SCALE 4WD Series

BOLT-ON KIT
PARTIAL ASSEMBLY REQUIRED

BOOMRACING®

BRX01

PRO SPEC

1/10 4WD SCALE CRAWLER KIT WITH LC70 HARD BODY



www.EnjoyBeingABadass.com

PRODUCT CODE: BR8018 INSTRUCTION MANUAL VERSION 1.0

WHERE HERITAGE MEETS PERFORMANCE

Welcome to your BRX01 PRO SPEC build.

The BRX01 PRO SPEC represents the ultimate evolution of the BRX01 platform, combining proven engineering with enhanced performance, durability, and scale realism.

As you work through the build, you'll assemble the systems that form the foundation of your BRX01 PRO SPEC, gaining a deeper understanding of how the chassis performs on the trail.
Take your time, enjoy the process, and thank you for choosing Boom Racing.

BUILT FOR YOUR NEXT ADVENTURE

The BRX01 PRO SPEC is engineered as a versatile platform for a wide range of scale builds. Whether paired with a factory-equipped body or customized for your own project, it provides the foundation to bring your vision to life.
Designed for dedicated scale enthusiasts, the PRO SPEC incorporates carefully selected upgrades to deliver greater capability, refined handling, and an even more rewarding building experience.

EVOLUTION WITHOUT COMPROMISE.

REGISTER YOUR BRX01 PRO SPEC

Make your BRX01 PRO SPEC officially yours by registering your chassis with Boom Racing.
Register your chassis to link it to your Boom Racing account, keep track of your BRX collection, and enjoy exclusive benefits through Scaletra Adventure.
Simply scan the QR code or visit the link below to complete your registration.
https://www.boomracing.com/vehicleregistration

Scan to register your BRX01 PRO SPEC

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.

Download on the App Store

GET IT ON Google Play

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

BOLT-ON KIT
PARTIAL ASSEMBLY REQUIRED

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 BRX01 PRO SPEC 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.

SCALE 4WD Series

The Scale 4WD Series is Boom Racing's range of scale-based 4WD RC products geared towards realistic appearance.

AGE 14+

⚠ 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 CHLDREN'S REACH.

⚠ CAUTIONS ⚠

BEFORE YOU PROCEED

Congratulations! Owning the BRX01 PRO SPEC 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.
Boom Racing offers spare parts and 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 not.

SAFETY PRECAUTIONS

All of us here at Boom Racing want you to enjoy your new vehicle. Operate your BRX01 PRO SPEC sensibly and with care, and it will be exciting, safe and fun for you and those around you. Failure to operate your BRX01 PRO SPEC 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.
- BRX01 PRO SPEC can be very fast and quiet. It could cause injury to those unaware of its presence.

Inspect Your BRX01 PRO SPEC Before and After Operation

- Make sure that all screws and nuts are properly tightened.
- Apply thread lock to screws that thread into metal.
- Adjust steering servo and trim so that the BRX01 PRO SPEC runs straight with transmitter in neutral.
- Disconnect/remove all batteries after operation.
- Replace any batteries that are dented, swollen, or have frayed wires. Damaged batteries may short-circuit and cause a fire.
- Completely remove sand, mud, dirt etc after use to prolong the life of the BRX01 PRO SPEC.
- 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.
If you decide to return the BRX01 PRO SPEC, do not begin assembly. Your hobby dealer will not accept a model for return or exchange after you have started assembly.

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 PYTHON 125Mini 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.fb.com/boomracingrc) or Instagram: DM @boom_racing

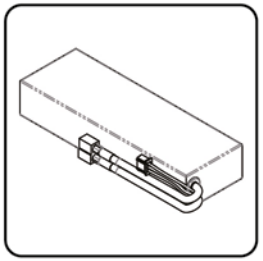
   You may be asked to complete a warranty service request form. A copy of your purchase receipt may be required.
2. Our Customer Support may ask you to return and ship the defective product back to us. Label and ship the product, freight prepaid, to the address provided by Boom Racing; and
3. Place any 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.

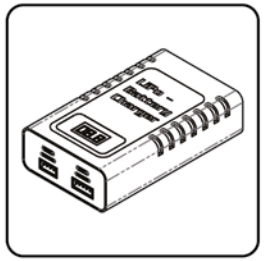
Equipment Required



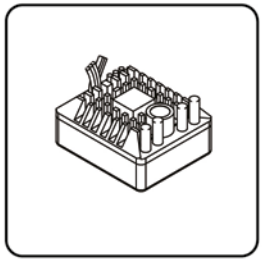
4-Channel Radio System



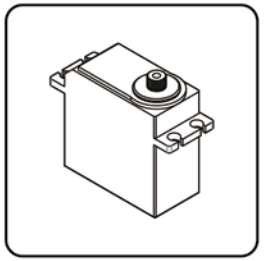
Battery



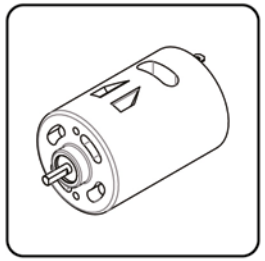
Charger



ESC

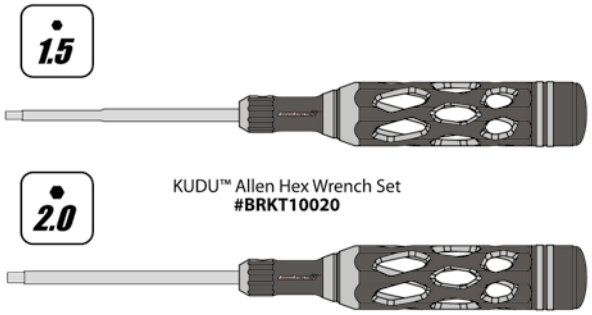


Steering Servo



540/550 Motor

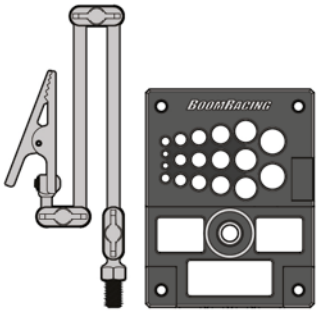
Tools Recommended



KUDU™ Allen Hex Wrench Set
#BRKT10020



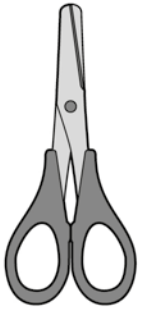
Shock Slime Grease 5g
#BRGRS09-5GB



Multifunctional Soldering Jig
#BRT10058



Multipurpose Shock Pliers
#BRT10065



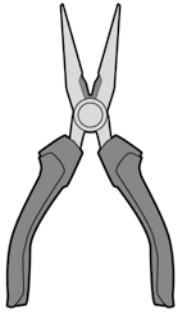
Scissors



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

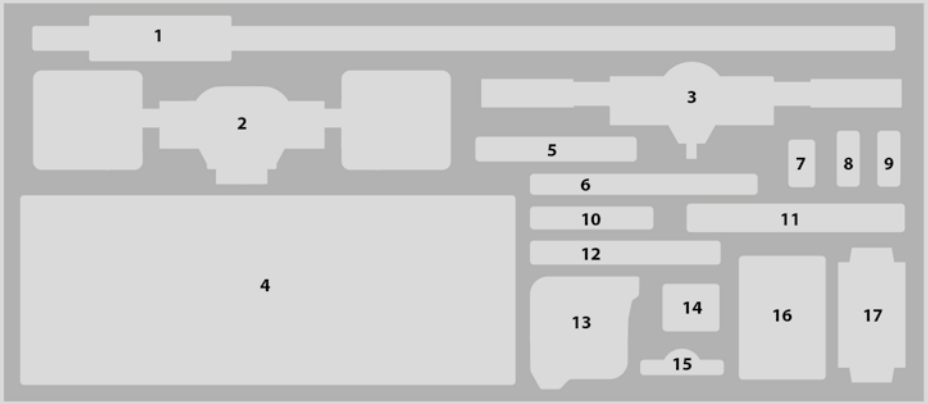


Item not included.

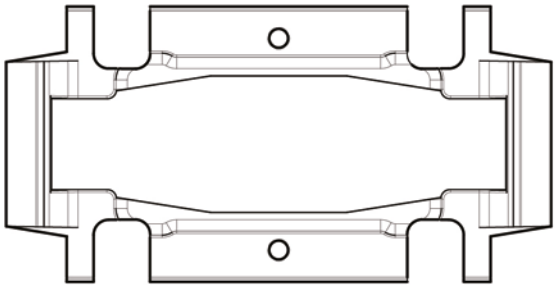


Pay attention to note on page.

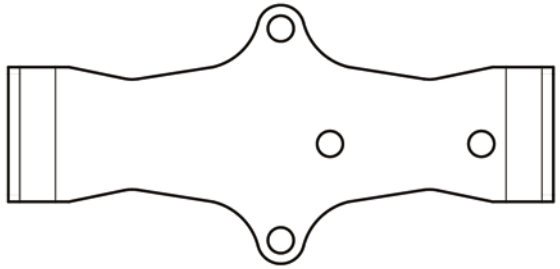
PART LOCATION MAP (TOP)



17 #BRX020020

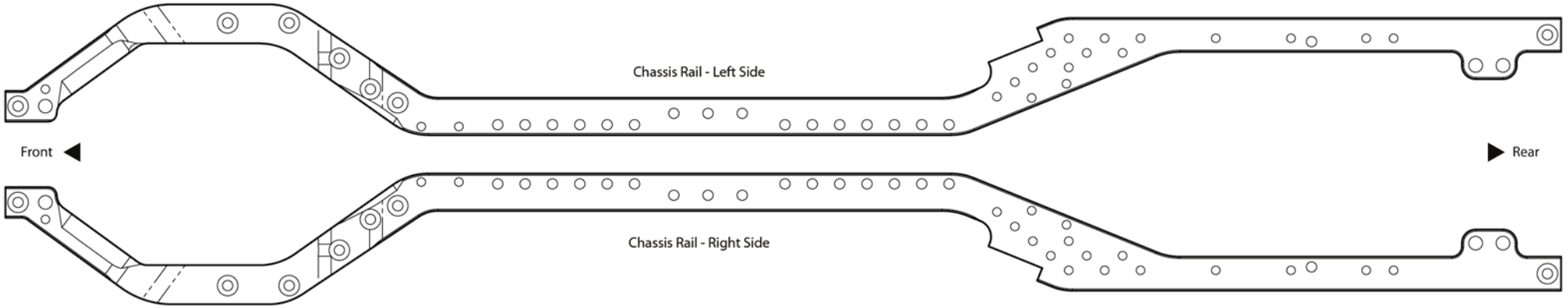


Center Link Mount x 1

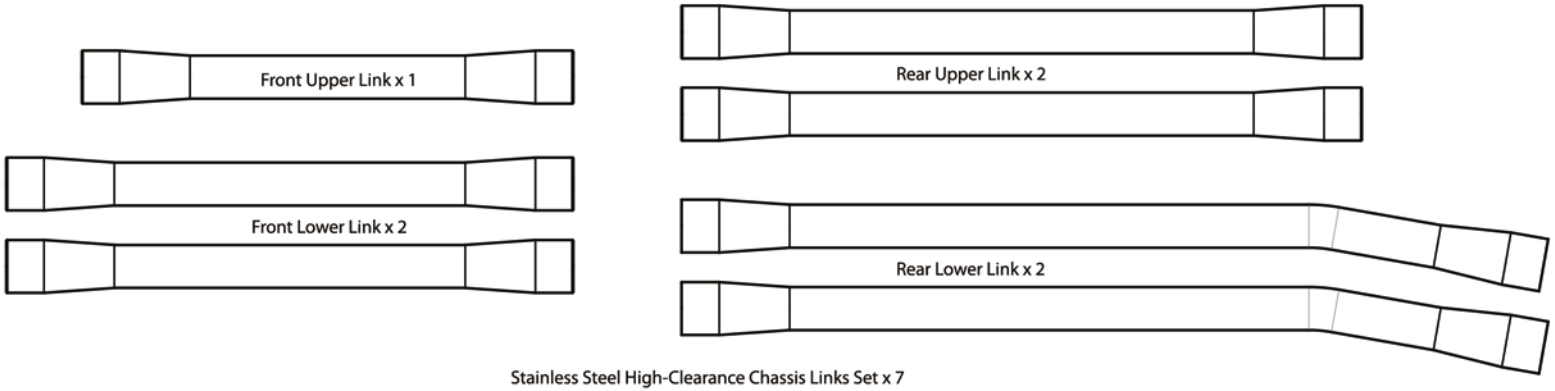


Center Stainless Steel Skid Plate x 1

1 #BRLC7011



11 #BRLC7219



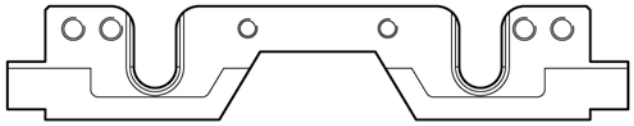
Stainless Steel High-Clearance Chassis Links Set x 7

4



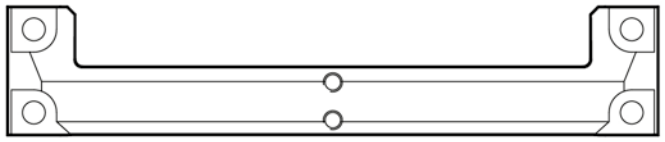
Aluminum Low-Profile
Servo Horn 25T x 1
#BRLC7055

5



Front Crossmember x 1
#BRLC7015

5



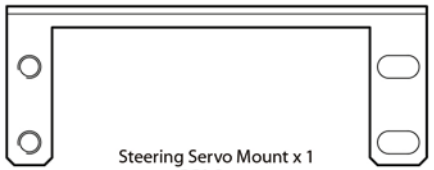
Middle Crossmember x 1
#BRLC7014

5



Rear Crossmember x 1
#BRLC7012

17



Steering Servo Mount x 1
#BRLC7016

17

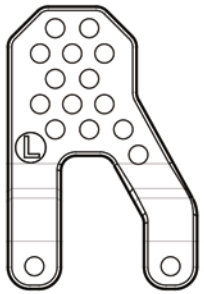


Body Hinge Mount x 1
#BRLC7013

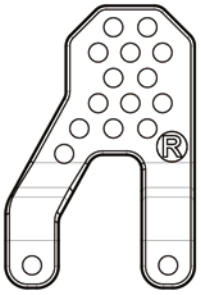


Panhard Chassis Mount x 1
#BRLC7074A

7 **#BRLC70218**

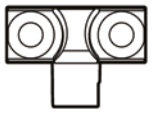


Front Offset Shock Tower
- Left x 1



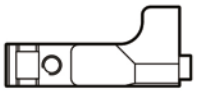
Front Offset Shock Tower
- Right x 1

17

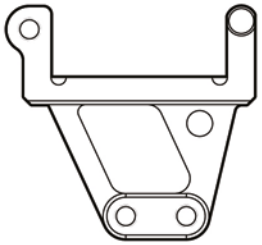


Axle Panhard Mount x 1
#BRX020024

17



Cable Retainer x 1



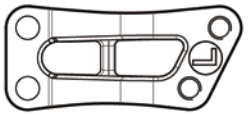
Mini Servo Mount - Left x 1



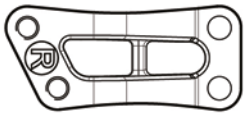
Mini Servo Mount - Right x 1

#BRLC70100

17 **#BRX020110**

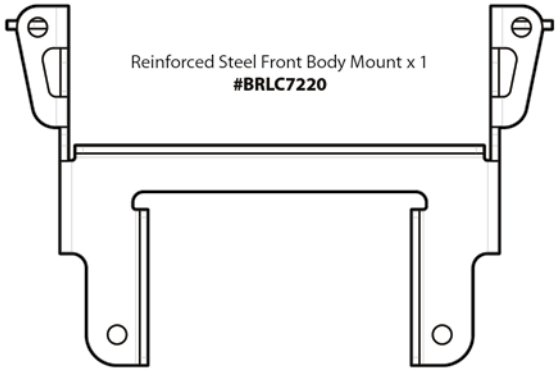


Side Gearbox Mount
- Left x 1



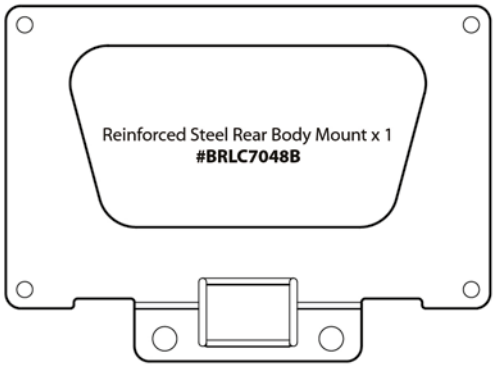
Side Gearbox Mount
- Right x 1

4



Reinforced Steel Front Body Mount x 1
#BRLC7220

16



Reinforced Steel Rear Body Mount x 1
#BRLC7048B

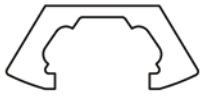
17 **#BRLC7062**



Preload Spring x 1



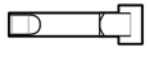
Handle x 1



Guard x 1



M2.5x14 SC x 1



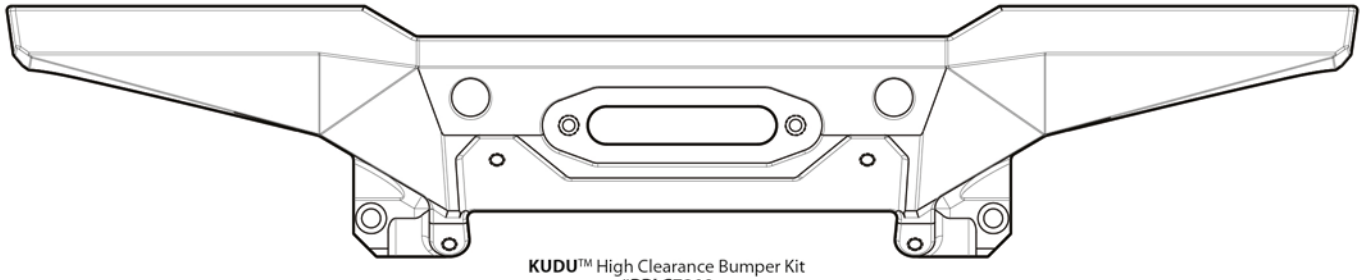
Lock Pin x 2



M2.5x2.5 SS x 1

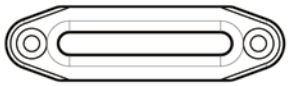
BRX01

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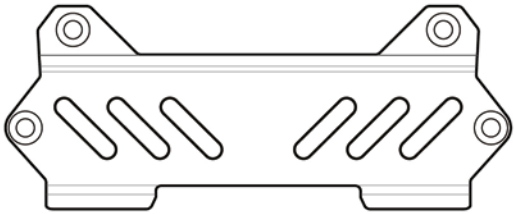
KUDU™ High Clearance Bumper Kit
#BRLC7210

4



Aluminum Fairlead x 1
#BRX02396S

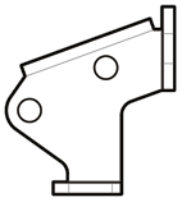
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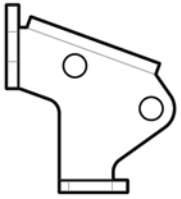
Stainless Steel Slotted Skid Plate x 1
#BRLC7099D

4

#BRLC7212



Steel Front Bumper Mount
- left x 1



Steel Front Bumper Mount
- Right x 1

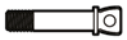
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Steel Stubby Bull Bar x 1
#BRLC7096AV2

4

#BRLC70103



Shackle Pin x 2

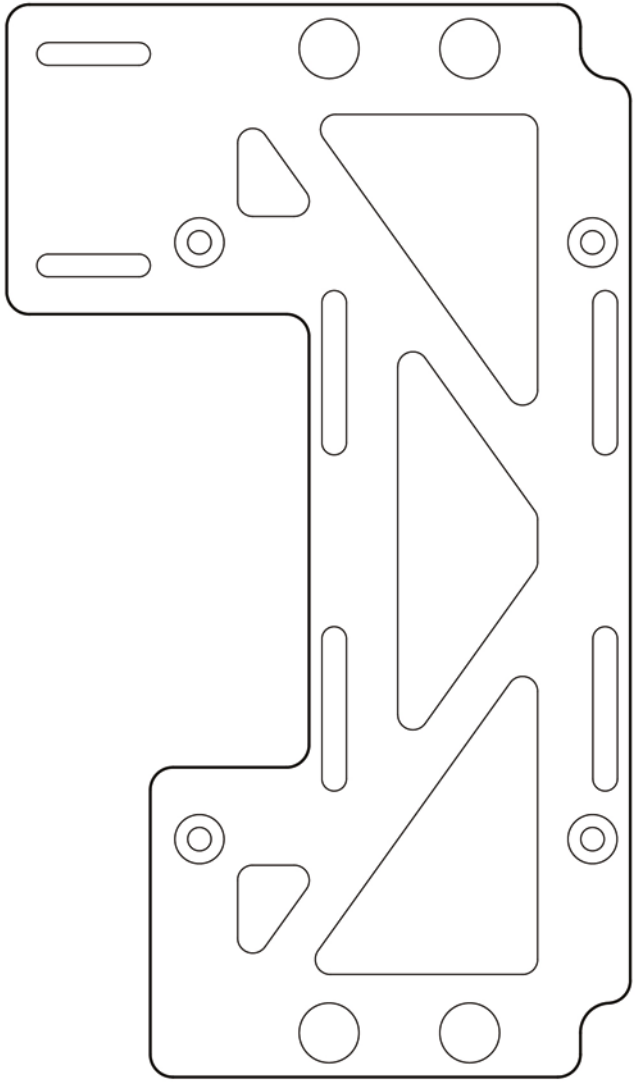


Shackle Mount x 2



Shackle x 2

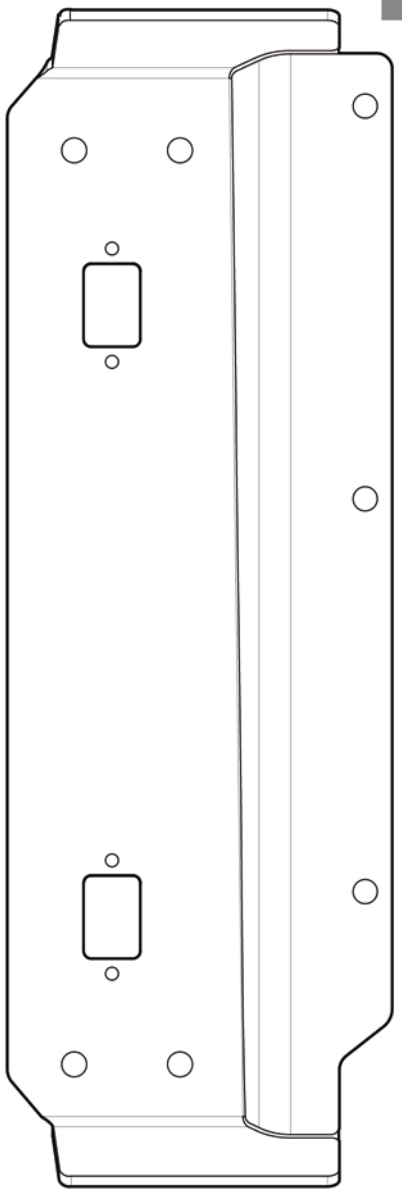
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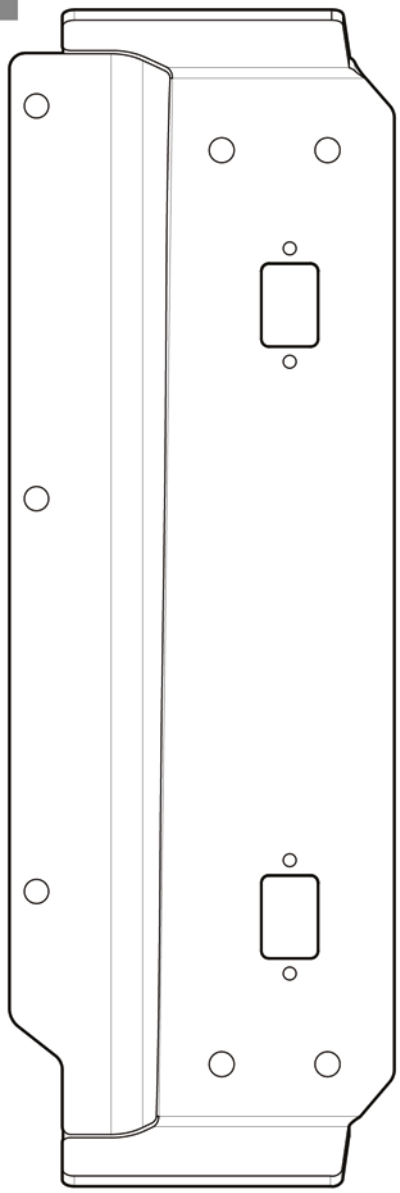
Aluminum Battery & Electronics Mount Plate x 1
#BRLC7213

4

#BRLC7214



Steel Side Slider - Right x 1



Steel Side Slider - Left x 1

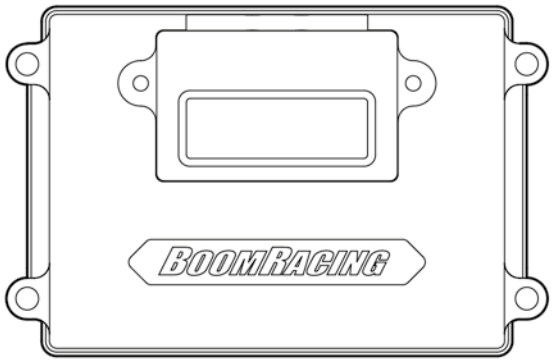
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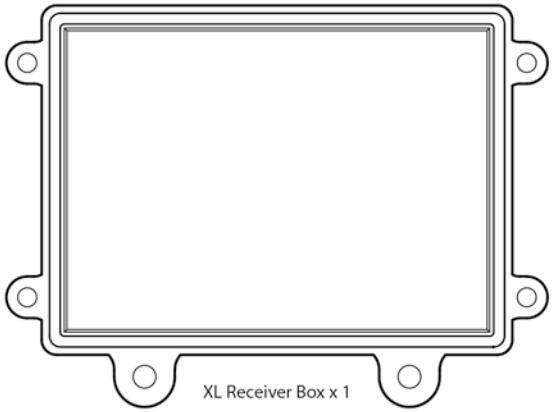
Nylon Rock Light Delete Cover x 4
#BRLC7214A

16

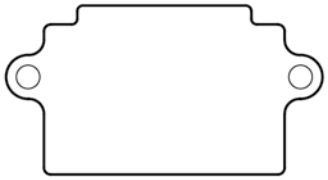
#BRLC7215



XL Receiver Box Lid x 1



XL Receiver Box x 1



Stainless Steel Sealing Plate x 1

#BRLC7033A

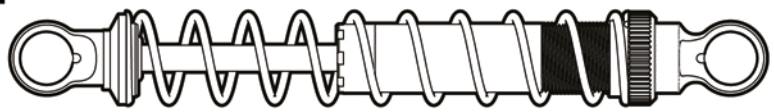


Silicone Port x 1



Silicone Seal x 1

12



KUDU™ 90mm Coilover Scale Shock Absorber x 4
#BRSH0090-SP

10

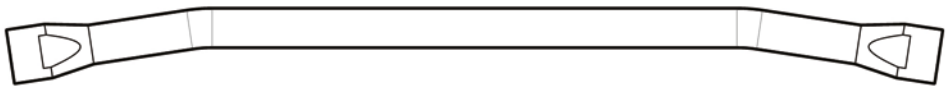


KUDU™ Shock Spring Hard **(Yellow)** 65mm x 4
#BRKSPRING-65Y

BRX01

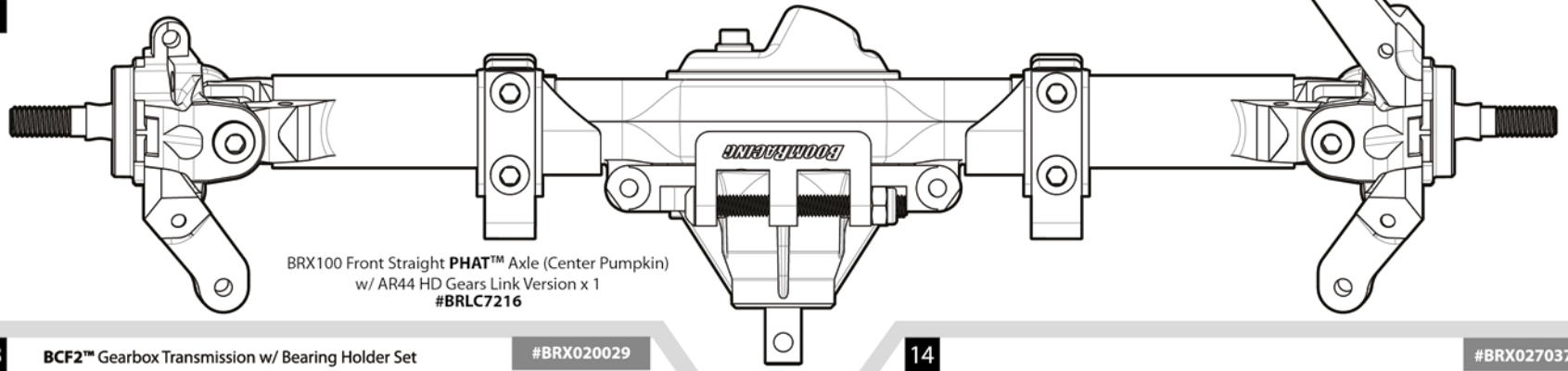
BOOMRACING®
Your Radio Control Car Specialist

11



Stainless Steel Tie Rod x 1
#BRLC7218

2

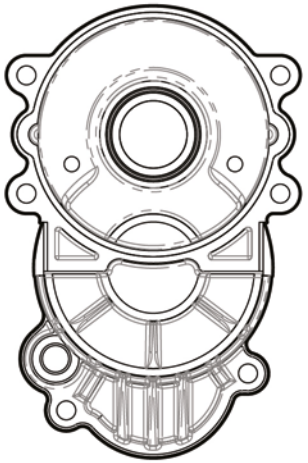


BRX100 Front Straight **PHAT**™ Axle (Center Pumpkin)
w/ AR44 HD Gears Link Version x 1
#BRLC7216

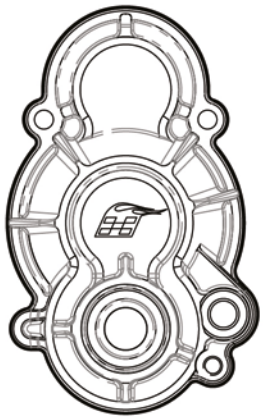
13

BCF2™ Gearbox Transmission w/ Bearing Holder Set

#BRX020029



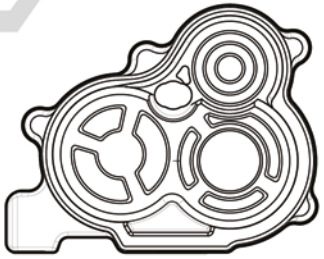
Gearbox Housing A x 1



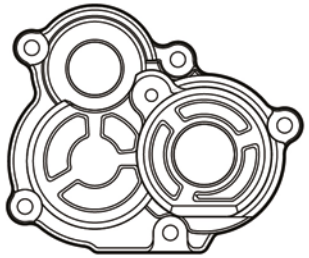
Gearbox Housing B x 1

14

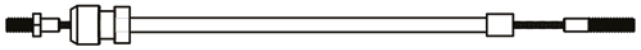
#BRX027037



Aluminum SWD™ Transfer Case Housing - A x 1



Aluminum SWD™ Transfer Case Housing - B x 1

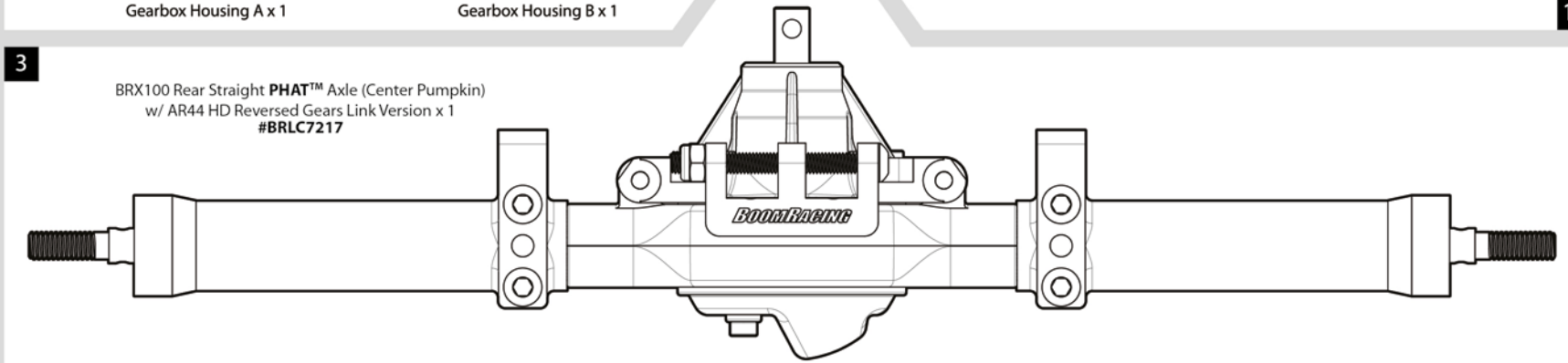


Transfer Case Wire Cable x 1
#BRLC70306

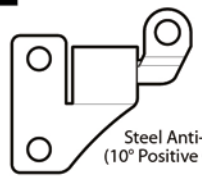
11

3

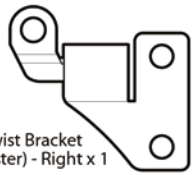
BRX100 Rear Straight **PHAT**™ Axle (Center Pumpkin)
w/ AR44 HD Reversed Gears Link Version x 1
#BRLC7217



2



Steel Anti-Twist Bracket
(10° Positive Caster) - Left x 1



Steel Anti-Twist Bracket
(10° Positive Caster) - Right x 1

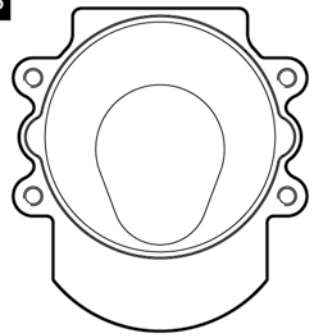
Pre-installed

#BRPT004+10

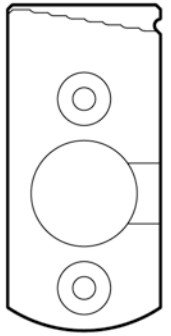


D3x6x1 Spacer x 2

15



Aluminum Gearbox Adapter x 1



Stainless Steel Motor Mount x 1

#BRLC7027

11



Stainless Steel
Panhard Bar x 1
#BRX027033

6



KUDU™ Heavy-Duty 110-135mm Steel CVD Center Drive Shaft x 1
#BRKD003-119

6

KUDU™ Heavy-Duty
84-99mm Steel CVD
Center Drive Shaft x 1
#BRKD003-94



11



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

8 9

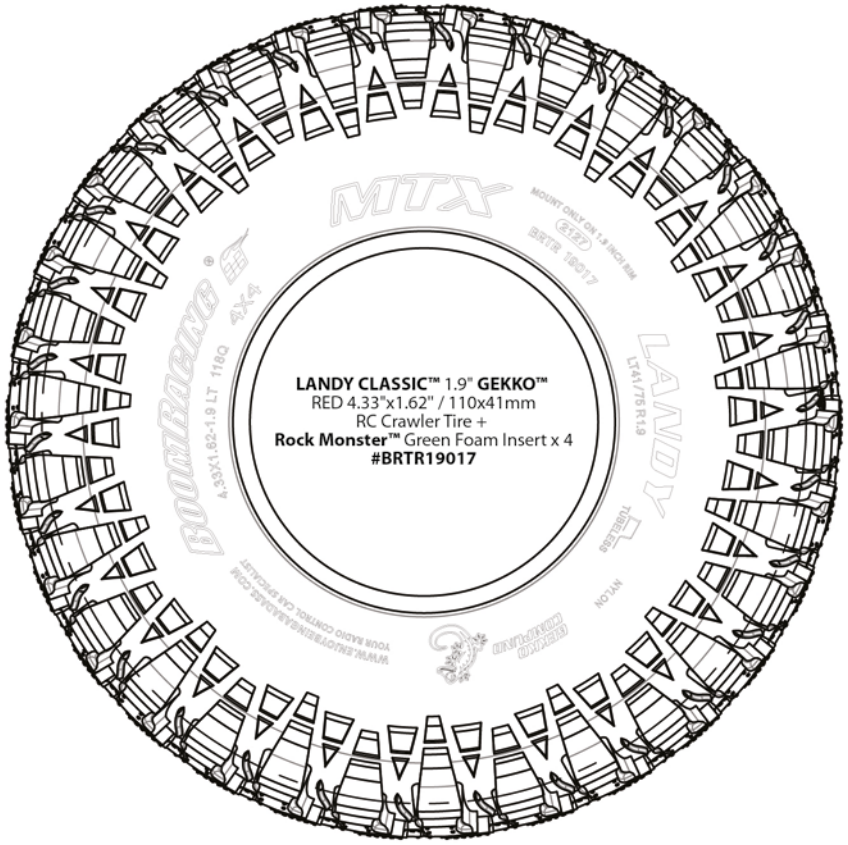
PYTHON™ 125Mini
HV Waterproof
Aluminum Mini Servo
125oz-in / 9kg-cm @ 8.4V x 2
#BRPS125MINI



11



Switch Lever x 1
#BRLC70207



LANDY CLASSIC™ 1.9" **GEKKO™**
RED 4.33"x1.62" / 110x41mm
RC Crawler Tire +
Rock Monster™ Green Foam Insert x 4
#BRTR19017

4 A CHASSIS



M3x8 RS x 14
#BRASBH3008



M2.5x8 CSS x 2
#BRASFH2508



M3x10 RS x 2
#BRASBH3010



M3x6 CSS x 1
#BRASFH3006



M3x12 RS x 10
#BRASBH3012



M3x8 CSS x 4
#BRASFH3008



M3/2.4x12 SS x 2
#BRASST3024/DS



M3x10 CSS x 4
#BRASFH3010



D3x6x5
Tapered Spacer x 4
#BRLC7040



M3x12 CSS x 4
#BRASFH3012

4 B LINKS / SHOCKS



M3x18 CSS x 2
#BRASFH3018



M3x12 RS x 6
#BRASBH3012



M3x16 RS x 4
#BRASBH3016



M3x18 RS x 5
#BRASBH3018



M3x20 RS x 2
#BRASBH3020



M3x30 RS x 4
#BRASBH3030



M4x16 SS x 16
#BRASST4016



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



D4x7x1
Spacer x 5
#BRASSPD471



D4x7x2
Spacer x 5
#BRASSPD427



D3x6x5
Tapered Spacer x 8
#BRLC7040



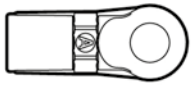
M3 Nut -Nyloc x 7
#BRASNUTM3



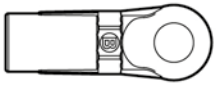
BADASS™ Heavy-Duty
Stainless Steel End Pivot
Balls 5.8x3x7.4mm x 28
#BRW750310



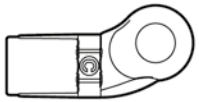
Pivot Ball Retainer x 8
#BRSHJR



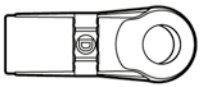
KUDU™ Nylon Rod End
(Straight 18.5mm) x 14
#BRW750306A



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



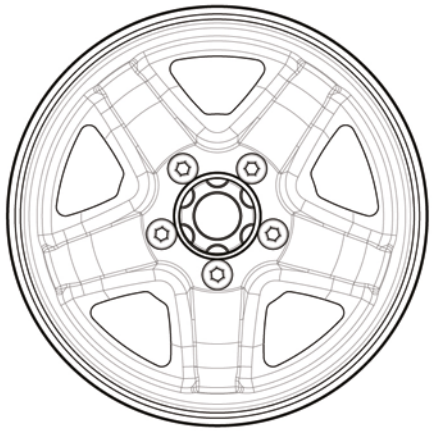
KUDU™ Nylon Rod End
(Sideways 19.5mm) x 1
#BRW750308C



KUDU™ Nylon Rod End
(Upwards 20mm) x 3
#BRW750307D



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



1.9" S200 Yota Steelie Reversible Beadlock Wheels -
Gun Metal w/ **ProBuild™** XT504 V2 hub x 4
#BRW780933GM

BRX01

4 C WHEELS



M3x3 SS x 4
#BRASST3003



D2x10 Pin x 4
#BRASPIN210



M4 Nuts - Nyloc x 4
#BRASNUTM4



8mm Wheel Hex x 4
#BRLC7056

4 D GEARBOX / SWD TRANSFER CASE





M2x5 CSS x 4
#BRASFH2005



M2.5x8 CSS x 1
#BRASFH2508



M1.6x5 SC x 1
#BRASCH1605



M2x8 SC x 5
#BRASCH2008



M2.5x8 SC x 8
#BRASCH2508



M2.5x10 SC x 4
#BRASCH2510



M3x8 SC x 2
#BRASCH3008



M3/2.4x12 SS x 4
#BRASST3024/DS



D2x8 Pin x 1
#BRSSPIN2008



E-Clip x 2
#BRASEC30



D4x7x0.5 Spacer x 1
#BRASSPD4705



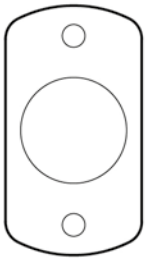
D5x7x0.5 Spacer x 4
#BRASSPD5705



D5x8x0.1 Spacer x 4
#BRASSPD5801



D5x8x0.5 Spacer x 4
#BRASSPD5805



Motor Spacer x 1
#BRLC7032

4 E RECEIVER BOX



M2.5x6 RS x 2
#BRASBH2506

M3x8 RS x 4
#BRASBH3008



M3x10 RS x 2
#BRASBH3010

4 F FRONT BUMPER & ROCK SLIDERS



M2x5 CSS x 4
#BRASFH2005



M2x4 SC x 2
#BRASCH2004



M2.5x4 RS x 2
#BRASBH2504



M2.5x6 RS x 2
#BRASBH2506



M3x6 RS x 12
#BRASBH3006



M3x8 RS x 2
#BRASBH3008



M3x14 RS x 8
#BRASBH3014

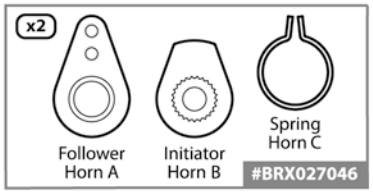


ST1.5x4 RS x 8
#BRASST15X4



M3 Nut -Nyloc x 8
#BRASNUTM3

4 G SERVOS





D2 Ball & Rod End x 2
#BRQ90351



M3 Nut -Nyloc x 2
#BRASNUTM3



M2x7 RS x 2
#BRASBH2007



M2.5x4 RS x 1
#BRASBH2504



M3x6 RS x 5
#BRASBH3006



M3x8 RS x 2
#BRASBH3008



M3x12 RS x 2
#BRASBH3012

M2x8 SC x 2
#BRASCH2008

4 H GEARS, SHAFTS & BEARINGS - BCF2 GEAR BOX

Spur Gear Mount x 1
#BRLC7030

Shifter x 1
#BRLC7045B

Shift Shaft x 1
#BRLC7045C

Input Shaft x 1
#BRLC7044B

High-Efficiency Coupling Shaft x 1
#BRLC7209

Internal Spur Gear 28T x 1
#BRLC7031

Bearing Holder x 1
#BRX020029

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

4 J GEARS, SHAFTS & BEARINGS - SWD TRANSFER CASE

#BRX027043

20T Spur Gear x 1
#BRLC70210

29T Spur Gear x 2
#BRLC70210

D4x10x4
Ball Bearing x 1
#BBZMR1042RS

D5x10x4 Ball Bearing x 1
#BBZMR1052RS

Guiding Shaft x1
#BRLC7207-P

Rear Output Shaft x1
#BRLC7208

Shifter Guide
Shaft x 1

Catcher x 1

Shift Fork x 1

D5x14x5 Ball Bearing x 4
#BBZ6052RS

Front Output Shaft x1
#BRLC70301-B

4

2-Speed Gear Unit x 1
#BRLC7044E

4 I BODY MOUNTS

M2 Nut x 4
#BRASNUTM2

M2x5 SC x 4
#BRASCH2005

M2.5x6 RS x 2
#BRASBH2506

ST2.5x6 RS x 2
#BRASST25X6

ST3x12 RS x 2
#BRASST3X12

Cross Bar (6mm) x 2
#BRLC7065C

4

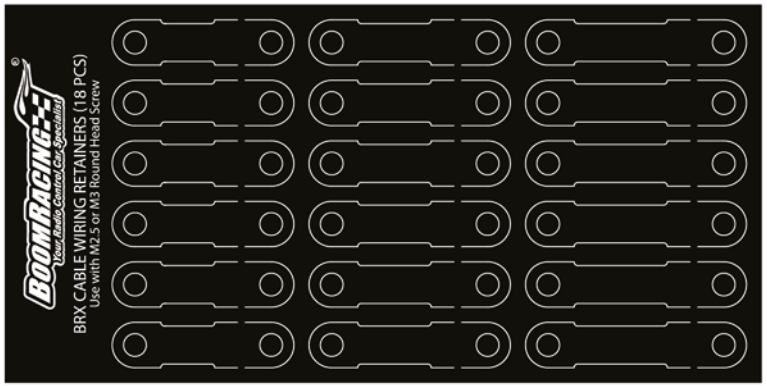


30cm JR Servo Extension x 2
#BRLC7059

4

10 x 1.5cm Double Side Tape x 1

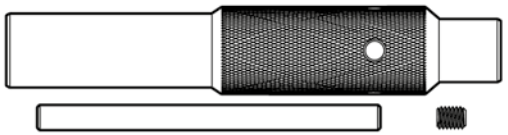
4



Cable Wiring Retainers
#BRT10037

4

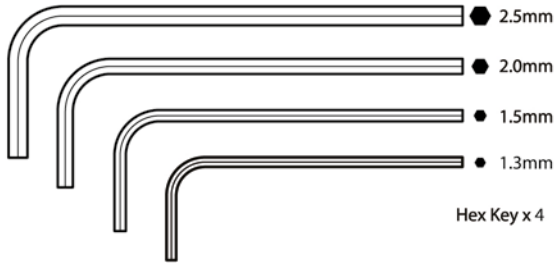
#BRT10028



Socket 5.5mm/7mm



Wrench 5.5mm/5.0mm



Hex Key x 4

4



Black Graphite Grease 10g x 1
#BRGRS1055-10



Silicone Grease 10g x 1
#BRGRS10274-10

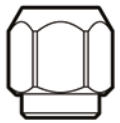


30WT Shock Oil 15ml x 1
(Available separately in 60ml)
#BRSHK030



242 Thread Lock 2g x 1
(Available separately in 10g)
#BRGRS242

#BRT10053

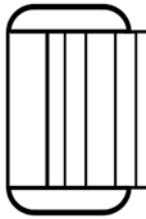


Pivot Ball Tool x 1



M3x18 RS x 1
#BRASBH3018

4



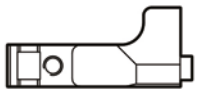
Battery Strap x 1
#BRLC7221



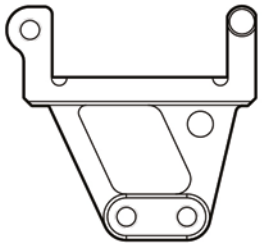
1 - CHASSIS RAIL

Parts Needed:

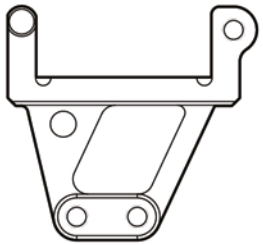
#BRLC70100



Cable Retainer

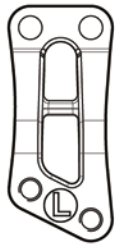


Mini Servo Mount x 1

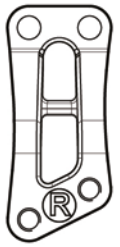


Mini Servo Mount x 1

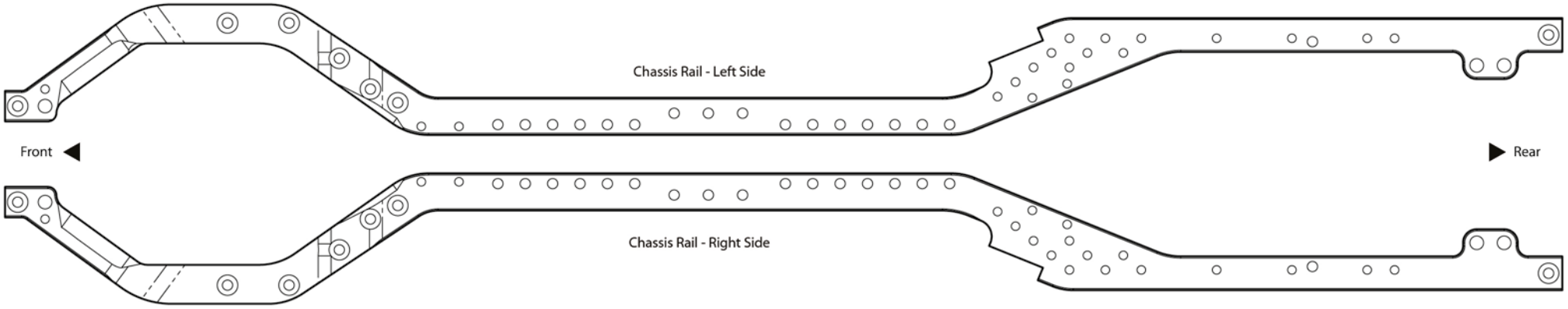
#BRX020110



Side Gearbox Mount - Left x 1



Side Gearbox Mount - Right x 1



#BRLC7011

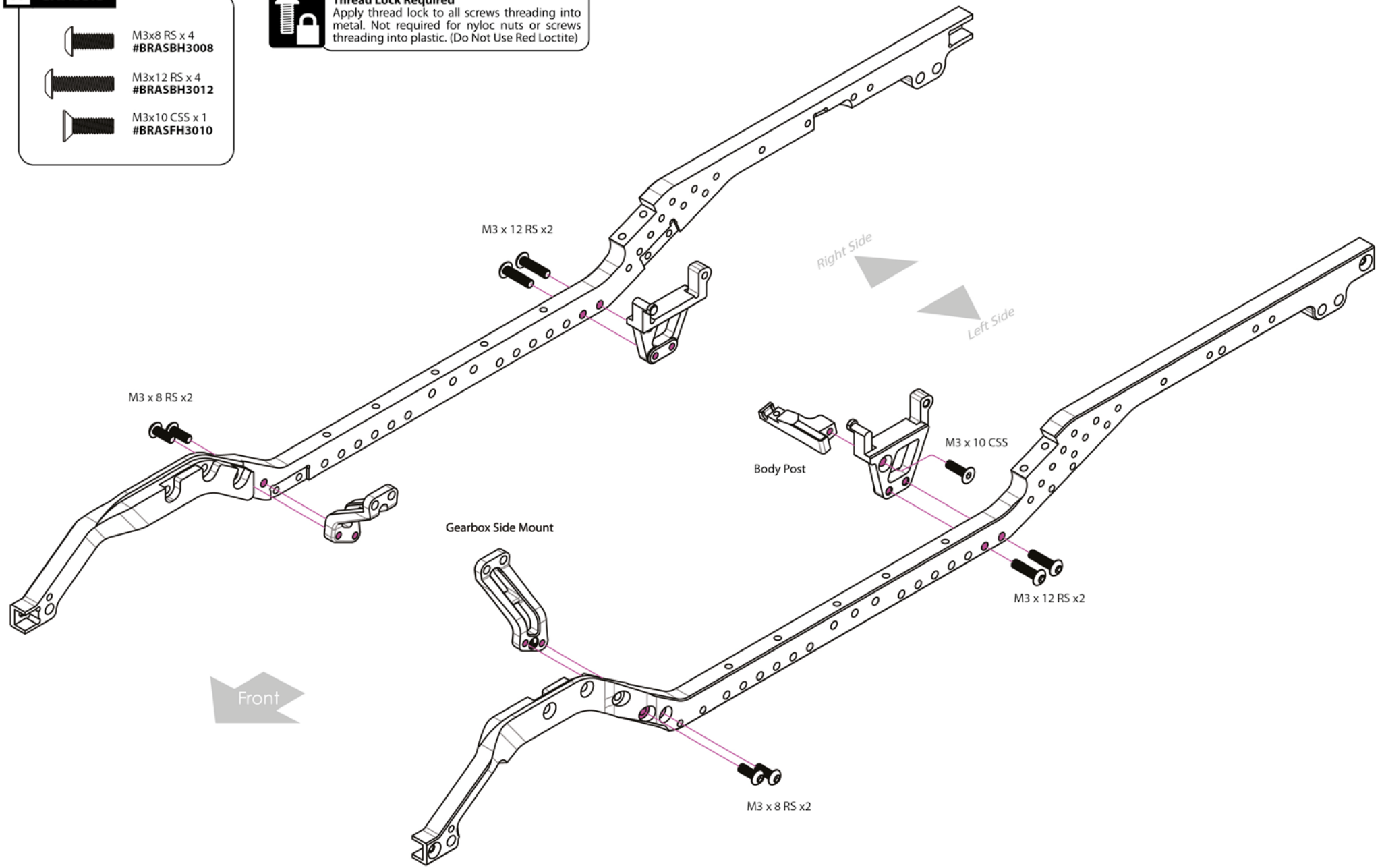
A CHASSIS

M3x8 RS x 4
#BRASBH3008

M3x12 RS x 4
#BRASBH3012

M3x10 CSS x 1
#BRASFH3010

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)

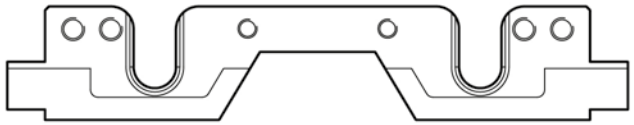


CHASSIS RAIL

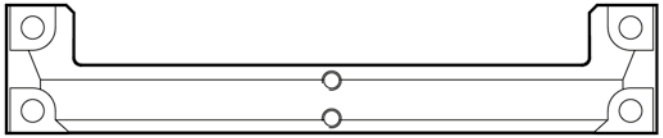
CHASSIS RAIL

2 - CHASSIS

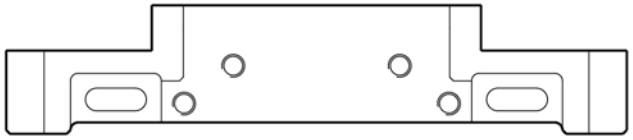
Parts Needed:



Front Crossmember x 1
#BRLC7015



Middle Crossmember x 1
#BRLC7014



Rear Crossmember x 1
#BRLC7012

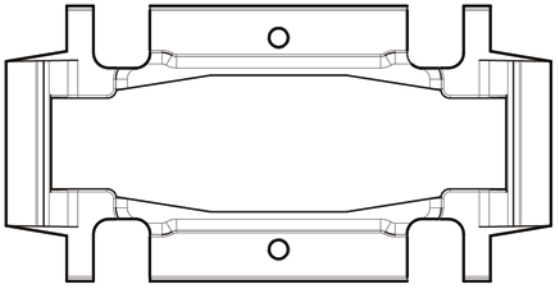


Steering Servo Mount x 1
#BRLC7016

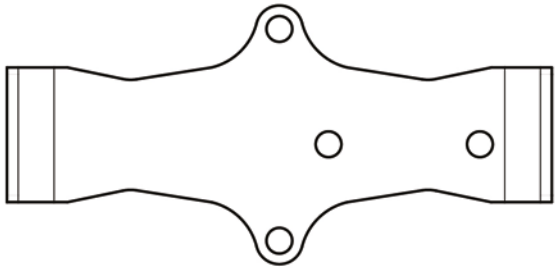


Body Hinge Mount x 1
#BRLC7013

#BRX020020



Center Link Mount x 1



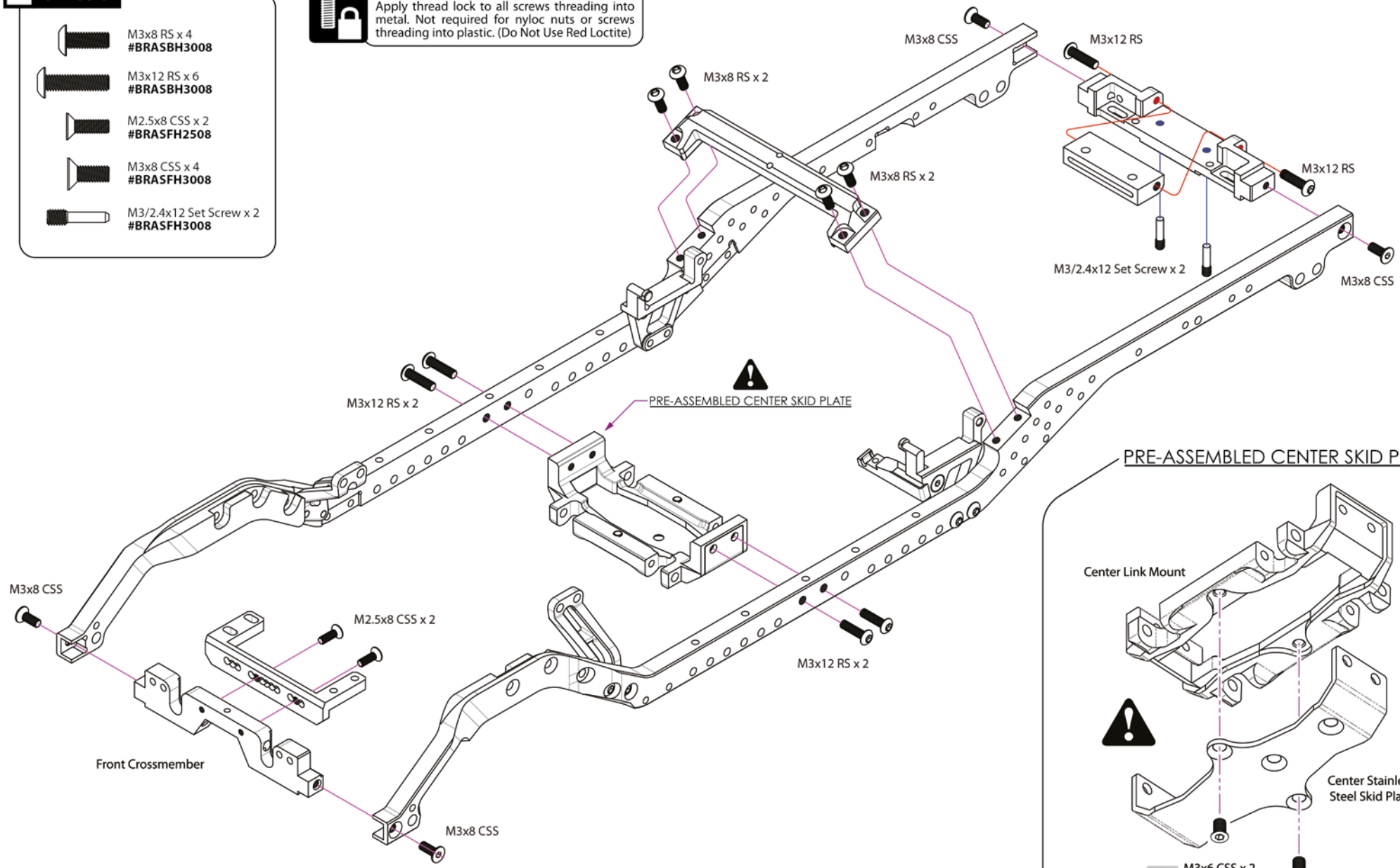
Center Stainless Steel Skid Plate x 1

CHASSIS

A CHASSIS

- M3x8 RS x 4 **#BRASBH3008**
- M3x12 RS x 6 **#BRASBH3008**
- M2.5x8 CSS x 2 **#BRASFH2508**
- M3x8 CSS x 4 **#BRASFH3008**
- M3/2.4x12 Set Screw x 2 **#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)



PRE-ASSEMBLED CENTER SKID PLATE

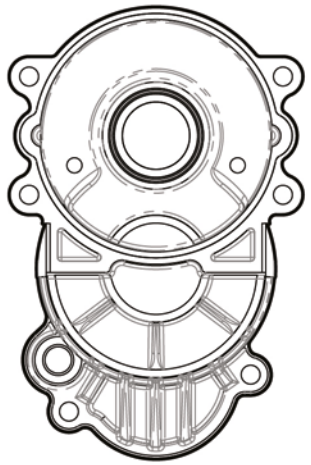
M3x6 CSS x 2 **#BRASFH3006LP**
(Pre-Assembled on Center Link Mount)

CHASSIS

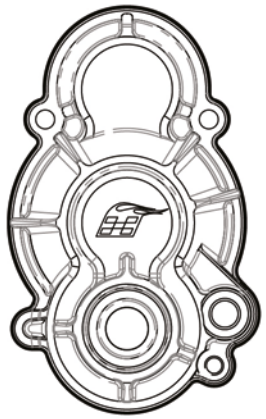
3 - GEARBOX

Parts Needed:

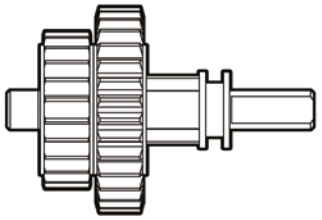
BCF2™ Gearbox Housing (2pcs) **#BRX020029**



Gearbox Housing A

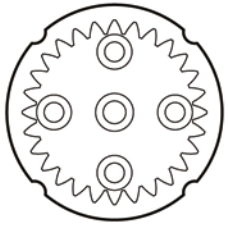


Gearbox Housing B



2-Speed Gear Unit x 1
#BRLC7044C

H GEARS SHAFTS & BEARINGS - BCF2 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



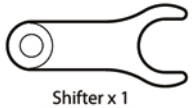
D7x11x3 Ball Bearing x 1
#BBZMR1172RS



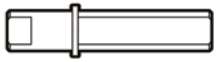
Bearing Holder x 1
#BRX020029



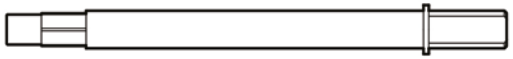
Shift Shaft x 1
#BRLC7045C



Shifter x 1
#BRLC7045B



Input Shaft x 1
#BRLC7044B



High-Efficiency Coupling Shaft x 1
#BRLC7209

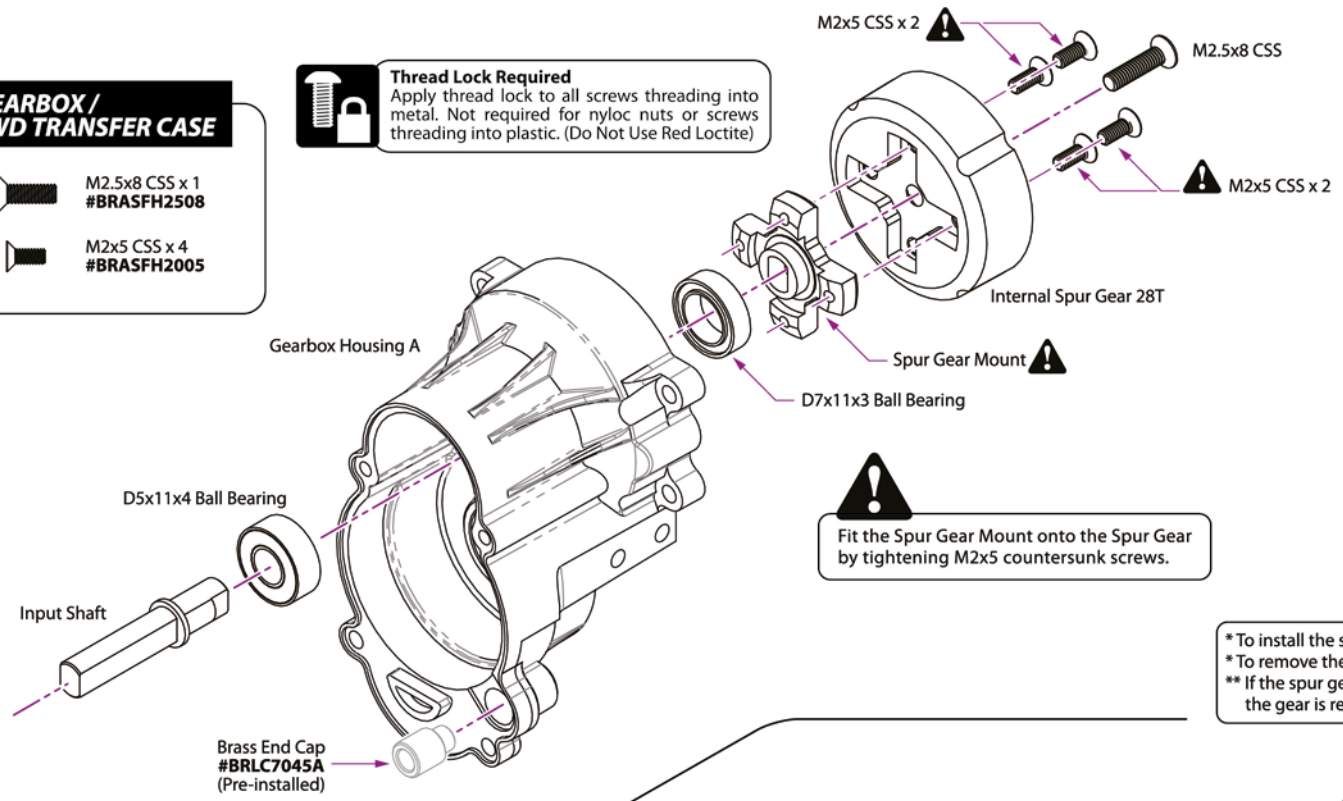
GEARBOX

D GEARBOX / SWD TRANSFER CASE

M2.5x8 CSS x 1
#BRASFH2508

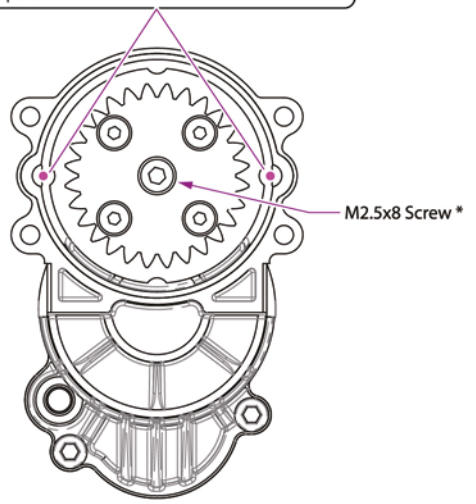
M2.5x5 CSS x 4
#BRASFH2005

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)

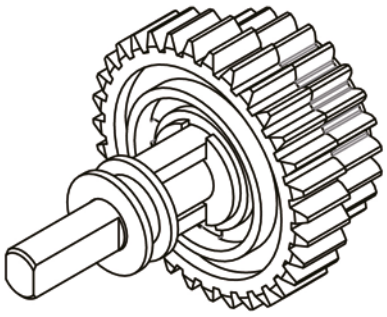


Fit the Spur Gear Mount onto the Spur Gear by tightening M2x5 countersunk screws.

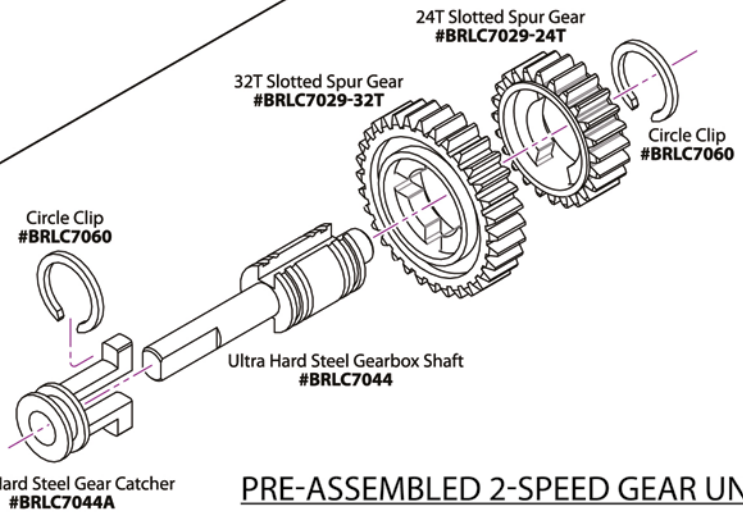
To install or remove the spur gear from the gearbox, align the spur gear as pictured and temporarily insert two M3 screws** to act as stoppers.



* 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.



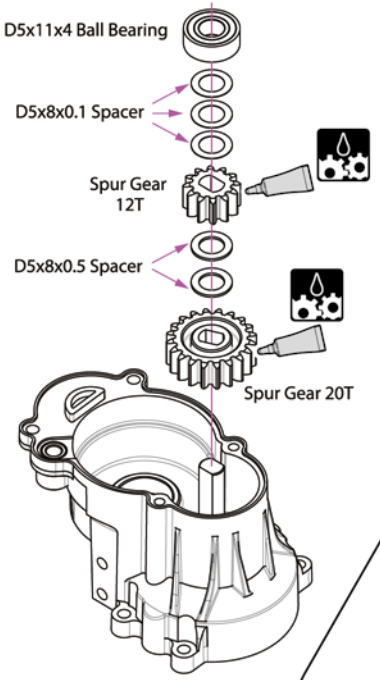
2-Speed Gear Unit

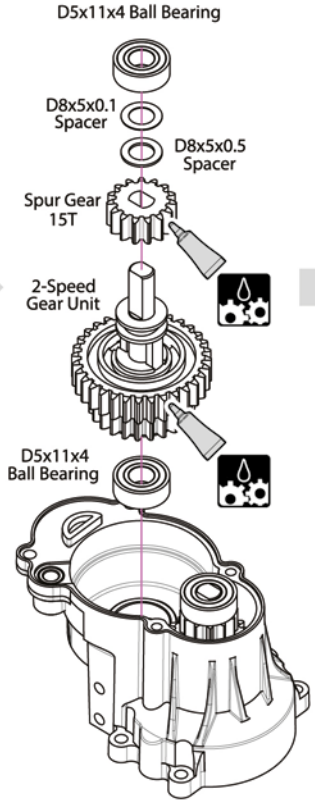


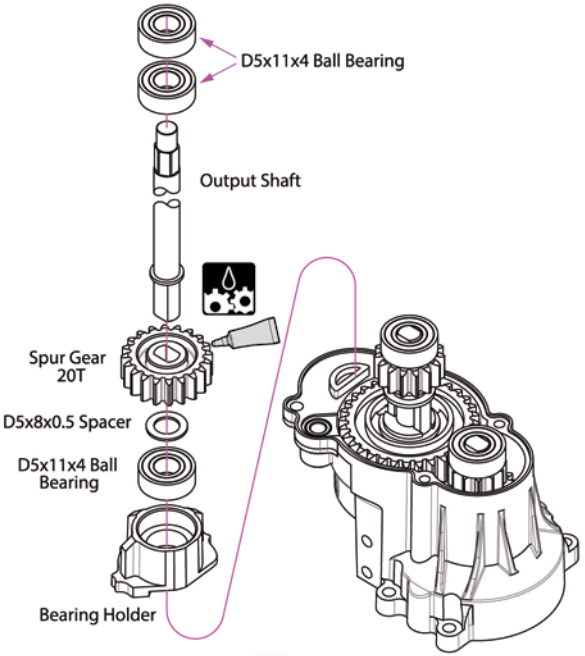
PRE-ASSEMBLED 2-SPEED GEAR UNIT

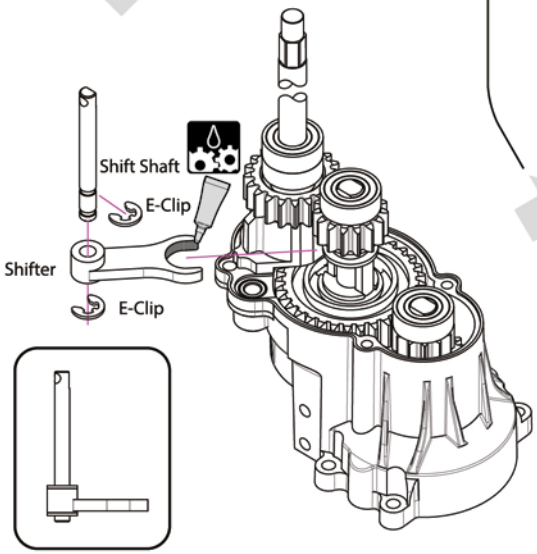
D GEARBOX / SWD TRANSFER CASE

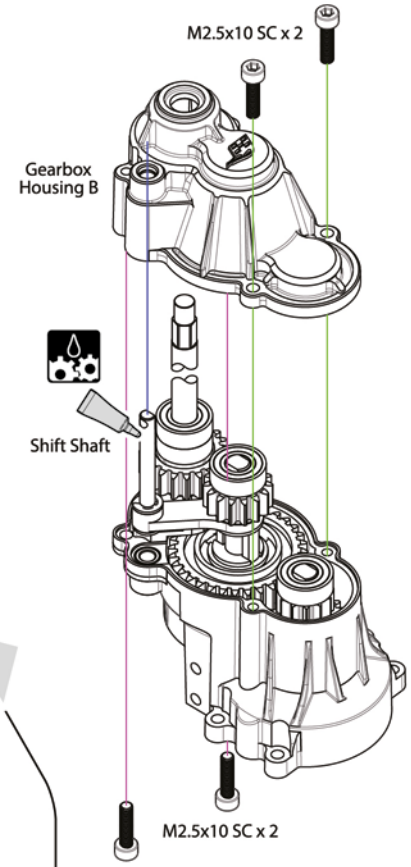
- D5x8x0.5 Spacer x 4 **#BRASSPD5805**
- M3 E-Clip x 2 **#BRASEC30**
- D5x8x0.1 Spacer x 4 **#BRASSPD5801**
- M2.5x10 SC x 4 **#BRASCH2510**











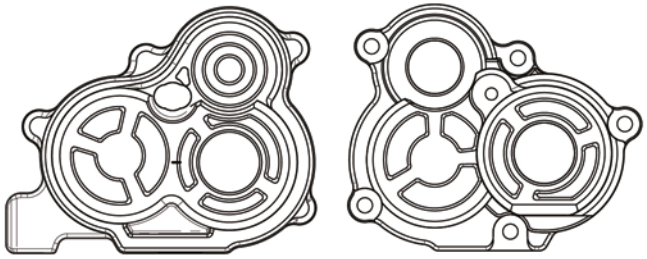


Black Graphite Grease 10g x 1
#BRGRS1055-10

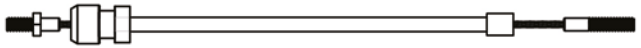
GEARBOX

4 - TRANSFER CASE

Parts Needed:

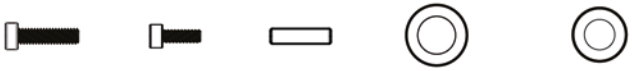


Aluminum SWD™ Transfer Case Housing x 1
#BRX027037



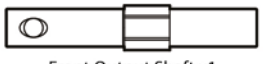
Transfer Case Wire Cable x 1
#BRLC70306

D GEARBOX / SWD TRANSFER CASE



M2x8 SC x 5 **#BRASFCH2008**
M1.6x5 SC x 1 **#BRASCH1605**
D2x8 Pin x 1 **#BRASPIN208**
D5x7x0.5 Spacer x 4 **#BRASSPD5705**
D4x7x0.5 Spacer x 1 **#BRASSPD4705**

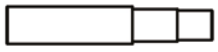
J GEARS, SHAFTS & BEARINGS - SWD TRANSFER CASE



Front Output Shaft x1
#BRLC70301-B



Rear Output Shaft x1
#BRLC7208



Guiding Shaft x1
#BRLC7207-P



20T Spur Gear x1 **#BRLC70210**
29T Spur Gear x2 **#BRLC70210**



Catcher x 1



Shift Fork x 1



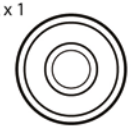
Shifter Guide Shaft x 1



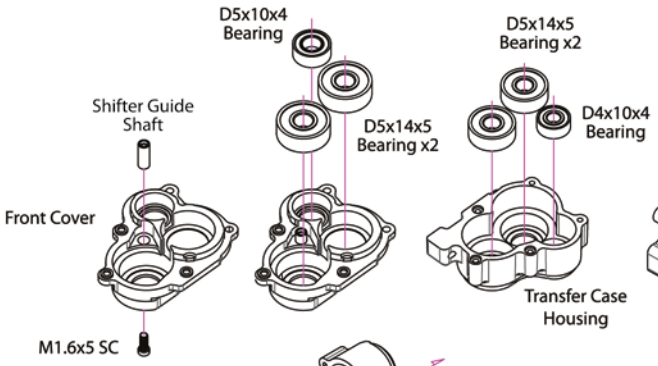
D4x10x4 Ball Bearing x 1
#BBZMR1042RS

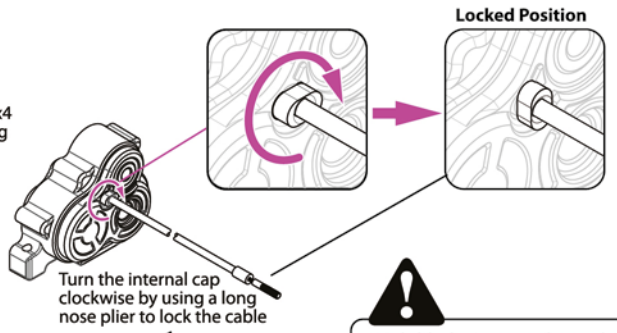


D5x10x4 Ball Bearing x 1
#BBZMR1052RS

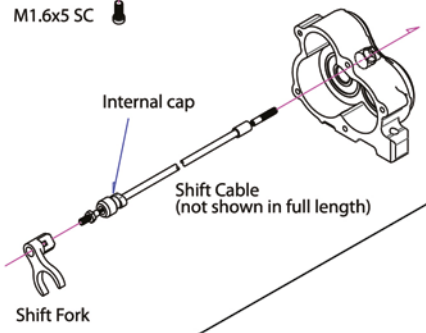


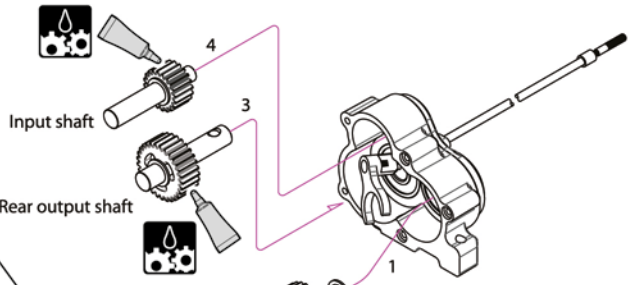
D5x14x5 Ball Bearing x 4
#BBZ6052RS



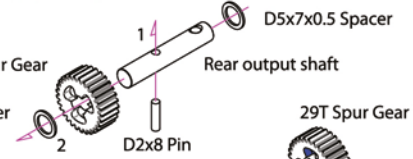


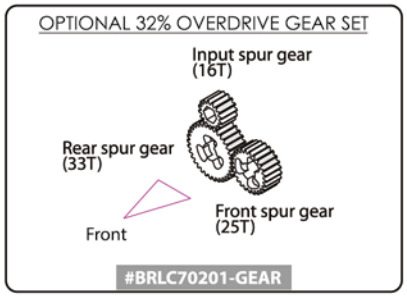
Apply black grease on the teeth and both sides of the input gear to avoid spacers misallgned when connecting to the gearbox.

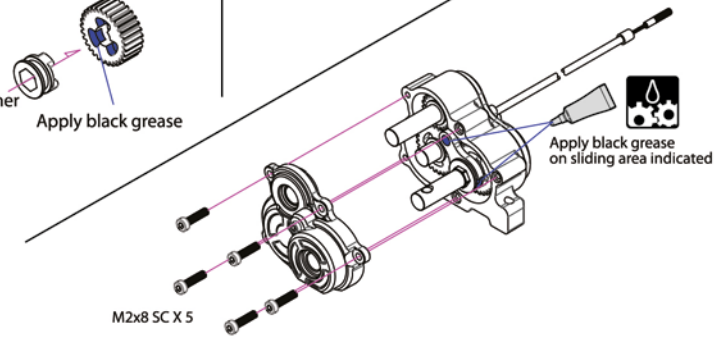










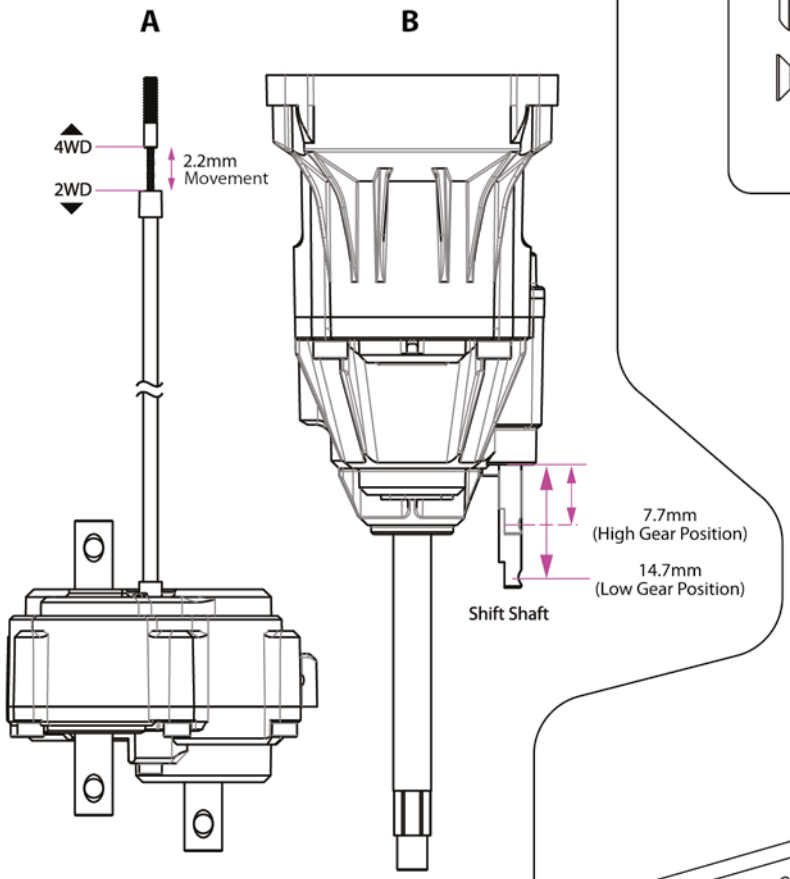


TRANSFER CASE

5 - DRIVETRAIN

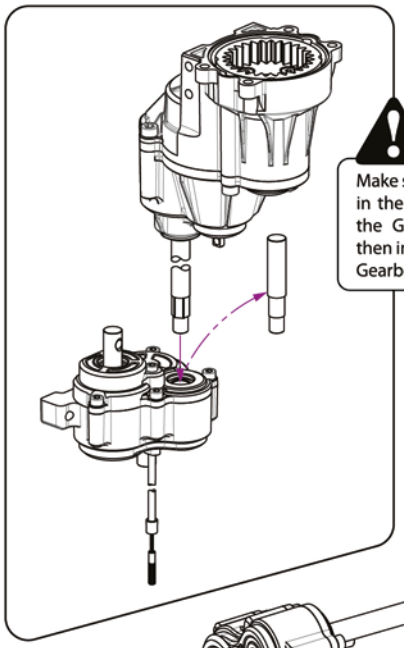
Parts Needed:

DIAGRAM 5.1

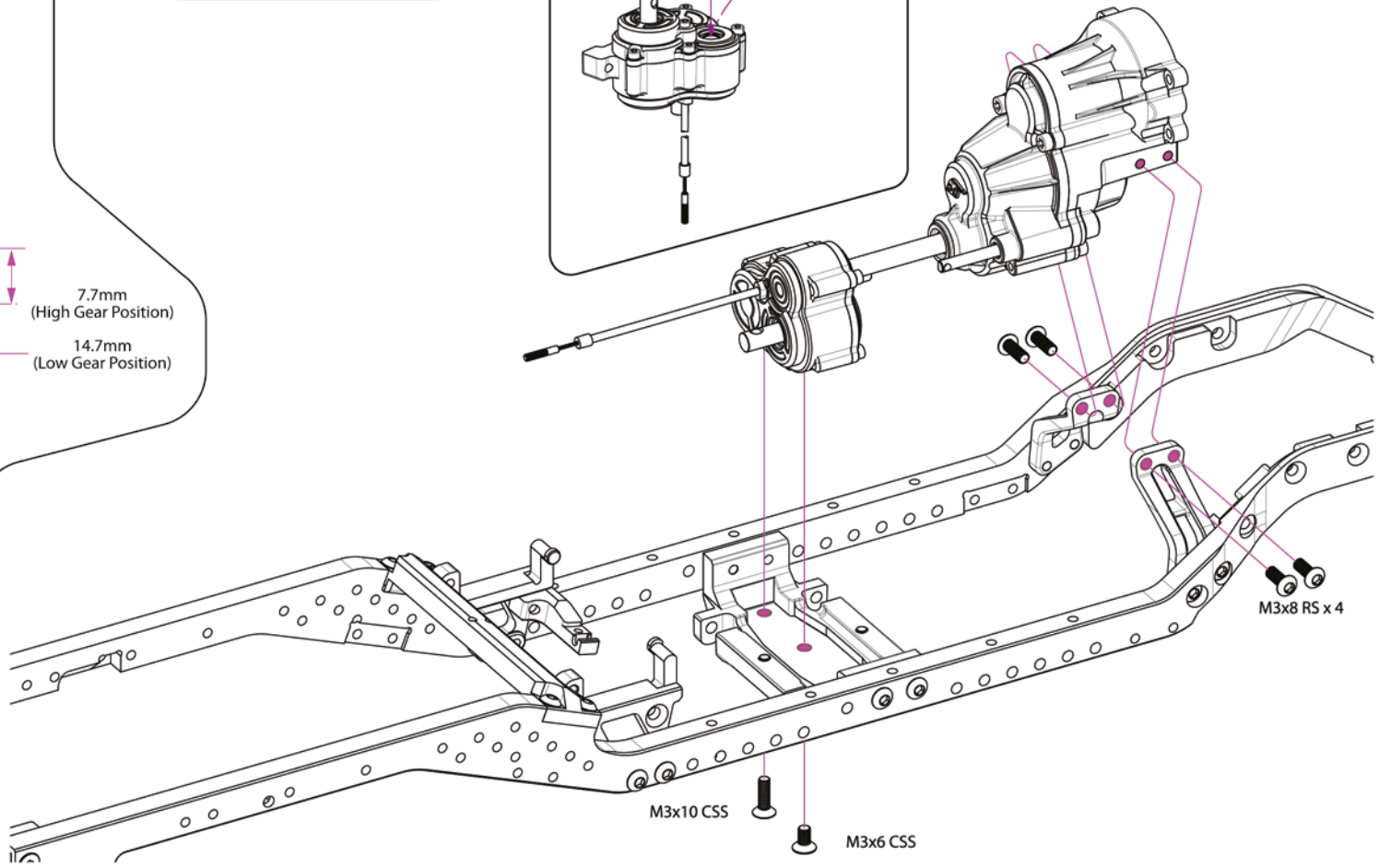


A CHASSIS

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



Make sure the Transfer Case is kept in the upwards position. Remove the Guiding Shaft carefully and then insert the output shaft on the Gearbox into the Transfer Case.

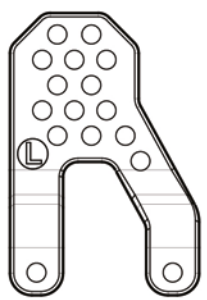


DRIVETRAIN

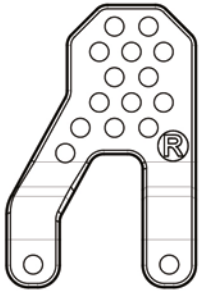
6 - SHOCK TOWERS

Parts Needed:

#BRLC70218



Front Offset Shock Tower - Left x 1



Front Offset Shock Tower - Right x 1

A CHASSIS

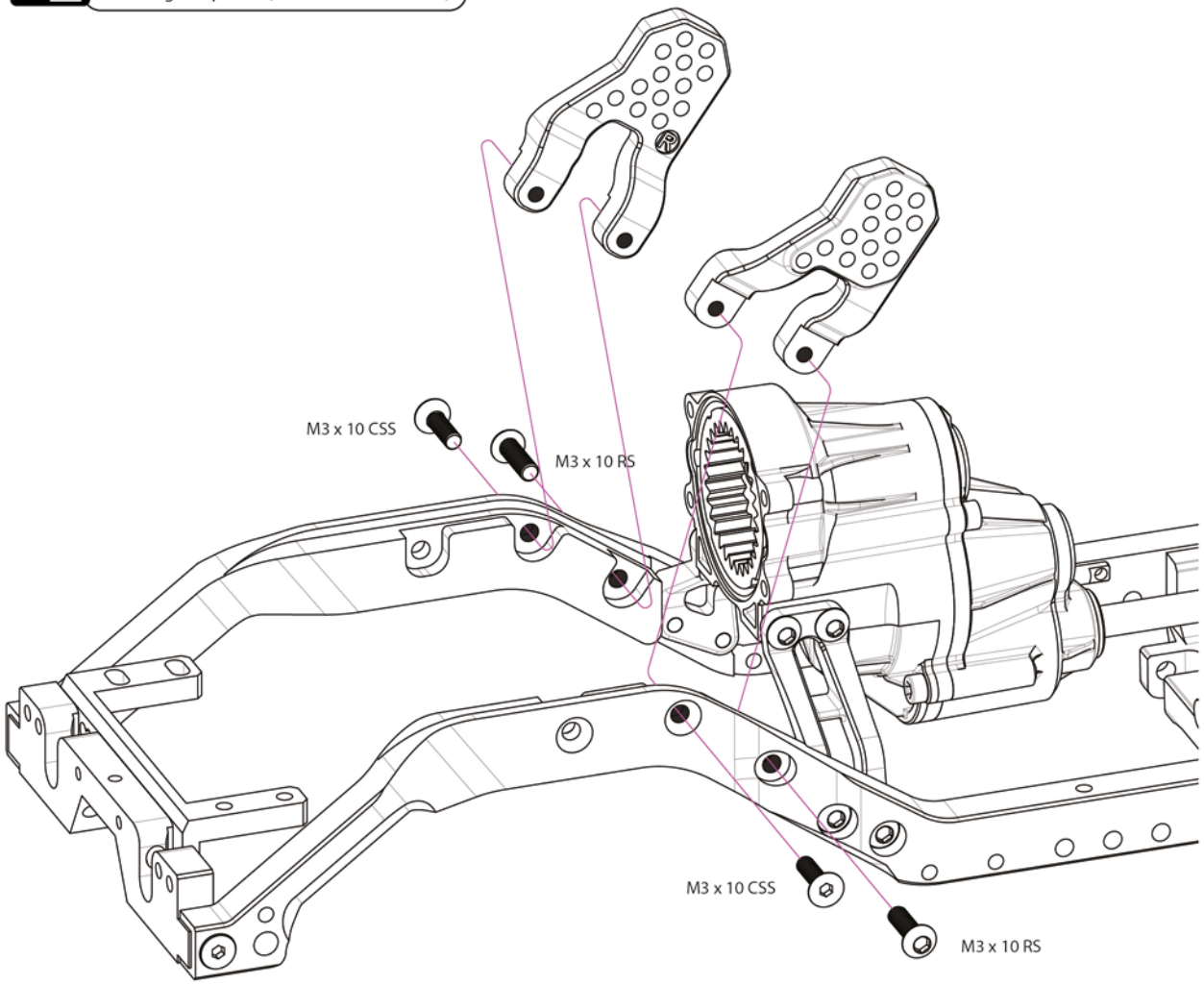


M3x10 RS x 2
#BRASBH3010



M3x10 CSS x 2
#BRASFH3010

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)



SHOCK TOWERS

7 - LINKS

Parts Needed:



Panhard Bar x 1
#BRX027033

B LINKS / SHOCKS



M4x16 SS x 14
#BRASST4016



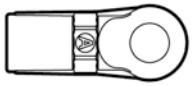
D4x7x2
Spacer x 3
#BRASSPD427



BADASS™
Stainless Steel Pivot Ball x 16
#BRW750310



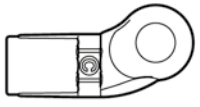
D4x7x1
Spacer x 5
#BRASSPD471



KUDU™
Nylon Rod End
(Straight 18.5mm) x 12
#BRW750306A

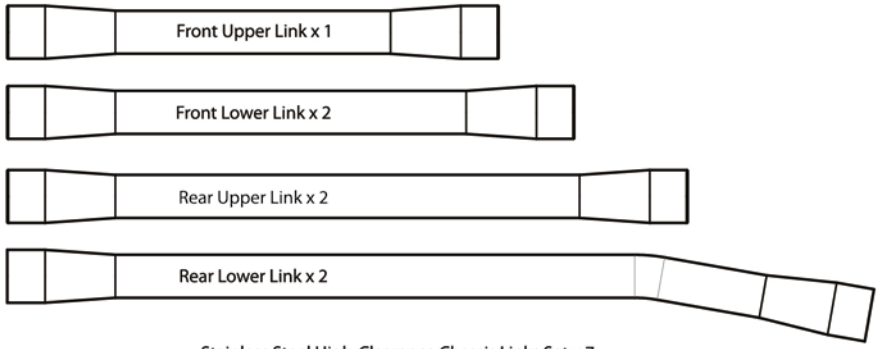


KUDU™
Nylon Rod End
(Upwards 20mm) x 3
#BRW750307D



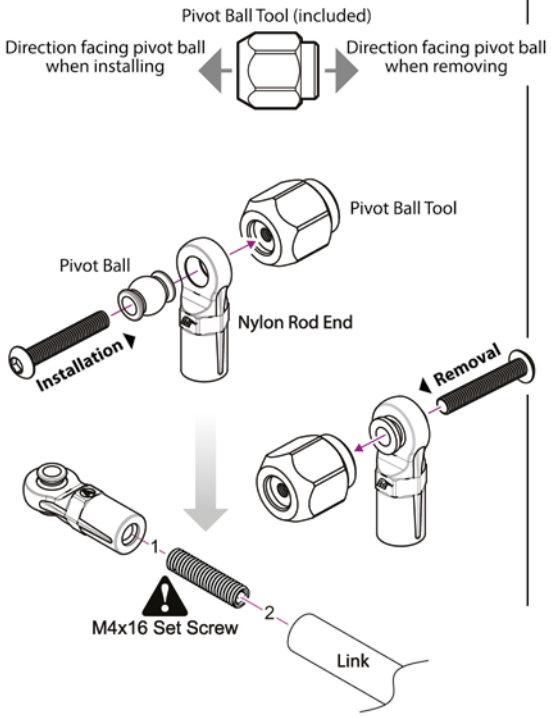
KUDU™
Nylon Rod End
(Sideways 19.5mm) x 1
#BRW750308C

#BRLC7219



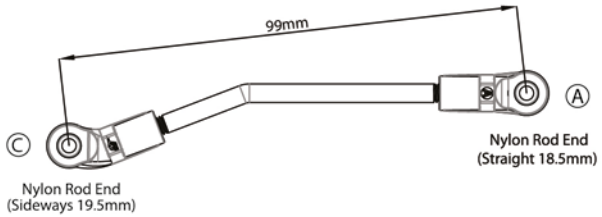
Stainless Steel High-Clearance Chassis Links Set x 7

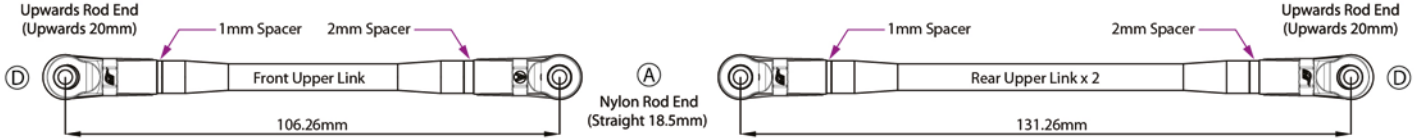
ROD END & PIVOT BALL INSTALLATION

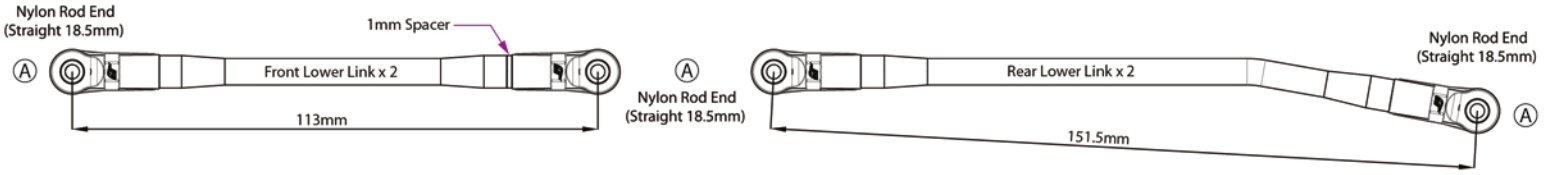


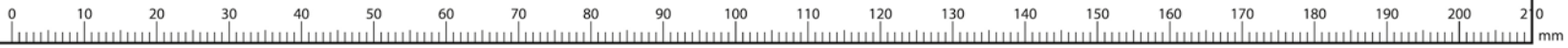
- Install the set screw into the rod end before inserting into the link.
- Tip: Use a 2.0 Hex Driver to torque the set screw into the rod end.

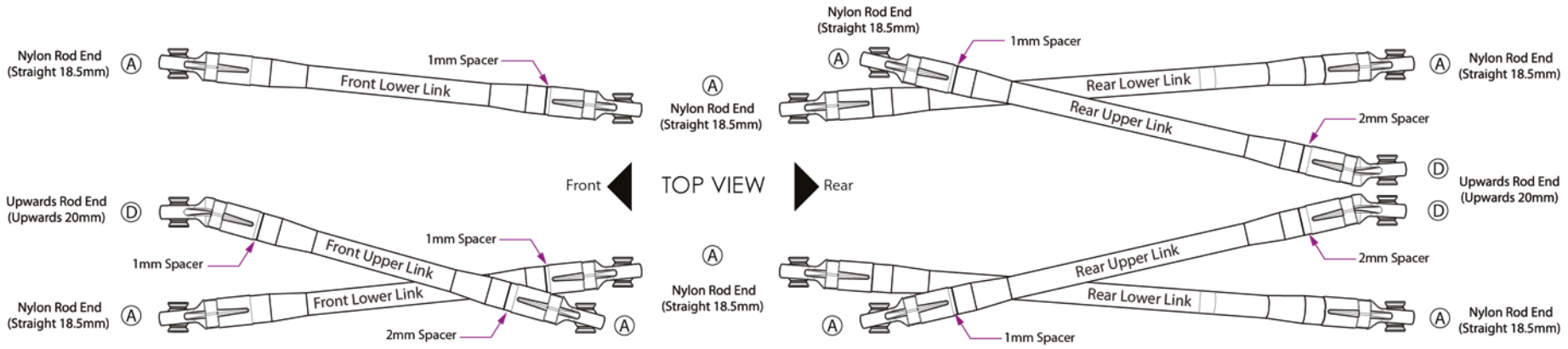
PANHARD BAR











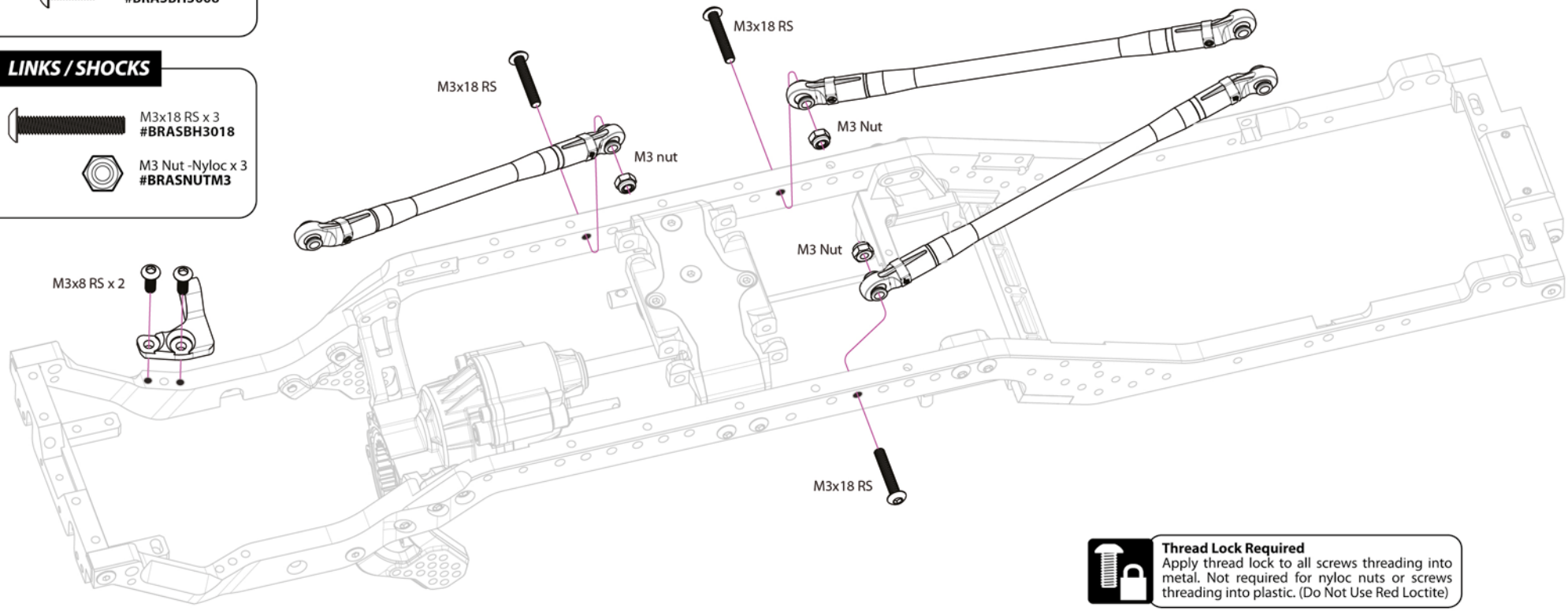
A CHASSIS

M3x8 RS x 2
#BRASBH3008

B LINKS / SHOCKS

M3x18 RS x 3
#BRASBH3018

M3 Nut -Nyloc x 3
#BRASNUTM3



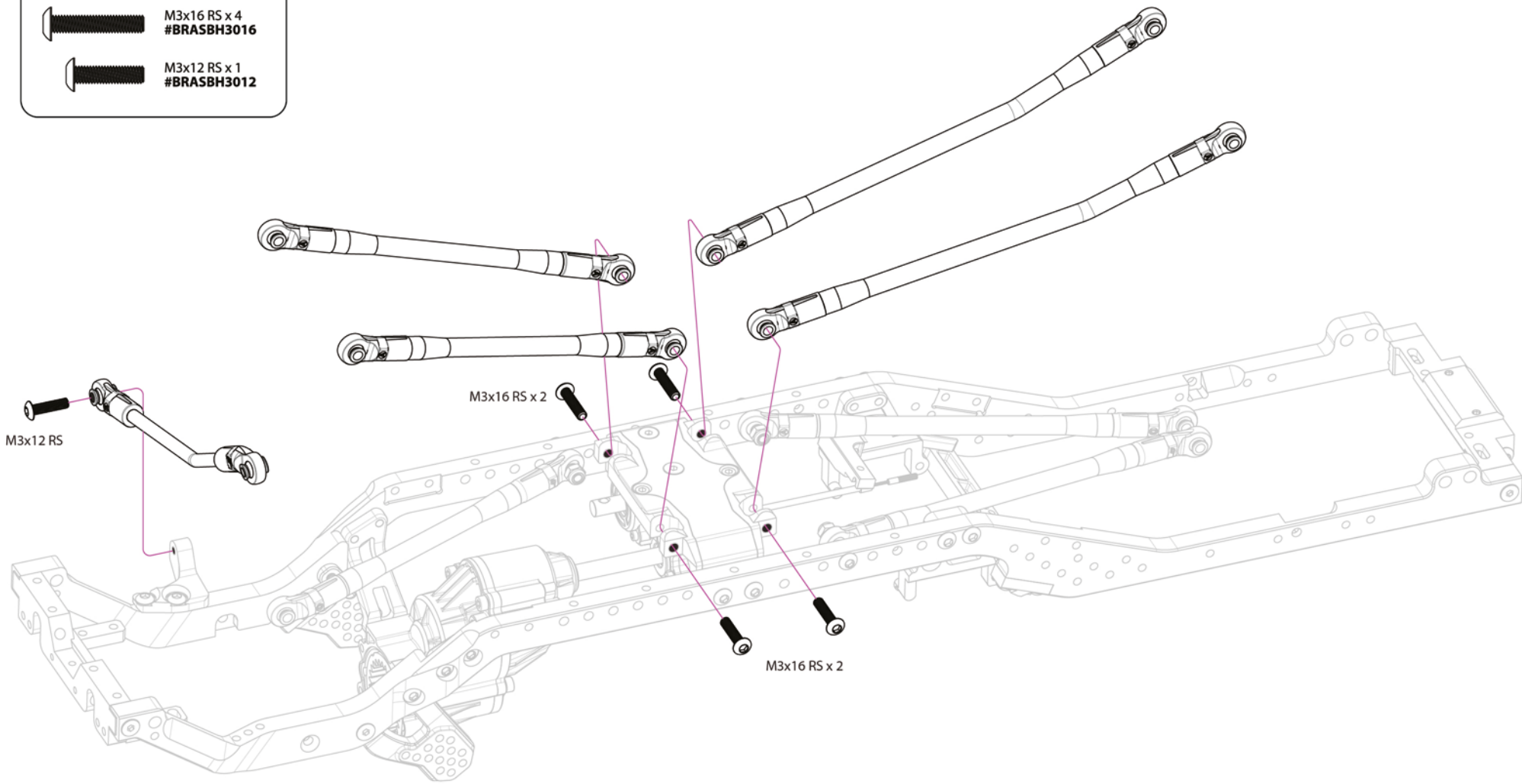
Thread Lock Required
Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

LINKS

BOOMRACING®
Your Radio Control Car Specialist

B LINKS / SHOCKS

- M3x16 RS x 4 **#BRASBH3016**
- M3x12 RS x 1 **#BRASBH3012**



LINKS

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 mm

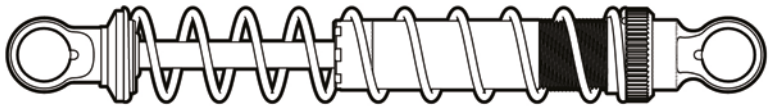
Parts Needed:



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



Silicone Grease 10g x 1
#BRGRS10274-10



KUDU™ 90mm Medium ***(Green)*** Coilover Scale Shock Absorber x 4
#BRSH0090-SP

B LINKS / SHOCKS

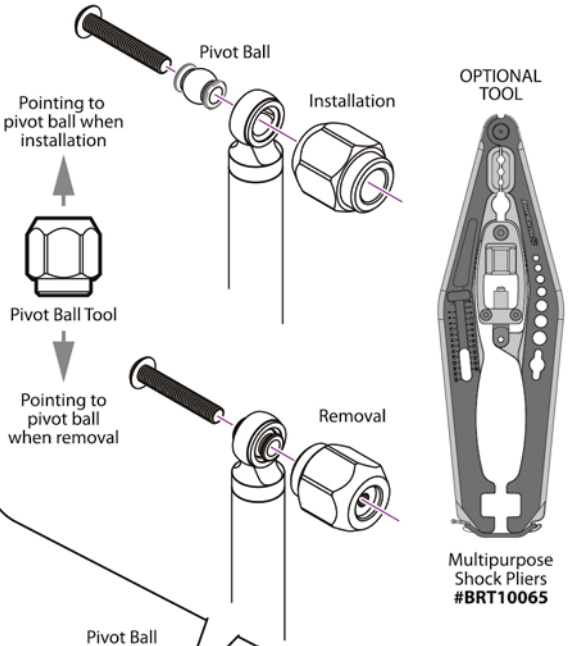


Pivot Ball Retainer x 8
#BRSHJR



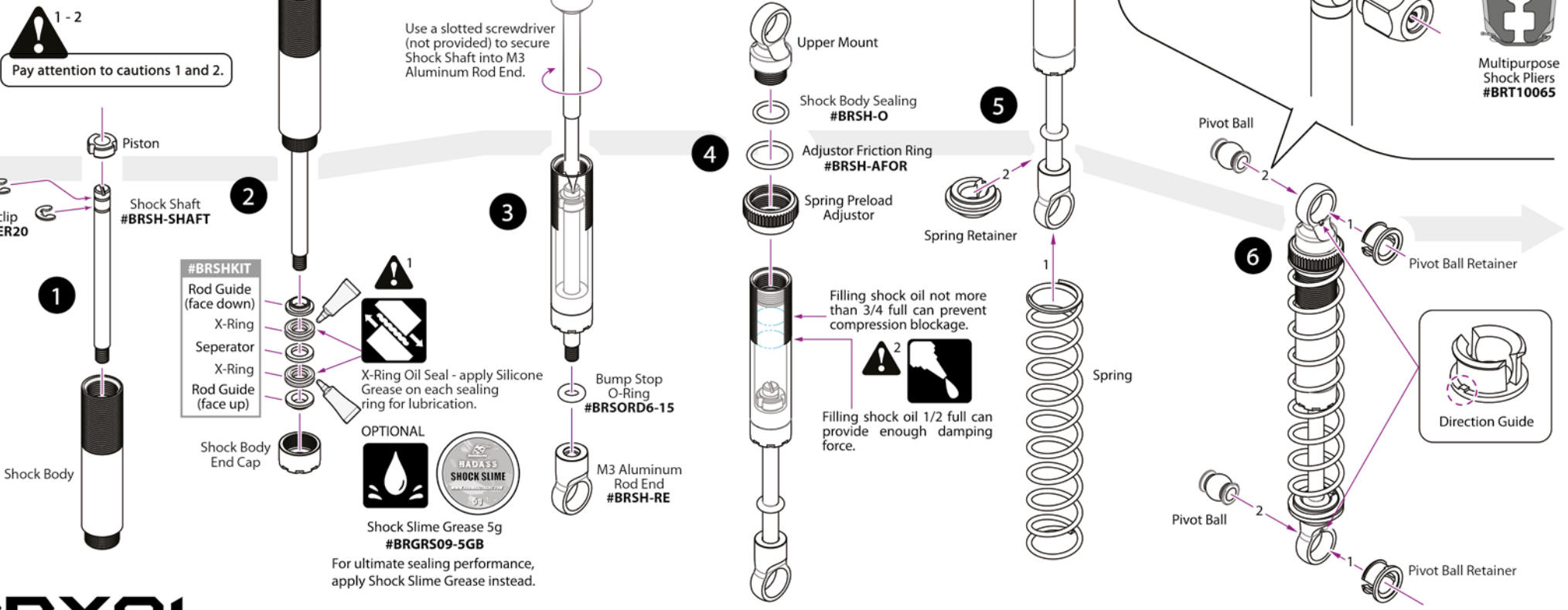
BADASS™ Heavy-Duty Stainless Steel
End Pivot Balls 5.8x3x7.4mm x 8
#BRW750310

PIVOT BALL INSTALLATION & REMOVAL



Multipurpose Shock Pliers
#BRT10065

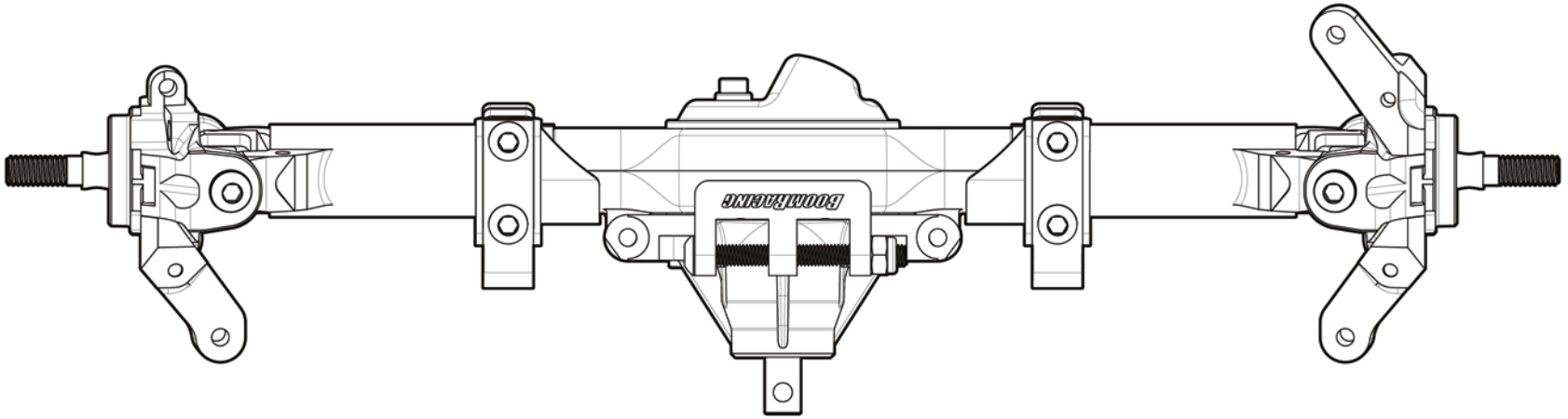
SHOCKS INSTALLATION & SETUP



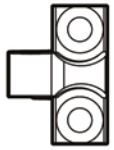
SHOCKS

9 - AXLES & SHOCKS

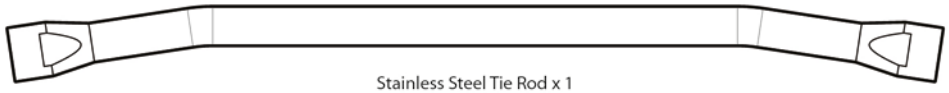
Parts Needed:



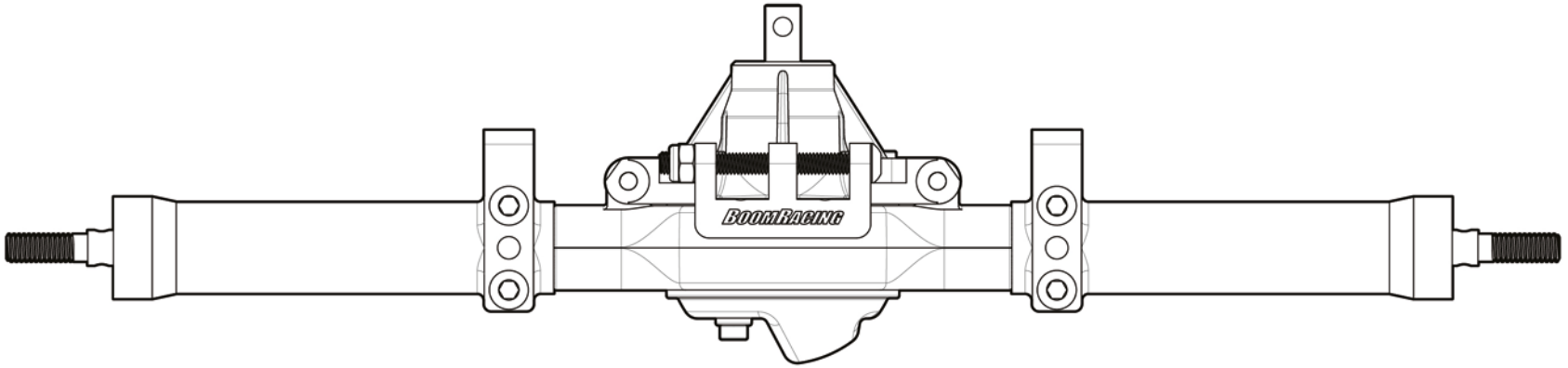
BRX100 Front Straight **PHAT™** Axle (Center Pumpkin)
w/ AR44 HD Gears Link Version x 1
#BRLC7216



Axle Panhard Mount x 1
#BRX020024



Stainless Steel Tie Rod x 1
#BRLC7218



BRX100 Rear Straight **PHAT™** Axle (Center Pumpkin)
w/ AR44 HD Gears Link Version x 1
#BRLC7217

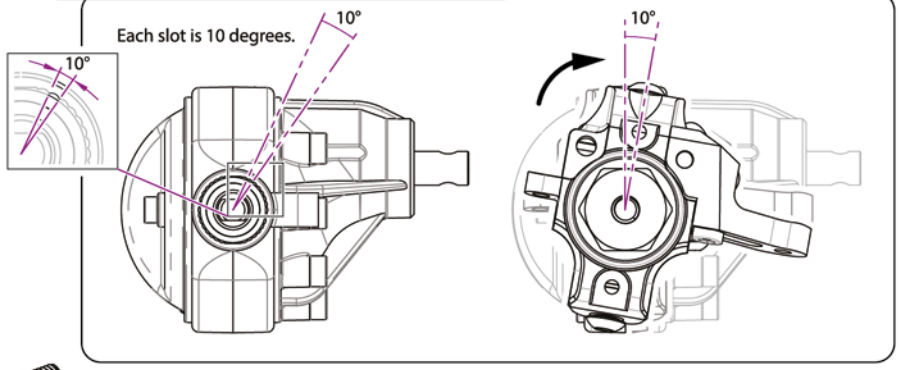
AXLES & SHOCKS

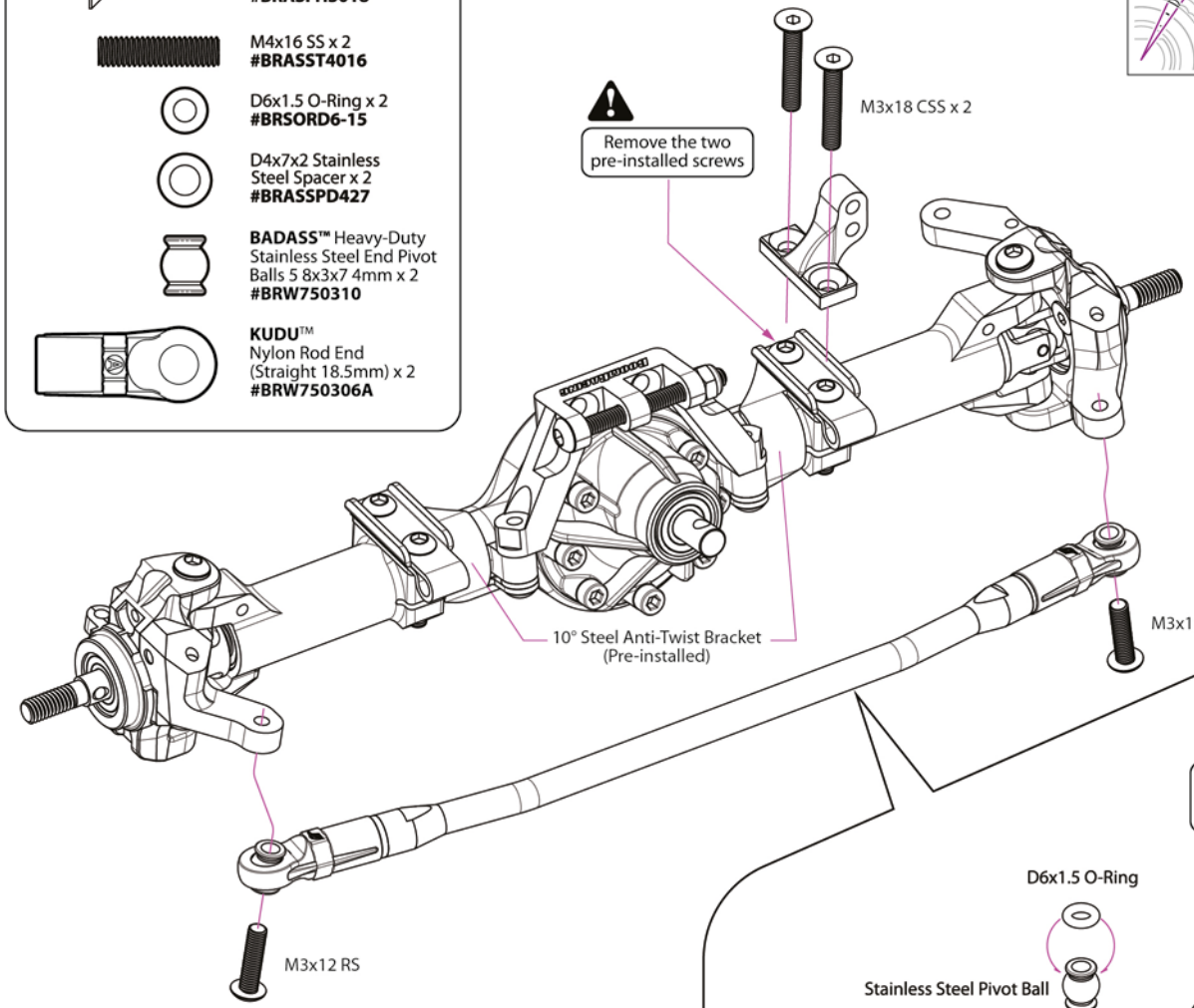
B LINKS / SHOCKS

- 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**
- **BADASS™** Heavy-Duty Stainless Steel End Pivot Balls 5 8x3x7 4mm x 2 **#BRW750310**
- **KUDU™** Nylon Rod End (Straight 18.5mm) x 2 **#BRW750306A**

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)

The 10° Caster Anti-Twist Steel Brackets are pre-installed.





TIE ROD

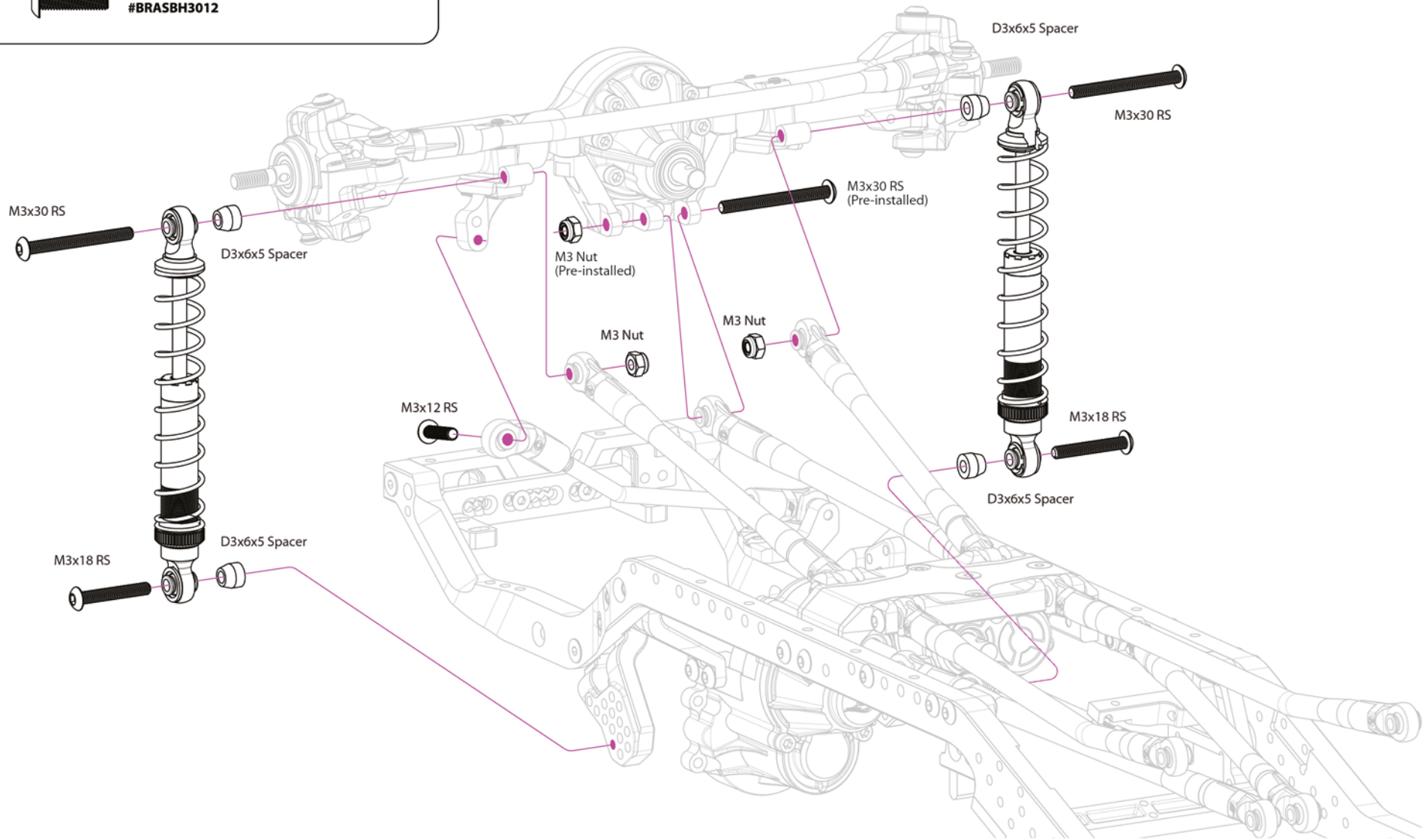
O-ring helps reduce tie rod from wobbling.



AXLES & SHOCKS

B LINKS / SHOCKS

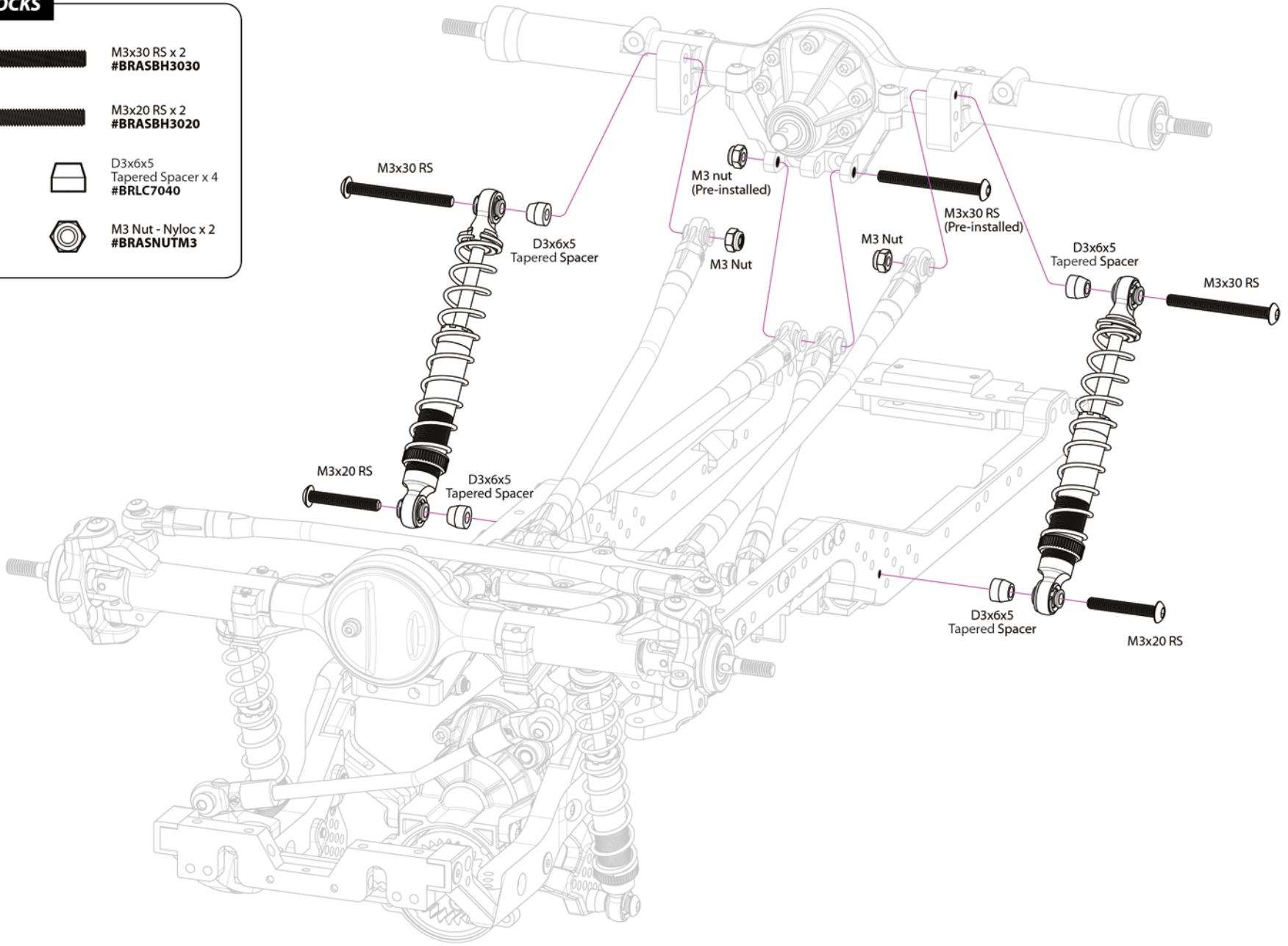
- M3x30 RS x 2 **#BRASBH3030**
- M3x18 RS x 2 **#BRASBH3018**
- M3x12 RS x 1 **#BRASBH3012**
- D3x6x5 Tapered Spacer x 4 **#BRLC7040**
- M3 Nut - Nyloc x 2 **#BRASNUTM3**



AXLES & SHOCKS

B LINKS / SHOCKS

- M3x30 RS x 2 **#BRASBH3030**
- M3x20 RS x 2 **#BRASBH3020**
- D3x6x5 Tapered Spacer x 4 **#BRLC7040**
- M3 Nut - Nyloc x 2 **#BRASNUTM3**



AXLES & SHOCKS

10 - DRIVE SHAFTS

Parts Needed:



KUDU™ Heavy-Duty 84-99mm Steel CVD Center Drive Shaft
#BRKD003-94

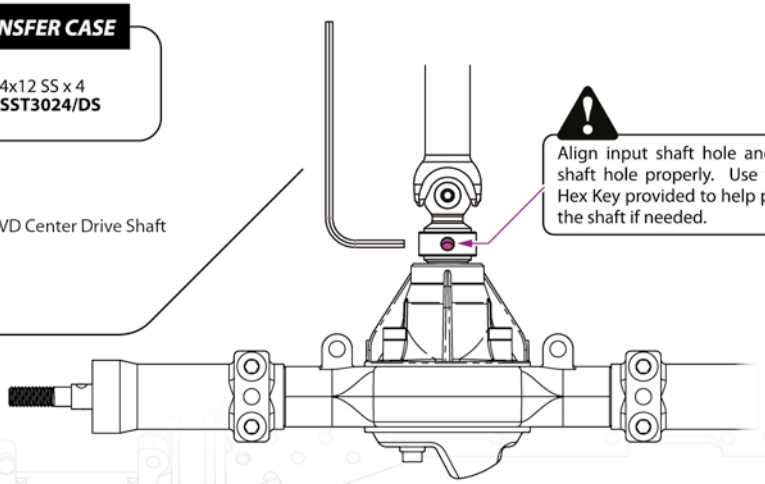
D GEARBOX / SWD TRANSFER CASE



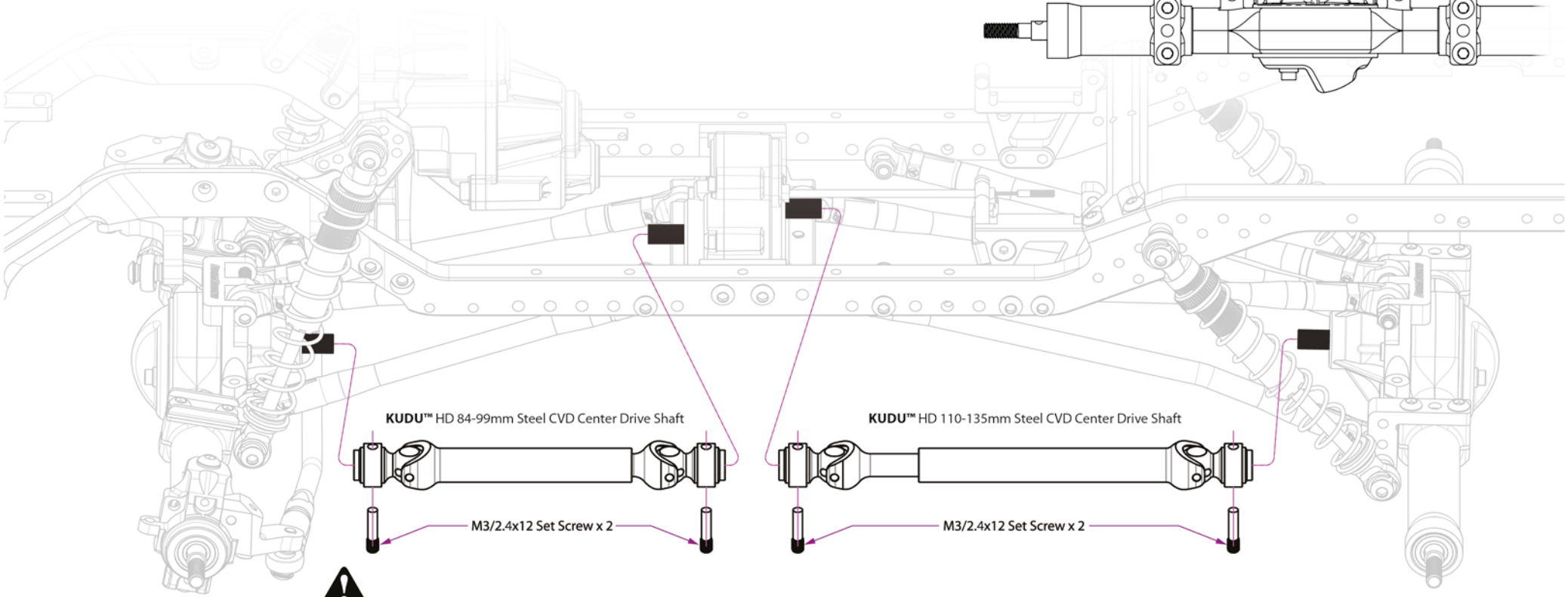
M3/2.4x12 SS x 4
#BRASST3024/DS



KUDU™ Heavy-Duty 110-135mm Steel CVD Center Drive Shaft
#BRKD003-119



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



KUDU™ HD 84-99mm Steel CVD Center Drive Shaft

KUDU™ HD 110-135mm Steel CVD Center Drive Shaft

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.

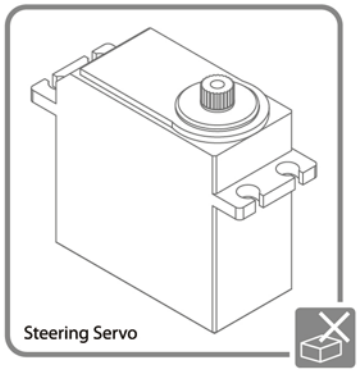
DRIVE SHAFTS

11 - SERVOS

Parts Needed:



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



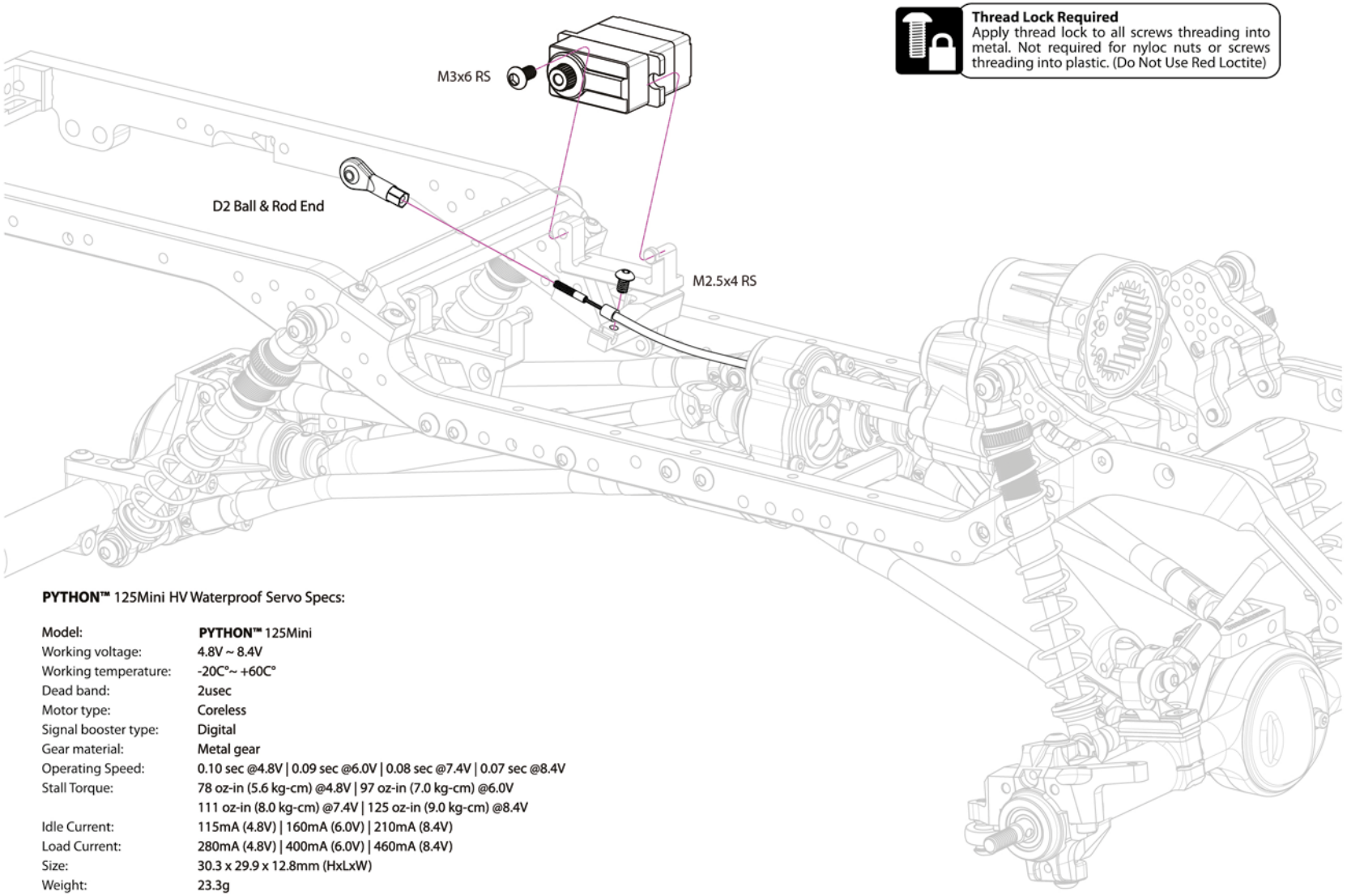
Steering Servo

G SERVOS

M3x6 RS x 1
#BRASBH3006

M2.5x4 RS x 1
#BRASBH2504

D2 Ball & Rod End x 1
#BRQ90351



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)

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

SERVOS

Parts Needed:

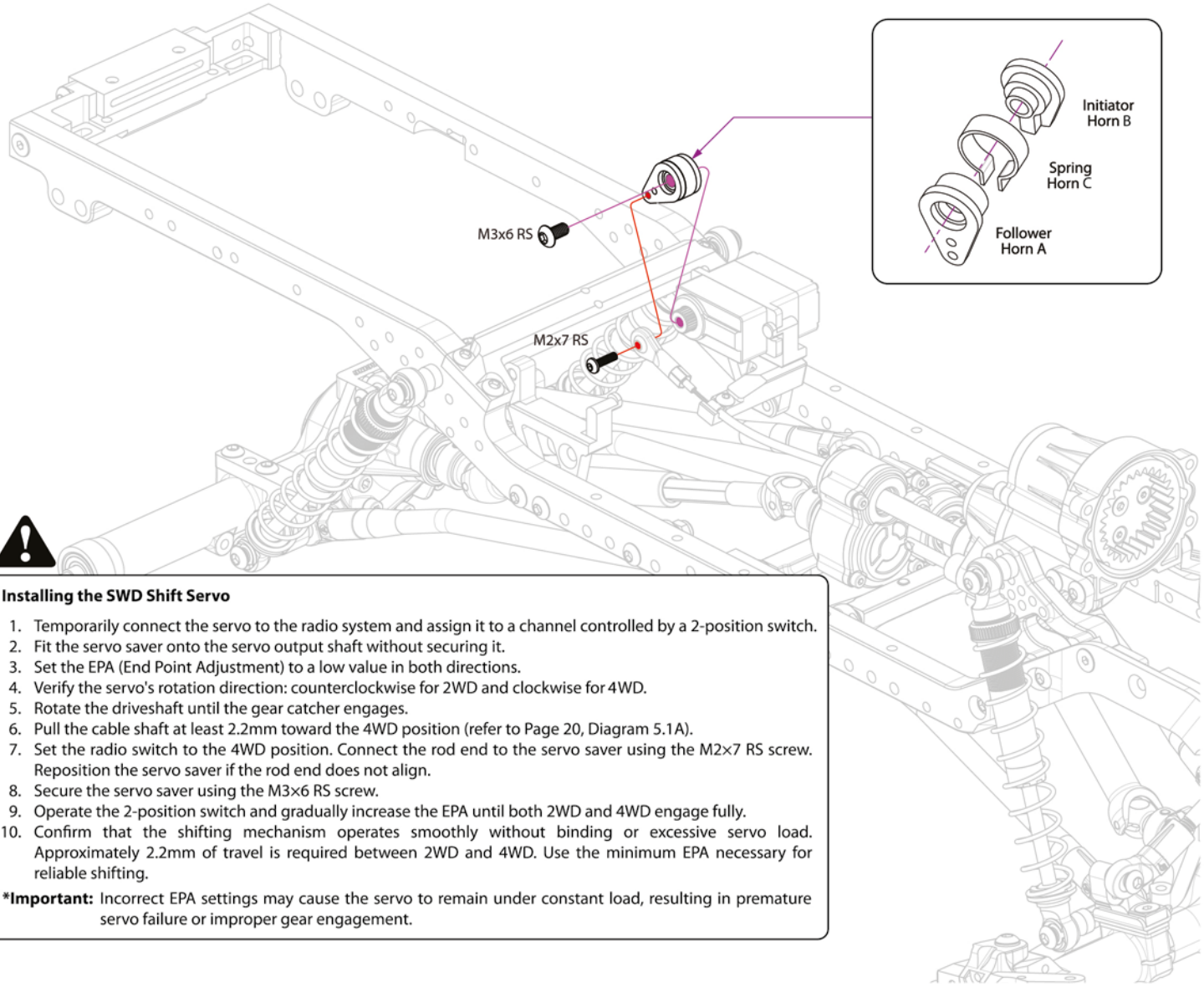
G SERVOS

#BRX027046

- Follower Horn A x 1
- Initiator Horn B x 1
- Spring Horn C x 1

- M3x6 RS x 1 **#BRASBH3006**
- M2x7 RS x 1 **#BRASBH2007**

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)



Installing the SWD Shift Servo

1. Temporarily connect the servo to the radio system and assign it to a channel controlled by a 2-position switch.
2. Fit the servo saver onto the servo output shaft without securing it.
3. Set the EPA (End Point Adjustment) to a low value in both directions.
4. Verify the servo's rotation direction: counterclockwise for 2WD and clockwise for 4WD.
5. Rotate the driveshaft until the gear catcher engages.
6. Pull the cable shaft at least 2.2mm toward the 4WD position (refer to Page 20, Diagram 5.1A).
7. Set the radio switch to the 4WD position. Connect the rod end to the servo saver using the M2×7 RS screw. Reposition the servo saver if the rod end does not align.
8. Secure the servo saver using the M3×6 RS screw.
9. Operate the 2-position switch and gradually increase the EPA until both 2WD and 4WD engage fully.
10. Confirm that the shifting mechanism operates smoothly without binding or excessive servo load. Approximately 2.2mm of travel is required between 2WD and 4WD. Use the minimum EPA necessary for reliable shifting.

***Important:** Incorrect EPA settings may cause the servo to remain under constant load, resulting in premature servo failure or improper gear engagement.

SERVOS

Parts Needed:



Switch Lever x 1
#BRLC70207



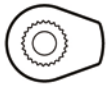
PYTHON™ 125Mini HV Waterproof
Aluminum Mini Servo
125oz-in / 9kg-cm @ 8.4V
#BRPS125MINI

G SERVOS

#BRX027046



Follower
Horn A x 1



Initiator
Horn B x 1



Spring
Horn C x 1



M3x6 RS x 2
#BRASBH3006

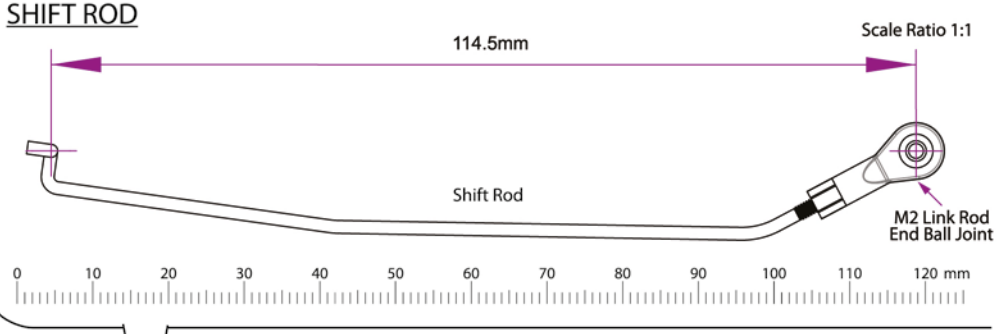


M2x7 RS x 1
#BRASBH2007



D2 Ball & Rod End x 1
#BRQ90351

SHIFT ROD



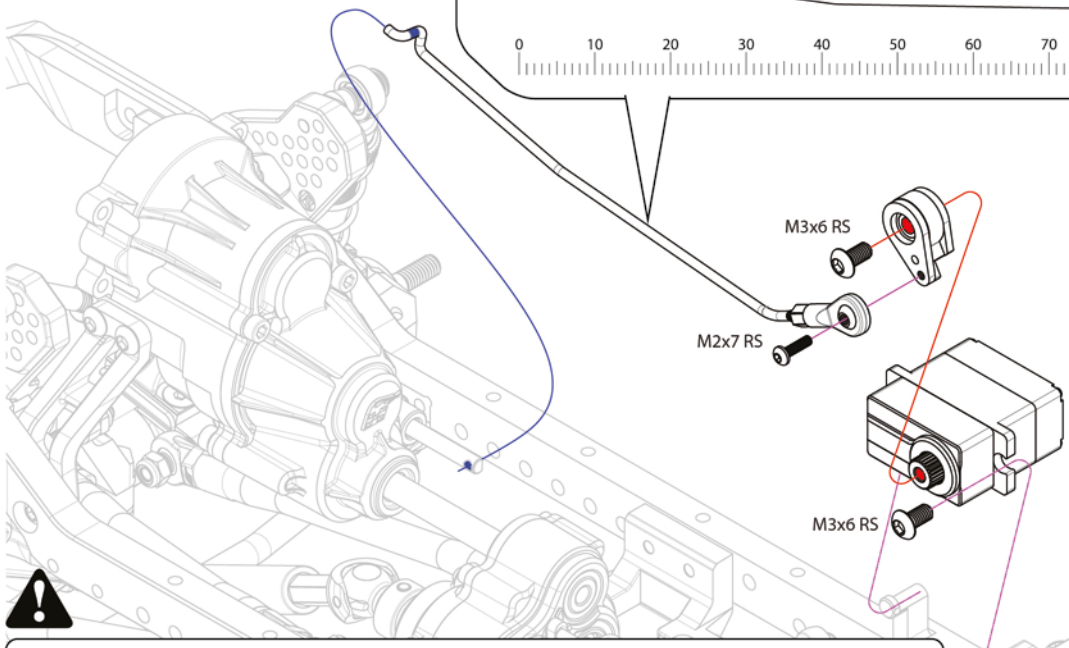
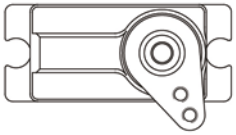


DIAGRAM 11.1

Servo horn position for the low gear.



Servo horn position for the high gear.



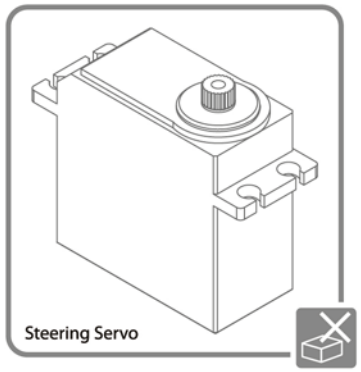
Installing the Hi/Lo Shifting Mechanism & Setting EPA

1. Install the mini servo using one M3x6 screw.
2. 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.
3. 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.
4. 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 11.1.
5. Place the gearbox shift shaft in the Low Gear position (refer to Page 20, Diagram 5.1B) 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.
6. Secure the servo saver using the M3x6 screw.
7. 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.

SERVOS

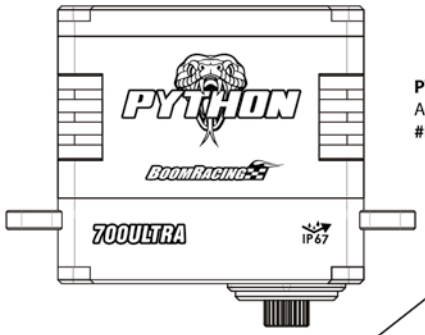
Parts Needed:



G SERVOS

- M3x8 RS x 2 **#BRASBH3008**
- M3x12 RS x 2 **#BRASBH3008**
- M3 Nut - Nyloc x 2 **#BRASNUTM3**

OPTIONAL



PYTHON™ 700Ultra HV Waterproof Aluminum Servo 700oz-in / 50kg-cm @8.4V **#BRPS700ULTRA**

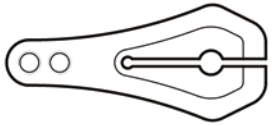
Thread Lock Required
Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

SERVOS

Parts Needed:

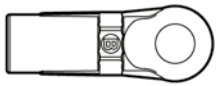


Stainless Steel Adjustable
Drag Link - 55mm x 1
#BRLC7050

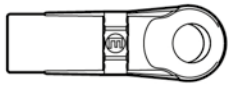


Aluminum Low-Profile
Servo Horn 25T x 1
#BRLC7055

B LINKS / SHOCKS



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



M3x12 RS x 2
#BRASBH3012

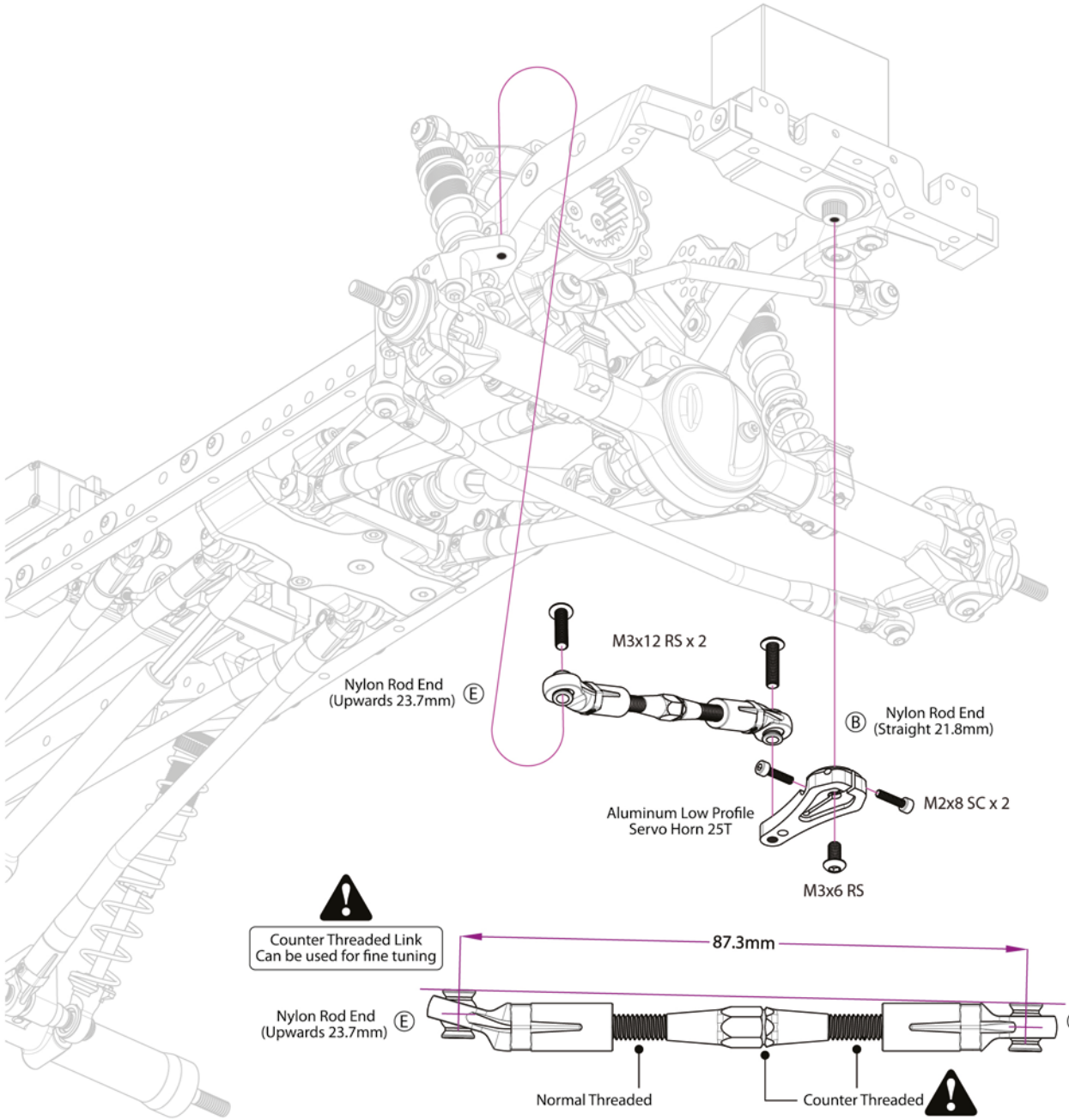
G SERVOS

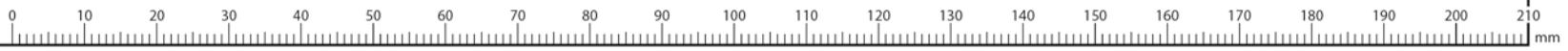


M3x6 RS x 1
#BRASBH3006



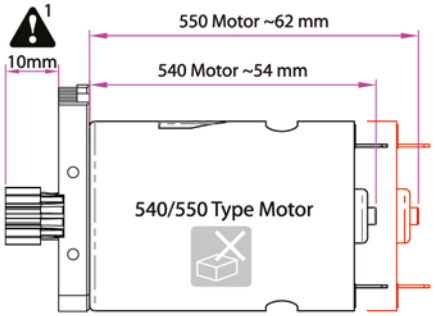
M2x8 SC x 2
#BRASCH2008



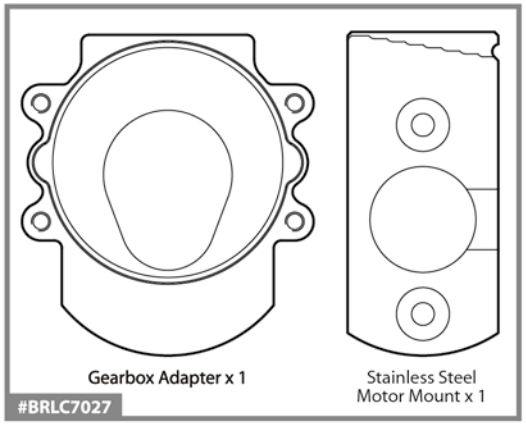


12 - MOTOR

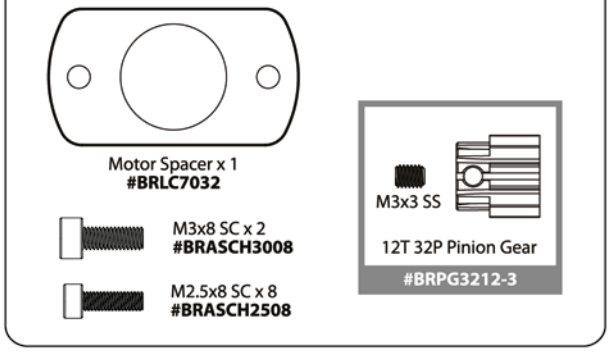
Parts Needed:

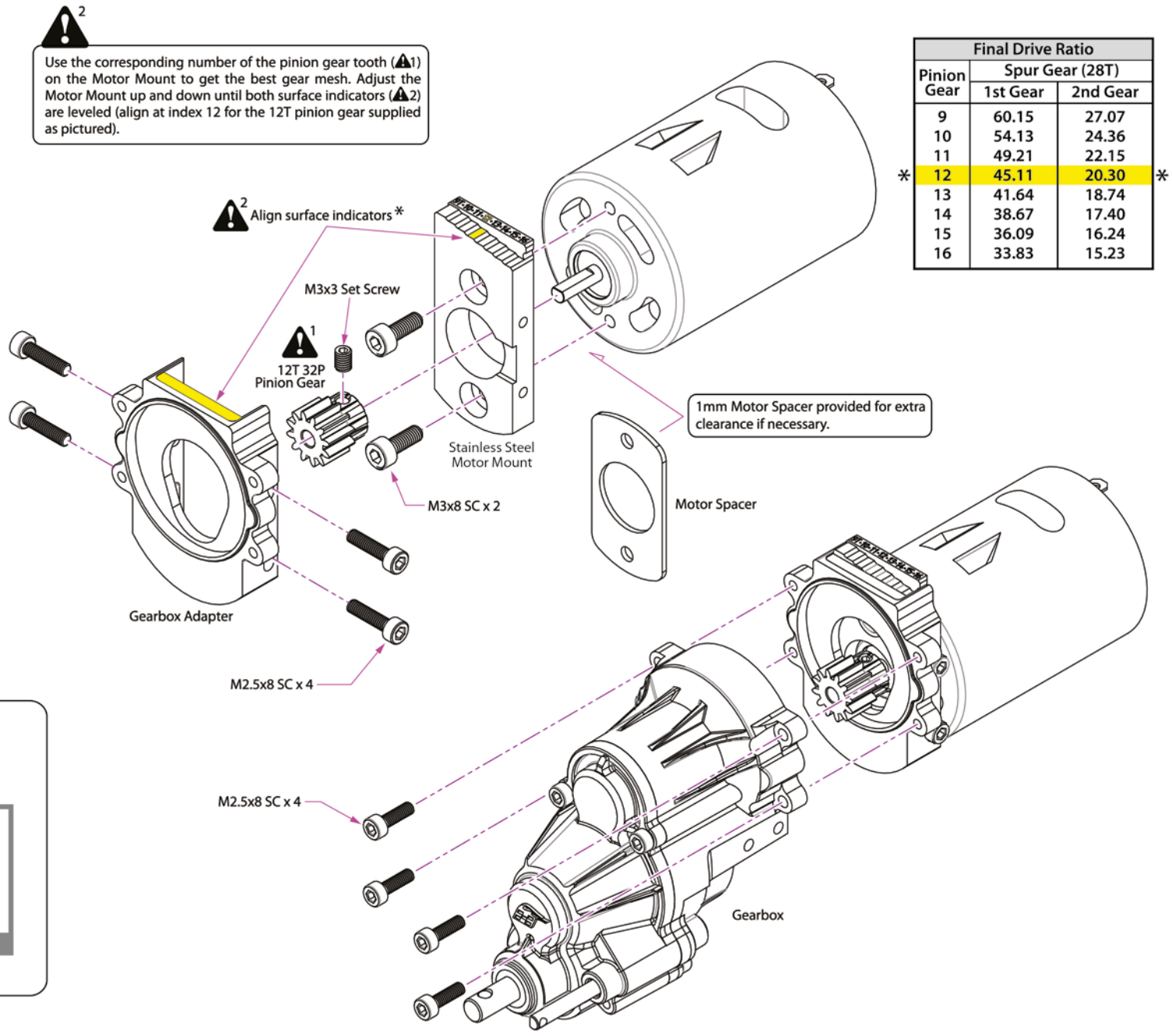


540/550 type motors can be used on BRX01 Pro Spec.



D GEARBOX / SWD TRANSFER CASE





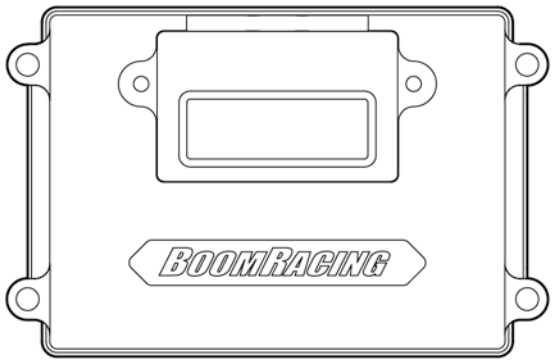
Final Drive Ratio		
Pinion Gear	Spur Gear (28T)	
	1st Gear	2nd Gear
9	60.15	27.07
10	54.13	24.36
11	49.21	22.15
* 12	45.11	20.30 *
13	41.64	18.74
14	38.67	17.40
15	36.09	16.24
16	33.83	15.23

MOTOR

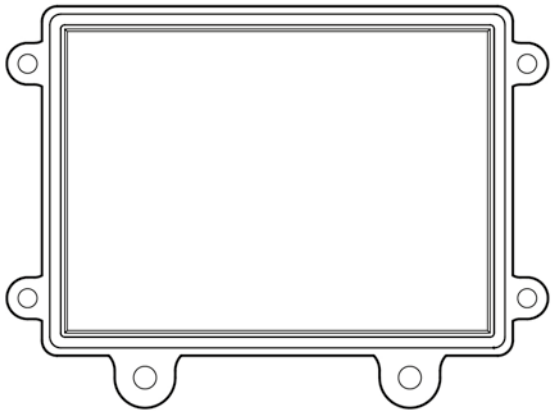
13 - RECEIVER BOX & ELECTRONICS INSTALLATION

Parts Needed:

#BRLC7215

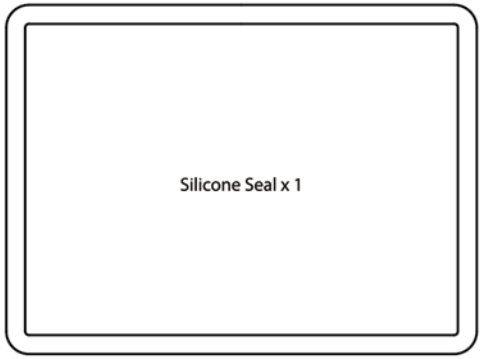


XL Receiver Box Lid x 1



XL Receiver Box x 1

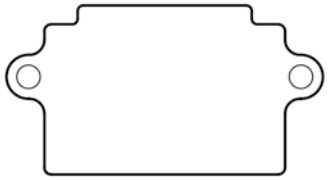
#BRLC7033A



Silicone Seal x 1



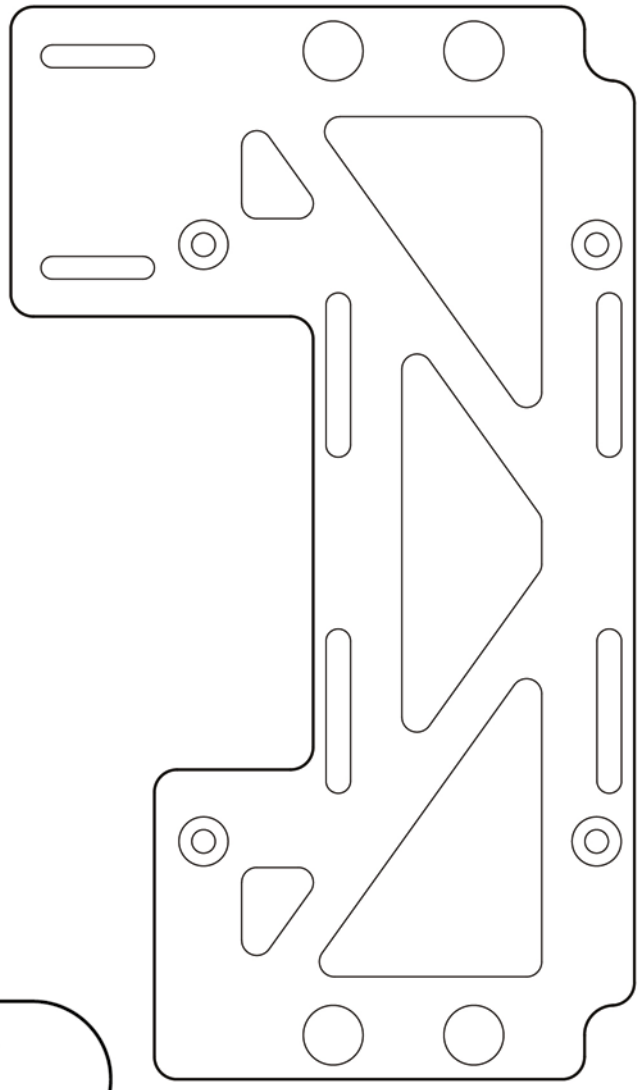
Silicone Port x 1



Stainless Steel Sealing Plate x 1



Battery Strap x 1
#BRLC7221



Aluminum Battery & Electronics Mount Plate x 1
#BRLC7213

RECEIVER BOX & ELECTRONICS

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)

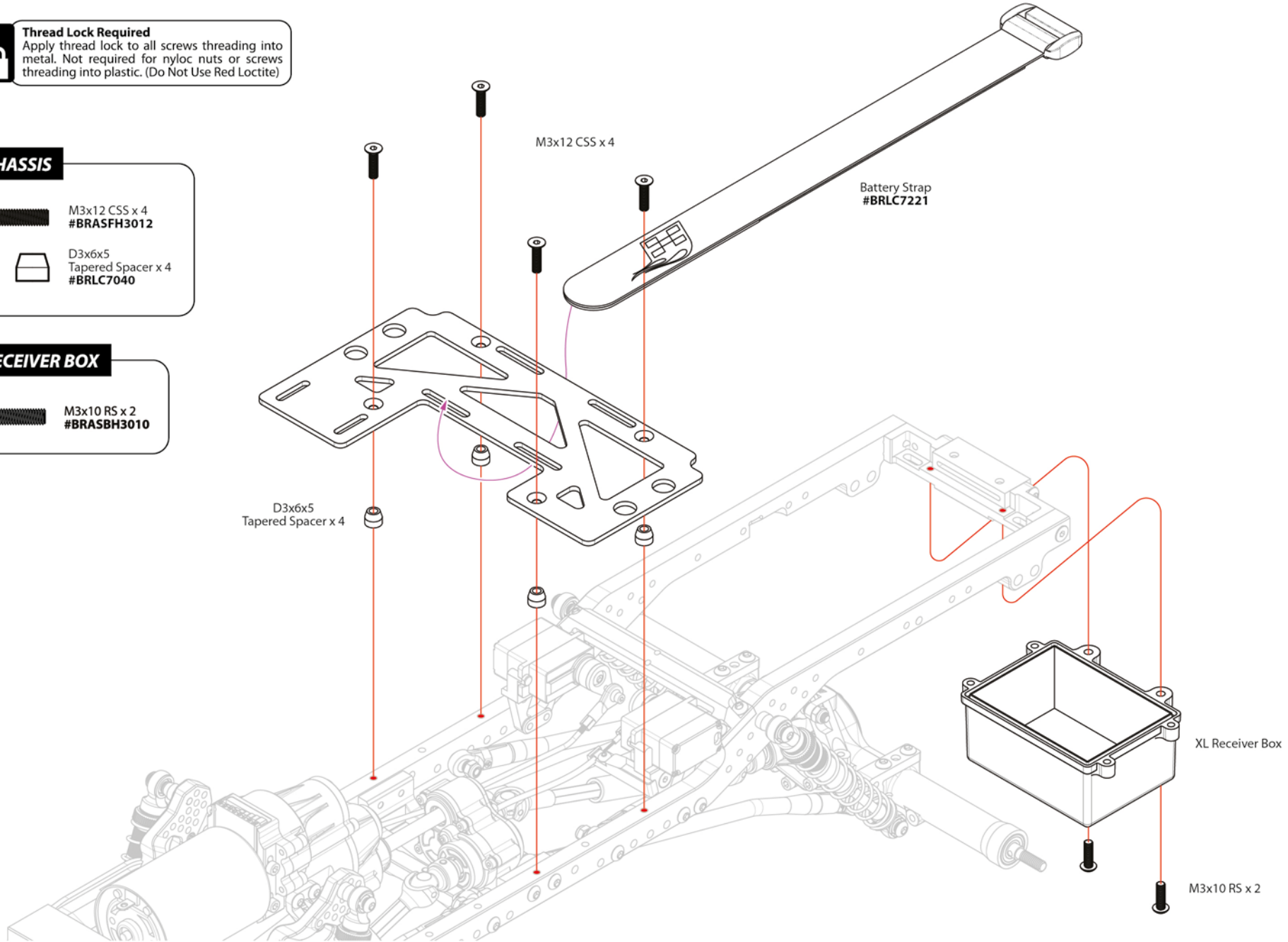
A CHASSIS

M3x12 CSS x 4
#BRASFH3012

D3x6x5
Tapered Spacer x 4
#BRLC7040

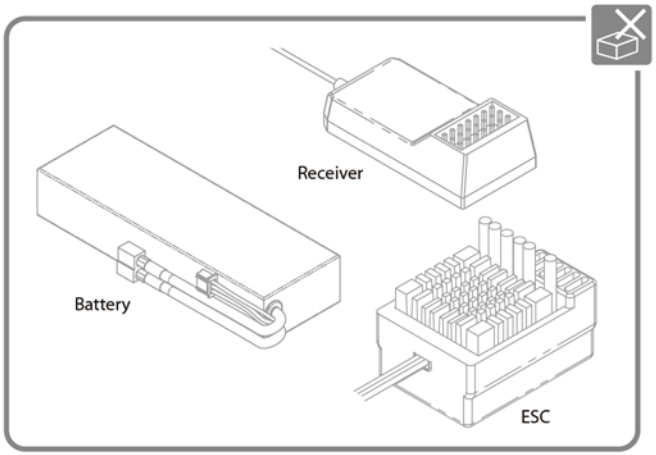
E RECEIVER BOX

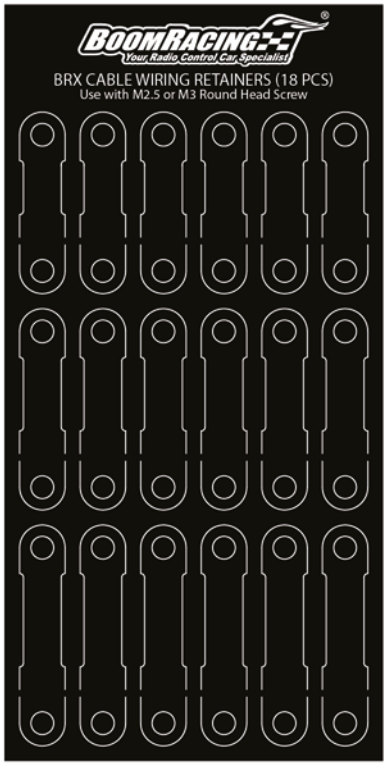
M3x10 RS x 2
#BRASBH3010



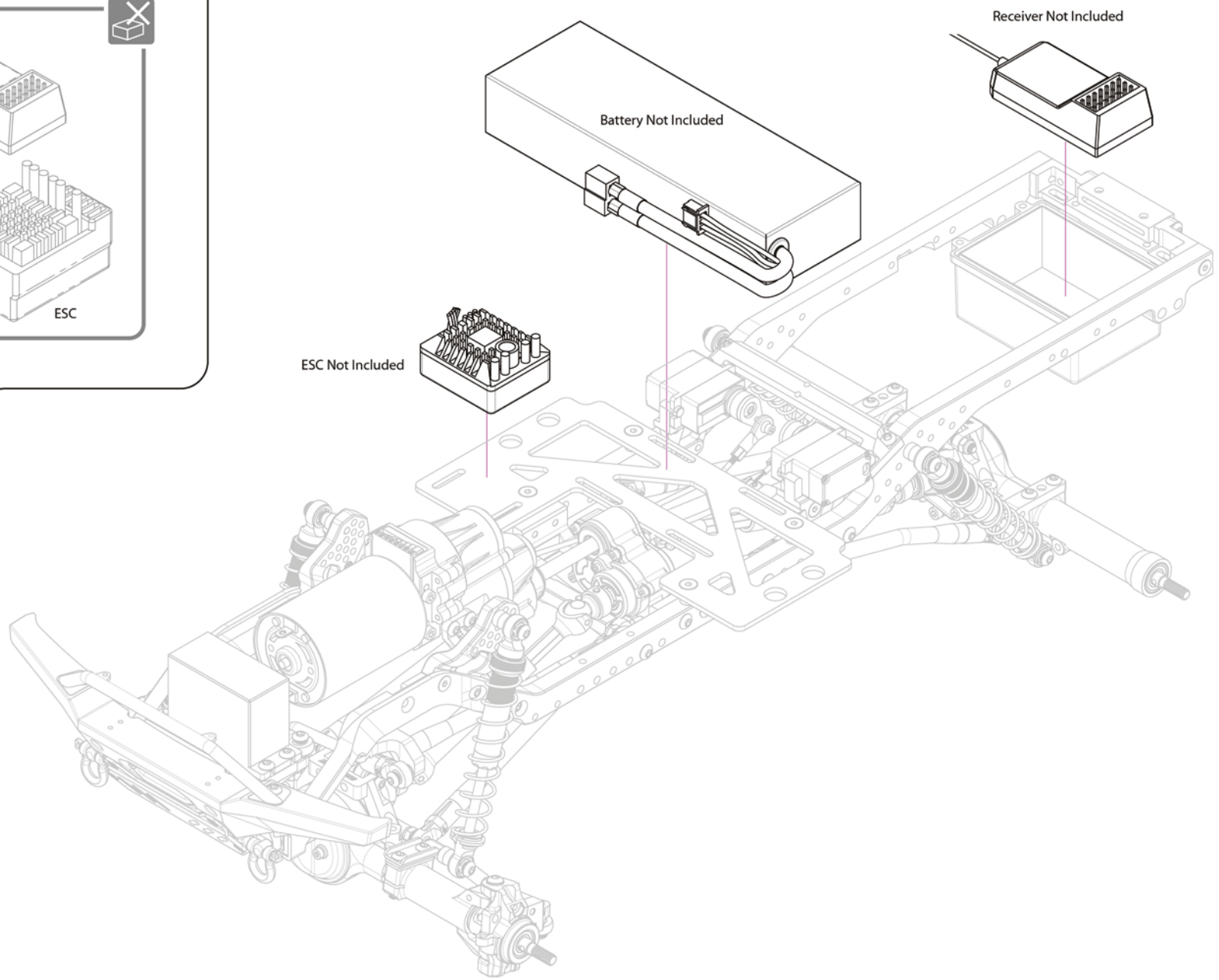
RECEIVER BOX & ELECTRONICS

Parts Needed:





Cable Wiring Retainers
#BRT10037



RECEIVER BOX & ELECTRONICS

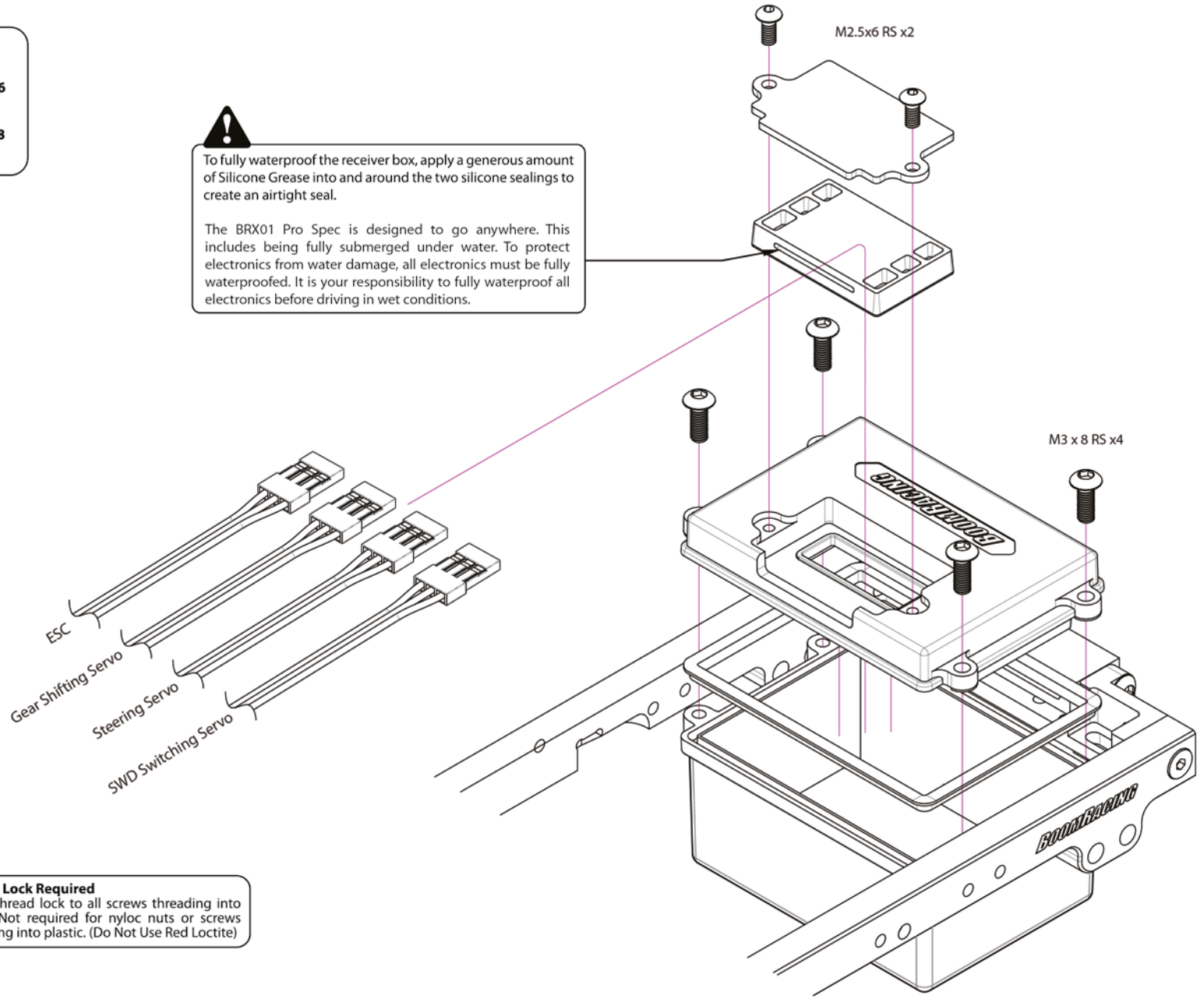
E RECEIVER BOX

M2.5x6 RS x 2
#BRASBH2506

M3x8 RS x 4
#BRASBH3008

To fully waterproof the receiver box, apply a generous amount of Silicone Grease into and around the two silicone sealings to create an airtight seal.

The BRX01 Pro Spec is designed to go anywhere. This includes being fully submerged under water. To protect electronics from water damage, all electronics must be fully waterproofed. It is your responsibility to fully waterproof all electronics before driving in wet conditions.

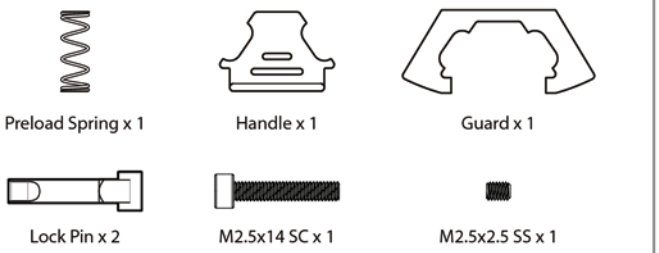


Thread Lock Required
Apply thread lock to all screws threading into metal. Not required for nyloc nuts or screws threading into plastic. (Do Not Use Red Loctite)

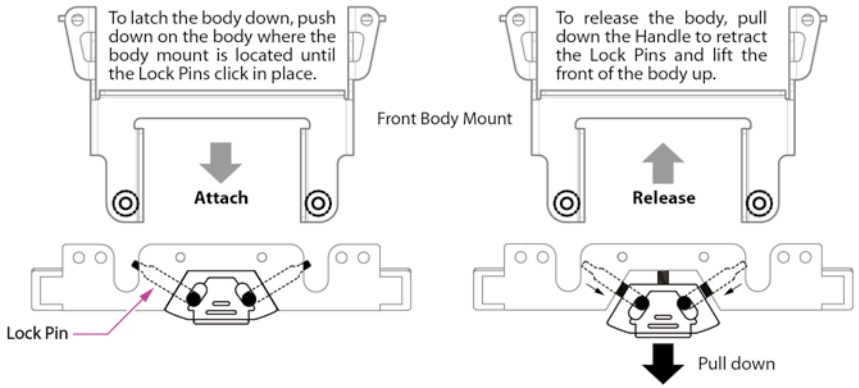
RECEIVER BOX & ELECTRONICS

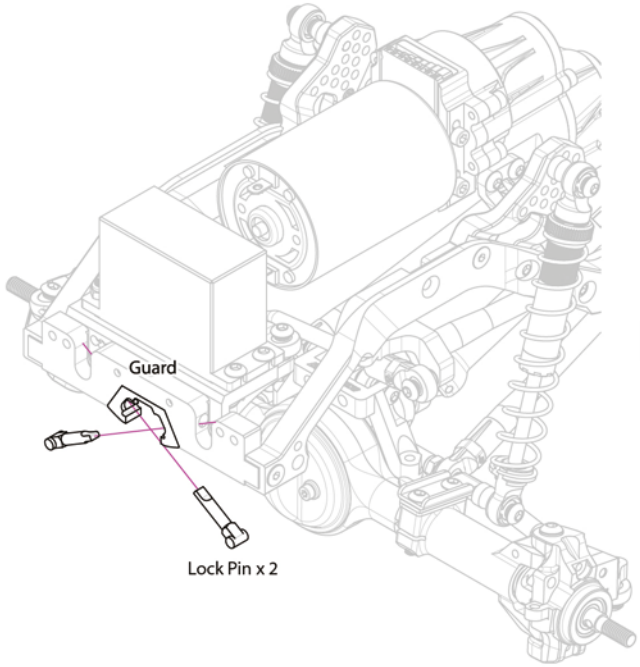
Parts Needed:

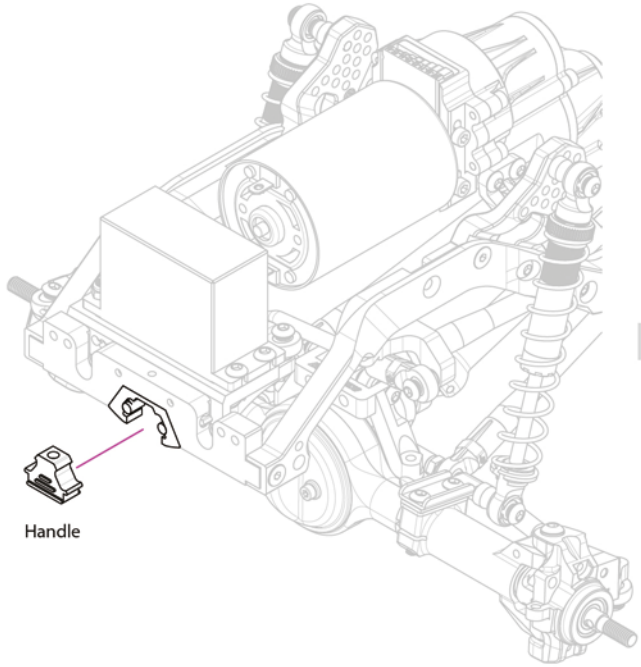
#BRLC7062

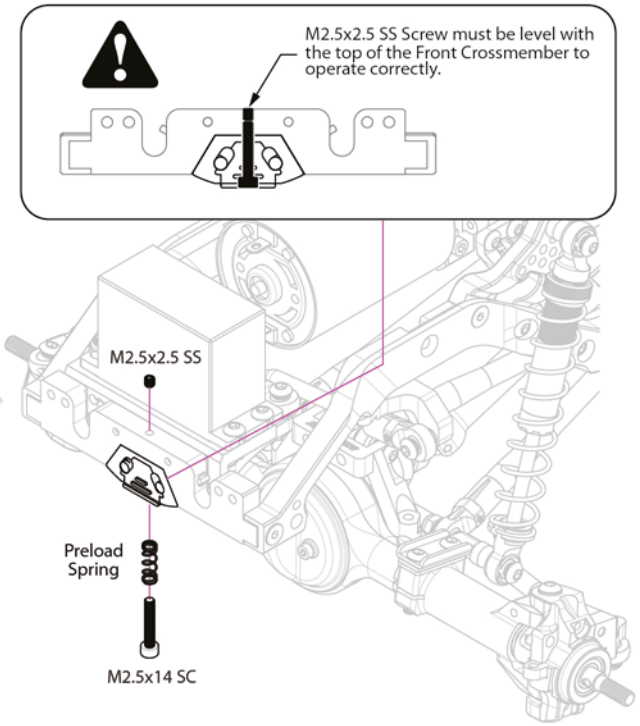


OPERATING THE QUICK RELEASE LATCH SYSTEM







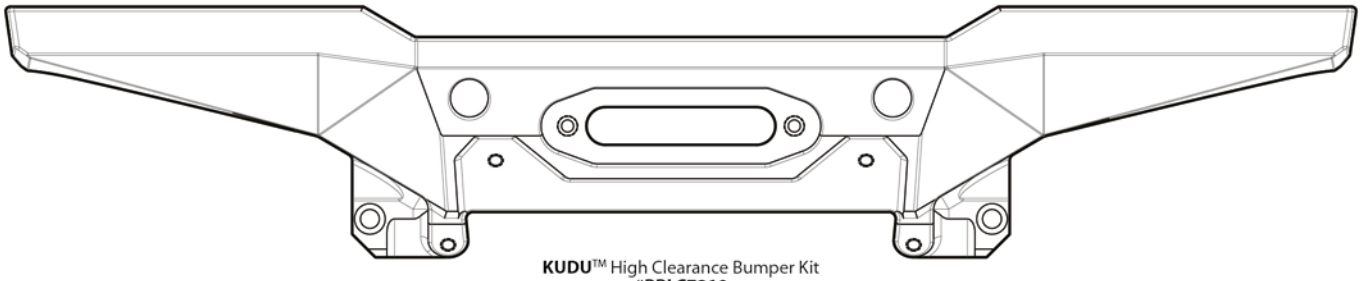


QUICK-RELEASE

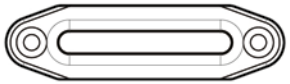
15 - FRONT BUMPER

FRONT BUMPER

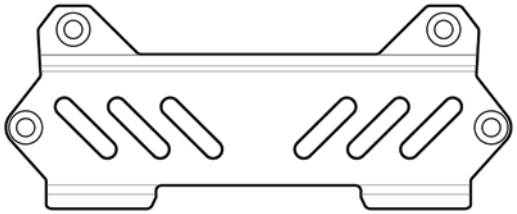
Parts Needed:



KUDU™ High Clearance Bumper Kit
#BRLC7210



Aluminum Fairlead x 1
#BRX02396S

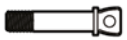


Stainless Steel Slotted Skid Plate x 1
#BRLC7099D



Steel Stubby Bull Bar x 1
#BRLC7096AV2

#BRLC70103



Shackle Pin x 2

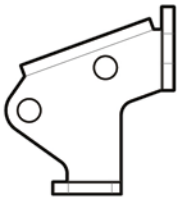


Shackle Mount x 2

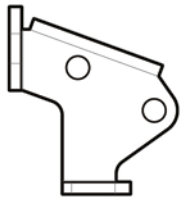


Shackle x 2

#BRLC7212

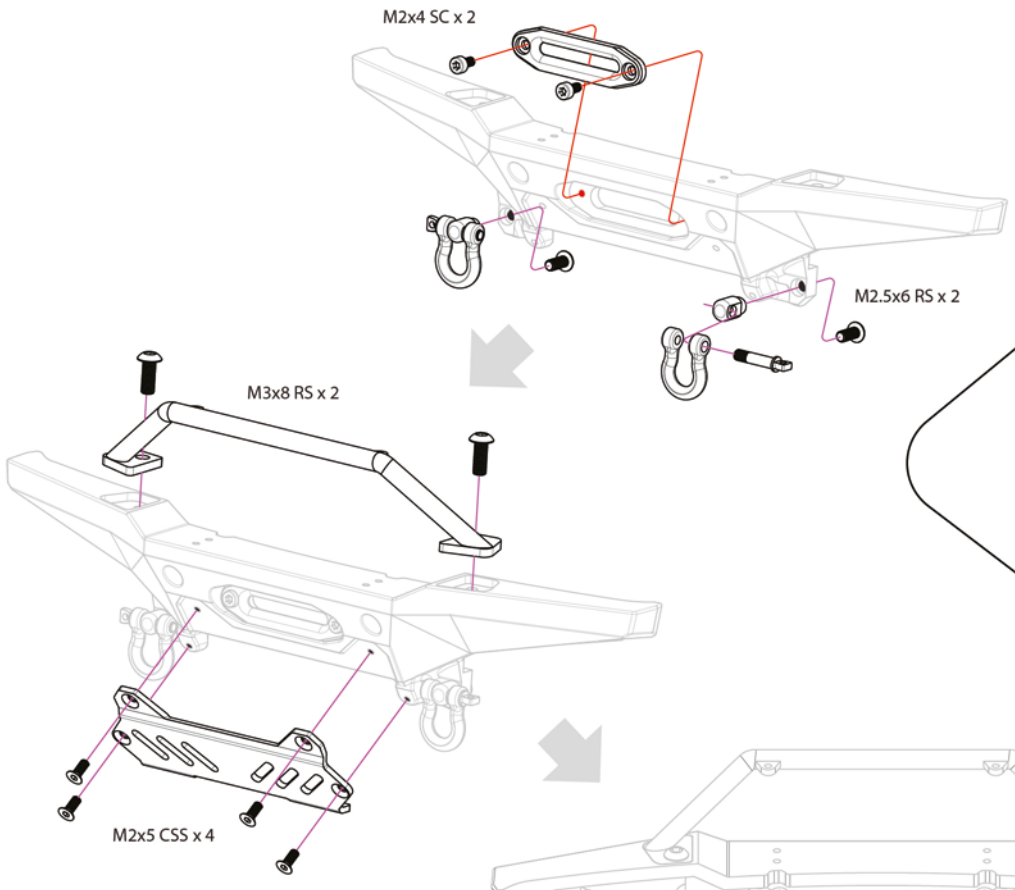


Steel Front Bumper Mount
- left x 1

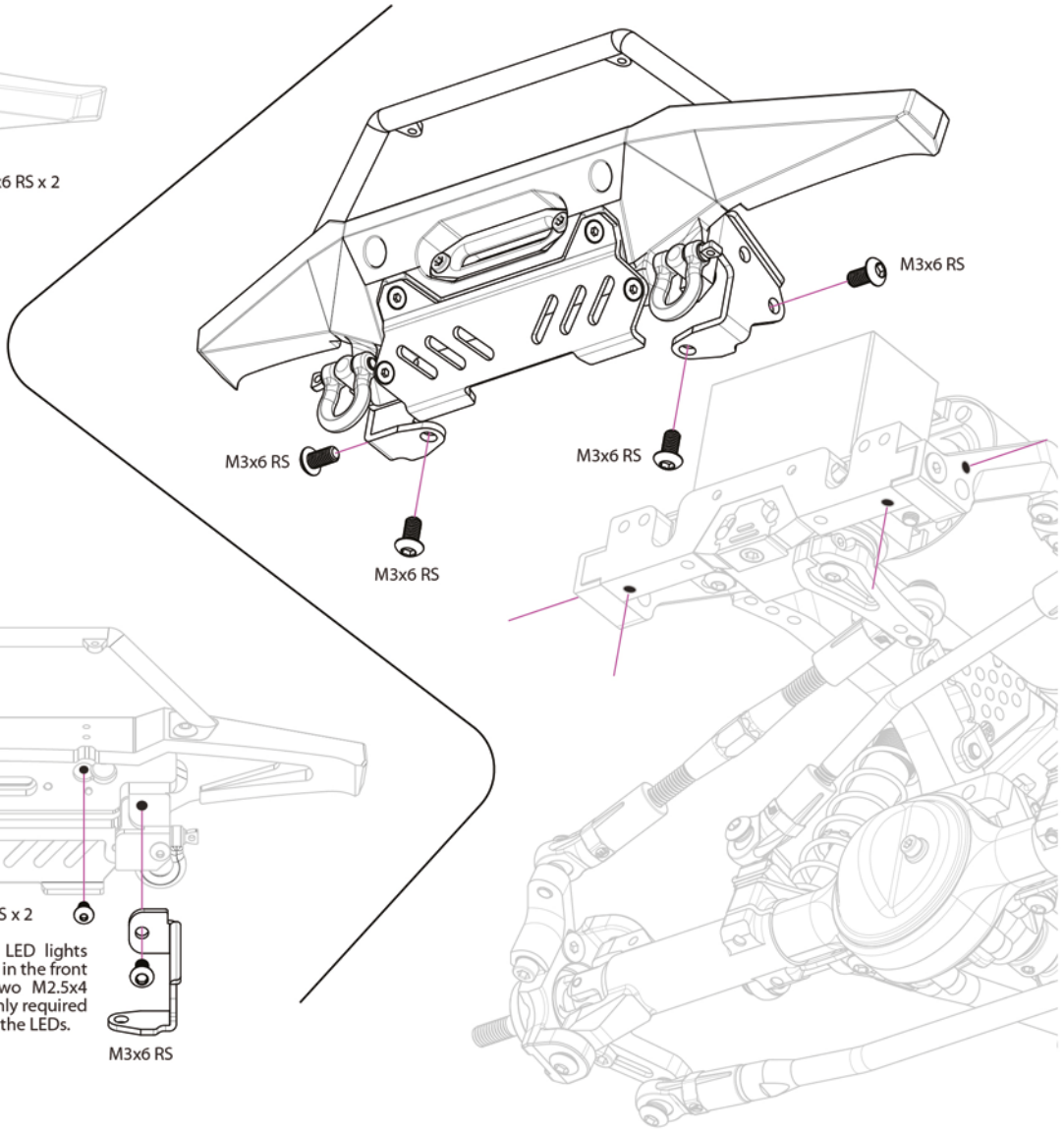


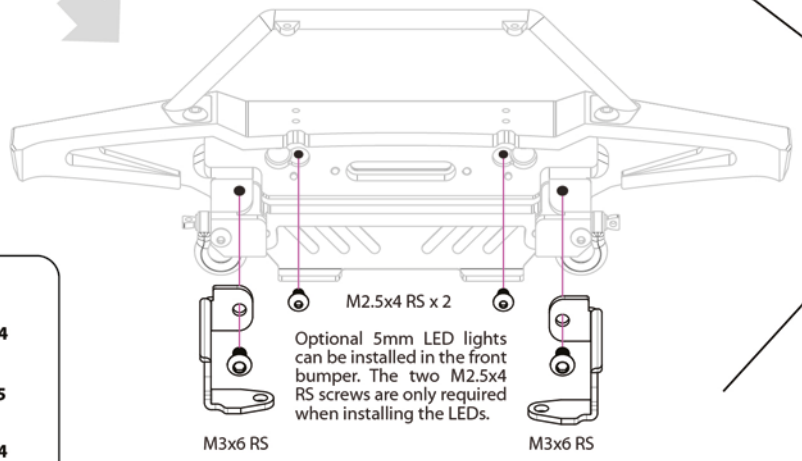
Steel Front Bumper Mount
- Right x 1

FRONT BUMPER



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)





Optional 5mm LED lights can be installed in the front bumper. The two M2.5x4 RS screws are only required when installing the LEDs.

F FRONT BUMPER & ROCK SLIDERS

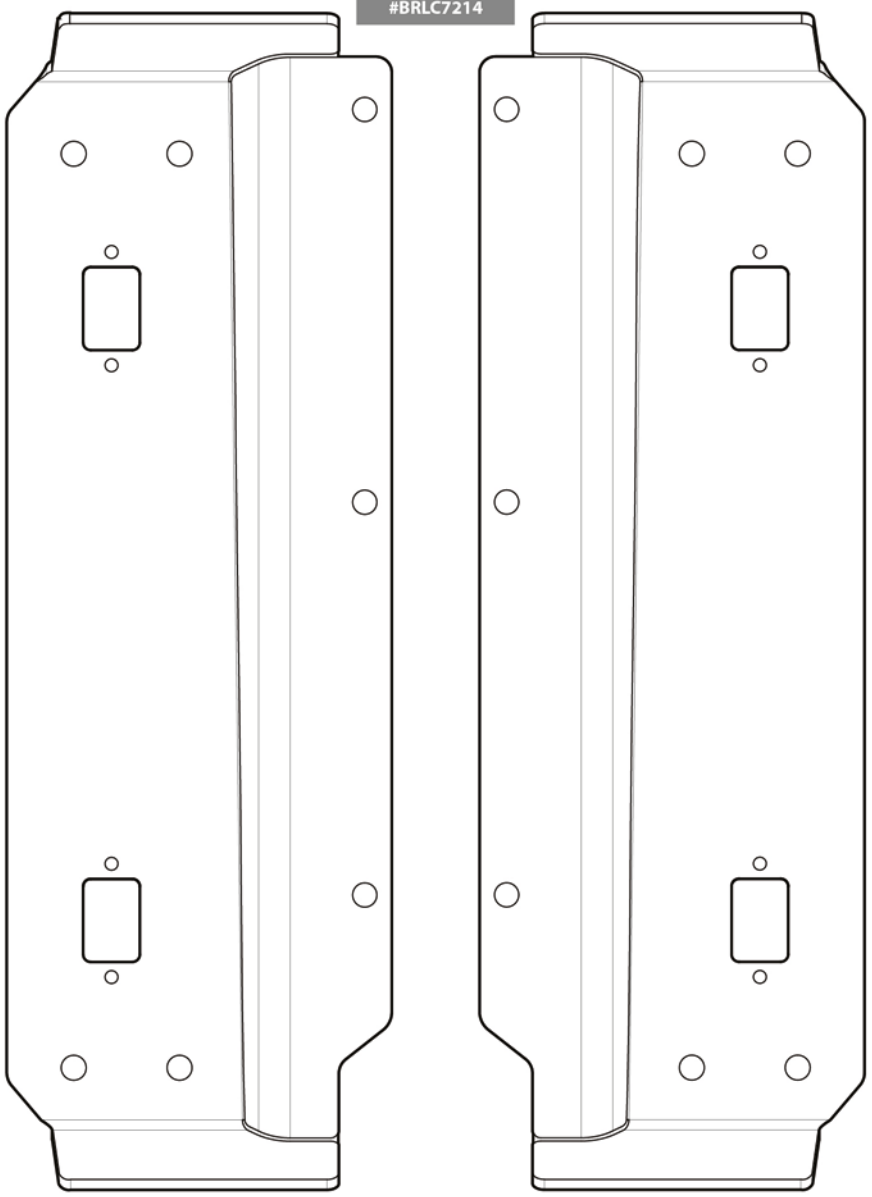
M3x6 RS x 6 **#BRASBH3006**	M2.5x4 RS x 2 **#BRASBH2504**
M3x8 RS x 2 **#BRASBH3008**	M2x5 CSS x 4 **#BRASFH2005**
M2.5x6 RS x 2 **#BRASBH2506**	M2x4 SC x 2 **#BRASCH2004**

16 - ROCK SLIDERS

ROCK SLIDERS

Parts Needed:

#BRLC7214

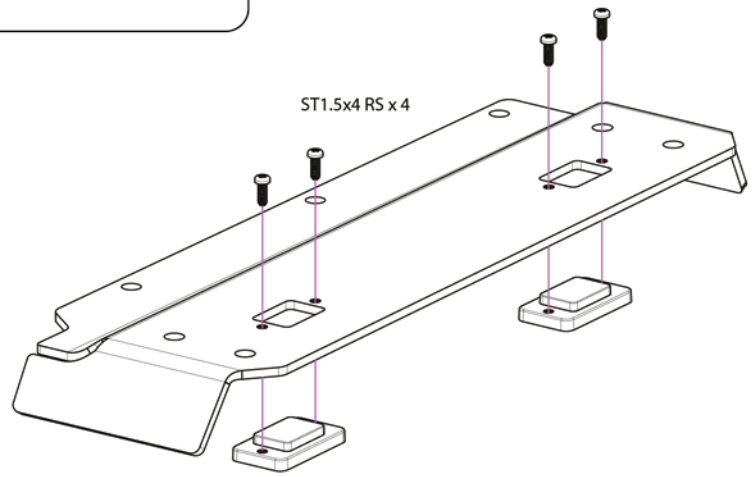


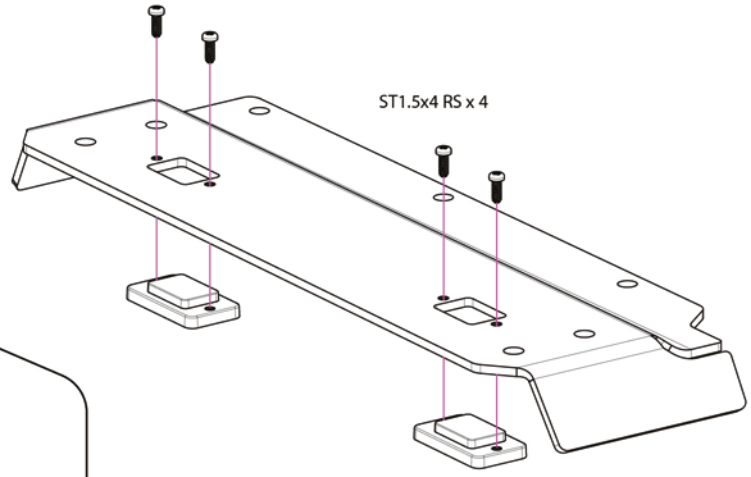
Steel Side Slider - Right x 1

Steel Side Slider - Left x 1

F **FRONT BUMPER & ROCK SLIDERS**

ST1.5x4 RS x 8





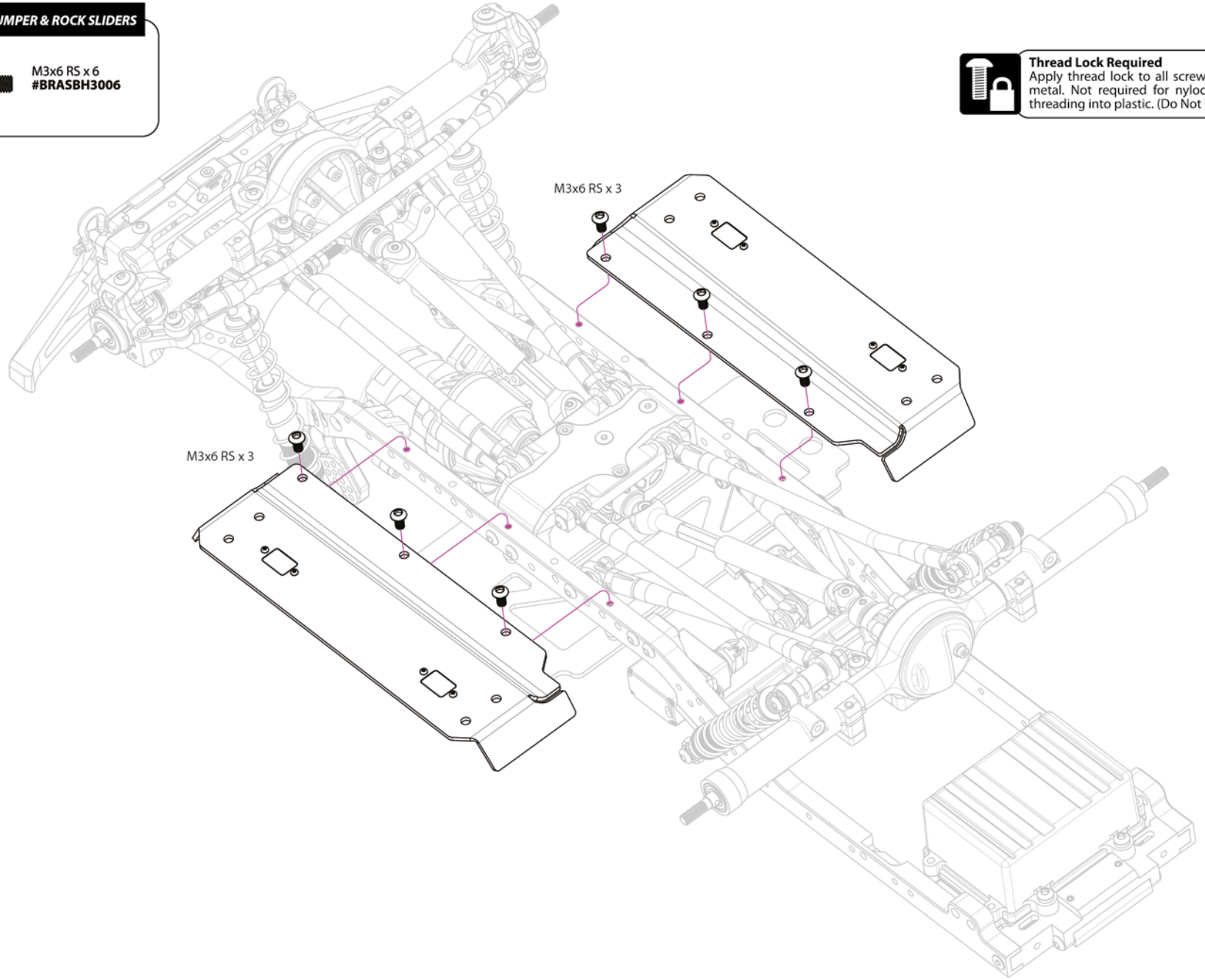


Nylon Rock Light Delete Cover x 4
#BRLC7214A

F FRONT BUMPER & ROCK SLIDERS

M3x6 RS x 6
#BRASBH3006

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)



ROCK SLIDERS

F FRONT BUMPER & ROCK SLIDERS



M3x14 RS x 8
#BRASBH3014

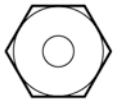


M3 Nut - Nyloc x 8
#BRASNUTM3

ROCK SLIDERS

Parts Needed:

C WHEELS



8mm Wheel Hex x 4
#BRLC7056

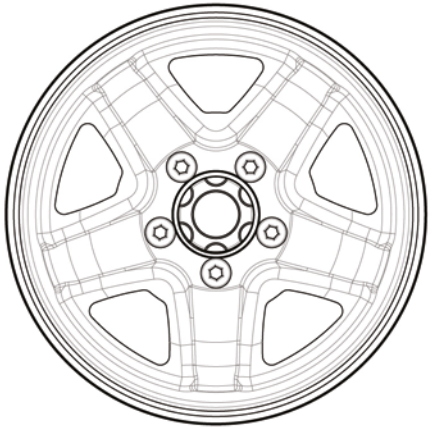


M3x3 SS x 4
#BRASST3003

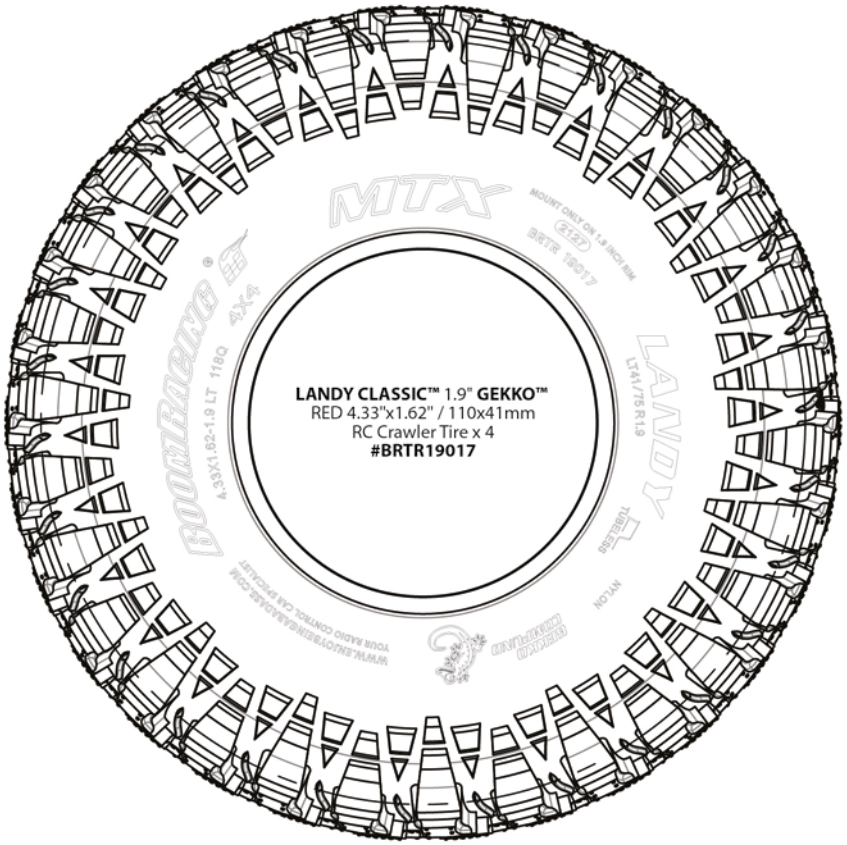


M4 Nut - Nyloc x 4
#BRASNUTM4

2x10mm Pin x 4
#BRASPIN210



1.9" S200 Yota Steelie Reversible Beadlock Wheels - Gun Metal
w/ **ProBuild™** XT504 V2 hub x 4
#BRW780933GM

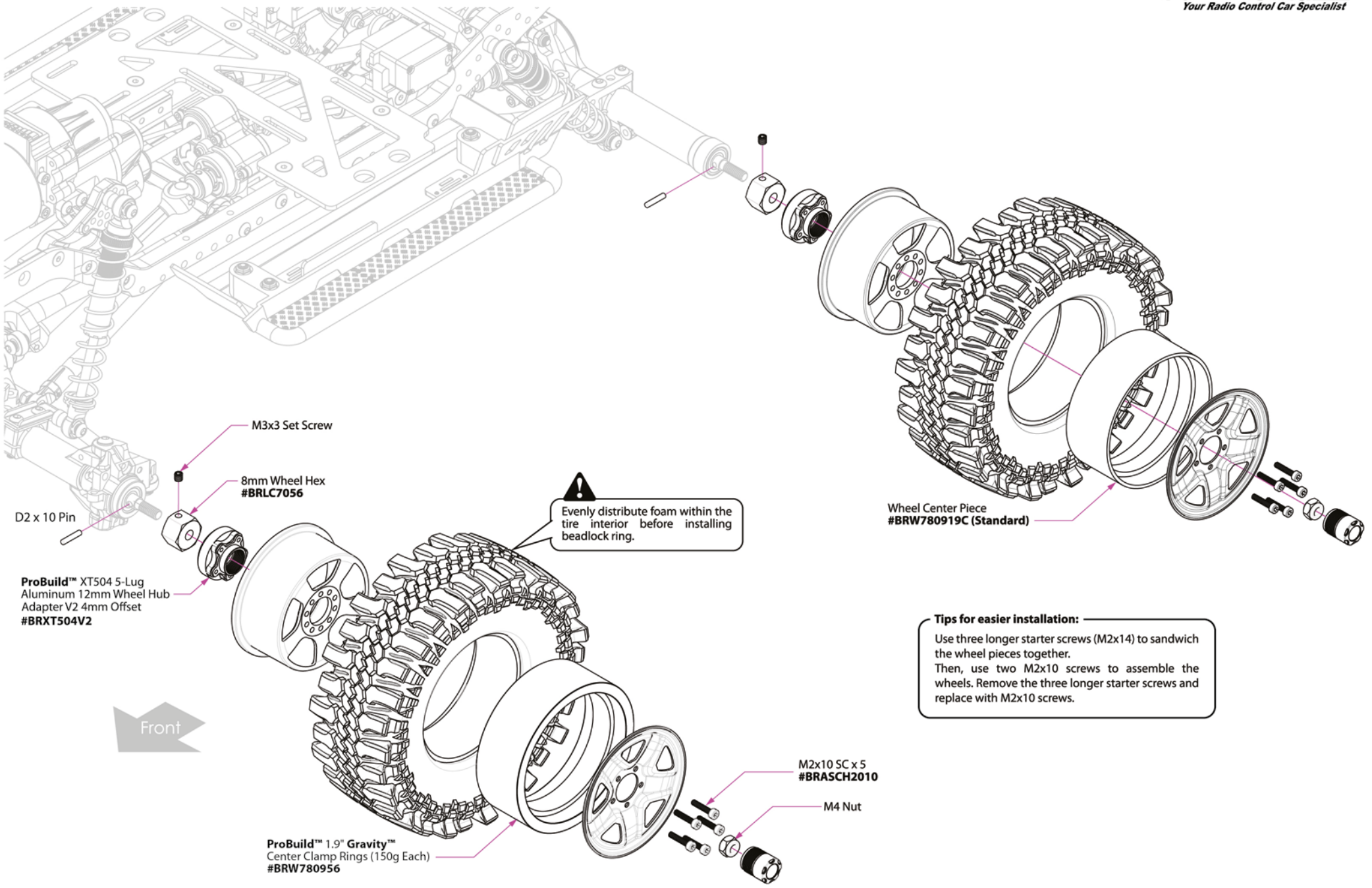


LANDY CLASSIC™ 1.9" **GEKKO™**
RED 4.33"x1.62" / 110x41mm
RC Crawler Tire x 4
#BRTR19017



Rock Monster™ 1.9" Green Foam Insert
104x30mm / 4.09"x1.18" x 4
#BRRM19104S

WHEELS & TIRES



Tips for easier installation:

Use three longer starter screws (M2x14) to sandwich the wheel pieces together.
Then, use two M2x10 screws to assemble the wheels. Remove the three longer starter screws and replace with M2x10 screws.

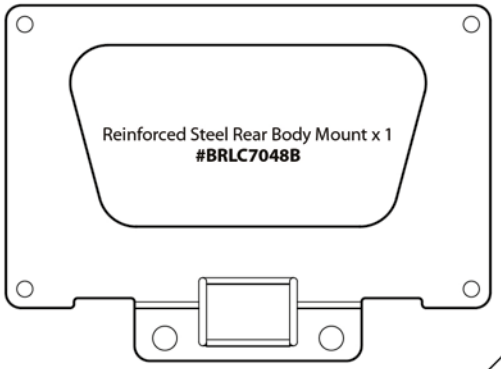
WHEELS & TIRES

18 - BODY MOUNTS

Parts Needed:



Reinforced Steel Front Body Mount x 1
#BRLC7220



Reinforced Steel Rear Body Mount x 1
#BRLC7048B

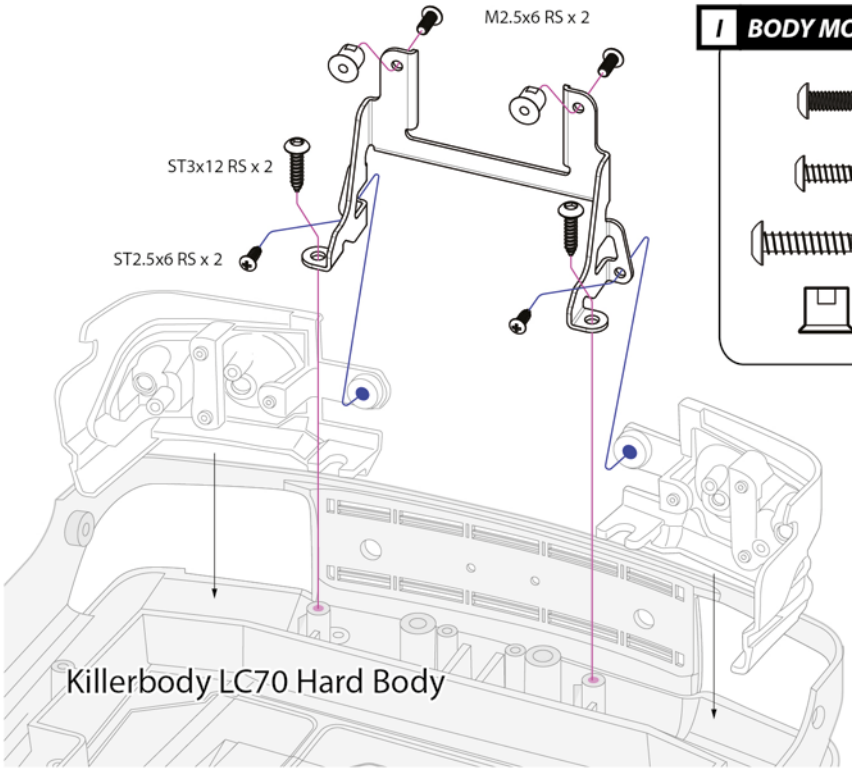
1 BODY MOUNTS



M2x5 SC x 4
#BRASCH2005



M2 Nut x 4
#BRASNUTM2



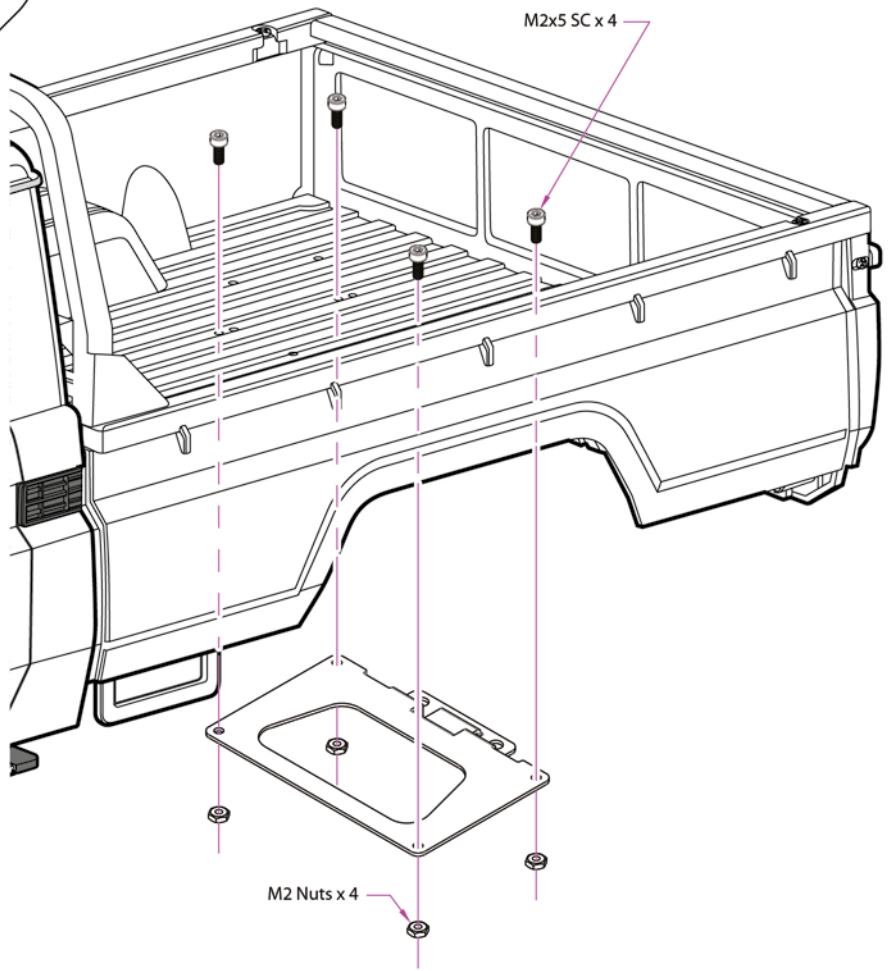
1 BODY MOUNTS

M2.5x6 RS x 2
#BRASBH2506

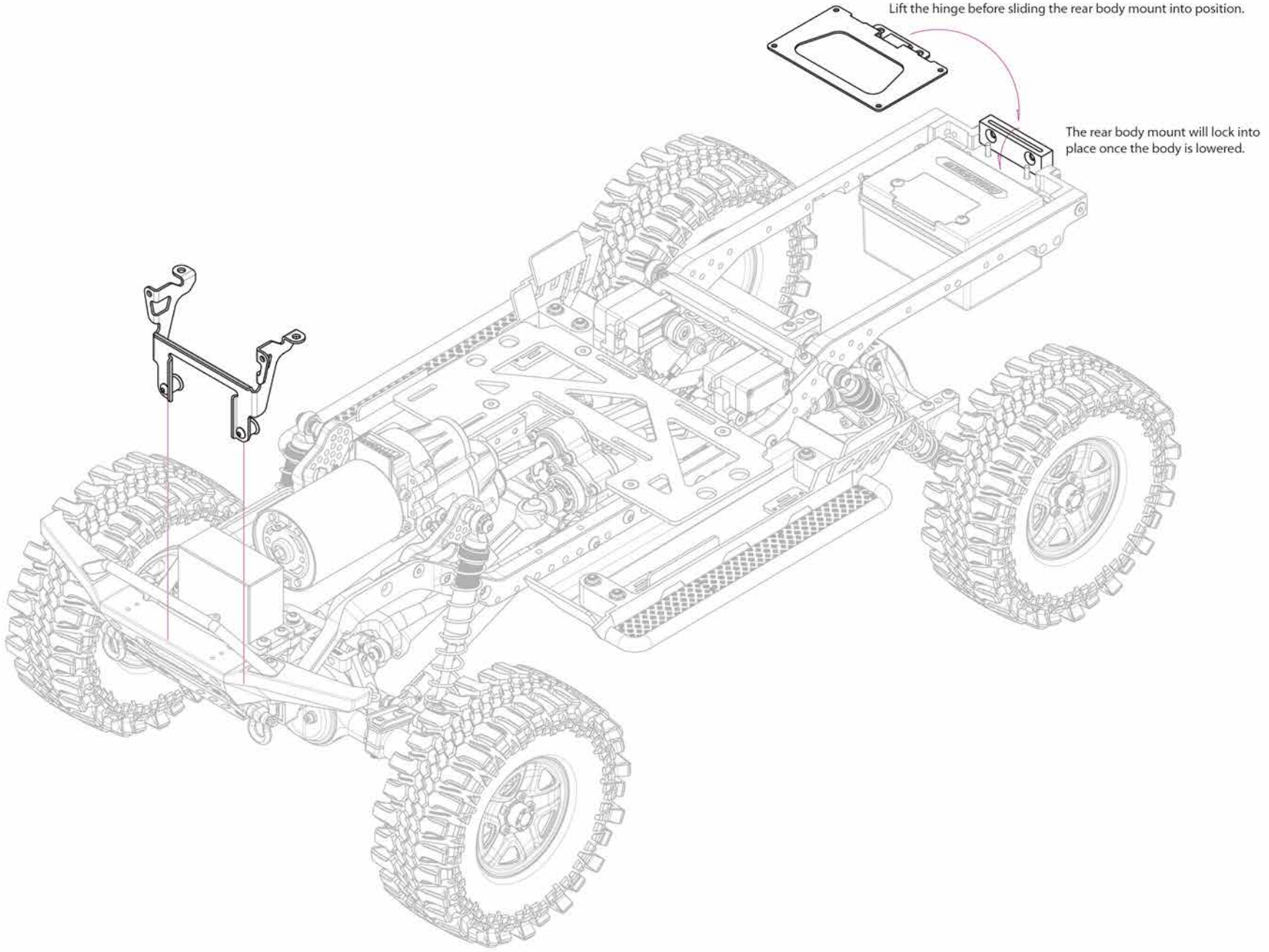
ST2.5x6 RS x 2
#BRASST25X6

ST3x12 RS x 2
#BRASST3X12

Cross Bar (6mm) x 2
#BRLC7065C

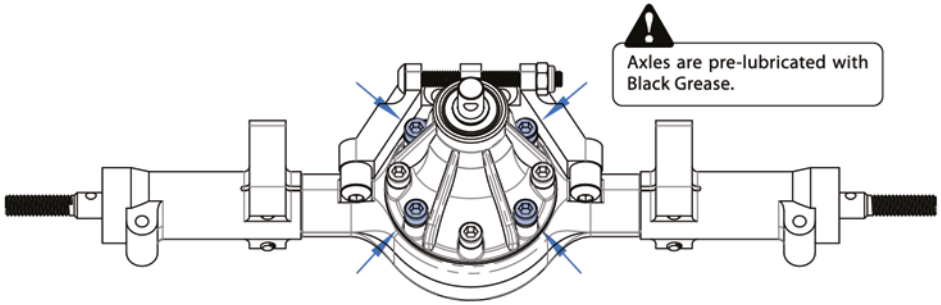


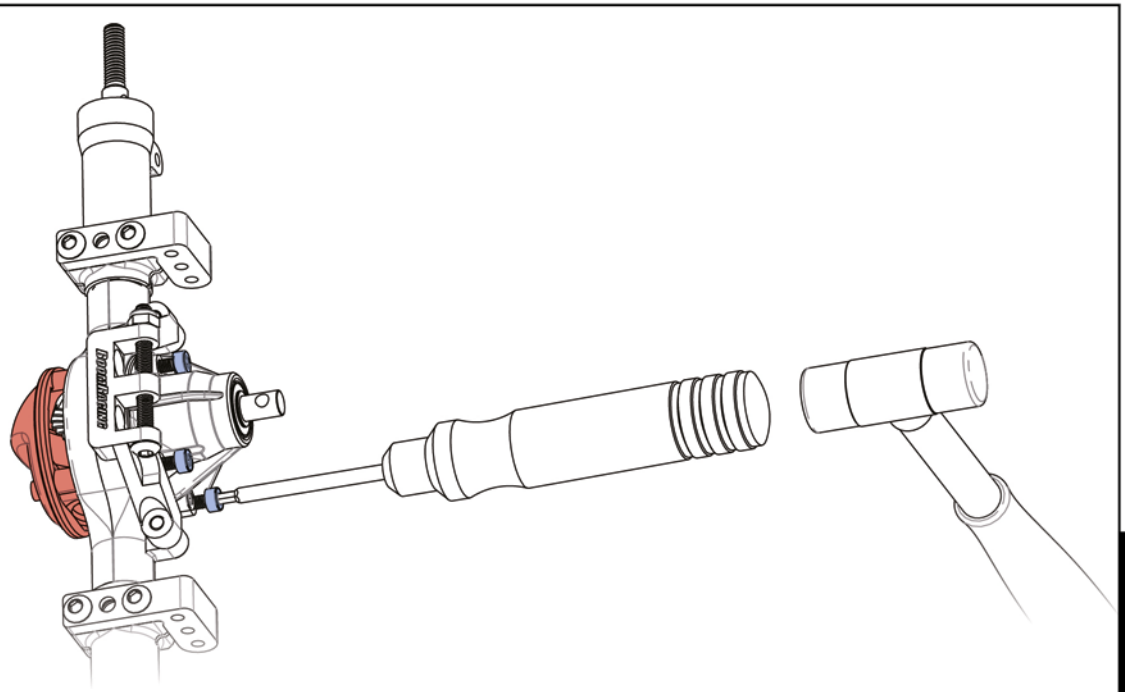
BODY MOUNTS


Lift the hinge before sliding the rear body mount into position.
The rear body mount will lock into place once the body is lowered.

BODY MOUNTS

Removing a Tight-Fitting Front Differential Cover

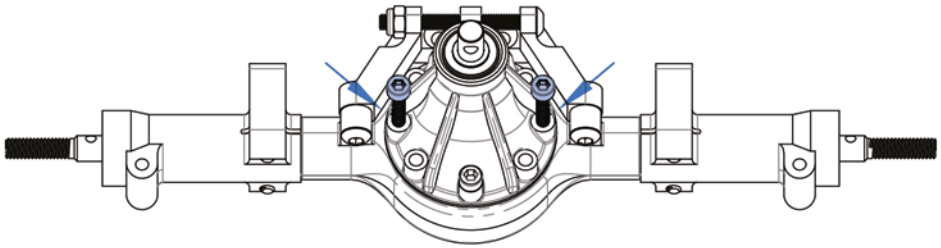


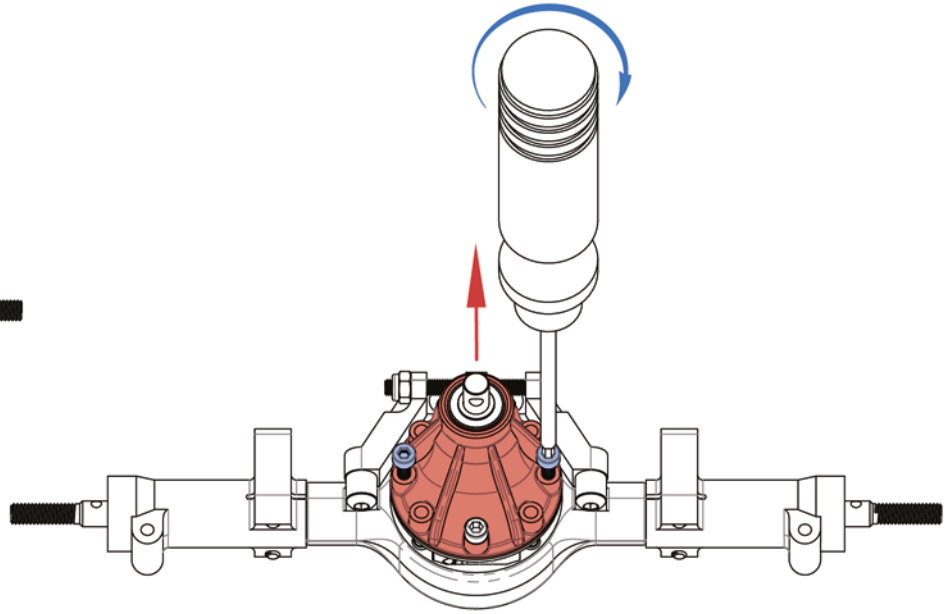


Step 1 - Loosen four M2.5x16mm socket screws indicated until the screw heads are approximately 3mm away from the housing.

Step 2 - Gently tap the loosened screws using a screwdriver and a small hammer to release the front differential cover.

Removing a Tight-Fitting Third Member





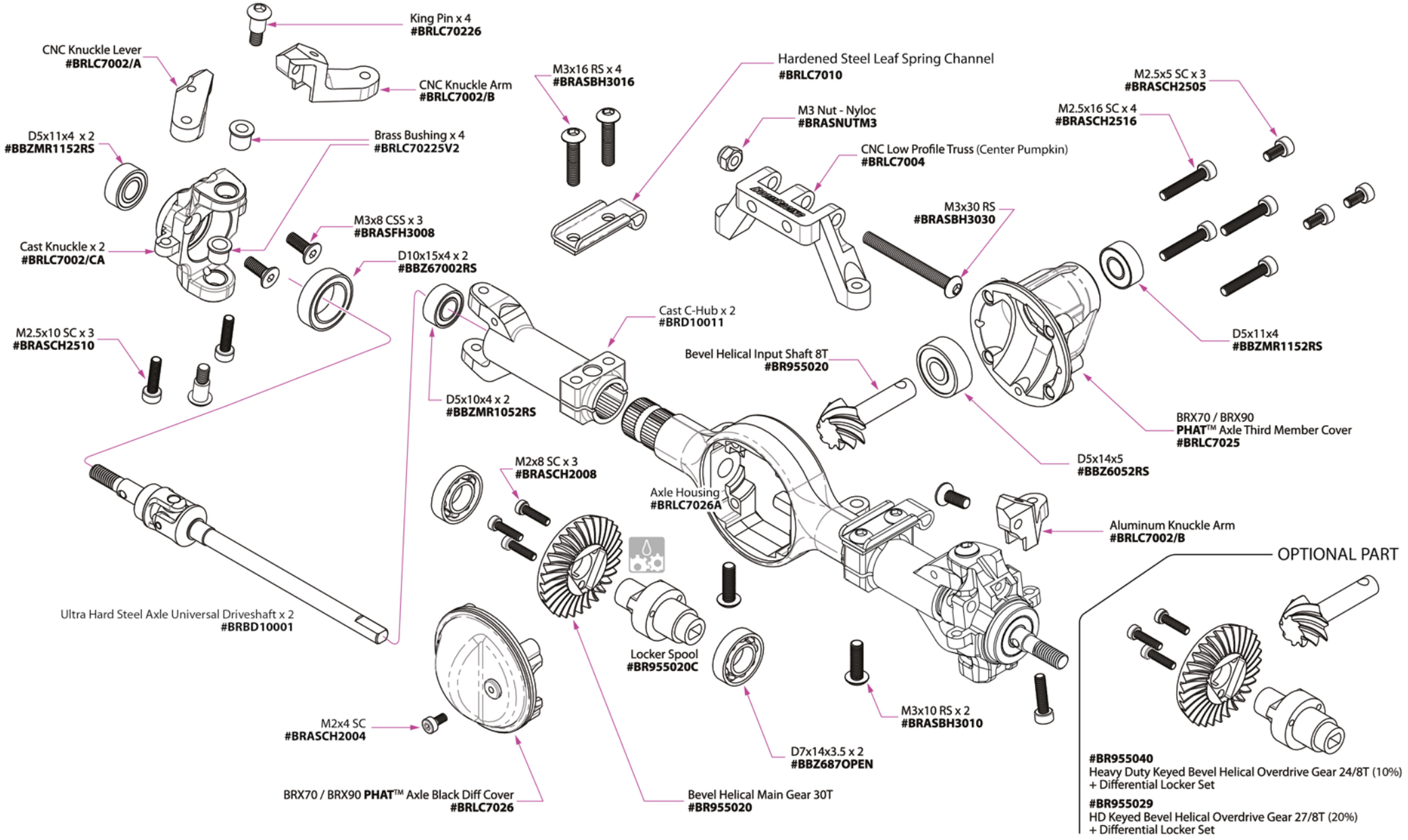
Step 1 - Remove all M2.5x16mm and two M2.5x5mm socket screws

Step 2 - Install one M2.5×16mm socket screw into each of the indicated left and right holes.

Step 3 - Gradually tighten the screws evenly until the third member releases.

PRE-ASSEMBLED FRONT AXLE

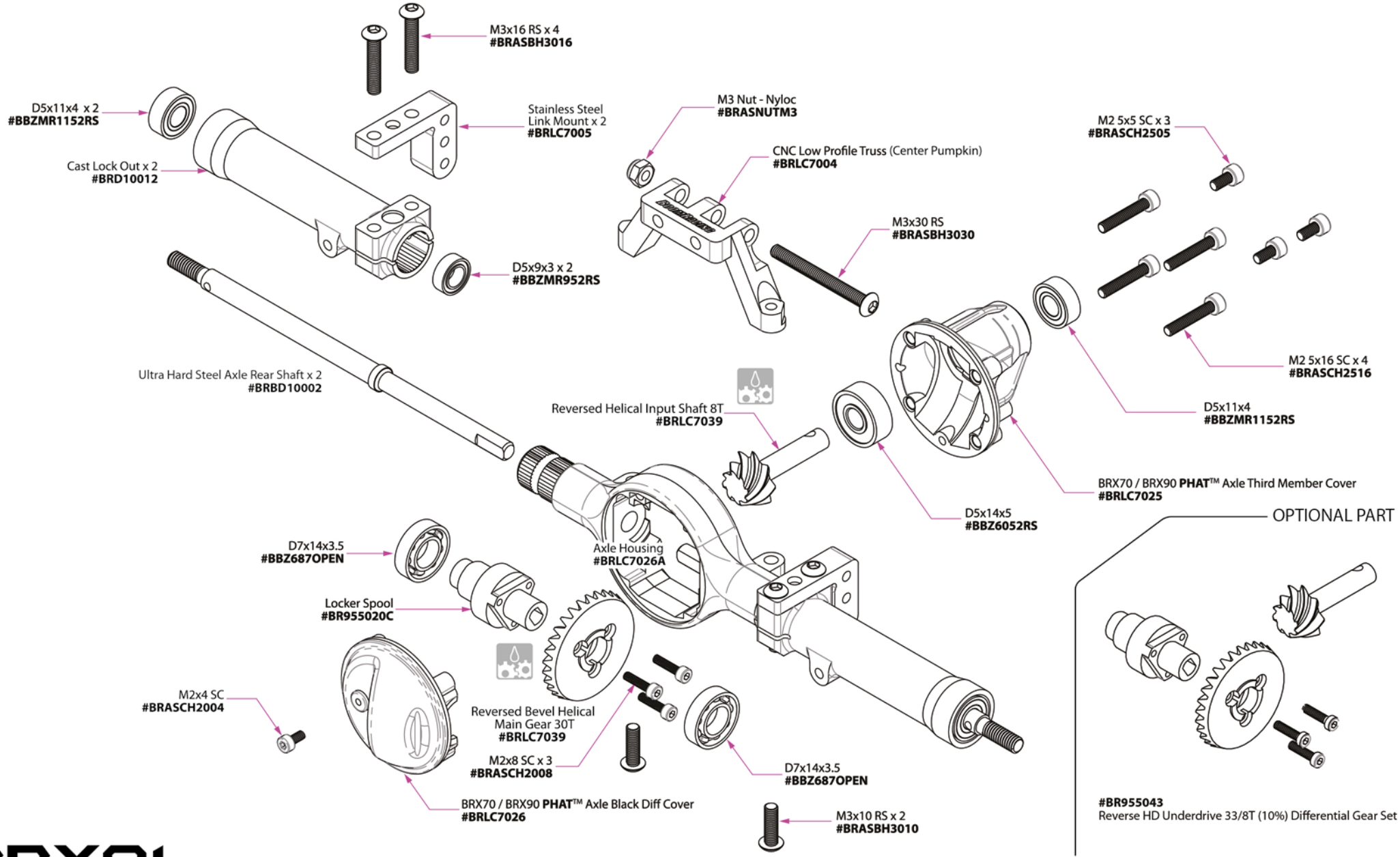
Apply a generous amount of Black Grease on all movable contact surfaces including gears, spacers, shafts and bearings.



PRE-ASSEMBLED PARTS

PRE-ASSEMBLED REAR AXLE

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



PARTS LIST

BOOMRACING® Your Radio Control Car Specialist

Part #	Description
BBZ6052RS	High Performance Rubber Sealed Ball Bearing 5x14x5mm
BBZMR1042RS	High Performance Rubber Sealed Ball Bearing 4x10x4mm
BBZMR1052RS	High Performance Rubber Sealed Ball Bearing 5x10x4mm
BBZMR1152RS	High Performance Rubber Sealed Ball Bearing 5x11x4mm
BBZMR1172RS	High Performance Rubber Sealed Ball Bearing 7x11x3mm
BRASBH2007	M2x7mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH2504	M2.5x4mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH2506	M2.5x6mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3006	M3x6mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3008	M3x8mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3010	M3x10mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3012	M3x12mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3014	M3x14mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3016	M3x16mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3018	M3x18mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3020	M3x20mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASBH3030	M3x30mm Round Head 12.9 Grade Nickel Plated Screws (10)
BRASCH1605	M1.6x5mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASCH2004	M2x4mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASCH2005	M2x5mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASCH2008	M2x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASCH2508	M2.5x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASCH2510	M2.5x10mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASCH3008	M3x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (10)
BRASEC30	E-clip 3mm (10)
BRASFH2005	M2x5mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASFH2508	M2.5x8mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASFH3006	M3x6mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASFH3008	M3x8mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASFH3010	M3x10mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASFH3012	M3x12mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASFH3018	M3x18mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)
BRASNUTM2	M2 Nut (5)
BRASNUTM3	Non-Flanged Nylon Lock Nut M3 (5)
BRASNUTM4	Non-Flanged Nylon Lock Nut M4 (5)

Part #	Description
BRASPIN210	Wheel Hex Pin (Steel) 2x10mm (10)
BRASSPD4705	Spacer D4x7x0.5 Stainless Steel (10)
BRASSPD471-2	Spacer Set D4x7x1 & D4x7x2 Aluminum Black (10)
BRASSPD5705	Spacer D5x7x0.5 Stainless Steel (10)
BRASSPD5801	Spacer D5x8x0.1 Stainless Steel (10)
BRASSPD5805	Spacer D5x8x0.5 Stainless Steel (10)
BRASST15X4	ST1.5x4mm Phillips Pan Head Self-Tapping Screws - Hardened Steel (10)
BRASST25X6	ST2.5x6mm Phillips Pan Head Self-Tapping Screws - Hardened Steel (10)
BRASST3003	M3x3 SS Set Screw (10)
BRASST3024/DS	M3 2.4x12 Steel Driveshaft Screw Pin (5)
BRASST3X12	ST3x12mm Phillips Pan Head Self-Tapping Screws - Hardened Steel (10)
BRASST4016	M4x16 SS Set Screw (10)
BRGRS10274-10	BADASS™ Silicone Grease 10g
BRGRS1055-10	BADASS™ Black Graphite Grease 10g
BRGRS242	242 Blue Thread Lock 10g
BRKD003-119	KUDU™ Heavy-Duty 110-135mm Steel CVD Center Drive Shaft
BRKD003-94	KUDU™ Heavy-Duty 84-99mm Steel CVD Center Drive Shaft
BRKSPRING-65Y	KUDU™ Shock Springs Hard (Yellow) 65mm (2)
BRLC70100	Mini Servo Mount Set for BRX01 (without Mini Servo)
BRLC70103	Aluminum Scale D-Ring Shackles & Mounts (2)
BRLC7011	BRX01 Aluminum Chassis Rail Left & Right (2)
BRLC7012	Aluminum Rear Crossmember
BRLC7013	Aluminum Rear Body Hinge Mount
BRLC7014	Aluminum Middle Crossmember
BRLC7015	Aluminum Front Crossmember
BRLC7016	Aluminum Steering Servo Mount for CMS Setup
BRLC70207	Switch Lever
BRLC70210	HD Steel Machined Gear Set for B2X™ SWD™ DIG Transfer Case
BRLC70218	Aluminum Front Offset Shock Towers L/R
BRLC7027	Aluminum Gearbox Adapter with Stainless Steel Motor Mount for BCF™ & BCF2™ Transmission
BRLC7029-12T	Heavy Duty 12T Gear
BRLC7029-15T	Heavy Duty 15T Gear
BRLC7029-20T	Heavy Duty 20T Gear
BRLC7030	HD Steel Spur Gear Mount
BRLC70301-B	Front Output Shaft

PARTS LIST

Part #	Description
BRLC70306	DIG / SWD™ Transfer Case Wire Cable for BRX01 & AWB
BRLC7031	28T Internal Spur Gear (32P) for BCF2 Transmission
BRLC7032	Steel Motor Spacer 1mm
BRLC7033A	Silicone Port
BRLC7040	3x6x5mm Aluminum Tapered Spacer (4)
BRLC7044B	Input Shaft
BRLC7044E	BCF2 Assembled 2-Speed Transmission Gear Set
BRLC7045B	Ultra-Hard Steel Shifter
BRLC7045C	Stainless Steel Shift Rod
BRLC7048B	Reinforced Steel Rear Body Mount for BRX01
BRLC7050	Stainless Steel Drag Link & Panhard Link Set w/ BADASS Rod Ends (2)
BRLC7055	Aluminum Long Low-Profile Servo Horn 25T
BRLC7056	12mm Aluminum Wheel Hex Adapters (8mm Wide) w/ Steel Pins & Set Screws (2)
BRLC7059	30CM JR Servo Extension (2)
BRLC7062	Tool-Free Aluminum Quick-Release Latch
BRLC7065C	Stainless Steel Updated Cross Bar (6mm) (2)
BRLC7074A	Aluminum Panhard Chassis Mount (Left) for BRX01 & AWB
BRLC7096AV2	Steel Stubby Bull Bar
BRLC7099D	Stainless Steel Slotted Skid Plate
BRLC7207-P	Guiding Shaft
BRLC7208	Rear Output Shaft
BRLC7209	High Efficiency Coupling Shaft Set
BRLC7210	KUDU™ High Clearance Bumper Kit V2 for BRX01
BRLC7212	Steel Front Bumper Mount (Left & Right)
BRLC7213	Aluminum Battery & Electronics Mount Plate
BRLC7214	Steel Side Slider (Left & Right) w/Rock Light Delete Covers
BRLC7214A	Nylon Rock Light Delete Covers (2)
BRLC7215	Universal Receiver Box Set w/ Silicone Seals
BRLC7216	BRX100 Front Straight PHAT™ Axle (Center Pumpkin) w/ AR44 HD Gears Link Version
BRLC7217	BRX100 Rear Straight PHAT™ Axle (Center Pumpkin) w/ AR44 HD Reversed Gears Link Version
BRLC7218	Stainless Steel Tie Rod for BRX100 PHAT™ Axle
BRLC7219	Stainless Steel High-Clearance Chassis Links Set (7) for BRX01 Pro Spec
BRLC7220	Reinforced Steel Front Body Mount for BRX01 with LC70

Part #	Description
BRPG3212-3	32P 12T / 3.175mm Steel Pinion Gear
BRPS125MIN	PYTHON™ 125Mini HV Waterproof Aluminum Mini Servo 125oz-in / 9kg-cm @ 8.4V
BRPT004+10	Steel Anti-Twist Bracket (10° Positive Caster) L & R
BRQ90351	D2 Ball & Rod End (2)
BRRM19104S	Rock Monster™ 1.9" Green Foam Insert 104x30mm / 4.09"x1.18" (2)
BRSH0090-SP	KUDU™ 90mm Coilover Scale Shock Absorbers (2)
BRSHJR	Pivot Ball Retainers for KUDU™ Shock Absorber (10)
BRSHK030	BADASS™ Silicone Shock Oil 30wt 60ml
BRSORD6-15	D6x1.5 O-Ring (10)
BRSSPIN2008	Carbon Steel Pin 2x8mm (10)
BRT10028	Tool Set (Socket 5.5mm/7mm, Wrench 5.5mm/5.0mm, Hex Key)
BRT10037	Cable Wiring Retainer (18)
BRT10053	KUDU™ Aluminum Pivot Ball Tool / Ball End Remover Tool
BRTR19017	LANDY CLASSIC™ 1.9" GEKKO Red 4.33"x1.52"/110x40mm Tires + Rock Monster™ Green Foam Insert (2)
BRW750306A	KUDU™ Heavy Duty Rust-Resistant M4 Nylon Rod Ends 18.5mm (Straight) w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750307D	KUDU™ Heavy Duty Rust-Resistant M4 Nylon Rod Ends 20.00mm (Upwards) w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750308C	KUDU™ Heavy Duty Rust-Resistant M4 Nylon Rod Ends 19.5mm (Sideways) w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750309B	KUDU™ Heavy Duty Rust-Resistant M4 Nylon Rod Ends 21.8mm (Straight) w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750310	BADASS™ Heavy Duty Stainless Steel End Pivot Balls 5.8x3x7.4mm (5)
BRW750310E	KUDU™ Heavy Duty Rust-Resistant M4 Nylon Rod Ends 23.7mm (Upwards) w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW780933GM	1.9" S200 Yota Steelie Reversible Beadlock Wheels w/ ProBuild™ XT504 V2 Hub - Gun Metal (2)
BRX020020	High-Clearance Aluminum Center Skid Plate Link Mount w/ Stainless Steel Plate
BRX020024	Axle Panhard Mount for BRX PHAT™ Axles
BRX020029	BCF2™ Gearbox Transmission w/ Bearing Holder Set
BRX020110	Gearbox Side Mount Left & Right
BRX02396S	Aluminum Fairlead Silver
BRX027033	Stainless Steel Panhard Bar
BRX027037	Aluminum SWD™ Transfer Case Housing
BRX027043	Internals for SWD™ Transfer Case
BRX027046	Aluminum Mini Servo Horn Set (Standard 25T Spline)

PARTS LIST (Optional Accessories)

Part #	Description
Power & LEDs	
BRTLB008	KUDU™ LED Light Module System for BRX01 Killerbody Toyota LC70
BRTLB145	KUDU™ LED Light Bar 145mm
BRTLB50	KUDU™ LED Light Bar 50mm
BRTLB95	KUDU™ LED Light Bar 95mm
BRX027056	11.1V 3200mAh 90C Graphene 3S LiPo Battery
Drivetrain & Gears	
BR-G200	BCF™ Compact Front-Mounted Single-Speed Scale Transmission Gearbox Set
BR955029	HD Overdrive 27/8T Differential Gear Set
BR955040	HD Overdrive 24/8T Differential Gear Set
BR955043	Reverse HD Underdrive 33/8T Differential Gear Set
BRLC70201-GEAR	Overdrive Transfer Case Gear Set
BRPG3209-3	32P 9T Steel Pinion Gear
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
BRX02374	B2X™ Anti-Torque Twist Transfer Case Kit
Axles & Accessories	
BRD9024	Brass Rear Lockout Base Weight for PHAT™ Axle
BRLC7002	Aluminum Knuckle for BRX PHAT™ Axle
BRLC7086F	Front Axle Skid Plate
BRLC7086R	Rear Axle Skid Plate
BRLC7088	XT Differential Cover
BRLC7089	Brass Front Knuckle Base Weight for BRX PHAT™ Axle
BRLC7091	Brass Large Weight Blocks
BRLC7092	Brass Small Weight Blocks
BRLC70101-DIG	DIG Transfer Case Kit for BRX01 & BRX01 AWB
BRPT004	Steel Anti-Twist Bracket 0 Deg
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
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

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

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Part #	Description
Tires & Wheel Accessories	
BRPROB-21	ProBuild™ Brass Clamp Ring 69g
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)
BRW780909/COVERF	Steelie Aluminum Front Center Wheel Cap XT5 Hubs
BRW780909/COVERR	Steelie Aluminum Rear Center Wheel Cap for XT5 Hubs
BRW780921GD	Scale 4WD Aluminum Center Locking Wheel Cap (2) for XT5 Hubs Gold
BRW780921R	Scale 4WD Aluminum Center Locking Wheel Cap (2) for XT5 Hubs Red
BRW780923	S100/S200 Scale Center Wheel Cap (2) for XT5 Hubs Black
BRW780923PL	S100/S200 Scale Center Wheel Cap (2) for XT5 Hubs Platinum
BRW780923S	S100/S200 Scale Center Wheel Cap (2) for XT5 Hubs Silver
BRW780925BK	Spectre Aluminum Center Wheel Cap (2) for XT5 Hubs Black
BRW780925S	Spectre Aluminum Center Wheel Cap (2) for XT5 Hubs Silver
BRW780926BK	Spin Force Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Black
BRW780926CR	Spin Force Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Chrome
BRW780926FS	Spin Force Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Flat Silver
BRW780926GM	Spin Force Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Gun Metal
BRW780926PL	Spin Force Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Platinum
BRW780927BK	Street Mag Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Black
BRW780927CR	Street Mag Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Chrome
BRW780927FS	Street Mag Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Flat Silver
BRW780927GM	Street Mag Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Gun Metal
BRW780927PL	Street Mag Classic Aluminum Center Wheel Cap (2) for XT5 Hubs Platinum
BRW780944	Retro Nylon Center Wheel Cap (4) for XT5 Hubs w/ Tool
BRW780947	Dome Aluminum Center Cap (2) Chrome for XT5 Hubs
BRPROB-03LW	ProBuild™ 1.9" Delrin Lightweight Beadlock Center Clamp Ring 21.5mm (1)
BRPROB-03PER	ProBuild™ 1.9" Performance Delrin Ultra Lightweight Beadlock Center Clamp Ring 21.5mm (1)
BRPROB-21	ProBuild™ 1.9" Low-Profile Brass Center Clamp Ring 21.5mm (69g) 1pc
BRW780935	ProBuild™ 1.9" Brass Slotted Center Clamp Ring w/ Adjustable Lead Weight Set (69g to 199g) 2pcs
BRW780935A	Lead Weights for Brass Center Clamp Ring BRW780935 (130g) 20pcs
BRW780935B	ProBuild™ 1.9" Brass Slotted Center Clamp Ring (69g) 2pcs Black
BRW780935D	Wide Rubber Band for Brass Center Clamp Ring 25mm (2)
BRW780956	ProBuild™ 1.9" Gravity™ Center Clamp Rings (150g Each) 2pcs
Winch & Accessories	
BR-36SW	Muscle Winch™ 500oz Servo Winch
BR-40SW-3S	Muscle Winch™ 555oz Servo Winch
BRLC7200	Muscle Winch™ Servo Mount Kit for BRX01
LC70 Body Accessories	
BRLC7085	B3D™ Rear Skid Plate for BRX01 LC70 Body
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


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