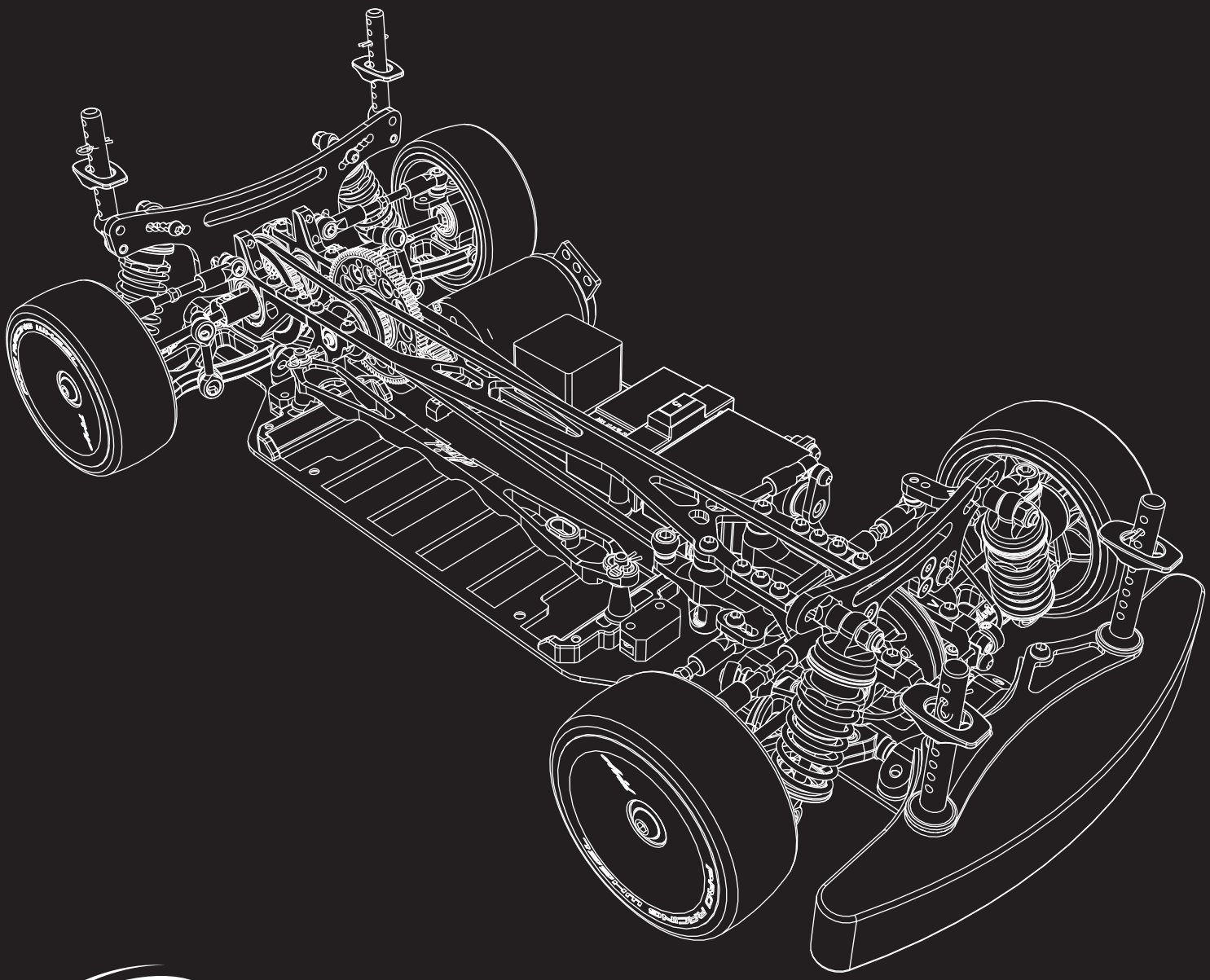
En **Instruction Manual**

De **Bauanleitung**

*1/10 Electric Touring Car*

# AVID V2



ROBITRONIC

POWER FOR WINNERS

2801199

# WARRANTY

If there are any defects with materials, workmanship, or assembly of this product, we will gladly repair or replace it for you at our discretion. Products which have been wornout, abused, or improperly operated will not be covered under warranty.

**Not covered by warranty:**

Normal wear, abuse, neglect, crash damage or any damages arising as a result of improper use.

Robitronic shall not be liable for any loss or damage, whether direct, indirect, incidental, or consequential, arising from the use, misuse, or abuse of this product and any accessory or chemical required to operate this product.

DO NOT return this product without prior approval. Please note any returned product, which is inspected by our staff and is found to have an invalid warranty claim may be subject to an inspection & handling fee before it can be returned. Any repairs made to this product resulting from neglect or misuse will be charged (parts & labor) before the work is started.

Robitronic will be responsible to the warranty claims for the product. Consumers will need to contact Robitronic to request a Return Merchandise Authorization (RMA) number.

# Garantiebestimmungen

Sollten das Produkt Materialschäden oder Verarbeitungsfehler bereits bei der Auslieferung aufweisen, werden wir diese Teile gerne kostenlos reparieren oder austauschen.

**Von der Garantie ausgeschlossen:**

Schäden durch normale Abnutzung, Schäden die durch falsche Anwendung, sowie Schäden die durch Vernachlässigung der Sorgfaltspflicht und unsachgemäßer Behandlung und Wartungsfehler entstanden sind.

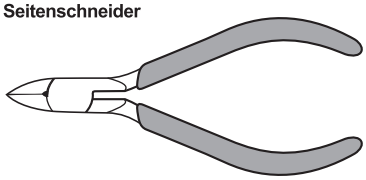
Bei Garantiefällen wenden Sie sich bitte an ihren Fachhändler.
Sollten Sie das Produkt selber einschicken, legen Sie bitte unbedingt eine Kopie der Rechnung und einen Reparaturauftrag bei, den können Sie unter www.robitronic.com herunterladen.
Bei direkter Zusendung an die Robitronic-Serviceabteilung muss vorher Rücksprache (telefonisch oder E-Mail) gehalten werden.
Die Portokosten trägt der Versender. Kostenpflichtige Pakete werden nicht angenommen.
Jeder eingeschickte Garantiefall wird zunächst durch unsere Serviceabteilung auf Zulässigkeit geprüft.
Für abgelehnte Garantiefälle wird ggf. eine Kontroll- und Bearbeitungsgebühr verrechnet bevor wir das Produkt zurück senden.
Reparaturen die nicht unter die Garantieleistung fallen, müssen vor der Reparaturdurchführung bezahlt werden.

Robitronic übernimmt keinerlei Haftung für Beschädigungen und Ausfälle die direkt oder indirekt, durch die Folge von sach- oder unsachgemäßen Gebrauch dieses Produktes und dessen benötigten Zubehörprodukte und Chemikalien, die zum Betrieb erforderlich sind, entstehen.

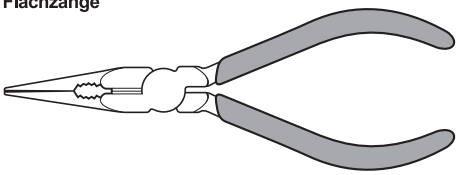
# Tools and Accesoires — Werkzeug und Zubehör

## TOOLS REQUIRED — BENÖTIGTES WERKZEUG

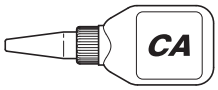
Side cutter
Seitenschneider



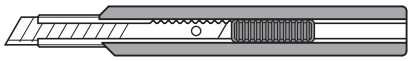
Long nose pliers
Flachzange



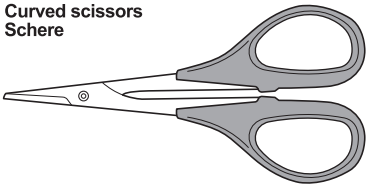
Instant cement
Sekundenkleber




Modeling knife
Bastelmesser



Curved scissors
Schere

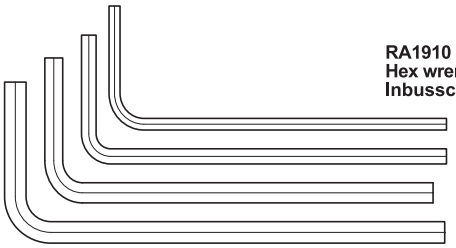


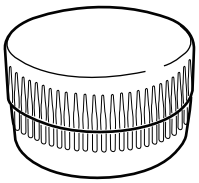
Shock oil
Dämpferöl



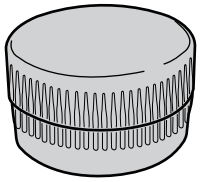

## EQUIPMENT INCLUDED — ENTHALTENES WERKZEUG — BAG P

RA1910
Hex wrench
Inbusschlüssel-Set

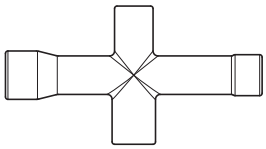


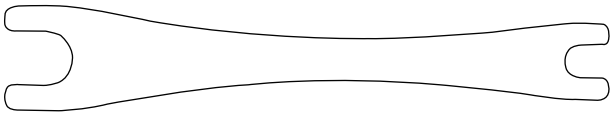
Differential Grease
Differential-Fett



Trust-Bearing Grease
Drucklager-Fett



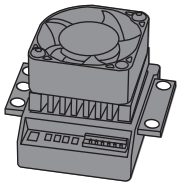
Cross wrench
Steckschlüssel



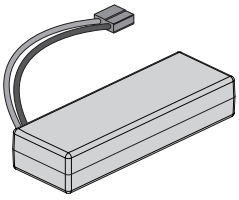
Turnbuckle Tool
Spurtstangen-Schlüssel

## EQUIPMENT REQUIRED — BENÖTIGTES ZUBEHÖR

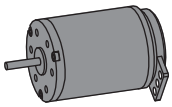
Brushless Speed Controller
Brushless Fahrtenregler



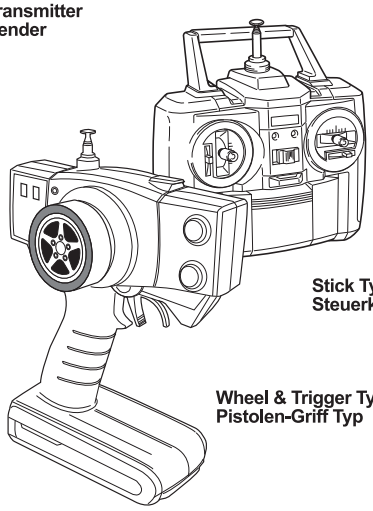
LiPo battery Pack 7,4V
LiPo Akku Pack 7,4V



Brushless Motor
Brushless Motor



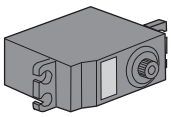
Transmitter
Sender



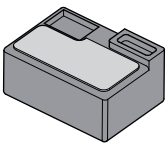
Stick Type
Steuerknüppel-Typ

Wheel & Trigger Type
Pistolen-Griff Typ

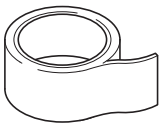
Steering Servo
Lenkservo



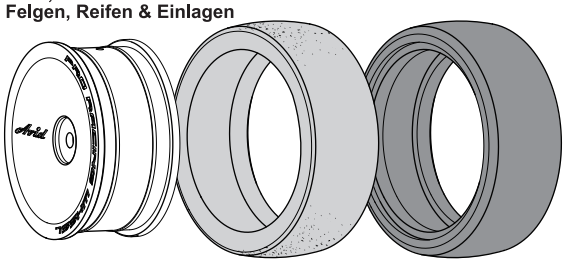
Receiver (small)
Empfänger (klein)



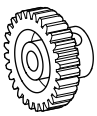
Double-sided tape
Doppelseitiges Klebeband



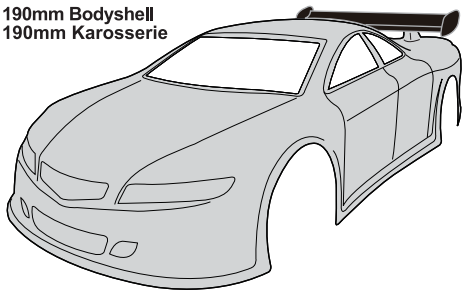
Rims, Tires & Inserts
Felgen, Reifen & Einlagen



Pinion Gear 48dp
Ritzel 48dp



190mm Bodyshell
190mm Karosserie



# 1 Suspension Arms

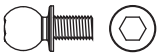
## BAG A



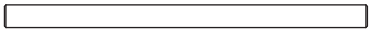
RA0500/4 X8
Ball end for lower arm shaft
Kugelkopf für Aufhängungsarm



RA0092 X8
Washer 2mm
Unterlegscheibe 2mm



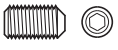
RA0095 X8
Ball end with socket M3x5mm
Kugelkopf M3x5mm



RA0089/1 X4
A-Arm-shaft long
Querlenkerstift lang



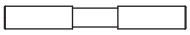
RA0106 X4
Set screw M3x3mm
M3x3mm Madenschraube



RA0108 X4
Set screw M4x8mm
Madenschraube M4x8mm

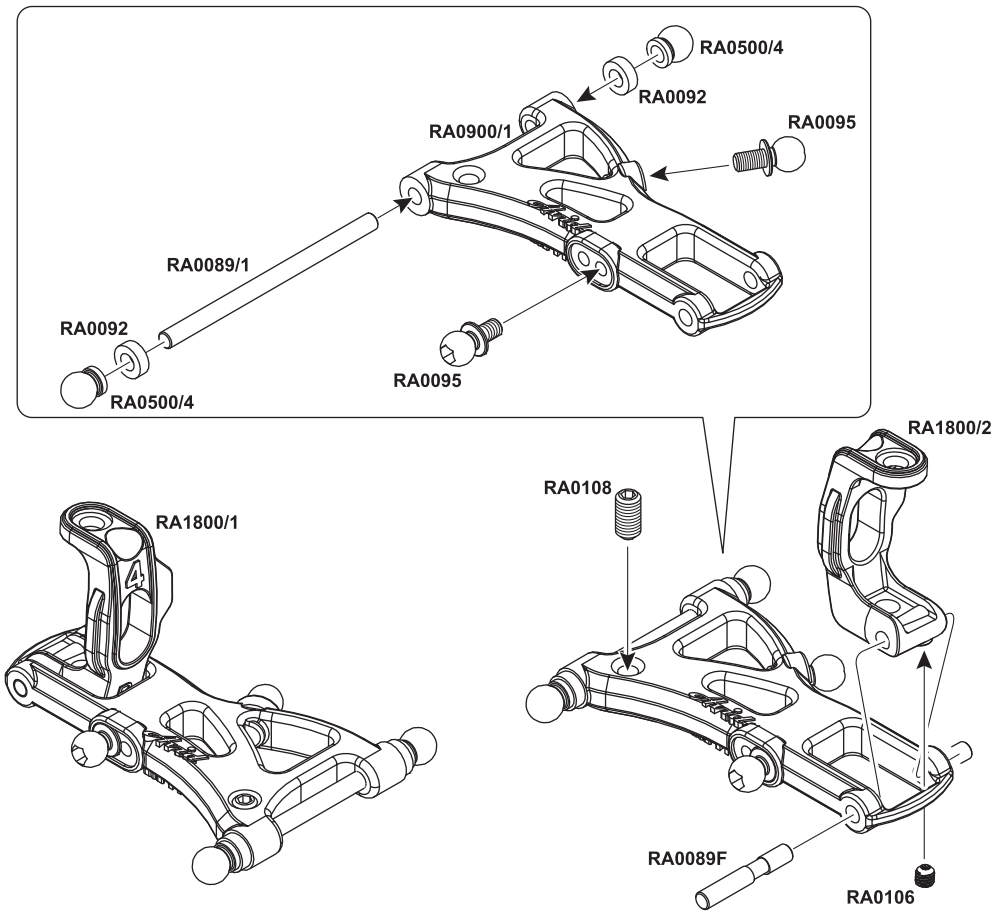


RA0089F X2
Lower arm-shaft, short, front
Querlenkerstift, kurz, vorne

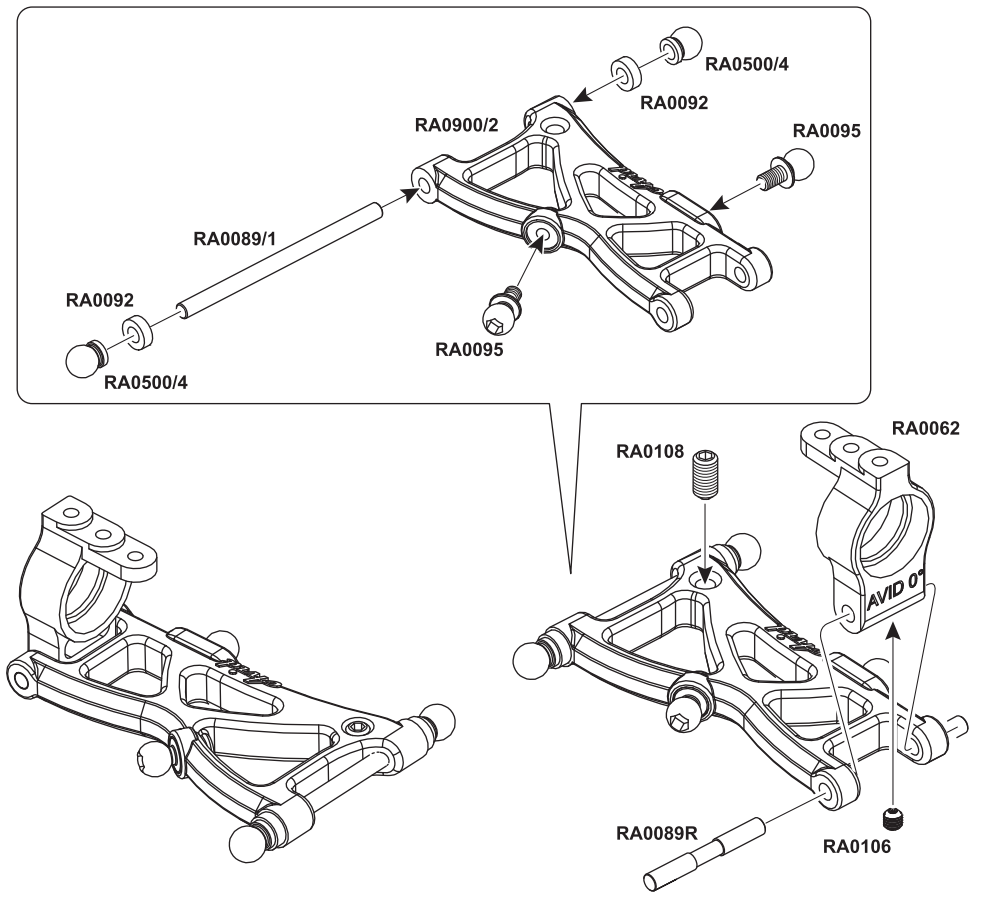


RA0089R X2
Lower arm-shaft, short, rear
Querlenkerstift, kurz, hinten

## 1 Front Right / Left

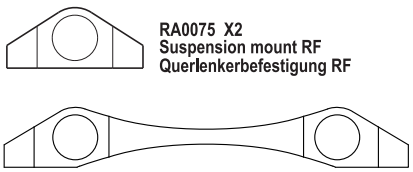



## 2 Rear Right / Left



# 1 Suspension Arms

**BAG B**



RA0075 X2
Suspension mount RF
Querlenkerbefestigung RF

RA0077 X2
Suspension mount 2° (FF, FR, RR)
Querlenkerhalter 2° (FF, FR, RR)



RA0113 X1
Suspension mount, FF, FR and RR, 3° toe-in
Querlenkerbefestigung, FF, FR und RR, 3° Vorspur

# 3 Front / Rear




RA0082 X2
Rollcenter-washer FR 1.5mm
Rollcenter-Scheibe FR 1,5mm

RA0084 X2
Rollcenter-plate RF 1.5mm
Rollcenter-Platte RF 1,5mm




RA2036 X10
M3X8mm F/H screw
M3x8mm Senkkopfschraube

RA0080 X2
Rollcenter-plate 1.5mm
Rollcenter-Platte 1,5mm

# 2 Steering Arms

**BAG D**

RA0036 X2
Washer for steering plate
Unterlegscheibe für Lenkplatte

RA0092 X2
Washer 2mm
Unterlegscheibe 2mm

RA0044 X2
Ball Bearing for Steering plate (3x6x2.5mm)
Kugellager für Lenkplatte (3x6x2,5mm)

RA0043 X4
Ball Bearing for steering arms 7x4x2.5mm
Kugellager für Lenkarme 7x4x2,5mm

RA0094 X2
Ball end with internal thread M3
Kugelkopf mit M3 Innengewinde

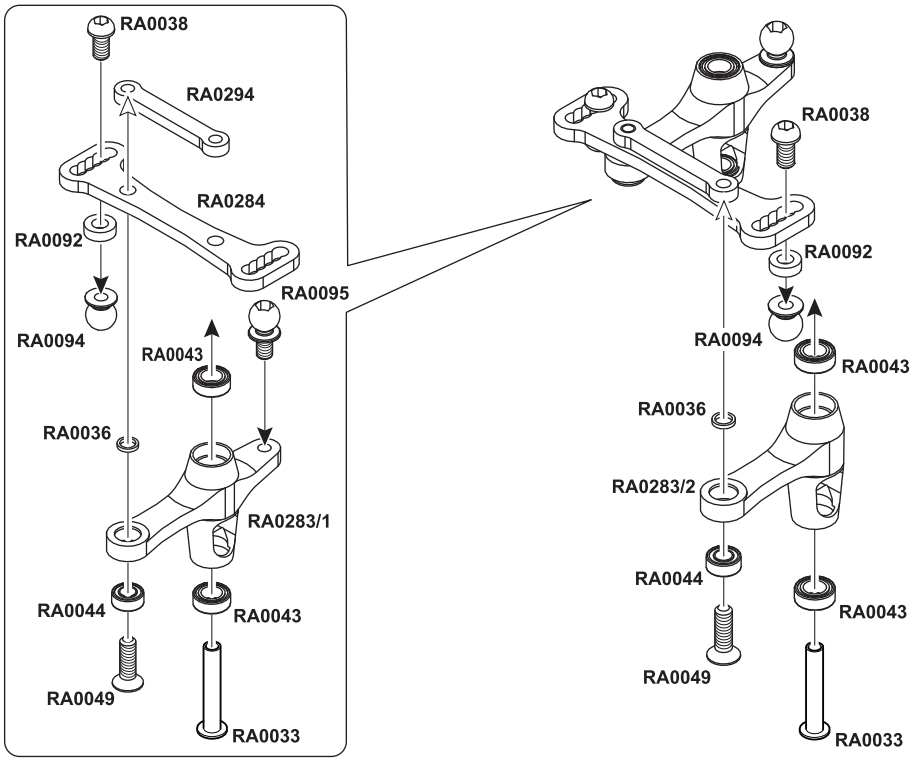
RA0095 X1
Ball end with socket M3x5mm
Kugelkopf M3x5mm

RA0049 X2
M3X10mm F/H screw
M3x10mm Senkkopfschraube

RA0038 X2
M3x6mm Screw
M3x6mm Rundkopfschraube

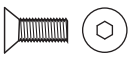
RA0033 X2
Axle for steering arm
Lenkarm-Achse

# 4



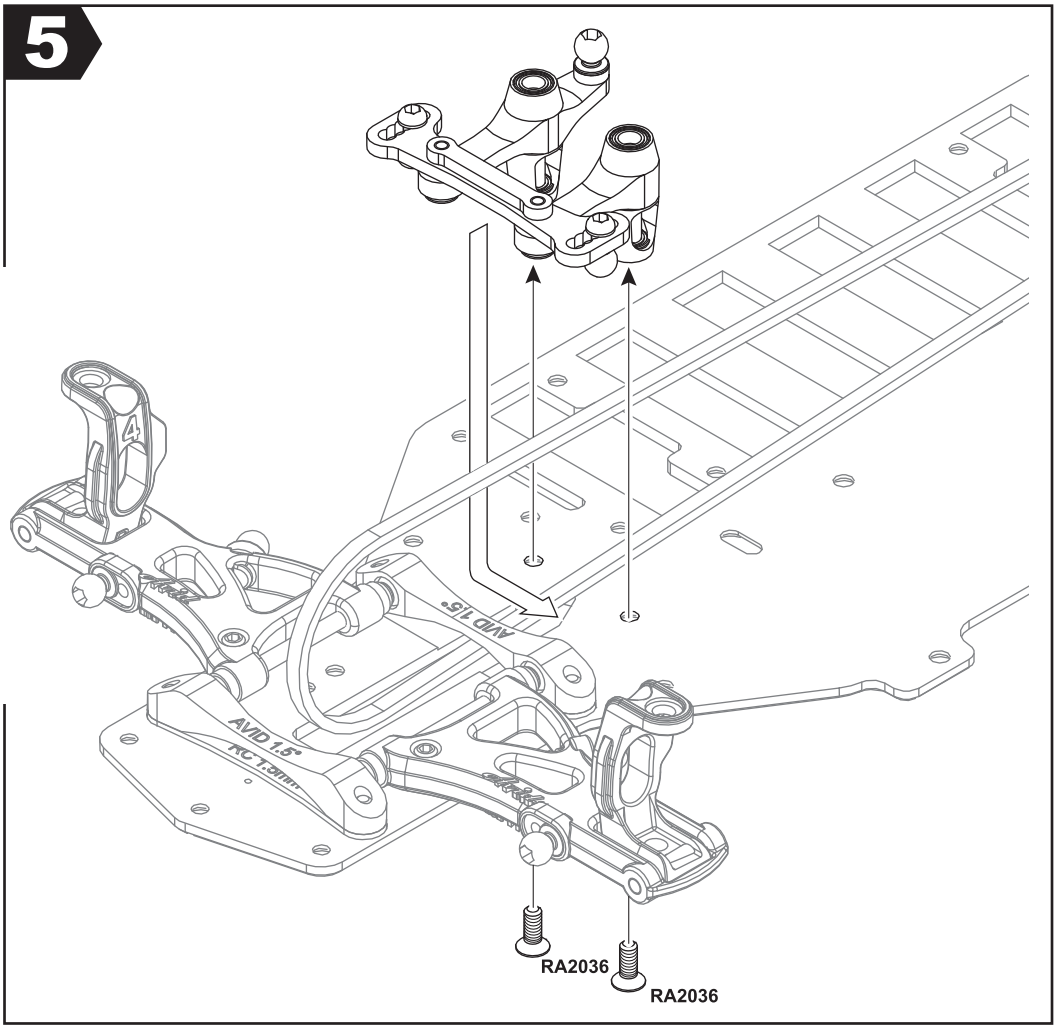
## 2 Steering Arms

**BAG D**



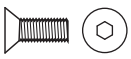
RA2036 X2
M3X8mm F/H screw
M3x8mm Senkkopfschraube

## 5



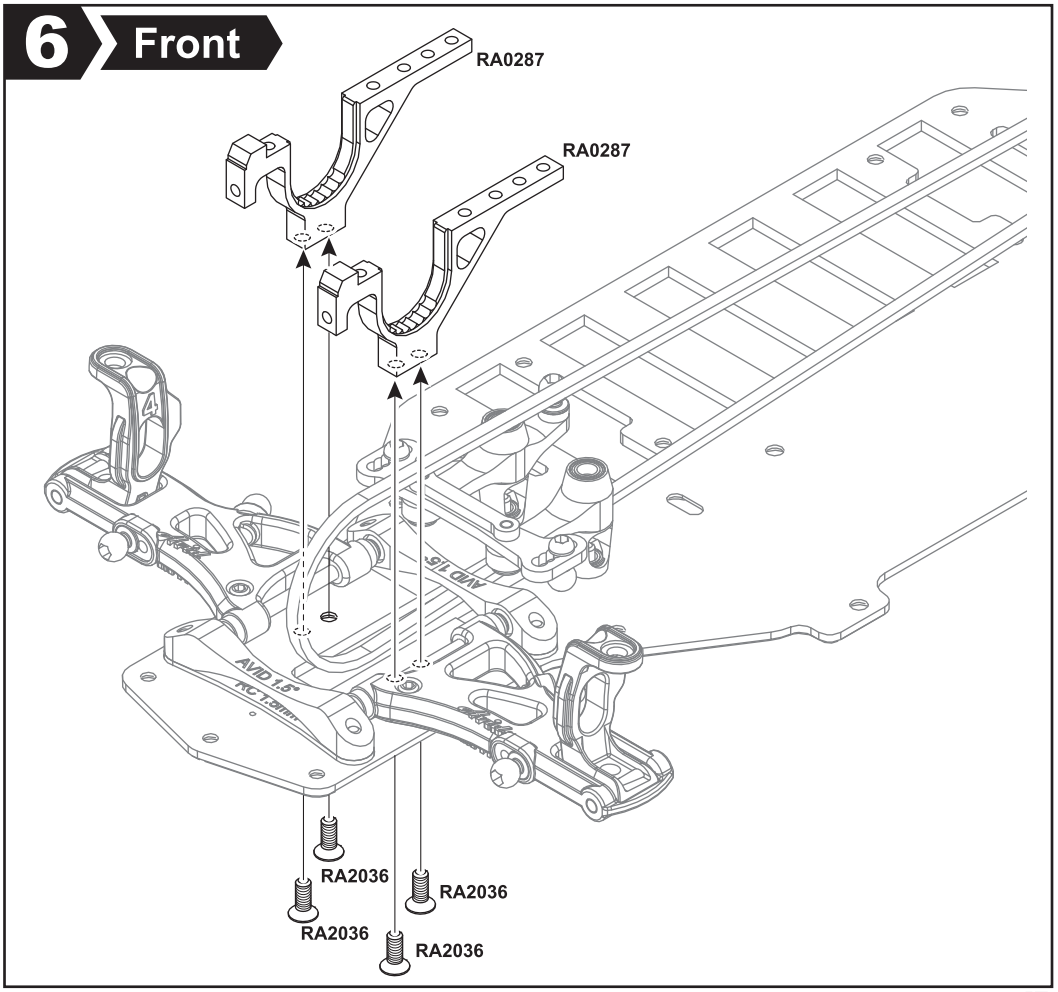

## 3 Front Gear

**BAG D**



RA2036 X4
M3X8mm F/H screw
M3x8mm Senkkopfschraube

## 6 Front



# 3 Front Gear

**BAG E**

RA0303 X2
Pin 2.5x10.8mm
Stift 2.5x10.8mm

RA0700/5 X2
Excenter for gearplates
Exzenter für Getriebe

RA0301/1 X2
Solid Axle CVD-Outdrive
Starrachse CVD-Mitnehmer

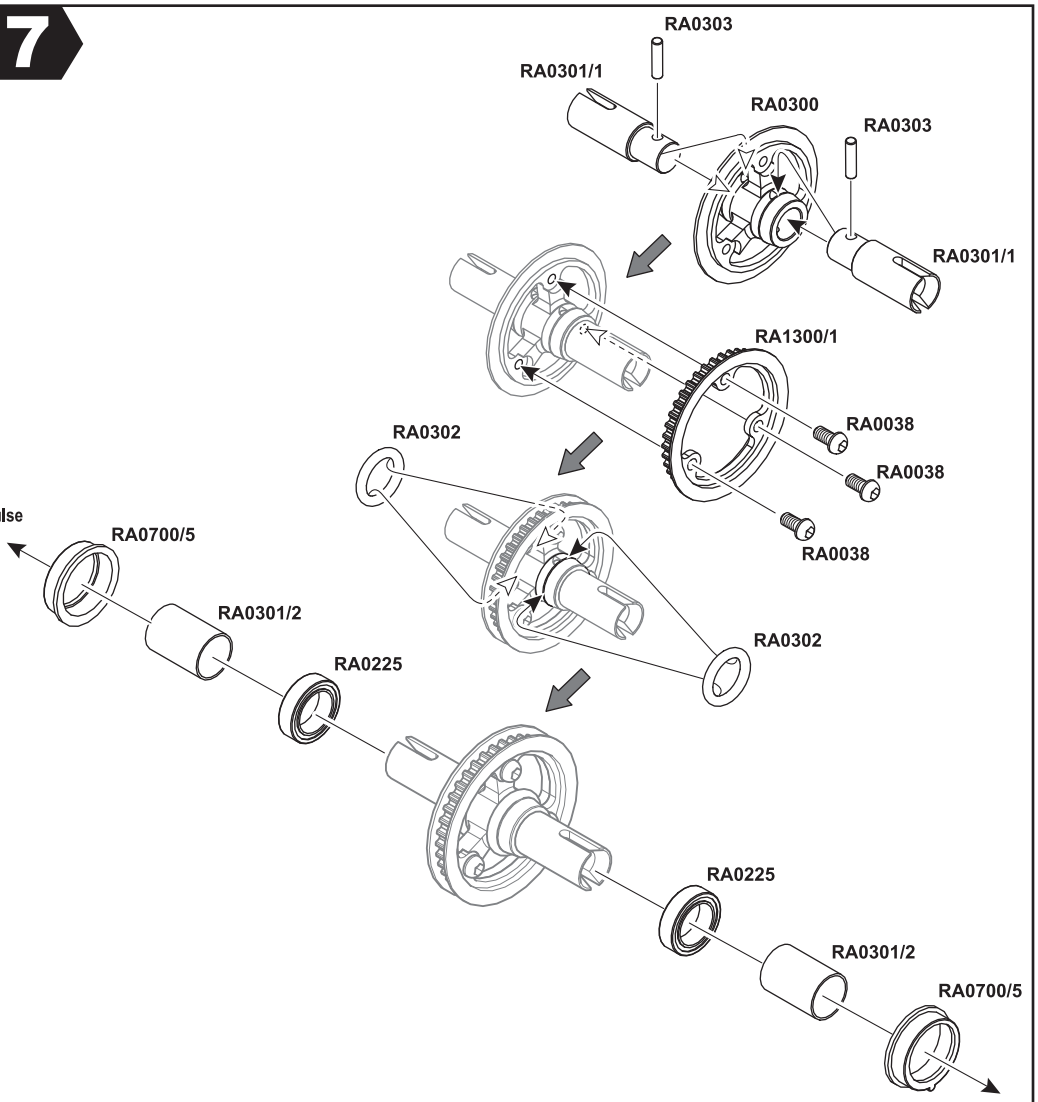
RA0301/2 X2
Solid Axle CVD-Carrier cover
Starrachse CVD-Mitnehmer Hülse

RA0302 X2
Solid Axle O-Ring
Starrachse O-Ring

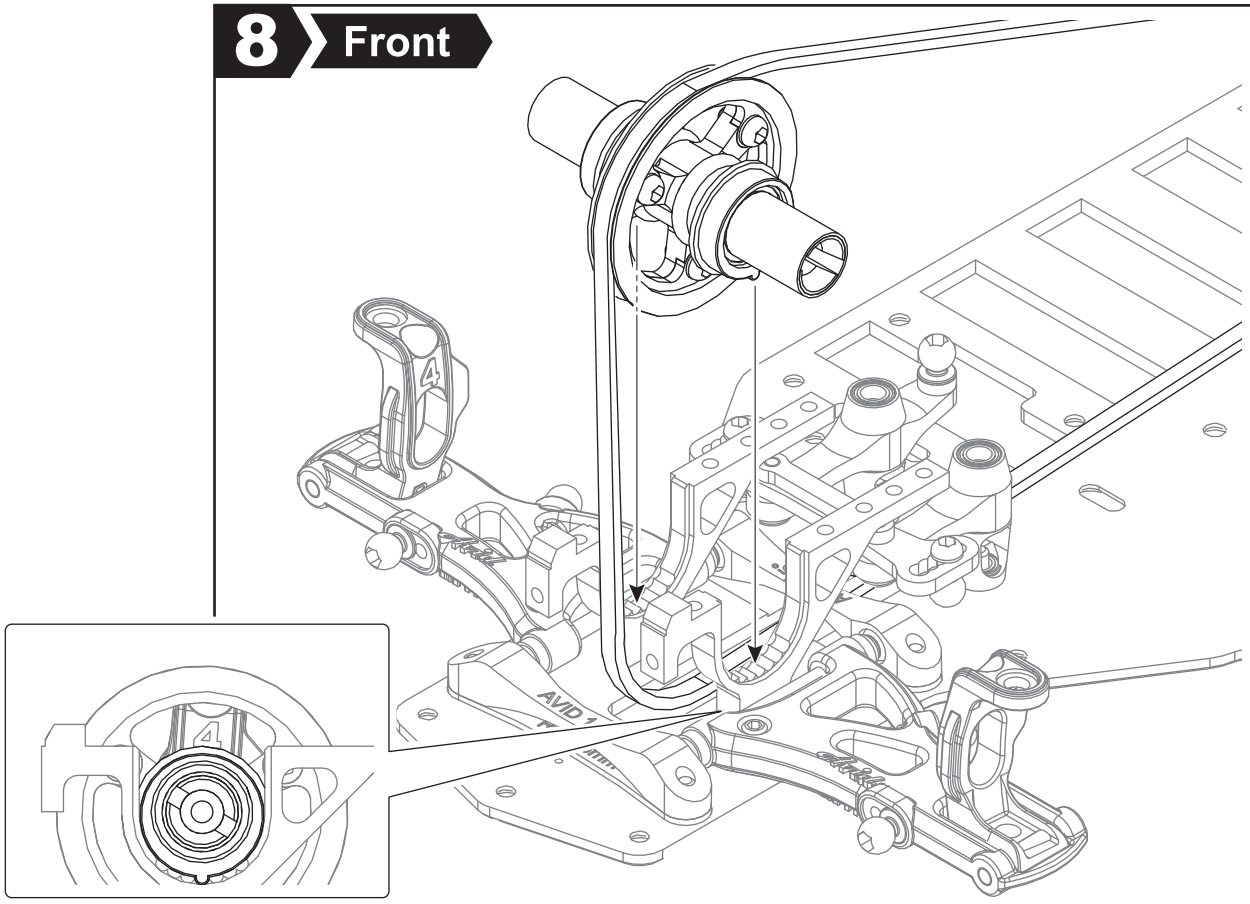
RA0225 X2
Ball bearing 15x10x4mm
Kugellager 15x10x4mm

RA0038 X3
M3x6mm Screw
M3x6mm Rundkopfschraube

## 7




## 8 Front

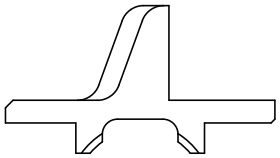


# 3 Front Gear

**BAG E**

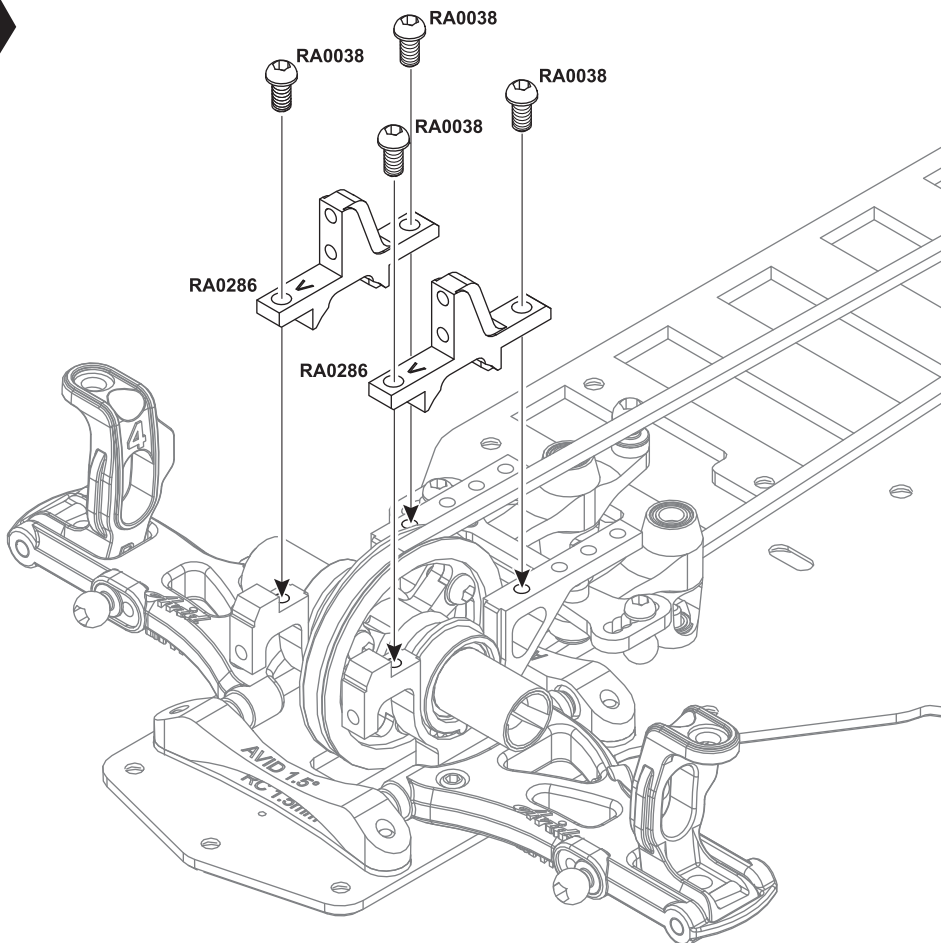


RA0038 X4
M3x6mm Screw
M3x6mm Rundkopfschraube



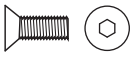
RA0286 X2
Front upper Bulkheads
Vordere obere Bulkheads

## 9




# 4 Rear Gear

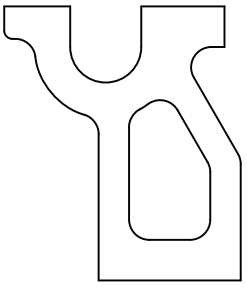
**BAG E**



RA2036 X9
M3X8mm F/H screw
M3x8mm Senkkopfschraube

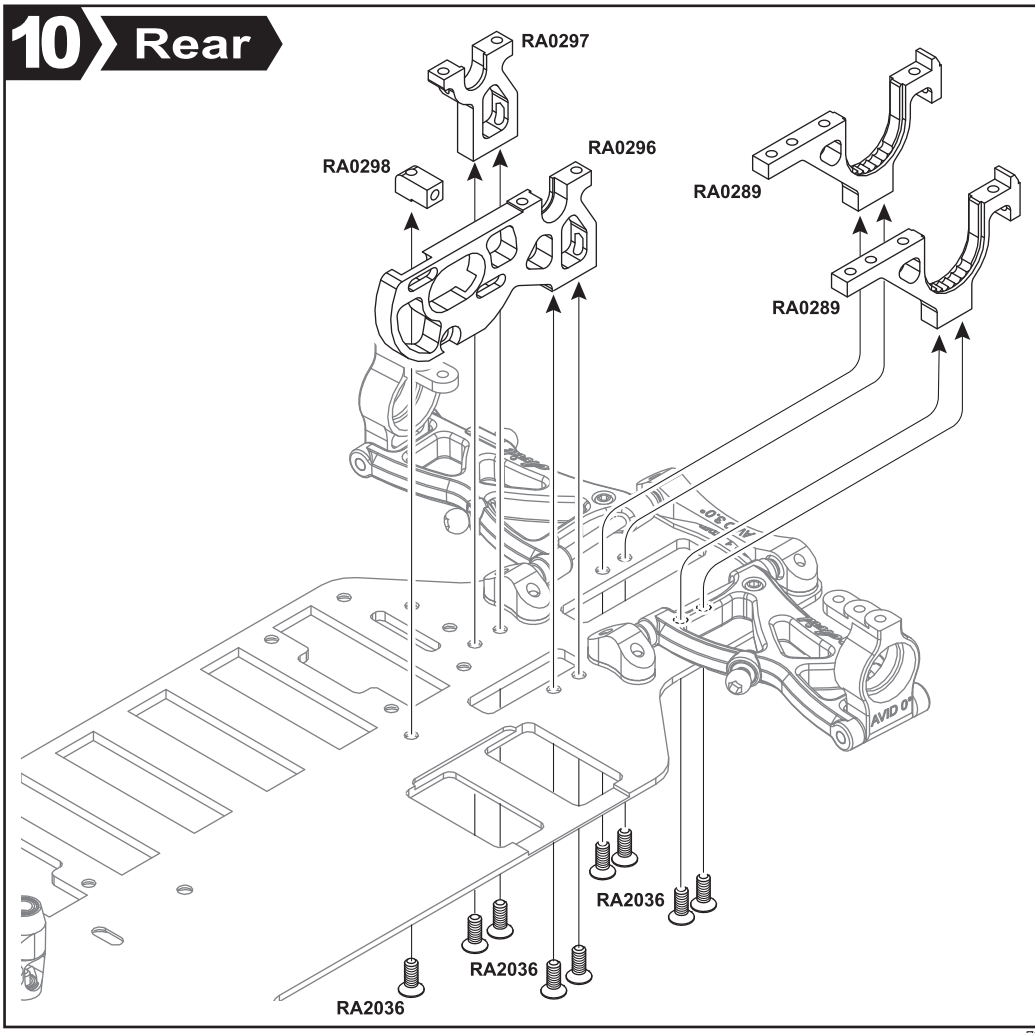


RA0298 X1
Motor Plate Chassis stiffener
Motorhalteplatte Chassisstrebe



RA0297 X1
Mid drive shaft mount
Mittelwellenhalter

## 10 Rear



# 5 Differential

## BAG F

RA0500/3 X1
Lock bushing for diff-srew
Differential-Schraubensicherung

RA0270/1 X1
Diff-outdrive right
Differential-Ausgang rechts

RA0270/2 X1
Diff-outdrive left
Differential-Ausgang links

RA0274 X2
Diff-washer
Differential-Scheibe

RA0279 X2
Diff ball bearing 8x5x3mm
Differential-Kugellager 8x5x3mm

RA0277/1 X1
C-clip for Differential
Sicherungsring für Differential

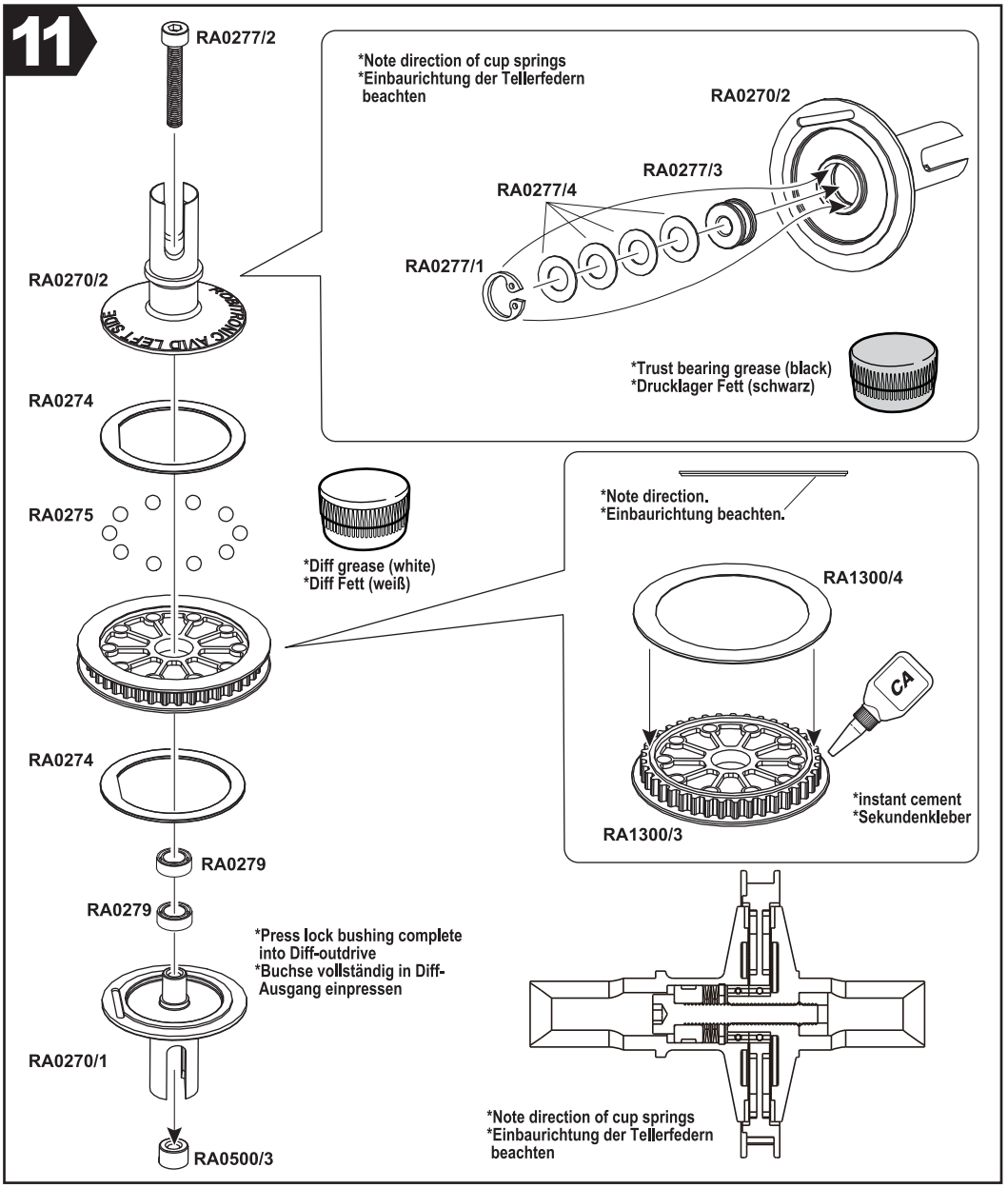
RA0277/3 X1
Differential trust bearing
Differential-Drucklager

RA0277/4 X4
Cup spring
Tellerfeder

RA0277/2 X1
M3x20mm socket head screw
M3x20mm Zylinderkopfschraube

RA0275 X10
Diff-ball, steel
Differential Kugel

## 11




# 6 Mid-Drive

## BAG G

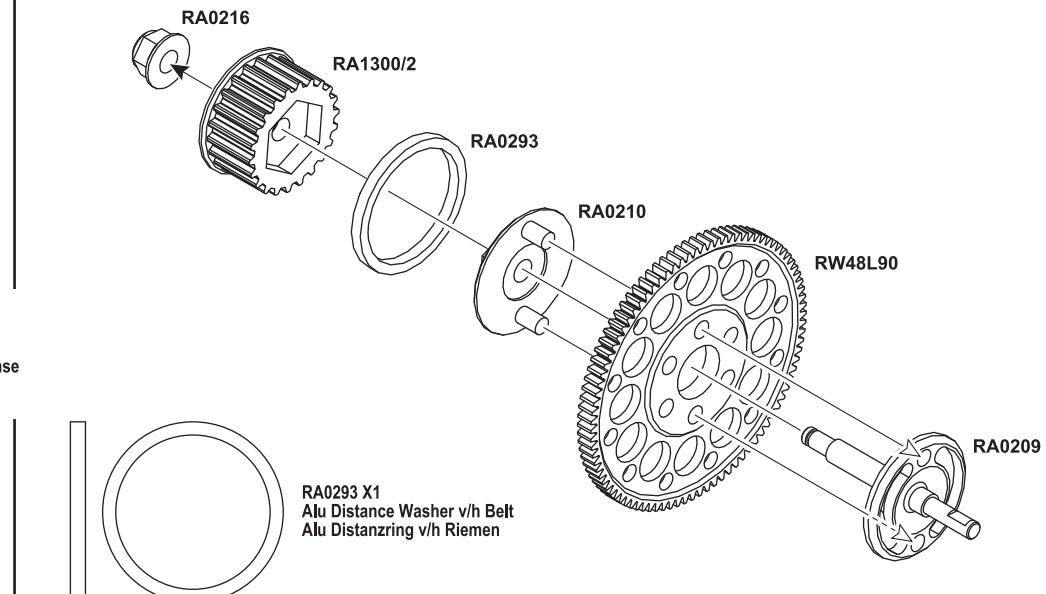
RA0216 X1
Lock nut M4
M4 Stopmutter

RA1300/2 X1
Belt pulley middle
Mittleres Riemenrad

RA0209 X1
Mid driveshaft
Mittelantriebs-Achse

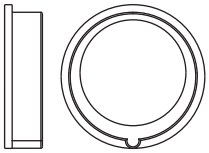
RA0210 X1
Spur gear adapter
Zahnrad-Adapter

## 12

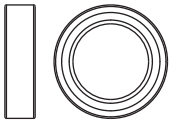


# 7 Rear Gear

## BAG H



RA0700/5 X2
Excenter for gearplates
Exzenter für Getriebe



RA0225 X2
Ball bearing 15x10x4mm
Kugellager 15x10x4mm



RA0214 X2
Ball bearing 8x3x4mm
Kugellager 8x3x4mm

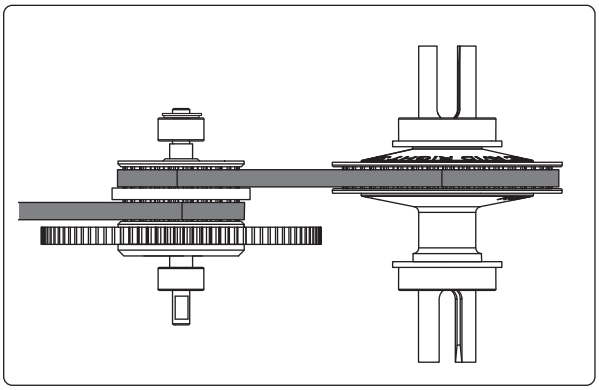


RA0215 X1
C-Clip 3mm
Sicherungsscheibe 3mm



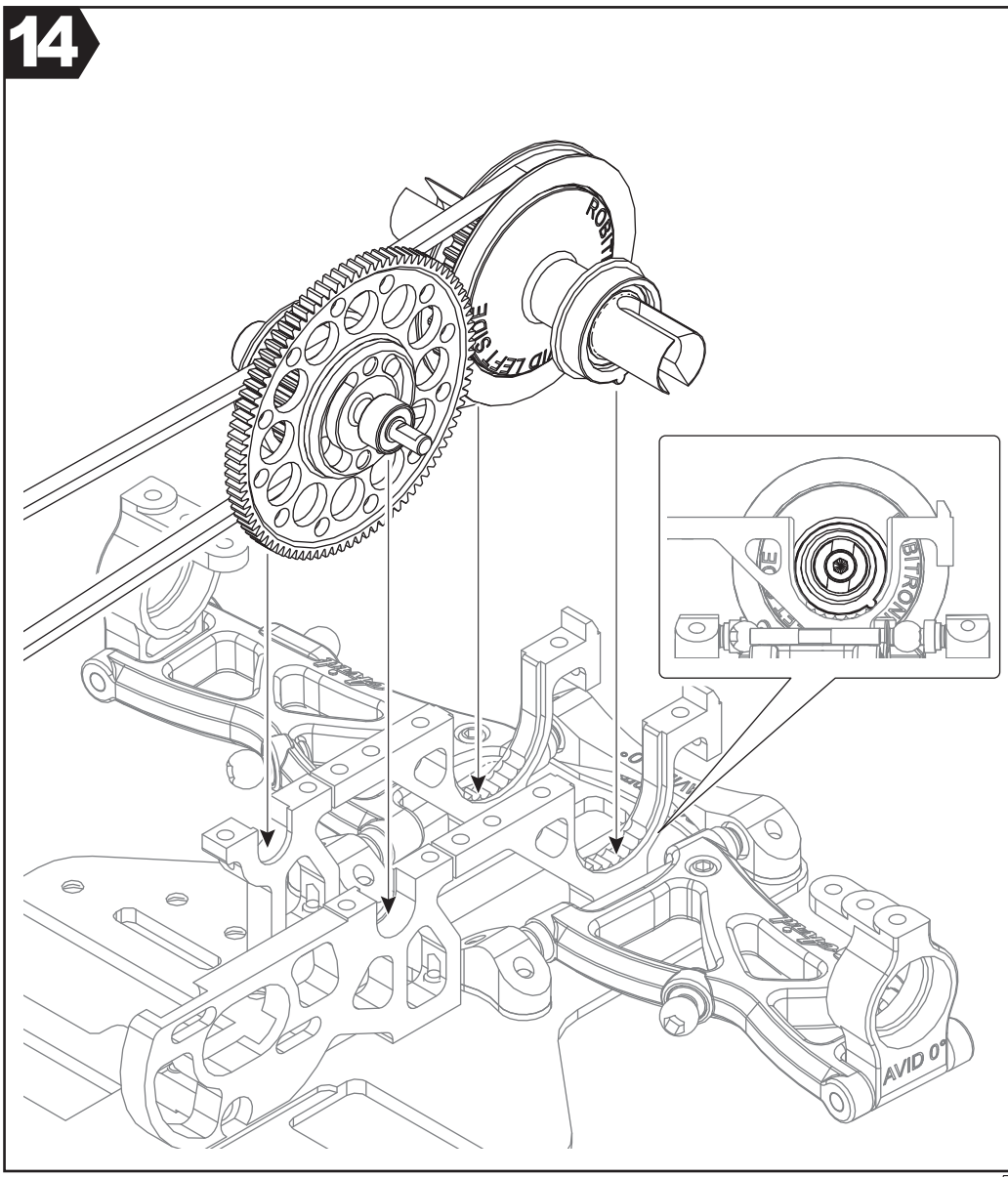
RA0093 X1
Aluminum Washer (3.2x6x1mm)
Alu Scheiben (3,2x6x1mm)

## 13






## 14

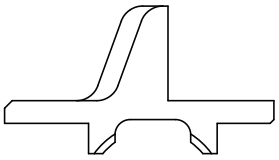


# 7 Rear Gear

## BAG H

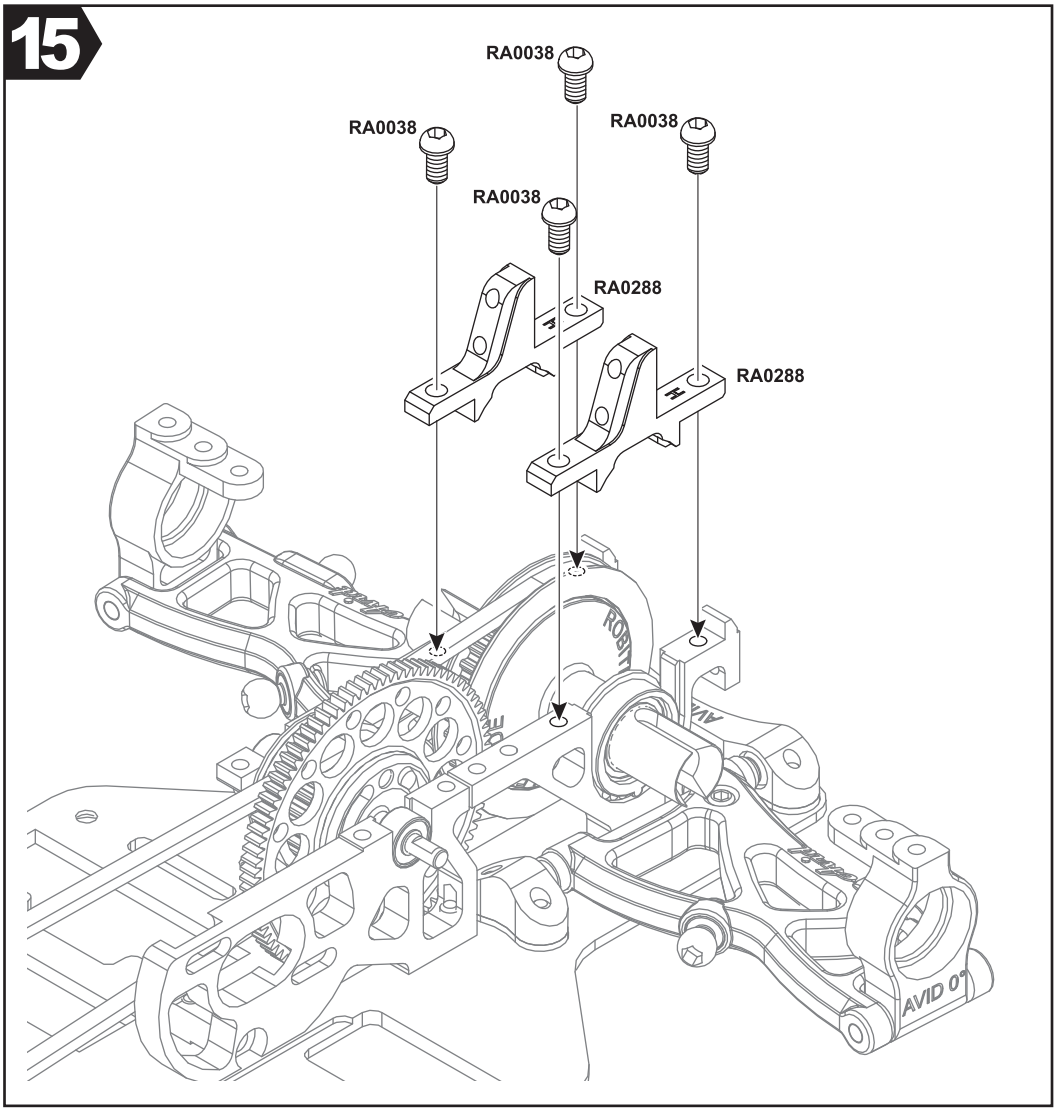


RA0038 X4
M3x6mm Screw
M3x6mm Rundkopfschraube

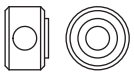


RA0288 X2
Rear upper Bulkheads
Hintere obere Bulkheads

## 15




## BAG H



RA0211 X1
End piece for mid driveshaft
Stellring für Mittelantriebs-Achse

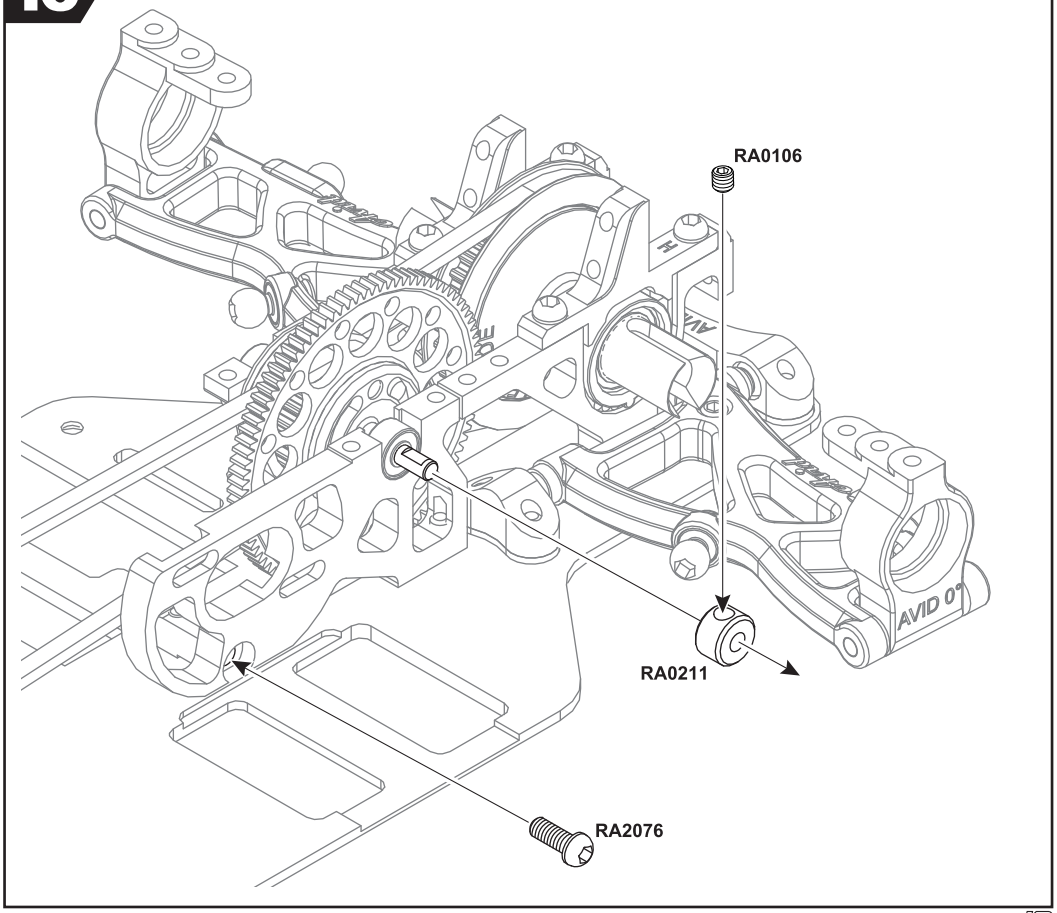


RA2076 X1
M3x8mm Screw
M3x8mm Rundkopfschraube



RA0106 X1
Set screw M3x3mm
M3x3mm Madenschraube

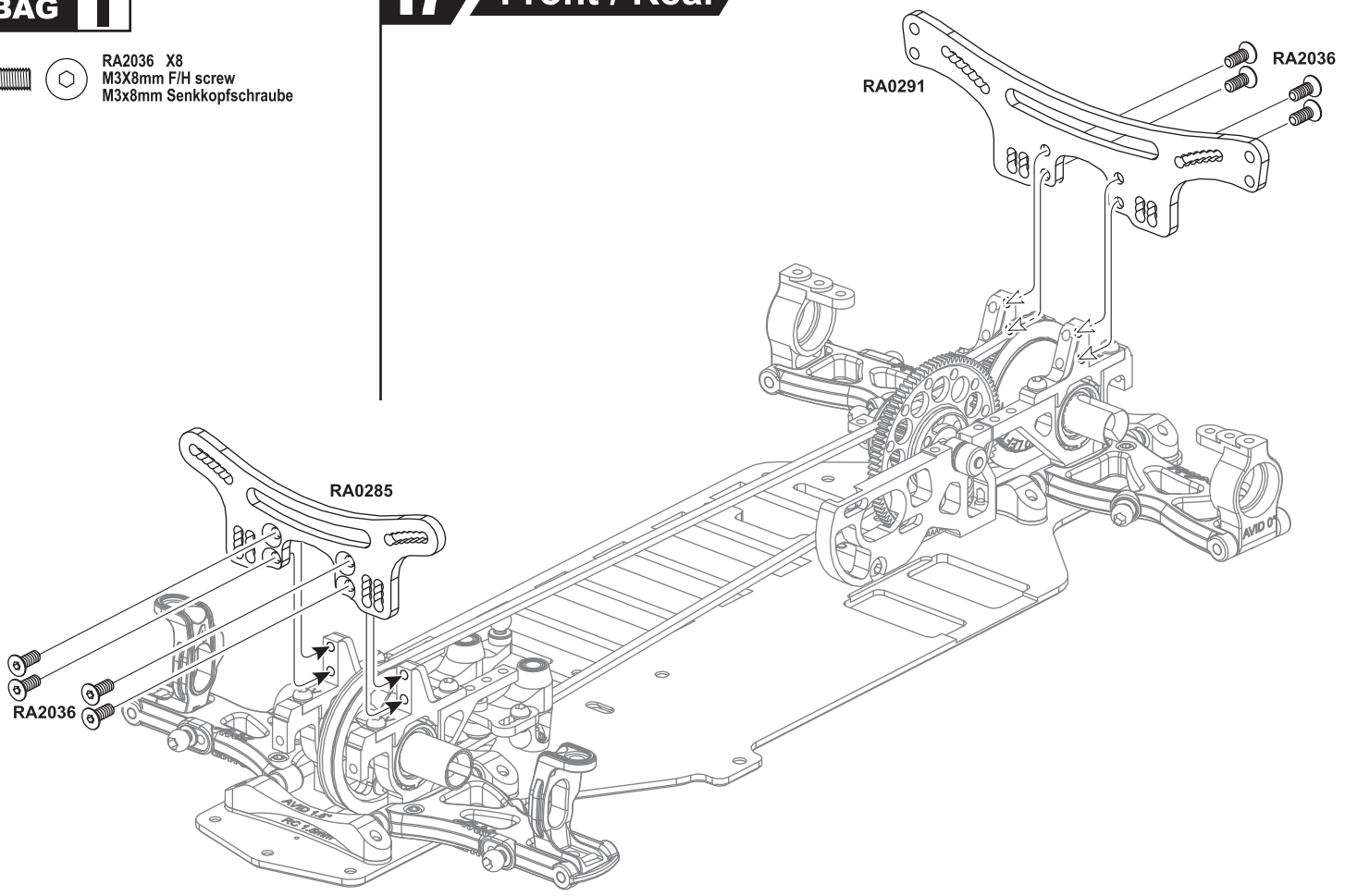
## 16



## 17 Front / Rear

**BAG I**

RA2036 X8
M3X8mm F/H screw
M3x8mm Senkkopfschraube



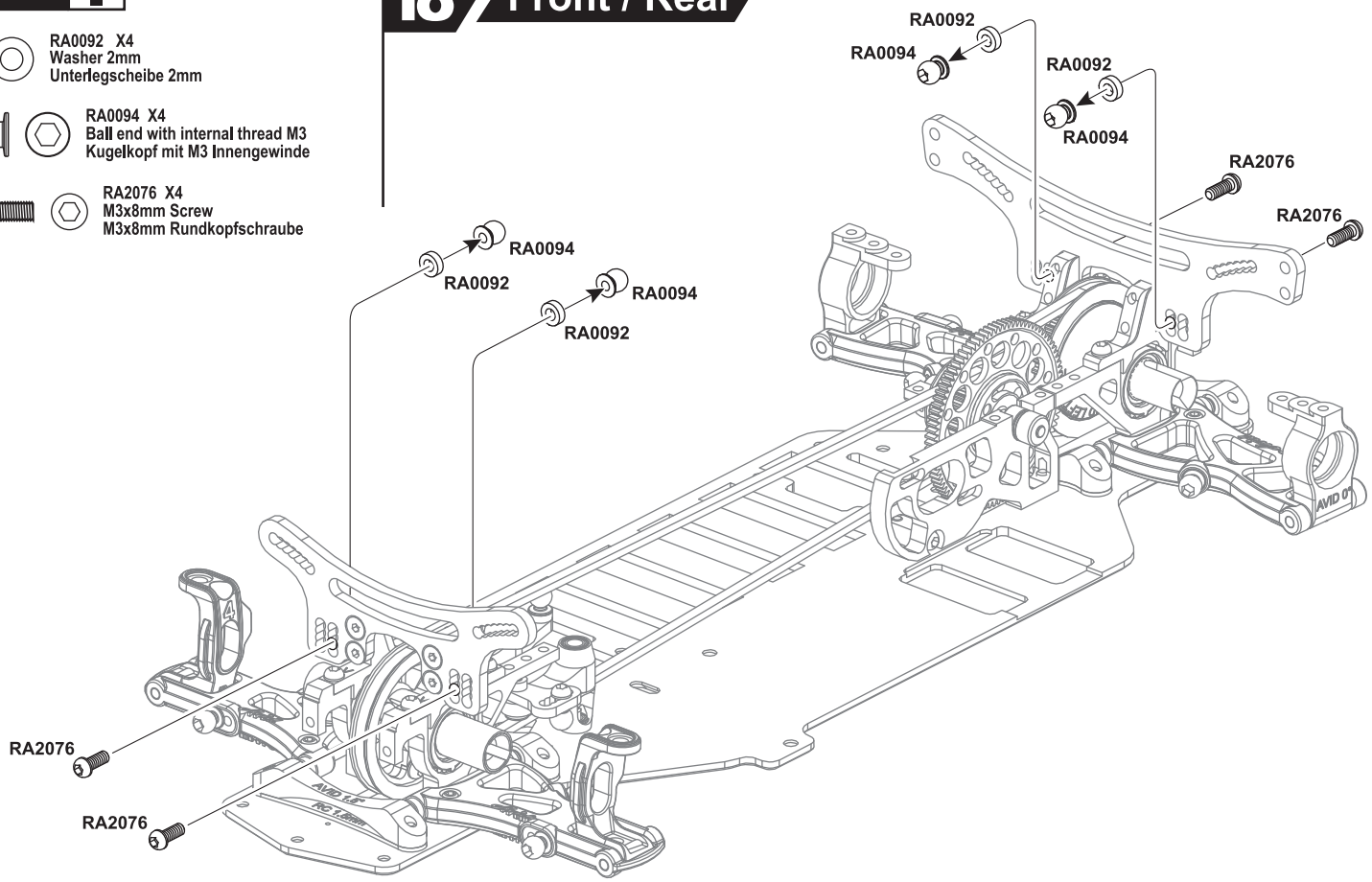

## 18 Front / Rear

**BAG I**

RA0092 X4
Washer 2mm
Unterlegscheibe 2mm

RA0094 X4
Ball end with internal thread M3
Kugelkopf mit M3 Innengewinde

RA2076 X4
M3x8mm Screw
M3x8mm Rundkopfschraube



# 8 Chassis

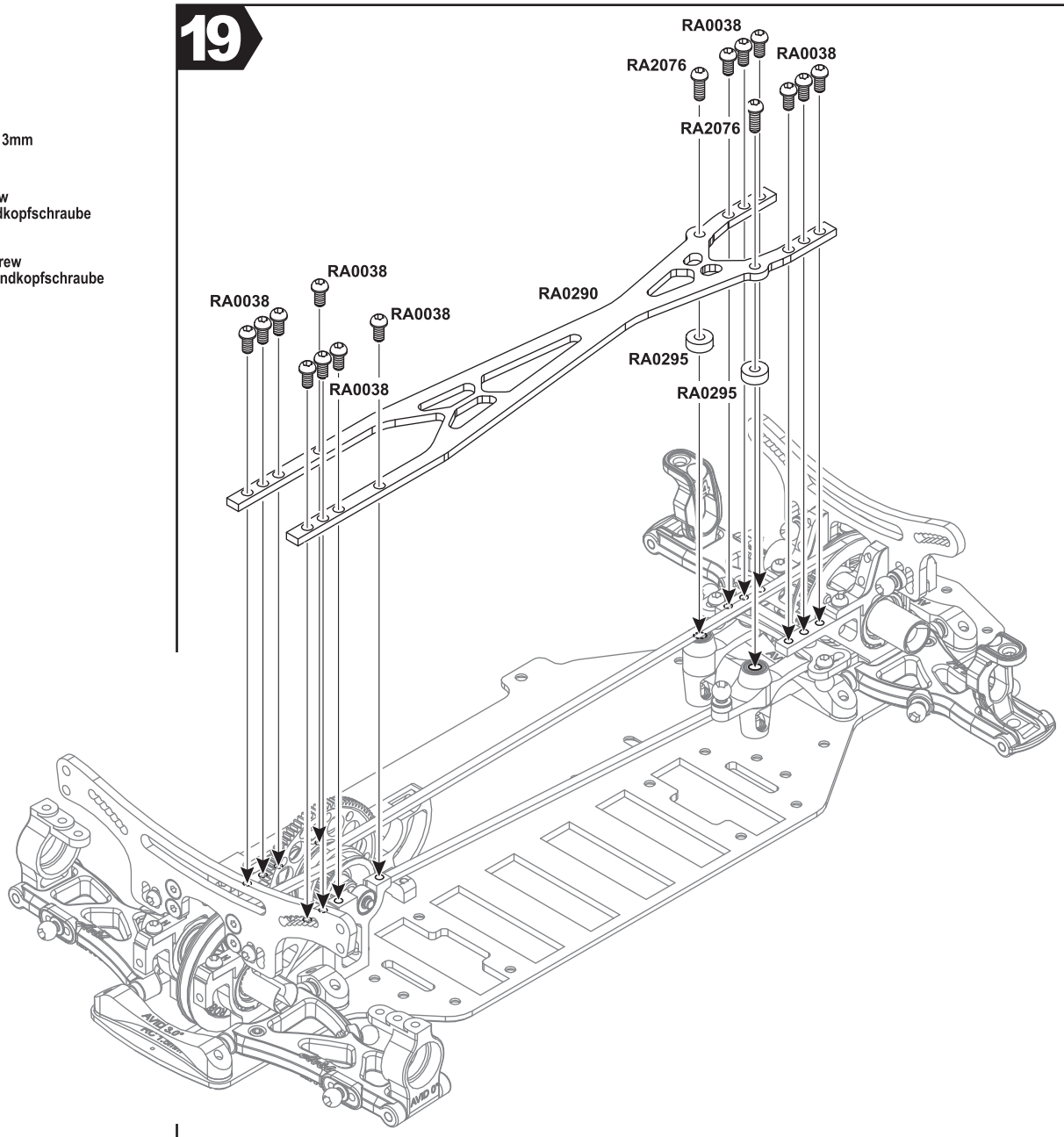
## BAG I

RA0295 X2
Washer 3mm
Unterlegscheibe 3mm

RA0038 X14
M3x6mm Screw
M3x6mm Rundkopfschraube

RA2076 X2
M3x8mm Screw
M3x8mm Rundkopfschraube

## 19




# 9 Axle & Driveshaft

## BAG J

RA0227 X4
Bushing for driveshaft-pin
Buchse für Antriebskardan

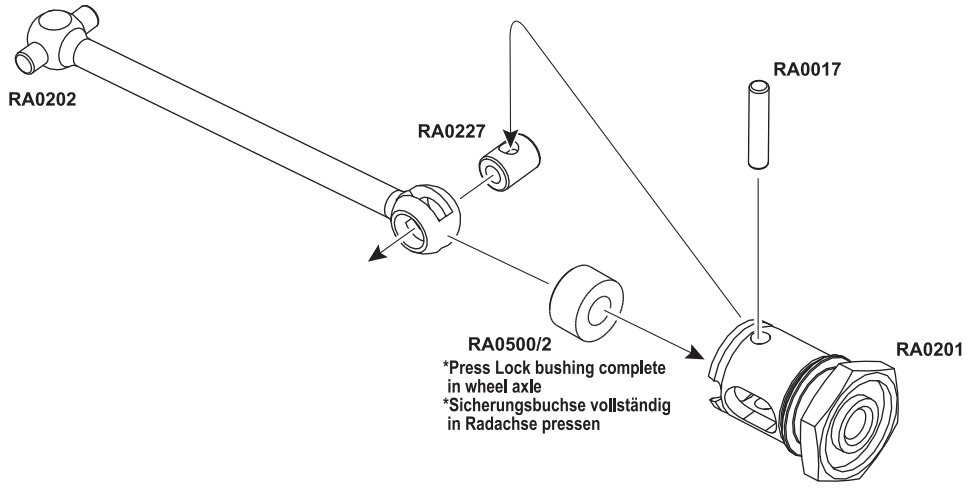
RA0500/2 X4
Lock bushing
Radachsen-Schraubensicherung

RA0017 X4
Pin 2x10mm
Stift 2x10mm

RA0201 X4
Wheel axle
Radachse

RA0202 X4
Driveshaft
Antriebskardan

## 20 x4

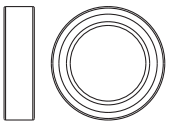


# 9 Axle & Driveshaft

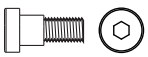
## BAG K



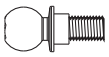
RA1200 X2
Blade
Blade



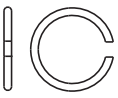
RA0225 X8
Ball bearing 15x10x4mm
Kugellager 15x10x4mm



RA0109/1 X2
Lower kingpin
Unterer Kingpin

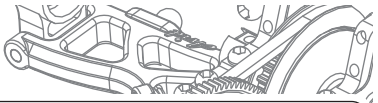


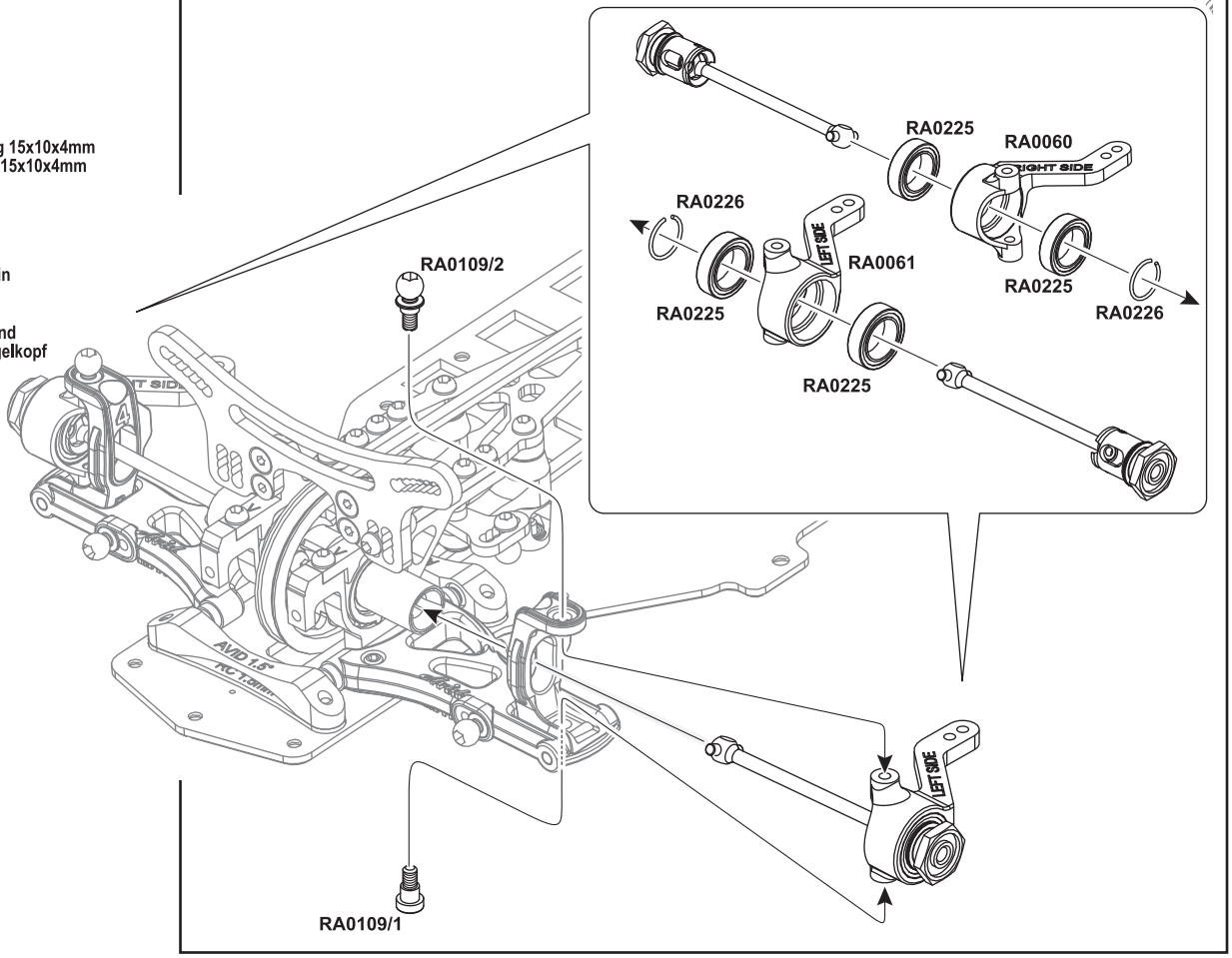
RA0109/2 X2
Upper kingpin ballend
Oberer Kingpin-Kugelkopf



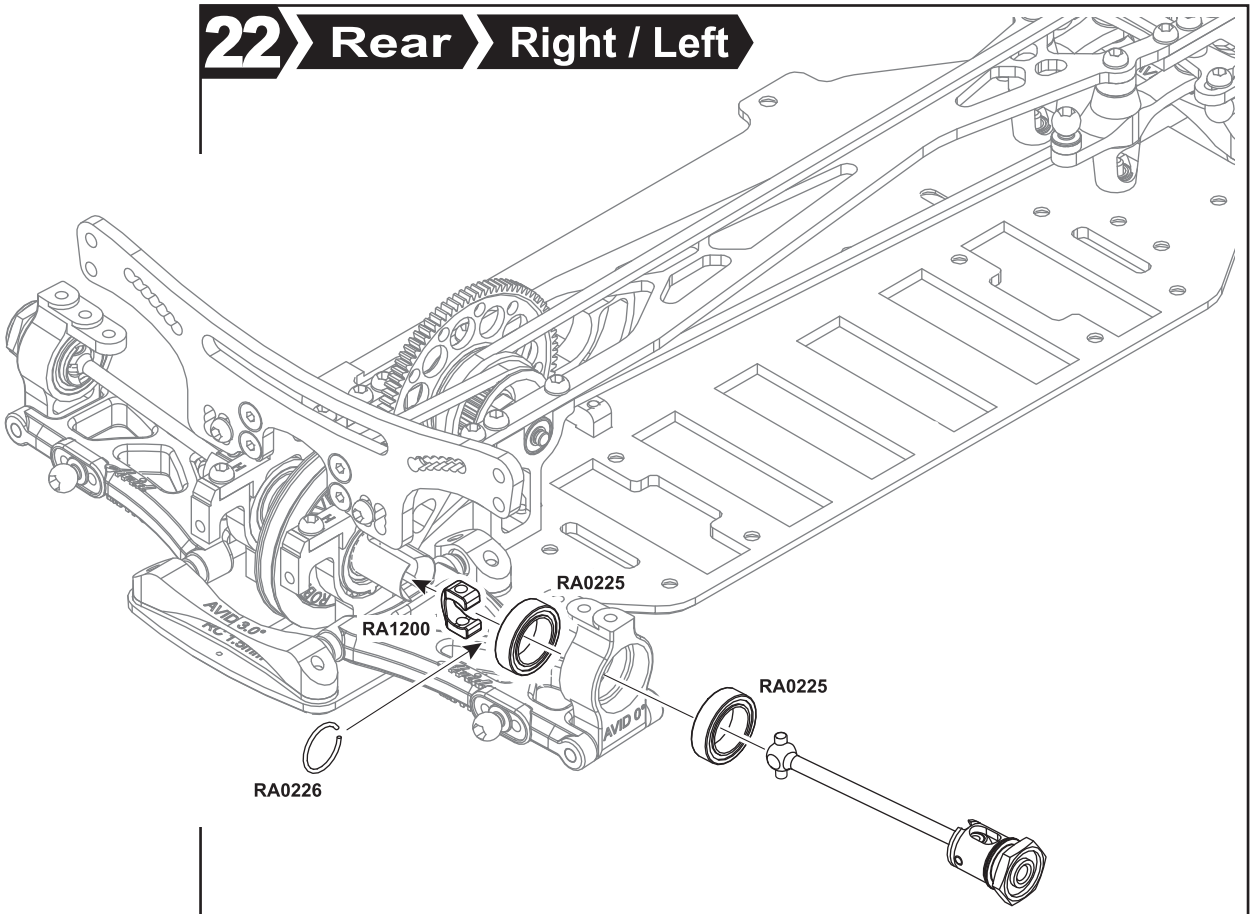
RA0226 X4
Snap-ring for wheel axles
Sprengring für Radachse

## 21 Front Right / Left






## 22 Rear Right / Left



# 10 Ball Ends

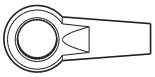
## BAG L



RA0095 X4
Ball end with socket M3x5mm
Kugelkopf M3x5mm



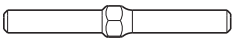
RA0092 X2
Washer 2mm
Unterlegscheibe 2mm



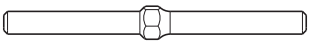
RA0600/2 X14
Ball end
Kugelkopf



RA1002 X2
Tie rod for steering 26mm
Spurstange für Lenkung 26mm



RA1003 X4
Tie rod for suspension 30mm
Spurstange für Aufhängung 30mm

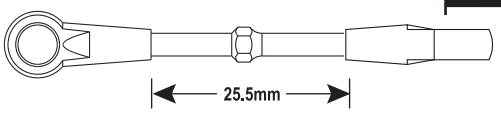


RA1001
Tie rod for servo 40mm
Spurstange für Lenkservo 40mm

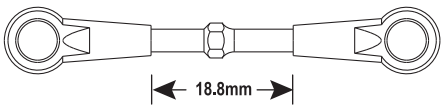
## 23 Front / Rear



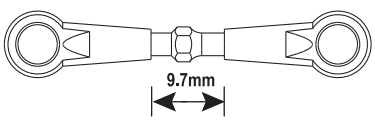

## BAG L




Servo rod (RA1001)
Spurstange für Lenkservo (RA1001)

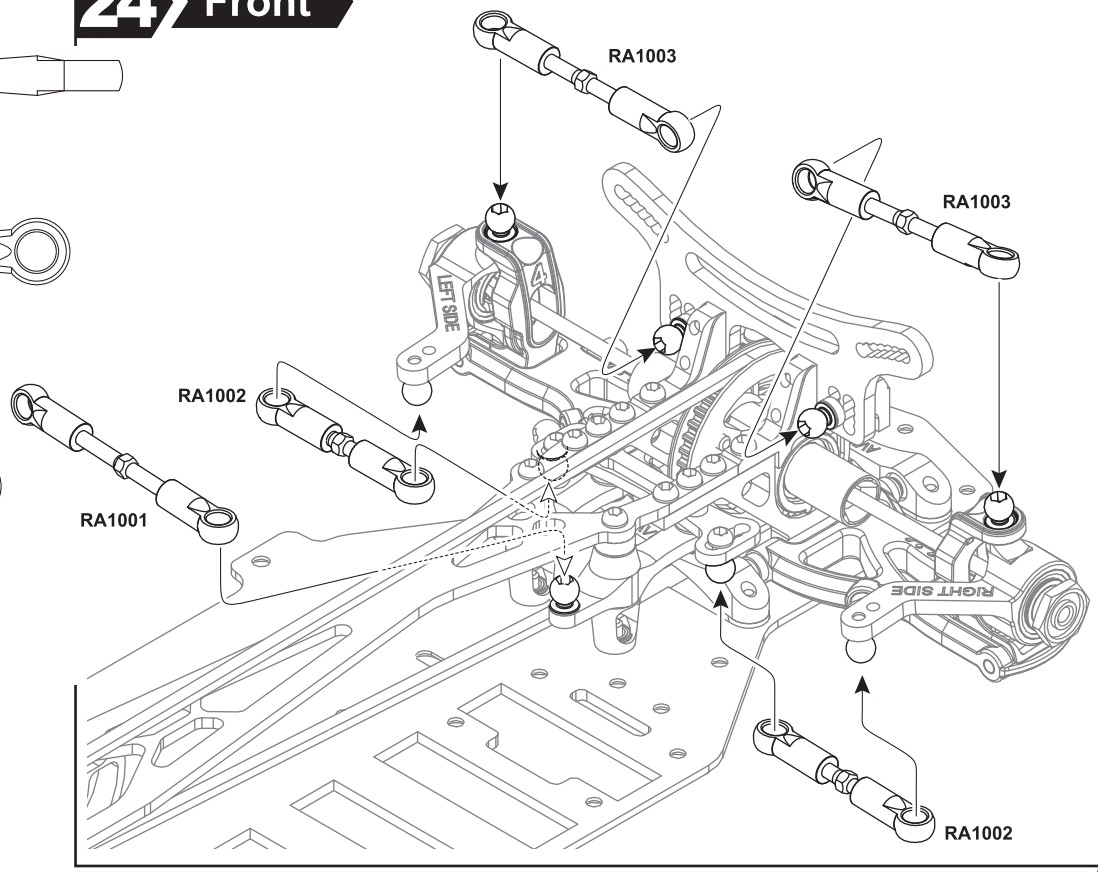



Front suspension rod (RA1003) X2
Spurstange für vordere Aufhängung (RA1003)



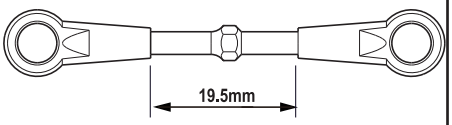

Steering rod (RA1002) X2
Spurstange für Lenkung (RA1002)

## 24 Front



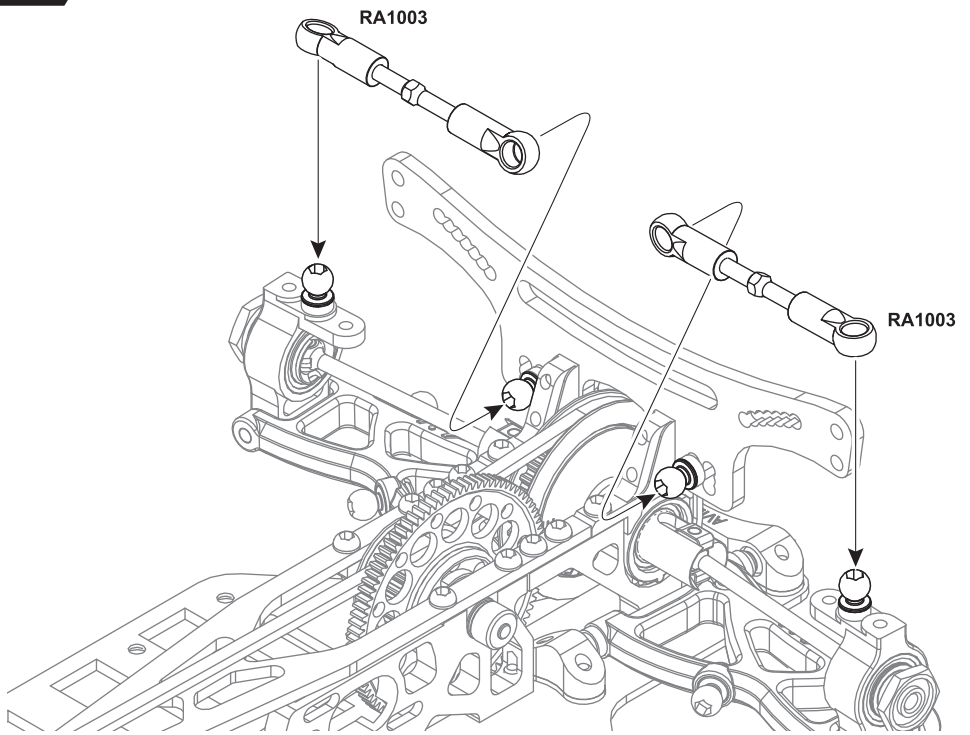
# 10 Ball Ends

## BAG L




Rear suspension rod (RA1003) X2
Spurstange für hintere Aufhängung

## 25 Rear




## BAG L



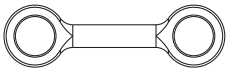
RA0281 X2
Ball end anti rollbar
Kugelkopf für Stabilisator



RA0304 X2
Sway Bar Collar
Stabilisator Stellring



RA2076 X2
M3x8mm Screw
M3x8mm Rundkopfschraube



RA0600/1 X2
Anti rollbar rod
Stabilisator-Spurstange

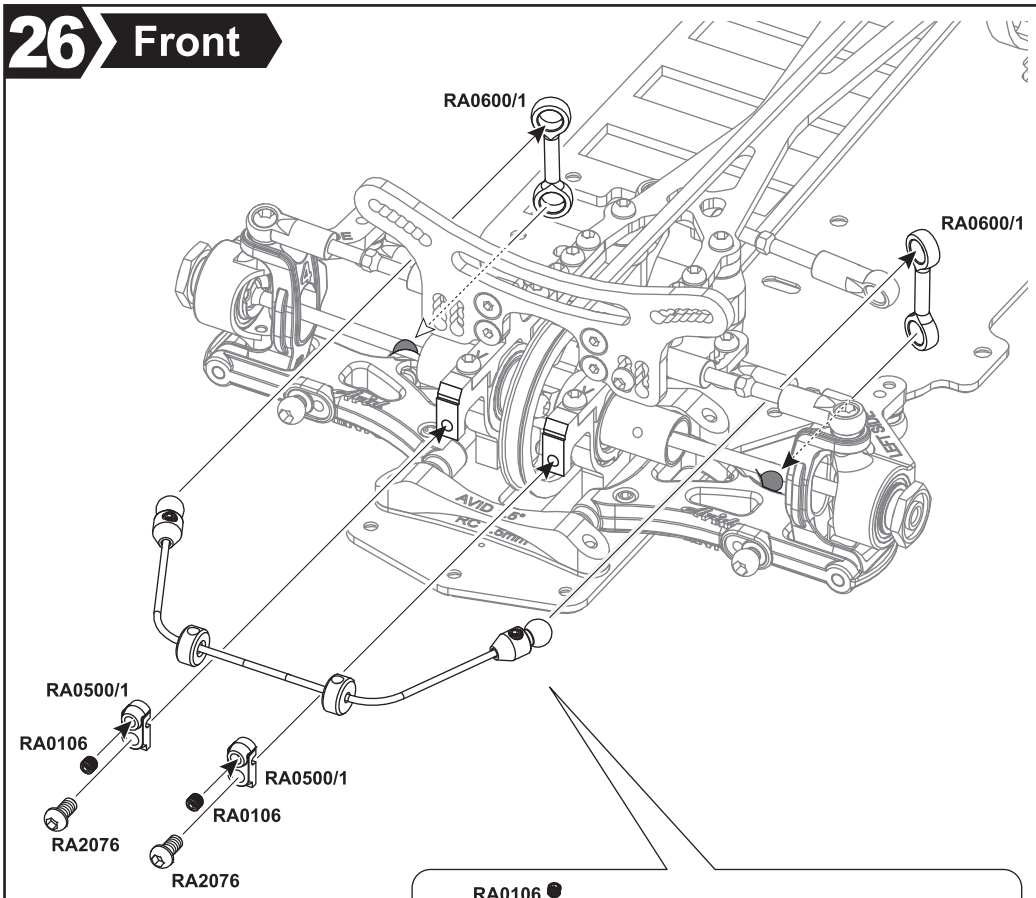


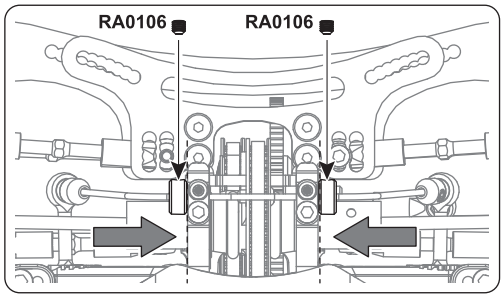
RA0106 X6
Set screw M3x3mm
M3x3mm Madenschraube

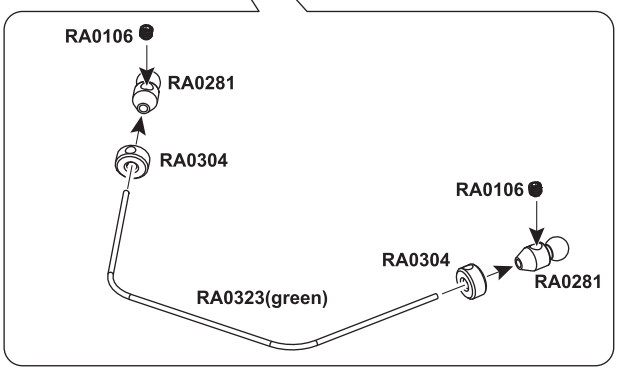


RA0500/1 X2
Anti rollbar fastening
Stabilisator-Befestigung

## 26 Front

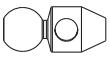


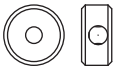



# 10 Ball Ends

## BAG L



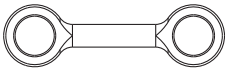
RA0281 X2
Ball end anti rollbar
Kugelkopf für Stabilisator



RA0304 X2
Sway Bar Collar
Stabilisator Stellring



RA2076 X2
M3x8mm Screw
M3x8mm Rundkopfschraube



RA0600/1 X2
Anti rollbar rod
Stabilisator-Spurstange

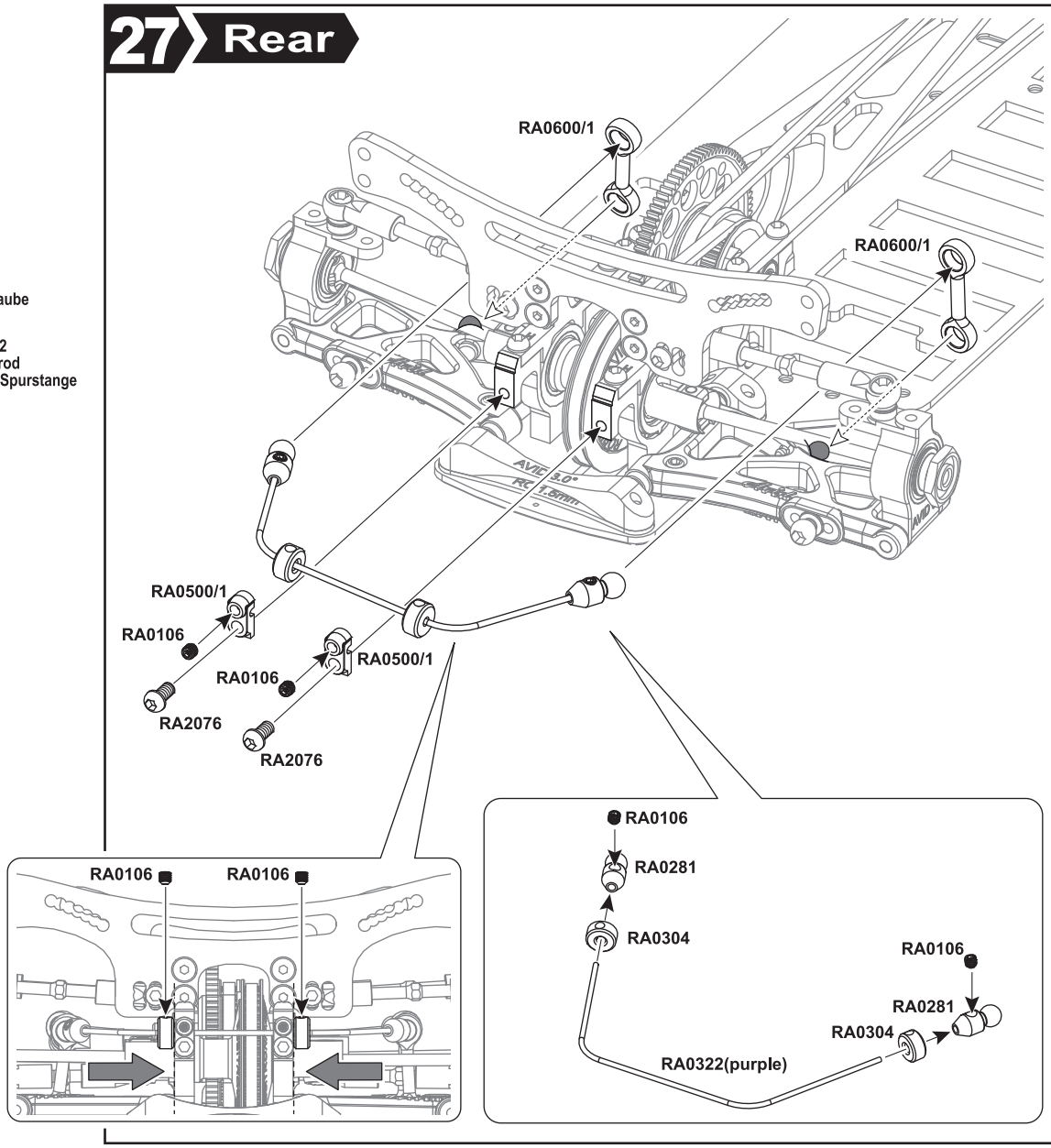


RA0106 X6
Set screw M3x3mm
M3x3mm Madenschraube



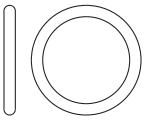
RA0500/1 X2
Anti rollbar fastening
Stabilisator-Befestigung

# 27 Rear




# 11 Shocks

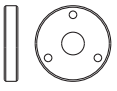
## BAG M



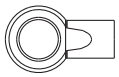
RA0156/2 X4
O-ring adjust nut
O-Ring für Einstellmutter



RA0156/1 X8
O-ring
O-Ring



RA1100/5 X4
Piston 3-holes
Kolbenplatte 3-Loch



RA0600/3 X4
Lower ball end for shock
Unterer Kugelkopf für Stoßdämpfer

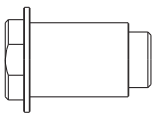


RA0215 X8
C-clip 3mm
Sicherungsscheibe 3mm



RA1100/2 X4
End washer for seal
Abschluß-Scheibe für Dichtung

# 28 x4



RA0152/2 X4
Shock body
Stoßdämpfergehäuse



RA0152/3 X4
Lower shock cap
Untere Stoßdämpferkappe



RA1100/1 X4
Washer for o-ring
Scheibe für O-Ring





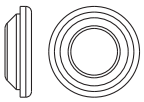

RA0152/4 X4
Adjust nut
Einstellmutter



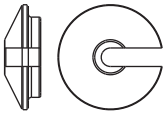
RA0158 X4
Shock shaft
Kolbenstange

# 11 Shocks

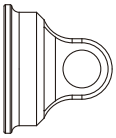
## BAG M



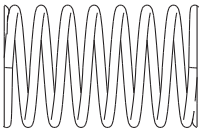
RA0156/3 X4
Diaphragm
Volumenausgleich



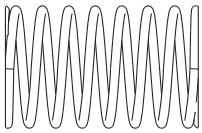
RA1100/3 X4
Spring holder
Federteller



RA0153 X4
Upper shock cap
Obere Stoßdämpferkappe

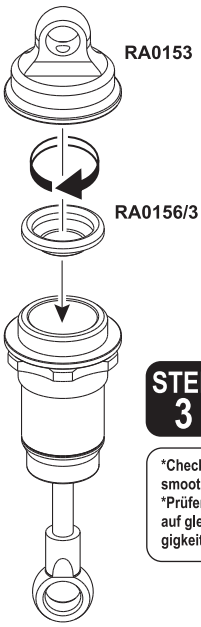


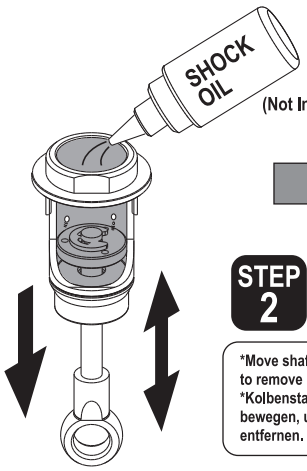
RA0312 X2
Front Shock spring (pink)
Dämpferfeder(pink)



RA0311 X2
Rear Shock spring (silver)
Dämpferfeder(silber)

## 29 x4




**STEP 1**

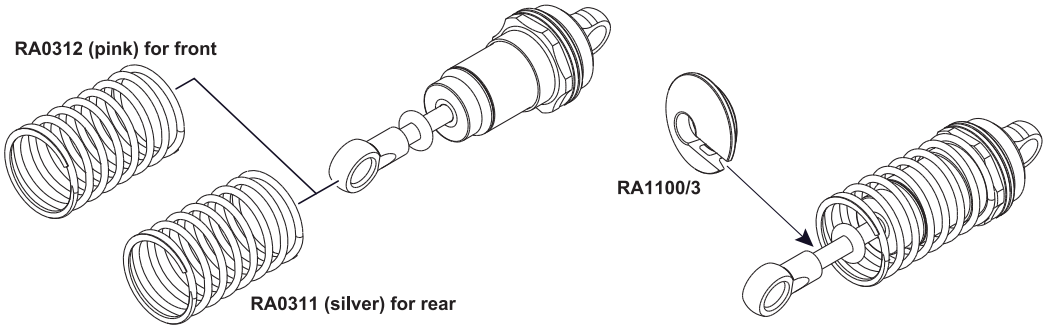
*Pull down the piston
*Kolbenstange herunter ziehen

**STEP 2**

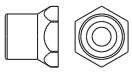
*Move shaft up and down to remove bubbles.
*Kolbenstange auf und ab bewegen, um Luftblasen zu entfernen.

**STEP 3**

*Check if piston moves smoothly.
*Prüfen Sie Kolbenstange auf gleichmäßige Leichtgängigkeit.




## BAG M



RA0150 X2
Upper Socket for shock mounting
Obere Stoßdämpferbefestigung



RA0500/5 X2
Upper ball for shock monting
Oberer Kugelkopf für Stoßdämpfer

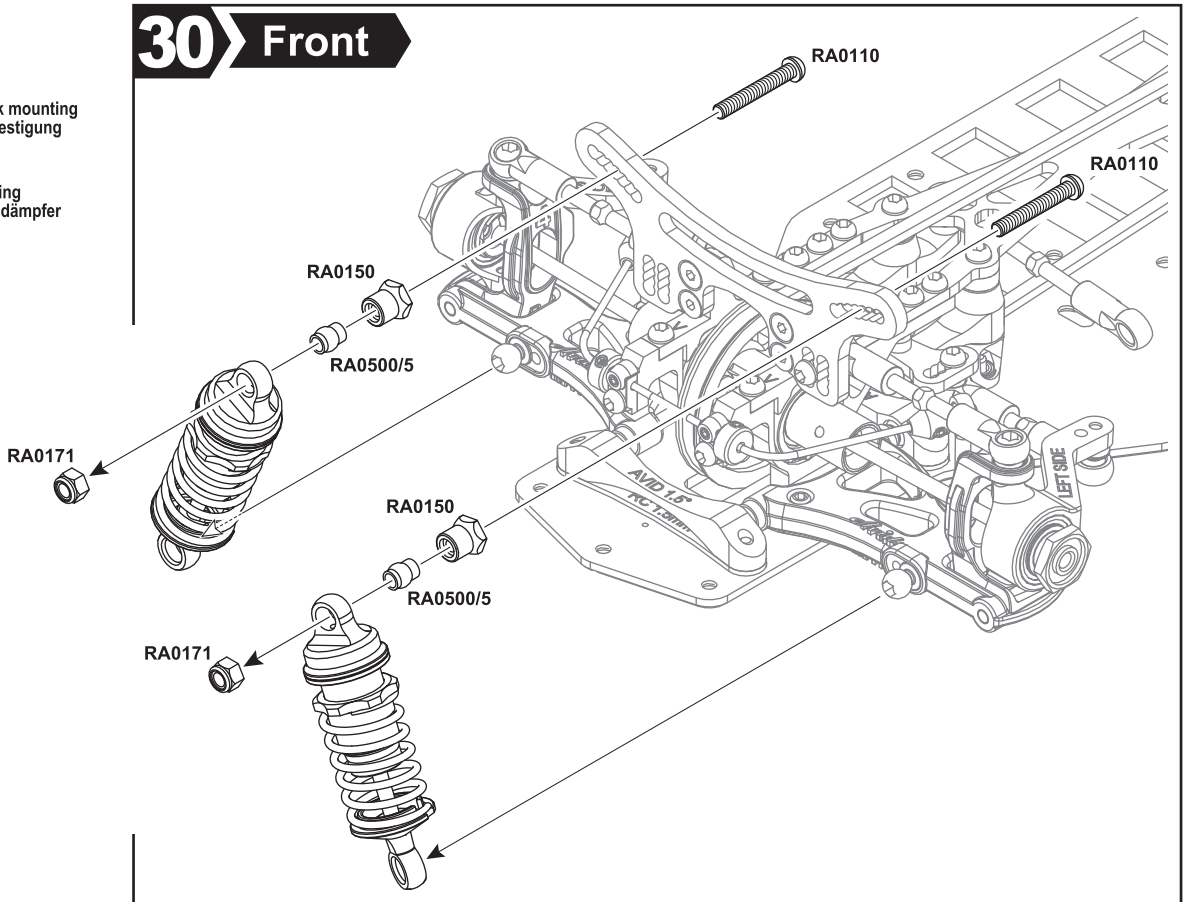


RA0110 X2
M3x20mm Screw
M3x20mm Rundkopfschraube



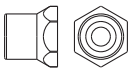
RA0171 X2
Lock nut M3
M3 Stopmutter

## 30 Front



# 11 Shocks

## BAG M



RA0150 X2
Upper Socket for shock mounting
Obere Stoßdämpferbefestigung



RA0500/5 X2
Upper ball for shock monting
Oberer Kugelkopf für Stoßdämpfer

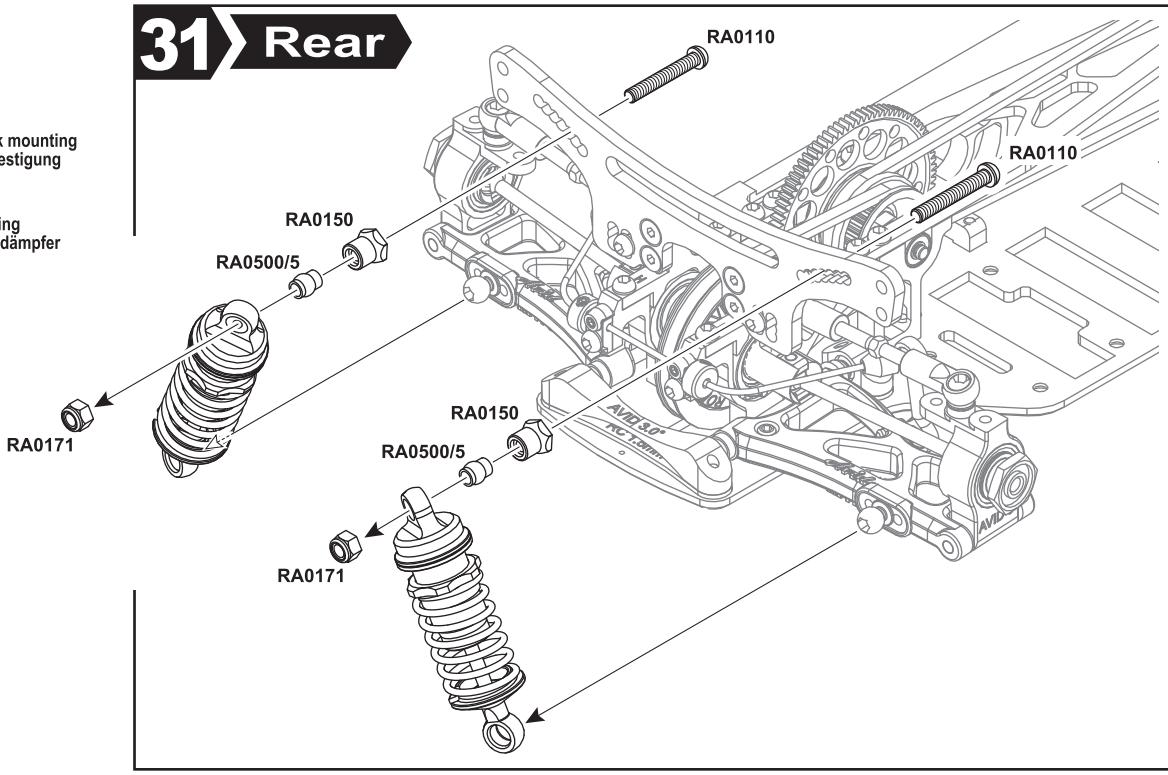


RA0110 X2
M3x20mm Screw
M3x20mm Rundkopfschraube



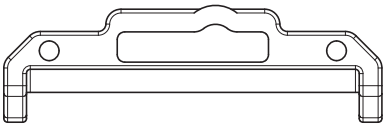
RA0171 X2
Lock nut M3
M3 Stopmutter

## 31 Rear

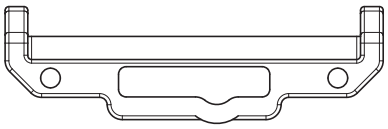



# 12 Battery Mount

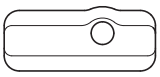
## BAG N



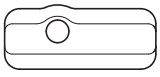
RA0700/2 X1
Battery positioner front
Akkuhalterung vorne



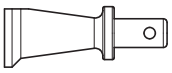
RA0700/3 X1
Battery positioner rear
Akkuhalterung hinten



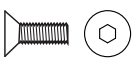
RA0100/1 X1
Insert for battery positioner front
Einsatz für Akkuhalterung vorne



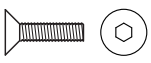
RA0100/2 X1
Insert for battery positioner rear
Einsatz für Akkuhalterung hinten



RA0700/4 X2
Battery post
Akku-Steher



RA2036 X4
M3x8mm F/H screw
M3x8mm Senkkopfschraube

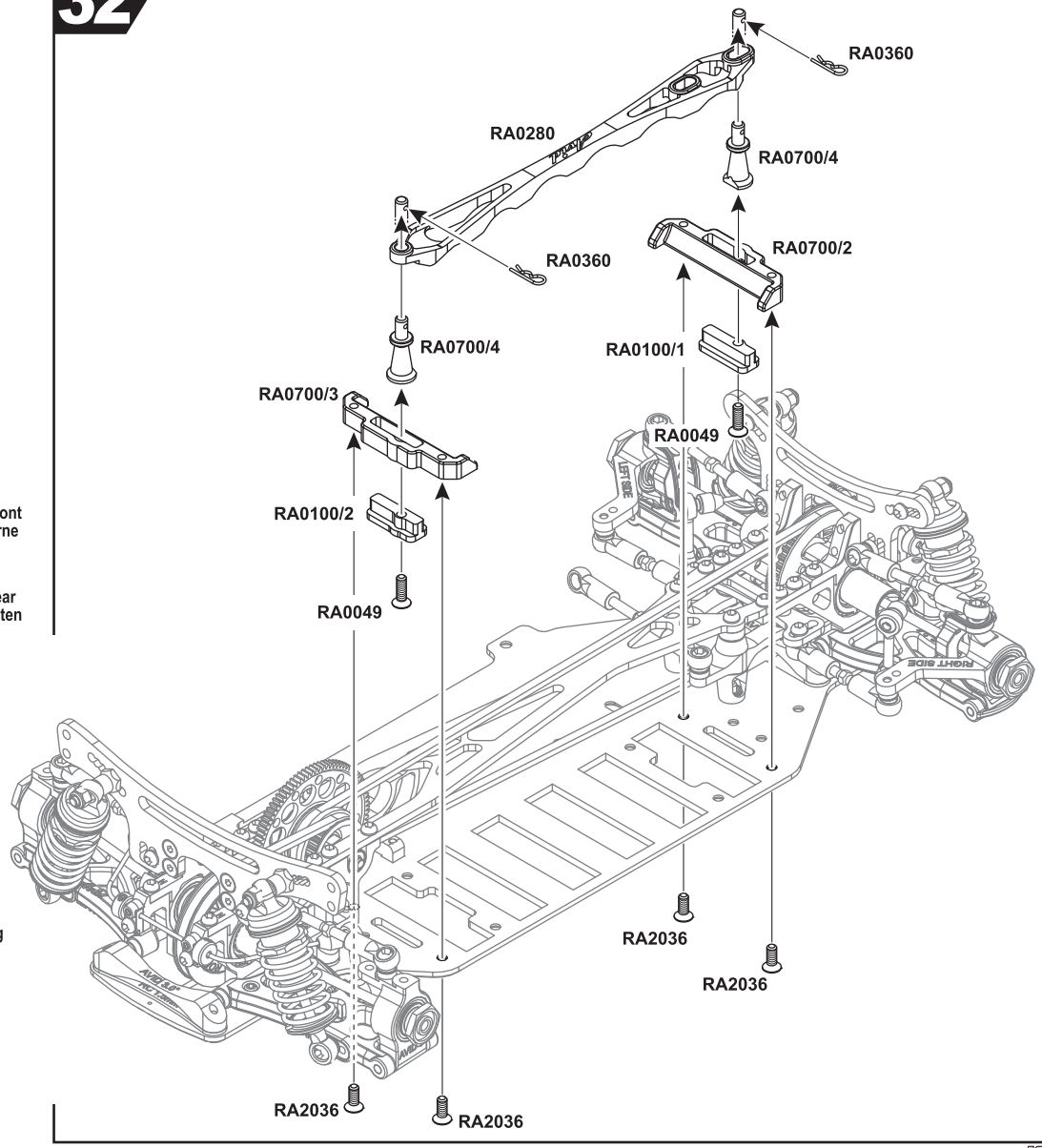


RA0049 X2
M3x10mm F/H screw
M3x10mm Senkkopfschraube



RA0360 X2
Snap pin small for battery
Karosserieklammer für Akkuhalterung

## 32



## BAG O

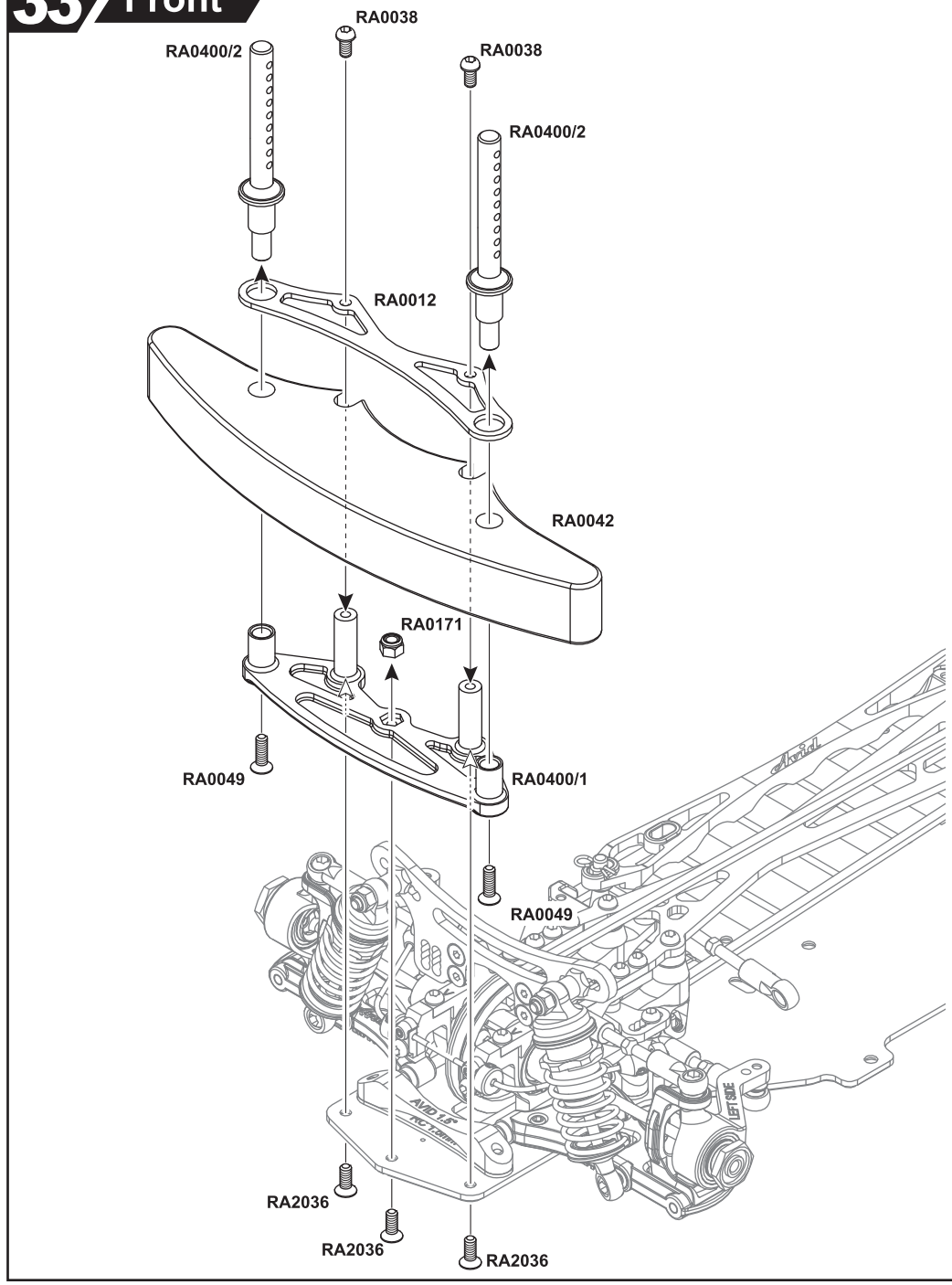
RA0038 X2
M3x6mm Screw
M3x6mm Rundkopfschraube

RA2036 X3
M3x8mm F/H screw
M3x8mm Senkkopfschraube

RA0049 X2
M3x10mm F/H screw
M3x10mm Senkkopfschraube

RA0171 X1
Lock nut M3
M3 Stopmutter

## 33 Front

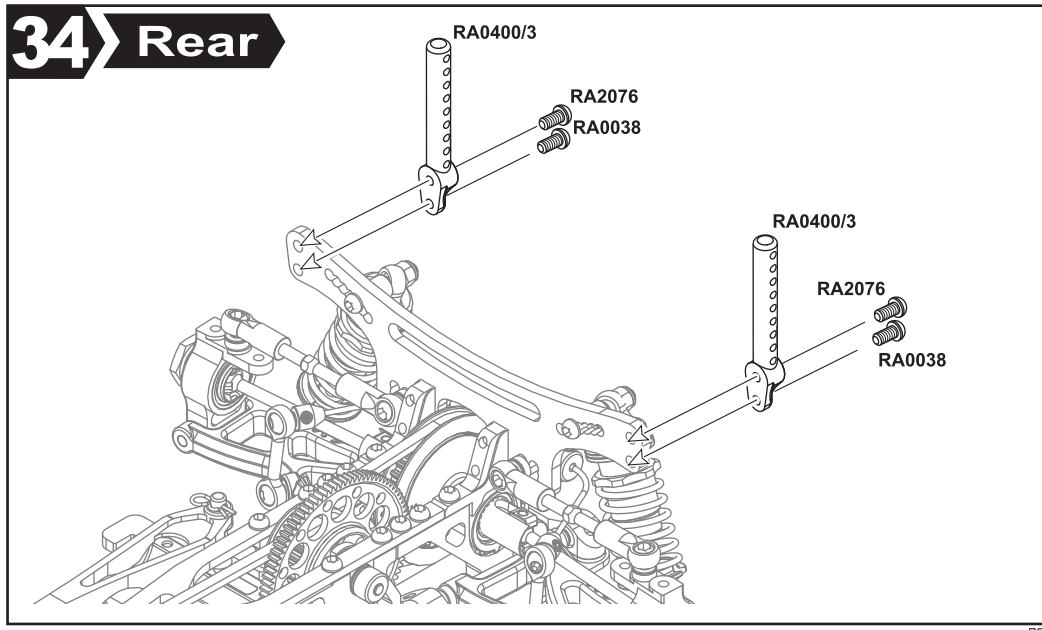



## BAG O

RA0038 X2
M3x6mm Screw
M3x6mm Rundkopfschraube

RA2076 X2
M3x8mm Screw
M3x8mm Rundkopfschraube

## 34 Rear



## BAG O

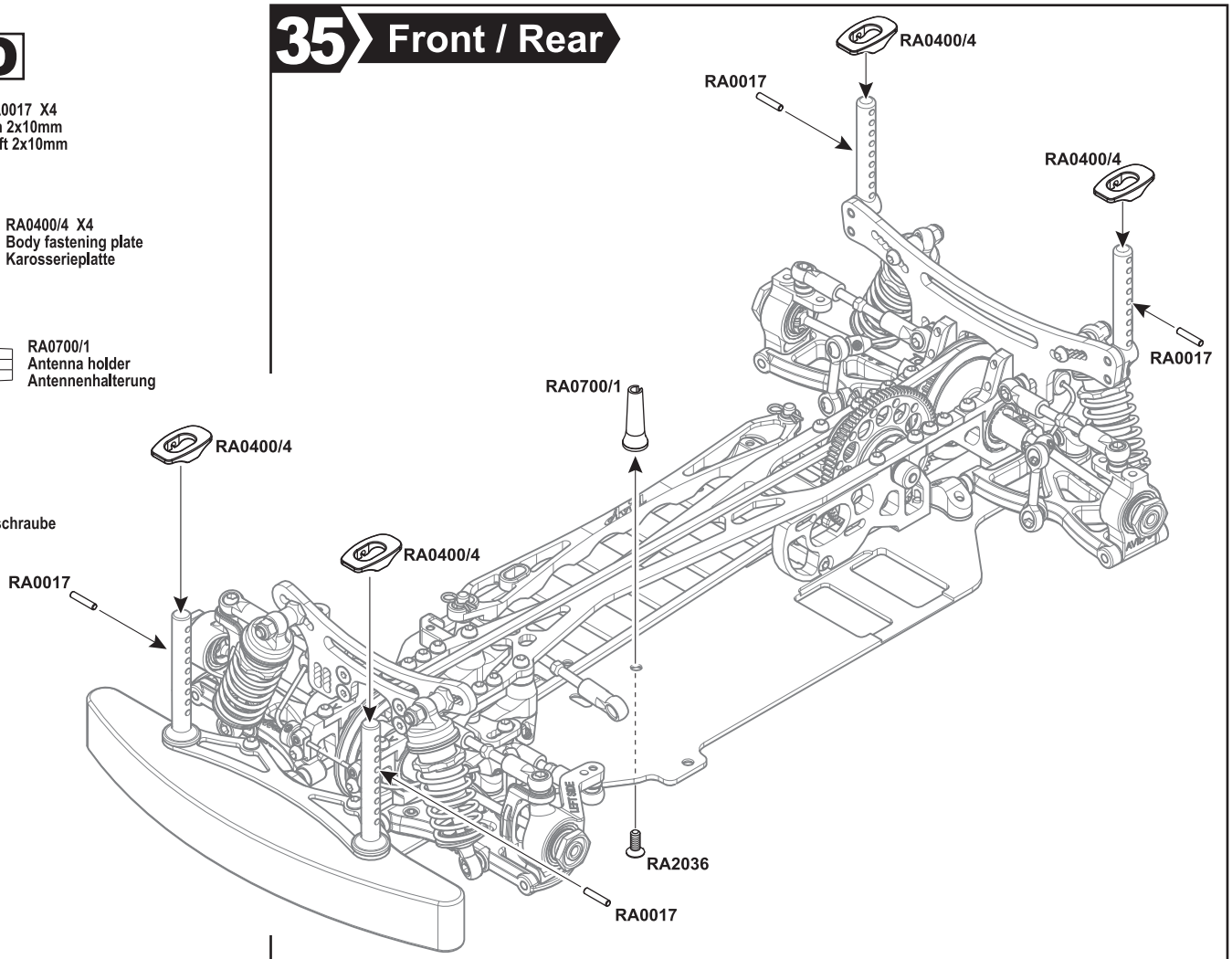
RA0017 X4
Pin 2x10mm
Stift 2x10mm

RA0400/4 X4
Body fastening plate
Karosserieplatte

RA0700/1
Antenna holder
Antennenhalterung

RA2036 X1
M3x8mm F/H screw
M3x8mm Senkkopfschraube

## 35 Front / Rear




## BAG O

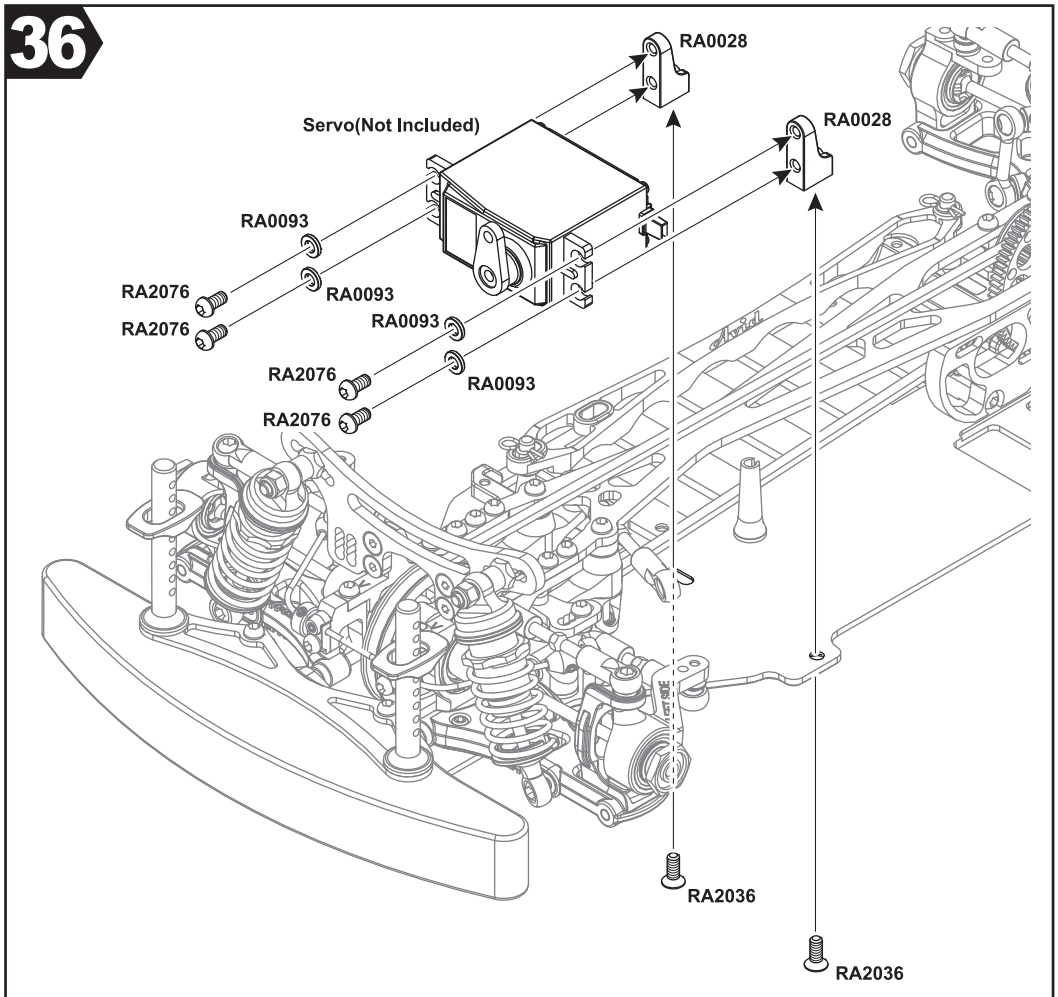
RA2076 X4
M3x8mm Screw
M3x8mm Rundkopfschraube

RA2036 X2
M3x8mm F/H screw
M3x8mm Senkkopfschraube

RA0093 X4
Aluminum Washer (3.2x6x1mm)
Alu Scheibe (3,2x6x0,1mm)

RA0028 X2
Servo mount
Servobefestigung

## 36



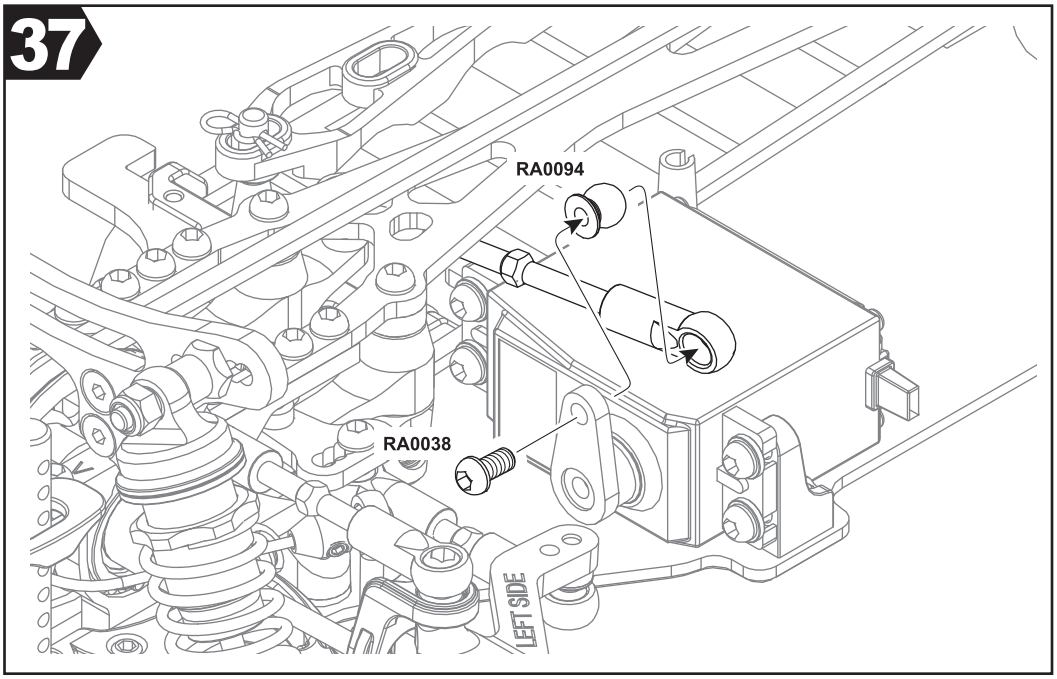
# 13 Final

**BAG O**

RA0094 X1
Ball end with internal thread M3
Kugelkopf mit M3 Innengewinde

RA0038 X1
M3x6mm Screw
M3x6mm Rundkopfschraube

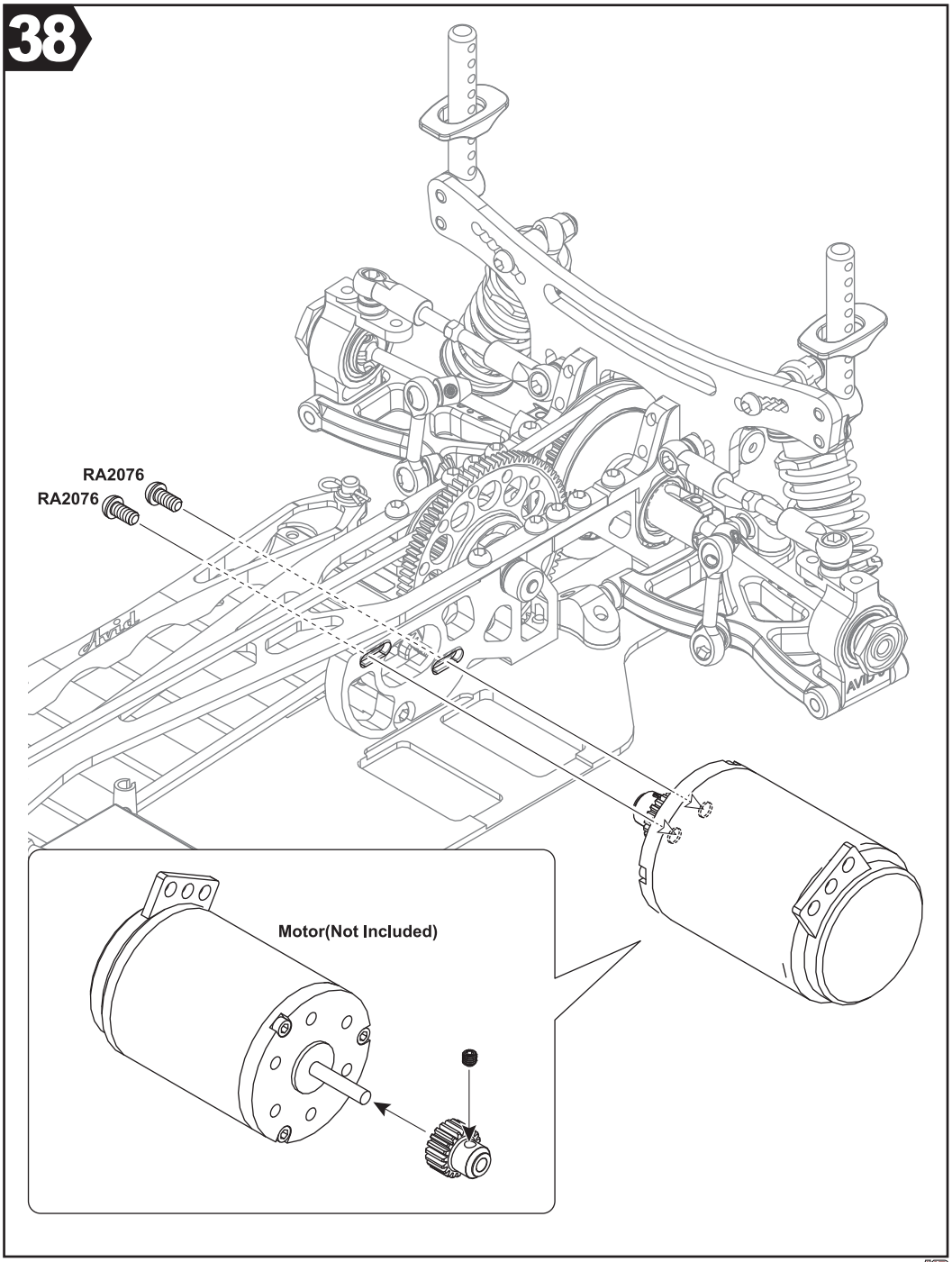
## 37



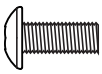

**BAG O**

RA2076 X2
M3x8mm Screw
M3x8mm Rundkopfschraube

## 38



**BAG O**

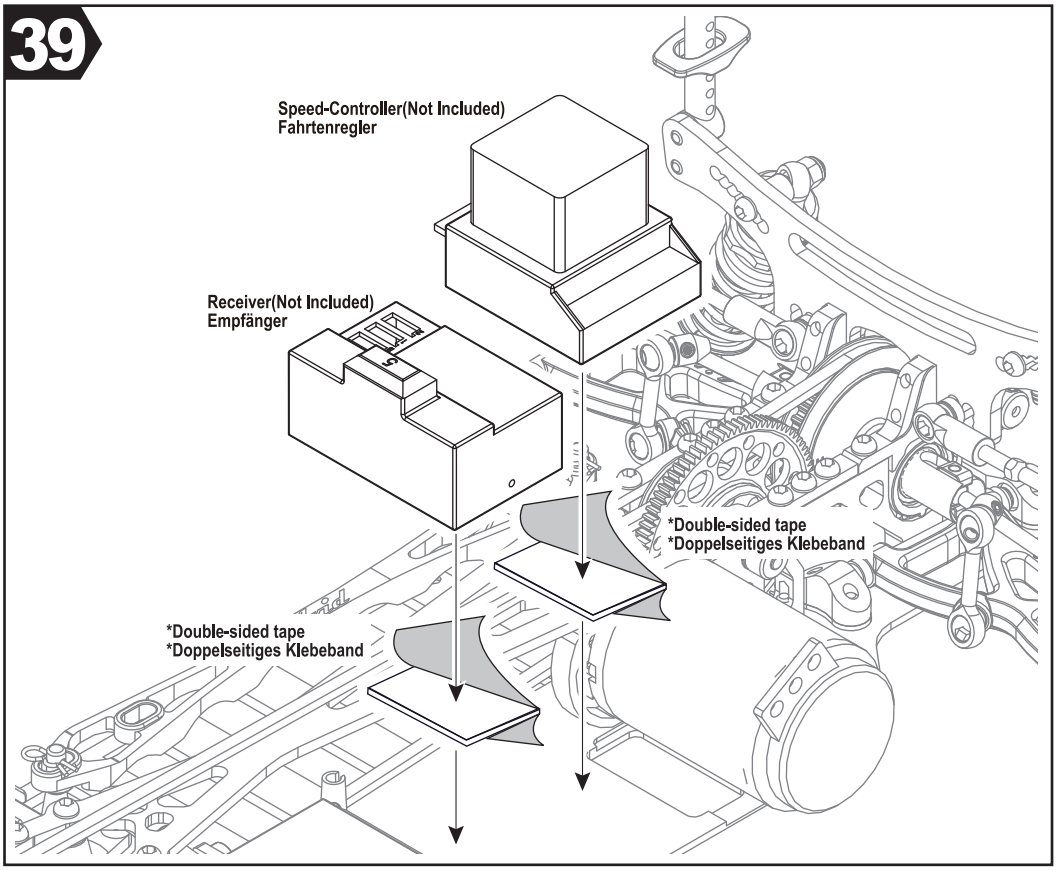


RA0222 X4
M4x10mm Screw
M4x10mm Rundkopfschraube

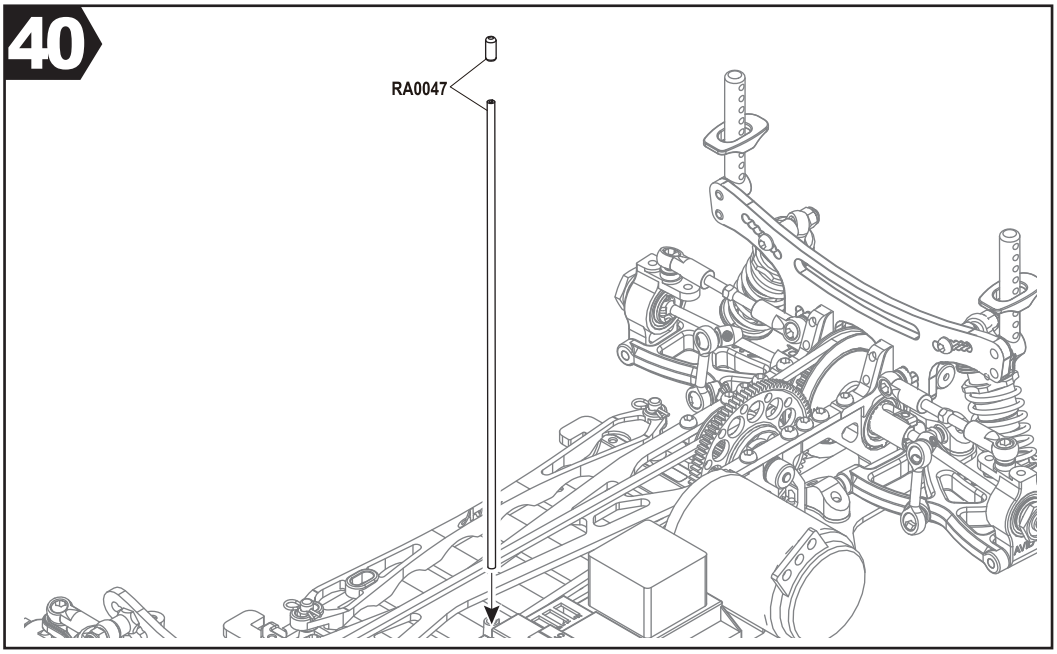


RA0229 X4
Shim for wheel
Scheibe für Radschraube

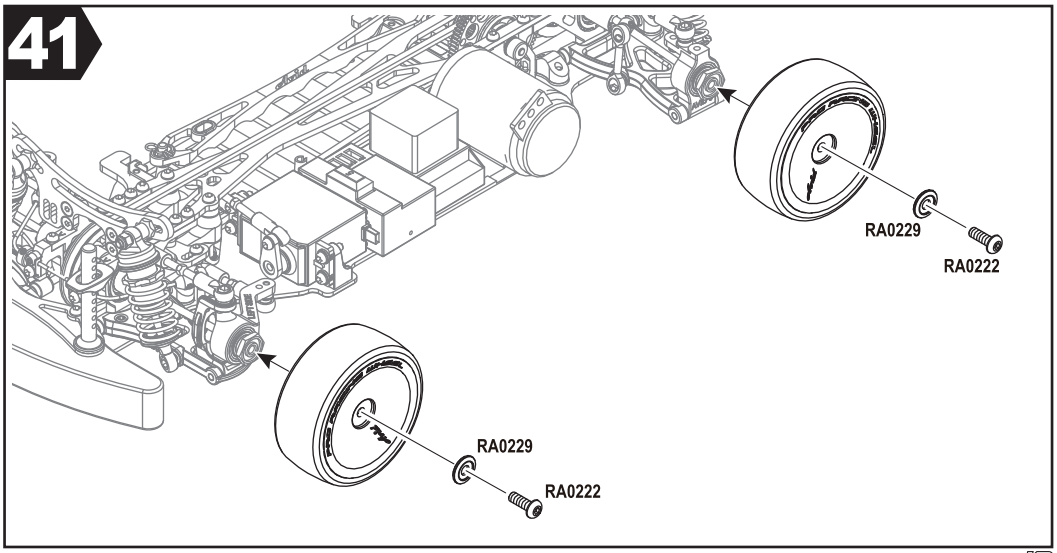
## 39



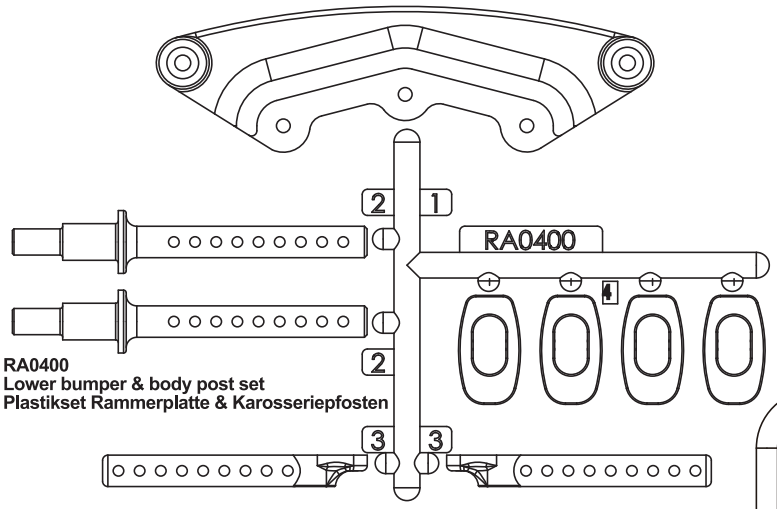

## 40



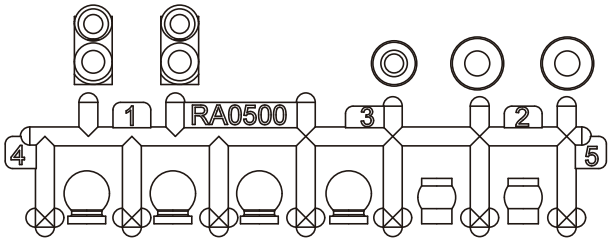

## 41



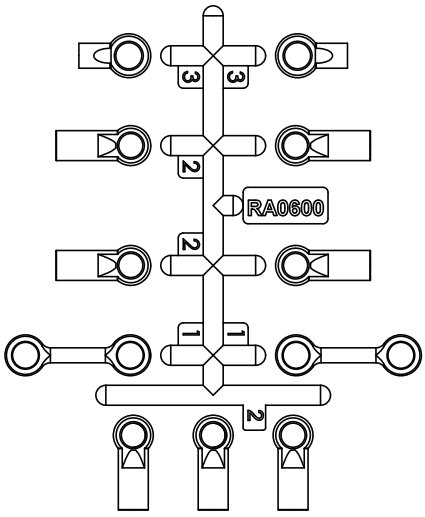
# Plastic Parts



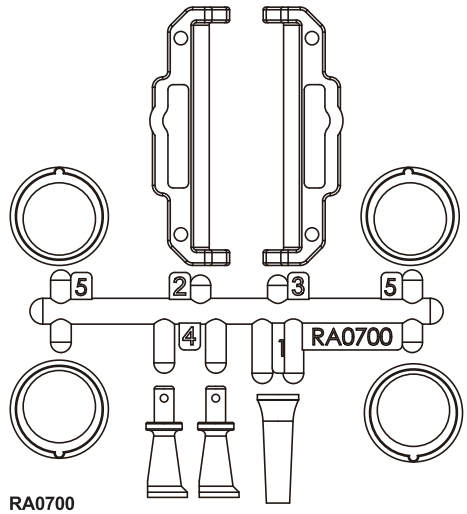

RA0400
Lower bumper & body post set
Plastikset Rammerplatte & Karosseriepfosten




RA0500 X2
Ball end & bushing set
Plastikset Kugelköpfe & Buchsen



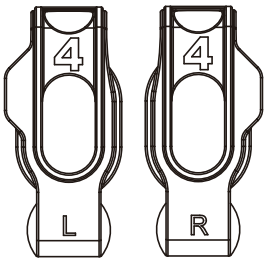

RA0600 X2
Ball end set shock & suspension
Plastikset Kugelköpfe f. Aufh. und Stoßd.



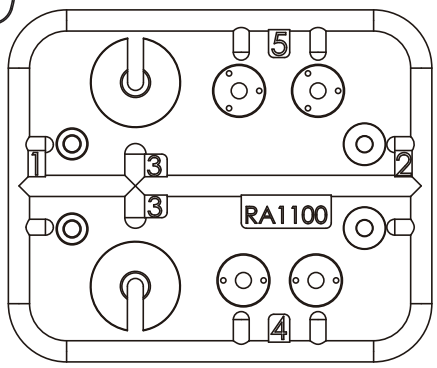

RA0700
Batterie & antenna mount set
Plastikset Akku- und Antennenbefestigung



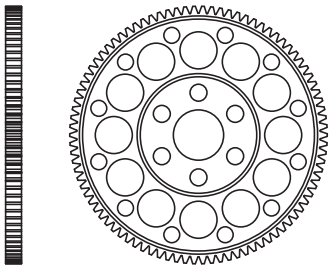
RA1200 X4
Blade
Blade



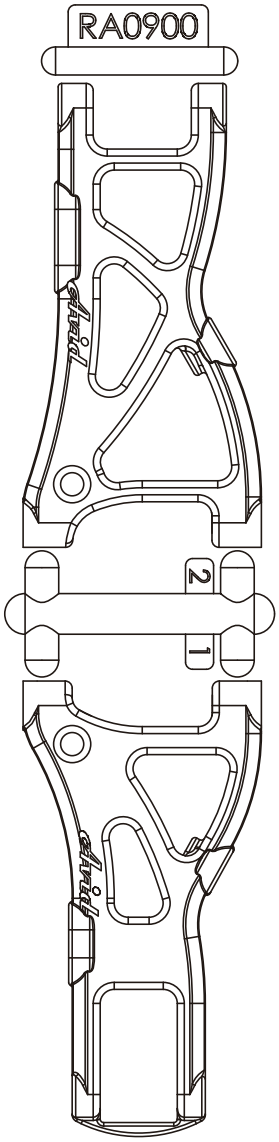

RA1800
C-hub set 4° degree
Achsschenkelhalter Set 4°



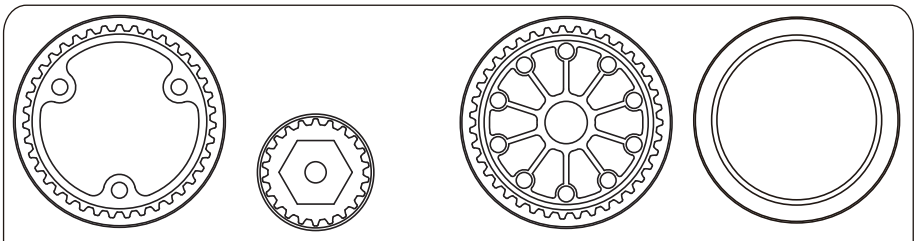

RA1100 X2
Shock parts set
Plastikset Stoßdämpferteile



RW48L90
Lightweight Spurgear 90T 48dp
Hauptzahnrad Superlight 90 Zähne 48dp




RA0900 X2
Lower suspension arms
Querlenker

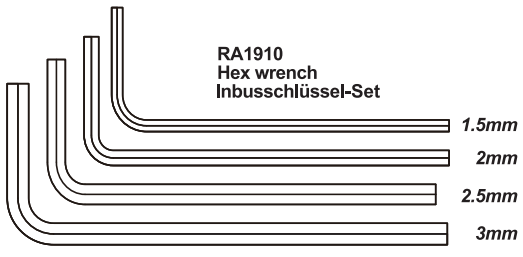


RA1300/1
Belt Pulley front
Vorderes Riemenrad

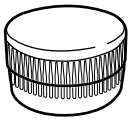
RA1300/2
Belt Pulley middle
Mittleres Riemenrad

RA1300/3
Differential belt pulley
Differential-Riemenrad

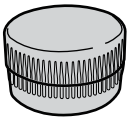
RA1300/4
Differential pulley washer
Diff-Riemenrad-Scheibe



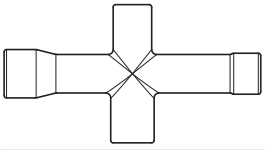

RA1910
Hex wrench
Inbusschlüssel-Set



Differential Grease
Differential-Fett



Trust-Bearing Grease
Drucklager-Fett



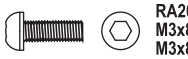
Cross wrench
Steckschlüssel



Turnbuckle Tool
Spurstangen-Schlüssel



RA0038 X34
M3x6mm Screw
M3x6mm Rundkopfschraube



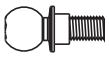
RA2076 X21
M3x8mm Screw
M3x8mm Rundkopfschraube



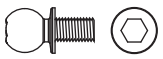
RA0110 X4
M3x20mm Screw
M3x20mm Rundkopfschraube



RA0109/1 X2
Lower kingpin
Unterer Kingpin



RA0109/2 X2
Upper kingpin ballend
Oberer Kingpin-Kugelkopf



RA0095 X13
Ball end with socket M3x5mm
Kugelkopf M3x5mm



RA0044 X2
Ball Bearing for Steering plate (3x6x2.5mm)
Kugellager für Lenkplatte (3x6x2,5mm)



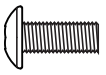
RA0043 X4
Ball bearing for steering arms 8x4x2.5mm
Kugellager für Lenkarme 8x4x2,5mm



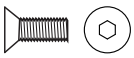
RA0214 X2
Ball bearing 8x3x4mm
Kugellager 8x3x4mm



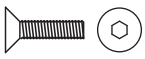
RA0279 X2
Diff ball bearing 8x5x3mm
Differential-Kugellager 8x5x3mm



RA0222 X4
M4x10mm Screw
M4x10mm Rundkopfschraube



RA2036 X47
M3X8mm F/H screw
M3x8mm Senkkopfschraube



RA0049 X8
M3X10mm F/H screw
M3x10mm Senkkopfschraube



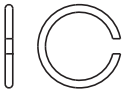
RA0106 X18
Set screw M3x3mm
M3x3mm Madenschraube



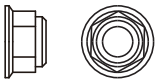
RA0108 X4
Set screw M4x8mm
Madenschraube M4x8mm



RA0171 X5
Lock nut M3
M3 Stopmutter



RA0226 X4
Snap-ring for wheel axles
Sprengring für Radachse



RA0360 X2
Lock nut M4
M4 Stopmutter



RA0216 X1
Snap pin small for battery
Karosserieklammer für Akkuhalterung



RA0361 X4
Snap pin big for body X10
Karosserieklammer für Karosserie



RA0275 X10
Diff-ball
Differential-Kugel



RA0215 X10
C-Clip 3mm
Sicherungsscheibe 3mm



RA0093 X10
Aluminum Washer (3.2x6x1mm)
Alu Scheibe (3,2x6x1mm)



RA0092 X18
Aluminum Washer (3.2x6x2mm)
Alu Scheibe (3,2x6x2mm)



RA0112 X10
Distance-shims suspension arms(6x3.2x0.1mm)
Shim-Scheiben Schwingen (6x3,2x0,1mm)



RA0277/1
C-clip for Differential
Sicherungsring für Differential



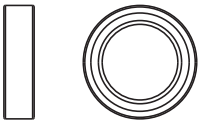
RA0277/2
M3x20mm socket head screw
M3x20mm Zylinderkopfschraube



RA0277/3
Differential trust bearing
Differential-Drucklager



RA0277/4 X4
Cup spring
Tellerfeder



RA0225 X12
Ball bearing 15x10x4mm
Kugellager 15x10x4mm



RA0017 X9
Pin 2x10mm
Stift 2x10mm



RA0303 X2
Pin 2.5x10.8mm
Stift 2.5x10.8mm



RA0076 (Option Part)
Suspension mount 1,5° (FF, FR, RR)
Querlenkerhalter 1,5° (FF, FR, RR)



RA0077 X2
Suspension mount 2° (FF, FR, RR)
Querlenkerhalter 2° (FF, FR, RR)



RA0078 (Option Part)
Suspension mount 2,5° (FF, FR, RR)
Querlenkerhalter 2,5° (FF, FR, RR)



RA0113
Suspension mount, FF, FR and RR, 3° toe-in
Querlenkerbefestigung, FF, FR und RR, 3° Vorspur



RA0080 X2
Rollcenter-plate 1.5mm
Rollcenter-Platte 1,5mm



RA0081 (Option Part)
Rollcenter-plate 2.5mm
Rollcenter-Platte 2,5mm



RA0082 X2
Rollcenter washer FR 1.5mm
Rollcenter-Scheibe FR 1,5mm



RA0075 X2
Suspension mount RF

Querlenkerbefestigung RF



RA0270/1
Diff-outdrive right
Differential-Ausgang rechts

RA0270/2
Diff-outdrive left
Differential-Ausgang links



RA0229 X4
Shim for wheel
Scheibe für Radschraube



RA0085 (Option Part) X2
Rollcenterplate RF 2.5mm
Rollcenter-Platte RF 2,5mm



RA0084 X2
Rollcenterplate RF1.5mm
Rollcenter-Platte RF 1,5mm



RA0083 (Option Part) X2
Rollcenter washer FR 2.5mm
Rollcenter-Scheibe FR 2,5mm



RA0209
Mid driveshaft
Mittelantriebs-Achse



RA0211
End piece for mid driveshaft
Stellring für Mittelantriebs-Achse



RA0293
Aluminum Distance washer v/h belt
Alu Distanzring v/h Riemen



RA0210
Spur gear adapter
Zahnrad-Adapter



RA0201 X4
Wheel axle
Radachse



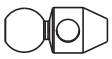
RA0089/1 X4
A-Arm-shaft long
Querlenkerstift lang

RA0089F X2
Lower arm-shaft, short, front
Querlenkerstift, kurz, vorne

RA0089R X2
Lower arm-shaft, short, rear
Querlenkerstift, kurz, hinten



RA0094 X7
Ball end with internal thread M3
Kugelkopf mit M3 Innengewinde



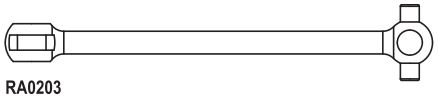
RA0281 X2
Ball end anti rollbar
Kugelkopf für Stabilisator



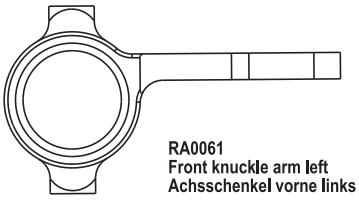
RA0304 X4
Sway Bar Collar
Stabilisator Stellring



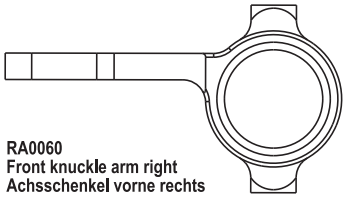
RA0227 X4
Bushing for driveshaft-pin
Buchse für Antriebskardan



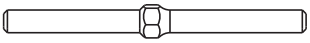
RA0203
Driveshaft X4
Antriebskardan



RA0061
Front knuckle arm left
Achsschenkel vorne links



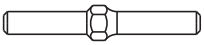
RA0060
Front knuckle arm right
Achsschenkel vorne rechts



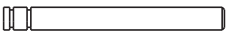
RA1001
Tie rod for servo 40mm
Spurstange für Lenkservo 40mm



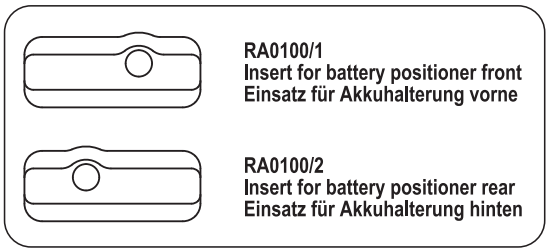
RA1003 X4
Tie rod for suspension 30mm
Spurstange für Aufhängung 30mm



RA1002 X2
Tie rod for steering 26mm
Spurstange für Lenkung 26mm

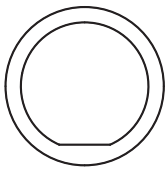


RA0158 X4
Shock shaft
Kolbenstange



RA0100/1
Insert for battery positioner front
Einsatz für Akkuhalterung vorne

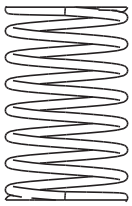
RA0100/2
Insert for battery positioner rear
Einsatz für Akkuhalterung hinten



RA0274 X2
Diff-washer
Differential-Scheibe



RA0312 X2
Front Shock spring (pink)
Dämpferfeder(pink)



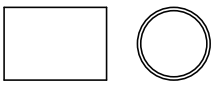
RA0311 X2
Rear Shock spring (silver)
Dämpferfeder(silber)



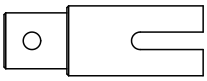
RA0062 X2
Rear wheel hub
Achsschenkel hinten



RA0150 X4
Upper Socket for shock mounting
Obere Stoßdämpferbefestigung



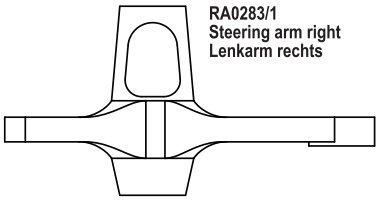
RA0301/2 X2
Solid Axle CVD-Carrier cover
Starrachse CVD-Mitnehmer Hülse



RA0301/1 X2
Solid Axle CVD-Outdrive
Starrachse CVD-Mitnehmer



RA0302 X2
Solid Axle O-Ring
Starrachse O-Ring



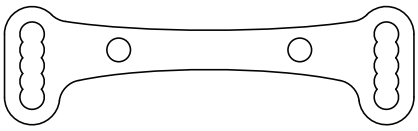
RA0283/1
Steering arm right
Lenkarm rechts



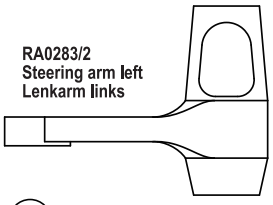
RA0156/1 X8
O-ring
O-Ring

RA0156/2 X4
O-ring adjust nut
O-Ring für Einstellmutter

RA0156/3 X4
Diaphragm
Volumenausgleich



RA0284
Steering plate
Lenkplatte



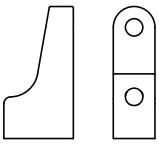
RA0283/2
Steering arm left
Lenkarm links



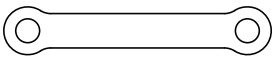
RA0033 X2
Axle for steering arm
Lenkarm-Achse



RA0036 X2
Washer for steering plate
Unterscheibe für Lenkplatte



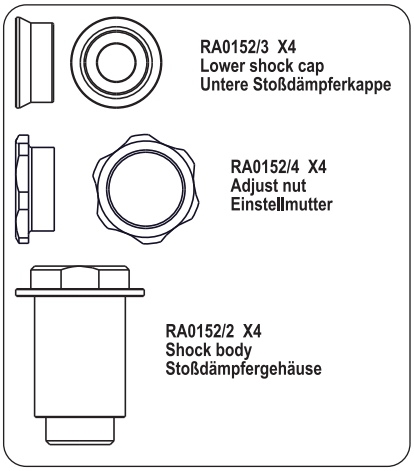
RA0028 X2
Servo mount
Servobefestigung



RA0294
Steering plate stiffener
Lenkplattenversteifung



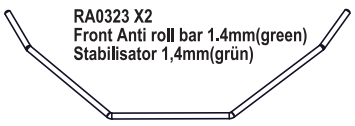

RA0280
Battery holder plate
Akkuhalteplatte



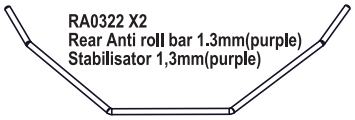
RA0152/3 X4
Lower shock cap
Untere Stoßdämpferkappe

RA0152/4 X4
Adjust nut
Einstellmutter

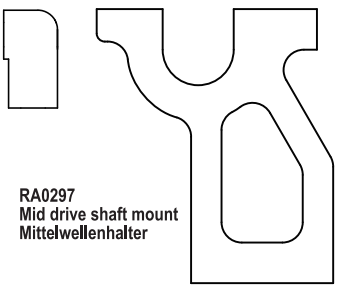
RA0152/2 X4
Shock body
Stoßdämpfergehäuse



RA0323 X2
Front Anti roll bar 1.4mm(green)
Stabilisator 1,4mm(grün)



RA0322 X2
Rear Anti roll bar 1.3mm(purple)
Stabilisator 1,3mm(purple)

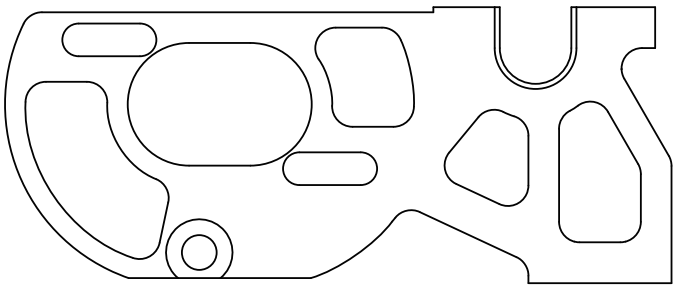


RA0298
Motor Plate Chassis stiffener
Motorhalteplatte Chassisstrebe

RA0297
Mid drive shaft mount
Mittelwellenhalter



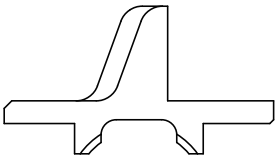

RA0300
Solid Axle Main body
Starrachse Hauptkörper



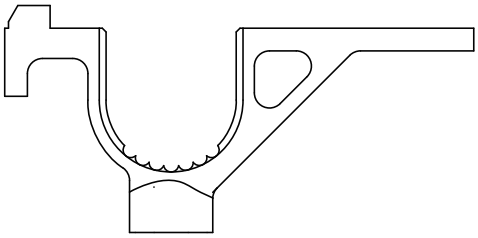
RA0296
Motor Plate
Motorhalteplatte



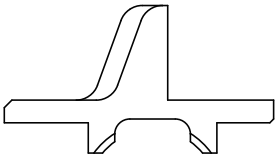
RA0153
Upper shock cap
Obere Stoßdämpferkappe



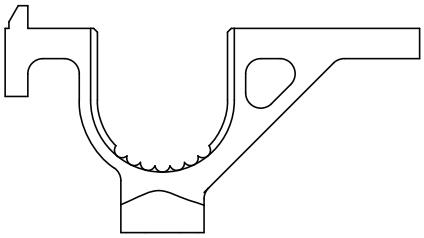
RA0286 X2
Front upper Bulkheads
Vordere obere Bulkheads



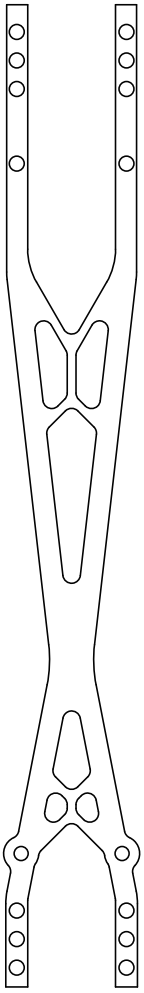
RA0287 X2
Front lower Bulkheads
Vordere untere Bulkheads



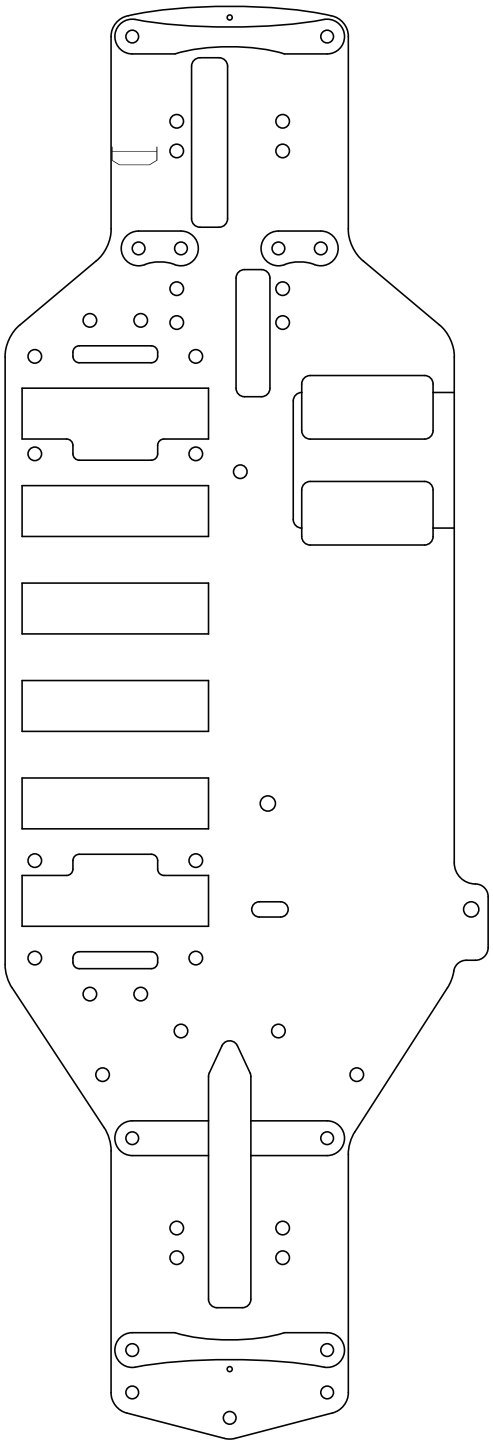
RA0288 X2
Rear upper Bulkheads
Hintere obere Bulkheads



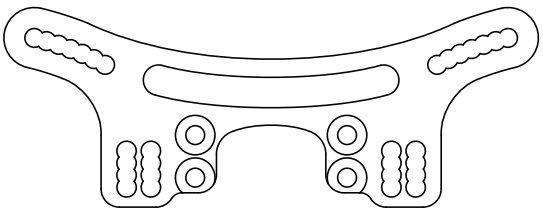
RA0289 X2
Rear lower Bulkheads
Hintere untere Bulkheads



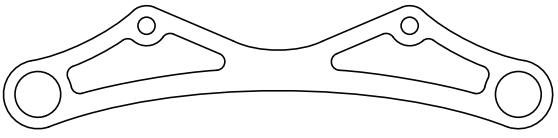
RA0290
Upper chassis plate 2.5mm
Obere Chassisplatte 2,5mm



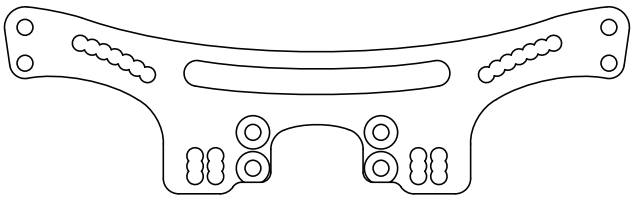
RA0282
Lower chassis plate 2.5mm
Untere Chassisplatte 2,5mm



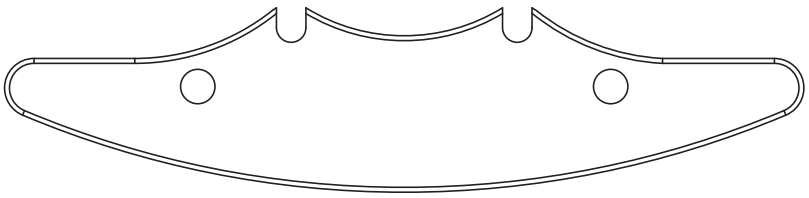
RA0285
Shock stay front 3.0mm
Vordere Dämpferbrücke 3,0mm



RA0012
Upper bumper plate 1.5mm
Obere Rammerplatte 1,5mm



RA0291
Shock stay rear 3.0mm
hintere Dämpferbrücke 3,0mm



RA0042
Bumper
Rammer

# Spare parts list

| Item No. | English Description | German Description |
|---|---|---|
| RA0012 | Upper bumper plate 1.5mm | Obere Rammerplatte 1,5mm |
| RA0017 | Pin (2x10mm) (10pcs.) | Stift (2x10mm) (10Stk.) |
| RA0028 | Servo mount | Servobefestigung |
| RA0033 | Axle for Steering arm (2pcs.) | Achsen für Lenkarme (2 Stk.) |
| RA0036 | Washer for Steering plate (2pcs.) | Scheiben für Lenkplatte (2 Stk.) |
| RA0038 | Button Socket screw (M3x6mm) (10pcs.) | Linsenkopfschraube (M3x6mm) (10 Stk.) |
| RA0042 | Foam Bumper | Schaumstoff Rammer |
| RA0043 | Ball Bearing for Steering arms (8x4x2.5mm) (2pcs.) | Kugellager für Lenkarme (8x4x2,5mm) (2 Stk.) |
| RA0044 | Ball Bearing for Steering plate (3x6x2.5mm) (2pcs.) | Kugellager für Lenkplatte (3x6x2,5mm) (2 Stk.) |
| RA0047 | Antenna with Cap | Antenne mit Kappe |
| RA0049 | Hexagon socket countersink flat head screw (M3x10mm) (10pcs.) | Senkkopfschraube (M3x10mm) (10 Stk.) |
| RA0060 | Front knuckle arm right | Lenkhebel rechts |
| RA0061 | Front knuckle arm left | Lenkhebel links |
| RA0062 | Rear wheel hub 0° (1pcs.) | Hinterer Radträger 0° (1 Stk.) |
| RA0075 | Suspension mount 0° RF (2pcs.) | Querlenkerhalter 0° (RF) (2 Stk.) |
| RA0077 | Suspension mount 2° (FF, FR, RR) | Querlenkerhalter 2° (FF, FR, RR) |
| RA0082 | Rollcenter-Washer 1.5mm (FR) | Rollcenterscheibe 1,5mm (FR) |
| RA0080 | Rollcenterplate 1.5mm (FF, RR) | Rollcenterplatte 1,5mm (FF, RR) |
| RA0084 | Rollcenterplate 1.5mm (RF) | Rollcenterplatte 1,5mm (RF) |
| RA0089 | Lower arm shaft set | Querlenkerstift Set |
| RA0092 | Aluminum Washer (3.2x6x2mm) (5pcs.) | Alu Scheiben (3,2x6x2mm) (5 Stk.) |
| RA0093 | Aluminum Washer (3.2x6x1mm) (5pcs.) | Alu Scheiben (3,2x6x1mm) (5 Stk.) |
| RA0094 | Ball end with internal thread M3 (2pcs.) | Kugelkopf 5mm mit Innengewinde M3 (2 Stk.) |
| RA0095 | Ball end with socket (M3x5mm) (2pcs.) | Kugelkopf 5mm M3 (2 Stk.) |
| RA0100 | Insert for battery positioner set (front and rear side) | Akkuhalter Einsatz (vorne und hinten) |
| RA0106 | Grubscrew (M3x3mm) (10pcs.) | Madenschraube (M3x3mm) (10 Stk.) |
| RA0108 | Grubscrew (M4x8mm) (5 Stk.) | Madenschraube (M4x8mm) (5 Stk.) |
| RA0109 | Kingpin set (up & down) | Kingpin Set (oben & unten) |
| RA0110 | Bottom socket screw for shocks (M3x20mm) (10pcs.) | Dämpfer Linsenkopfschraube (3x20mm) (10 Stk.) |
| RA0112 | Distance-shims suspension arms (6x3.2x0.1mm) | Shim-Scheiben Schwingen (6x3,2x0,1mm) |
| RA0113 | Suspension mount 3° (RR) | Querlenkerhalter 3° (RR) |
| RA0150 | Upper Socket for shock mounting (2 Stk.) | Obere Stoßdämpferbefestigung (2 Stk.) |
| RA0152 | Shock body set (2pcs.) | Stoßdämpfer-Gehäuse Set (2 Stk.) |
| RA0153 | Upper shock cap (2 pcs.) | Obere Stoßdämpferkappe (2 Stk.) |
| RA0156 | Shock rubber part set | Stoßdämpfer-Gummiteile Set |
| RA0158 | Shock shaft (2 pcs.) | Dämpfer Kolbenstange (2 Stk.) |
| RA0171 | Lock Nut red M3 (10pcs.) | Stoppmutter rot M3 (10 Stk.) |
| RA0201 | CVD Wheel axle (2pcs.) | CVD Radachse (2 Stk.) |
| RA0203 | CVD Driveshaft (2pcs.) | CVD Antriebskardan (2 Stk.) |
| RA0209 | Mid Driveshaft | Mittlere Antriebswelle |
| RA0210 | Spur Gear Adapter | Hauptzahnradadapter |
| RA0211 | Collar Mid Driveshaft | Schraubring Mittelantrieb |
| RA0214 | Ball Bearing Mid Driveshaft (8x3x4mm) (2 pcs.) | Kugellager Mittelantrieb (8x3x4mm) (2 Stk.) |
| RA0215 | C-Clip (2.3mm) (10pcs.) | C-Clip (2,3mm) (10 Stk.) |
| RA0216 | Lock Nut M4 Mid Driveshaft (5pcs.) | M4 Stopmutter Mittelantrieb (5 Stk.) |
| RA0222 | Bottom Socket screw (M4x10mm) wheels (5 pcs.) | Linsenkopfschraube (M4x10mm) Radmontage (5 Stk.) |
| RA0223 | Front belt 174 teeth (522mm Bando STS 3M) | Riemen vorne 174 Z. (522mm Bando STS 3M) |
| RA0224 | Rear belt 62 teeth (186mm Bando STS 3M) | Riemen hinten 62Z. (186mm Bando STS 3M) |
| RA0225 | Ball Bearing (15x10x4) (2 pcs.) | Kugellager (15x10x4) (2 Stk.) |
| RA0226 | Snap Ring for Wheel Axles (4 pcs.) | Sprengring CVD-Radachse (4 Stk.) |
| RA0227 | Bushing for CVD Driveshaft-Pin (2 pcs.) | Buchse CVD Antriebskardan (2 Stk.) |
| RA0229 | Shim for wheels (2 pcs.) | Alu Scheibe Radschraube (2 Stk.) |
| RA0270 | Differential outdrive set (left and right) | Differential-Ausgang Set (links und rechts) |
| RA0274 | Diff-Washer (2pcs.) | Differential Scheiben (2 Stk.) |
| RA0275 | Diff-Ball (3.0mm) (10pcs.) | Differential Kugeln (3,0mm) (10 Stk.) |
| RA0277 | Diff trust bearing set (3x8x3,5mm) | Drucklager für Differential (3x8x3,5mm) |
| RA0279 | Ball Bearing Diff (8x5x3mm) (2pcs.) | Kugellager Differential (8x5x3mm) (2 Stk.) |
| RA0280 | Aluminum Battery holder plate | Akkustrebe Aluminium |
| RA0281 | Ball end for Anti Roll Bar (2pcs.) | Stabilisator Kugelkopf (2 Stk.) |
| RA0282 | Lower chassis plate 2.5mm | Untere Chassisplatte 2,5mm |
| RA0283 | Steering arm set (left and right side) | Lenkarm Set (links und rechts ) |
| RA0284 | Steering plate | Lenkplatte |
| RA0285 | Shock stay front 3.0mm | Dämpferbrücke vorne 3mm |
| RA0286 | Front upper Bulkhead (1pcs.) | Vorderer oberer Bulkhead (1 Stk.) |
| RA0287 | Front lower Bulkhead (1pcs.) | Vorderer unterer Bulkhead (1 Stk.) |
| RA0288 | Rear upper Bulkhead (1pcs.) | Hinterer oberer Bulkhead (1 Stk.) |
| RA0289 | Rear lower Bulkheads (1pcs.) | Hinterer unterer Bulkhead (1 Stk.) |
| RA0290 | Upper chassis plate 2.5mm | Obere Chassisplatte 2,5mm |

# Spare parts list

| Item No. | English Description | German Description |
|---|---|---|
| RA0291 | Shock stay rear 3.0mm | Dämpferbrück hinten 3mm |
| RA0292 | Instruction | Bauanleitung |
| RA0293 | Aluminum Distance washer v/h belt | Alu Distanzring v/h Riemen |
| RA0294 | Steering plate stiffener | Lenkplattenversteifung |
| RA0295 | Aluminum washer steering plate (3x8x3mm) (2 Stk.) | Alu Scheibe Lenkachsen (3x8x3mm) (2 Stk.) |
| RA0296 | Motor Plate | Motorhalteplatte |
| RA0297 | Mid drive shaft mount | Mittelwellenhalter |
| RA0298 | Motor Plate Chassis stiffener | Motorhalteplatte Chassisstrebe |
| RA0299 | Shim washers CVD and Diff (10x12x0.1mm) (10pcs.) | Shim Scheiben CVD & Diff (10x12x0,1mm) (10 Stk.) |
| RA0300 | Solid Axle Main body | Starrachse Hauptkörper |
| RA0301 | Solid Axle CVD-Outdrive (2pcs.) | Starrachse CVD-Mitnehmer (2 Stk.) |
| RA0302 | Solid Axle O-Ring (2pcs.) | Starrachse O-Ring (2 Stk.) |
| RA0303 | Solid Axle Pin (2.5x10.8mm) (2pcs.) | Starrachse Stift (2,5x10,8mm) (2 Stk.) |
| RA0304 | Sway Bar collar (4pcs.) | Stabilisator Stellring (4 Stk.) |
| RA0311 | Shock spring (silver 302gf/mm) (2pcs.) | Dämpferfeder (silber 302gf/mm) (2 Stk.) |
| RA0312 | Shock spring (pink 320gf/mm) (2pcs.) | Dämpferfeder (pink 320gf/mm) (2 Stk.) |
| RA0322 | Sway bar 1.3mm (purple) | Stabilisator 1,3mm (purple) |
| RA0323 | Sway bar 1.4mm (green) | Stabilisator 1,4mm (grün) |
| RA0360 | Snap Pin (4mm) (10pcs.) | Karosserieklammer (4mm) (10 Stk.) |
| RA0361 | Snap Pin (6mm) (10pcs.) | Karosserieklammer (6mm) (10 Stk.) |
| RA0400 | Lower bumper & Body post Plastic set | Karosseriesteher & Rammer Plastikteile-Set |
| RA0500 | Ball end Plastic Set | Kugelkopf Plastikteile-Set |
| RA0600 | Roll Bar Rod & Shock Ball End Plastic Set | Kugelpfannen Plastikteile-Set |
| RA0700 | Battery Post Plastic Set | Akkubefestigung Plastikteile-Set |
| RA0900 | Suspension Arm Plastic Set (fron & rear) | Schwingen Set (vorne & hinten x1) |
| RA1001 | R/L Tie Rod for Servo | R/L Gewindestange Servo |
| RA1002 | R/L Tie Rod for Steering (2pcs.) | R/L Gewindestange Lenkung (2 Stk.) |
| RA1003 | R/L Tie Rod for Suspension (2pcs.) | R/L Gewindestange Aufhängung (2 Stk.) |
| RA1100 | Shock Parts Plastic Set | Dämpfer Plastikteile-Set |
| RA1200 | Blade for CVD Driveshaft (10pcs.) | Blades CVD Antriebskardan (10 Stk.) |
| RA1300 | Belt pulley set | Riemenrad Set |
| RA1800 | C-Hub Set 4° | C-Hub Set 4° |
| RA1910 | Tool set | Werkzeug Set |
| RA1920 | Avid v2 sticker sheet (2pcs.) | Avid v2 Aufkleber Bogen (2 Stk.) |
| RA2036 | Hexagon socket countersink flat head screw (M3x8mm) (10pcs) | Senkkopfschrauben (M3x8mm) (10 Stk.) |
| RA2076 | Button Socket screw (M3x8mm) (10pcs.) | Linsenkopfschraube (M3x8mm) (10 Stk.) |
| RA48L90 | Spur Gear 90 teeth, 48dp | Hauptzahnrad 90 Zähne 48dp |




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