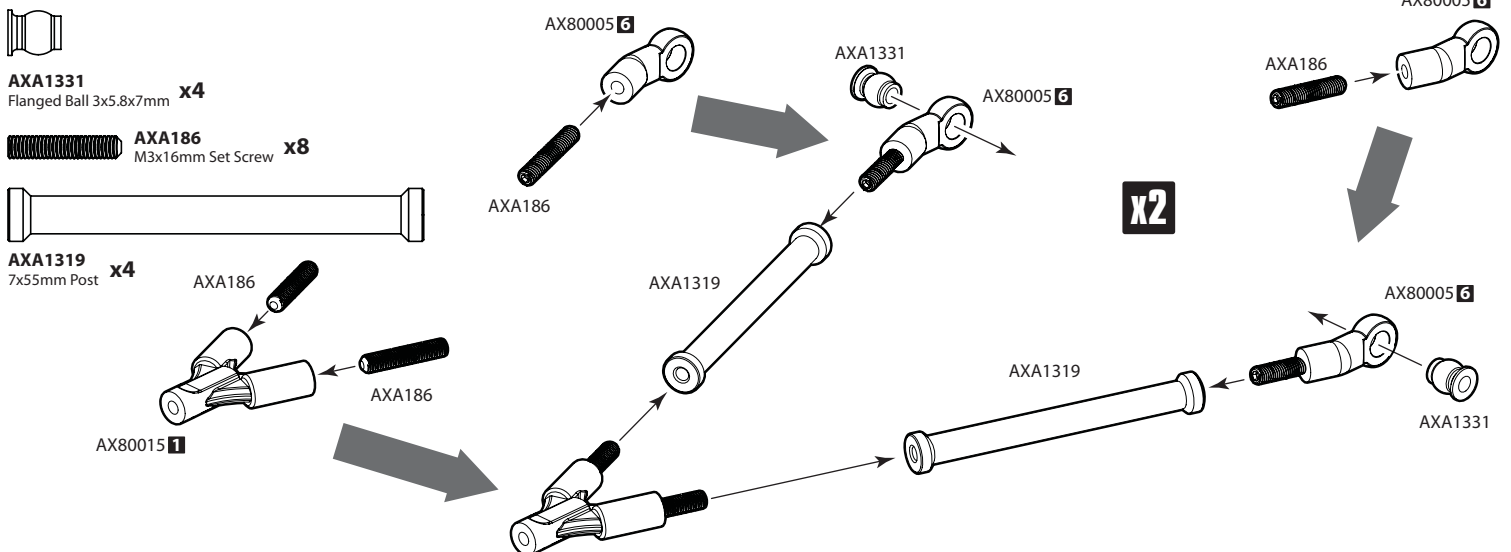
See page 9 and page 24 for installation instructions.

Visit www.rccrawler.com for More Tips!

Lower Links / Lassen Sie Verbindungen herunter / Abaisser des Liens



Upper Links / Obere Verbindungen / Liens supérieurs



Upgrades / Steigungen / Montées

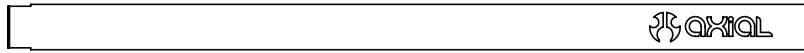
Steering Links / Steuerung Verknüpf / La direction Relie

AXA186
M3x16mm Set Screw **x4**

AXA1331
Flanged Ball 3x5.8x7mm **x4**



AX30442
6x33mm **x1**



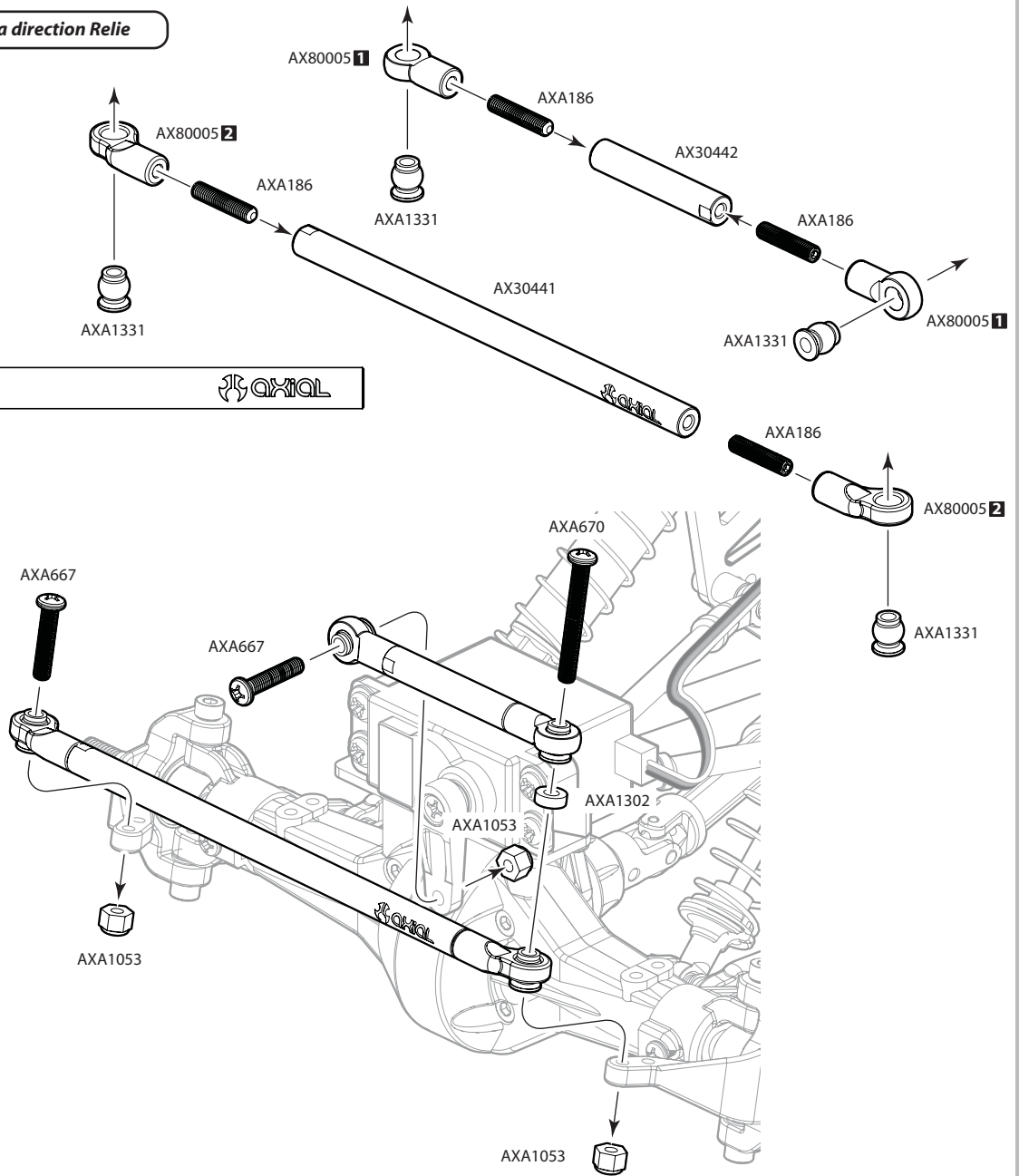
AX30441
6x106mm **x1**

AXA667
M3x15mm **x2**

AXA670
M3x25mm **x1**

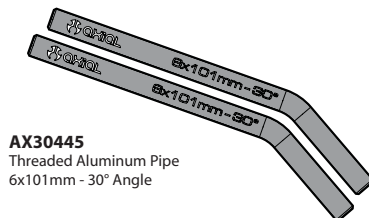
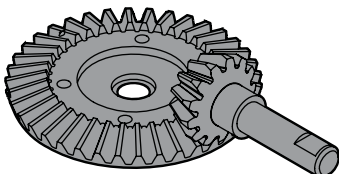
AXA1053
M3 Nylon Locking Hex Nut **x3**

AXA1302
2x6mm Spacer **x1**



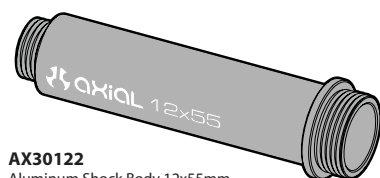
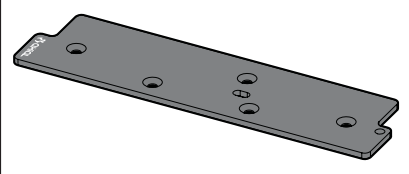
Option Parts

AX30395
Heavy Duty Bevel Gear Set

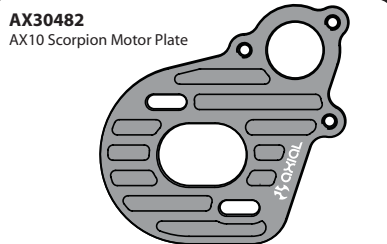


AX30445
Threaded Aluminum Pipe
6x101mm - 30° Angle

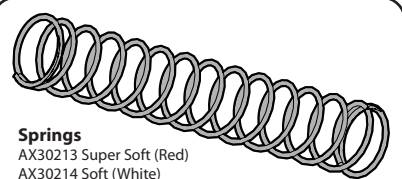
AX30486
AX10 Scorpion Battery/Servo Plate



AX30122
Aluminum Shock Body 12x55mm



AX30482
AX10 Scorpion Motor Plate



Springs
AX30213 Super Soft (Red)
AX30214 Soft (White)
AX30215 Medium (Green)
AX30216 Firm (Yellow)
AX30217 Super Firm (Blue)

Batteries / Batterien / Piles

Optional Battery Mounting

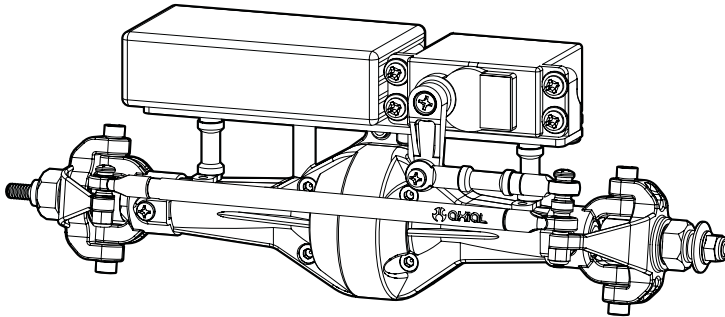
The standard 7.2V stick pack can be mounted on the battery/radio tray as shown in the instructions. However this is not the most ideal mounting place for competitive rock crawling since it places most of the weight higher in the chassis. You can also use smaller packs (LiPo, Lithium Ion, receiver packs, etc.) that offer a much lower weight. Ideally you want the bulk of the weight to be over the front axle. If you plan on competing or simply want to improve the performance of your AX10 Scorpion it is recommended to relocate your batteries over the front axle. You can mount the battery pack on top of the steering servo using Velcro, plastic zip ties, or strapping tape. You can also mount the battery pack using the optional AX10 Scorpion Battery/Servo Plate (AX30486) as shown.

Optionale Akkubefestigung

Der normale 7,2V Stick Pack kann wie beschrieben auf die Elektronik Grundplatte montiert werden. Diese Position ist nicht der idealste Ort, da das Gewicht höher als das Chassis ist. Sie können auch kleinere Packs verwenden (LiPo, Lithium Ion, Empfängerpacks...) die leichter sind. Im Idealfall kommt das Gewicht über die Vorderachse. Wenn Sie ein Rennen mitfahren, oder die Leistung Ihres Wagens optimieren wollen wird empfohlen, die Akkus über die Vorderachse zu montieren. Sie können den Akkupack auf dem Lenkservo mit Klettverschluss, Kabelbinder oder Klebeband montieren. Sie können auch den Akku mit dem Option Part AX30486 nach Bedarf montieren.

Monter facultatif de Pile

Le standard 7,2V tas de baton peut être monté sur le plateau de pile/radio selon les instructions. Cependant ceci n'est pas l'endroit montant le plus idéal pour ramper de rocher compétitif puisque il place la plupart du poids plus haut dans le châssis. Vous pouvez utiliser aussi de plus petits tas (LiPo, l'ion de Lithium, les tas de récepteur, etc.) cela offre un abaisse beaucoup le poids. Idéalement vous voulez que la masse du poids pour ait été par-dessus l'essieu avant. Si vous planifiez sur concourir ou simplement le besoin pour améliorer l'exécution de votre AX10 Scorpion qu'il est recommandé reloger vos piles par-dessus l'essieu avant. Vous pouvez monter le tas de pile sur la direction le Velcro d'utilisation servo, la fermeture éclair en plastique lie, ou sangler la bande. Vous pouvez monter aussi le tas de pile utilisant le facultatif AX10 Scorpion Plaque Pile/Servo (AX30486) comme indiqué.



visit www.maxamps.com for a complete selection of batteries and chargers specifically for the AX10 Scorpion.

Wheels - Tires / Räder - Ermüdet / Les roues - Fatigue

The AX10 Scorpion is set up to be competitive right out of the box, however terrain, weather and driving style all affect the performance of the chassis. You can fine tune performance of your AX10 Scorpion by adding weight, trimming the inner foam, and tuning your tires.

Der AX10 Skorpion ist konstruiert, um aus der Schachtel konkurrenzfähig zu sein, jedoch beeinflussen Gelände, Wetter und Fahrstil die Leistung vom Chassis. Sie können die Leistung Ihres AX10 Skorpion durch hinzufügen von Gewichten, Trimmen der Reifeneinlage und der Reifenabstimmung einstellen.

Le AX10 Scorpion s'est établi pour être la droite compétitif de la boîte, cependant le terrain, le temps et la conduite conçoivent tout affecte l'exécution du châssis. Vous pouvez condamner à une amende l'exécution d'air de votre AX10 Scorpion en ajoutant le poids, taillant la mousse intérieure, et l'accordement de vos pneus.

Adding Weight / Addiergewicht / Poids ajoutant

You can add weight to the front axle to improve traction. Most users will use stick on wheel weights that fit inside the tire and mount to the wheel, but you can also use Airsoft pellets or BB's. You will have to experiment to determine how much weight to add.

Sie können an der Vorderachse Gewicht hinzufügen um die Traktion zu verbessern. Die meisten Fahrer verwenden aufsteckbare Rädergewichte die innerhalb des Reifens montiert werden, Sie können aber auch Airsoft Kugeln oder BB's verwenden. Sie werden experimentieren müssen, um zu bestimmen, wieviel Gewicht Sie hinzufügen müssen.

Vous pouvez ajouter le poids à l'essieu avant pour améliorer la traction. La plupart des utilisateurs utiliseront le baton sur les poids de roue qui capable dans le pneu et le mont à la roue, mais vous pouvez utiliser aussi les boulettes de Airsoft ou BB. Vous aurez à expérimenter pour déterminer combien de peser pour ajouter.



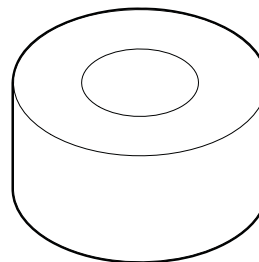
Tire Flex / Reifen Flex / Le pneu Fléchet

You can adjust the amount of tire flex you get by trimming your inner foam. Visit www.rccrawler.com to see all the choices you have before trimming your inner foams.

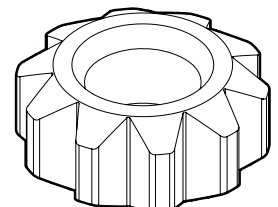
Sie können die Eigenschaften des Reifens durch trimmen der Reifeneinlage ändern. Besuchen Sie www.rccrawler.com, um Möglichkeiten für diese Änderung zu sehen, bevor Sie die Einlage bearbeiten.

Vous pouvez ajuster la quantité de pneu fléchet vous obtient en taillant votre mousse intérieure. [www.rcrawler.com](http://www.rccrawler.com) de visite pour voir tous les choix que vous avez avant de tailler vos mousses intérieures.

Standard



Trimmed




Shock Absorbers / Dämpfer / Amortisseurs


Proper building, maintenance, and tuning of your shocks will enhance the performance of your AX10 Scorpion. Be sure to inspect the shocks regularly for any sign of wear or damage and replace parts as needed. Tune your shocks to enhance the performance of your AX10 Scorpion using the tips provided below.

Ordnungsgemäßer Zusammenbau, Wartung und Abstimmung der Dämpfer wird die Leistung Ihres AX10 Scorpion erhöhen. Prüfen Sie unbedingt regelmäßig die Dämpfer auf Verschleiß und ersetzen Sie die nötigen Teile. Stimmen Sie Ihre Dämpfer ab wie untenstehend beschrieben, um die Leistung des Wagens zu erhöhen.

Le bâtiment correct, l'entretien, et accordant de vos chocs améliorera l'exécution de votre AX10 Scorpion. Etre sûr d'inspecter le regularly de chocs pour n'importe quel signe d'usure ou damage et remplace des parties comme nécessaire. Accorder vos chocs pour améliorer l'exécution de votre AX10 Scorpion utilisant les pointes fournies au dessous.



Shock Oil / Dämpferöl / Huile pour amortisseur	
Thinner / Dünner / Plus fluide	Thicker / Dicker / Plus visqueuse
Softer damping More traction Quicker weight transfer Weichere Dämpfung Mehr Griff Schnellere gewichtsverlagerung Amortissement plus doux Plus d'adhérence Transfert de masses du châssis plus rapide	Stiffer damping Slower chassis weight transfer Reacts slower to input Härtere Dämpfung Langsamere Gewichtsverlagerung Auto reagiert langsamer auf Steuerbefehle Amortissement plus rigide Transfert de masses du châssis plus lente La voiture répond plus lentement aux commandes



Shock Spring / Dämpferfeder / Ressort d'amortisseur	
Softer / Weicher / Plus souple More Chassis Roll Mehr rollbewegung des chassis Plus de roulis du châssis	AX30213 Super Soft (Red) AX30214 Soft (White) AX30215 Medium (Green) AX30216 Firm (Yellow) AX30217 Super Firm (Blue)
Less Chassis Roll Weniger rollbewegung des chassis Moins de roulis du châssis Thicker / Dicker / Plus visqueuse	

Gear Ratio / Getriebeübersetzung / Rapports De Démultiplication

Use this equation to calculate the final drive ratio.
Final Drive Gear Ratio = 1 / ((pinion/Spur) X .13)

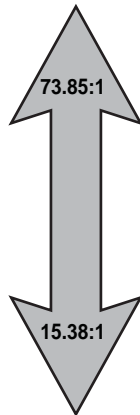
Mit dieser Gleichung können Sie die Gesamtübersetzung berechnen.

Gesamtübersetzung = 1 / ((pinion/Spur) X .13)

Utilisez cette equation pour calculer le rapport de transmission final

Rapport de transmission final = 1 / ((pinion/Spur) X .13)

Slower - More Torque
Langsamer - Mehr Kraft



Faster - Less Torque
Schneller - Weniger Kraft

		48 Pitch									
		Spur									
		70	72	75	78	81	85	87	90	93	96
Pinion	10								69.23	71.54	73.85
	11								62.94	65.03	67.13
	12							55.77	57.69	59.62	61.54
	13							51.48	53.25	55.03	56.80
	14						46.70	47.80	49.45	51.10	52.75
	15						43.59	44.62	46.15	47.69	49.23
	16						40.87	44.62	43.27	44.71	46.15
	17						36.32	39.37	40.72	42.08	43.44
	18					34.62	34.41	37.18	38.46	39.74	41.03
	19					32.79	34.41	35.22	36.44	37.65	38.87
	20					31.15	32.69	33.46	34.62	35.77	36.92
	21				28.57	29.67	31.14	31.87	32.97	34.07	35.16
	22				27.27	28.32	29.72	30.42	31.47	32.52	33.57
	23				26.09	27.09	28.43	29.10	30.10	31.10	32.11
	24			24.04	25.00	25.96	27.24	27.88	28.85	29.81	30.77
	25			23.08	24.00	24.92	26.15	26.77	27.69	28.62	29.54
26			22.19	23.08	23.96	25.15	25.74	26.63	27.51	28.40	
27		20.51	21.37	22.22	23.08	24.22	24.79	25.64	26.50	27.35	
28		19.78	20.60	21.43	22.25	23.35	23.90	24.73	25.55	26.37	
29	18.57	19.10	19.89	20.69	21.49	22.55	23.08	23.87	24.67	25.46	
30	17.95	18.46	19.23	20.00	20.77	21.79	22.31	23.08	23.85	24.62	
31	17.37	17.87	18.61	19.35	20.10	21.09	21.59	22.33	23.08	23.82	
32	16.83	17.31	18.03	18.75	19.47	20.43	20.91	21.63	22.36	23.08	
33	16.32	16.78	17.48	18.18	18.88	19.81	20.28	20.98	21.68	22.38	
34	15.84	16.29	16.97	17.65	18.33	19.23	19.68	20.36	21.04	21.72	
35	15.38	15.82	16.48	17.14	17.80	18.68	19.12	19.78	20.44	21.10	



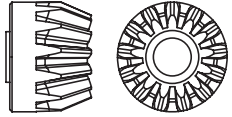
AX30405
Input Shaft 5x28mm **x1**



AX30163
Pin 2x10mm **x1**

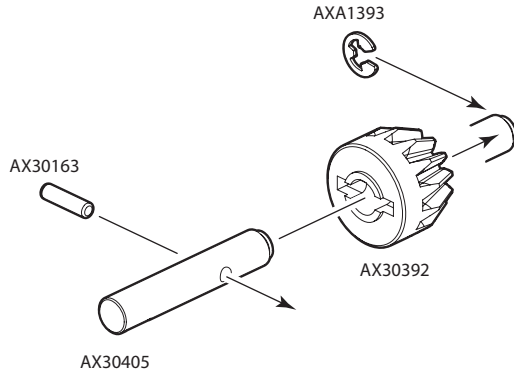


AXA1393
E2.5 e-clip **x1**



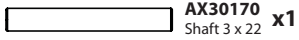
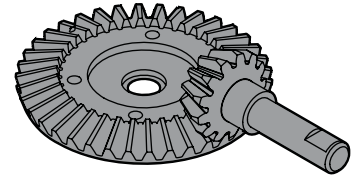
AX30392
13T Bevel Gear **x1**

1

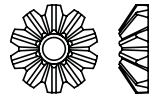


Option Parts

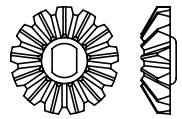
AX30395
Heavy Duty Bevel Gear Set



AX30170
Shaft 3 x 22 **x1**



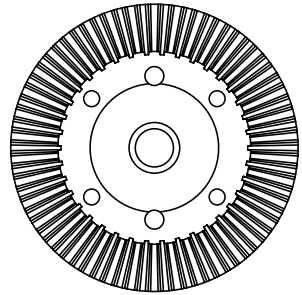
AX30390
10T Bevel Gear **x2**



AX30390
13T Bevel Gear **x2**



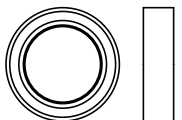
AXA1162
O-Ring 5x1mm **x2**



AX30392
38T Bevel Gear **x1**



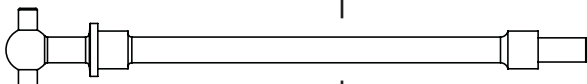
AXA015
M2x10mm **x4**



AXA1230
Bearing 10x15x4mm **x2**

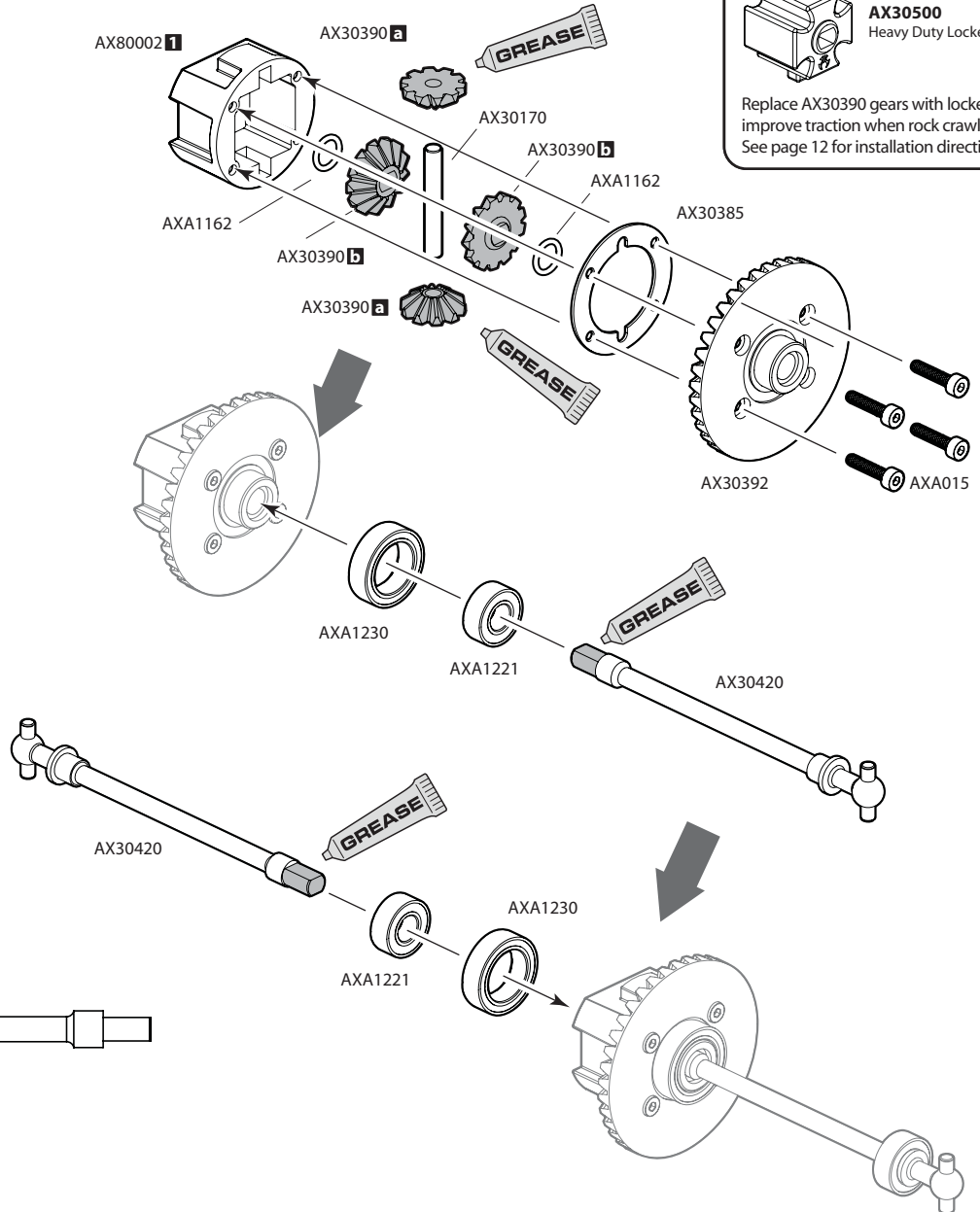


AXA1221
Bearing 5x11x4mm **x2**

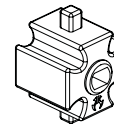


AX30420
Solid Axle Dogbone 6x74mm **x2**

2

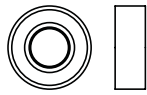


Tip



AX30500
Heavy Duty Locker

Replace AX30390 gears with locker to improve traction when rock crawling. See page 12 for installation directions.



AXA1221
Bearing 5x11x4mm **x2**

AXA085
M3x10mm **x2**

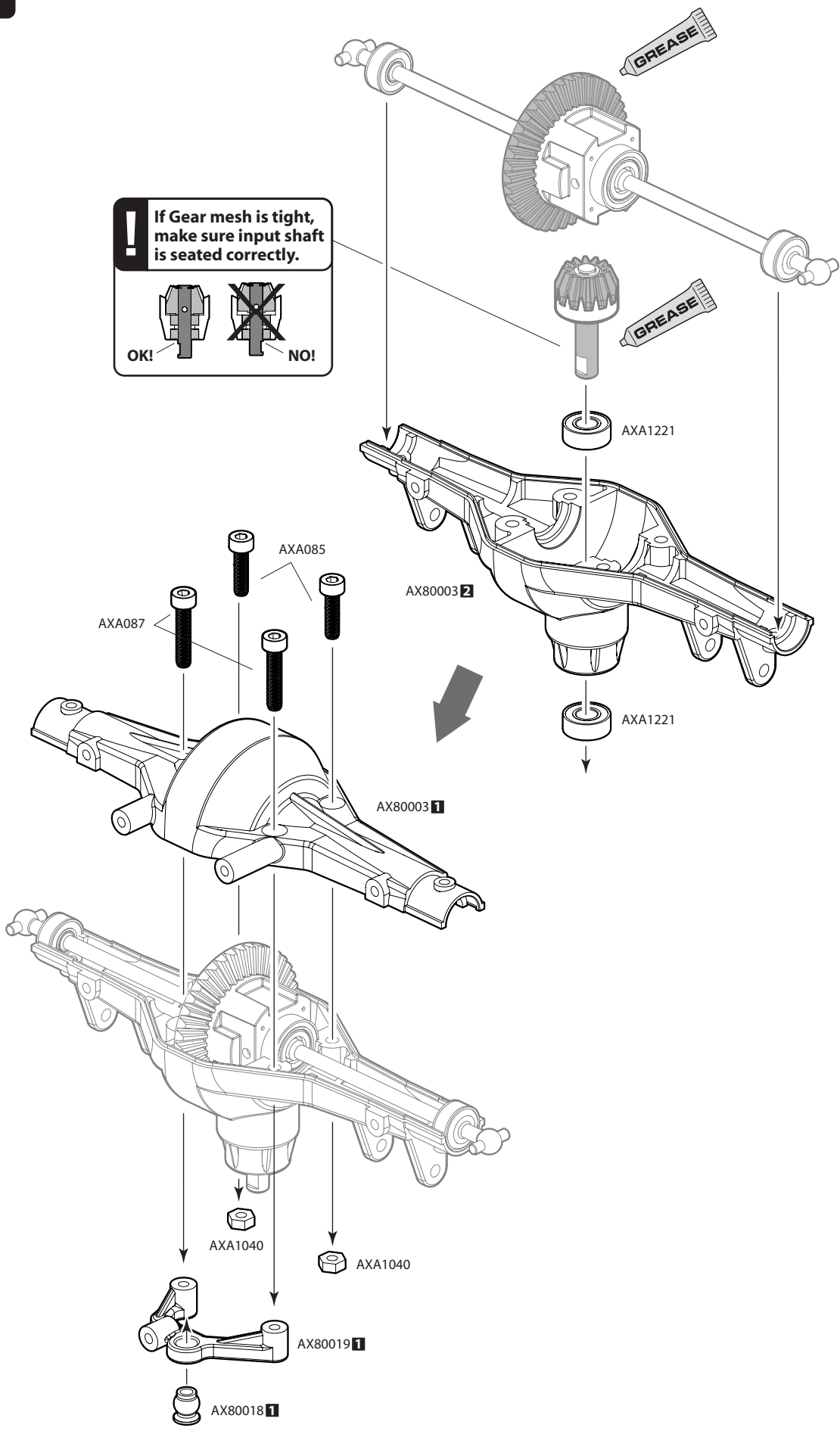


AXA087
M3x16mm **x2**

AXA1040
M3 Thin Hex Nut **x2**

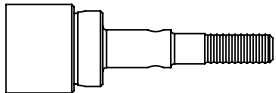
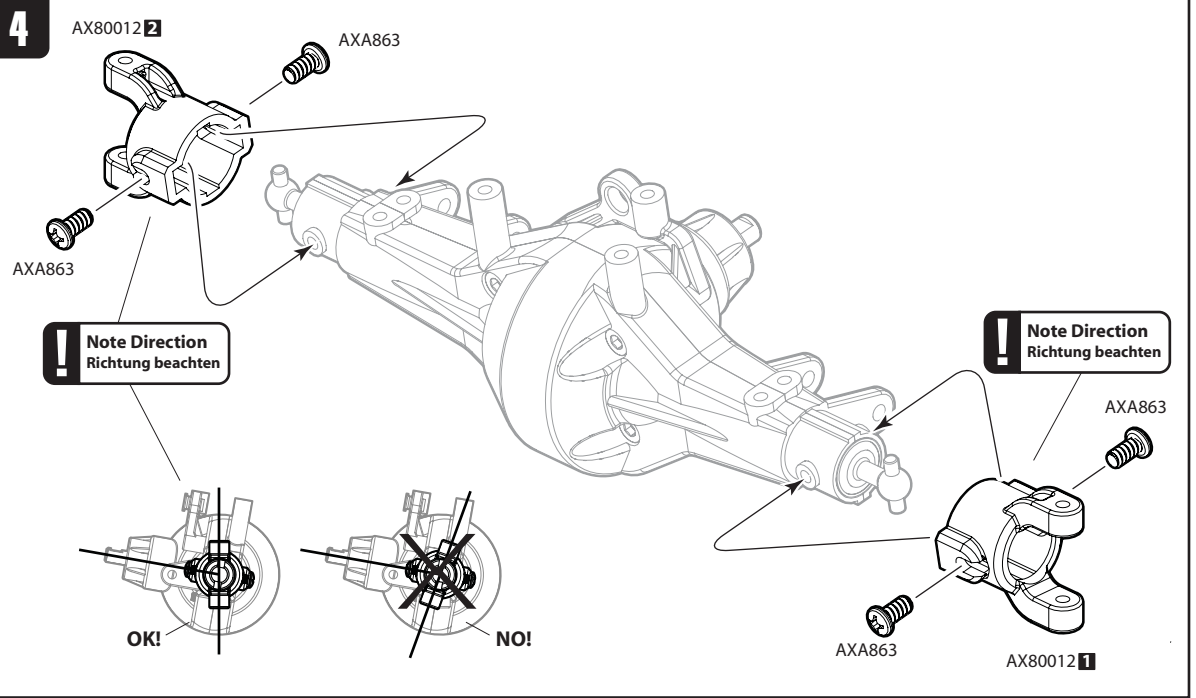
! If Gear mesh is tight, make sure input shaft is seated correctly.

OK! **NO!**

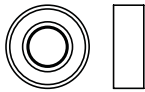




AXA863
M3x6mm Tapping Binder Head **x4**



AX30366
Axle 5x35mm **x2**



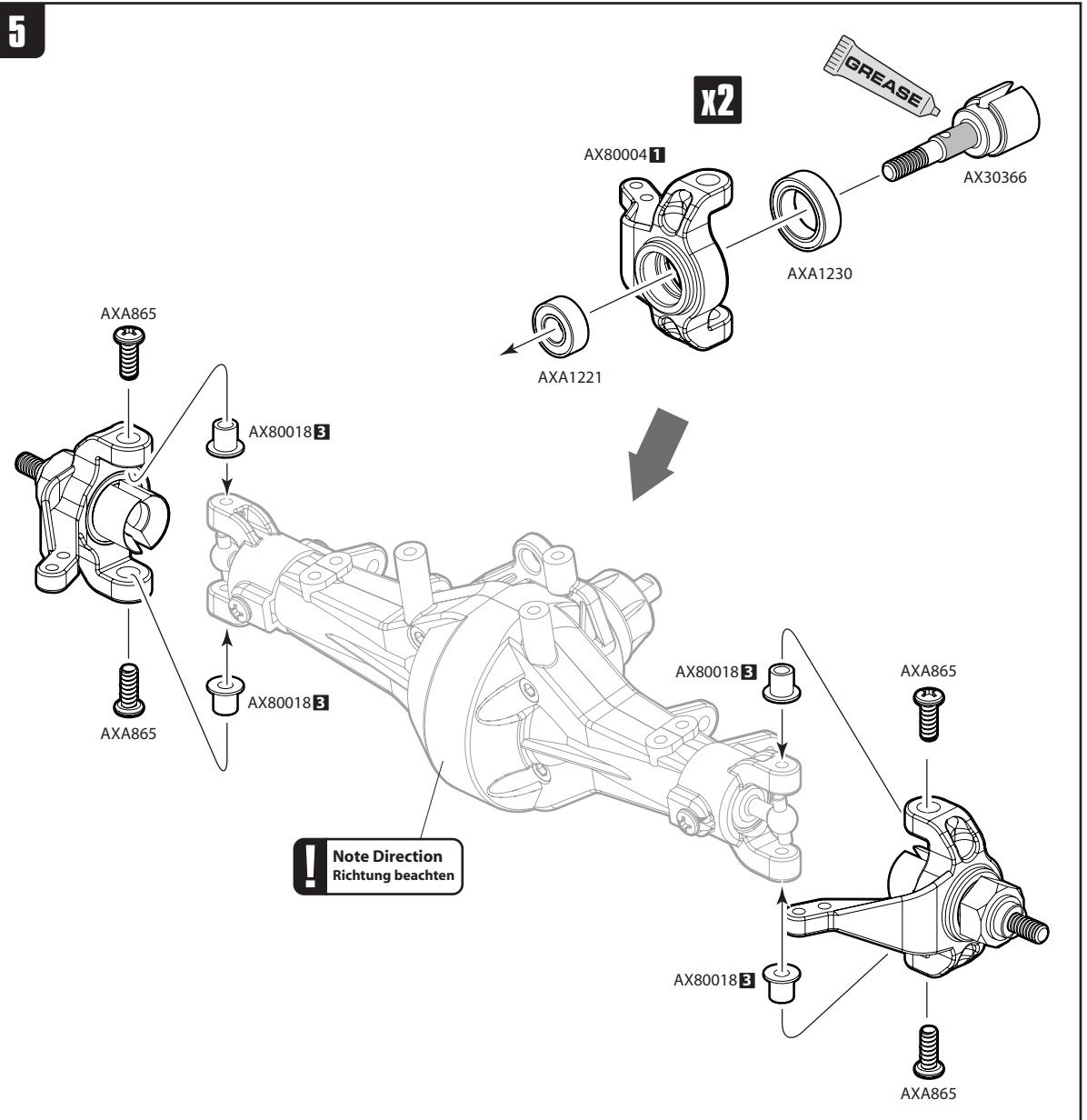
AXA1221
Bearing 5x11x4mm **x2**

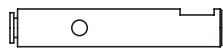


AXA1230
Bearing 10x15x4mm **x2**



AXA865
M3x10mm Tapping Binder Head **x4**





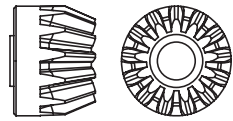
AX30405
Input Shaft 5x28mm **x1**



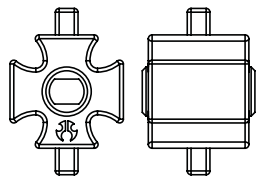
AX30163
Pin 2x10mm **x1**



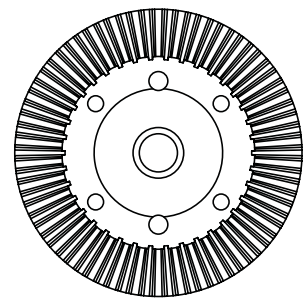
AXA1393
E2.5 e-clip **x1**



AX30392
13T Bevel Gear **x1**



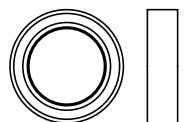
AX30500
Heavy Duty Locker **x1**



AX30392
38T Bevel Gear **x1**



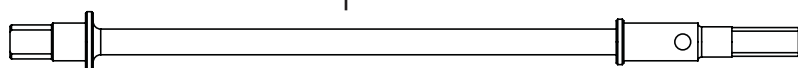
AXA015
M2x10mm **x4**



AXA1230
Bearing 10x15x4mm **x2**

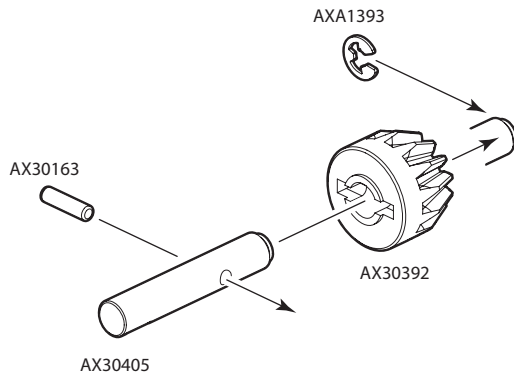


AXA1221
Bearing 5x11x4mm **x2**



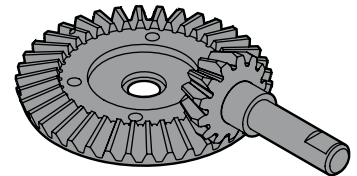
AX30421
Solid Axle Dogbone 6x104.5mm **x2**

6

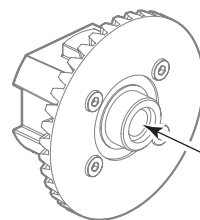
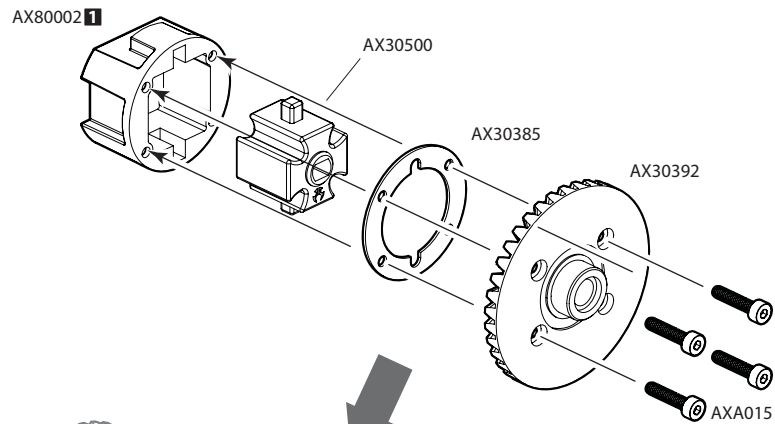


Option Parts

AX30395
Heavy Duty Bevel Gear Set



7



AXA1230



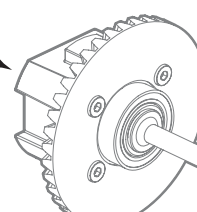
AX30421

AXA1221

AX30421

AXA1230

AXA1221





AXA1221
Bearing 5x11x4mm **x2**

AXA085
M3x10mm **x2**



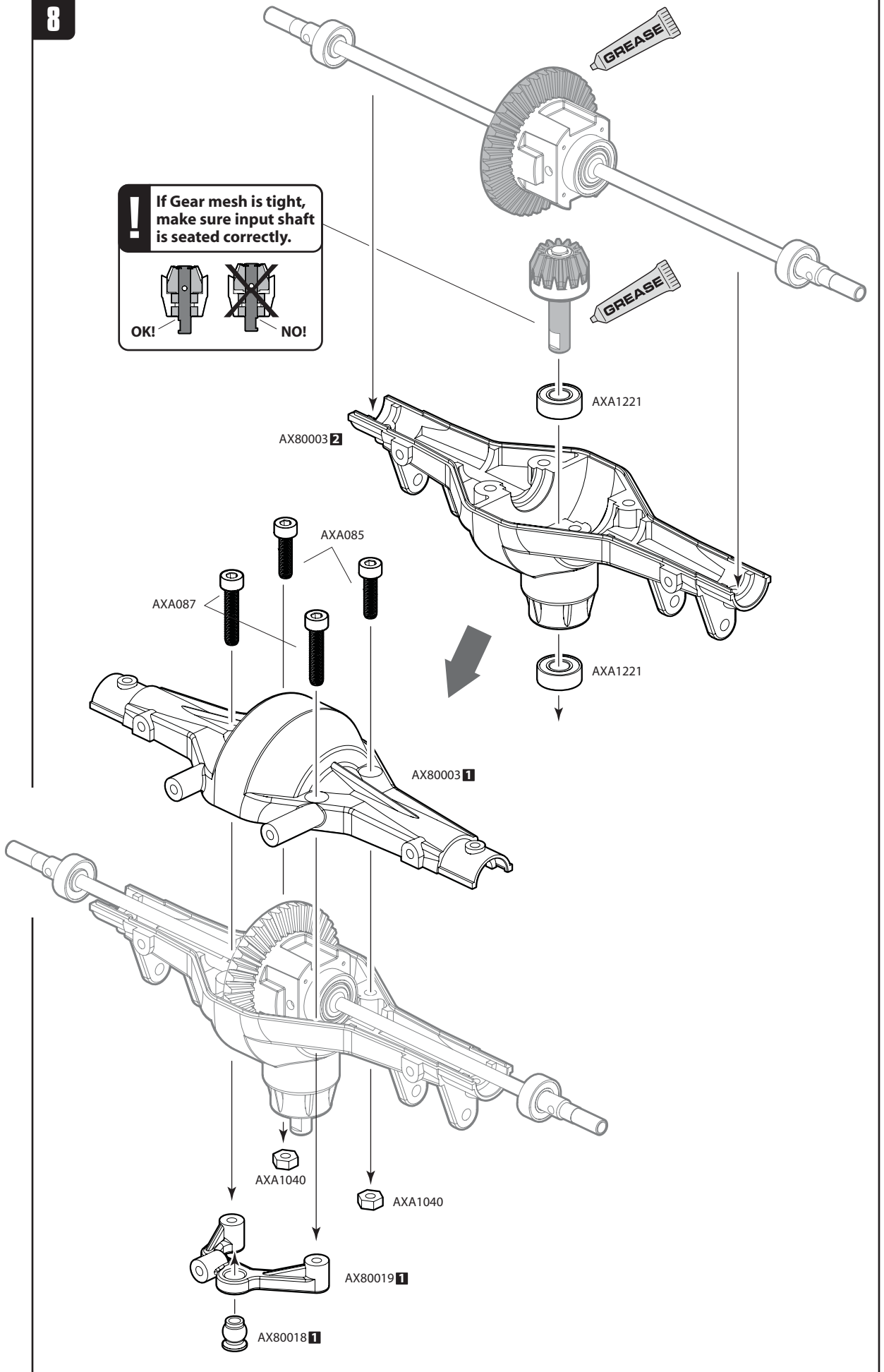
AXA087
M3x16mm **x2**

AXA1040
M3 Thin Hex Nut **x2**

8

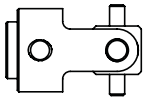
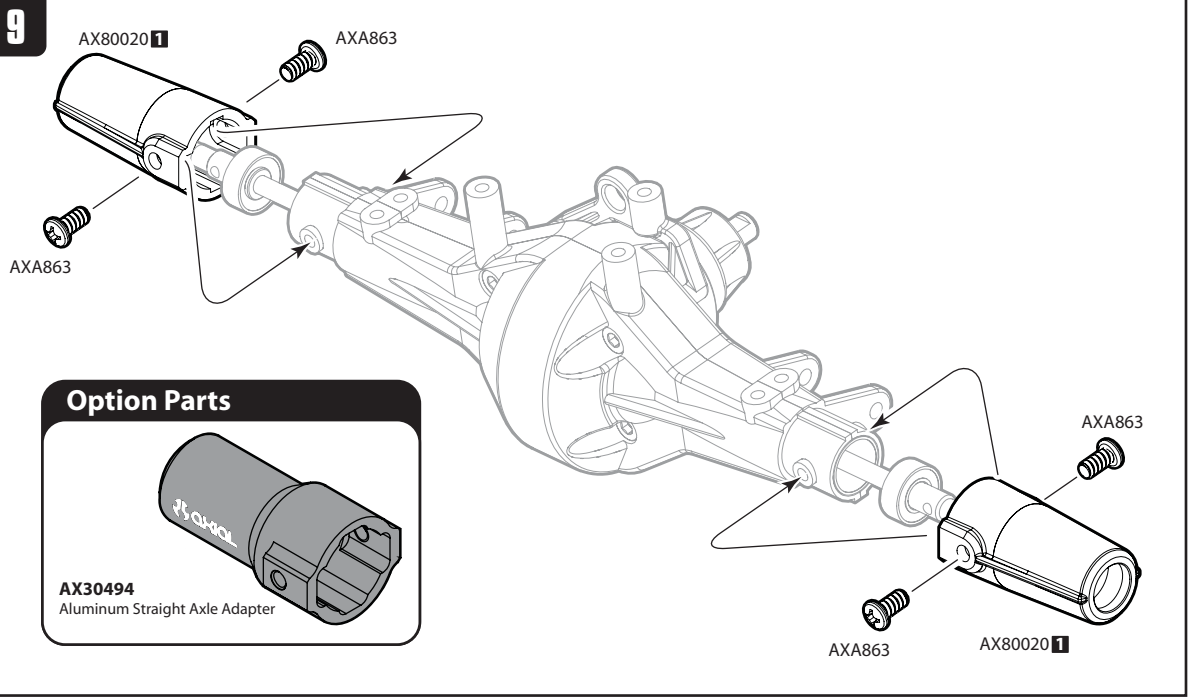
! If Gear mesh is tight, make sure input shaft is seated correctly.

OK! **NO!**





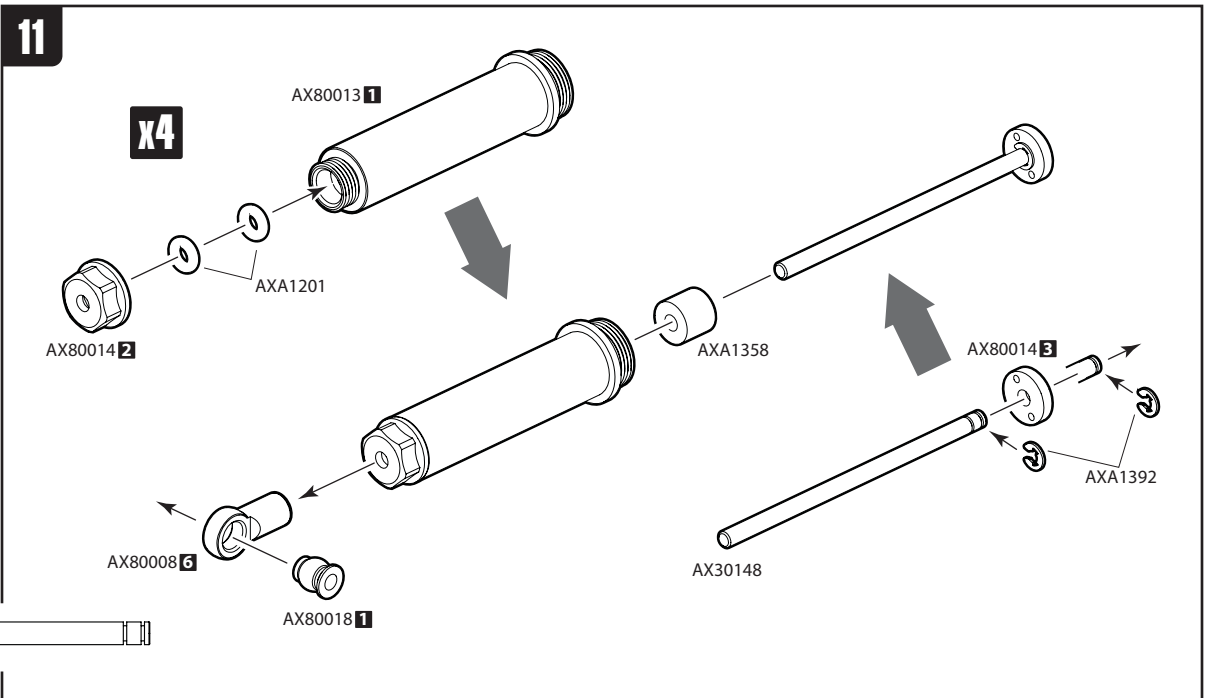
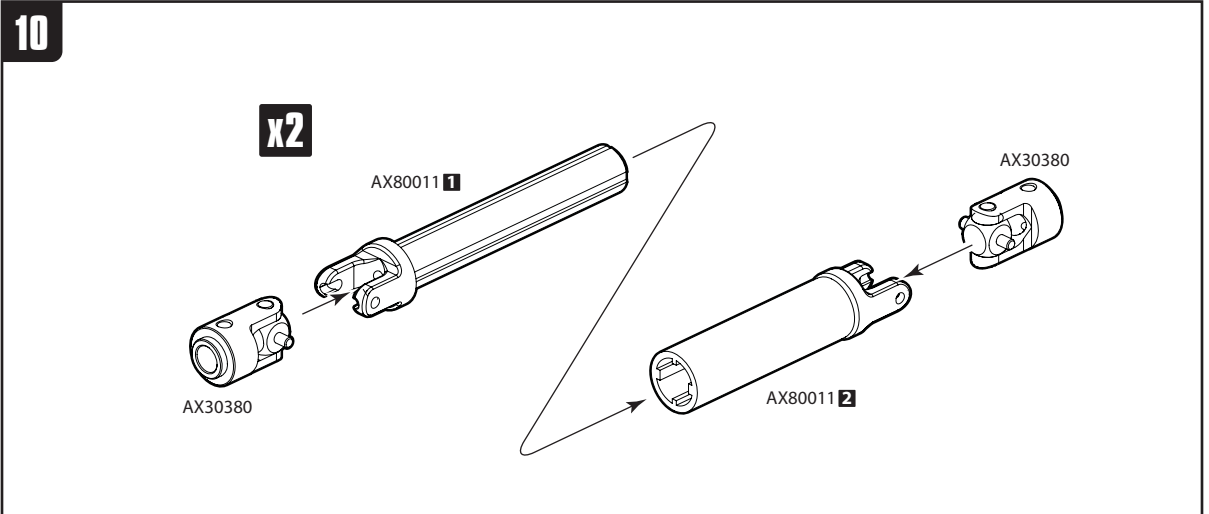
AXA863
M3x6mm Tapping Binder Head **x4**

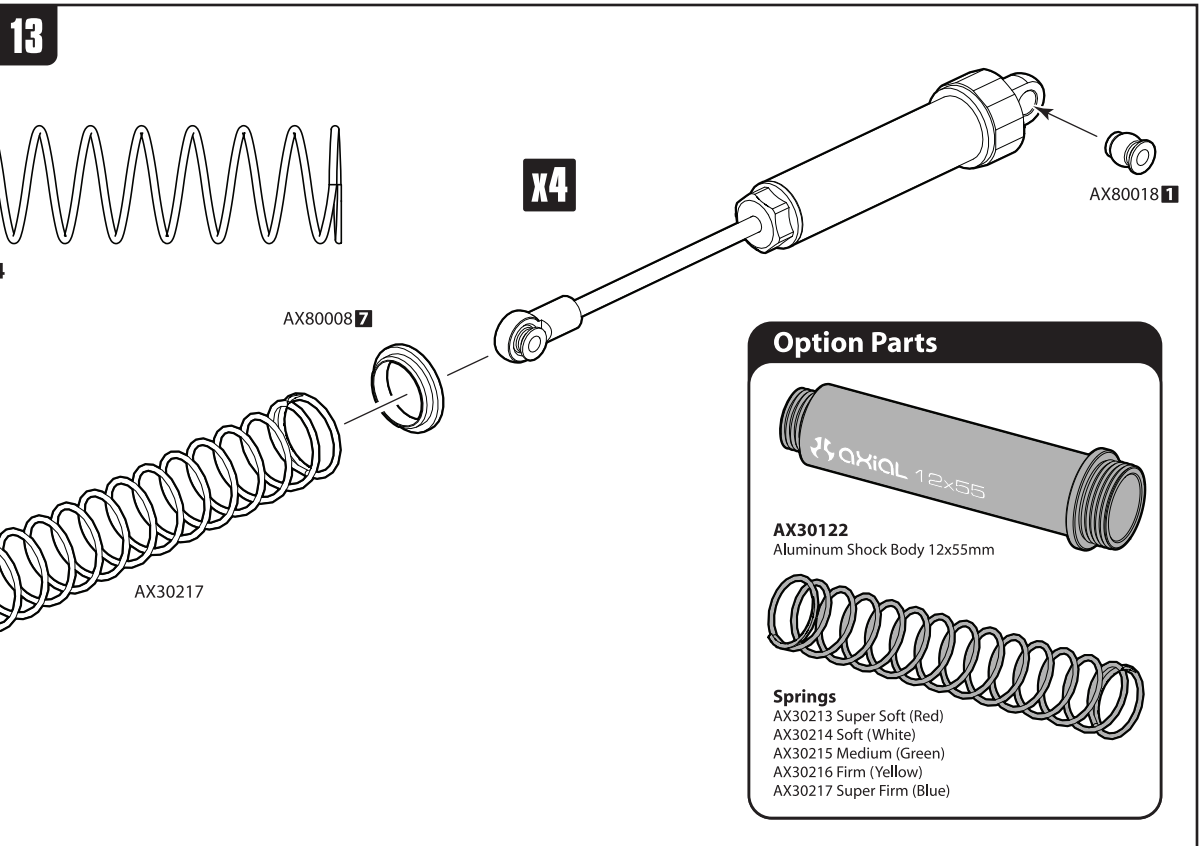
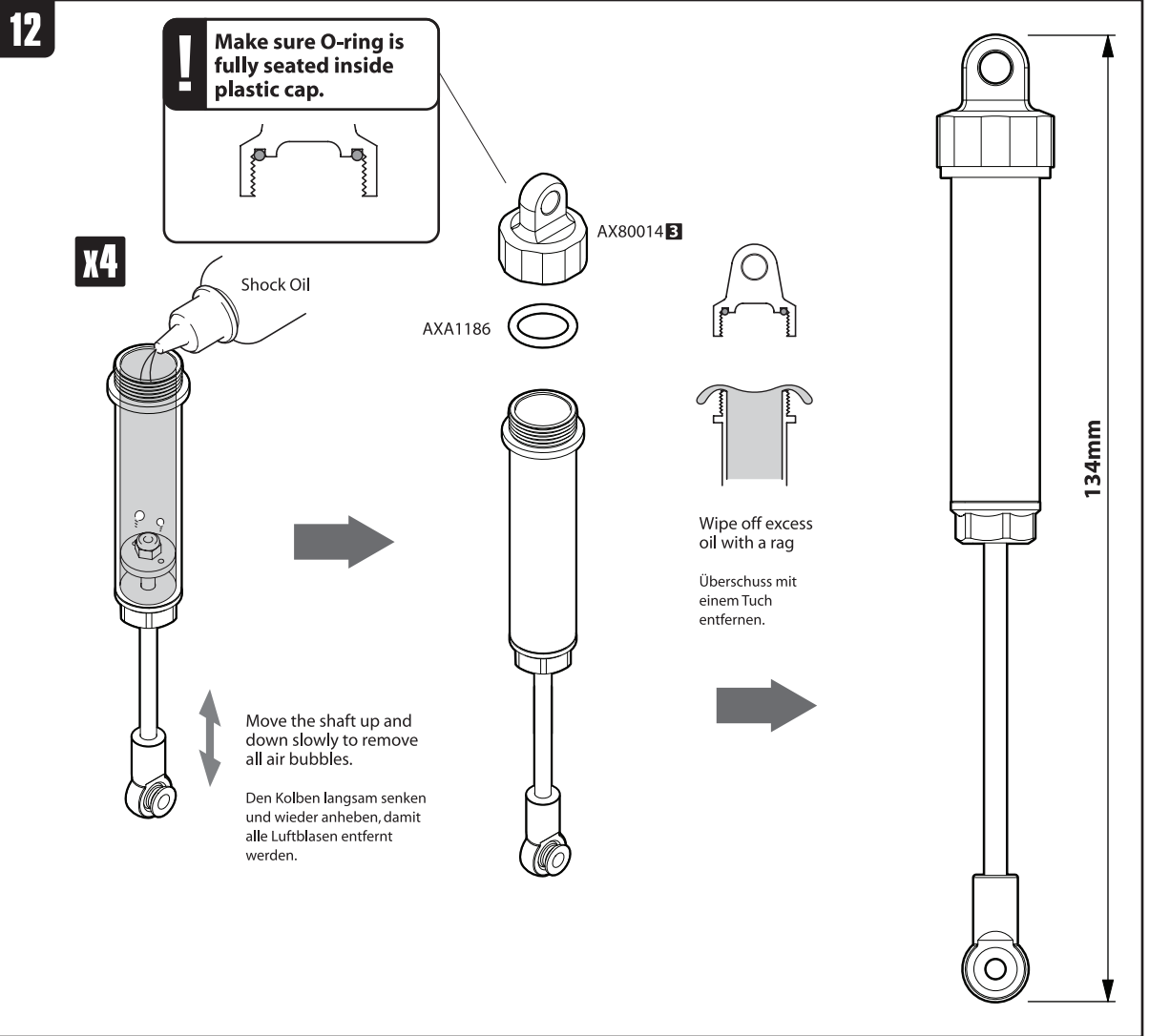
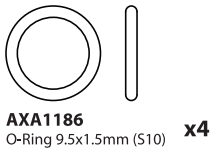


AX30380
Metal Driveshaft Yoke **x4**

Option Parts

AX30493
Aluminum Drive Shaft Rings





14

x4

AX80016 2

AX80018 1

AX80018 1

 AXA180
M3x3mm Set Screw x1

 AXA867
M3x15mm Tapping Binder Head x1


15

AX80016 1

AXA867

AXA180

THREAD LOCK

 AXA180
M3x3mm Set Screw x1

 AXA867
M3x15mm Tapping Binder Head x1

16

AX80016 1

AXA867

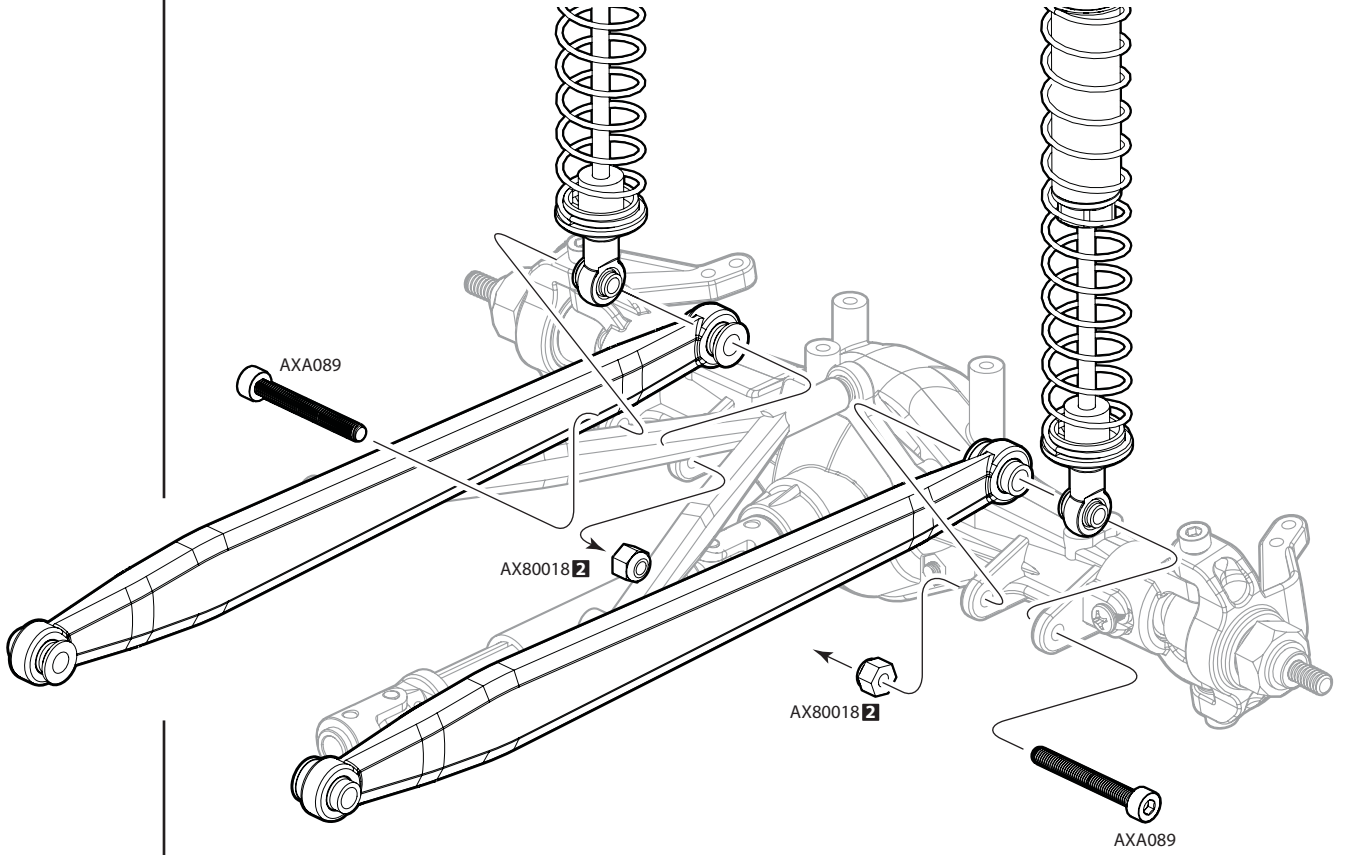
AXA180

THREAD LOCK



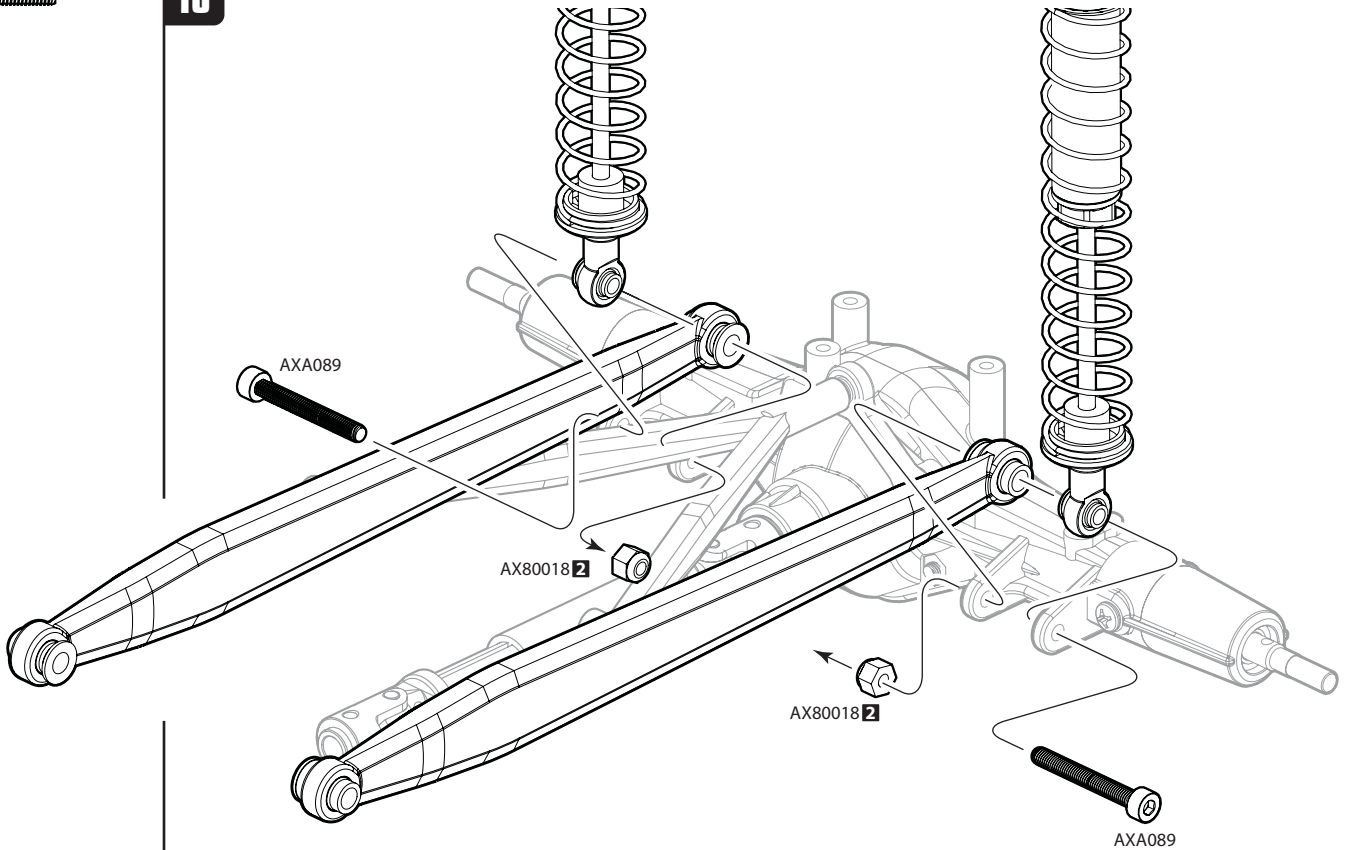
AXA089
M3x25mm x2

17

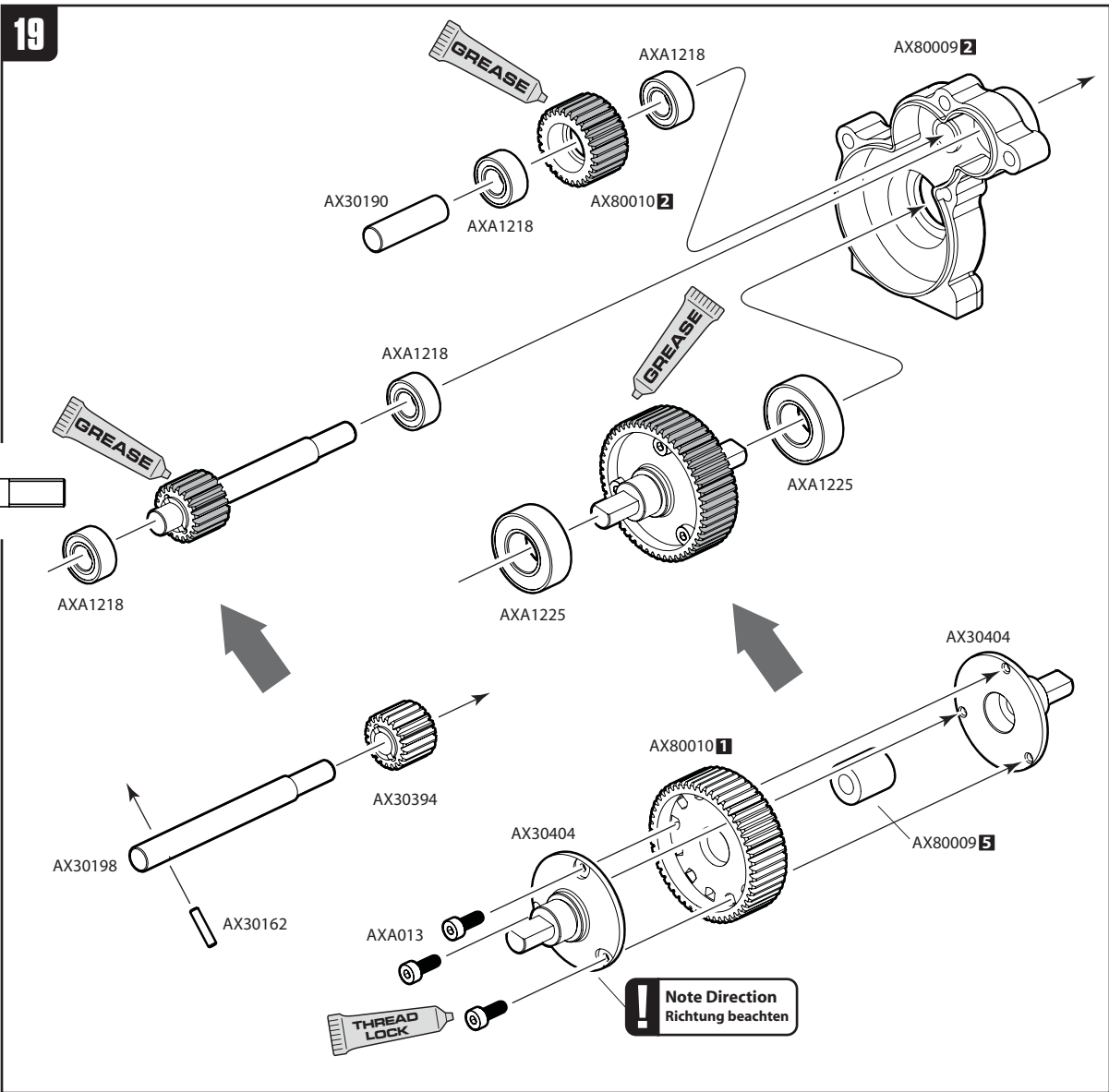
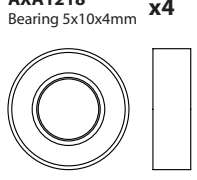
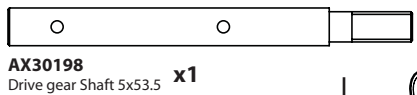
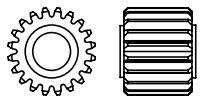
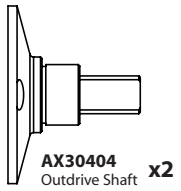


AXA089
M3x25mm x2

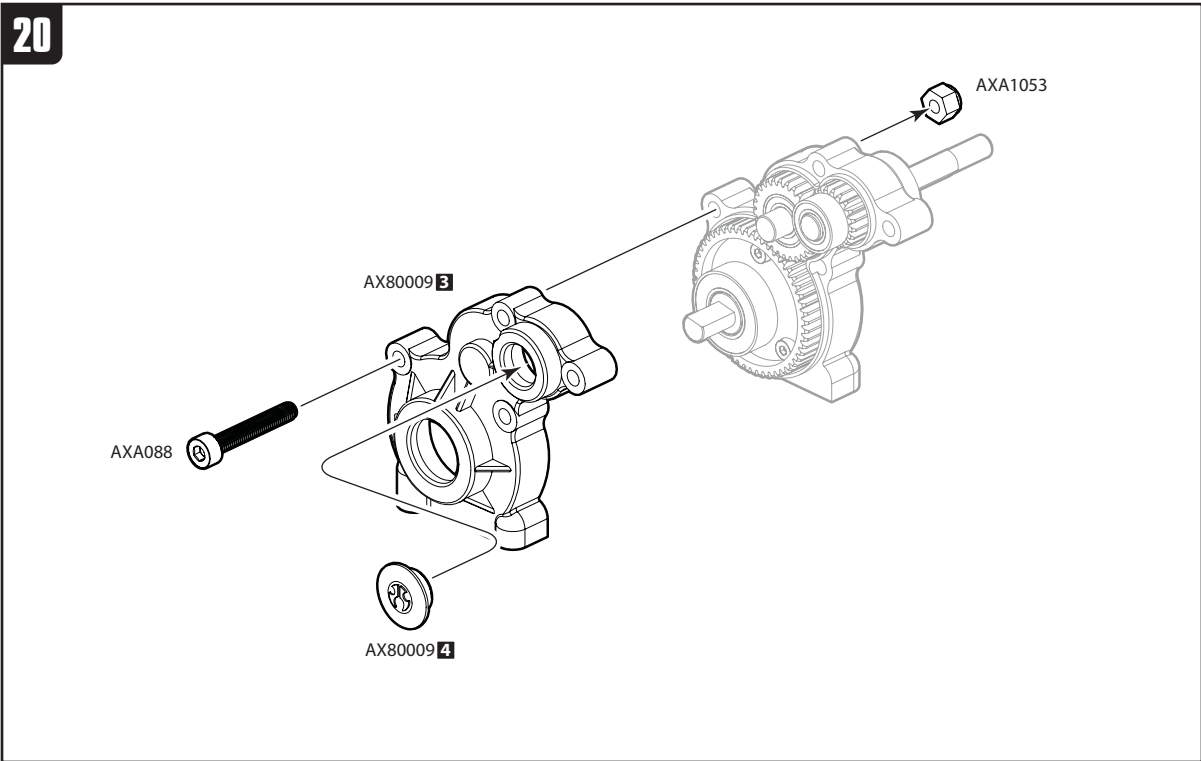
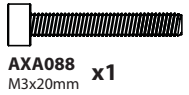
18



19

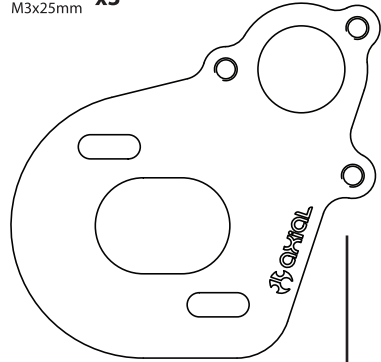


20

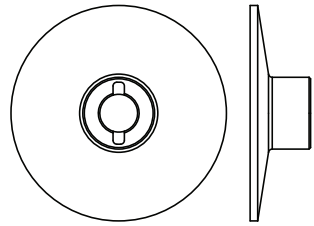




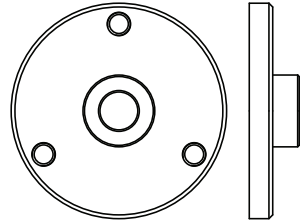
AXA089
M3x25mm **x3**



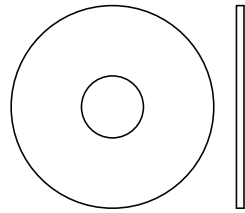
AX30491
AX10 Scorpion Motor Plate **x1**



AX30410
Inner Slipper Plate **x1**



AX30411
Outer Slipper Plate **x1**



AX30412
Slipper Pad 27x8x1mm **x1**



AX30413
Spring 8.5x12 **x1**



AX30162
Pin 1.5x8mm **x1**



AX1045
M4 Nylon Lock Nut **x1**



AXA1070
Washer 3x6x0.5 **x3**



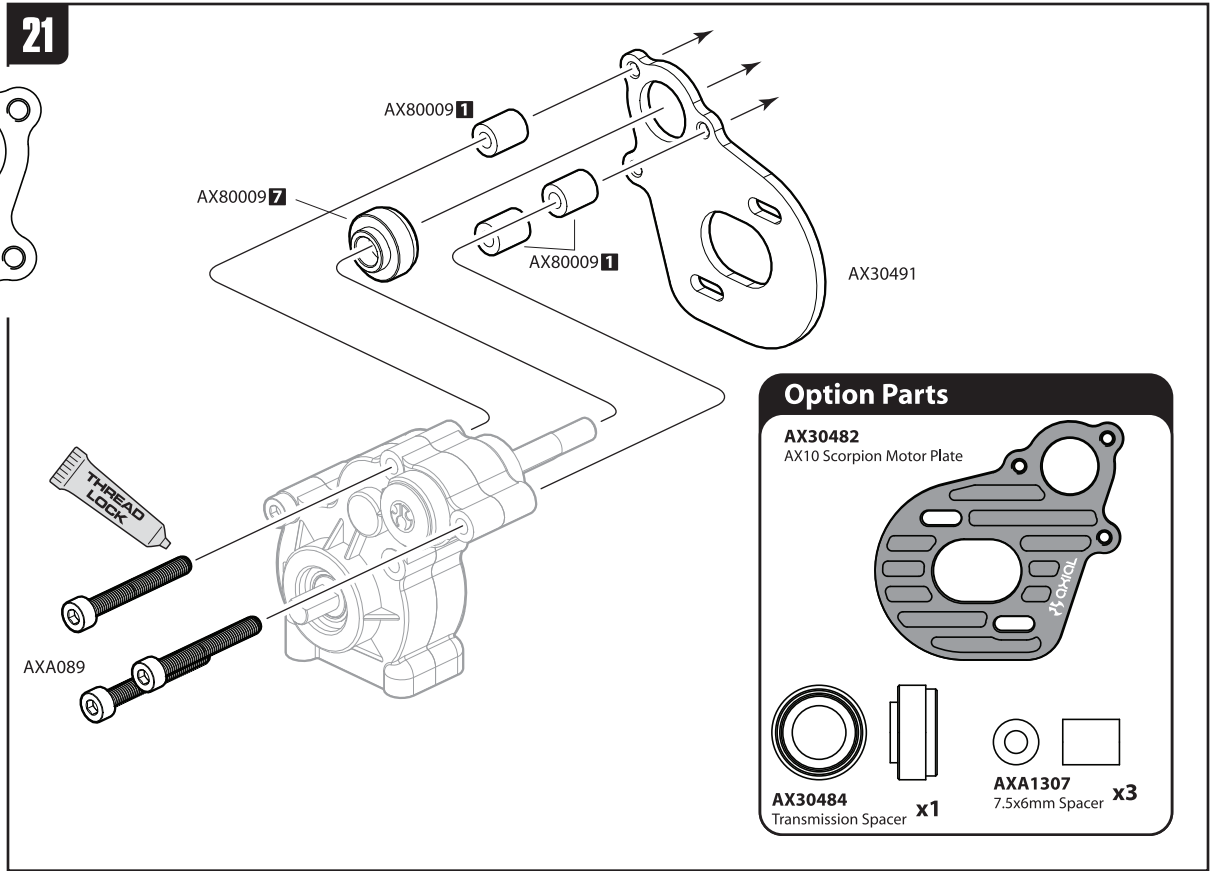
AX1071
Washer 4x8x0.5mm **x1**



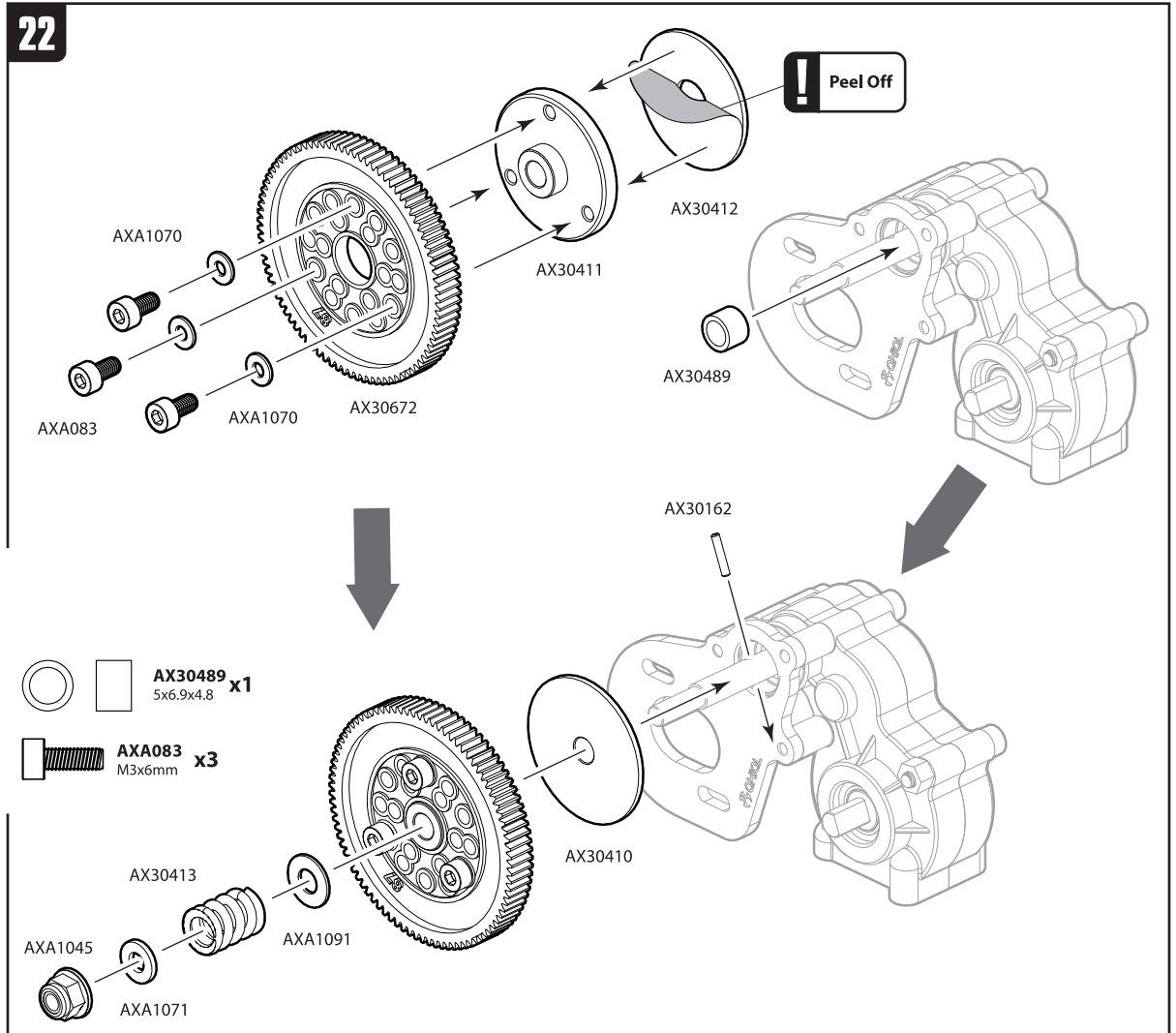
AXA1091
Washer 5x10x.5mm **x1**



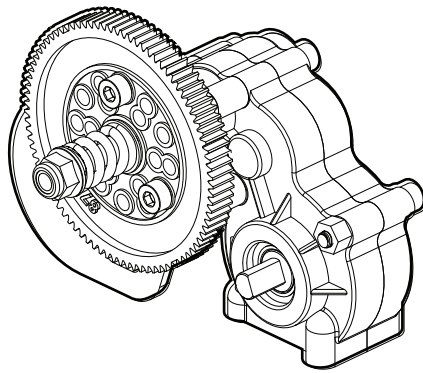
21



22



23





To set the slipper clutch, tighten the nut (↻Clockwise) until it stops then loosen it 2 turns (↻Counter clockwise). The spur gear should slip when firm pressure is applied. Do not overtighten the slipper clutch, damage may occur to the drivetrain.

Testing the slipper clutch

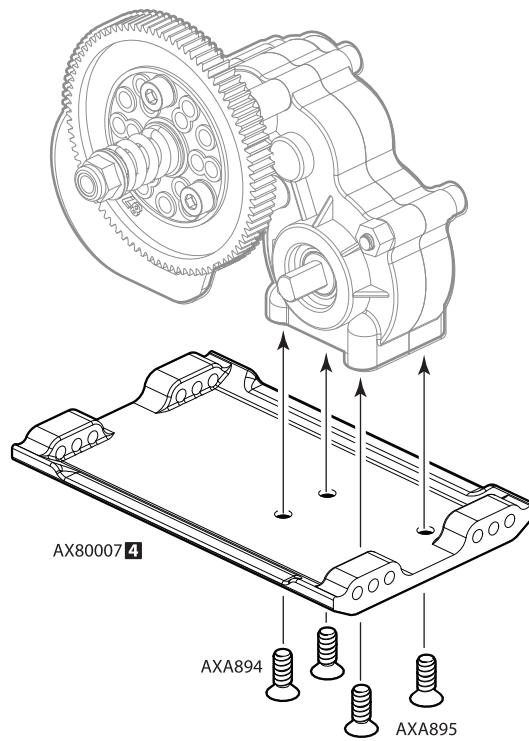
1. Hold the tires
2. Use your fingers to rotate the spur gear

Note: The spur gear should slip when firm pressure is applied. If it does not slip, loosen the nut in 1/2 turn increments

 **AXA894**
M3x8mm Tapping Flat Head x2

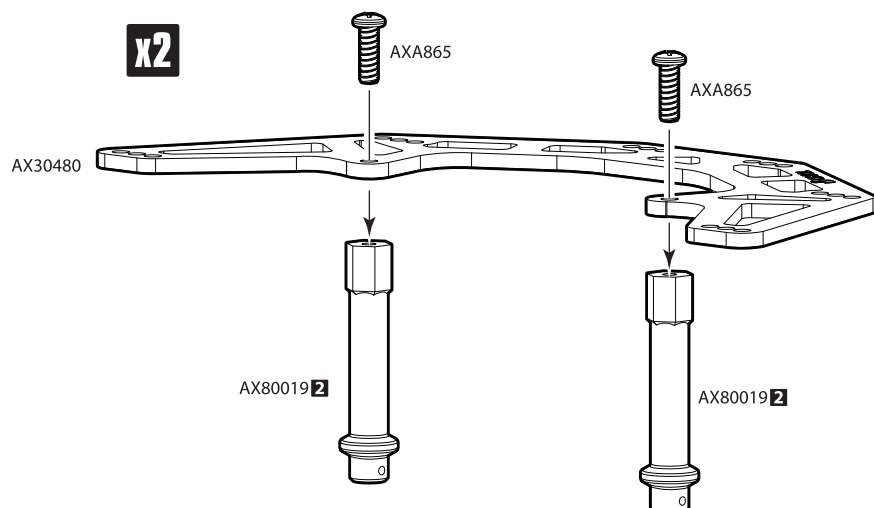
 **AXA895**
M3x10mm Tapping Flat Head x2

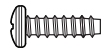
24



 **AXA865**
M3x10mm Tapping Binder Head x4

25





AXA865
M3x10mm Tapping Binder Head **x2**



AXA867
M3x15mm Tapping Binder Head **x2**



AXA180
M3x3mm Set Screw **x1**

26



AXA867
AXA865

Do Not Over Tighten
Nicht zu stark Anziehen

Note Direction
Richtung beachten



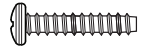
AXA180

Do Not Over Tighten
Nicht zu stark Anziehen

Note Direction
Richtung beachten



AXA865
M3x10mm Tapping Binder Head **x2**



AXA867
M3x15mm Tapping Binder Head **x2**



AXA180
M3x3mm Set Screw **x1**

27



AXA867
AXA865

Do Not Over Tighten
Nicht zu stark Anziehen

Note Direction
Richtung beachten



AXA180

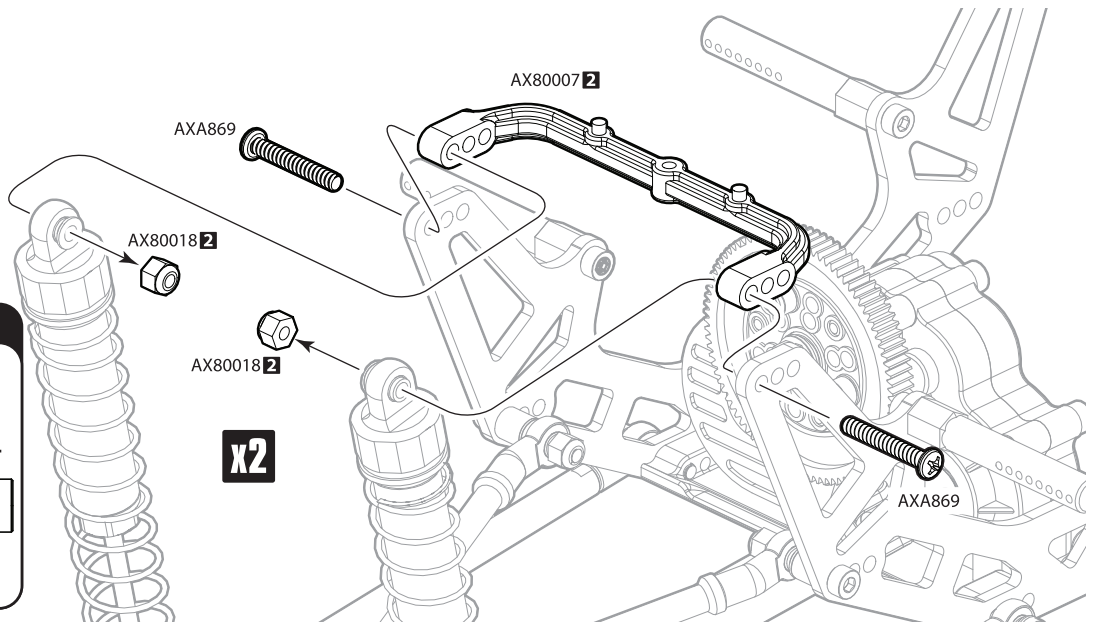
Do Not Over Tighten
Nicht zu stark Anziehen

Note Direction
Richtung beachten



AXA869
M3x20mm Tapping Binder Head **x4**

28



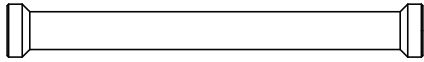
Option Parts



AXA150
M3x25mm **x4**



AXA1101
Cone Washer 3x6.9x2 **x4**

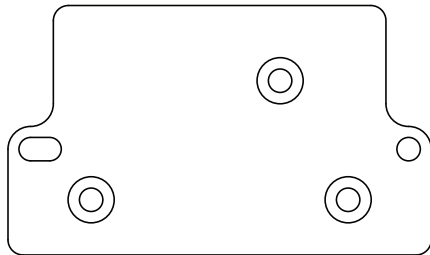


AXA1319
7x55mm Post **x2**



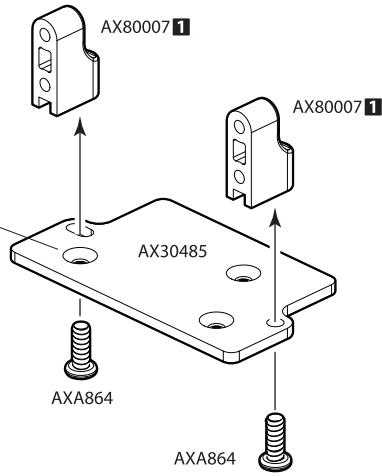
AXA864
M3x8mm Tapping Binder Head **x2**

29



AX30485
AX10 Scorpion Servo Plate **x1**

! Note Direction
Richtung beachten

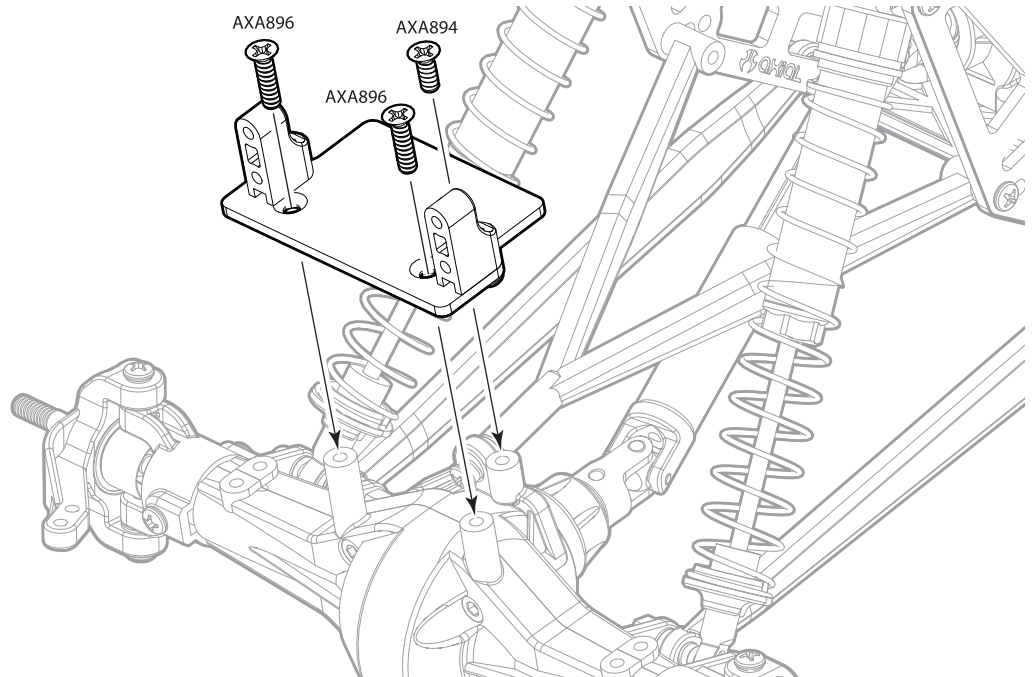


AXA894
M3x8mm Tapping Flat Head **x1**

30

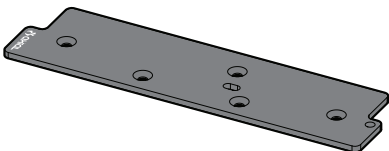


AXA896
M3x12mm Tapping Flat Head **x2**



Option Parts

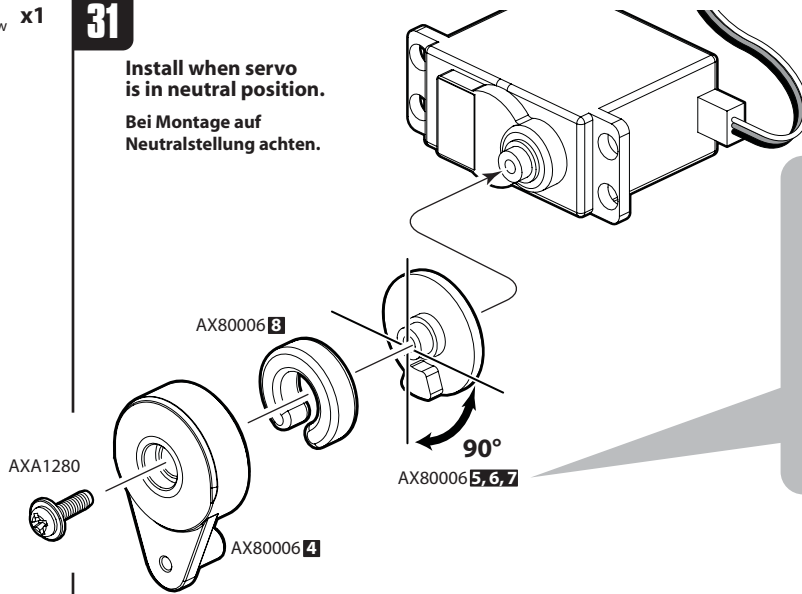
AX30486
AX10 Scorpion Battery/Servo Plate



AXA1280
M3x10mm Flange Screw **x1**

31

Install when servo is in neutral position.
Bei Montage auf Neutralstellung achten.



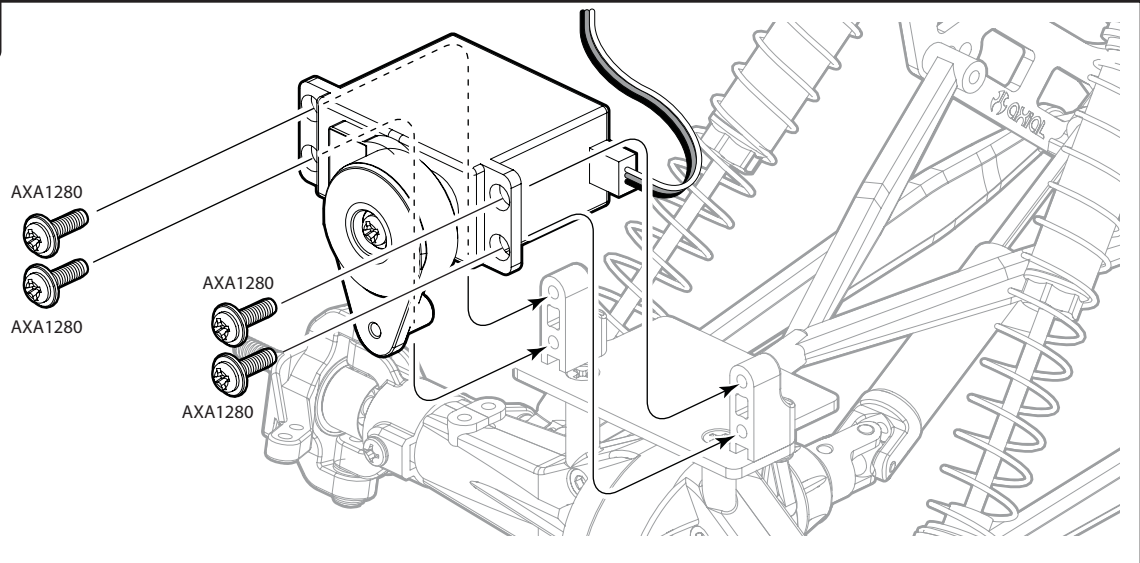
AX80006 **7**
23 **Airtronics / JR / KO**

AX80006 **6**
24 **Hitec**

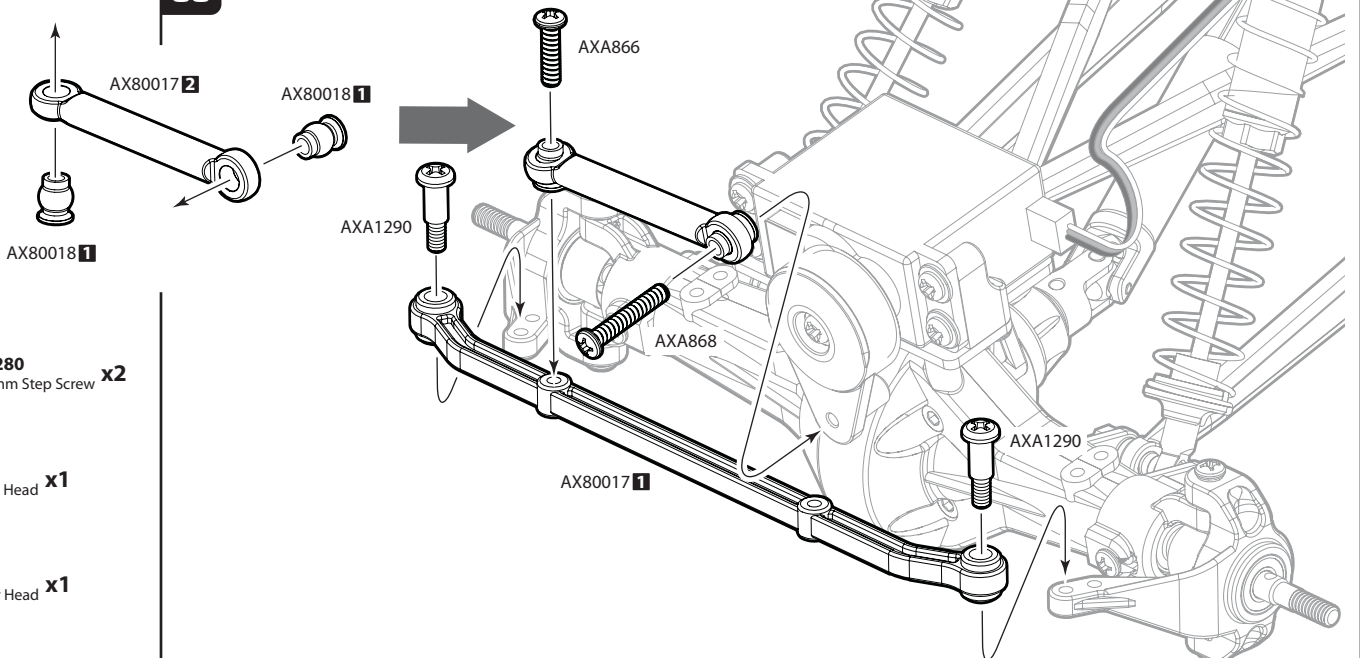
AX80006 **5**
25 **Futaba**

AXA1280
M3x10mm Flange Screw **x4**

32



33

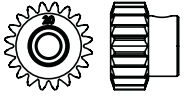


AXA1280
M3x14mm Step Screw **x2**

AXA866
M3x12mm Tapping Binder Head **x1**

AXA868
M3x18mm Tapping Binder Head **x1**

AXA180
M3x3mm Set Screw **x1**

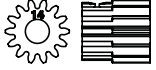


AX30578
Pinion 48DP 20T **x1**

AXA1070
Washer 3x6x0.5 **x2**

AXA083
M3x6mm **x2**

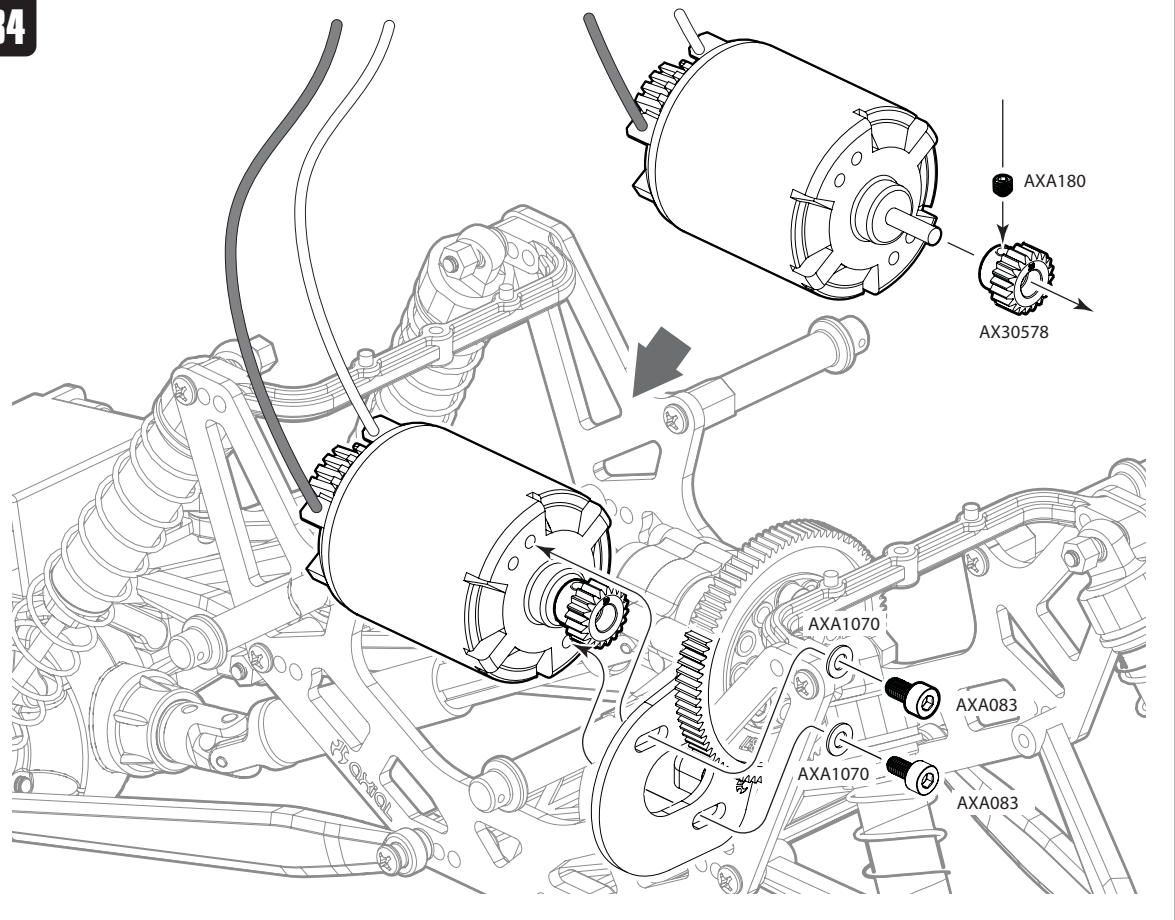
Tip



AX30572
Pinion 48DP 14T **x1**

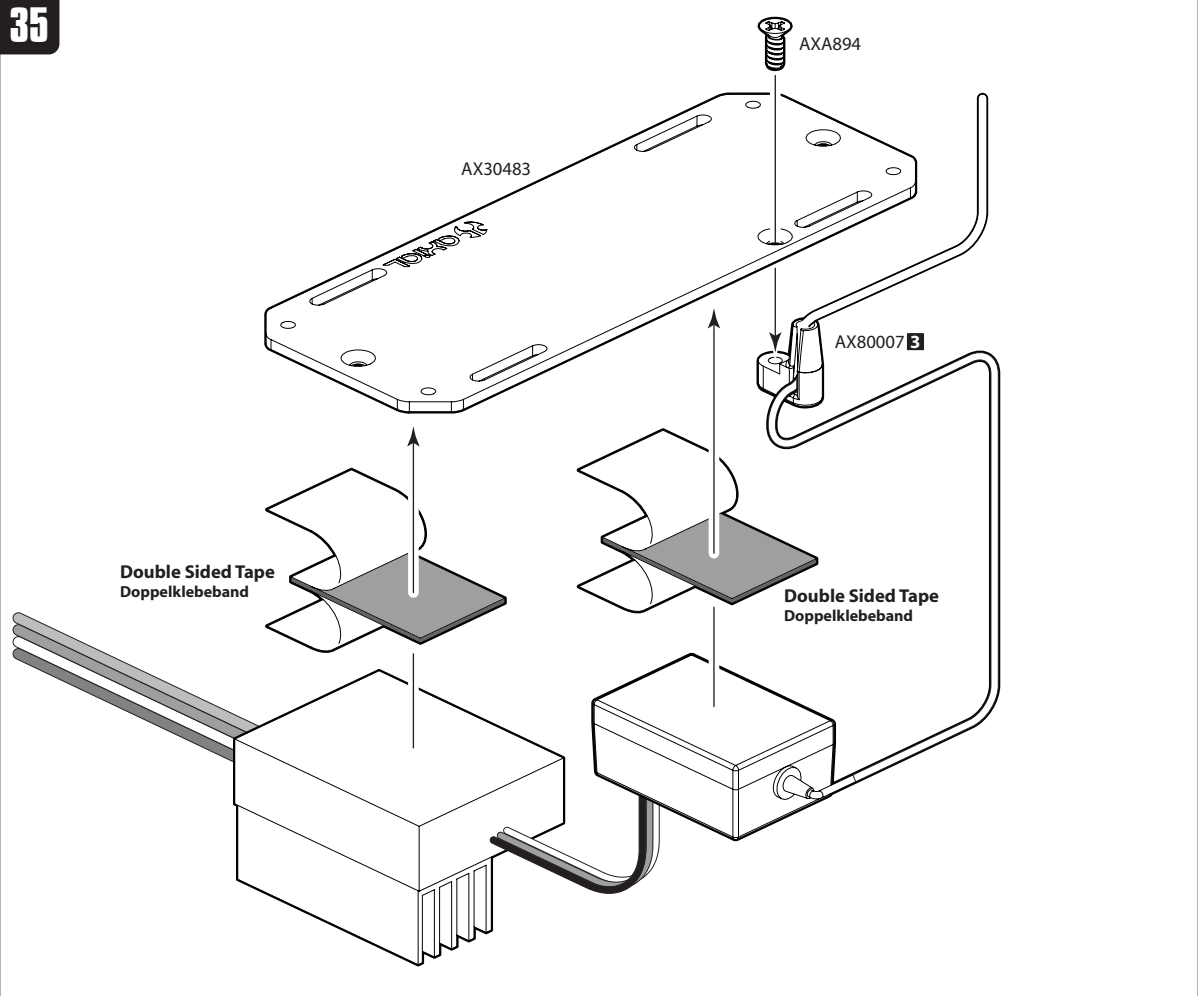
Replace with 14T pinion for better rock crawling ratio.

34

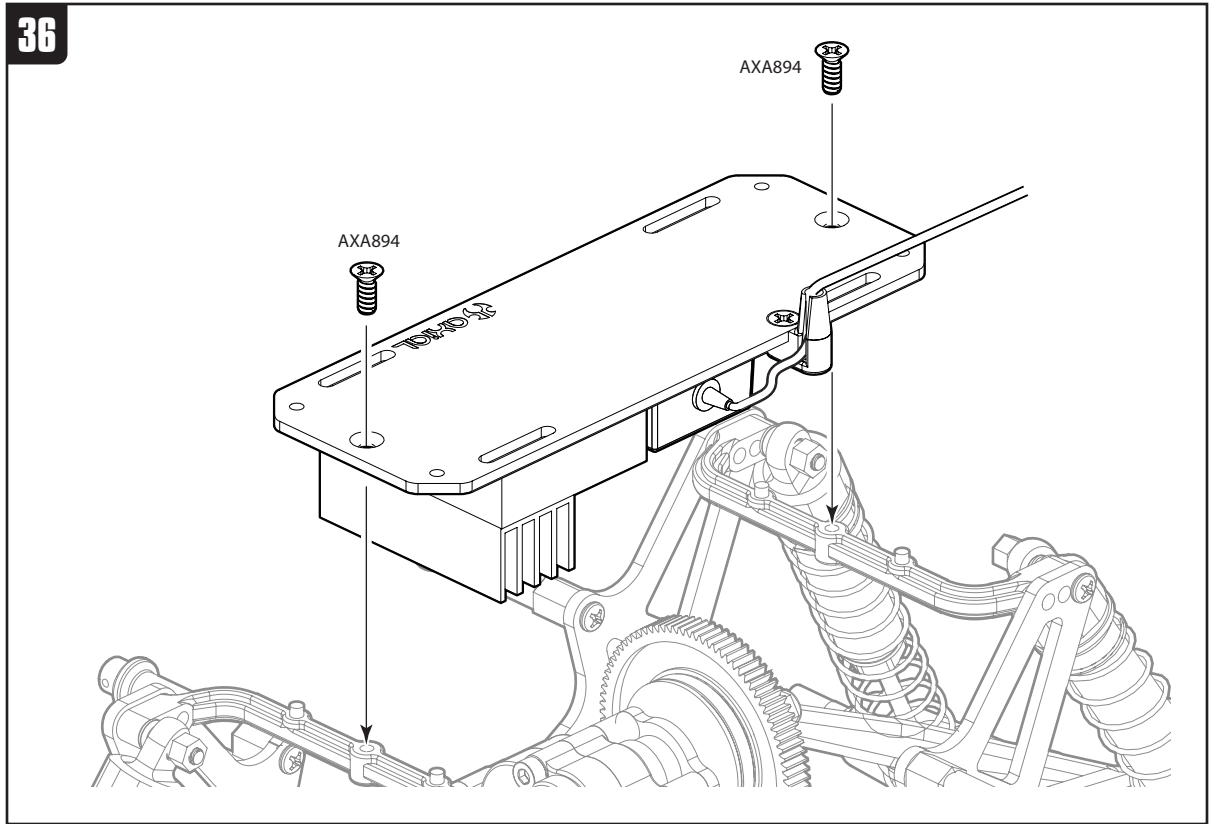


AXA894
M3x8mm Tapping Flat Head **x1**

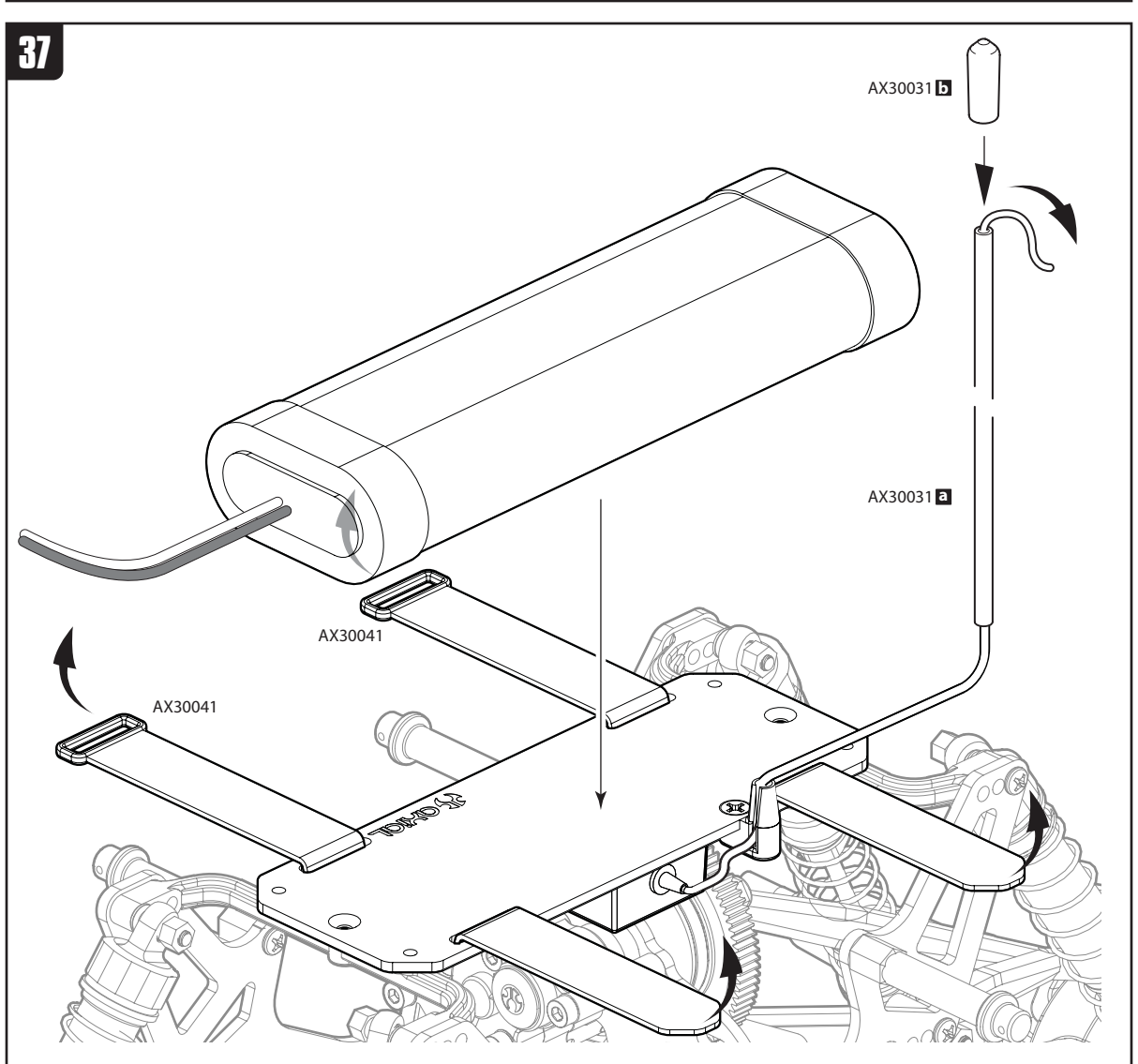
35



36

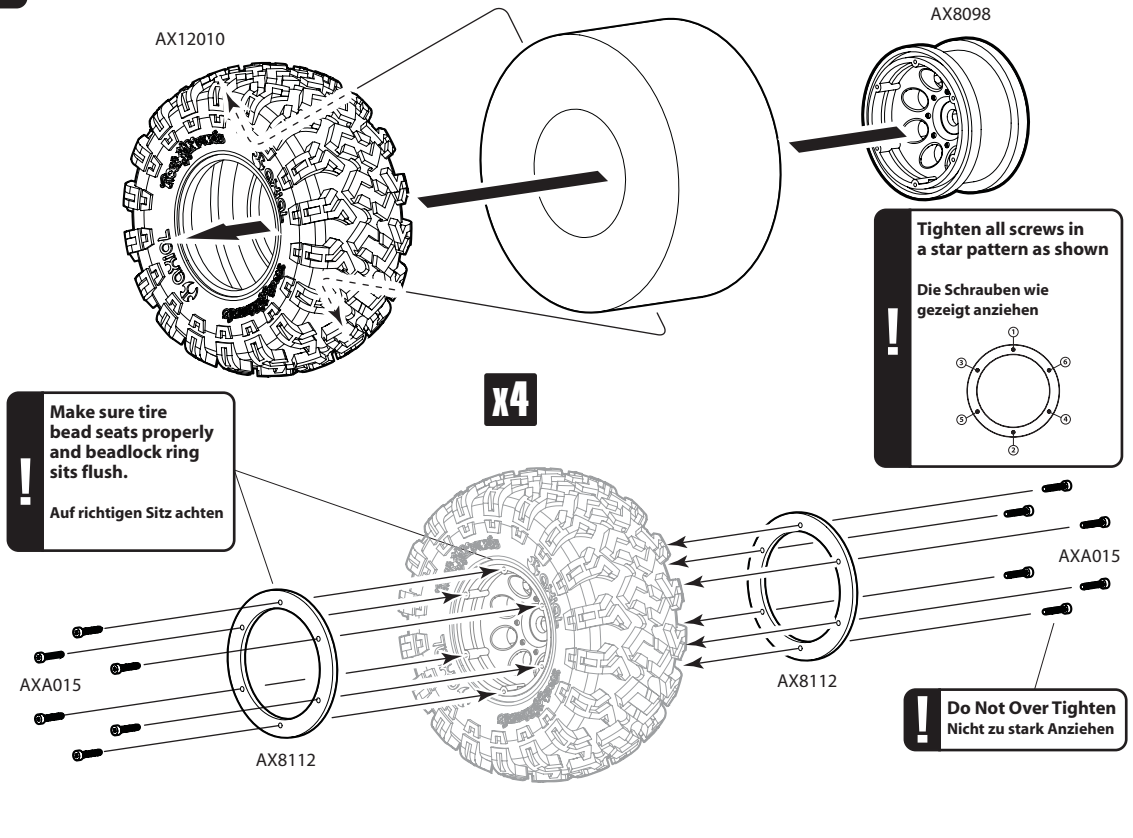


37



AXA015
M2x10mm **x48**

38



AXA180
M3x3mm Set Screw **x4**

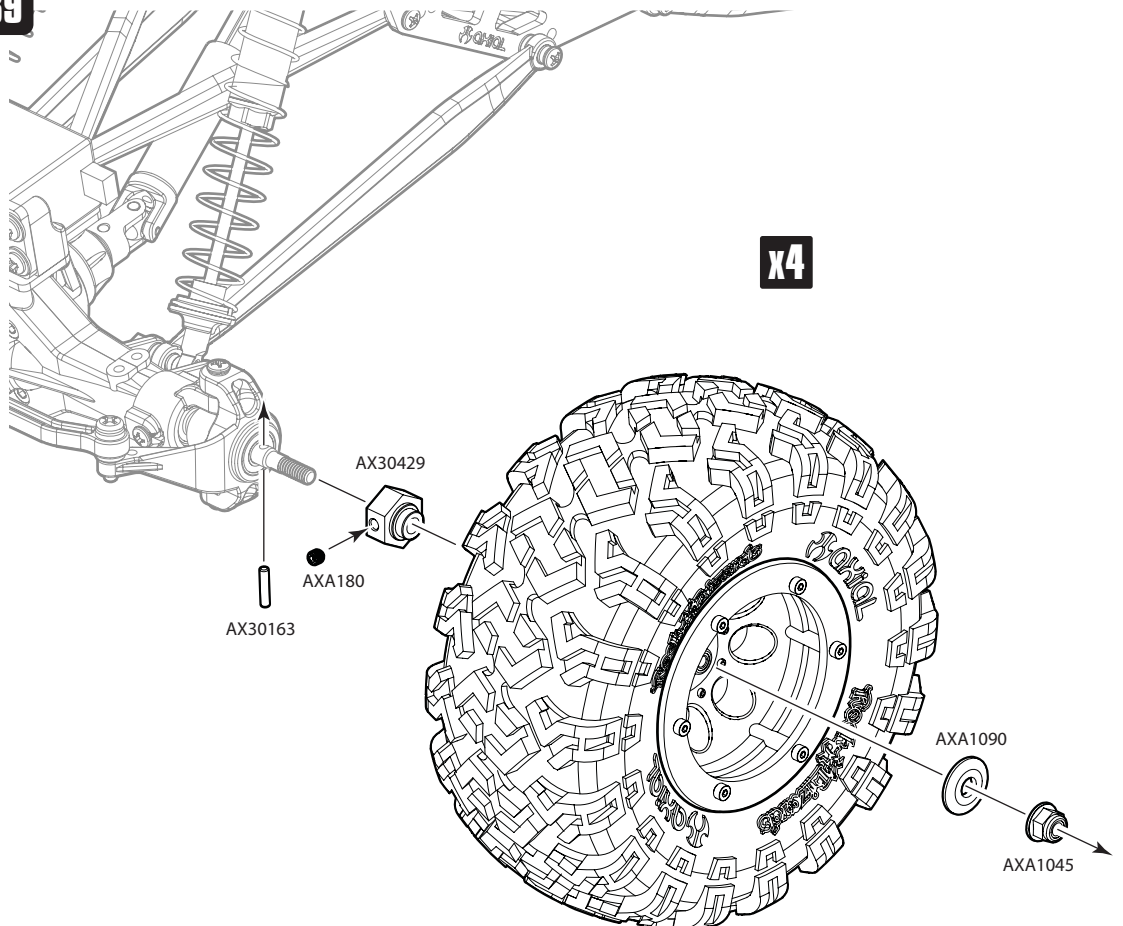
AX30429
12mm Aluminum Hub **x4**

AX30163
Pin 2x10mm **x4**

AXA1045
M4 Nylon Lock Nut **x4**

AXA1090
Washer 4.8x14 **x4**

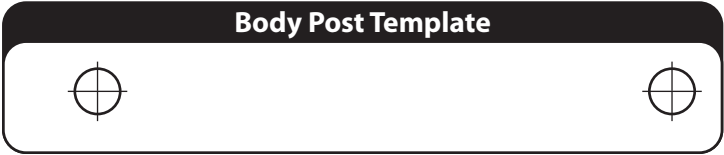
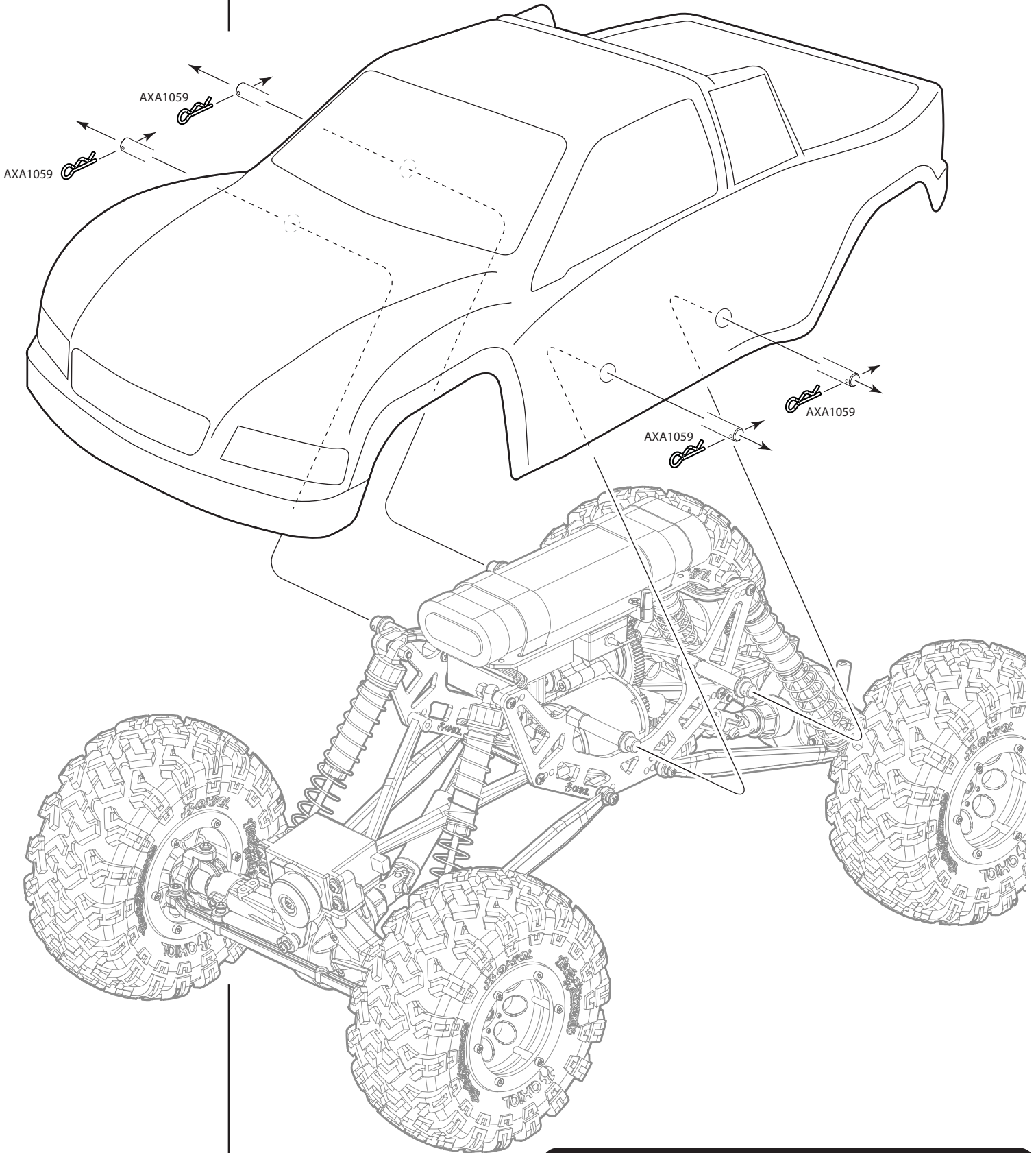
39





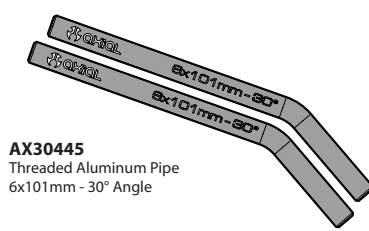
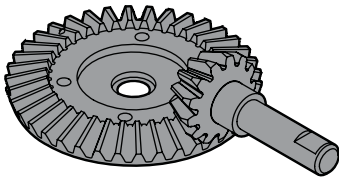
AXA1059
6mm Body Clip **x4**

40

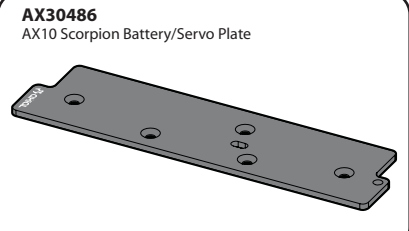


Option Parts

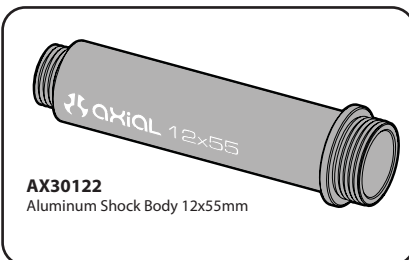
AX30395
Heavy Duty Bevel Gear Set



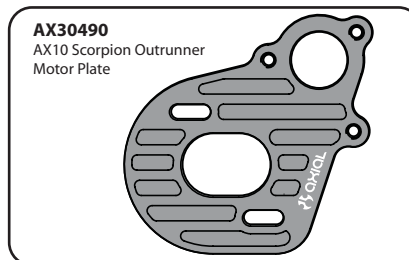
AX30445
Threaded Aluminum Pipe
6x101mm - 30° Angle



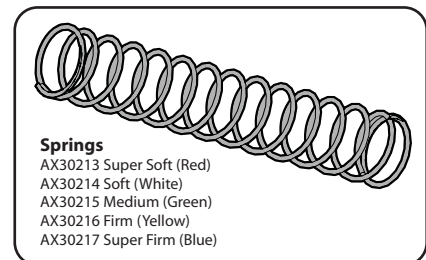
AX30486
AX10 Scorpion Battery/Servo Plate



AX30122
Aluminum Shock Body 12x55mm

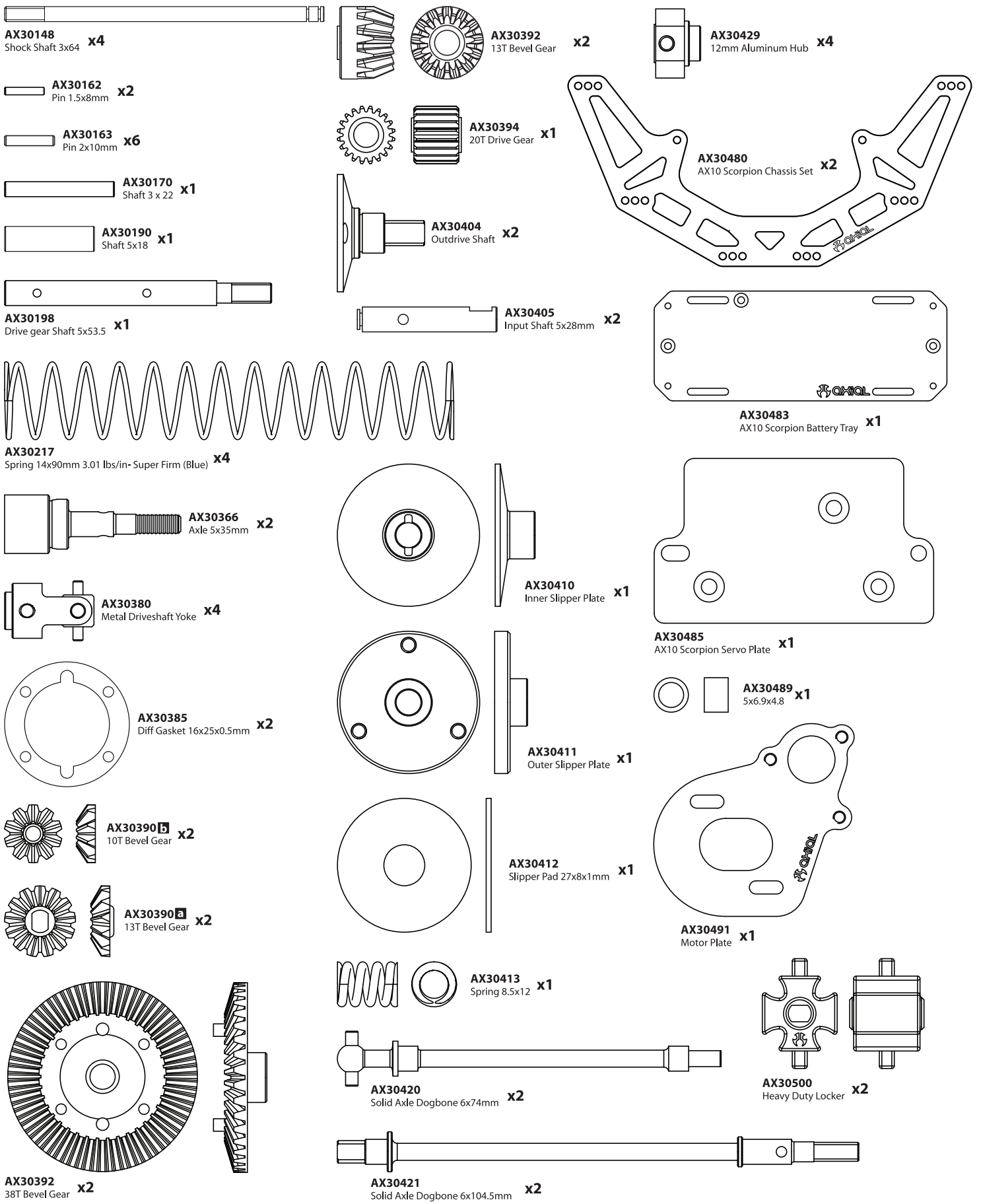


AX30490
AX10 Scorpion Outrunner
Motor Plate



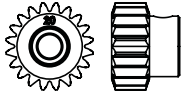
Springs
AX30213 Super Soft (Red)
AX30214 Soft (White)
AX30215 Medium (Green)
AX30216 Firm (Yellow)
AX30217 Super Firm (Blue)

Parts Reference / Übersicht aller Teile / Référence des pièces

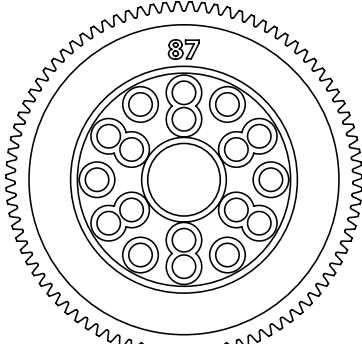




AX30572
Pinion 48DP 14T **x1**



AX30578
Pinion 48DP 20T **x1**



AX30672
Spur 48DP 87T **x1**



AXA013
M2x6mm **x3**



AXA015
M2x10mm **x56**



AXA083
M3x6mm **x5**



AXA087
M3x16mm **x4**



AXA088
M3x20mm **x1**



AXA089
M3x25mm **x7**



AXA1040
M3 Thin Hex Nut **x4**



AXA1045
M4 Nylon Lock Nut **x5**



AXA1053
M3 Nylon Locking Hex Nut **x1**



AXA1059
6mm Body Clip **x4**



AXA1070
Washer 3x6x0.5 **x5**



AX1071
Washer 4x8x1mm **x1**



AXA1090
Washer 4.8x14 **x4**



AXA1091
Washer 5x10x.5mm **x1**



AXA1162
O-Ring 5x1mm **x2**



AXA1186
O-Ring 9.5x1.5mm (S10) **x4**



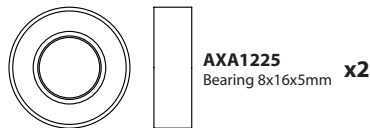
AXA1201
O-Ring 3x2mm (P3) **x8**



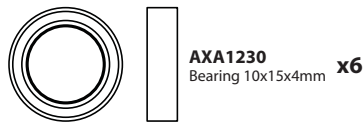
AXA1218
Bearing 5x10x4mm **x4**



AXA1221
Bearing 5x11x4mm **x10**



AXA1225
Bearing 8x16x5mm **x2**



AXA1230
Bearing 10x15x4mm **x6**



AXA1280
M3x10mm Flange Screw **x5**



AXA1280
M3x14mm Step Screw **x2**



AXA1358
Shock Damper 3x7x8 **x4**



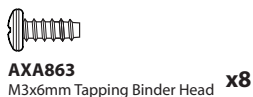
AXA1392
E2 e-clip **x8**



AXA1393
E2.5 e-clip **x2**



AXA180
M3x3mm Set Screw **x5**



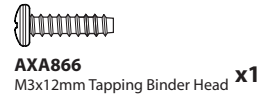
AXA863
M3x6mm Tapping Binder Head **x8**



AXA864
M3x8mm Tapping Binder Head **x2**



AXA865
M3x10mm Tapping Binder Head **x12**



AXA866
M3x12mm Tapping Binder Head **x1**



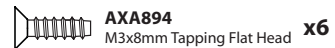
AXA867
M3x15mm Tapping Binder Head **x4**



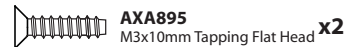
AXA868
M3x18mm Tapping Binder Head **x1**



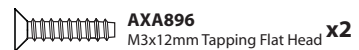
AXA869
M3x20mm Tapping Binder Head **x4**



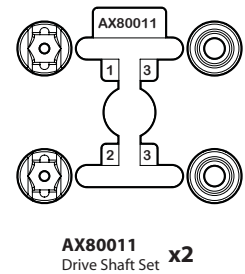
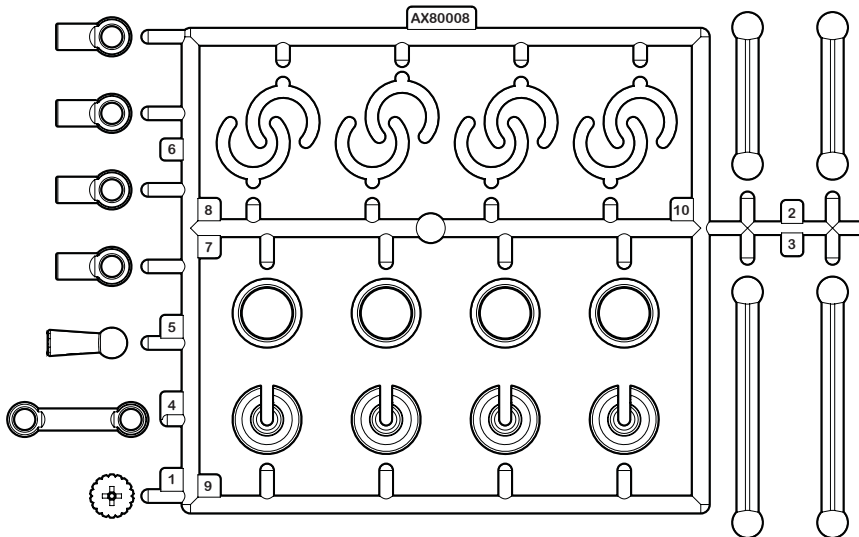
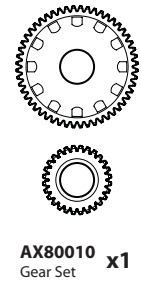
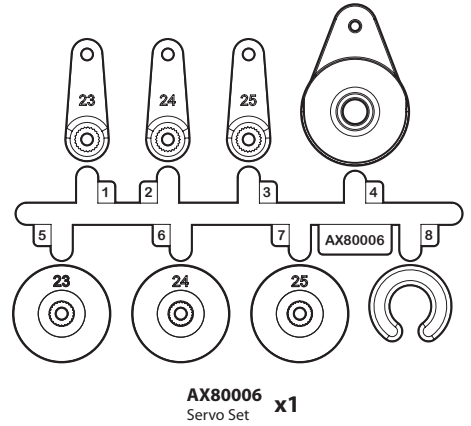
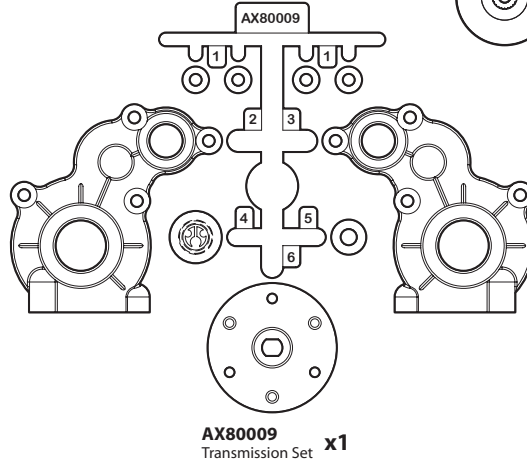
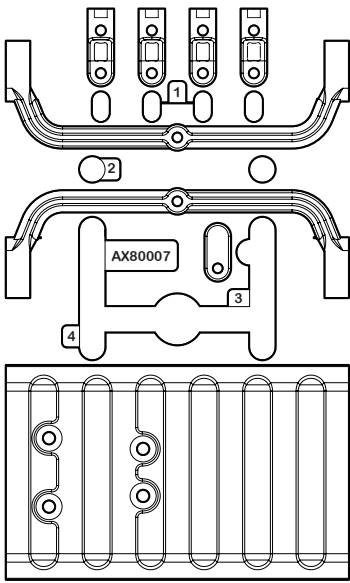
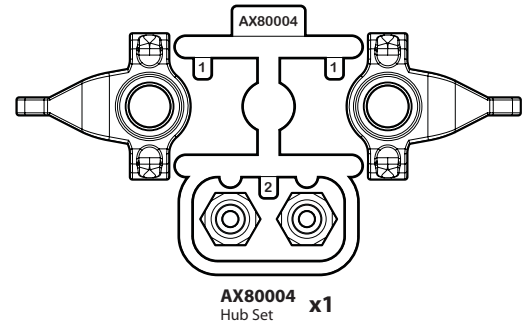
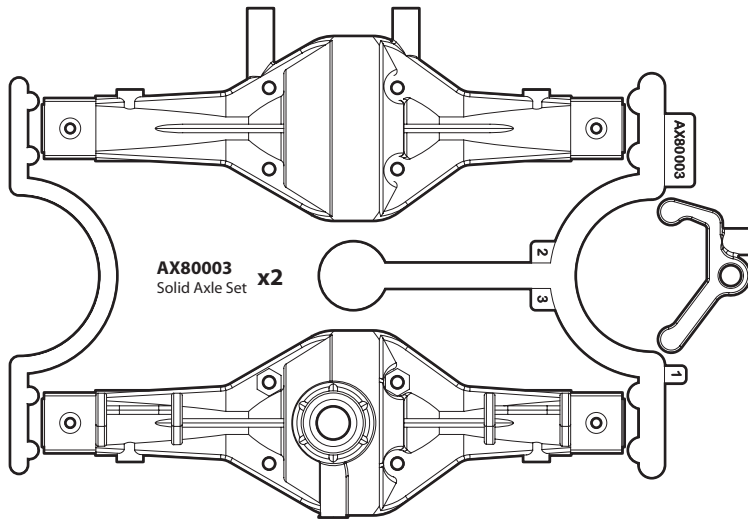
AXA894
M3x8mm Tapping Flat Head **x6**

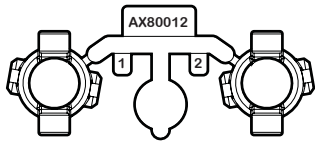


AXA895
M3x10mm Tapping Flat Head **x2**

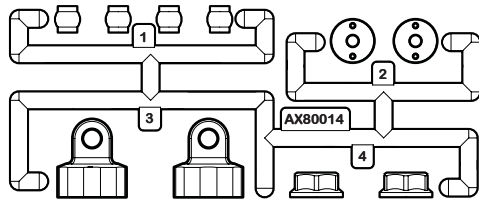


AXA896
M3x12mm Tapping Flat Head **x2**

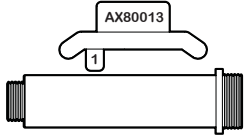




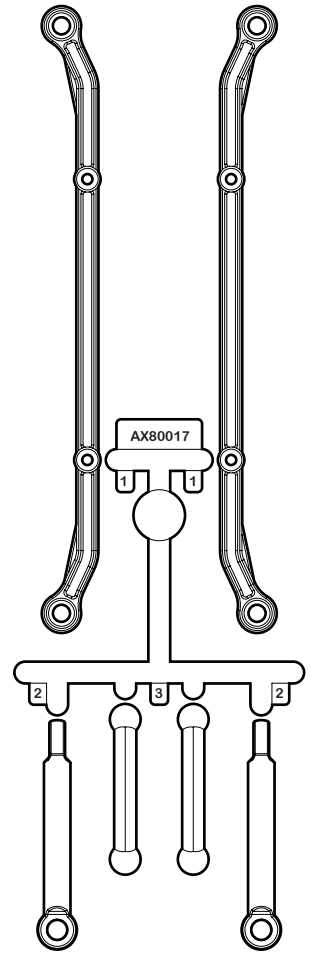
AX80012
C Hub Carrier Set **x1**



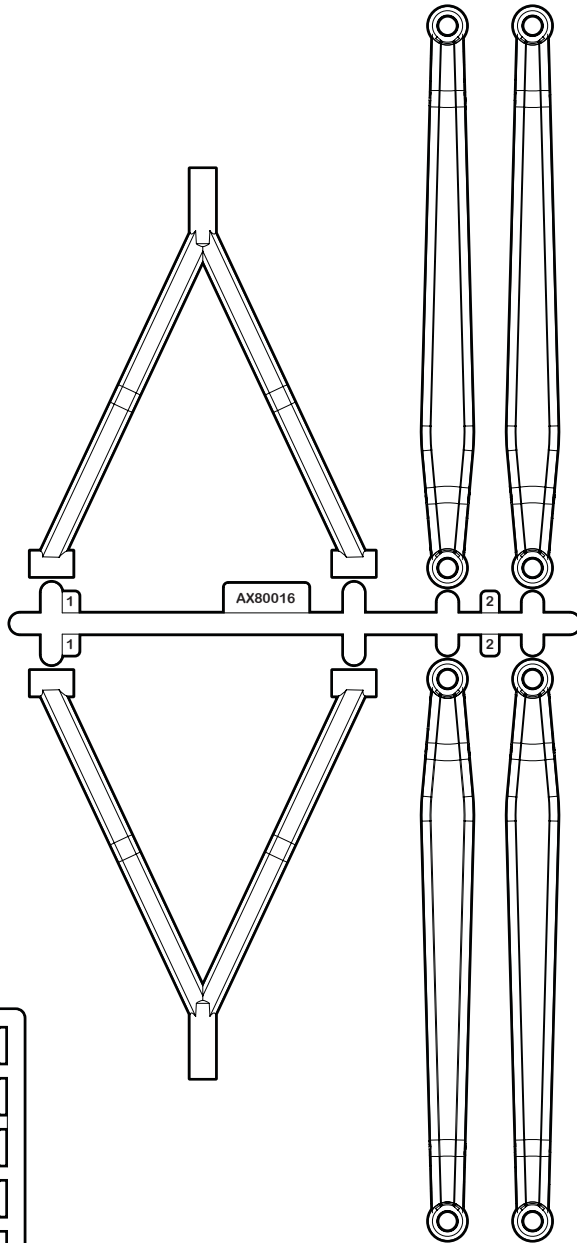
AX80014
Shock Cap Set **x2**



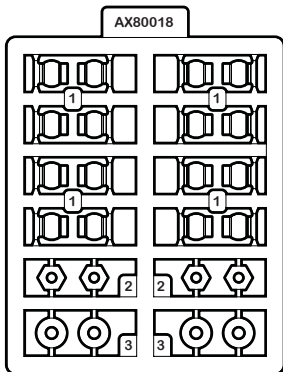
AX80013
80-125 Shock Body Set **x2**



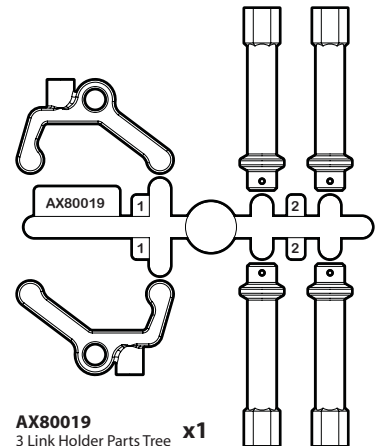
AX80017
Steering Link Parts Tree **x1**



AX80016
Linkage Parts Tree **x1**

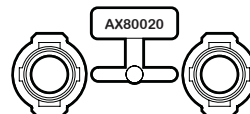


AX80018
Hardware Parts Tree **x2**

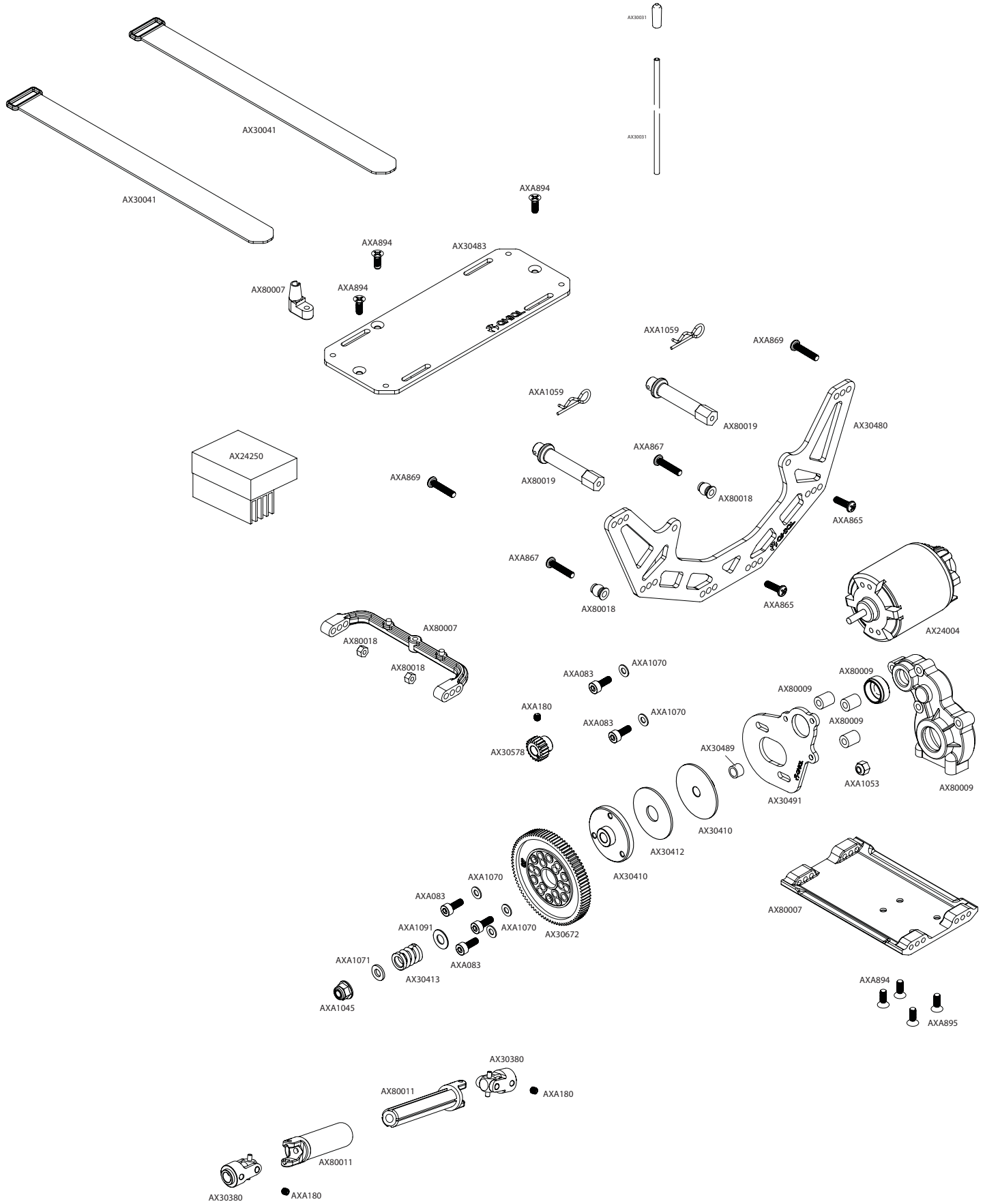


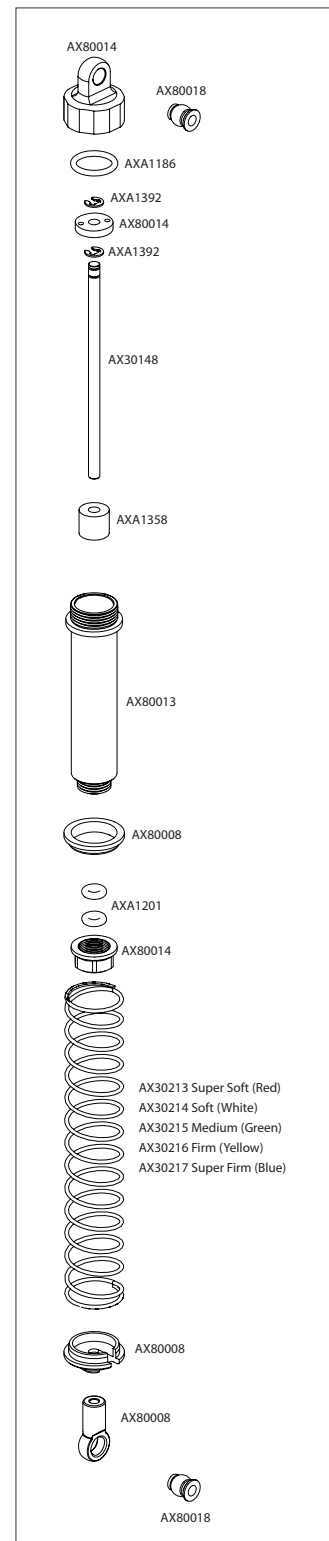
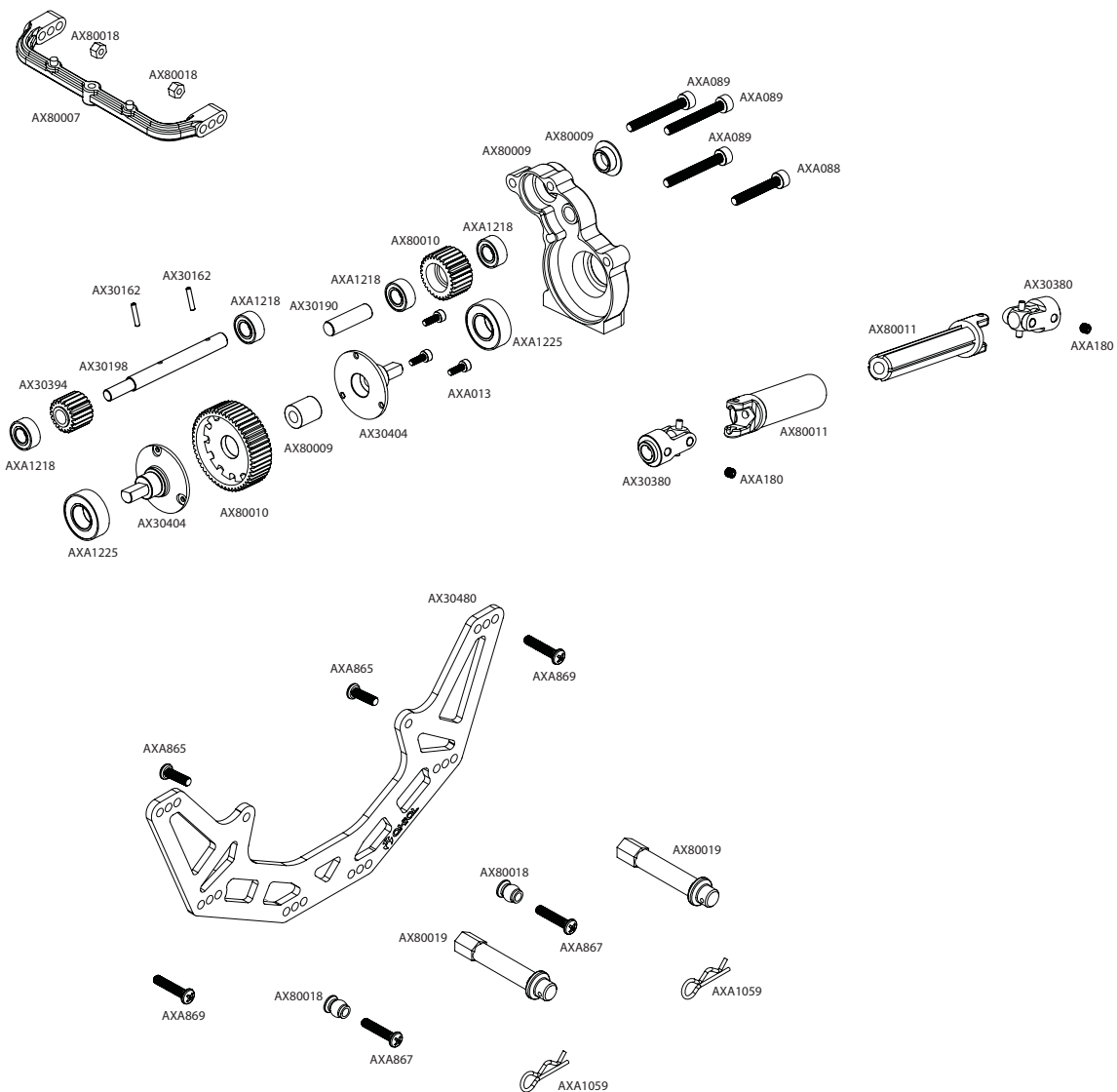
AX80019
3 Link Holder Parts Tree **x1**

AX80020
Straight Axle Adapter Parts Tree **x1**



Exploded View / Explosionsansicht / Vue éclatée





Part #	Description	Part #	Description
AX30442	Threaded Aluminum Pipe 6x33mm (2pcs)	AX8092	Axial 2.2 Rockster Beadlocks (Chrome)
AX30443	Threaded Aluminum Pipe 6x98mm (2pcs)	AX8093	Axial 2.2 Rockster Beadlocks (Black Chrome)
AX30445	High Clearance Links - 6x101mm - 30 degree Angle (2pcs)	AX8096	2.2 8 Hole Beadlocks (White)
AX30482	AX10 Scorpion Motor Plate	AX8097	2.2 8 Hole Beadlocks (Black)
AX30486	Optional AX10 Scorpion Battery/Servo Plate	AX8098	2.2 8 Hole Beadlocks (Satin Chrome)
AX30492	AX10 Scorpion Rear Steer Kit	AX8099	2.2 8 Hole Beadlocks (Black Chrome)
AX30493	Driveshaft Ring - Grey (2pcs)	AX8110	2.2 Beadlock Ring (Green)
AX30494	Aluminum Rear Axle Lockout (2pcs)	AX8111	2.2 Beadlock Ring (Purple)
AX4000	Axial War Wagon Truck Body .060 Pre-Cut Clear	AX8112	2.2 Beadlock Ring (Blue)
AX4001	Axial Baja Buzzard Truck Body .060 Pre-Cut Clear	AX8113	2.2 Beadlock Ring (Red)
AX4002	Axial Diablo Truck Body .060 Pre-Cut Clear	AX8114	2.2 Beadlock Ring (Grey)
AX4004	B-17 Betty Truck Body (Clear)	AX8115	2.2 Rock Beadlock Ring (Green)
AX4007	B-17 Betty Truck Body .040"-uncut (Clear)	AX8116	2.2 Rock Beadlock Ring (Purple)
AX4008	Axial Baja Buzzard Truck Body - .040" (Clear)	AX8117	2.2 Rock Beadlock Ring (Blue)
AX4016	34 Rat Rod Truck - .060" (Clear)	AXA1319	2.2 Rock Beadlock Ring (Red)
AX4018	Baja Buzzard Truck Body - .040" (Pre-printed) - Orange	AXA1331	2.2 Rock Beadlock Ring (Grey)
AX4019	Baja Buzzard Truck Body - .040" (Pre-printed) - Blue	AXA186	M3x16mm Set Screw (Black Oxide) (10pcs)
AX80005	Linkage Set		
AX80015	3 Link Connector		
AX8090	Axial 2.2 Rockster Beadlocks (White)		
AX8091	Axial 2.2 Rockster Beadlocks (Black)		

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.



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