

SCALE **4WD** Series

BOLT-ON KIT
PARTIAL ASSEMBLY REQUIRED

BOOMRACING®
Your Radio Control Car Specialist

BRX02

D130

1/10 4WD RADIO CONTROL CHASSIS KIT FOR LAND ROVER DEFENDER 130



WHERE HERITAGE MEETS PERFORMANCE

Welcome to the chassis build of your BRX02 Land Rover Defender 130.

This chassis combines advanced engineering, scale realism, and trail-proven performance. As you work through the build, you will assemble the systems that form the foundation of your Defender 130 and gain a deeper understanding of how the vehicle performs on the trail.

Take your time, enjoy the process, and thank you for choosing Boom Racing.

Included with your BRX02 D130 chassis kit is a set of original license plates, commonly used in the UK during the D130 production period. The plates consist of two groups of alphanumeric characters. From left to right, the characters consist of:

- The first two characters identify the BRX02 chassis
- The next letter identifies the chassis type - **S** for Shocks / **L** for Leaf
- The fourth character identifies the wheelbase or vehicle type – **1** for D110 / **3** for D130
- A three or four-letter sequence starting from 001, which uniquely distinguishes each of the vehicles displaying the same initial four-character chassis type and wheelbase sequence.



FRONT (WHITE)



REAR (YELLOW)



Scan to register your BRX02

Track Your Adventures with Scaletra

We're excited to partner with **Scaletra Adventure**, the RC tracking app for scale trail enthusiasts.

Scaletra lets you log your trail runs, build your virtual RC garage, join challenges, and connect with the community, and more!

As a BRX vehicle owner, you get exclusive benefits:

- Automatically sync your registered vehicles from your Boom Racing account to Scaletra.
- Register new BRX vehicles directly on Scaletra — they'll sync back to your Boom Racing account.
- Add an unlimited number of BRX vehicles to your Scaletra garage.
- Vehicle mileage syncs back to your Boom Racing account.



Thank you for choosing Boom Racing. Now get out there and commit some badassery!



A Bolt-On Kit means parts of the chassis are pre-assembled and require minor assembly for completion. The factory assembled parts offer convenience for builders eager to get started. This BRX02 D130 kit includes factory-assembled axles. Before installation and operation, inspect all axle assemblies to ensure that all screws are properly tightened and that all gears and moving components are adequately lubricated. Apply additional grease if necessary.



The Scale 4WD Series is Boom Racing's line of scale based 4WD R/C products geared towards realistic appearance.



NOT RECOMMENDED FOR CHILDREN UNDER 14

THIS CHASSIS KIT IS NOT A TOY. FIRST-TIME BUILDER SHOULD SEEK ADVICE FROM PEOPLE HAVING BUILDING EXPERIENCE IN ORDER TO ASSEMBLE THE MODEL CORRECTLY. ASSEMBLE THIS KIT ONLY IN PLACES OUT OF CHILDREN'S REACH.



BEFORE YOU PROCEED

Congratulations! Owning the BRX02 is a truly special experience.

Carefully read and follow all instructions to prevent serious damage to your model. Failure to follow these instructions will be considered abuse and/or neglect.

Study the instructions thoroughly before assembly.

There are many small screws, nuts and similar parts. Assemble them carefully referring to the drawings. Follow the steps exactly as shown to build the vehicle correctly without issues.

If you decide to return the BRX02, do not begin assembly. Your hobby dealer will not accept a model for return or exchange after you have started assembly.

Boom Racing offers Spare Parts & Upgrade Options for improved performance. Visit our website (<https://www.boomracing.com>) or your local Boom Racing dealer for assistance. Please note that specifications, availability and price are subject to change without notice.

SAFETY PRECAUTIONS

All of us here at Boom Racing want you to enjoy your new vehicle. Operate your BRX02 sensibly and with care, and it will be exciting, safe and fun for you and those around you. Failure to operate your BRX02 in a safe and responsible manner may cause damage and injury and void your warranty.

Follow these outlined rules for safe radio control operation

- Read carefully and fully understand the instructions before assembly.
- **This model is not intended for use by children (minors) under 14 years of age without the supervision of a responsible and knowledgeable adult who should also read the instructions.**
- When assembling this kit, extra care should be taken to avoid personal injury. Keep out of reach of small children.
- Avoid running the vehicle in crowded areas and near small children.
- BRX02 can be very fast and quiet. It could cause injury to those unaware of its presence.

Inspect Your BRX02 Before and After Operation

- Make sure that all screws and nuts are properly tightened.
- Use thread lock on screws for any metal on metal surface.
- Adjust steering servo and trim so that the BRX02 runs straight with transmitter in neutral.
- Disconnect/remove all batteries after operation.
- Replace any batteries that have been dented, are bloated, or have frayed wires, short circuits can cause fire.
- Completely remove sand, mud, dirt etc after use to prolong the life of the BRX02.
- Maintain bearings by cleaning or replacing them regularly.

WARRANTY

Boom Racing's One (1) Year Factory Limited Warranty – A Peace Of Mind Right From The Start

WHO IS COVERED

This warranty is extended to the original end-user that registers it online (<https://www.boomracing.com/vehicleregistration>) only, whether purchased or received as a gift.

FACTORY LIMITED WARRANTY

What Is Covered and For How Long

Boom Racing warrants that all new products are free from defects in manufacturing, materials and workmanship for a period of one (1) year from date of retail purchase. The receipt or invoice at the time of purchase is your proof of purchase and is required for Boom Racing to honor any warranty.

What Is Not Covered

It does not cover defects or malfunction caused by user error of assembly, damages due to normal wear and tear, failure to follow operating instructions, misuse or abuse, users' failure to perform routine maintenance, or use with products with which is not intended to be used. It also does not cover damages caused by unauthorized alteration, modification or repair. It does not cover cosmetic or incidental damages. Boom Racing does not warrant or provide service or support for any third party products.

The JX mini servo warranty will be void if it is disassembled.

What We Will Do

We will, at our discretion, repair or replace any product free of charge that is incorrectly made or proves to be defective in material or workmanship during the warranty period. If your product is no longer being manufactured or is out of stock, we may replace your product with a comparable or improved product at our option.

What We Will Not Do

We will not pay for shipping, insurance or transportation charges from you to us, or any import fees, duties and taxes.

What To Do To Obtain Warranty Service

To obtain warranty service for products purchased from a third-party, retail or directly from Boom Racing you must return the product with proof of purchase using the following procedures:

1. Contact Boom Racing Customer Support for specific warranty instructions via our website, by email, telephone, or our social media accounts:
 - Online @: <https://www.boomracing.com/contact-us>
 - Online @ Support Ticket: <https://www.boomracing.com/help>
 - Email: sales@boomracing.com
 - Telephone: 1-209-676-8880
 - Facebook Messenger: (www.facebook.com/boomracingrc) or Instagram: DM @boom_racing

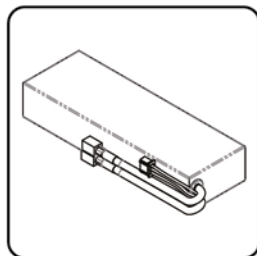
You may be asked to complete a warranty service request form. A copy of your purchase receipt may be required.
2. Our Customer Support may ask you to return and ship the defective product back to us. Label and ship the product, freight prepaid, to the address provided by Boom Racing; and
3. Place any necessary return authorization number prominently on the outside of the return packaging. Return packaging not bearing a return authorization number where required may be refused.

Boom Racing reserves the right to final decision, change or modify this warranty without notice.

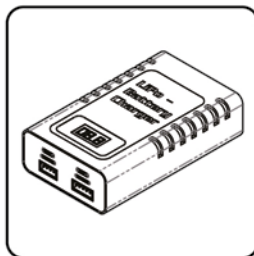
Equipment Required



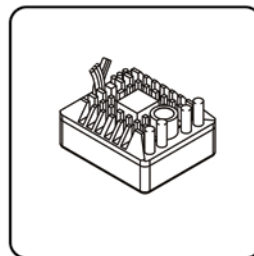
4-Channel Radio System



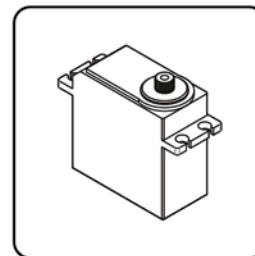
Battery



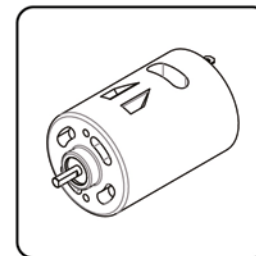
Charger



ESC



Steering Servo



540/550 Motor

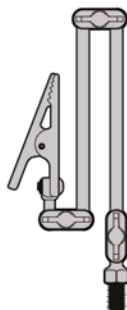
Tools Recommended



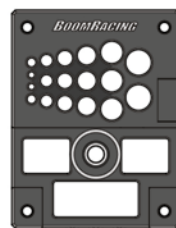
KUDU™ Allen Hex Wrench Set
#BRKT10020



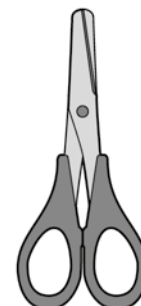
Shock Slime Grease 5g
#BGRS09-5GB



Multifunctional Soldering Jig
#BRT10058



Multipurpose Shock Pliers
#BRT10065



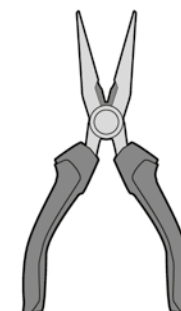
Scissors



Hobby Knife



Slot Screwdriver



Long Nose Pliers

Icon Legend

These icons indicate safety warnings, required materials, and build tips used throughout this manual.



Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)



Black Graphite Grease

Lubricate all gears. Apply grease to the places shown by this mark. Apply grease first, then assemble.



Silicone Grease

Lubricate all moving parts including joints and bearings. Apply grease to the places shown by this mark. Apply grease first, then assemble.



Shock Oil

Apply shock oil to the places shown by this mark.



Apply Double Side Tape



Oil Leak Resistant

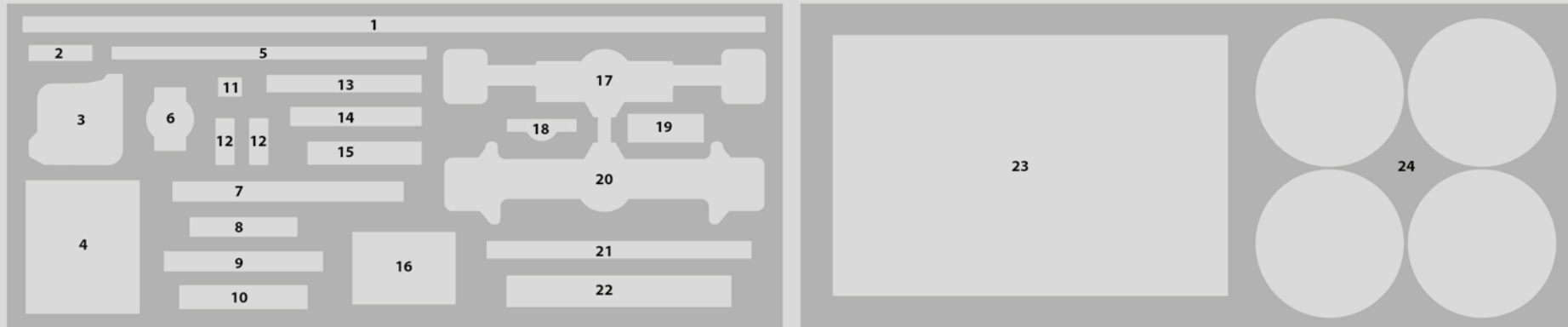


Item not included.



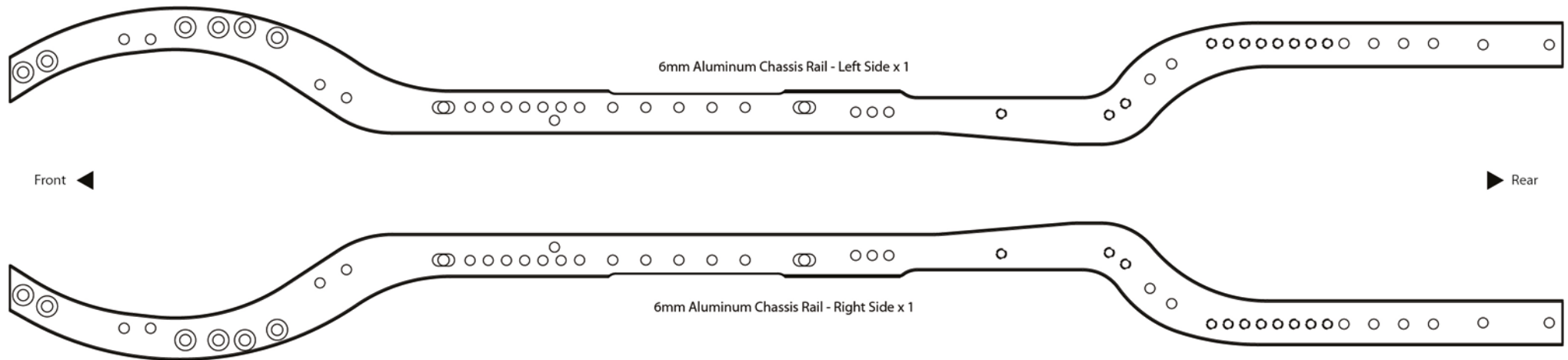
Pay attention to note on page.

PART LOCATION MAP (TOP)



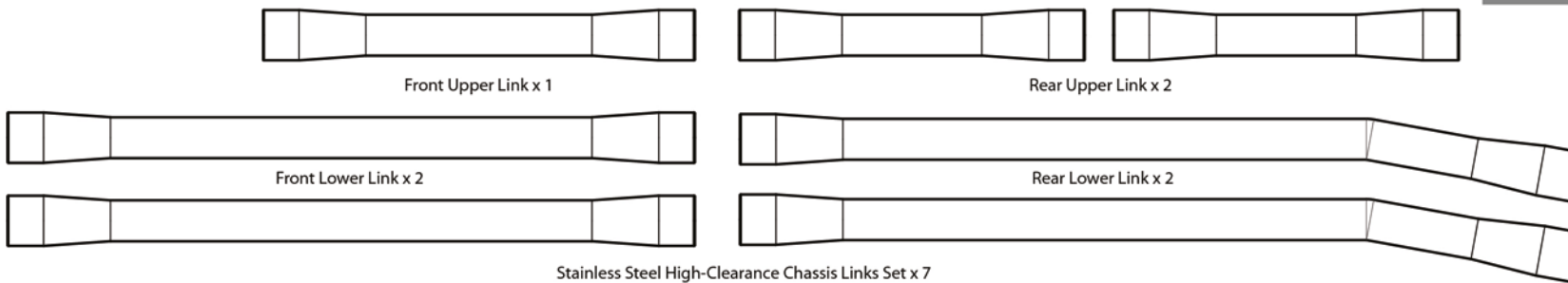
1

#BRX027030

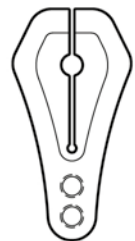


22

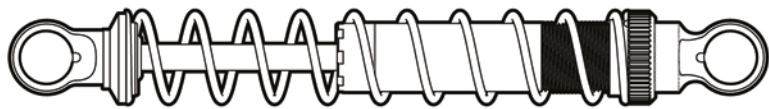
#BRX027032



4

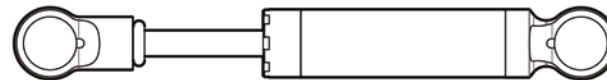

 Aluminum Low-Profile
 Servo Horn 25T x 1
 #BR955014BK

9



KUDU™ 90mm Coilover Scale Shock Absorber x 2
#BRSH0090-SP

9



KUDU™ 70mm Scale Shock Absorber x 2
#BRSH0070

10



KUDU™ Shock Spring Hard (Yellow) 65mm x 2
#BRKSPRING-65Y

10



KUDU™ 40mm Solid Axle Coil Spring Green (Medium) x2
#BRSP40-SPRINGG

10



KUDU™ 40mm Solid Axle Coil Spring Yellow (Hard) x 2
#BRSP40-SPRINGY

4



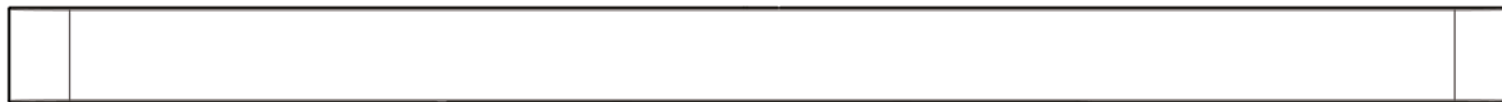
BADASS™ Heavy-Duty
Stainless Steel End Pivot
Balls 5.8x3x7.4mm x 8
#BRW750310

4

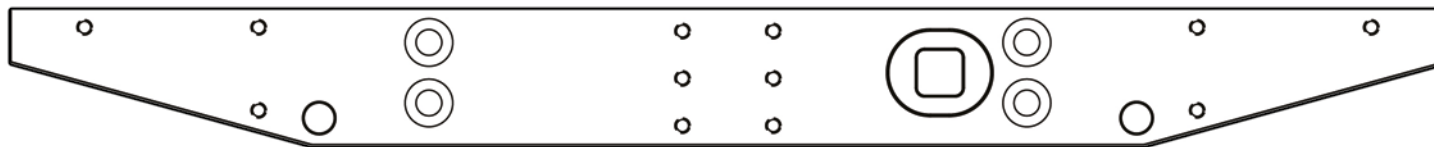


Joint Retainer for
KUDU™ Shock
Absorbers x 8
#BRSHJR

5



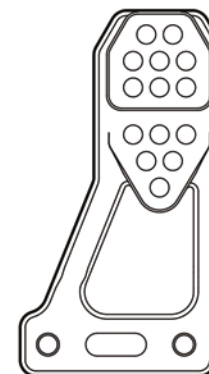
Front Bumper x 1
#BRX027035



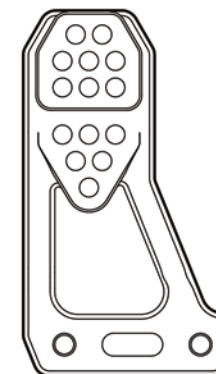
Rear Bumper x 1
#BRX020015R

19

#BRX020018F

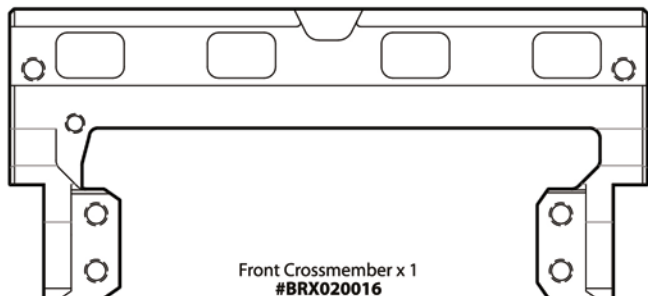


Front Shock Mount - Left x 1



Front Shock Mount - Right x 1

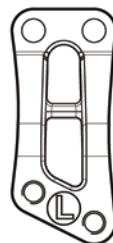
14



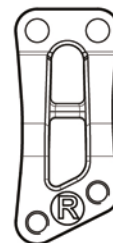
Front Crossmember x 1
#BRX020016

11

#BRX020110

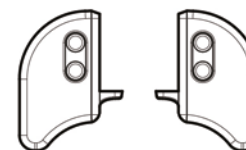


Side Gearbox Mount
- Left x 1



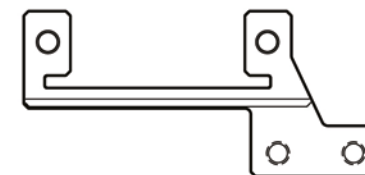
Side Gearbox Mount
- Right x 1

23



Front Bumper End Cap x 2
#BRX027036

4



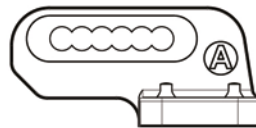
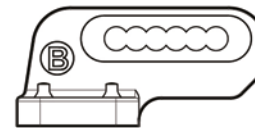
Mini Servo Mount x 1
#BRX027045

15

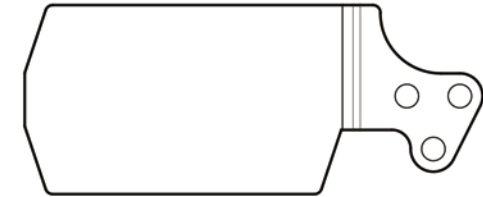

 Rear Crossmember x 1
 #BRX020012

4

#BRX027039


 Top Bracket for KUDU™
 Solid Axle Coil Spring - A x 1

 Top Bracket for KUDU™
 Solid Axle Coil Spring - B x 1

4

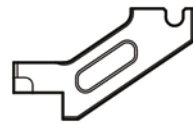

 Front ESC Mount Bracket x 1
 #BRX020106

4

#BRX027044

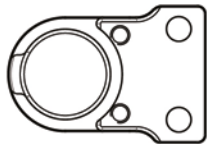


Mini Servo Mount x 1

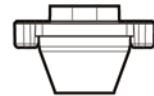


Wire Retainer x 1

4

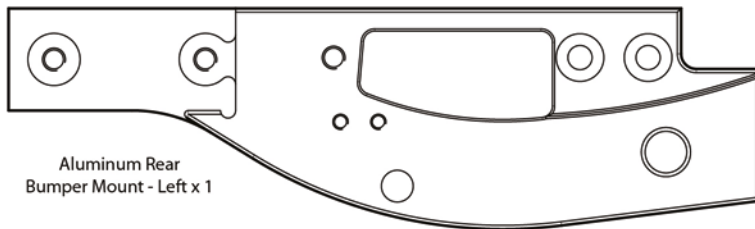
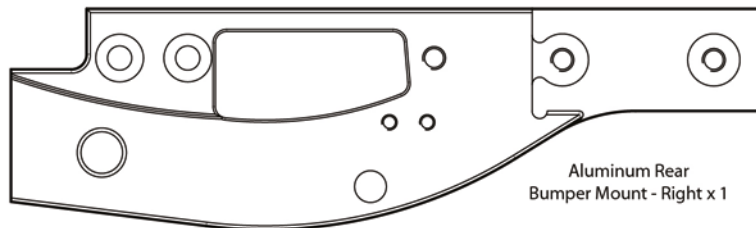

 Bottom Mount for KUDU™
 Solid Axle Coil Spring x 2
 #BRX027041

4


 Top Mount for KUDU™
 Solid Axle Coil Spring x 2
 #BRX027040

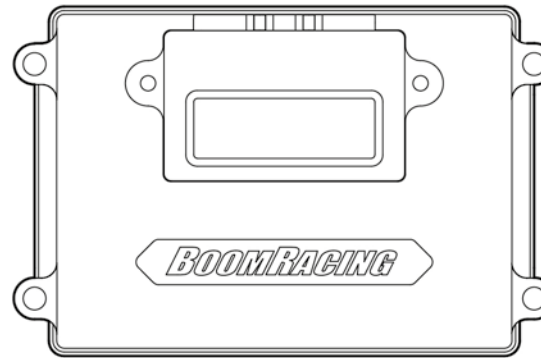
13

#BRX027031


 Aluminum Rear
 Bumper Mount - Left x 1

 Aluminum Rear
 Bumper Mount - Right x 1

16

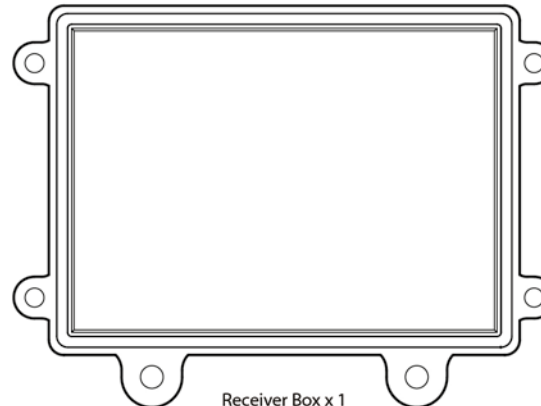
#BRLC7033



Receiver Box Lid x 1

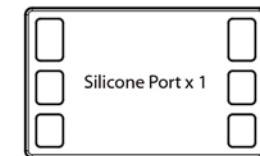


Stainless Steel Sealing Plate x 1

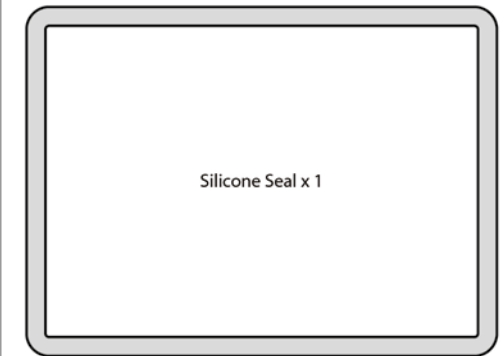


Receiver Box x 1

#BRLC7033A

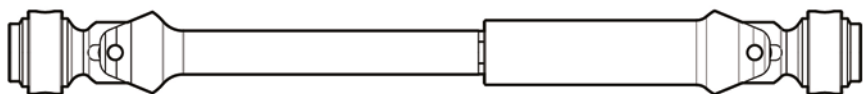


Silicone Port x 1



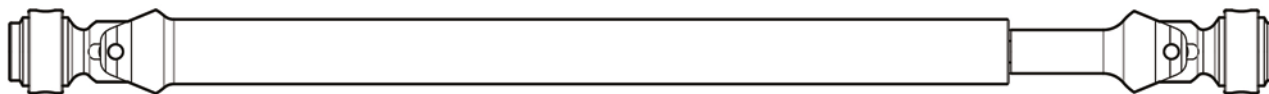
Silicone Seal x 1

21

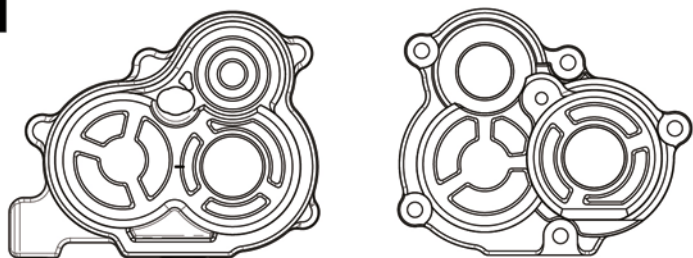


KUDU™ Heavy-Duty 102.5-121mm Steel CVD Center Drive Shaft x 1
#BRKD003-112

KUDU™ Heavy-Duty 158-183mm Steel CVD Center Drive Shaft x 1
#BRKD003-167

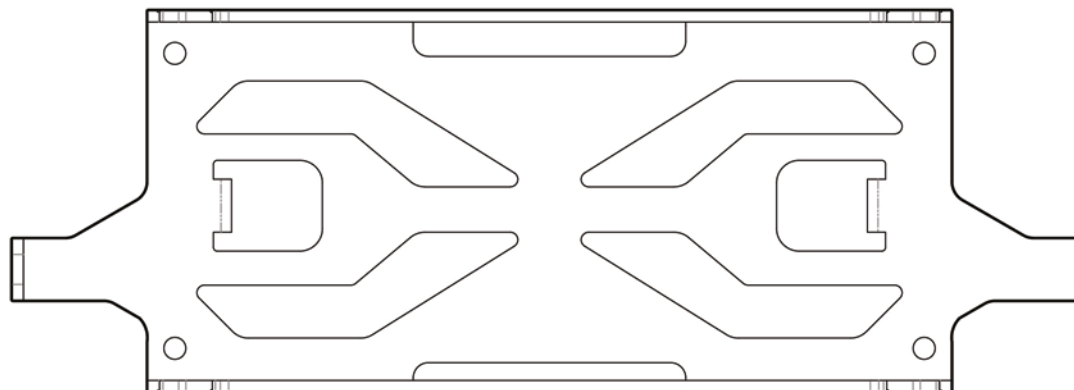


6



Aluminum SWD™ Transfer Case Housing x 1
#BRX027037

22



Aluminum Battery Tray x 1
#BRX020021

22



Shift Rod x 1
#BRX020051

7



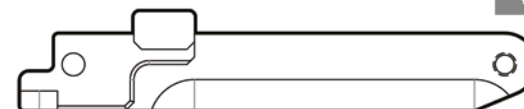
Quick Release Body Mount - Right x 1



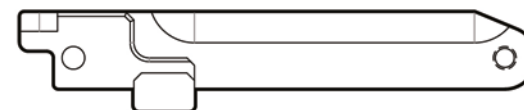
Quick Release Body Mount - Left x 1

#BRX020062

8



Quick-Release Body Mount Extension - Right x 1



Quick-Release Body Mount Extension - Left x 1

#BRX020063

2



Body Post x 4
#BRX020039

22



Quick-Release Body Latch x 2
#BRX020061

15



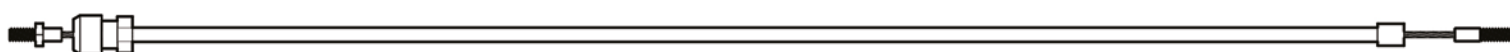
Mid Crossmember x 1
#BRX020014

23



Body Latch Pin x 4
#BRX020034

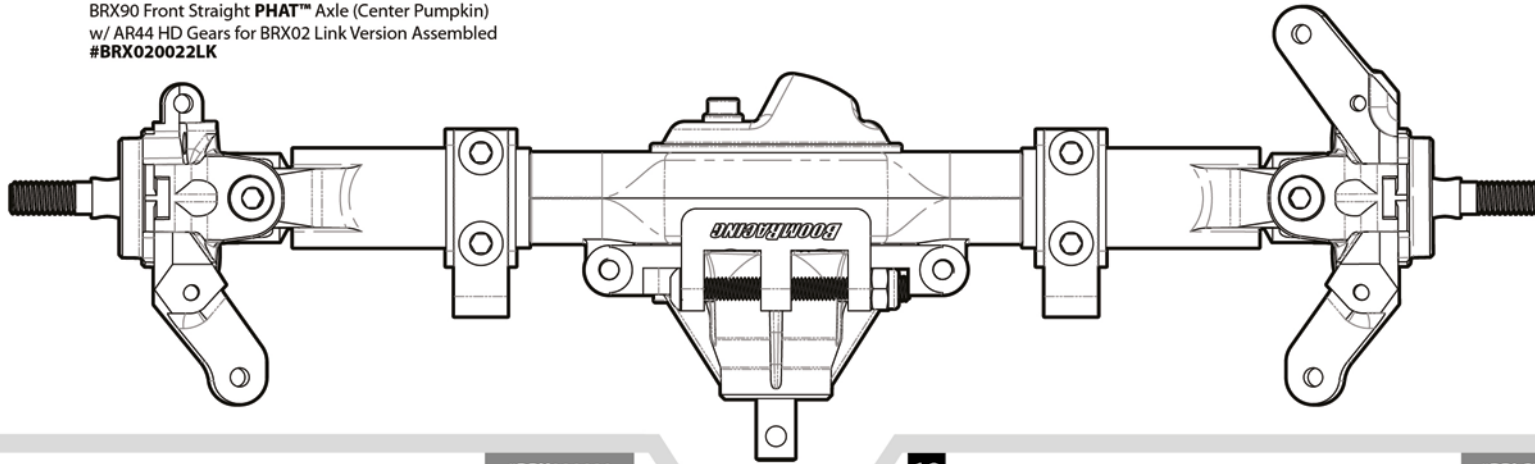
23



Wire Cable for
BRX02 DIG / SWD
Transfer Case x 1
#BRX020104

20

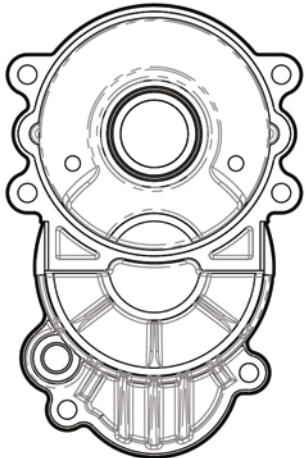
BRX90 Front Straight **PHAT™** Axle (Center Pumpkin)
w/ AR44 HD Gears for BRX02 Link Version Assembled
#BRX020022LK



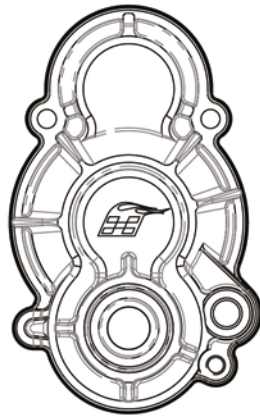
3

BCF2™ Gearbox Transmission w/ Bearing Holder Set

#BRX020029

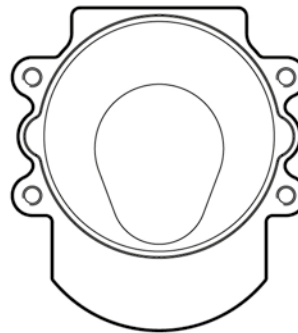


Gearbox Housing A x 1

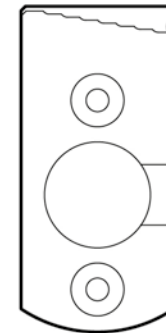


Gearbox Housing B x 1

18



Aluminum Gearbox Adapter x 1

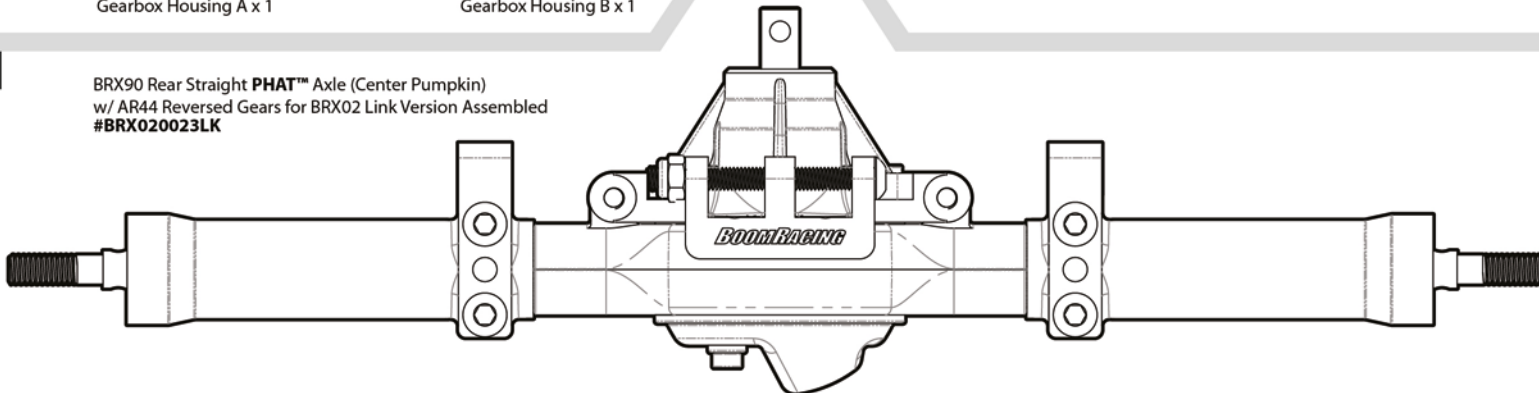


Stainless Steel Motor Mount x 1

#BRLC7027

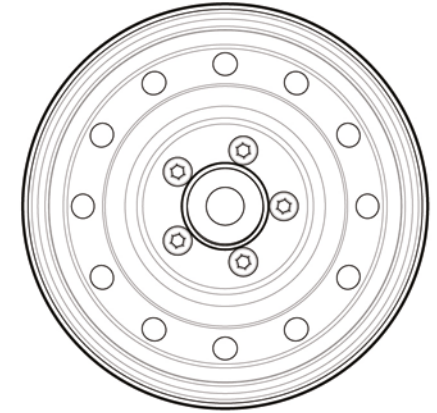
17

BRX90 Rear Straight **PHAT™** Axle (Center Pumpkin)
w/ AR44 Reversed Gears for BRX02 Link Version Assembled
#BRX020023LK



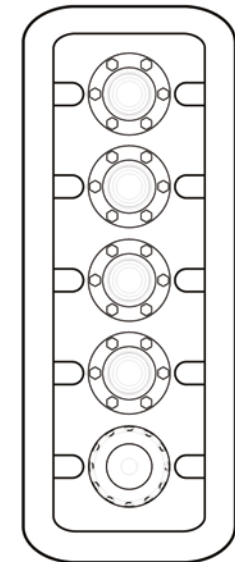
24

BOOMRACING®
Your Radio Control Car Specialist



1.9" Wolf Steelie Reversible Beadlock Wheels
w/ ProBuild™ XT504V2 Hub x4
#BRW780928

23



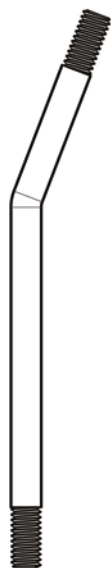
Retro Nylon Center Wheel Cap x4
(XT5 Series) w/ Tool
#BRW780944

4



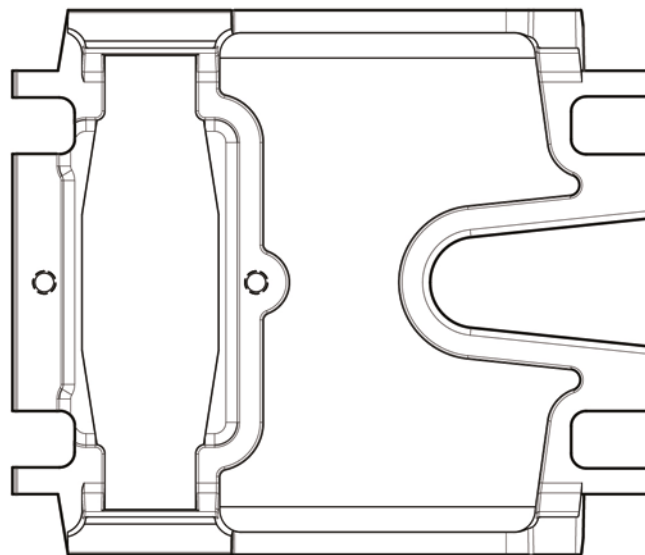
Axle Panhard Mount x 1
#BRX020024

22



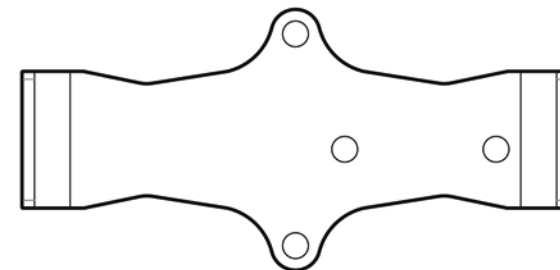
Stainless Steel
Panhard Bar x 1
#BRX027033

4



Extended High-Clearance Center Skid Plate x 1

#BRX027034



Stainless Steel Plate for BRX02 Center Skid Plate (pre-assembled)
#BRX020020A

4



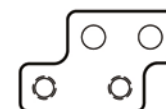
Chassis Panhard Mount x 1
#BRX020025

22



Stainless Steel Adjustable
Drag Link - 55mm x 1
#BRLC7050-1

4



Steering Servo Mount x 2
#BRX020007

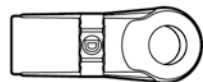
23



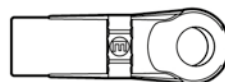
KUDU™ Nylon Rod End
(Straight 18.5mm) x 13
#BRW750306A



KUDU™ Nylon Rod End
(Straight 21.8mm) x 1
#BRW750309B



KUDU™ Nylon Rod End
(Upwards 20mm) x 5
#BRW750307D

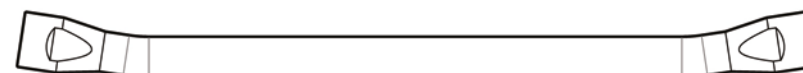


KUDU™ Nylon Rod End
(Upwards 23.7mm) x 1
#BRW750310E



BADASS™ Heavy-Duty
Stainless Steel End Pivot
Balls 5.8x3x7.4mm x 20
#BRW750310

22



Stainless Steel Tie Rod x 1
#BRD9022A

23 A CHASSIS



M3x12 RS x 10
#BRASBH3012



M3x10 RS x 12
#BRASBH3010



M3x8 RS x 16
#BRASBH3008



M3x6 RS x 2
#BRASBH3006



M2.5x6 RS x 2
#BRASBH2506



M2.5x4 RS x 8
#BRASBH2504



M2.5x8 SC x 1
#BRASCH2508



M2.5x6 SC x 2
#BRASCH2506



M3x5 Steel
Hex Cap Screw x 2
#BRASHS3055



M3x10 CSS x 17
#BRASFH3010



M3x8 CSS x 4
#BRASFH3008



M3x6 CSS x 1
#BRASFH3006



M3x4 SS x 2
#BRASST3004



M3x3 SS x 4
#BRASST3003

23 B LINKS / SHOCKS



M3x30 RS x 4
#BRASBH3030



M3x22 RS x 2
#BRASBH3022



M3x20 RS x 4
#BRASBH3020



M3x18 RS x 1
#BRASBH3018



M3x16 RS x 8
#BRASBH3016



M3x12 RS x 5
#BRASBH3012



M3x10 RS x 1
#BRASBH3010



M2.5x4 RS x 2
#BRASBH2504



M3 Nut - Nyloc x 7
#BRASNUTM3



M3x18 CSS x 2
#BRASFH3018



M4x16 SS x 16
#BRASST4016



D3x6x3
Tapper Spacer x 4
#BRLC7041



D3x6x5
Tapper Spacer x 6
#BRLC7040



D6x1.5
O-Ring x 2
#BRSORD6-15



D4x7x2
Spacer x 2
#BRASSPD427

23 C WHEELS



5mm Wheel Hex x 2
#BR113008BK



M4 Nuts - Nyloc x 4
#BRASNUTM4



8mm Wheel Hex x 4
#BRLC7056



M3x3 SS x 4
#BRASST3003



D2x10 Pin x 4
#BRASPIN210

BRX02

24

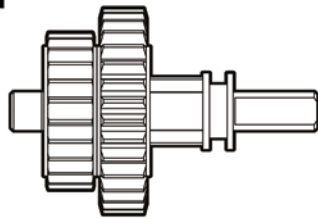


12

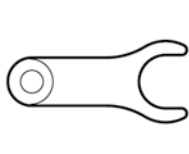


PYTHON™ 125Mini HV Waterproof
Aluminum Mini Servo
125oz-in / 9kg-cm @ 8.4V
#BRPS125MINI

23



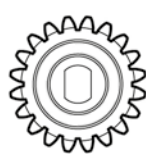
2-Speed Gear Unit x 1
#BRLC7044E



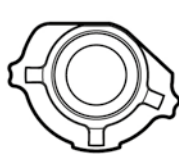
Shifter x 1
#BRLC7045B



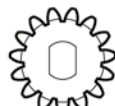
Spur Gear Mount x 1
#BRLC7030



Spur Gear 20T x 2
#BRLC7029-20T



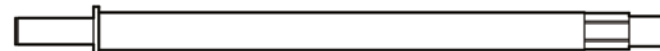
Bearing Holder x 1
#BRX020029



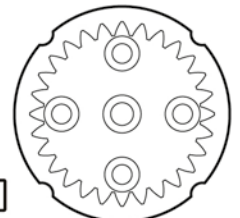
Spur Gear 15T x 1
#BRLC7029-15T



D5x11x4 Ball Bearing x 7
#BBZMR1152RS



D130 High Efficiency Coupling Shaft x 1
#BRX027042



Internal Spur Gear 28T x 1
#BRLC7031

23 D GEARBOX / TRANSFER CASE



M3x8 SC x 2
#BRASCH3008



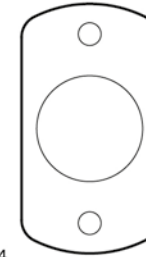
M2.5x10 SC x 4
#BRASCH2510



M2.5x8 SC x 8
#BRASCH2508



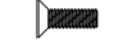
M2x8 SC x 5
#BRASCH2008



Motor Spacer x 1
#BRLC7032



M1.6x5 SC x 1
#BRASCH1605



M2.5x8 CSS x 1
#BRASFH2508



M2x5 CSS x 4
#BRASFH2005



M3/2.4x12 SS x 4
#BRASST3024/DS



D4x7x0.5 Spacer x 1
#BRASSPD4705



D5x8x0.1 Spacer x 4
#BRASSPD5801



D5x8x0.5 Spacer x 4
#BRASSPD5805



D5x7x0.5 Spacer x 4
#BRASSPD5705

23 G SERVOS



Follower
Horn A



Initiator
Horn A



Spring
Horn A

#BRX027046



D2 Ball & Rod End x 2
#BRQ90351



M2x7 RS x 2
#BRASBH2007



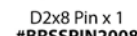
M2.5x4 RS x 1
#BRASBH2504



M3x6 RS x 11
#BRASBH3006



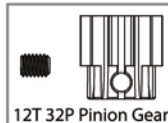
M2x8 SC x 2
#BRASCH2008



D2x8 Pin x 1
#BRSSPIN2008



E-Clip x 2
#BRASEC30

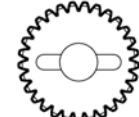


12T 32P Pinion Gear
#BRPG3212-3

23 H GEARS, SHAFTS & BEARINGS - TRANSFER CASE



20T Spur Gear x 1
#BRLC70210



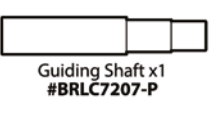
29T Spur Gear x 2
#BRLC70210



D4x10x4
Ball Bearing x 2
#BBZMR1042RS



D5x10x4 Ball Bearing x 2
#BBZMR1052RS



Guiding Shaft x 1
#BRLC7207-P



Shifter Guide
Shaft x 1
#BRX027043



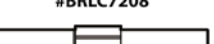
Catcher x 1



Shift Fork x 1



D5x14x5 Ball Bearing x 4
#BBZ6052RS



Rear Output Shaft x 1
#BRLC7208



Front Output Shaft x 1
#BRLC70301-B

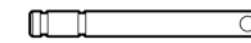
23 I GEARS, SHAFTS & BEARINGS - GEAR BOX



Spur Gear 12T x 1
#BRLC7029-12T



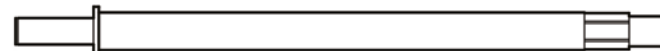
D7x11x3 Ball Bearing x 1
#BBZMR1172RS



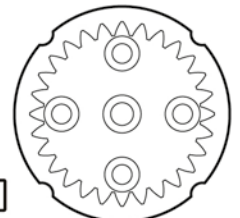
Shift Shaft x 1
#BRLC7045C



Input Shaft x 1
#BRLC7044B



D130 High Efficiency Coupling Shaft x 1
#BRX027042



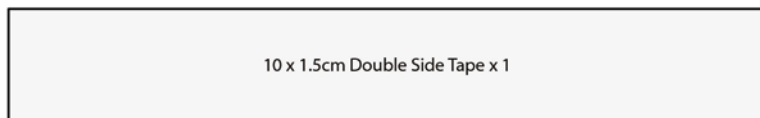
Internal Spur Gear 28T x 1
#BRLC7031

23



Extension Cable x 2
#BRLC7095

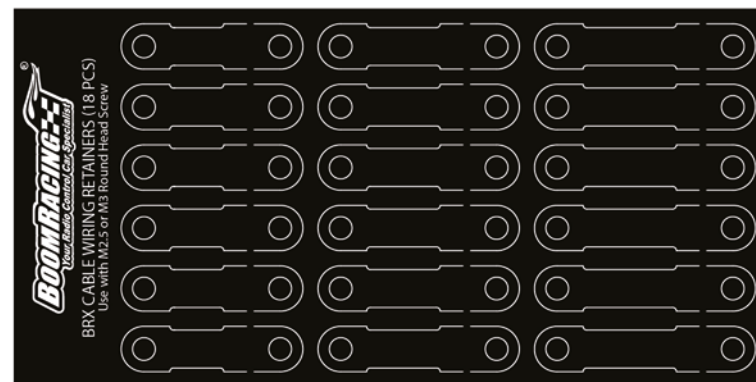
23



10 x 1.5cm Double Side Tape x 1

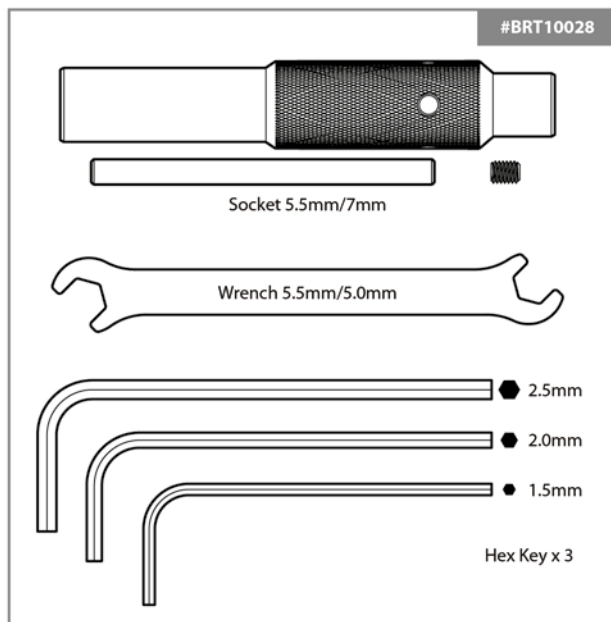


23



Cable Wiring Retainers
#BRT10037

23



#BRT10028

Socket 5.5mm/7mm

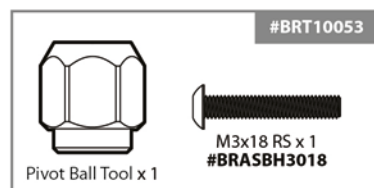
Wrench 5.5mm/5.0mm

2.5mm

2.0mm

1.5mm

Hex Key x 3



#BRT10053

Pivot Ball Tool x 1

M3x18 RS x 1
#BRASBH3018

23



Black Graphite Grease 10g x 1
#BRGR51055-10



Silicone Grease 10g x 1
#BRGR510274-10



30WT Shock Oil 15ml x 1
(Available separately in 60ml)
#BRSHK030



242 Thread Lock 2g x 1
(Available separately in 10g)
#BRGR5242



1 - CHASSIS RAIL

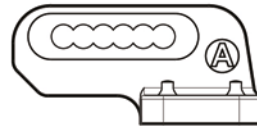
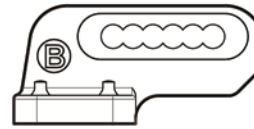
Parts Needed:


 Body Latch Pin x 4
 #BRX020034

 Body Post x 4
 #BRX020039

 Chassis Panhard Mount x 1
 #BRX020025

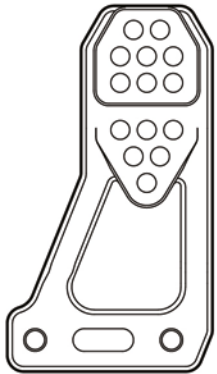
#BRX027039


 Top Bracket for KUDU™
 Solid Axle Coil Spring - A x 1

 Top Bracket for KUDU™
 Solid Axle Coil Spring - B x 1

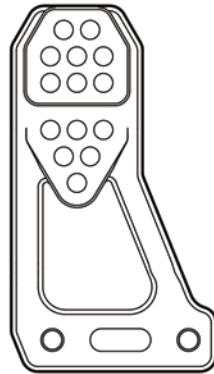
#BRX027031

 Aluminum Rear
 Bumper Mount -
 Left & Right

#BRX020018F



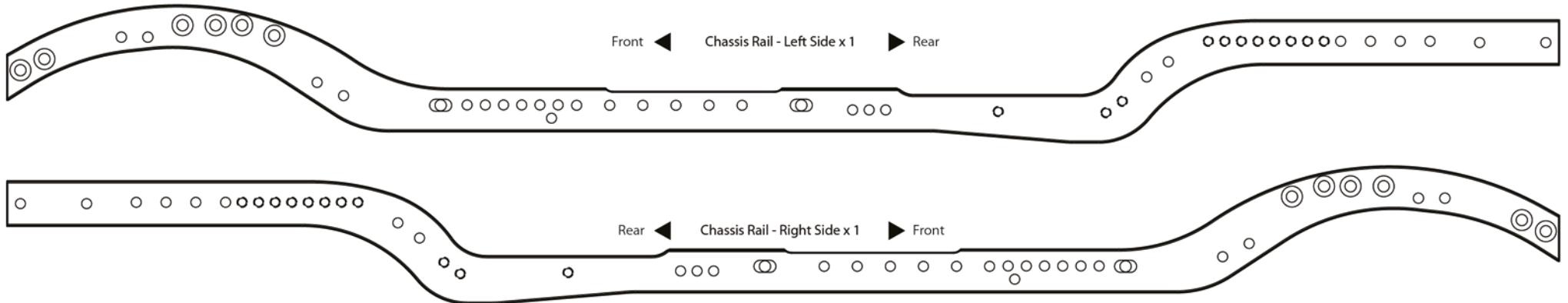
Front Shock Mount - Left x 1



Front Shock Mount - Right x 1

#BRX020110


 Side Gearbox Mount
 - Left x 1

 Side Gearbox Mount
 - Right x 1


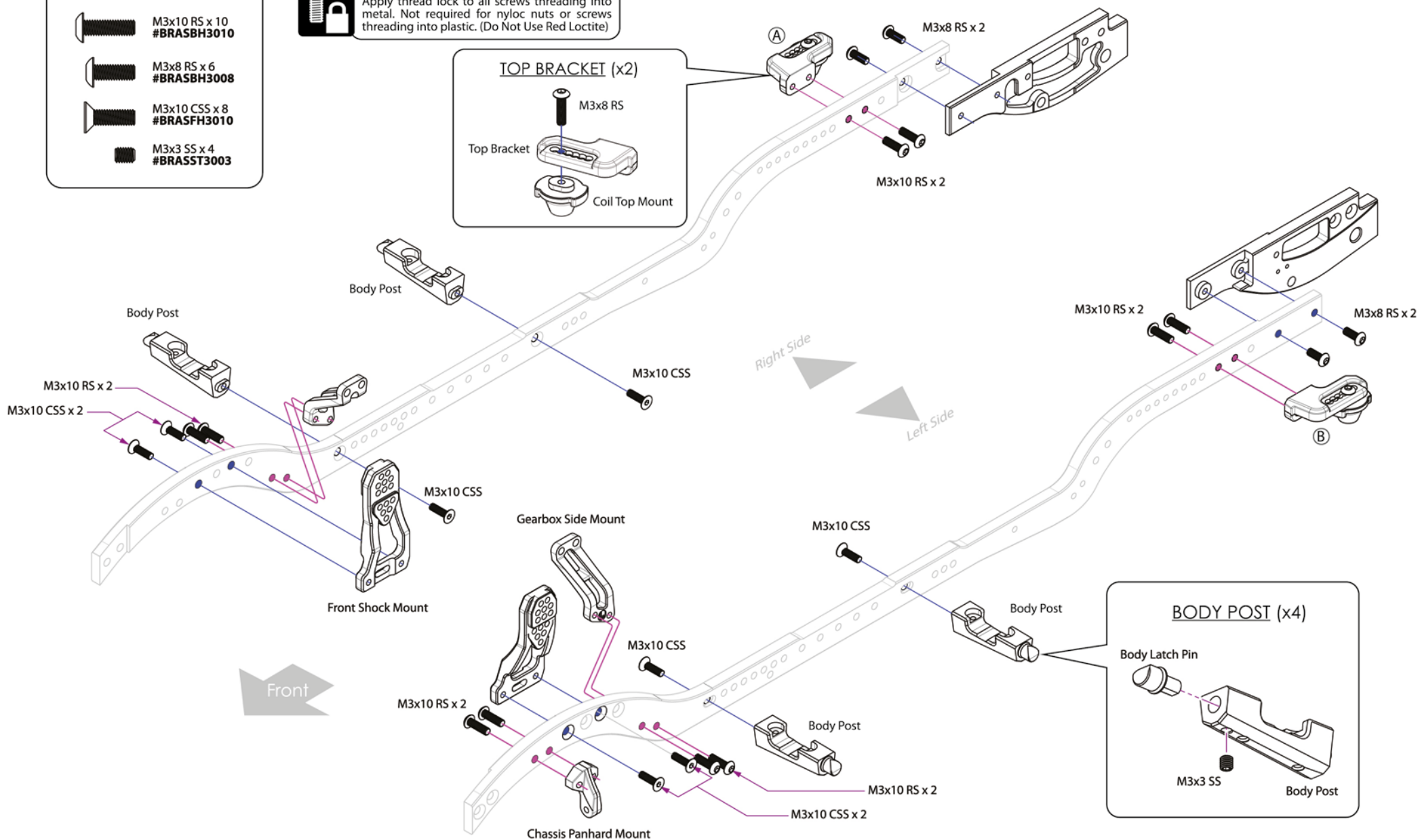
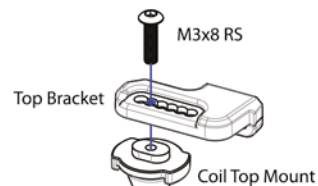
#BRX027030

A CHASSIS

-  M3x10 RS x 10
#BRASBH3010
-  M3x8 RS x 6
#BRASBH3008
-  M3x10 CSS x 8
#BRASFH3010
-  M3x3 SS x 4
#BRASST3003

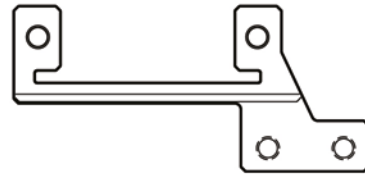
**Thread Lock Required**

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

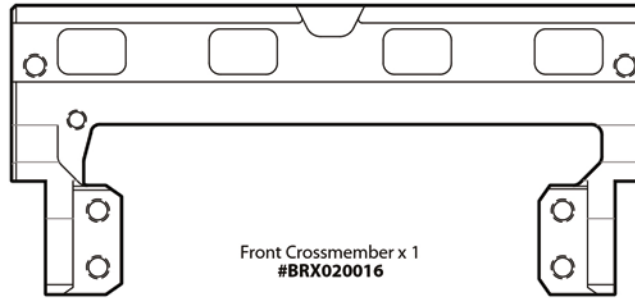
TOP BRACKET (x2)

2 - CHASSIS

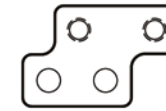
Parts Needed:



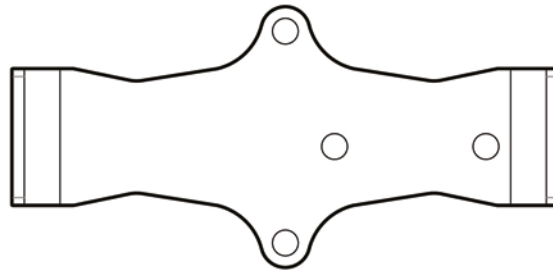
Mini Servo Mount x 1
#BRX020009



Front Crossmember x 1
#BRX020016



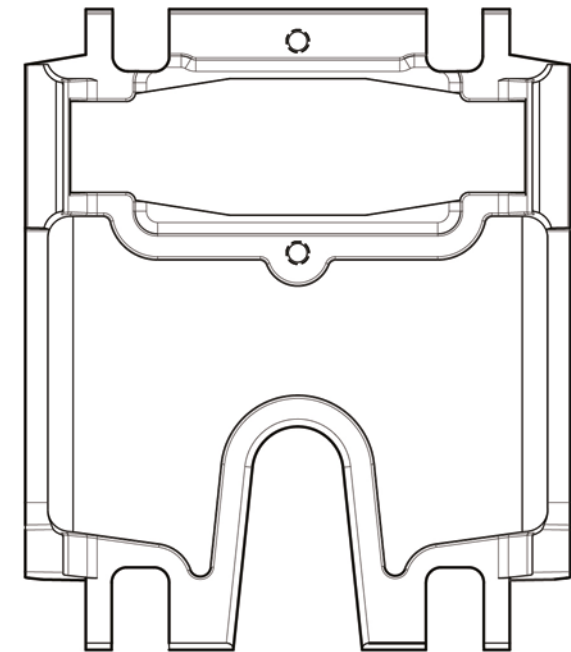
Steering Servo Mount x 2
#BRX020007



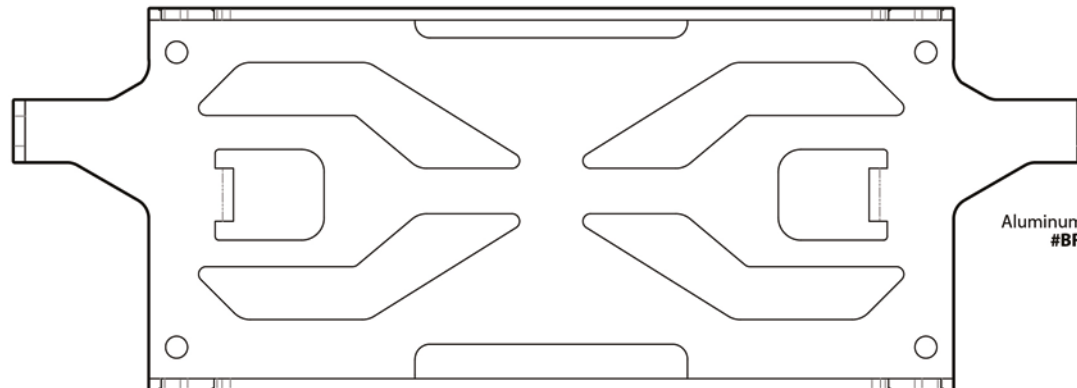
Stainless Steel Plate for BRX02 Center Skid Plate (pre-assembled)
#BRX020020A



Mid Crossmember x 1
#BRX020014



Extended High-Clearance Center Skid Plate x 1
#BRX027034



Aluminum Battery Tray x 1
#BRX020021



Rear Crossmember x 1
#BRX020012

A CHASSIS

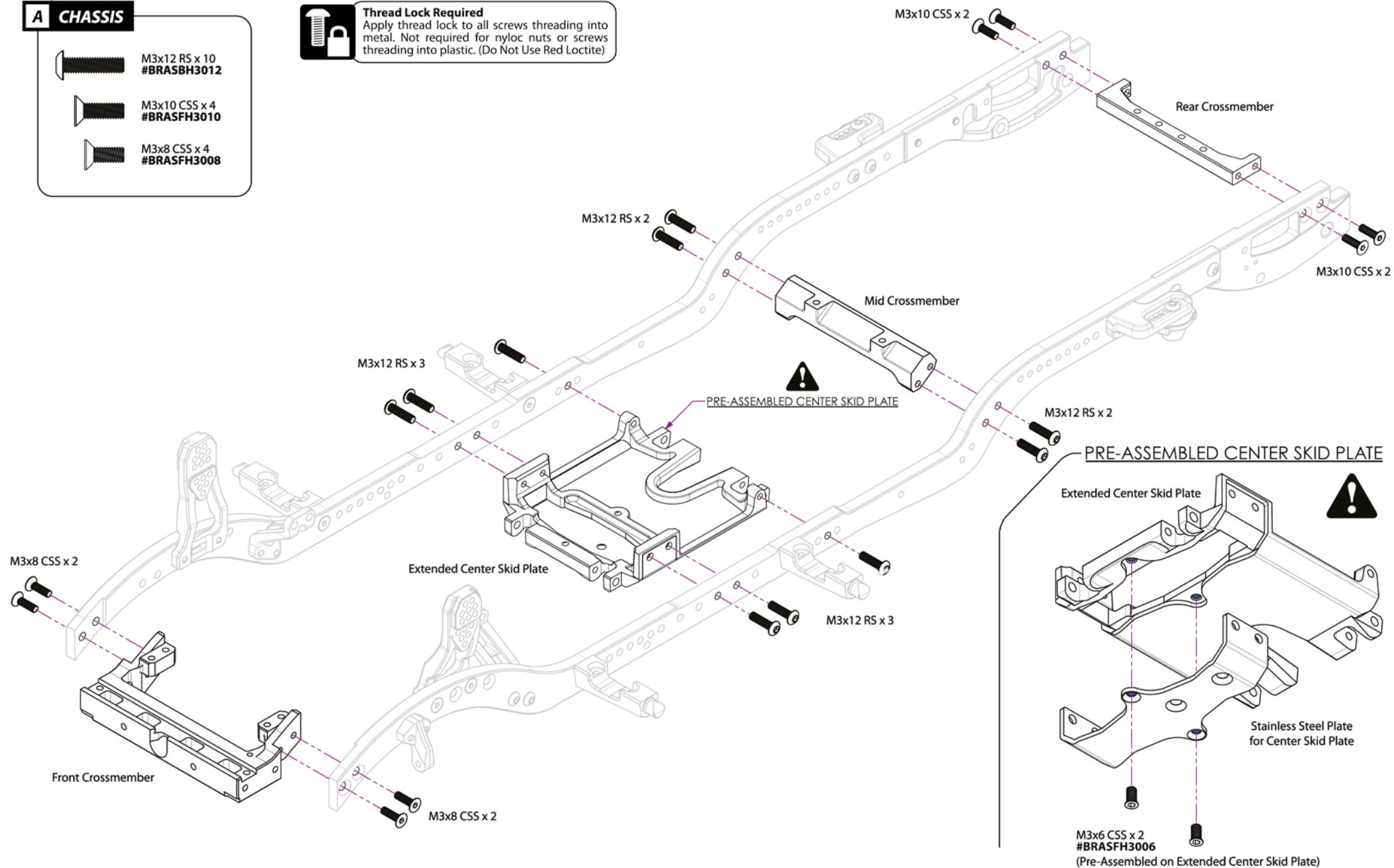
 M3x12 RS x 10
#BRASBH3012

 M3x10 CSS x 4
#BRASFH3010

 M3x8 CSS x 4
#BRASFH3008

**Thread Lock Required**

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)



A CHASSIS
 M3x10 RS x 2
#BRASBH3010
 M3x8 RS x 4
#BRASBH3008

Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

Mini Servo Mount

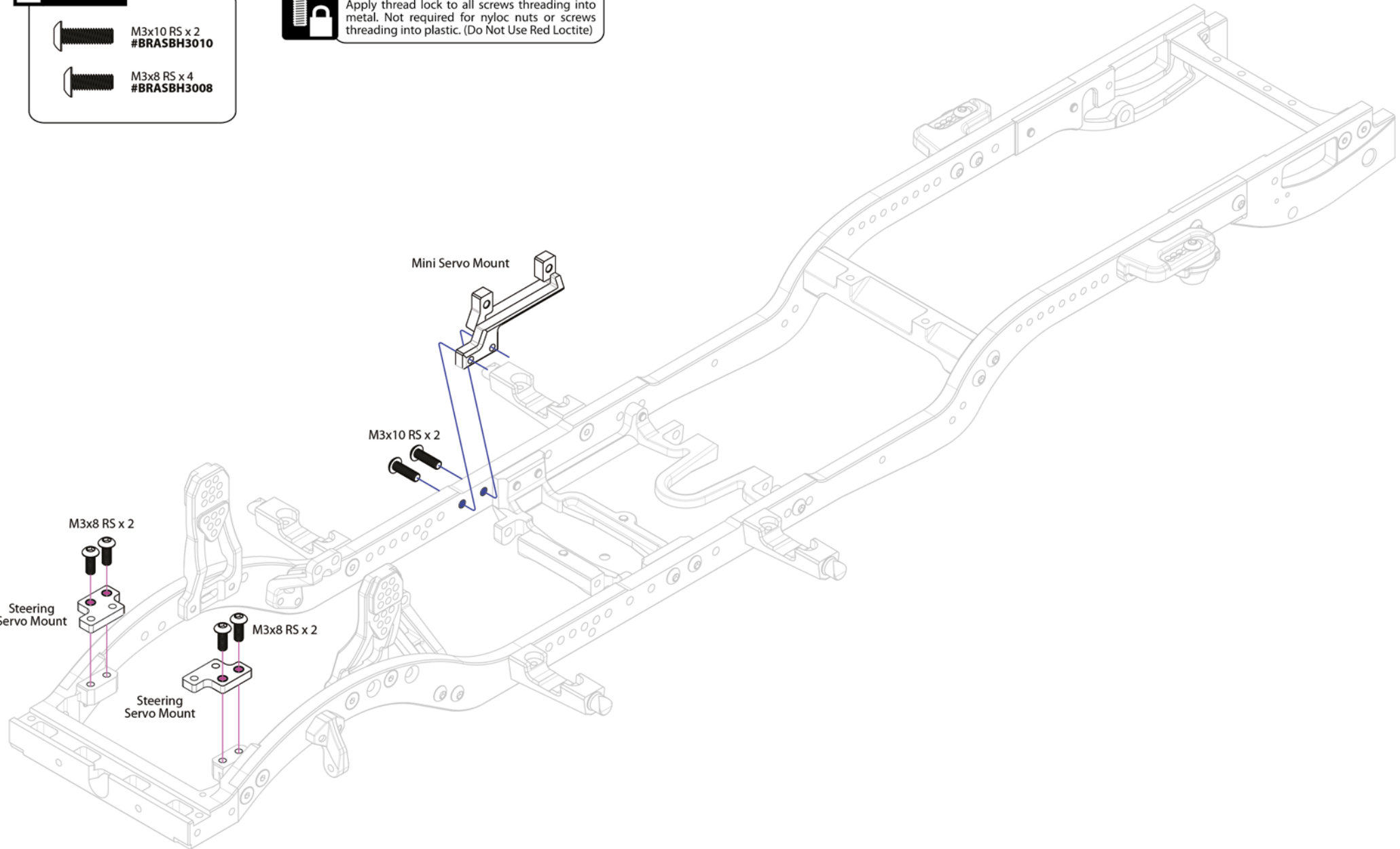
M3x10 RS x 2

M3x8 RS x 2

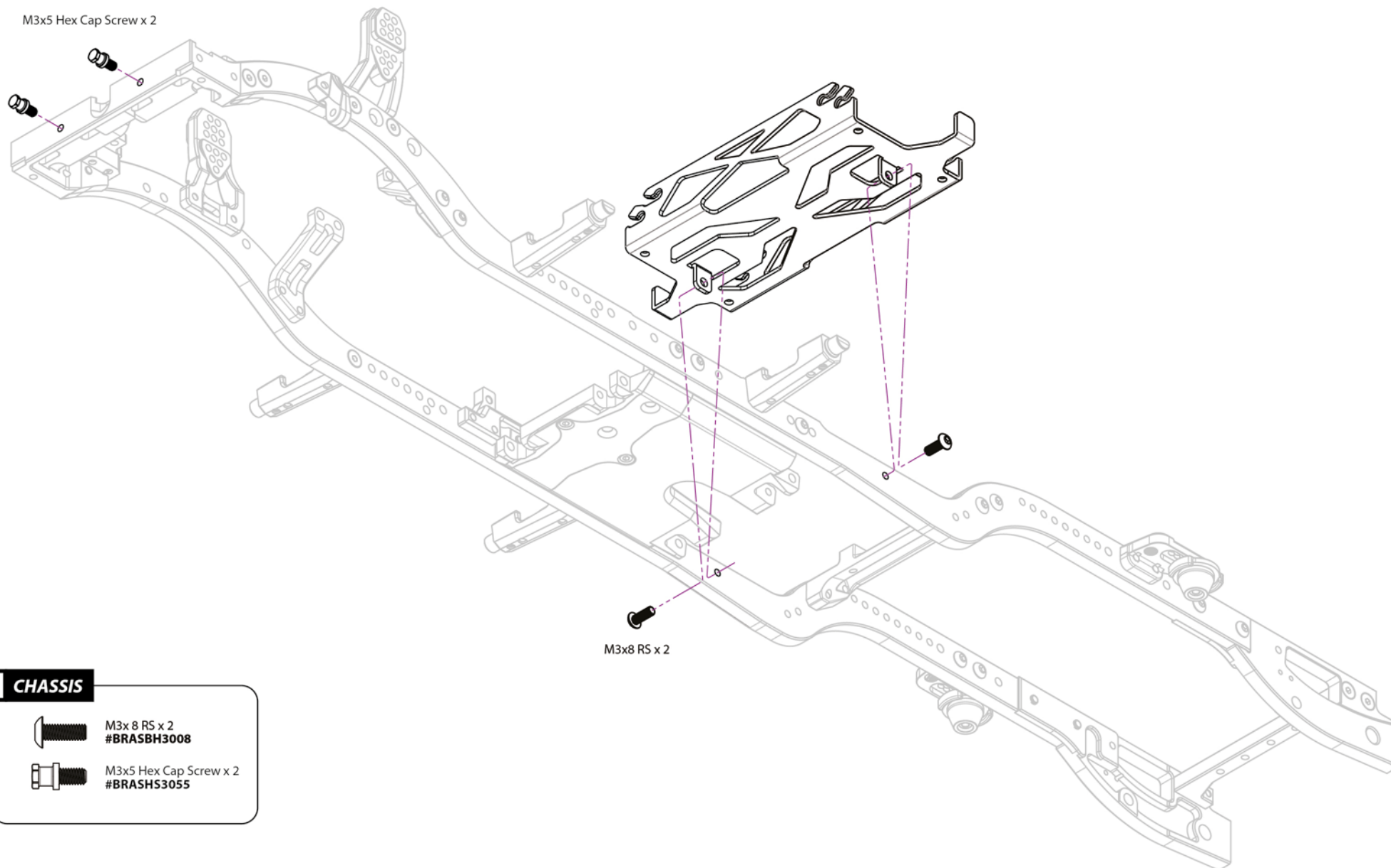
 Steering
 Servo Mount

 Steering
 Servo Mount

M3x8 RS x 2



M3x5 Hex Cap Screw x 2



M3x8 RS x 2

A CHASSIS



M3x 8 RS x 2
#BRASBH3008



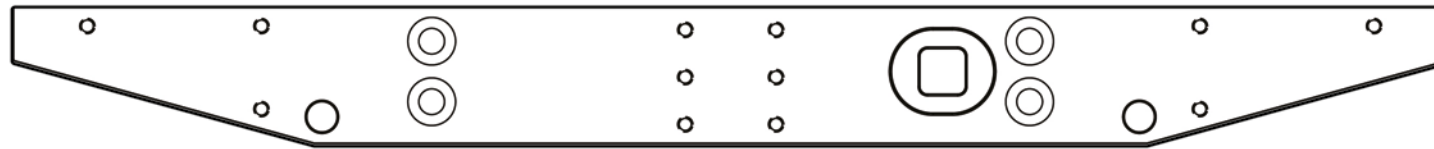
M3x5 Hex Cap Screw x 2
#BRASHS3055

3 - BUMPERS

Parts Needed:



Front Bumper x 1
#BRX027035



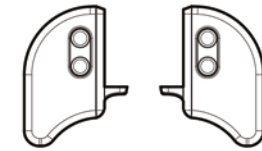
Rear Bumper x 1
#BRX020015R

A CHASSIS

M3x10 CSS x 4
#BRASFH3010

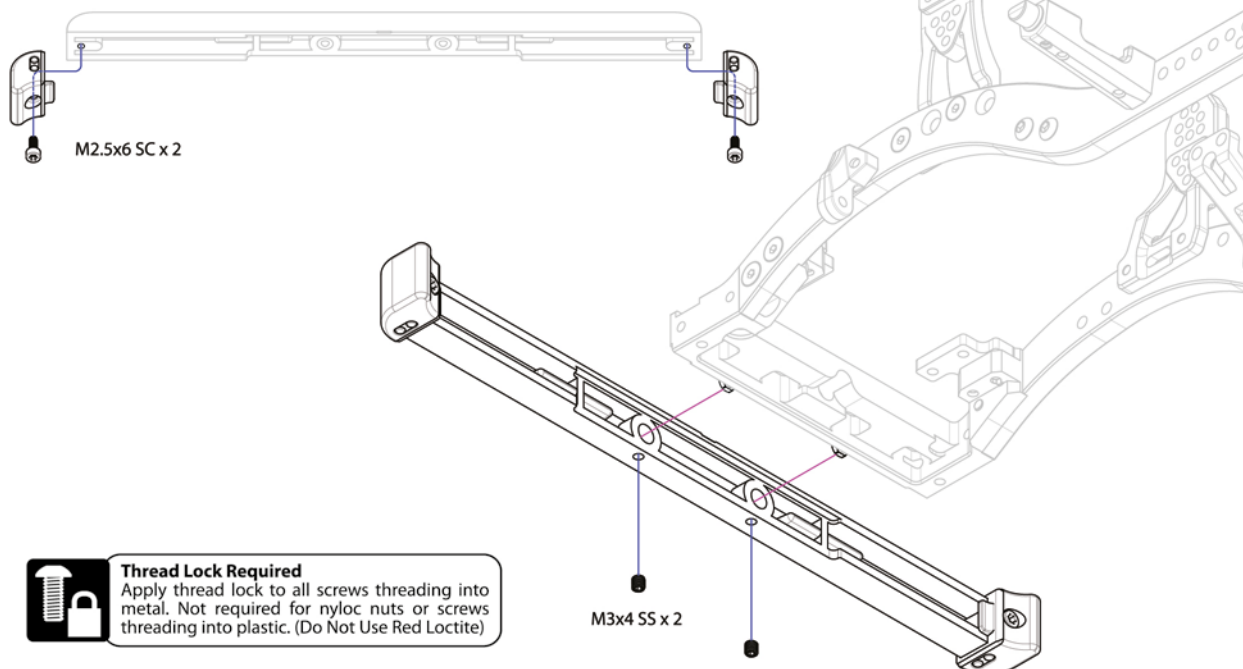
M2.5x6 SC x 2
#BRASCH2506

M3x4 SS x 2
#BRASST3006



Front Bumper End Cap x 2
#BRX027036

FRONT BUMPER

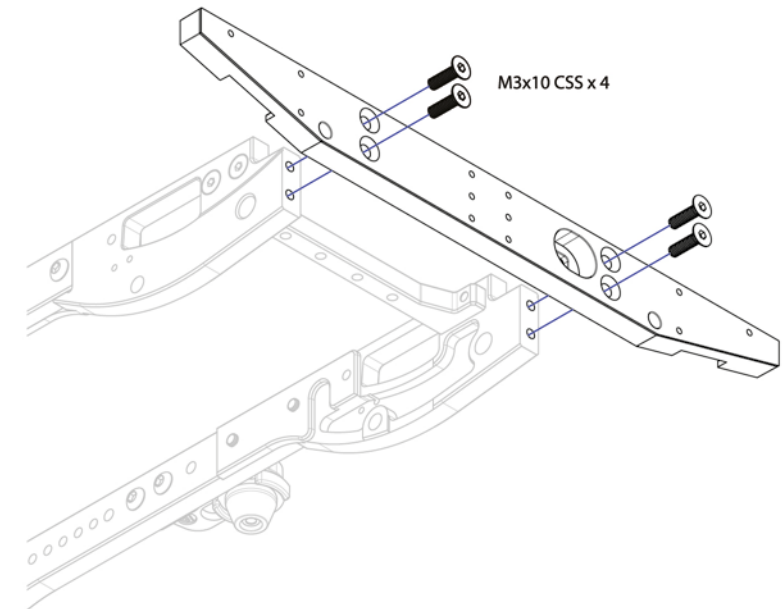


M2.5x6 SC x 2

M3x4 SS x 2

Thread Lock Required
Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

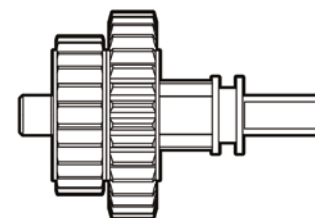
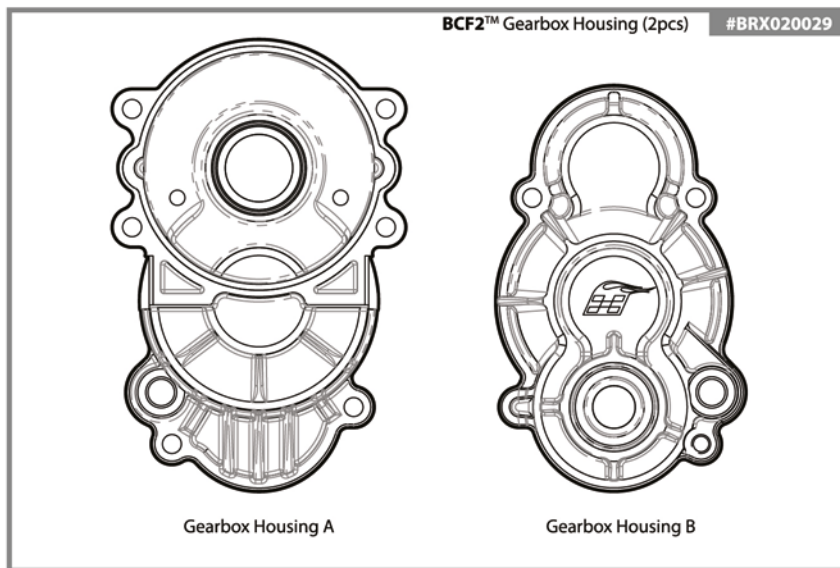
REAR BUMPER



M3x10 CSS x 4

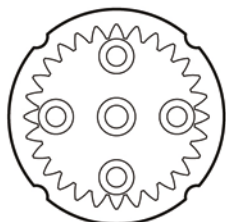
4 - GEARBOX

Parts Needed:



2-Speed Gear Unit x 1
#BRLC7044C

1 GEARS, SHAFTS & BEARINGS - GEAR BOX



Internal Spur Gear 28T x 1
#BRLC7031



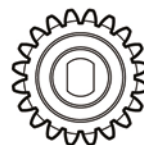
Spur Gear Mount x 1
#BRLC7030



Spur Gear 12T x 1
#BRLC7029-12T



Spur Gear 15T x 1
#BRLC7029-15T



Spur Gear 20T x 2
#BRLC7029-20T



D5x11x4 Ball Bearing x 7
#BBZMR1152RS



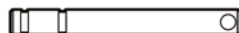
D7x11x3 Ball Bearing x 1
#BBZMR1172RS



Bearing Holder x 1
#BRX020029



Shifter Guide
Shaft x 1



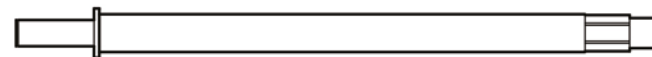
Shift Shaft x 1
#BRLC7045C



Shifter x 1
#BRLC7045B



Input Shaft x 1
#BRLC7044B



D130 Hight Efficiency Coupling Shaft x 1
#BRX027042

**D GEARBOX /
TRANSFER CASE**
 M2.5x8 CSS x 1
#BRASFH2508

 M2x5 CSS x 4
#BRASFH2005

Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

Gearbox Housing A

D5x11x4 Ball Bearing

Input Shaft

 Brass End Cap
 #BRLC7045A
 (Pre-installed)

M2x5 CSS x 2

M2.5x8 CSS

M2x5 CSS x 2

Internal Spur Gear 28T

Spur Gear Mount

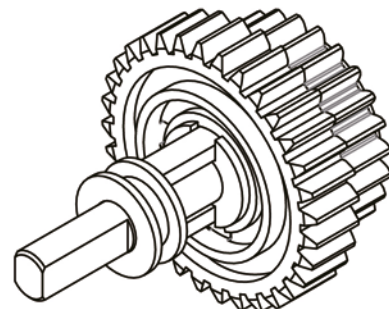
D7x11x3 Ball Bearing

Fit the Spur Gear Mount onto the Spur Gear by tightening M2x5 countersunk screws.

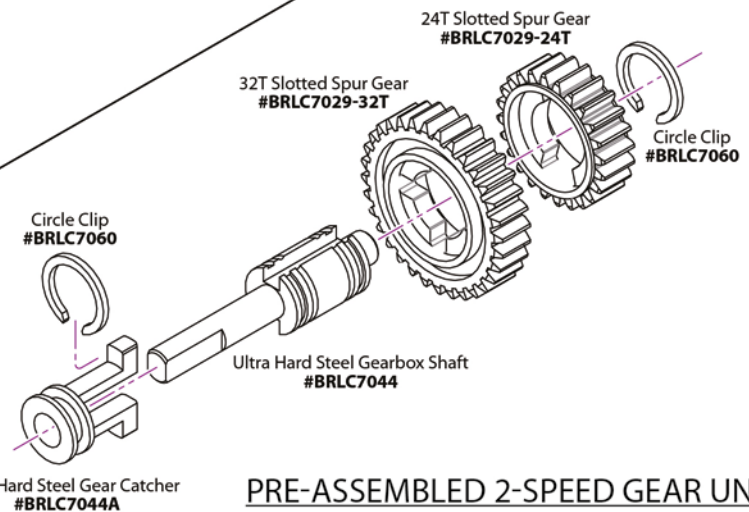
To install or remove the spur gear from the gearbox, align the spur gear as pictured and temporarily insert two M3 screws** to act as stoppers.

M2.5x8 Screw *

*To install the spur gear, install the four M2x5 screws, then the center M2.5x8 screw.
 *To remove the spur gear, remove the M2.5x8 screw, then remove the four M2x5 screws.
 ** If the spur gear can't be removed, place two long M3 screws and torque them both until the gear is released.



2-Speed Gear Unit



PRE-ASSEMBLED 2-SPEED GEAR UNIT

D GEARBOX / TRANSFER CASE

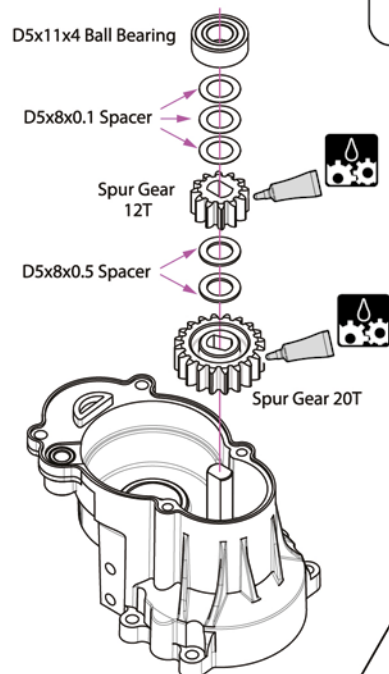
D5x8x0.5 Spacer x 4
#BRASSPD5805



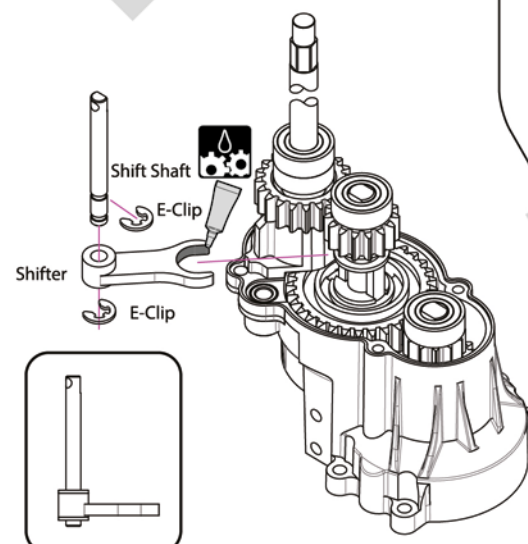
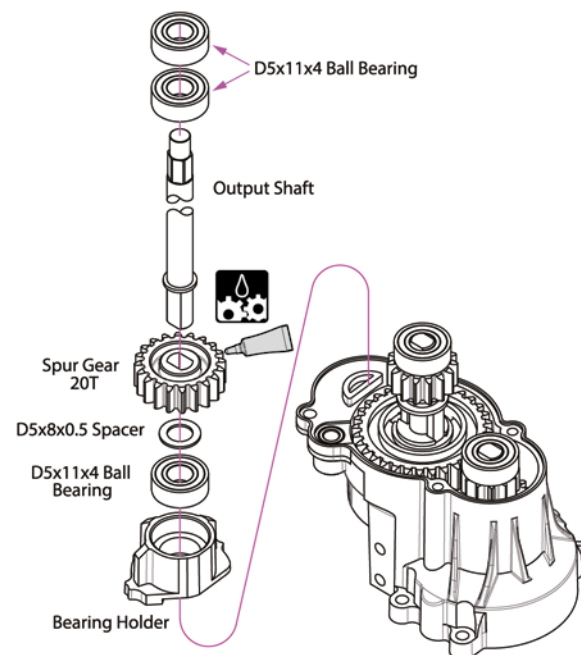
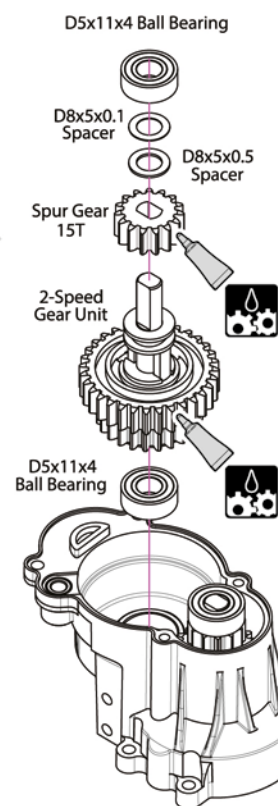
M3 E-Clip x 2
#BRASEC30



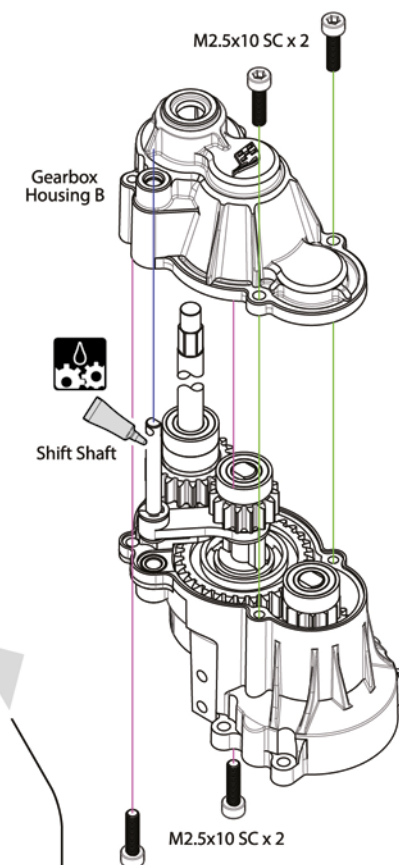
D5x8x0.1 Spacer x 4
#BRASSPD5801



Black Graphite Grease 10g x 1
#BRGRS1055-10

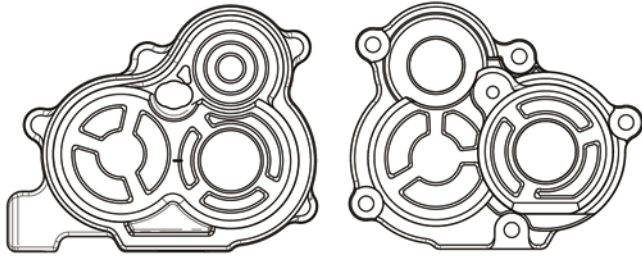
**D GEARBOX / TRANSFER CASE**

M2.5x10 SC x 4
#BRASCH2510



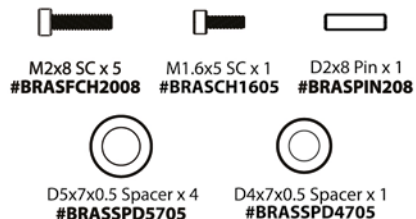
5 - TRANSFER CASE

Parts Needed:



Aluminum SWD™ Transfer Case Housing x 1
#BRX027037

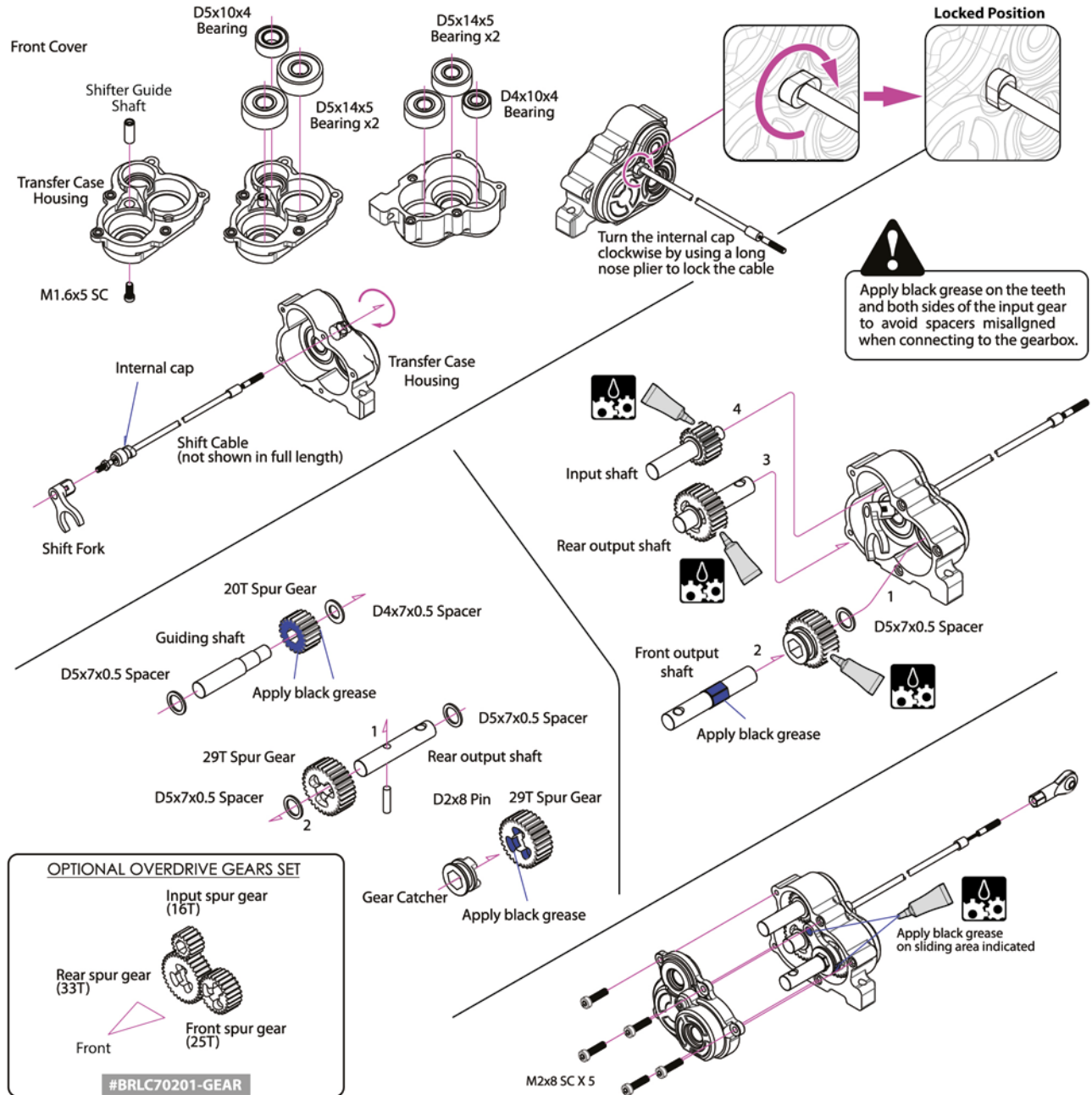
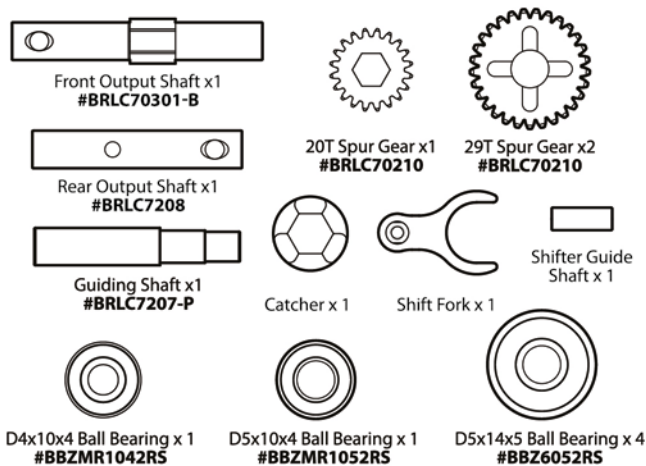
D GEARBOX / TRANSFER CASE



G SERVOS



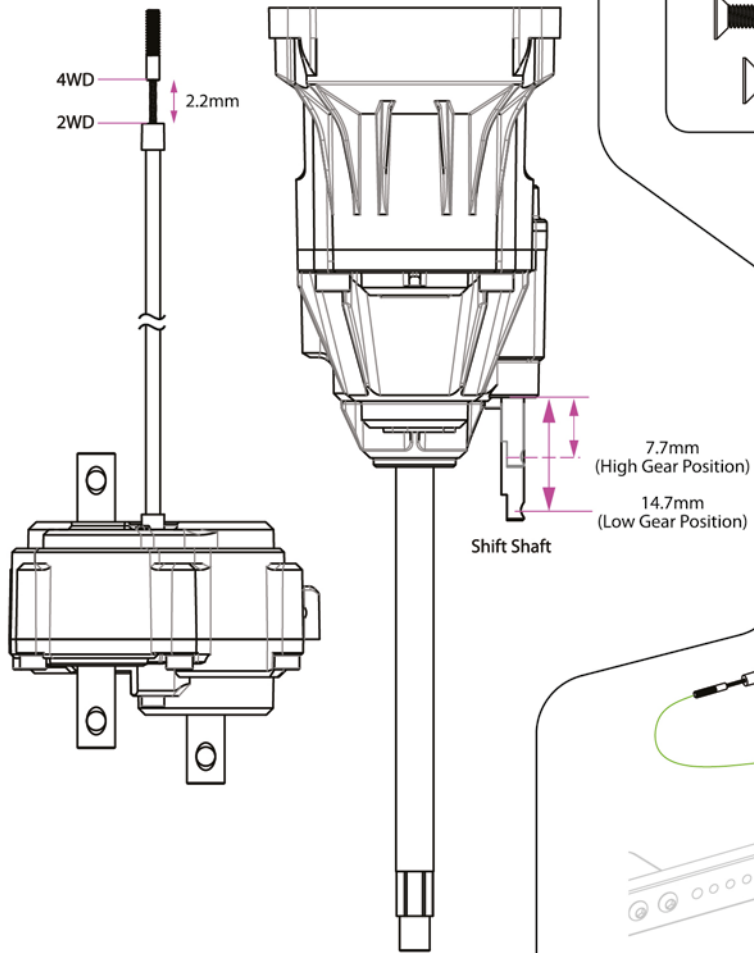
H GEARS, SHAFTS & BEARINGS - TRANSFER CASE



6 - TRANSMISSION

Parts Needed:

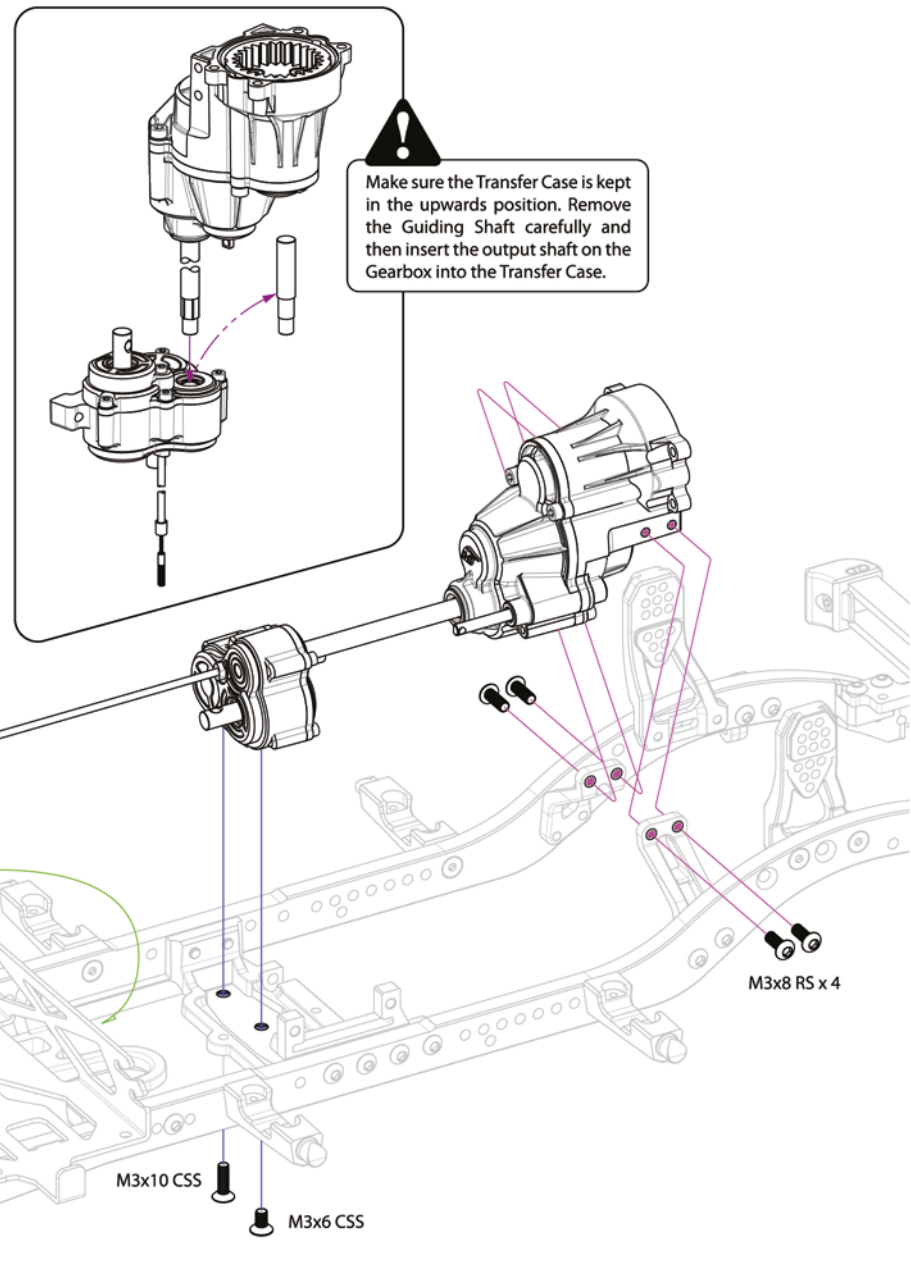
DIAGRAM 6.1



A CHASSIS

- M3x8 RS x 4
#BRASBH3008
- M3x10 CSS x 1
#BRASFH3010
- M3x6 CSS x 1
#BRASFH3006

Place the shift cable under the battery tray. The cable will not be fully shown in the next few steps.



7 - LINKS

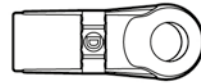
Parts Needed:

B LINKS / SHOCKS

M4x16 SS x 14
#BRASST4016



KUDU™
Nylon Rod End
(Straight 18.5mm) x 11
#BRW750306A

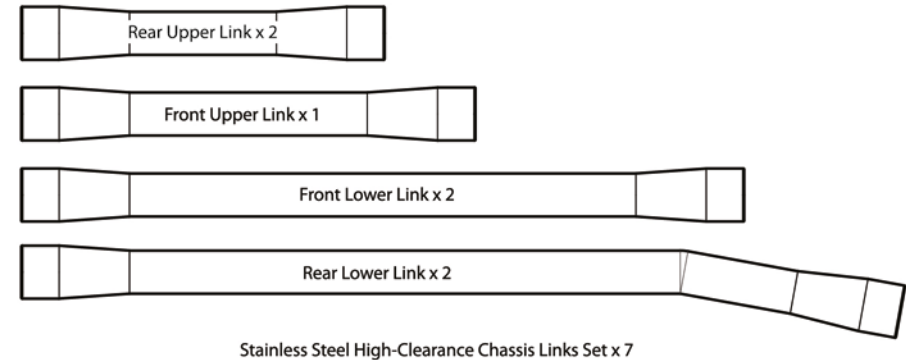


KUDU™
Nylon Rod End
(Upwards 20mm) x 5
#BRW750307D

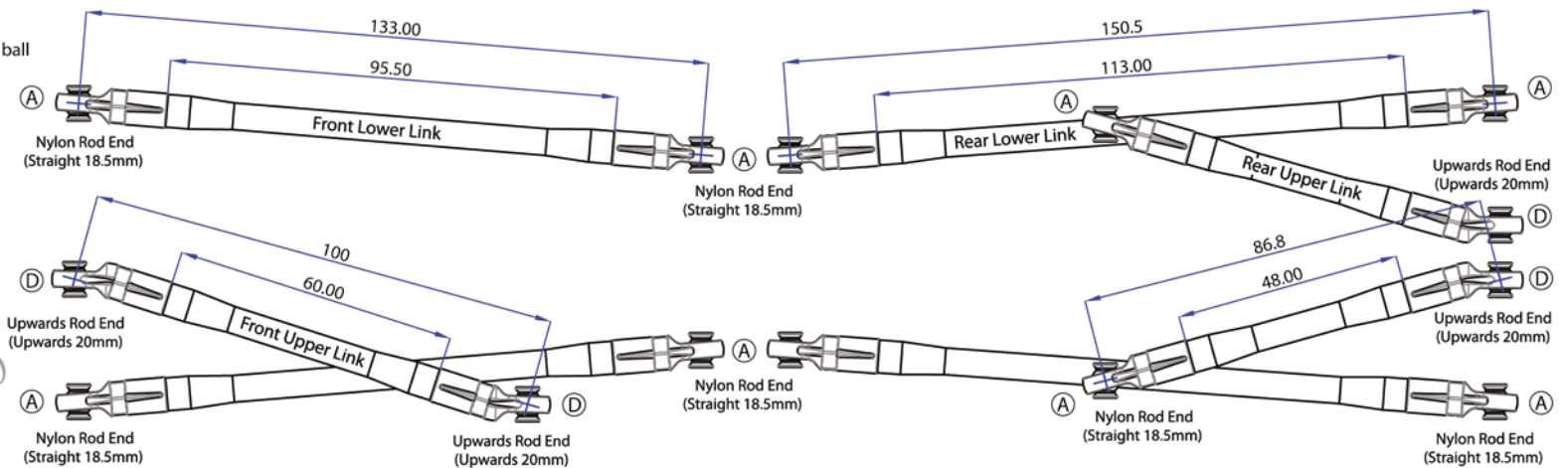
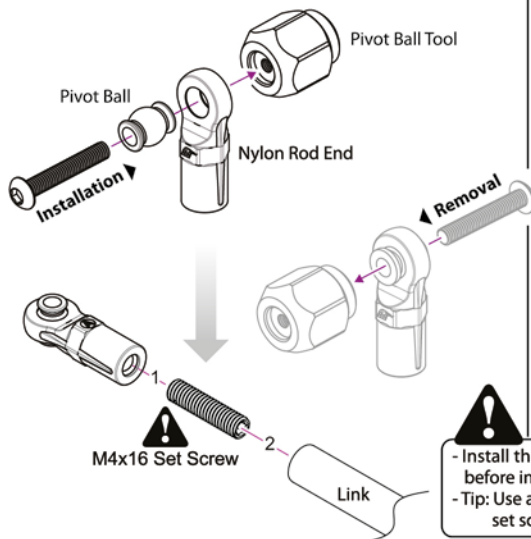


BADASS™
Stainless Steel Pivot Ball x 16
#BRW750310

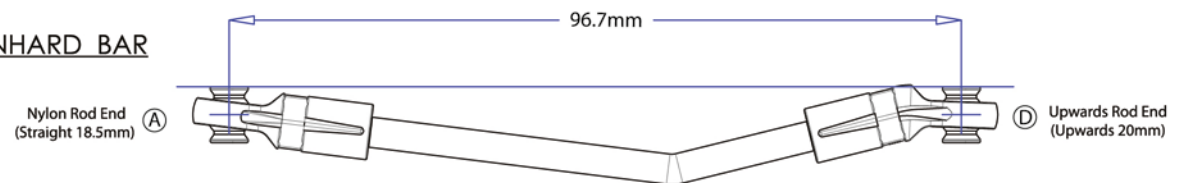
Panhard Bar x 1
#BRX027033

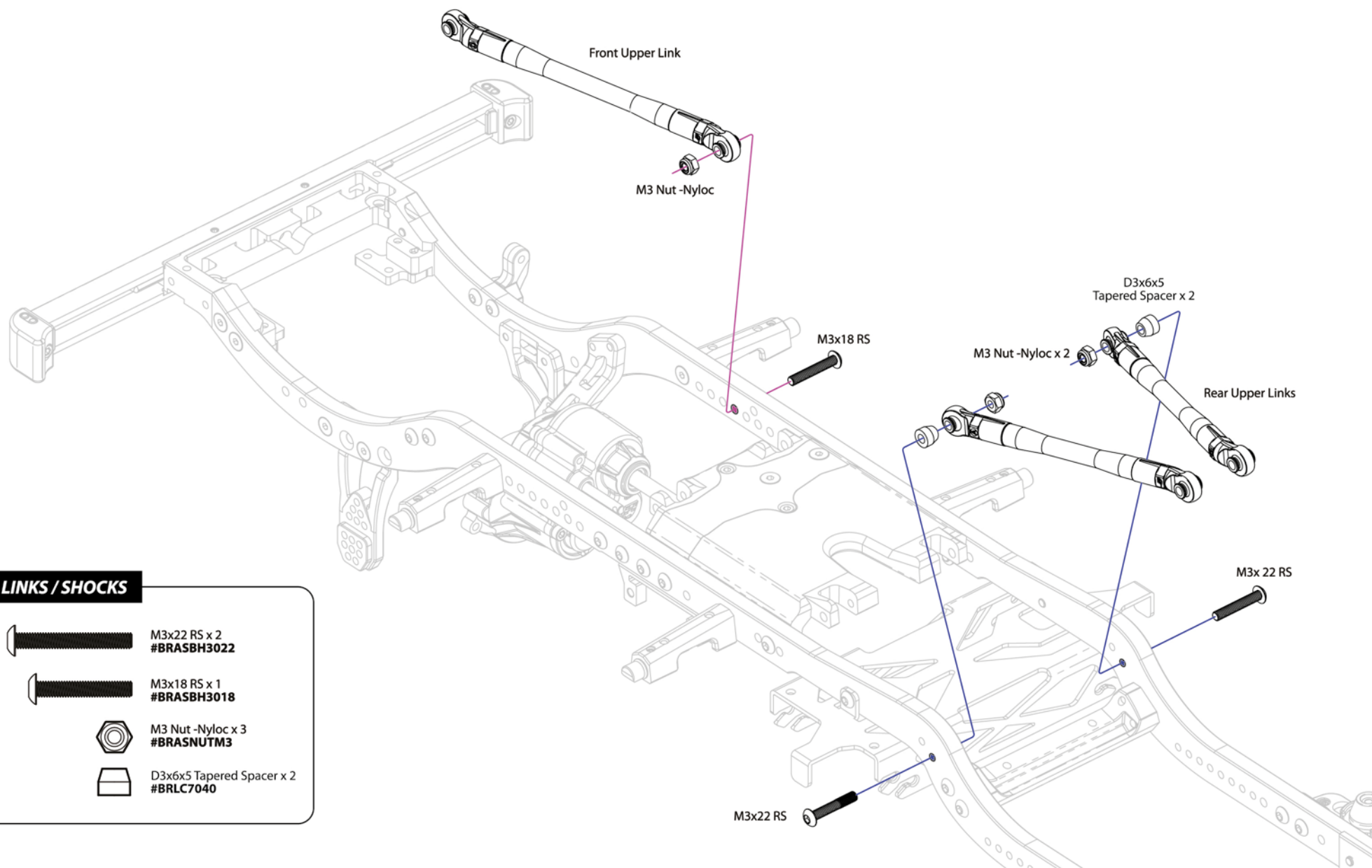


ROD END & PIVOT BALL INSTALLATION



PANHARD BAR





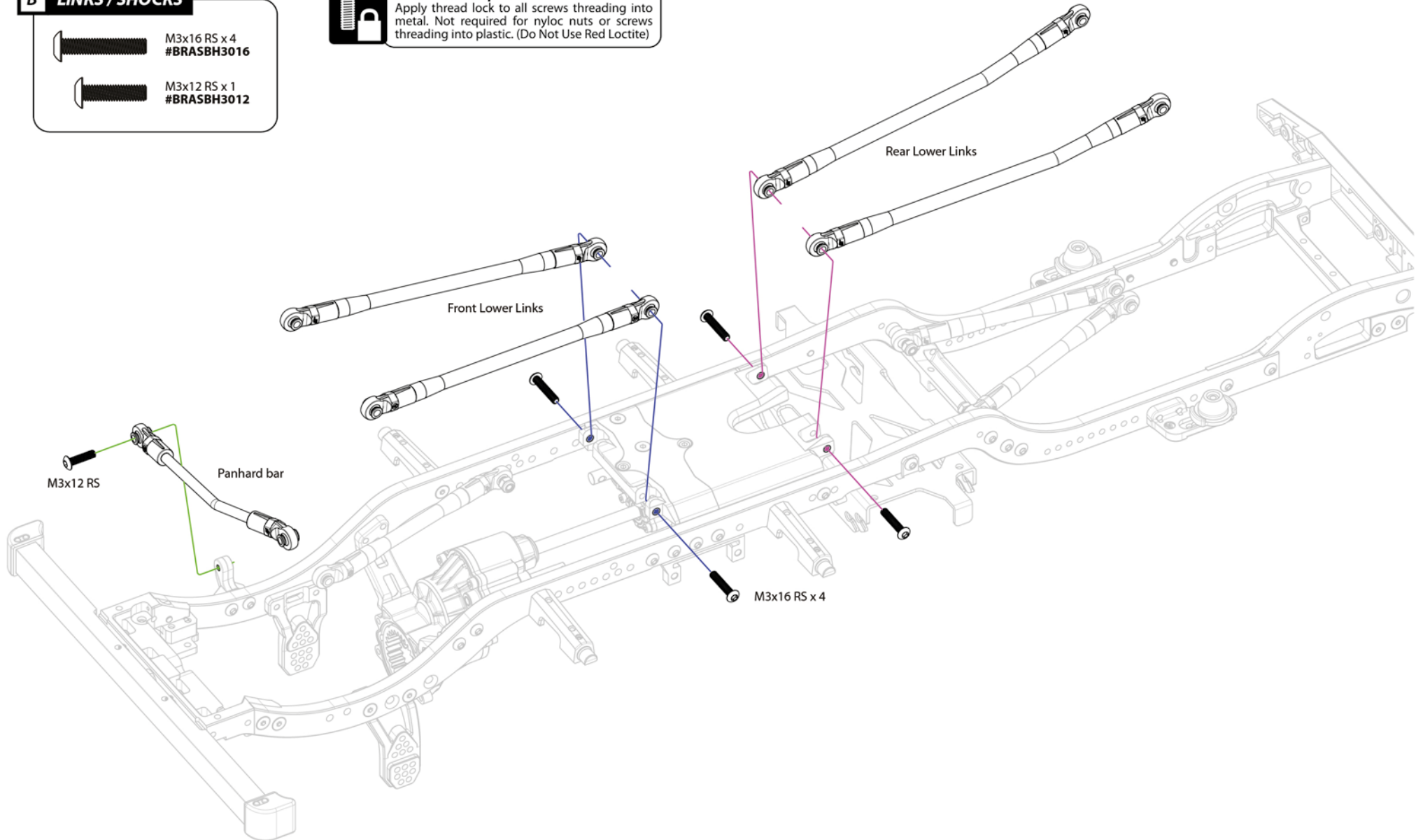
B LINKS / SHOCKS

 M3x16 RS x 4
 #BRASBH3016

 M3x12 RS x 1
 #BRASBH3012

Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)



8 - SHOCKS

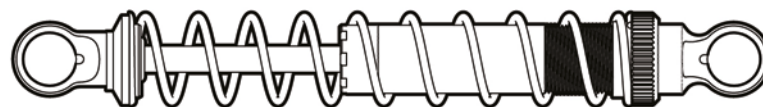
Parts Needed:



30WT Shock Oil 15ml x 1
(Available separately in 60ml)
#BRSHK030



Silicone Grease 10g x 1
#BGRS10274-10



KUDU™ 90mm Medium (Green) Coilover Scale Shock Absorber x 2
#BRSH0090-SP

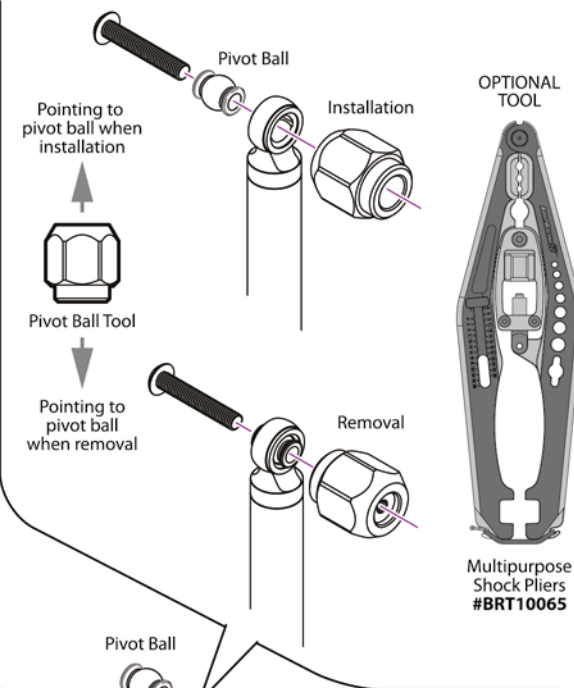


BADASS™ Heavy-Duty Stainless Steel
End Pivot Balls 5.8x3x7.4mm x 4
#BRW750310

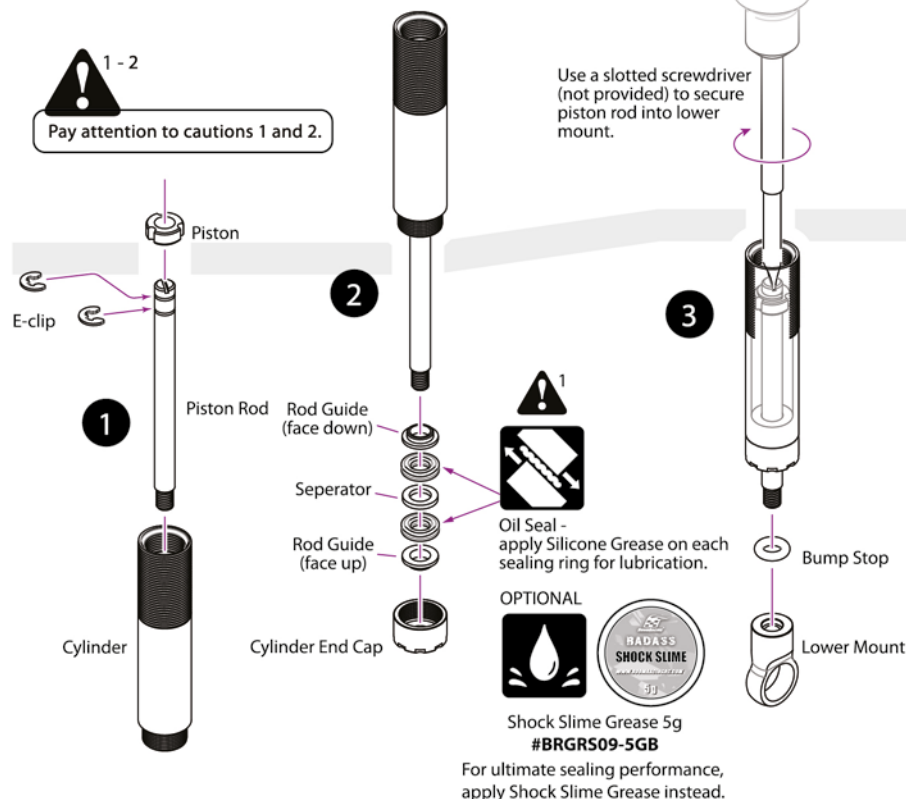


Joint Retainer x 4
#BRSHJR

PIVOT BALL INSTALLATION & REMOVAL



SHOCKS INSTALLATION & SETUP



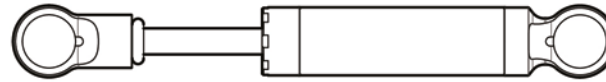
8 - SHOCKS



30WT Shock Oil 15ml x 1
(Available separately in 60ml)
#BRSHK030

Silicone Grease 10g x 1
#BRGRS10274-10

Parts Needed:



KUDU™ 70mm Scale Shock Absorbers x 2
#BRSH0070

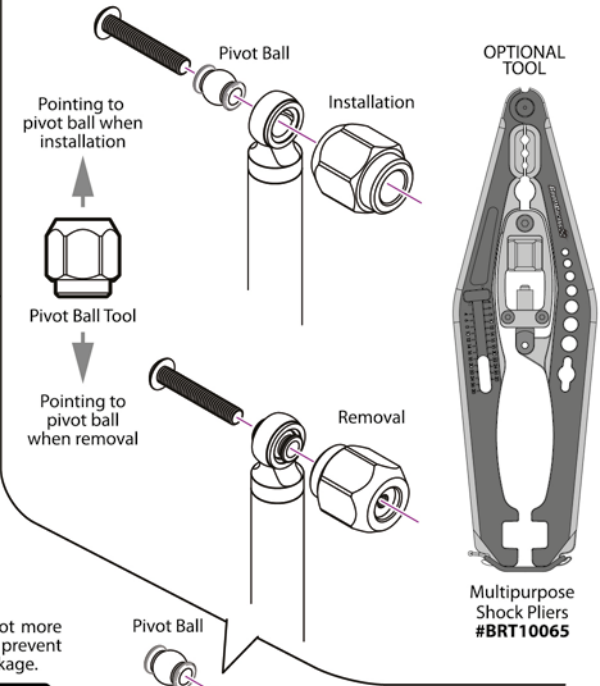


Joint Retainer x 4
#BRSHJR

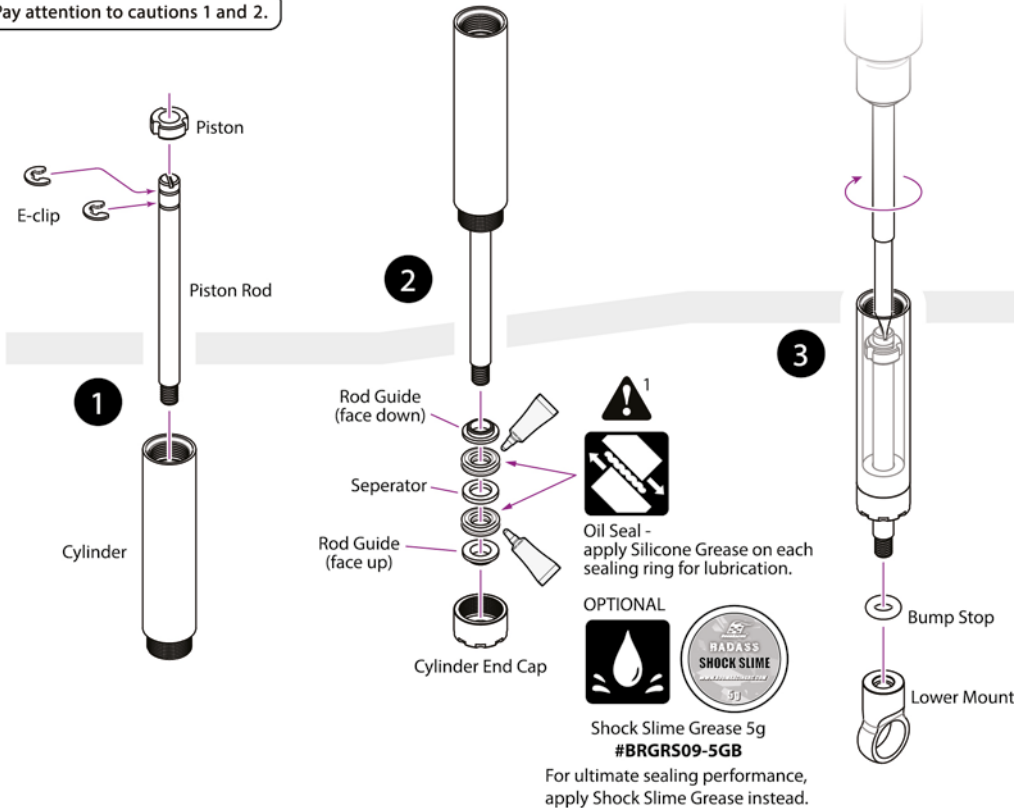
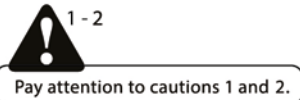


BADASS™ Heavy-Duty
Stainless Steel End Pivot
Balls 5.8x3x7.4mm x 4
#BRW750310

PIVOT BALL INSTALLATION & REMOVAL

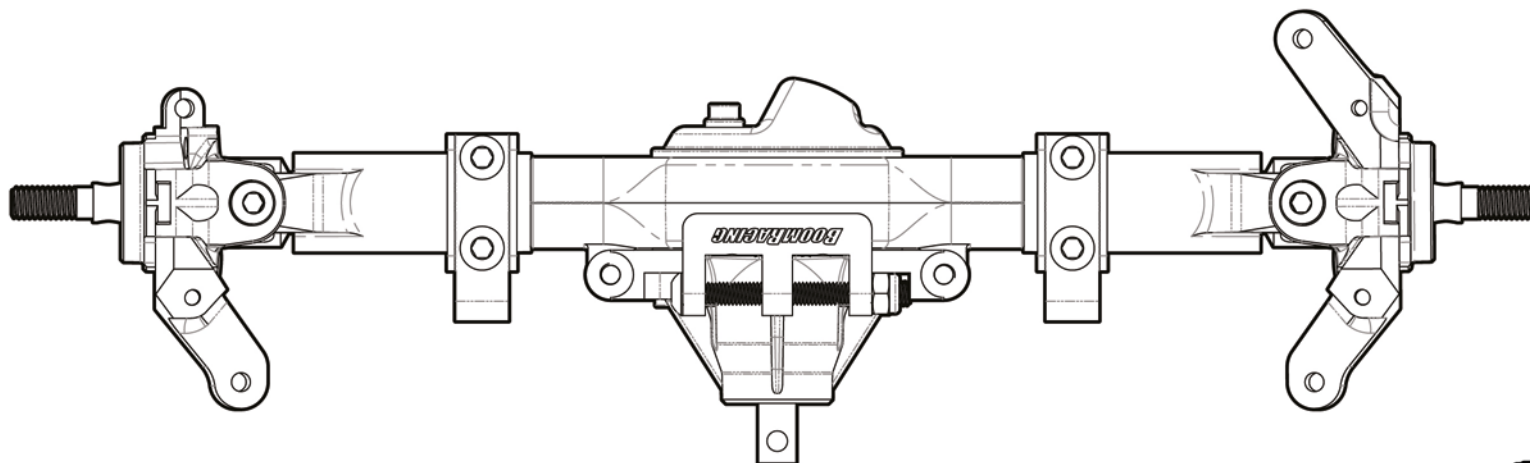


SHOCKS INSTALLATION & SETUP



9 - AXLES & SHOCKS

Parts Needed:



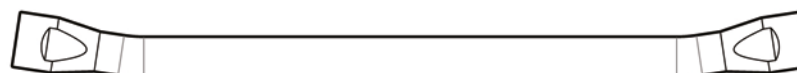
BRX90 Front Straight **PHAT™** Axle (Center Pumpkin)
w/ AR44 HD Gears for BRX02 Link Version Assembled
#BRX020022LK



KUDU™
Nylon Rod End
(Straight 18.5mm) x 2
#BRW750306A



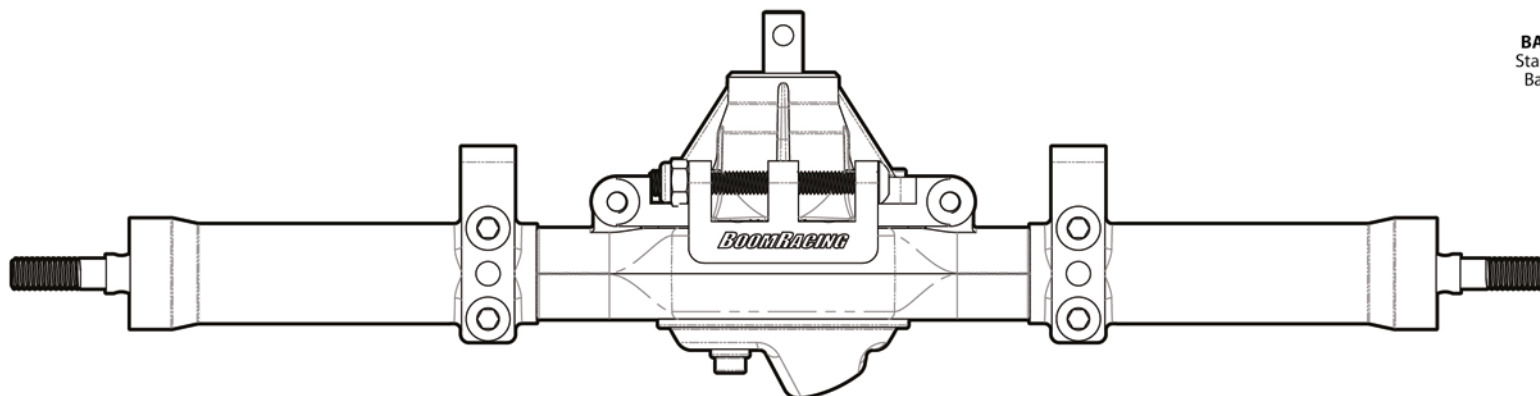
Axle Panhard Mount x 1
#BRX020024



Stainless Steel Tie Rod x 1
#BRD9022A



BADASS™ Heavy-Duty
Stainless Steel End Pivot
Balls 5.8x3x7.4mm x 2
#BRW750310



BRX90 Rear Straight **PHAT™** Axle (Center Pumpkin)
w/ AR44 Reversed Gears for BRX02 Link Version Assembled
#BRX020023LK

B LINKS / SHOCKS
 M3x12 RS x 2
#BRASBH3012

 M3x18 CSS x 2
#BRASFH3018

 M4x16 SS x 2
#BRASST4016

 D6x1.5 O-Ring x 2
#BRSORD6-15

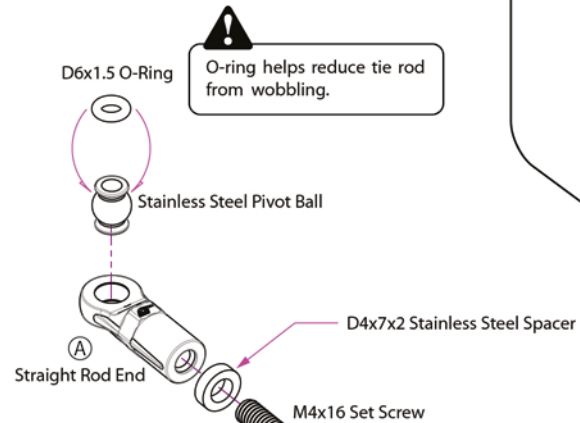
 D4x7x2 Stainless Steel Spacer x 2
#BRASSPD427

Thread Lock Required

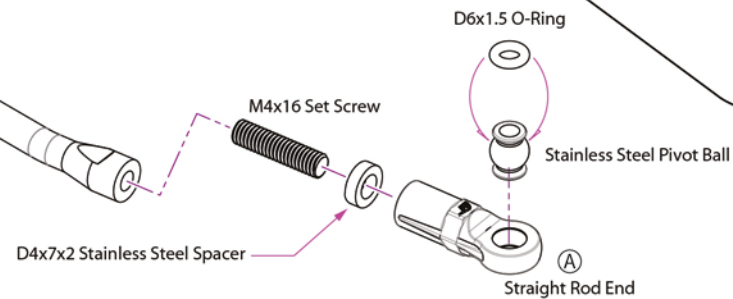
Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

M3x18 CSS x 2

Remove the two pre-installed screws


TIE ROD

Tie Rod

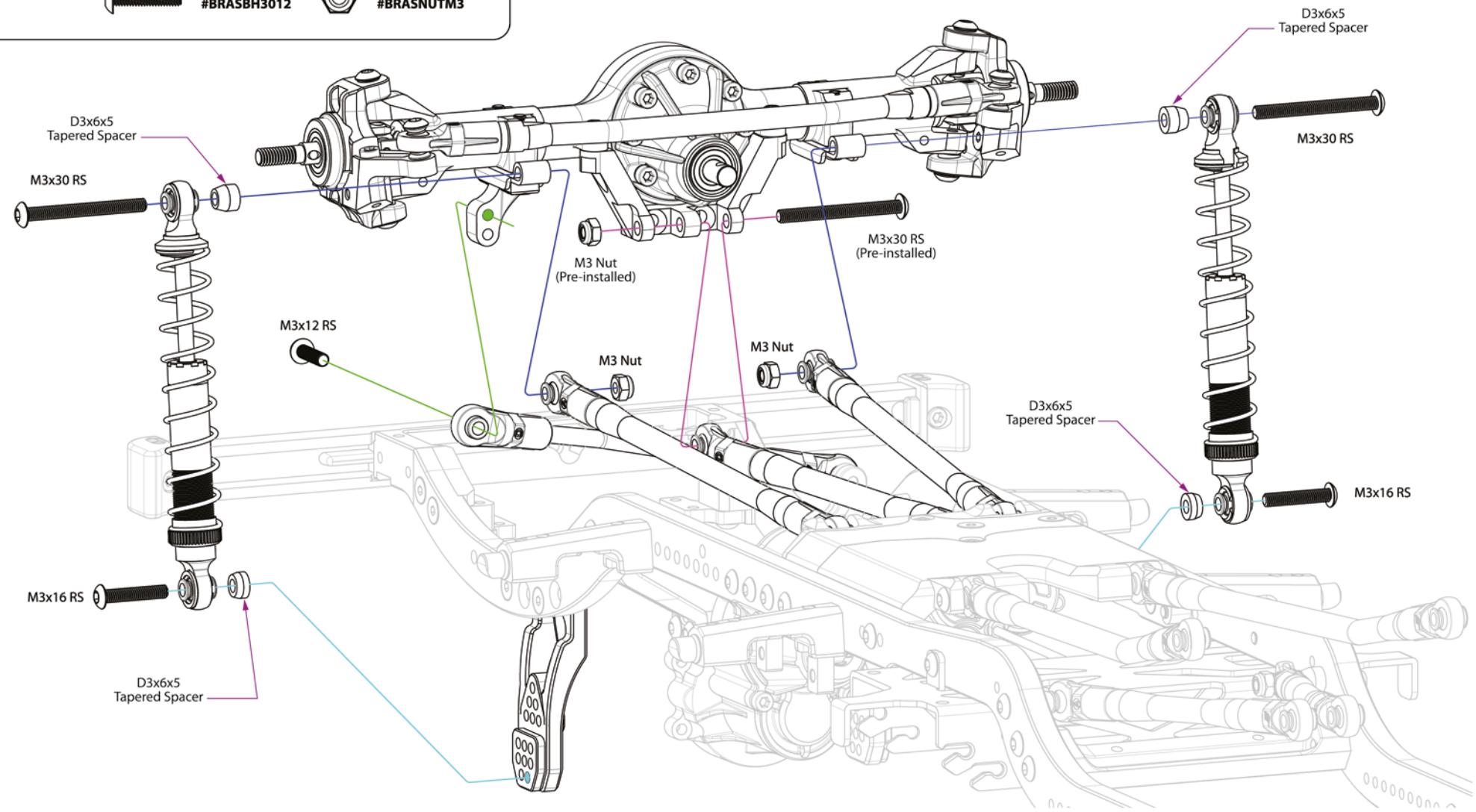


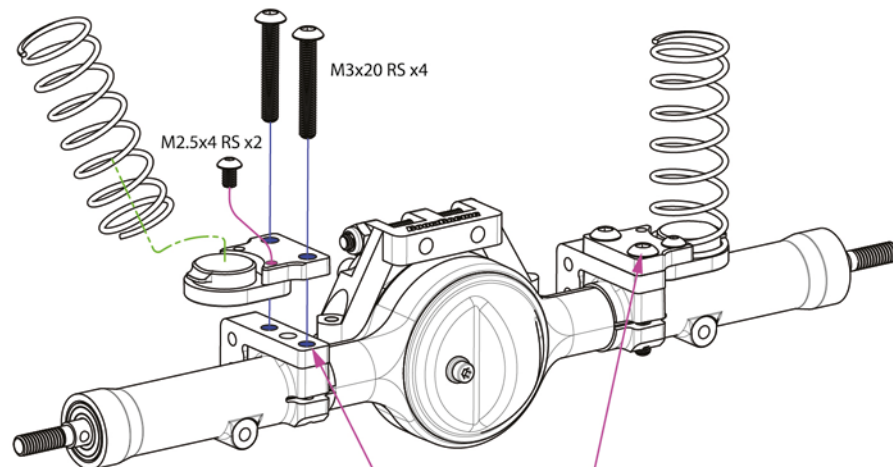
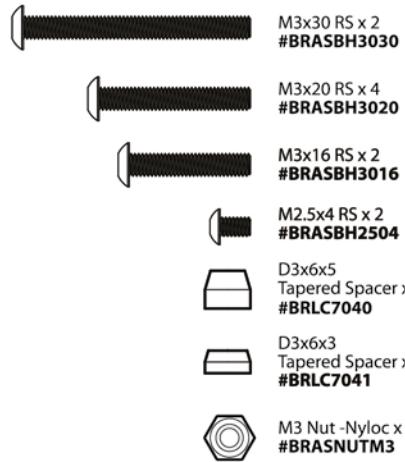
M3x12 RS

M3x12 RS

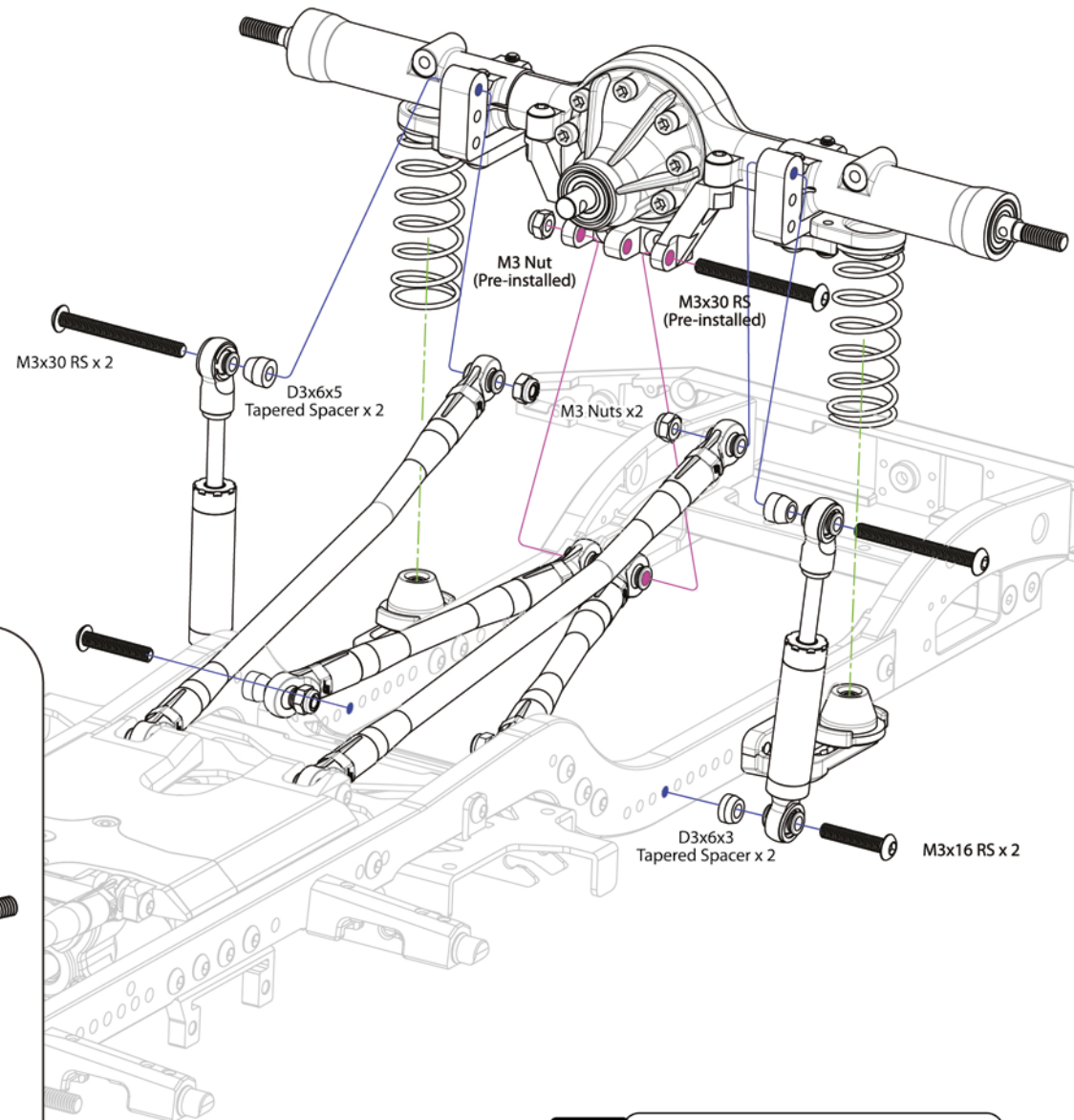
B LINKS / SHOCKS

- | | | | |
|---|-----------------------------|---|---|
|  | M3x30 RS x 2
#BRASBH3030 |  | D3x6x5
Tapered Spacer x 2
#BRLC7040 |
|  | M3x16 RS x 2
#BRASBH3016 |  | D3x6x3
Tapered Spacer x 2
#BRLC7041 |
|  | M3x12 RS x 1
#BRASBH3012 |  | M3 Nut - Nyloc x 2
#BRASNUTM3 |



B LINKS / SHOCKS


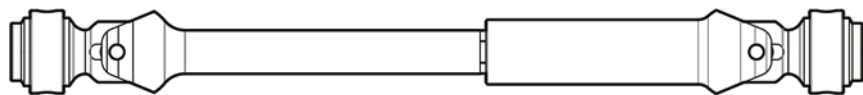
Remove the two pre-installed screws on both lockouts before installing the coil retainer.



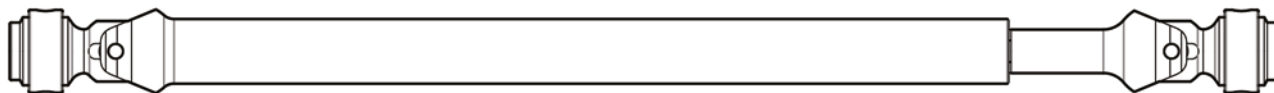
Thread Lock Required
 Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

10 - DRIVE SHAFTS

Parts Needed:



KUDU™ Heavy-Duty 102.5-121mm Steel CVD Center Drive Shaft x 1
#BRKD003-112

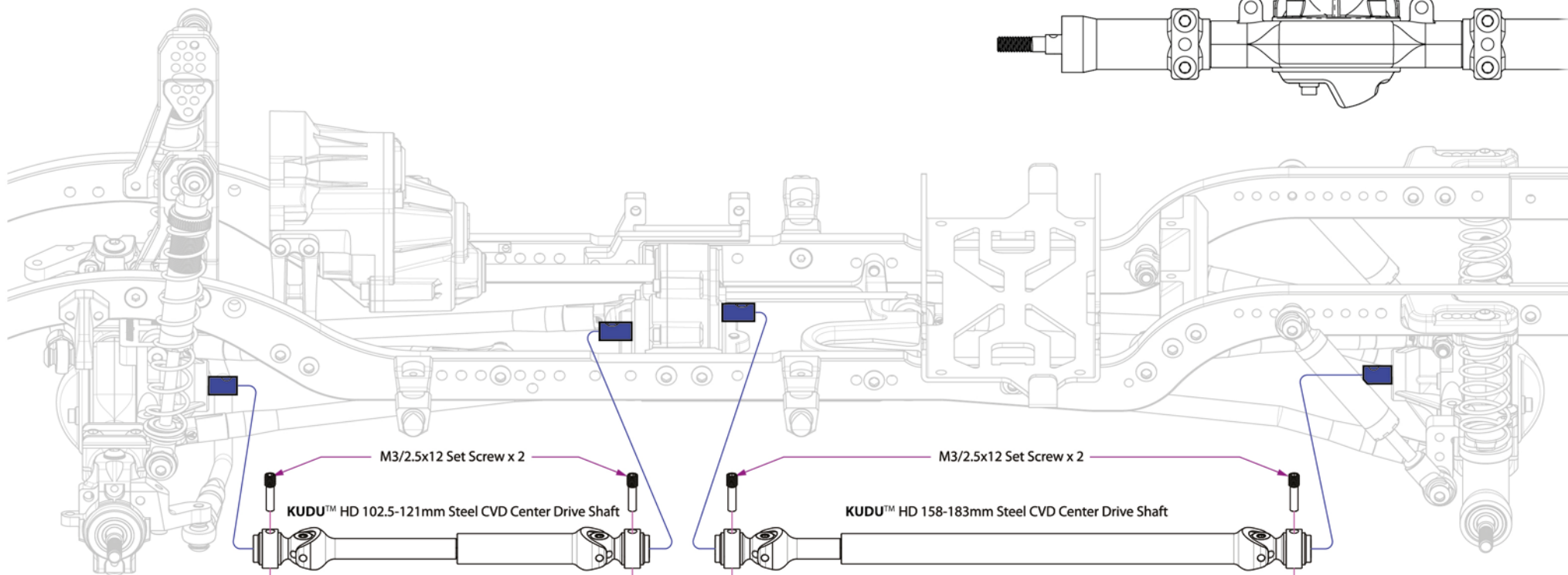


KUDU™ Heavy-Duty 158-183mm Steel CVD Center Drive Shaft x 1
#BRKD003-167

D GEARBOX / TRANSFER CASE

M3/2.4x12 SS x 4
#BRASST3024/DS

Align input shaft hole and drive shaft hole properly. Use the 1.5 Hex Key provided to help pull out the shaft if needed.



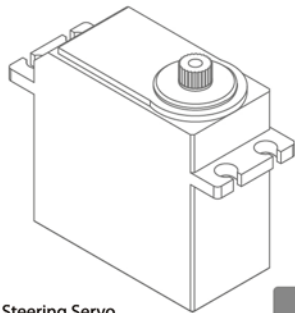
IMPORTANT: The driveshaft yokes are factory assembled and contain internal grub screws secured with thread lock. These screws are not visible during normal assembly. Periodically inspect all driveshaft fasteners, including the external set screws and internal yoke grub screws. If any become loose, remove, clean, and reapply thread lock before reassembly to prevent driveline failure.

11 - SERVOS

Parts Needed:



PYTHON™ 125Mini HV Waterproof
 Aluminum Mini Servo
 125oz-in / 9kg-cm @ 8.4V
 #BRPS125MINI



Steering Servo

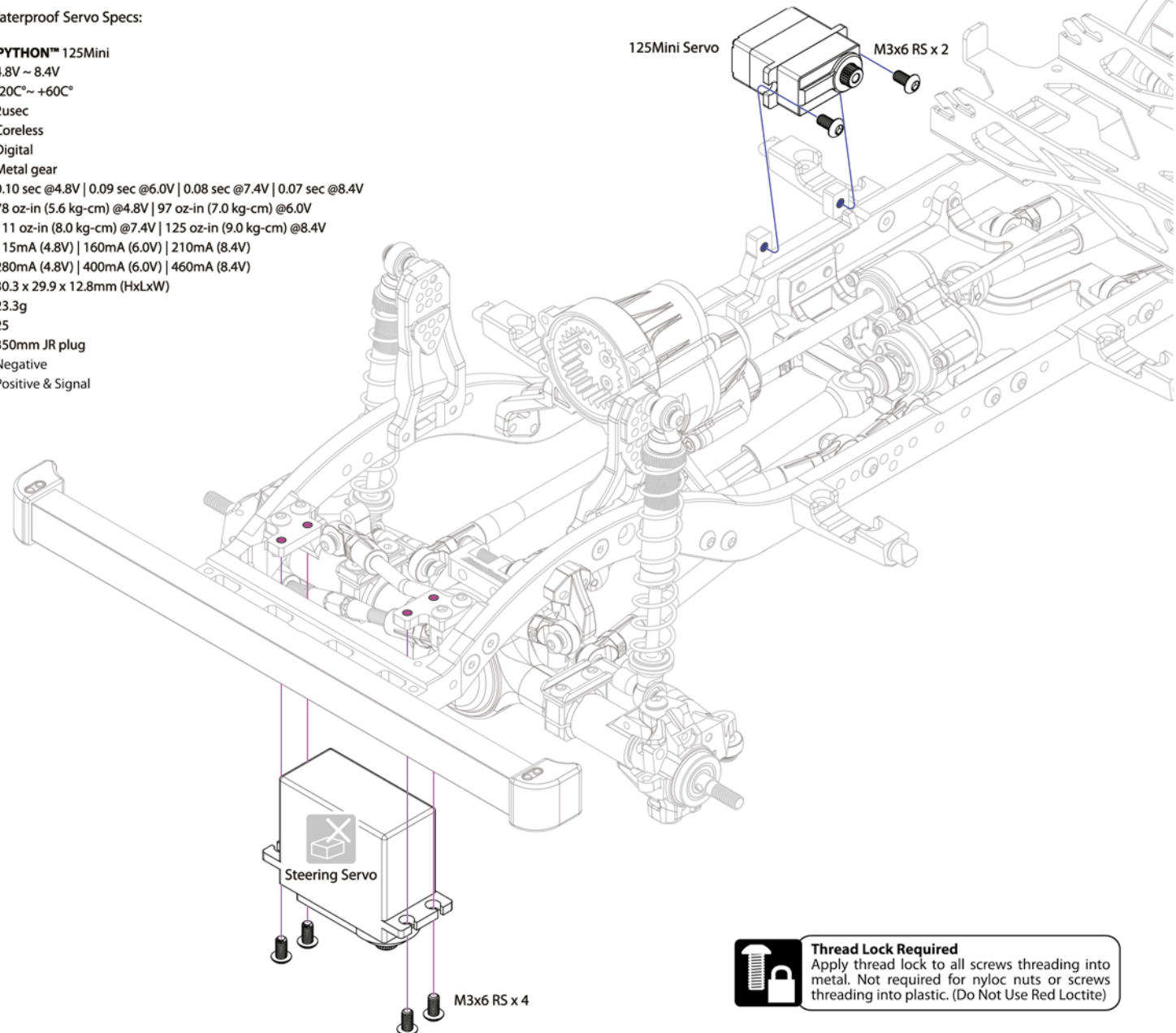
G SERVOS



M3x6 RS x 6
 #BRASBH3006

PYTHON™ 125Mini HV Waterproof Servo Specs:

Model:	PYTHON™ 125Mini
Working voltage:	4.8V ~ 8.4V
Working temperature:	-20C° ~ +60C°
Dead band:	2usec
Motor type:	Coreless
Signal booster type:	Digital
Gear material:	Metal gear
Operating Speed:	0.10 sec @4.8V 0.09 sec @6.0V 0.08 sec @7.4V 0.07 sec @8.4V
Stall Torque:	78 oz-in (5.6 kg-cm) @4.8V 97 oz-in (7.0 kg-cm) @6.0V 111 oz-in (8.0 kg-cm) @7.4V 125 oz-in (9.0 kg-cm) @8.4V
Idle Current:	115mA (4.8V) 160mA (6.0V) 210mA (8.4V)
Load Current:	280mA (4.8V) 400mA (6.0V) 460mA (8.4V)
Size:	30.3 x 29.9 x 12.8mm (HxLxW)
Weight:	23.3g
Tooth Count:	25
Wire length:	350mm JR plug
Black / White:	Negative
Black:	Positive & Signal



Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

Parts Needed:



Stainless Steel Adjustable
Drag Link - 55mm x 1
#BRLC7050-1



Aluminum Low Profile
Servo Horn 25T
#BR955014BK



KUDU™
Nylon Rod End
(Straight 21.8mm) x 1
#BRW750309B



KUDU™
Nylon Rod End
(Upwards 23.7mm) x 1
#BRW750310E



BADASS™
Stainless Steel Pivot Ball x 2
#BRW750310

B LINKS / SHOCKS



M3x12 RS x 1
#BRASBH3012



M3x10 RS x 1
#BRASBH3010

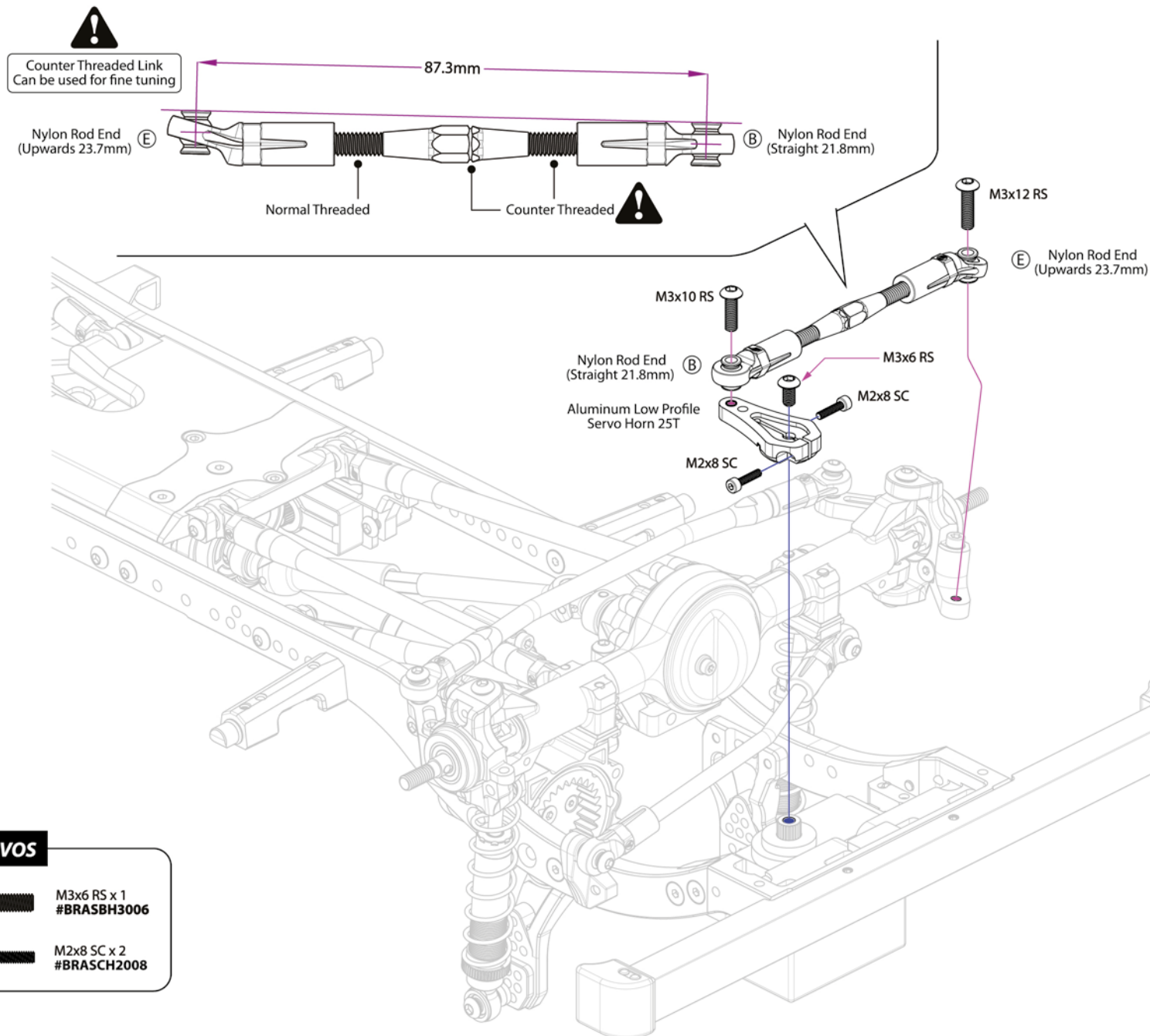
G SERVOS



M3x6 RS x 1
#BRASBH3006



M2x8 SC x 2
#BRASCH2008



12 - SHIFT ROD

Parts Needed:



D2 Ball & Rod End x 1
#BRQ90351



Shift Rod x 1
#BRX020051

G SERVOS



Follower
Horn A x 1



Spring
Horn A x 1



Initiator
Horn A x 1



M3x6 RS x 1
#BRASBH3006



M2x7 RS x 1
#BRASBH2007

SHIFT ROD

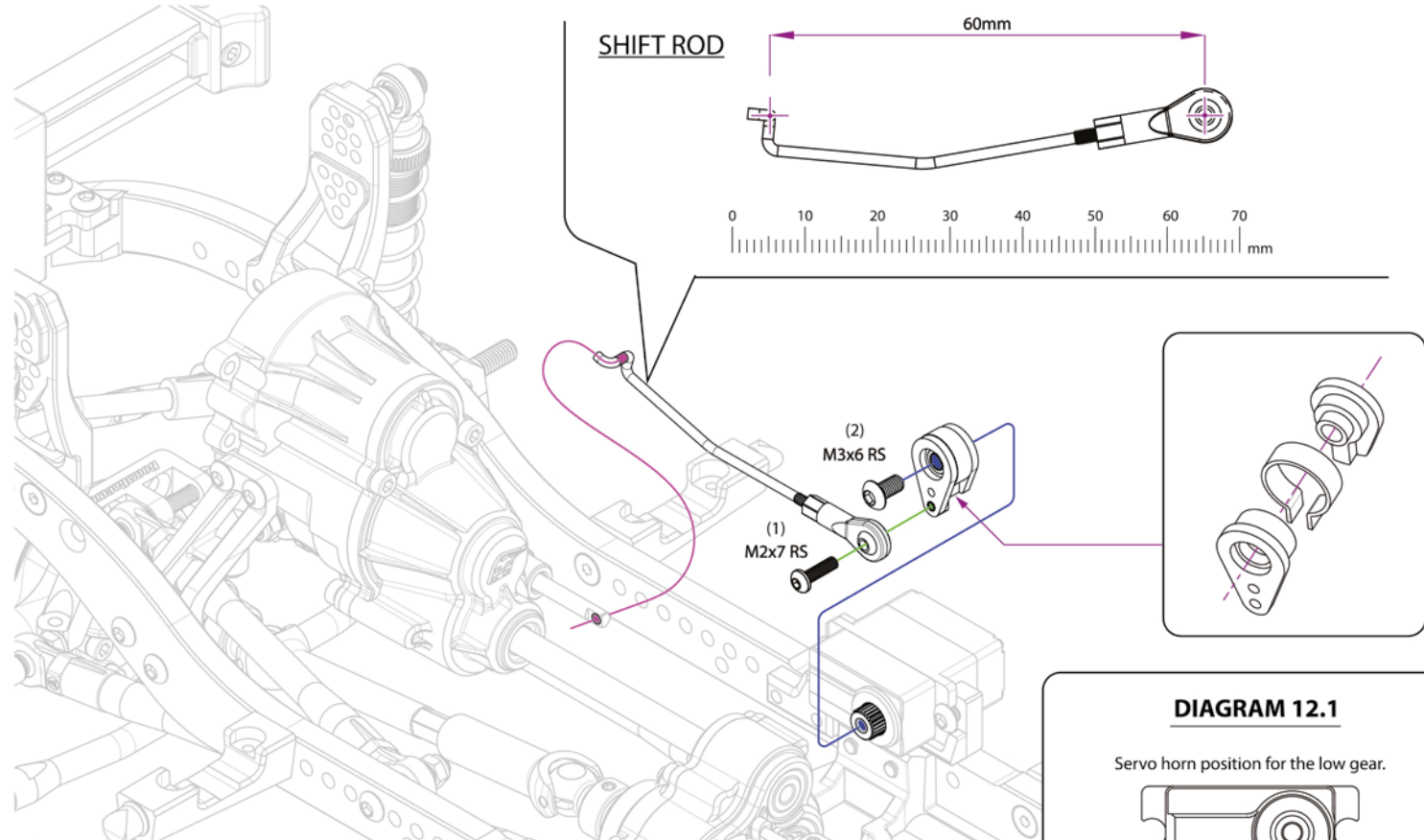
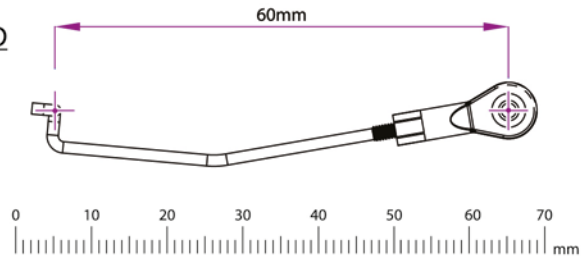
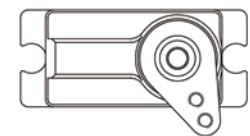
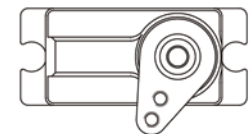


DIAGRAM 12.1

Servo horn position for the low gear.



Servo horn position for the high gear.



Installing the Hi/Lo Shifting Mechanism & Setting EPA

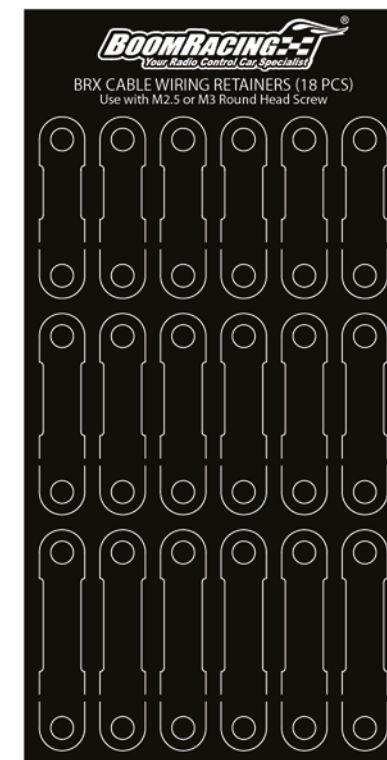
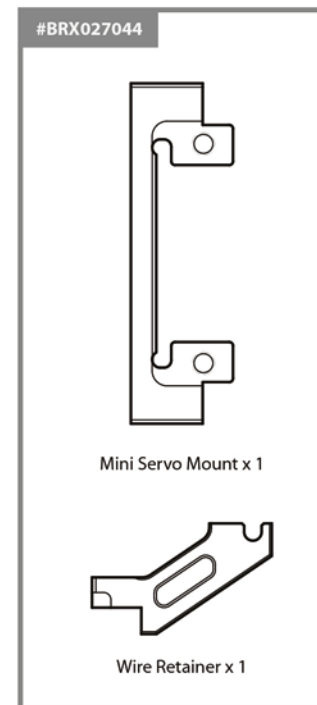
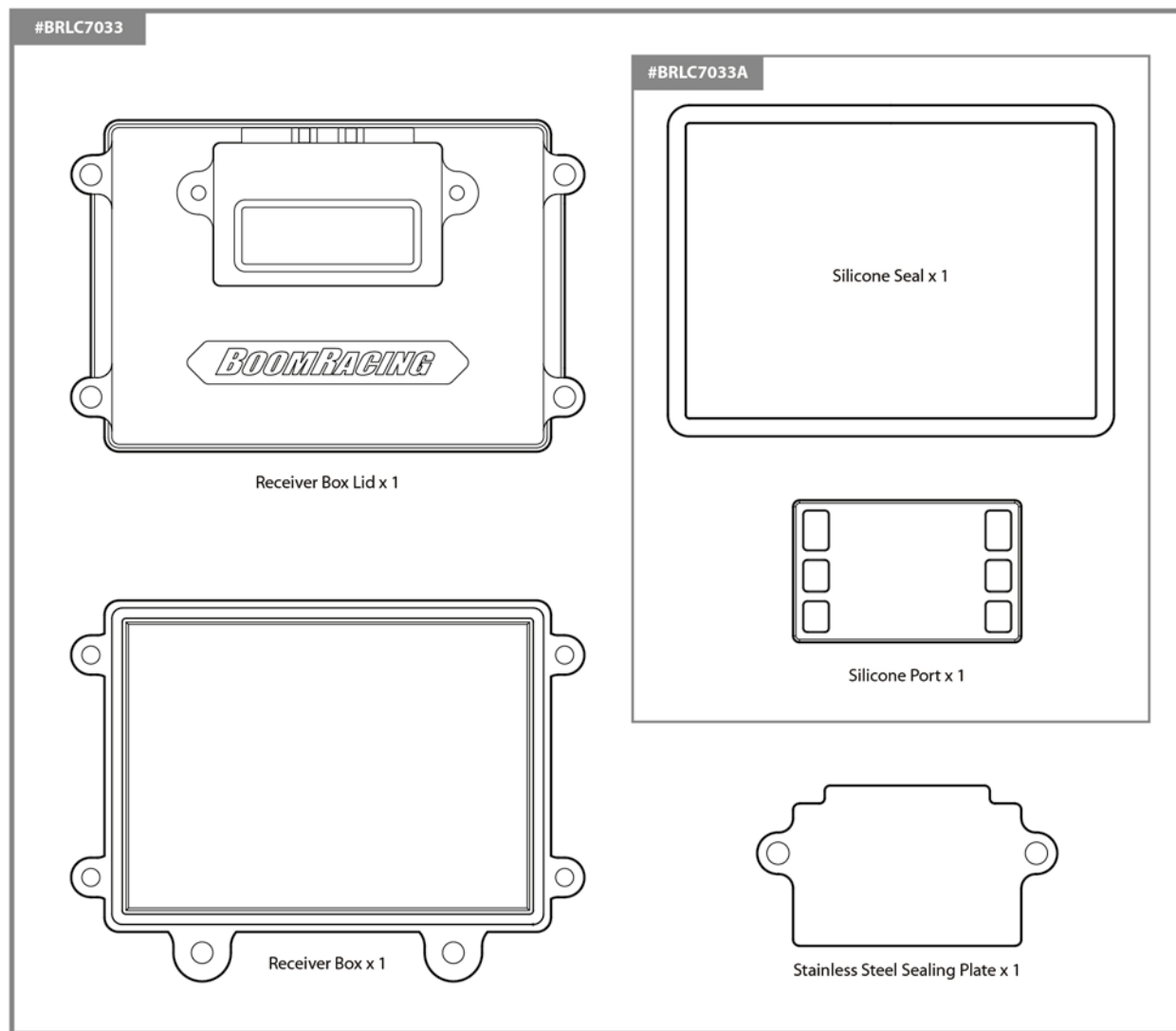
1. Connect the shift rod to the gearbox shift shaft and servo saver using one M2x7 screw. Do not secure the servo saver to the servo output shaft yet.
2. Temporarily connect the radio system and assign the shift servo to a channel with 2-position switch. A 2-position switch ensures the gearbox is always fully engaged in either Low Gear or High Gear.
3. Set the EPA (End Point Adjustment) to lower values on both sides. Verify the servo rotation direction (counterclockwise shifts to Low Gear, clockwise shifts to High Gear). See Diagram 12.1.
4. Place the gearbox shift shaft in the Low Gear position (refer to Page 23, Diagram 6.1) and set the radio shift switch to Low Gear. Install the servo saver onto the servo output shaft. The shift shaft should fully extend to approximately 14.7mm in Low Gear. Rotate the driveshaft to adjust if the shift shaft does not fully extend. Approximately 7mm of travel is required to reach High Gear.
5. Secure the servo saver using the M3x6 screw.
6. Test the shifting operation and gradually increase EPA until both gears engage fully. Use only the minimum EPA required. Reduce EPA if the servo buzzes or binds.

***Important:** Failure to properly set up the servo and EPA may cause the servo to remain under constant load, resulting in premature servo failure or improper gear engagement.

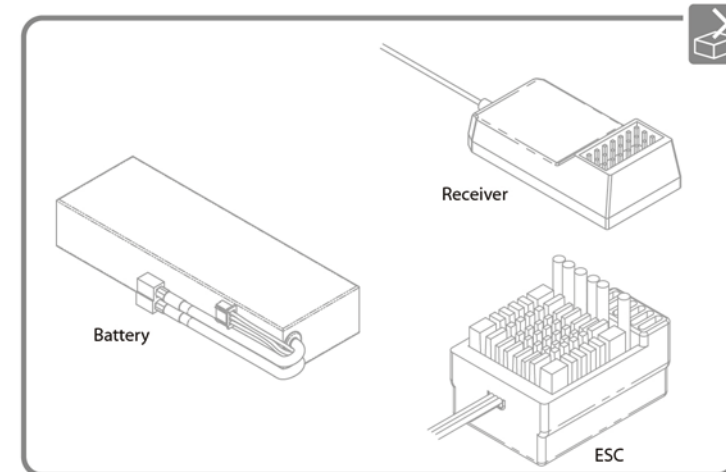


13 - RECEIVER BOX & ELECTRONICS INSTALLATION

Parts Needed:

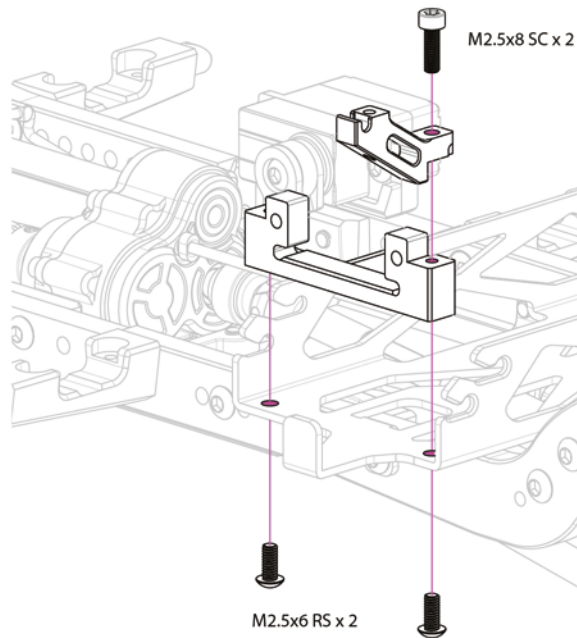


Cable Wiring Retainers
#BRT10037

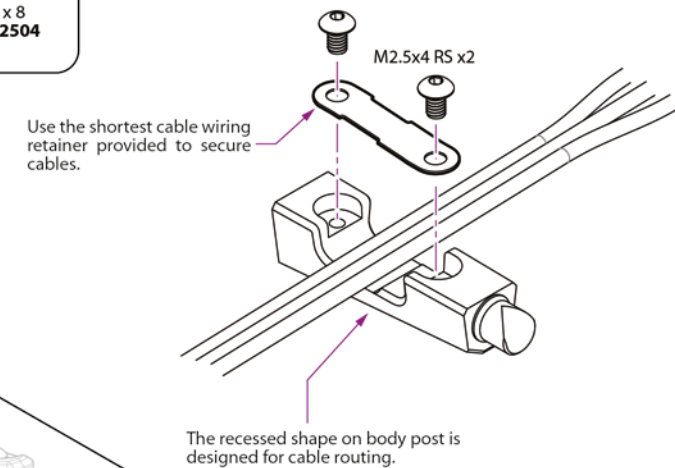



Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)


A CHASSIS


M2.5x4 RS x 8
#BRASBH2504

CABLE WIRING RETAINER

A CHASSIS

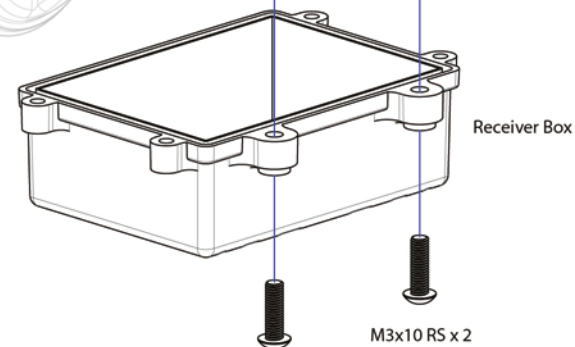

M2.5x6 RS x 2
#BRASBH2506



M2.5x8 SC x 1
#BRASCH2508

E RECEIVER BOX


M3x10 RS x 2
#BRASBH3010



Parts Needed:

G SERVOS

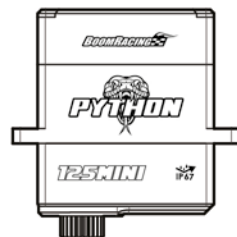
M2x7 RS x 1
#BRASBH2007

M2.5x4 RS x 1
#BRASBH2504

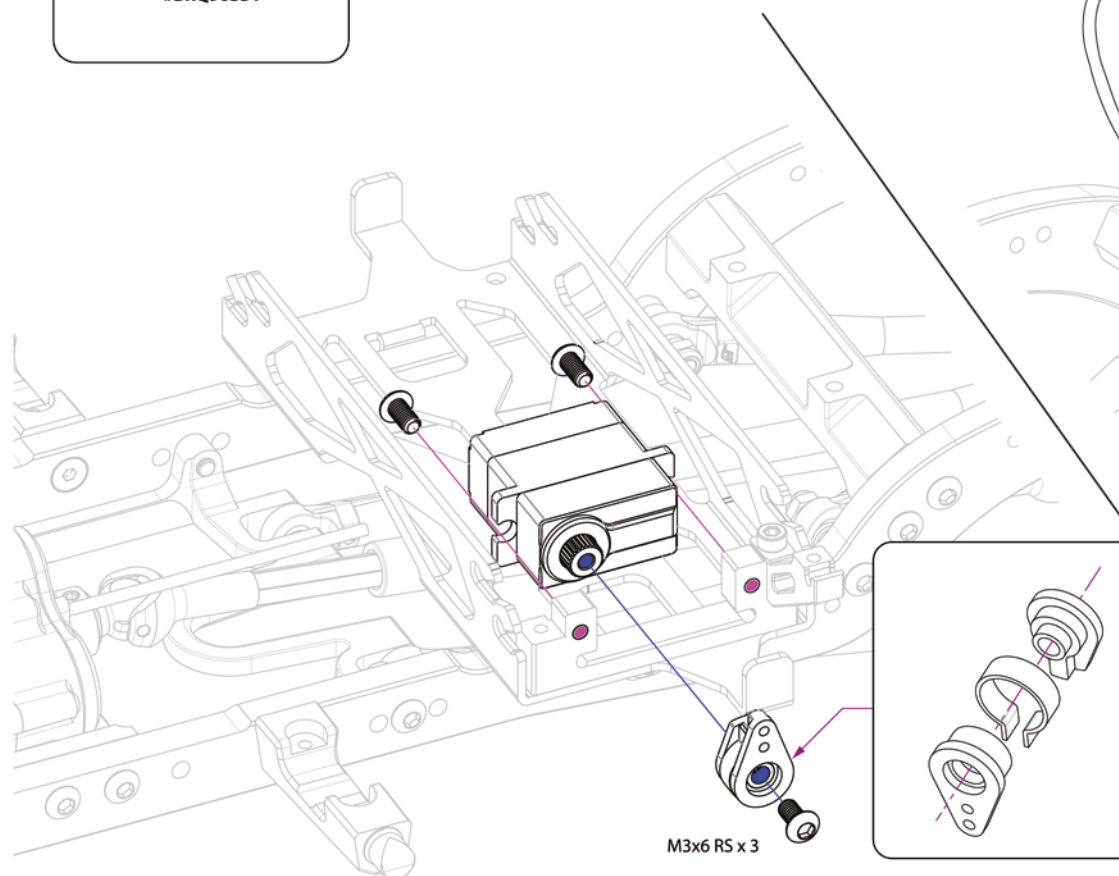
M3x6 RS x 3
#BRASBH3006



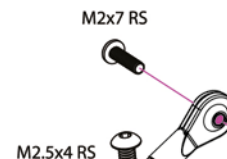
D2 Ball & Rod End x 1
#BRQ90351



**PYTHON™ 125Mini HV Waterproof
Aluminum Mini Servo**
125oz-in / 9kg-cm @ 8.4V
#BRPS125MINI



M3x6 RS x 3



With the servo connected, lower the EPA (End Point Adjustment) on both sides initially. Test the servo's rotational direction. Attach the rod end to the servo horn and fine tune the EPA.



Installing the SWD Shifting Mechanism & Setting EPA

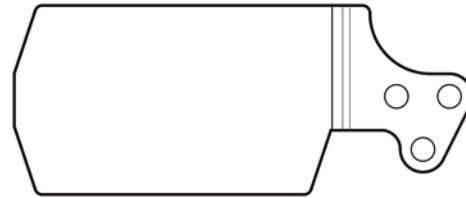
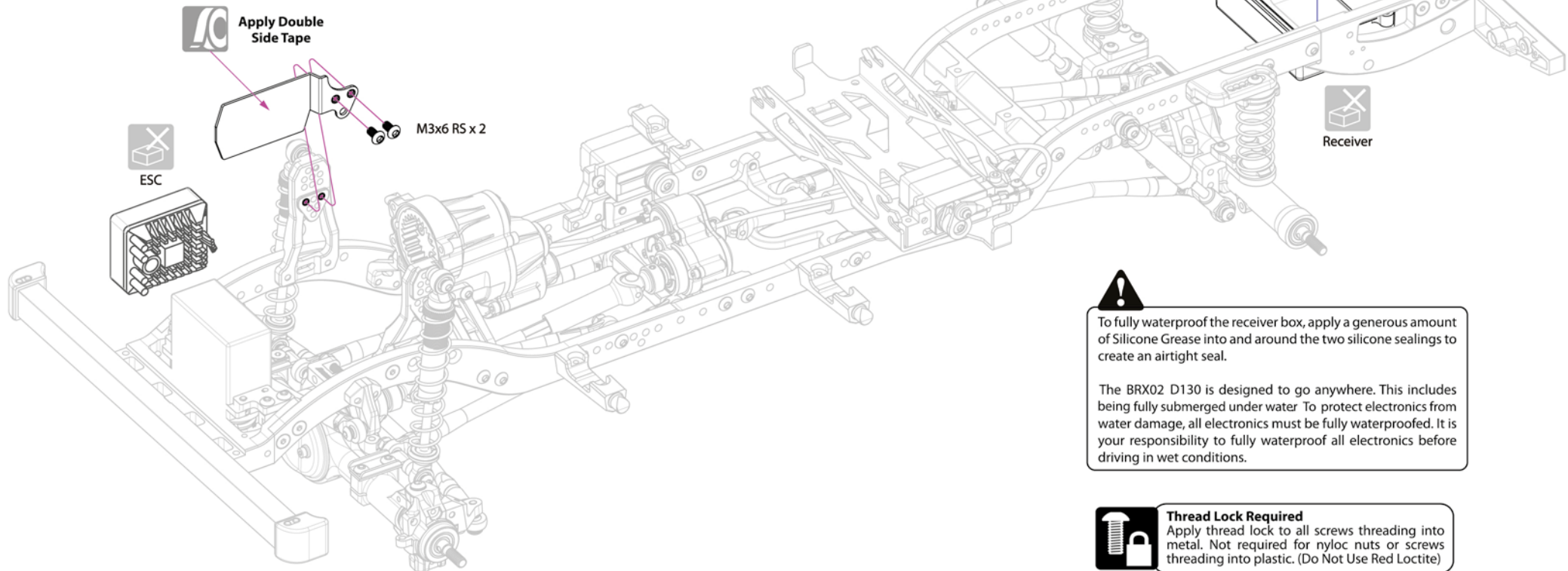
1. Install the mini servo using two M3x6 screws.
2. Temporarily connect the radio system and assign the mini servo to a channel with 2-position switch. A 2-position switch ensures the transfer case is always fully engaged in either 2WD or 4WD.
3. Fit the servo saver onto the servo output shaft.
4. Set the EPA (End Point Adjustment) to lower values on both sides. Verify the servo rotation direction (counterclockwise shifts to 4WD, clockwise shifts to 2WD).
5. Rotate the driveshaft to find the position to engage the gear-catcher. Pull the cable shaft at least 2.2mm to the 4WD position (refer to Page 23, Diagram 6.1). Set the radio switch to the 4WD position. Connect the rod end to the servo saver. Reposition the servo saver if the rod end does not line up.
6. Secure the servo saver using the M3x6 screw.
7. Test the shifting operation and gradually increase EPA until both 2WD and 4WD engage fully. The shifting mechanism requires approximately 2.2mm of travel between 2WD and 4WD. Use only the minimum EPA required.

***Important:** Failure to properly set up the servo and EPA may cause the servo to remain under constant load, resulting in premature servo failure or improper gear engagement.

A CHASSIS
 M3x6 RS x 2
#BRASBH3006

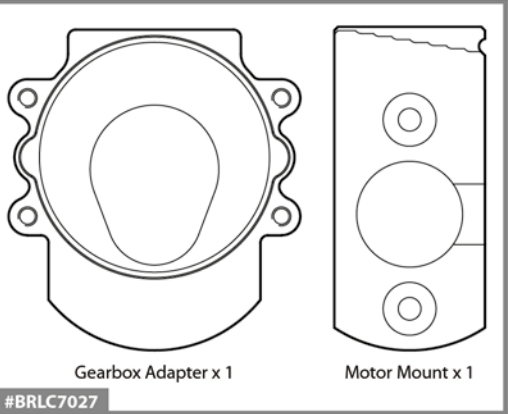
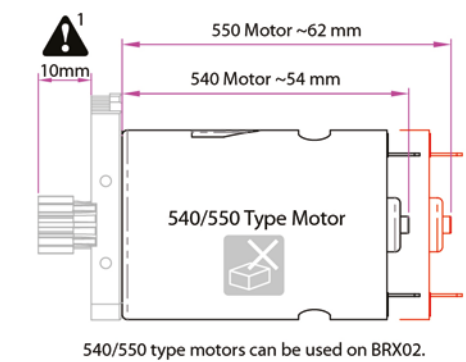
E RECEIVER BOX
 M2.5x6 RS x 2
#BRASBH2506

 M3x8 RS x 4
#BRASBH3008

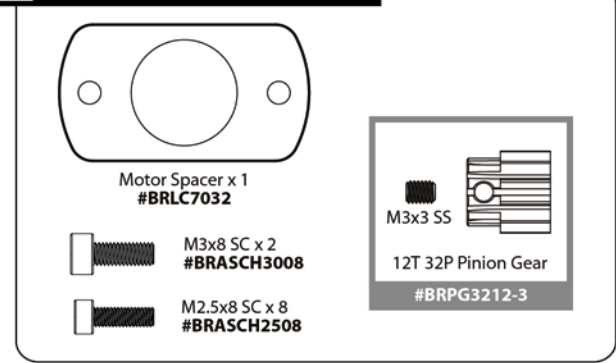
Parts Needed:

 Front ESC Mount Bracket x 1
#BRX020106


14 - MOTOR

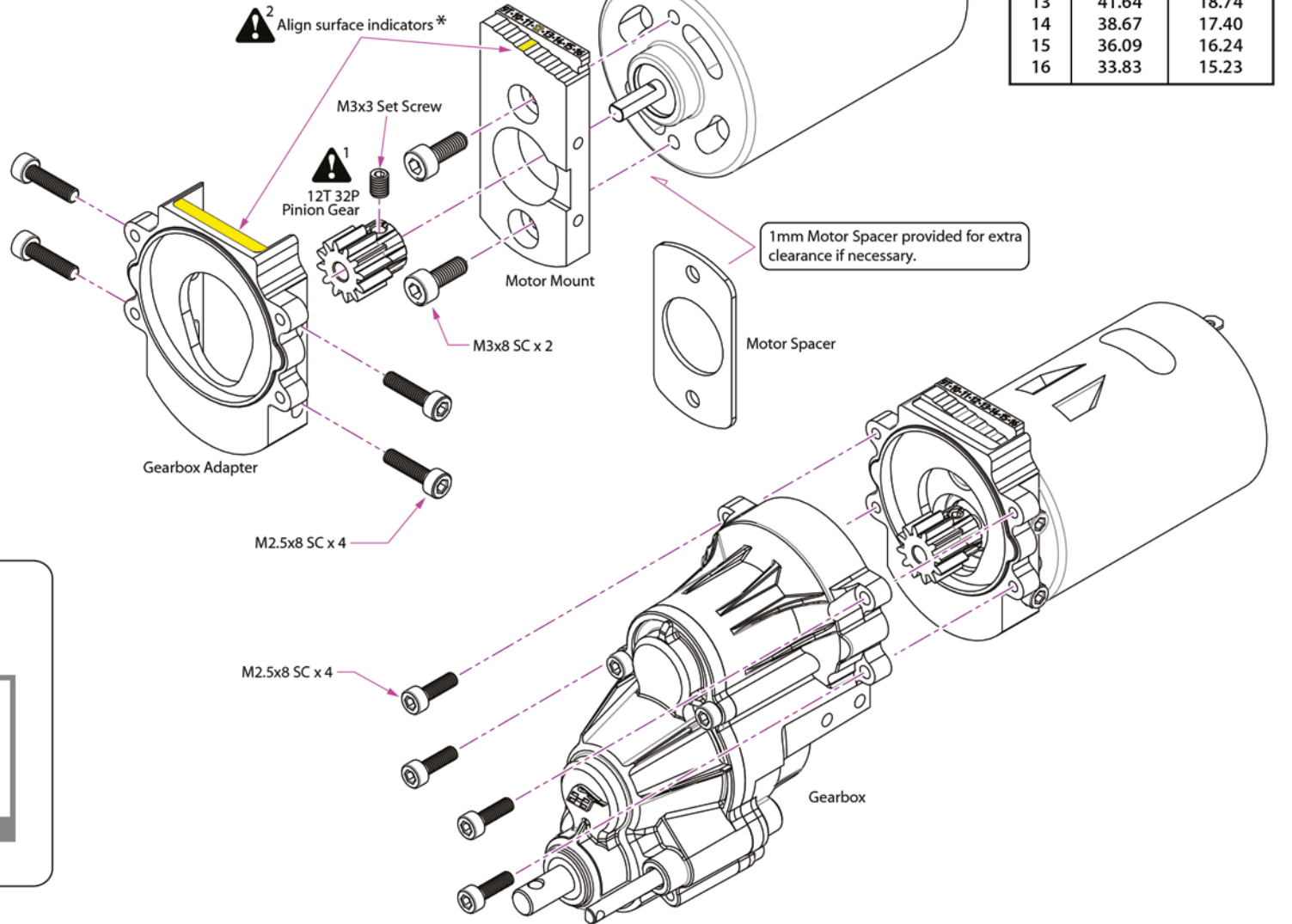
Parts Needed:



D GEARBOX / TRANSFER CASE



2
Use the corresponding number of the pinion gear tooth (1) on the Motor Mount to get the best gear mesh. Adjust the Motor Mount up and down until both surface indicators (2) are leveled (align at index 12 for the 12T pinion gear supplied as pictured).



Pinion Gear	Final Drive Ratio	
	1st Gear	2nd Gear
9	60.15	27.07
10	54.13	24.36
11	49.21	22.15
* 12	45.11	20.30 *
13	41.64	18.74
14	38.67	17.40
15	36.09	16.24
16	33.83	15.23

15 - WHEELS & TIRES

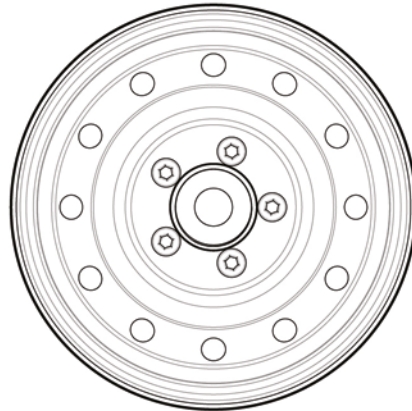
Parts Needed:



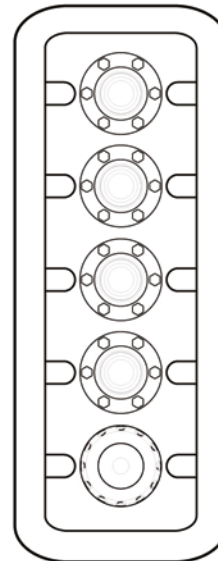
1.9" MAXGRAPPLER™ Scale RC Tire
 GEKKO Black
 3.82"x1.26" (97x32mm) x 4
 #BRTR19397



Rock Monster™ 1.9" Blue Foam Insert
 88x27 mm / 3.46"x1.06" x 4
 #BRRM19103B



1.9" Wolf Steelie Reversible
 Beadlock Wheels x 4
 with XT504V2 Wheel Hubs
 #BRW780928



Retro Nylon Center Wheel Cap x4
 (XT5 Series) w/ Tool
 #BRW780944

WHEELS

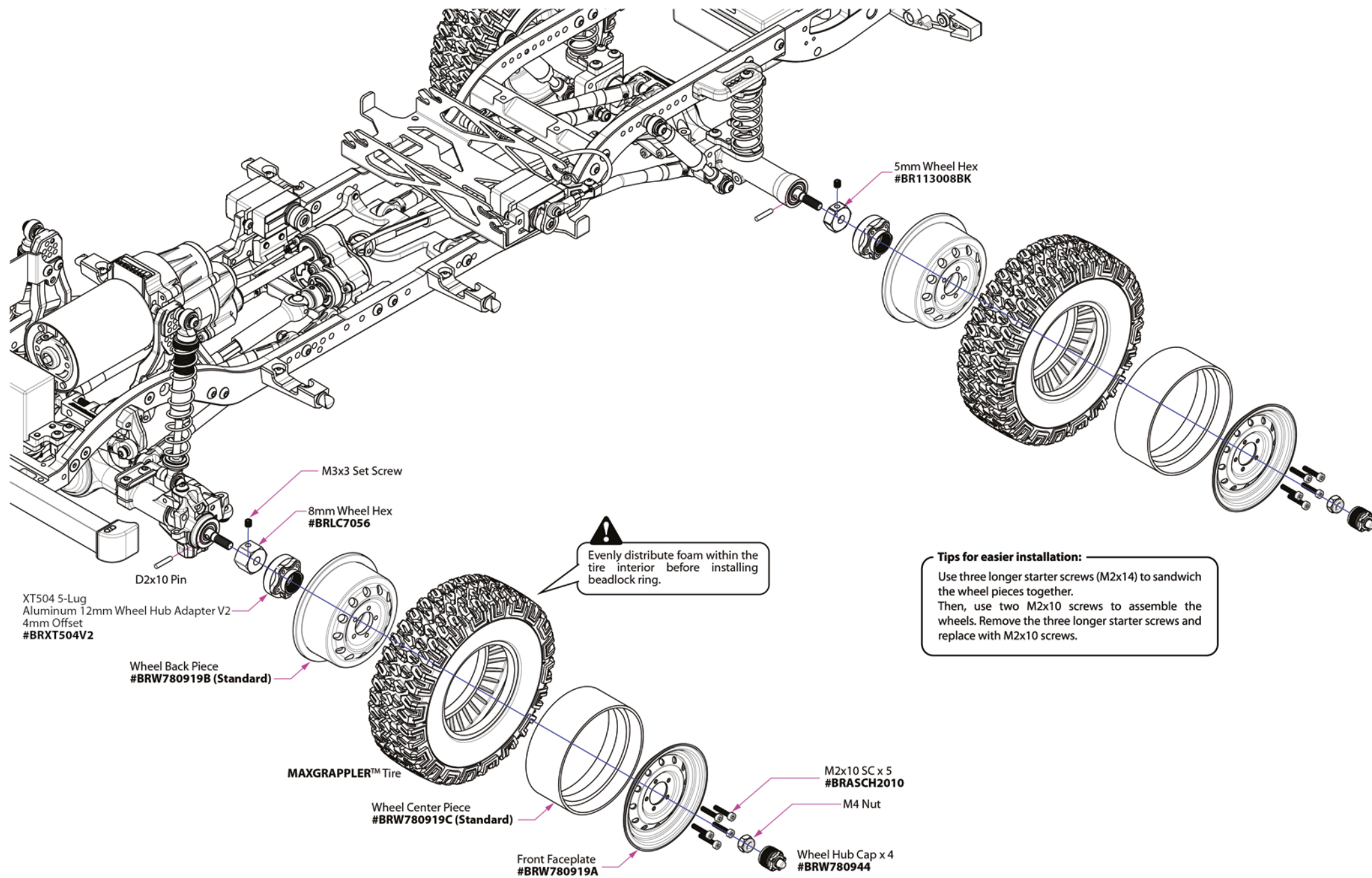
8mm Wheel Hex x 2
 #BRLC7056

5mm Wheel Hex x 2
 #BR113008BK

M4 Nut - Nyloc x 4
 #BRASNUTM4

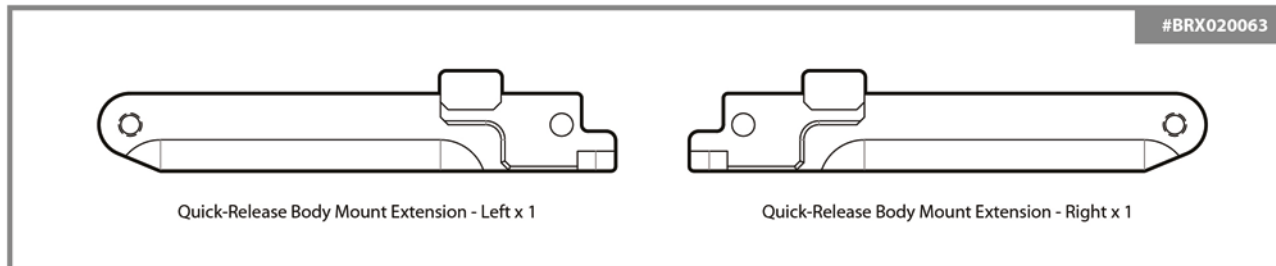
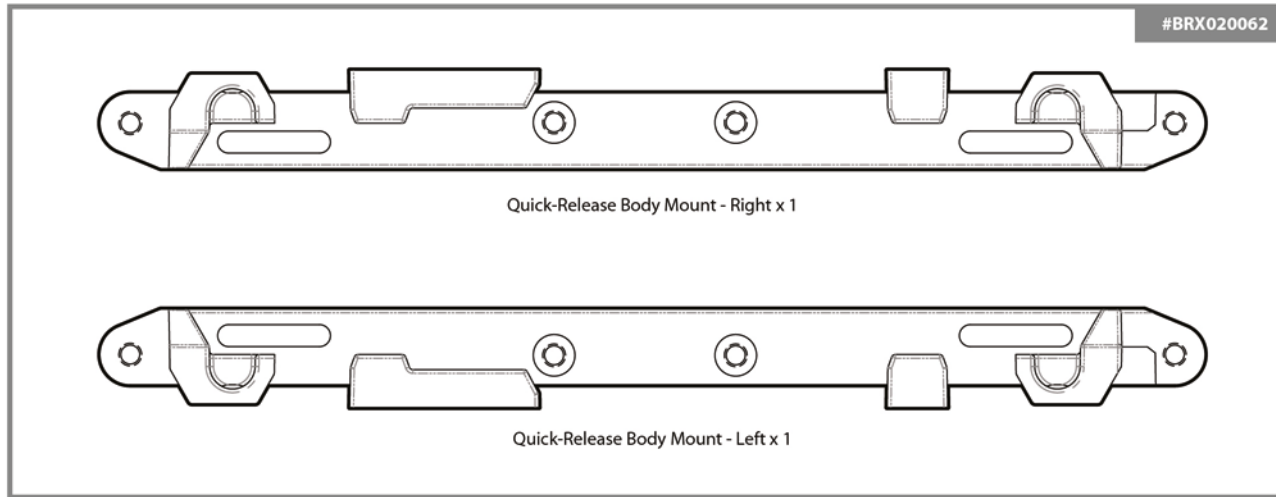
M3x3 SS x 4
 #BRASST3003

2x10mm Pin x 4
 #BRASPIN210



16 - BODY MOUNT

Parts Needed:



Quick-Release Body Latch x 2
#BRX020061

F BODY MOUNTS

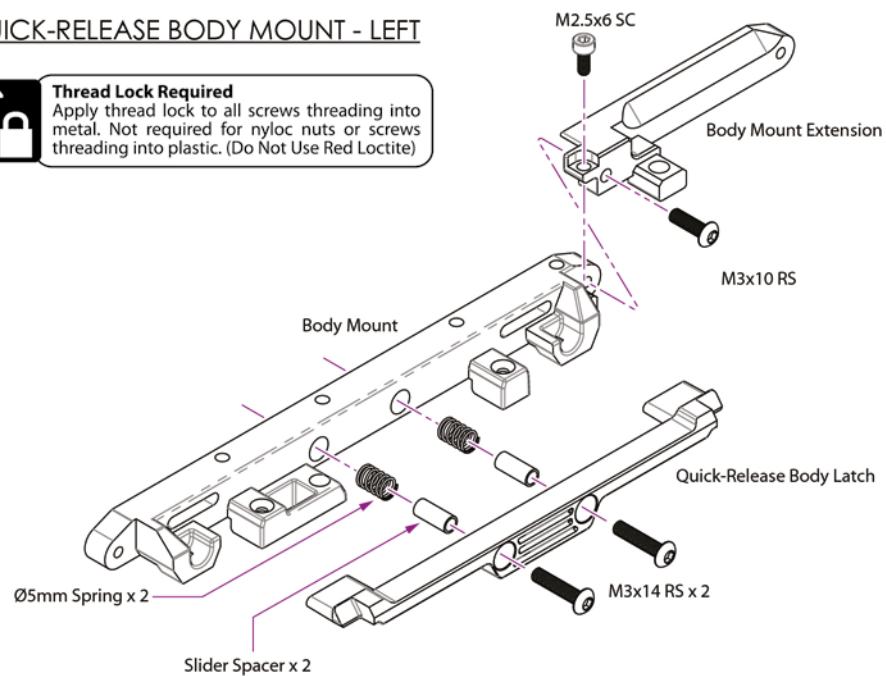
-  M3x14 RS x 4
#BRASBH3014
-  M3x10 RS x 2
#BRASBH3010
-  M3x8 CSS x 4
#BRASFH3008
-  M2.5x6 SC x 2
#BRASCH2506
-  Ø5mm Spring x 4
#BRASSPRING05510
-  Slider Spacer x 4
#BRX020035

QUICK-RELEASE BODY MOUNT - LEFT

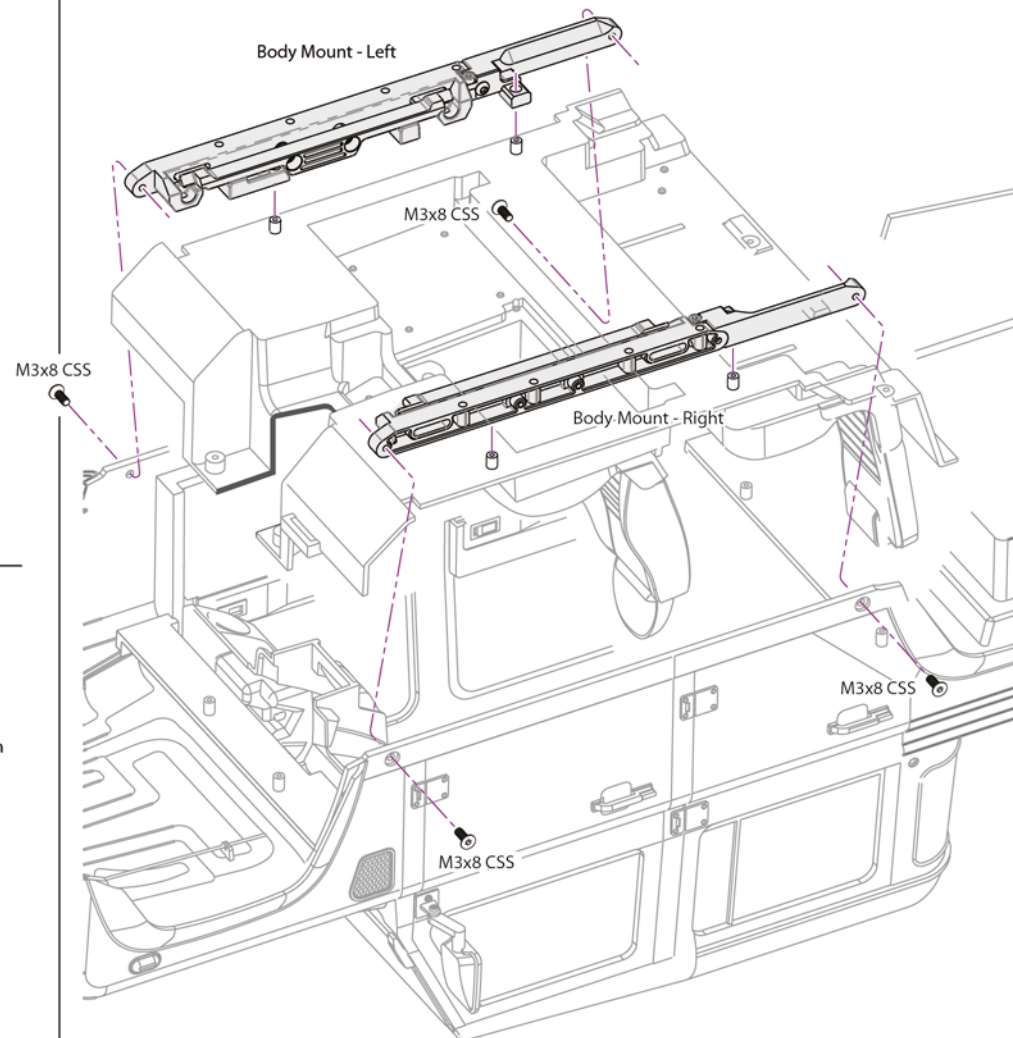
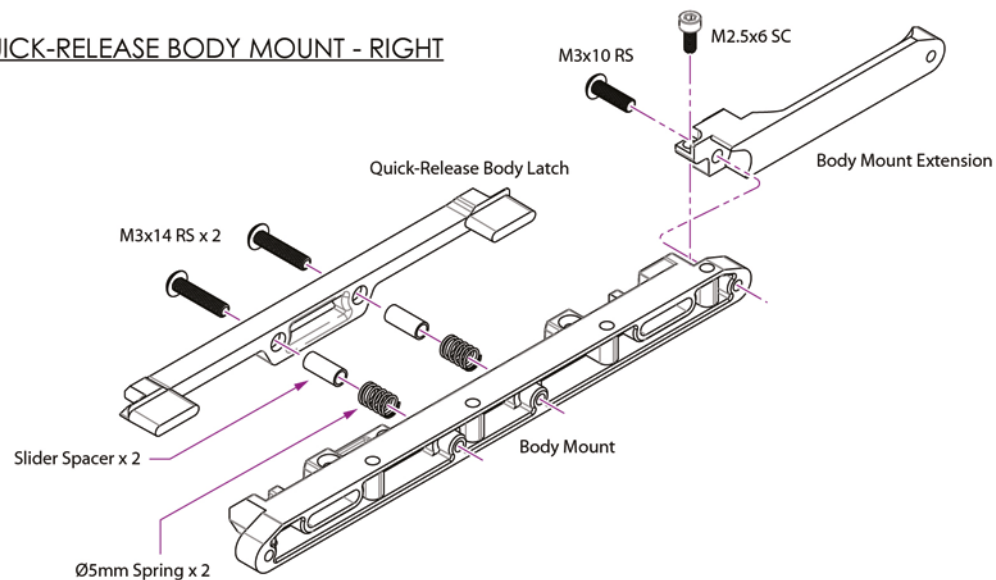


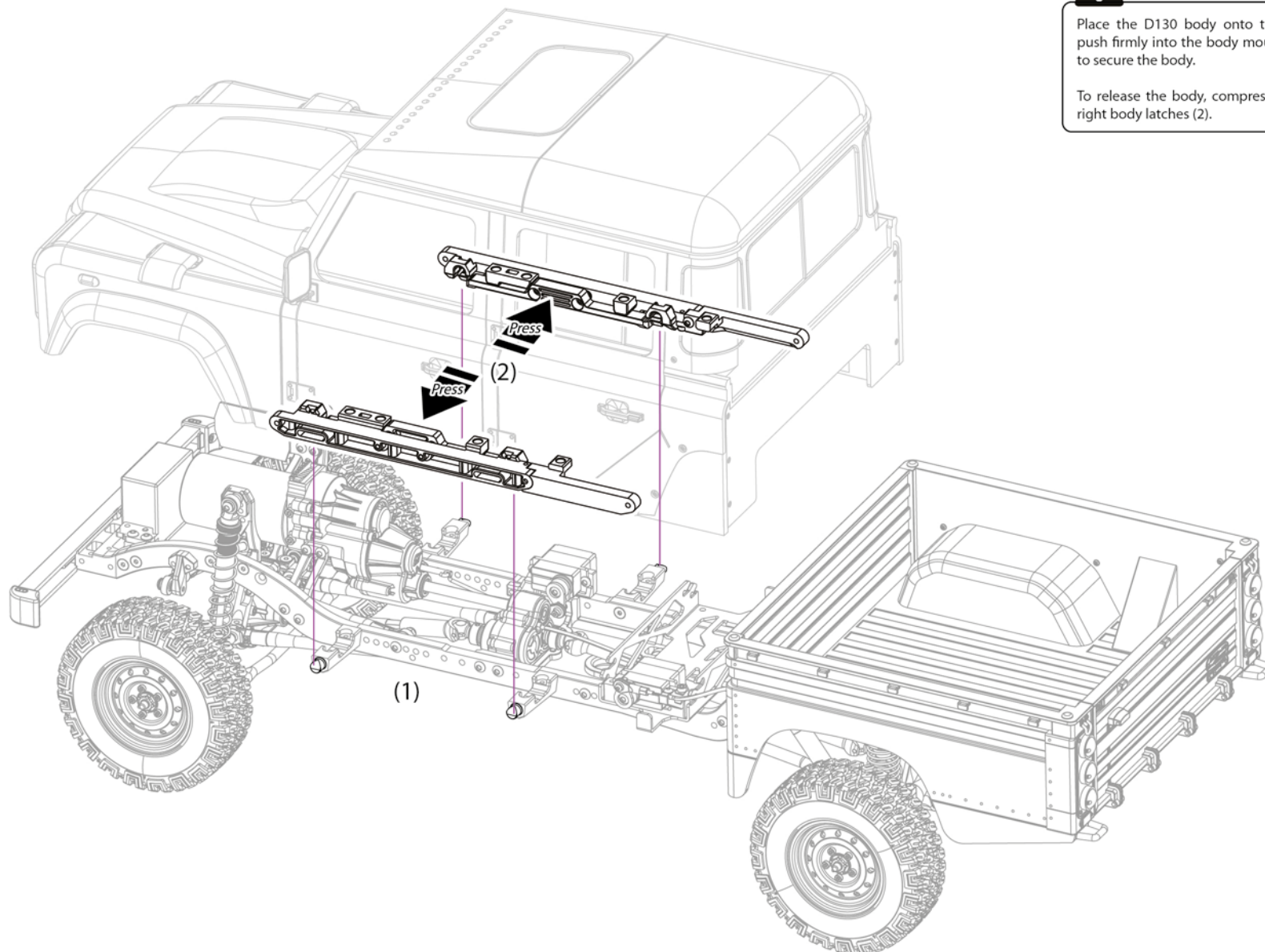
Thread Lock Required

Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)



QUICK-RELEASE BODY MOUNT - RIGHT



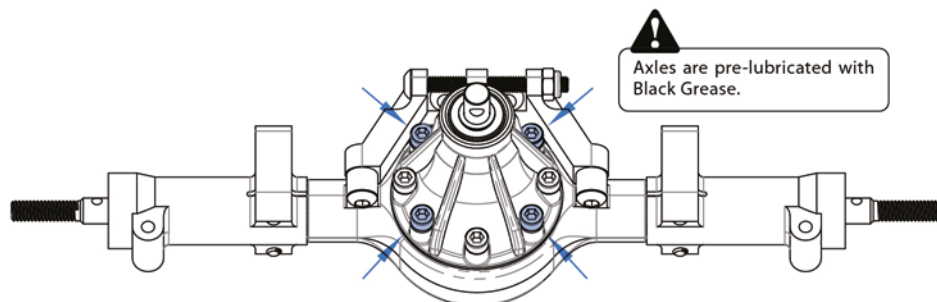
ATTACH / DETACH BODY

Place the D130 body onto the chassis and push firmly into the body mount brackets (1) to secure the body.

To release the body, compress both left and right body latches (2).

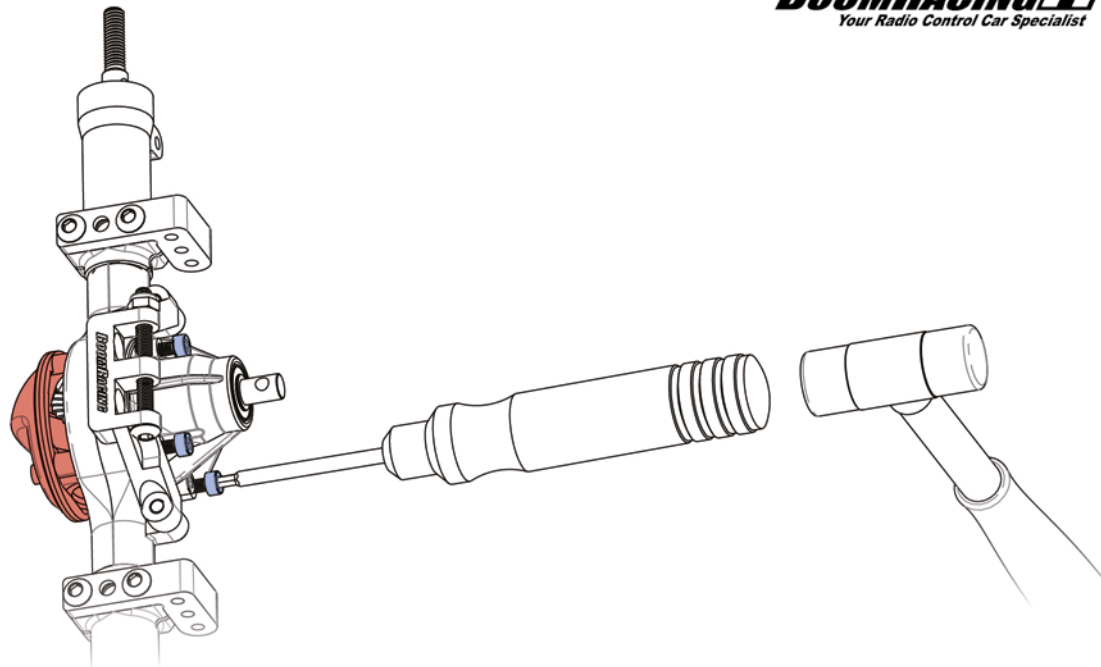
PRE-ASSEMBLED AXLE

Front Diff Cover Release Method In Case Assembly Is Tight.

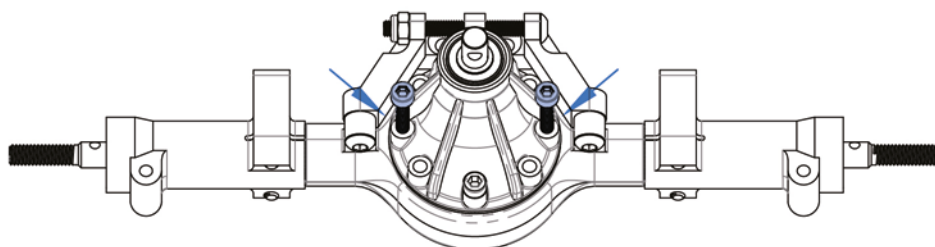


Step 1 - Loosen four M2.5x16mm socket screws indicated making the screw cap 3 mm apart from the case.

Step 2 - Hammer those screw slightly via screwdriver to release the front diff cover.



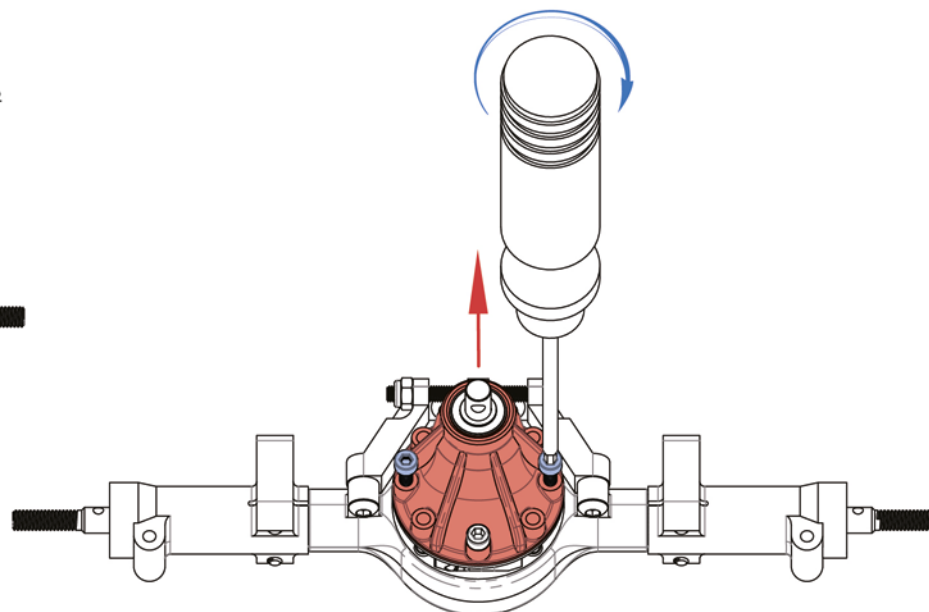
The Third Member Release Method When Assembly Is Tight.



Step 1 - Remove all M2.5x16mm and two M2.5x5mm socket screws

Step 2 - Install two M2.5x16mm socket screws into both left and right screw holes as indicated

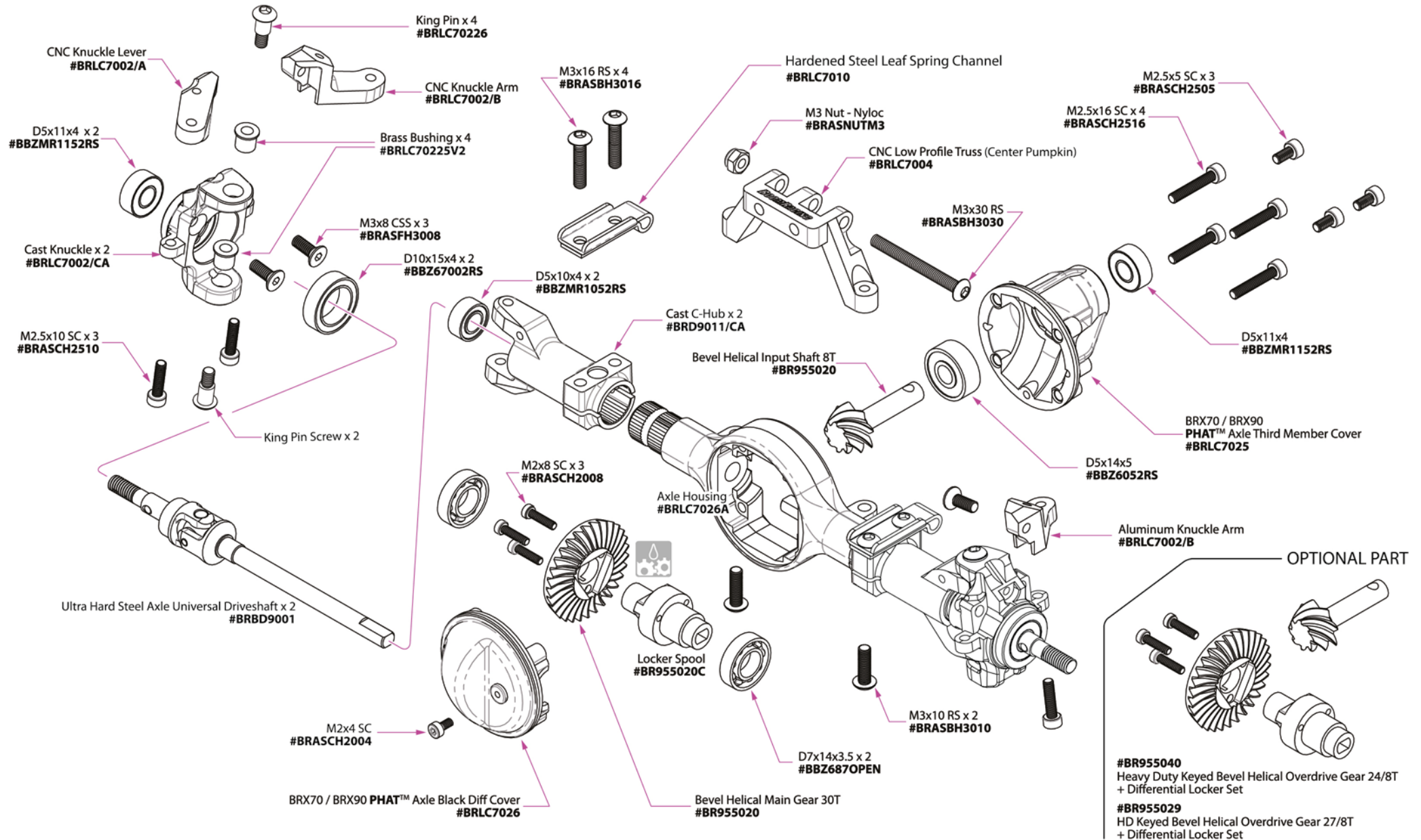
Step 3 - Lightly torque the screws until the third member is released



PRE-ASSEMBLED FRONT AXLE



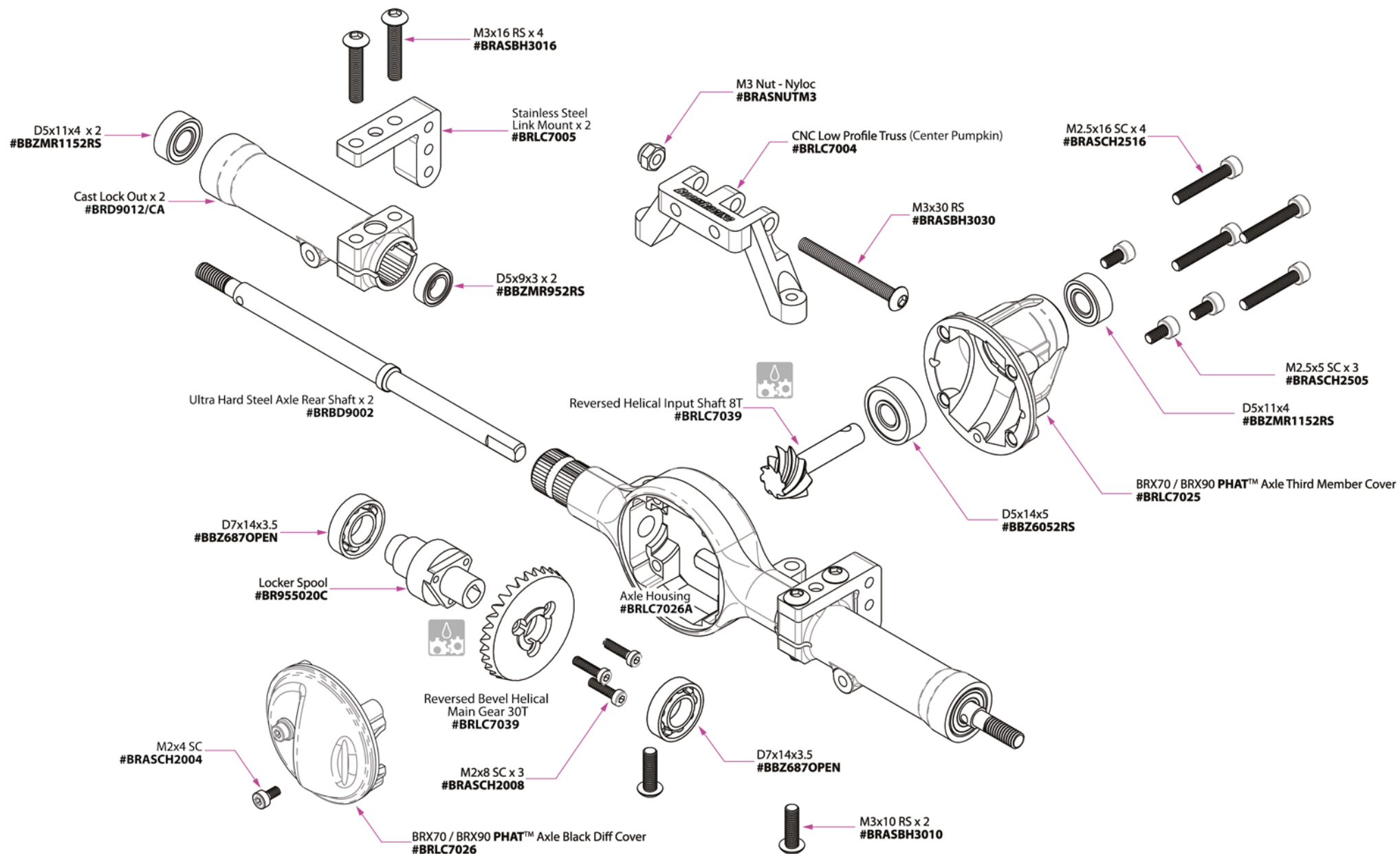
Apply a generous amount of Black Grease on all movable contact surfaces including gears, spacers, shafts and bearings.



PRE-ASSEMBLED REAR AXLE



Apply a generous amount of Black Grease on all movable contact surfaces including gears, spacers, shafts and bearings.



BRX02

PARTS LIST

Part #	Description	Part #	Description
BBZ6052RS	5x14x5mm High Performance Rubber Sealed Ball Bearing	BRASSPD5805	Spacer D5X8X0.5 Stainless Steel
BBZMR1042RS	4x10x4mm High Performance Rubber Sealed Ball Bearing	BRASSPRING05510	0.5x5x10 Springs (4)
BBZMR1052RS	5x10x4mm High Performance Rubber Sealed Ball Bearing	BRASST3003	M3x3 SS Set Screw
BBZMR115RS	5x11x4mm Ball Bearing (7)	BRASST3004	M3x4 SS Set Screw
BBZMR1172RS	7x11x3mm Ball Bearing (1)	BRASST3024/DS	M3 2.4x12 SS Steel Driveshaft Screw Pin
BR113008BK	12mm Aluminum Wheel Hex Adapters 5mm Wide w/ Steel Pins & Set Screws (2)	BRASST4016	M4x16 SS Set Screw
BR955020	30/8T HD Steel Triangular Keyed Bevel Helical Gear + Diff Locker Spool Set	BRBD9001	BADASS™ Ultra Hard Steel Universal Driveshaft (2pcs) for BRX90 PHAT™ Centered Axle
BR955020C	Diff Locker Spool for BRX Axle HD Helical Bevel Keyed Gears	BRBD9002	BADASS™ Ultra Hard Steel Axle Rear Shaft (2pcs) for BRX90 PHAT™ Axle
BRASBH2007	M2x7mm Round Head 12.9 Grade Nickel Plated Screws	BRD9011/CA	C-Hub for BRX90 PHAT™ Axle Cast (2)
BRASBH2504	M2.5x4mm Round Head 12.9 Grade Nickel Plated Screws	BRD9012/CA	Lockout for BRX90 PHAT™ Axle Cast (2)
BRASBH2506	M2.5x6mm Round Head 12.9 Grade Nickel Plated Screws	BRD9022A	Stainless Steel Tie Rod
BRASBH3006	M3x6mm Round Head 12.9 Grade Nickel Plated Screws	BR-G100	BCF2™ 2-Speed Scale Transmission Gearbox
BRASBH3008	M3x8mm Round Head 12.9 Grade Nickel Plated Screws	BRGRS10274-10	BADASS™ Silicone Grease 10g
BRASBH3010	M3x10mm Round Head 12.9 Grade Nickel Plated Screws	BRGRS1055-10	BADASS™ Black Graphite Grease 10g
BRASBH3012	M3x12mm Round Head 12.9 Grade Nickel Plated Screws	BRGRS242	242 Thread Lock 2g
BRASBH3014	M3x14mm Round Head 12.9 Grade Nickel Plated Screws	BRKD003-112	KUDU™ Heavy-Duty 102.5-121mm Steel CVD Center Drive Shaft (1)
BRASBH3016	M3x16mm Round Head 12.9 Grade Nickel Plated Screws	BRKD003-167	KUDU™ Heavy-Duty 158-183mm Steel CVD Center Drive Shaft (1)
BRASBH3018	M3x18mm Round Head 12.9 Grade Nickel Plated Screws	BRKSPRING-65G	KUDU Shock Springs Medium (Green) 65mm
BRASBH3020	M3x20mm Round Head 12.9 Grade Nickel Plated Screws	BRKSPRING-65Y	KUDU™ Shock Springs Hard (Yellow) 65mm (2)
BRASBH3022	M3x22mm Round Head 12.9 Grade Nickel Plated Screws	BRLC7002/A	Aluminum Knuckle Lever (High Clearance) Right
BRASBH3030	M3x30mm Round Head 12.9 Grade Nickel Plated Screws	BRLC7002/B	Aluminum Knuckle Arm (Low Profile) for BRX PHAT™ Knuckle (2)
BRASCH2008	M2x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws	BRLC7002/CA	Knuckle for BRX PHAT™ Axle Cast (2)
BRASCH2506	M2.5x6mm Socket Cap Screw 12.9 Grade Nickel Plated Screws	BRLC7004	Aluminum Low Profile Axle Truss Mount for BRX PHAT™ Axle (Center Pumpkin)
BRASCH2508	M2.5x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws	BRLC7005	Aluminum Link Mount for BRX70/BRX80/BRX90 PHAT™ Axle
BRASCH2510	M2.5x10mm Socket Cap Screw 12.9 Grade Nickel Plated Screws	BRLC7010	Steel Leaf Spring Channel w/ Shock Mount for BRX70/BRX80/BRX90 PHAT™ Axle (2)
BRASCH3008	M3x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws	BRLC70210	HD Steel Gear Set for B2X™/SWD™/DIG Transfer Case
BRASCH3010	M3x10mm Socket Cap Screw 12.9 Grade Nickel Plated Screws	BRLC70226	Kingpin for BRX PHAT™ Axle (4)
BRASEC30	E-Clip 3mm	BRLC7024	BRX PHAT™ Axle Housing with Black Diff Cover
BRASFH2005	M2.5x5mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws	BRLC7025	BRX PHAT™ Axle Third Member Cover
BRASFH2508	M2.5x8mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws	BRLC7026	BRX PHAT™ Axle Black Diff Cover
BRASFH3006	M3x6mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws	BRLC7027	Aluminum Gearbox Adapter with Stainless Steel Motor Mount
BRASFH3010	M3x10mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws	BRLC7029-12T	Heavy Duty 12T Gear
BRASFH3018	M3x18mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws	BRLC7029-15T	Heavy Duty 15T Gear
BRASHS3005	Steel Hex Cap Screw M3x5x5 (2)	BRLC7029-20T	Heavy Duty 20T Gear
BRASNUTM3	Non-Flanged Nylon Lock Nut M3	BRLC7029-24T	Heavy Duty 24T Gear
BRASNUTM4	Non-Flanged Nylon Lock Nut M4	BRLC7030	HD Steel Spur Gear Mount
BRASPIN210	Wheel Hex Pin (Steel) 2x10mm	BRLC7031	28T Internal Spur Gear (32P) for BCF2™ Transmission
BRASSPD427/N	4x7x2mm Nylon Spacer Black	BRLC7032	Steel Motor Spacer 1mm
BRASSPD4705	Spacer D4X7X0.5 Stainless Steel	BRLC7033	BRX Universal Receiver Box Set w/ Silicone Seals
BRASSPD5705	Spacer D5X7X0.5 Stainless Steel	BRLC7033A	Silicone Seal & Port for BRX Receiver Box
BRASSPD5801	Spacer D5X8X0.1 Stainless Steel	BRLC7039	30/8T Reverse HD Steel Triangular Keyed Bevel Helical Cut Diff Gear w/ Spool Set
		BRLC7040	3x6x5mm Aluminum Tapered Spacer
		BRLC7041	3x6x3mm Aluminum Tapered Spacer
		BRLC7044	Ultra Hard Steel Gearbox Shaft (3)

PARTS LIST

Part #	Description	Part #	Description
BRLC7044A	Ultra Hard Steel Gear Catcher	BRX020018F	Front Shock Mount L & R
BRLC7044E	BCF2™ Assembled 2-Speed Transmission Gear Set	BRX020021	Aluminum Battery Tray
BRLC7045A	Brass Shifter Cap and Bushing	BRX020022LK	PHAT™ BRX90 Straight Link Version Complete Front Axle (Center Pumpkin)
BRLC7045B	Ultra-Hard Steel Shifter	BRX020023LK	PHAT™ BRX90 Straight Link Version Complete Rear Axle (Center Pumpkin)
BRLC7045C	Stainless Steel Shift Rod	BRX020024	Axle Panhard Mount
BRLC7050-1	Stainless Steel Adjustable Drag Link 55mm	BRX020025	Chassis Panhard Mount
BRLC7056	12mm Aluminum Wheel Hex Adapters 8mm Wide w/ Steel Pins & Set Screws (4)	BRX020029	BCF2™ Gearbox Transmission w/ Bearing Holder Set
BRLC7059	30cm JR Extension Cable (2)	BRX020034	Body Latch Pins (4)
BRPG3212-3	32P 12T / 3.175mm Steel Pinion Gear	BRX020035	Stainless Steel Slider Spacer
BRPROB-03MBK	ProBuild 1.9" Aluminum Center Clamp Ring 21.5mm	BRX020039	Body Post (4)
BRPS125Mini	PYTHON™ 125Mini HV Waterproof Aluminum Mini Servo 125oz-in / 9kg-cm @ 8.4V	BRX020043KIT	Rebuild Kit for KUDU™ Steel CVD Center Drive Shaft
BRQ90351	M2 Link Rod End Ball Joint (1)	BRX020051	Shift Linkage Rod
BRRM19103B	Rock Monster™ 1.9" BLUE Foam Insert 88x27mm	BRX020061	Quick-Release Body Latch Set (2)
BRSH0070	KUDU™ 70mm Scale Shock Absorbers (2)	BRX020062	Quick-Release Body Mount L & R
BRSH0090-SP	KUDU™ 90mm Coilover Scale Shock Absorbers (2)	BRX020063	Quick-Release Body Mount Extension L & R
BRSHJR	KUDU™ 90mm Coilover Scale Shock Absorbers (2)	BRX020101-SWD	SWD (Selectable RWD/4WD) Transfer Case Kit
BRSHJR	Joint Retainers for KUDU™ Shock Damper (10)	BRX020104	Wire Cable for BRX02 DIG / SWD Transfer Case
BRSHK030	30WT Shock Oil 15ml	BRX020106	Steel Front ESC Mount Bracket
BRSHK030S	BADASS Silicone Shock Oil 30wt 15ml	BRX020110	Gearbox Side Mount L & R
BRSHKIT	Rebuilt Kit (X-Ring, Separator, Rod Guide) for KUDU™ Scale Shock Absorbers (2)	BRX027030	6mm Aluminum Chassis Rail L & R
BRSH-O	Ball End Seal O-ring for KUDU™ Scale Shock Absorbers (4)	BRX027031	Aluminum Rear Bumper Mount (2)
BRSH-RT	KUDU™ Aluminum Shock Spring Retainer (2) Black	BRX027032	Stainless Steel High-Clearance Chassis Links Set (7)
BRSH-RT	KUDU™ Aluminum Shock Spring Retainer (2) Black	BRX027032-116	Stainless Steel Rear Lower Link 116mm
BRSH-SHAFT70	Shock Shaft for KUDU™ 70mm Scale Shock (2)	BRX027032-48	Stainless Steel Rear Upper Link 48mm
BRSH-SHAFT90	Shock Shaft for KUDU™ 90mm Scale Shock (2)	BRX027032-60	Stainless Steel Front Upper Link 60mm
BRSD06-15	D6x1.5 O-Ring	BRX027032-95	Stainless Steel Front Lower Link 95mm
BRSP40-SPRINGG	KUDU™ 40mm Solid Axle Coil Spring Green (Medium) (2)	BRX027033	Stainless Steel Panhard Bar
BRSP40-SPRINGY	KUDU™ 40mm Solid Axle Coil Spring Yellow (Hard) (2)	BRX027034	Extended High-Clearance Center Skid Plate w/ Stainless Steel Plate
BRT10028	Tool Set	BRX027035	Aluminum Front Bumper
BRT10037	Cable Wiring Retainer (18)	BRX027036	Front Bumper End Caps (2)
BRT10053	KUDU™ Aluminum Pivot Ball Tool / Ball End Remover Tool	BRX027037	Aluminum SWD™ Transfer Case Housing
BRTR19397	1.9" MAXGRAPPLER BLACK Gekko Compound 3.82"x1.26" (97x32mm) (2)	BRX027039	Top Bracket for KUDU™ Solid Axle Coil Spring (A/B)
BRW750306A	KUDU™ Heavy-Duty Rust-Resistant M4 Nylon Rod Ends 18.5mm (Straight)	BRX027040	Top Mount for KUDU™ Solid Axle Coil Spring (2)
BRW750307D	KUDU™ Heavy-Duty Rust-Resistant M4 Nylon Rod Ends 20.00mm (Upwards)	BRX027041	Bottom Mount for KUDU™ Solid Axle Coil Spring (2)
BRW750309B	KUDU™ Heavy-Duty Rust-Resistant M4 Nylon Rod Ends 21.8mm (Straight)	BRX027042	High Efficiency Coupling Shaft
BRW750310	BADASS™ Heavy-Duty Stainless Steel End Pivot Balls 5.8x3x7.4mm	BRX027043	Internals for SWD™ Transfer Case
BRW750310E	KUDU™ Heavy-Duty Rust-Resistant M4 Nylon Rod Ends 23.7mm (Upwards)	BRX027044	Mini Servo Mount & Wire Retainer for SWD™/DIG Transfer Case
BRW780928	1.9" Wolf Steelie Reversible Beadlock Wheels w/ ProBuild™ XT504V2 Hubs	BRX027045	Mini Servo Mount
BRW780944	Retro Nylon Center Wheel Cap (4) (XT5 Series) w/ Tool	BRX027046	Aluminum Mini Servo Horn Set 25T (Standard Size)
BRX020007	Aluminum Steering Servo Mount (2)	BRXT504V2	ProBuild™ XT504 V2 5-Lug Aluminum 12mm Wheel Hub Adapters 4mm Offset Version 2
BRX020012	Rear Crossmember		
BRX020014	Middle Crossmember		
BRX020015R	Aluminum Rear Bumper		
BRX020016	Aluminum Front Crossmember		

PARTS LIST (Optional Accessories)

Part #	Description
Power & LEDs	
BRTL002	KUDU™ LED Light Module System
BRTL145	KUDU™ LED Light Bar 145mm
BRTL50	KUDU™ LED Light Bar 50mm
BRTL95	KUDU™ LED Light Bar 95mm
BRX027056	11.1V 3200mAh 90C Graphene 3S LiPo Battery
Drivetrain & Gears	
BR955029	HD Overdrive 27/8T Differential Gear Set
BR955040	HD Overdrive 24/8T Differential Gear Set
BR955042	HD Underdrive 33/8T Differential Gear Set
BRLC70201-GEAR	Overdrive Transfer Case Gear Set
BRLC7086F	Front Axle Skid Plate
BRLC7086R	Rear Axle Skid Plate
BRPG3210-3	32P 10T Steel Pinion Gear
BRPG3211-3	32P 11T Steel Pinion Gear
BRPG3213-3	32P 13T Steel Pinion Gear
BRPG3214-3	32P 14T Steel Pinion Gear
BRPG3215-3	32P 15T Steel Pinion Gear
BRPG3216-3	32P 16T Steel Pinion Gear
BRPG32COMBO1-3	32P Pinion Gear Combo 9T-12T
BRPG32COMBO2-3	32P Pinion Gear Combo 13T-16T
BRPG32COMBO-3	32P Pinion Gear Combo 9T-19T
BRX020102-DIG	DIG Transfer Case Kit
BRX02428-90	BADASS™ Steel Universal Driveshaft (2pcs) for BRX90 PHAT™ Straight Axle (Offset)
Axles & Accessories	
BRD9011	Aluminum C-Hub for BRX90 PHAT™ Axle
BRD9012	Aluminum Rear Lockout for BRX90 PHAT™ Axle
BRD9024	Brass Rear Lockout Base Weight for BRX80/BRX90 PHAT™ Axle
BRLC7002	Aluminum Knuckle for BRX PHAT™ Axle
BRLC7088	XT Differential Cover
BRLC7089	Brass Front Knuckle Base Weight for BRX PHAT™ Axle
BRLC7091	Brass Large Weight Blocks
BRLC7092	Brass Small Weight Blocks
BRPT004	Steel Anti-Twist Bracket 0 Deg
BRPT004+10	Steel Anti-Twist Bracket 10 Deg
BRPT9022KIT	Front Portal Axle Conversion Kit for BRX90 PHAT™ Axle
BRPT9023KIT	Rear Portal Axle Conversion Kit for BRX90 PHAT™ Axle
BRX02427	Offset Housing Set PHAT™ Axle
BRX02429L	BRX PHAT™ Axle Aluminum Upper Link Truss (Offset Pumpkin, Left Side)
BRX02431-90LK	BRX90 Front Straight PHAT™ Axle (Offset Pumpkin) Link Version w/ AR44 HD Gears Assembled

If you have questions, call Boom Racing at:
1-209-676-8880 (USA) or email Boom Racing at sales@boomracing.com

WWW.ENJOYBEINGABADASS.COM

BRX02

Part #	Description
Suspension	
BRKSPRING-65 Set	KUDU™ Spring Assortment Set for 90mm Coilover Scale Absorbers
BRKSPRING-65B	KUDU™ Soft Springs for 90mm Coilover Scale Absorbers
BRKSPRING-65R	KUDU™ Super Hard Springs for 90mm Coilover Scale Absorbers
BRKSPRING-65W	KUDU™ Super Soft Springs for 90mm Coilover Scale Absorbers
BRS0080	KUDU™ 80mm Scale Shock Absorbers (2)
BRSP0090	KUDU™ Big Bore 90mm Coilover Aluminum Performance Shocks
BRSP90-SPRINGG	KUDU™ Shock Springs Medium (Green) for Big Bore BRSP0090
BRSP90-SPRINGB	KUDU™ Shock Springs Soft (Blue) for Big Bore BRSP0090
BRSP52-SPRINGG	KUDU 52mm Solid Axle Coil Spring Green (Hard)
BRSP52-SPRINGY	KUDU 52mm Solid Axle Coil Spring Yellow (Hard)
Tires & Wheel Accessories	
BRPROB-21	ProBuild™ Brass Clamp Ring 69g
BRT19010-SS-RM	TPD™ 1.9" GEKKO™ BLACK 108 x 41.9mm RC Crawler Tire + Rock Monster™ Green Foam Insert
BRW780935	ProBuild™ Brass Adjustable Weighted Clamp Ring Set
BRXT500V2	ProBuild™ XT500 V2 Hub Adapters
BRXT502PIN	XT502PIN Wheel Hub Adapters
BRXT508V2	ProBuild XT508 V2 Hub Adapters
BRXT512	XT512 Wheel Hub Adapters
BRXT516V2	ProBuild™ XT516 V2 Hub Adapters
BRXT5DU	Adjustable Dually Adapter
BRLC7084	Stainless Steel Cross Drilled & Slotted Brake Disc 12mm Hex (2)
Winch & Accessories	
BR-365W	Muscle Winch 500oz Servo Winch
BR-405W-35	Muscle Winch 555oz Servo Winch
BRD90110036	Muscle Winch Mount Lead Kit
Chassis	
BRLC70103	D-Ring Shackle & Mount Set
BRX020015F	Aluminum Front Bumper for BRX02
BRX020067	Universal Front Skidplate
BRX020069	Front Skidplate with D-Rings
BRX020069A	D-Ring Shackle Set
BRX020080	Rear Step Bumper
BRX020081	Rear Step Tow Bumper
BRX020090	Front Nudge Bar
BRX020091	Front Wide Bull Bar
BRX020092	Spectre Side Steps
BRX020109F	Aluminum Front Bumper for Series & Defender
BRX020109R	Aluminum Rear Bumper
BRX02102	B3D Classic Front Bumper w/ Replica Winch
BRX02103	B3D Spectre Front Bumper w/ Replica Winch
BRX02104	B3D Squared Front Bumper w/ Replica Winch
BRX02105	B3D Gull Wing Front Bumper
BRX02382BK	Military Front Bumper
BRX02421	Tow Ball Hitch
BRX02424	Tow Ball & Jaw Pin Hitch
BRX027051	KUDU Steel Tubular Rock Sliders
Tools	
BRT10065	KUDU™ Aluminum Multipurpose Shock Pliers Tool
BRT10058	KUDU Multifunctional Soldering Jig Tool
BRT10062	KUDU™ Tool Set (17pcs) + Carrying Bag with 2 Yr Warranty
BRT10063	KUDU™ Tool Bag

Brian Parker (Recon G6 • @drivnmf • United States)

Big on adventure. Big on scale realism. Big on features. Once again, Boom Racing proves that you get what you pay for with another top-quality kit.

Adam Sajdak (Maxee RC • @maxeerc • Germany)

It was an honor to be part of the D130 project. The amount of passion, hard work, and dedication behind every aspect of this launch is incredible. Congratulations to everyone involved.

Stefan Dölderer & Andreas Hahn (AMS Performance Scale • @ams_scale_performance • Austria)

The D130 perfectly combines driving fun and scale realism. Agile on the trail, beautifully crafted, and incredibly stable thanks to the new rear suspension system.

Jeremy Kilburn (ATEase RC • @at_ease_rc • United States)

More than twenty people who had never driven a Boom Racing vehicle got behind the wheel of my D130, and every one of them was amazed. I constantly refer to it as a performance scale platform because that's exactly what it is.

Dariusz Cybula (RC/DC • @rc_dc_scale_rc • Germany)

The D130 goes straight to the heart of scale RC enthusiasts. The build quality, realistic driving characteristics, and scale appearance are so convincing you'll sometimes forget it's an RC model.

Denis Rodier (@denis130381 • Germany)

The D130 sets a new benchmark for technology, build quality, and performance. From the stainless steel links to the machined chassis rails, every component reflects exceptional quality and precision.

Peter Gray (Scaletra Adventure Global Brand Manager • @madpete_gray • United Kingdom)

The D130 surpasses every BRX02 release I've owned. Its versatility, stability, and engineering make it equally enjoyable for relaxed trailing and challenging technical terrain.



BOOMRACING®
Your Radio Control Car Specialist

BRX02
D130

1/10 4WD RADIO CONTROL CHASSIS KIT FOR LAND ROVER DEFENDER 130

WWW.ENJOYBEINGABADASS.COM