SCALE 4WD Series

BOLT-ON KIT
PARTIAL ASSEMBLY REQUIRED

RECON G6

The Official Scale Performance Chassis of the RECON G6

BOOMRACING®
Your Radio Control Car Specialist

BRX02

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

109



www.EnjoyBeingABadass.com

INSTRUCTION MANUAL
VERSION 2.0

THE SCALE PERFORMANCE CONTINUES

Congratulations on your new BRX02 109 chassis.

Before you begin building, we want to thank you for choosing Boom Racing. Being R/C hobbyists ourselves, we are constantly evolving to add value to the R/C community by making quality, fun-to-build, and high-performance products that we ourselves enjoy. We feel extremely blessed to be in a position to manufacture products for hobbyists like you. Without your support, we wouldn't be able to do what we do. So thank you, and, if this is your first BRX chassis, welcome to the Boom Racing family. Now relax and enjoy the build!

As a start, we would like to introduce you to your customized license plates and Vehicle Identification Number (VIN) system to identify your vehicle, which are both uniquely yours. All BRX02 109 chassis kits are numbered with matching license plates, and all BRX chassis have unique VINs.

As the registered owner, you are eligible to receive a special promotion at any events hosted or attended by Boom Racing. Once your vehicle is registered online (https://www.boomracing.com/vehicleregistration), the chassis is officially registered to you and no one else can claim it.

Any future events such as recalls, maintenance-related issues, and promotional offers including priority pre-orders and giveaways will be notified if registered. Once registered, vehicle logs will be kept. New vehicle owners will be able to view the histories of their pre-owned vehicles. Vehicle ownership can be transferred from the registered owner to the new owner directly on our website.

Included with your BRX02 109 chassis kit is a set of classic UK license plates. The plates consist of two groups of alphanumeric characters. From left to right, the characters consist of:

- The first three characters signify the **BRX**02 109 chassis
- The next number matches your chassis number. Starting from the numerical value 1, this number uniquely identifies each vehicle
- The last letter identifies the chassis type - **L** for 109 / **S** for 88



Scan to register your BRX02 109





REAR

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 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 line of scale based 4WD R/C products geared towards realistic appearance.

AGE 14+

⚠ NOT RECOMMENDED FOR CHILDREN UNDER 14 ⚠

THIS CHASSIS KIT IS NOT A TOY. FIRST-TIME BUILDERS 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 BRX02 109 is a truly special experience.
Carefully read and follow all instructions to prevent serious damage to your model. Failure to follow these instructions will be considered abuse and/or neglect.
Study the instructions thoroughly before assembly.
There are many small screws, nuts and similar parts. Assemble them carefully referring to the drawings. Follow the steps exactly as shown to build the vehicle correctly without issues.
If you decide to return the BRX02 109, do not begin assembly. Your hobby dealer will not accept a model for return or exchange after you have started assembly.
Boom Racing offers Spare Parts & Upgrade Options for improved performance. Visit our website (https://www.boomracing.com) or your local Boom Racing dealer for assistance. Please note that specifications, availability and price are subject to change without notice.

SAFETY PRECAUTIONS

All of us here at Boom Racing want you to enjoy your new vehicle. Operate your BRX02 109 sensibly and with care, and it will be exciting, safe and fun for you and those around you. Failure to operate your BRX02 109 in a safe and responsible manner may cause damage and injury and void your warranty.

Follow these outlined rules for safe radio control operation

- Read carefully and fully understand the instructions before assembly.
- ***This model is not intended for use by children (minors) under 14 years of age without the supervision of a responsible and knowledgeable adult who should also read the instructions.***
- When assembling this kit, extra care should be taken to avoid personal injury. Keep out of reach of small children.
- Avoid running the vehicle in crowded areas and near small children.
- BRX02 109 can be very fast and quiet. It could cause injury to those unaware of its presence.

Inspect Your BRX02 109 Before and After Operation

- Make sure that all screws and nuts are properly tightened.
- Use thread lock on screws for any metal on metal surface.
- Adjust steering servo and trim so that the BRX02-109 runs straight with transmitter in neutral.
- Disconnect/remove all batteries after operation.
- Replace any batteries that have been dented, are bloated, or have frayed wires, short circuits can cause fire.
- Completely remove sand, mud, dirt etc after use to prolong the life of the BRX02-109.
- Maintain bearings by cleaning or replacing them regularly.

WARRANTY

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

WHO IS COVERED

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

FACTORY LIMITED WARRANTY

What Is Covered and For How Long

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

What Is Not Covered

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

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

What We Will Do

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

What We Will Not Do

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

What To Do To Obtain Warranty Service

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

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

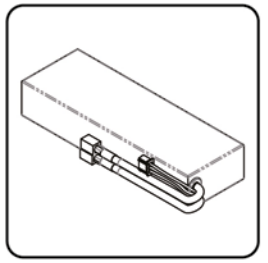
   You may be asked to complete a warranty service request form. A copy of your purchase receipt may be required.
2. Our Customer Support may ask you to return and ship the defective product back to us. Label and ship the product, freight prepaid, to the address provided by Boom Racing; and
3. Place any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

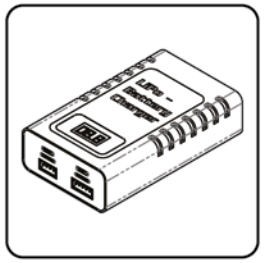
Equipment Required



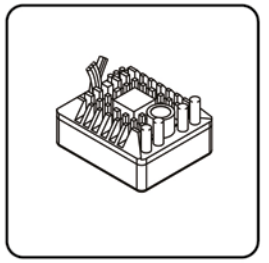
3CH Radio



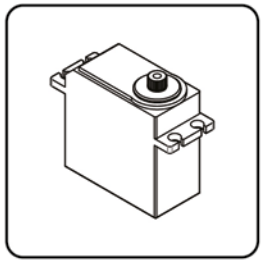
Battery



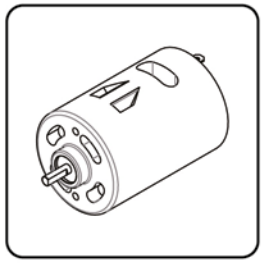
Charger



ESC

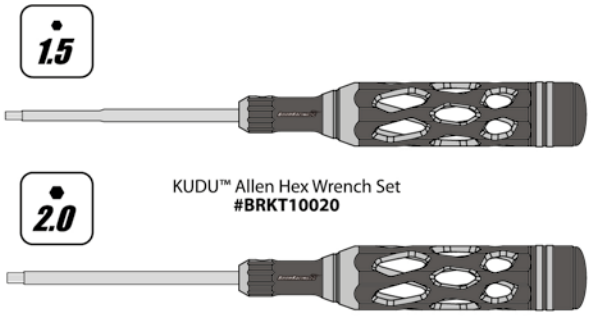


Steering Servo



540/550 Motor

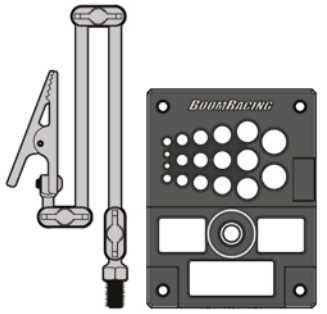
Tools Recommended



KUDU™ Allen Hex Wrench Set
#BRKT10020



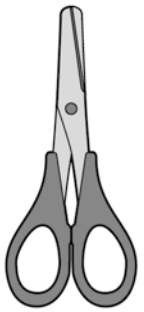
Shock Slime Grease 5g
#BRGRS09-5GB



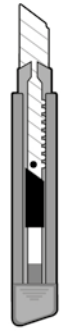
Multifunctional Soldering Jig
#BRT10058



Multipurpose Shock Pliers
#BRT10065



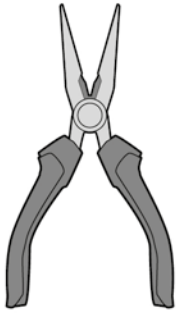
Scissors



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
Apply thread lock to places shown by this mark.
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



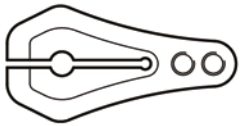
Item not included.



Pay attention to note on page.

BOOMRACING® Your Radio Control Car Specialist

1



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

2

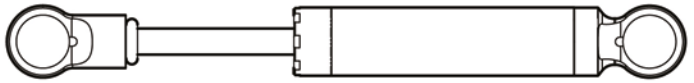


Shock End Pivot x 8
#BRW750310



Joint Retainer x 10
#BRSHJR

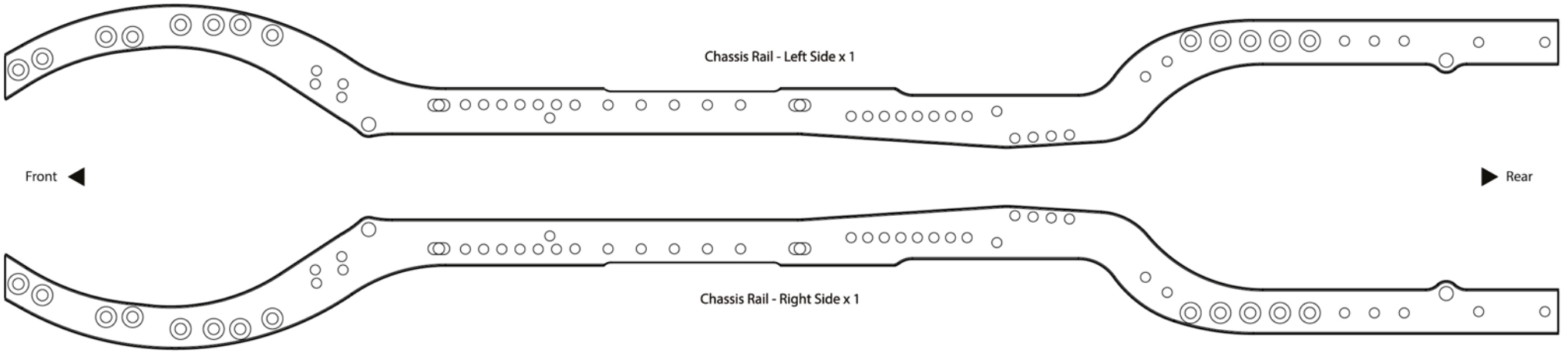
3



KUDU™ 80mm Scale Shock Absorber x 4
#BRSH0080

4

#BRX020114



5



Front Anti-Wrap Bar x 2
#BRX020027

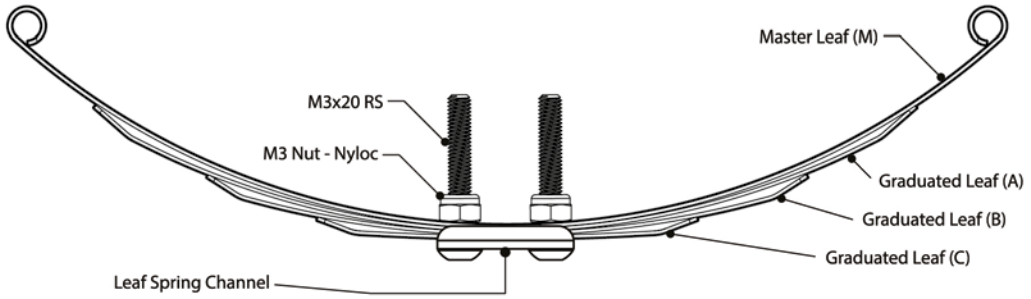
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Brass Washer x 4
#BRX020030

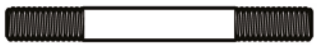
7

#BRLC7064A



4 sets

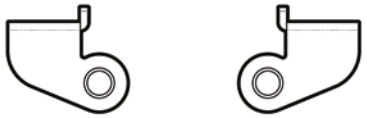
8



Stainless Steel M4x40 Anti-Wrap Bar x 2
#BRLC7064C

9

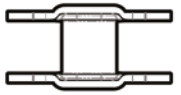
#BRX020064B



Front Leaf Retainer - Left x 1

Front Leaf Retainer - Right x 1

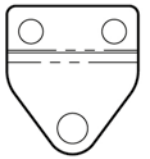
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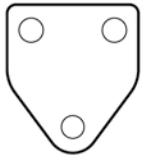
Leaf Spring Shackle Type-B x 4
#BRX020064A

11

#BRLC7064F

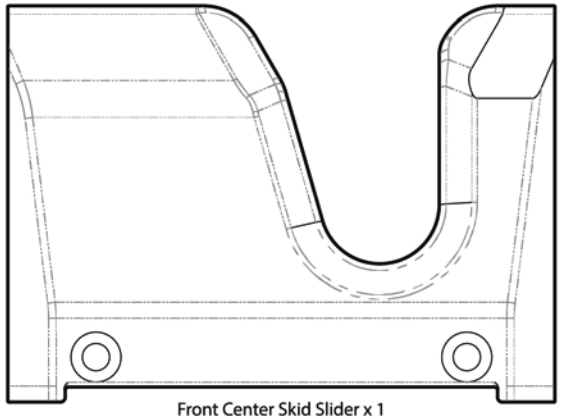


Rear Leaf Retainer - Outside x 2



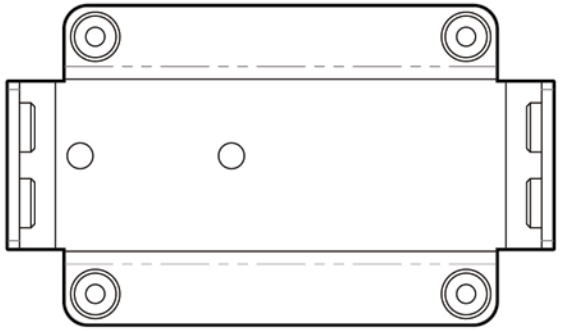
Rear Leaf Retainer - Inside x 2

12



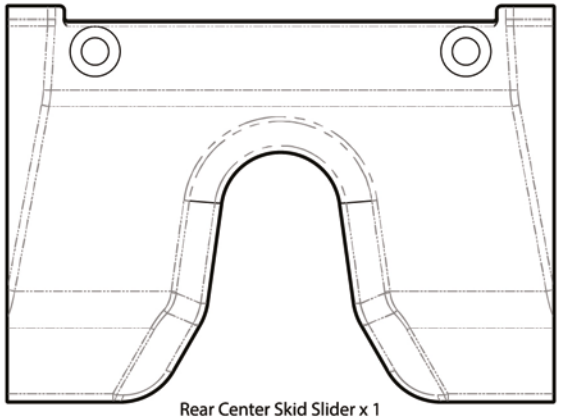
Front Center Skid Slider x 1
#BRX020107F

13



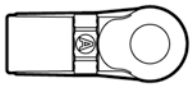
Center Skid Plate x 1
#BRX020020LF

14

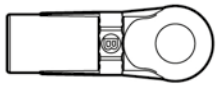


Rear Center Skid Slider x 1
#BRX020107R

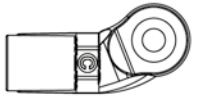
13



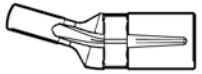
KUDU™ Nylon Rod End (Straight 18.5mm) x 4
#BRW750306A



KUDU™ Nylon Rod End (Straight 21.8mm) x 2
#BRW750309B



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



KUDU™ Nylon Rod End (Upwards 20.0mm) x 1
#BRW750307D

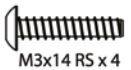


BADASS™ Stainless Steel Pivot Ball x 8
#BRW750310



D2 Ball & Rod End x 1
#BRQ90351

15 A CHASSIS



M3x14 RS x 4
#BRASBH3014/ST



M3x12 RS x 6
#BRASBH3012



M3x10 RS x 11
#BRASBH3010



M3x8 RS x 4
#BRASBH3008



M3x6 RS x 2
#BRASBH3006



M2.5x4 RS x 8
#BRASBH2504



M3x10 CSS x 28
#BRASFH3010



M3x6 CSS x 4
#BRASFH3006



M2x4 SC x 4
#BRASCH2004



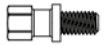
M3x4 SS x 2
#BRASST3004



M3x3 SS x 4
#BRASST3003



M3 Nut - Nyloc x 2
#BRASNUTM3



M3x5 Hex Cap Screw x 2
#BRASHS3005

15 B LEAFS / SHOCKS



M3x24 RS x 3
#BRASBH3024



M3x16 RS x 8
#BRASBH3016



M3x14 RS x 1
#BRASBH3014



M3x10 RS x 1
#BRASBH3010



M4x16 SS x 2
#BRASST4016



3x6x3 Tapper Spacer x 8
#BRLC7041



D4x7x1 Stainless Steel Spacer x 2
#BRASSP471



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



M3 Nut - Nyloc x 1
#BRASNUTM3

15 C LEAF SPRINGS



M3x22 RS x 2
#BRASBH3022



M3x12 RS x 4
#BRASBH3012



M3 Nut - Nyloc x 20
#BRASNUTM3



M2.5 Nut x 2
#BRASNUTM25

M3x8 RS x 2
#BRASBH3008

M2.5x14 RS x 2
#BRASBH2514

D6x1.5 O-Ring x 8
#BRSORD6-15

3x6x3 Tapper Spacer x 2
#BRLC7041

M3x14 Bolt x 12
BRLC7064E

D4x7x1 Nylon Spacer x 4
#BRASSPD471/N

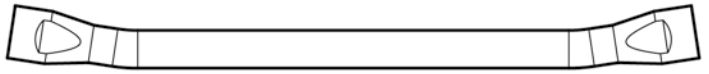
15 D WHEELS

M4 Nuts - Nyloc x 4
#BRASNUTM4

D4x7x2 Steel Spacer x 4
#BRASSP472

D2x10 Pin x 4
#BRASPIN210

16



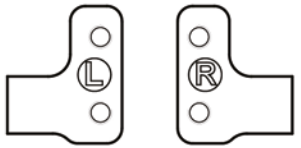
Stainless Steel Tie Rod x 1
#BRD8022A

17



Fine Tunable Link - 55mm **x 1**
#BRLC7050

18



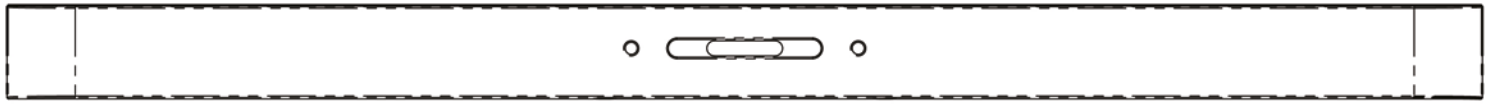
Steering Servo Mount x 2
#BRX020108

19

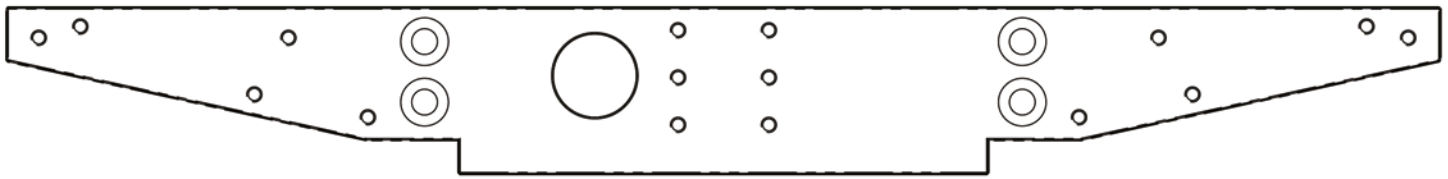


Body Latch Pin x 4
#BRX020034

20



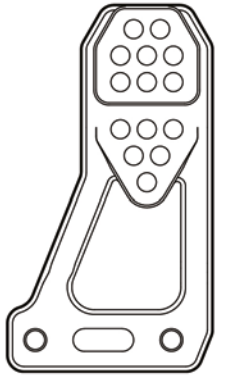
Front Bumper x 1
#BRX020109F



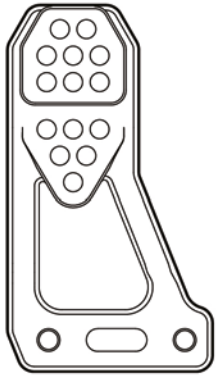
Rear Bumper x 1
#BRX020109R

21

#BRX020018F

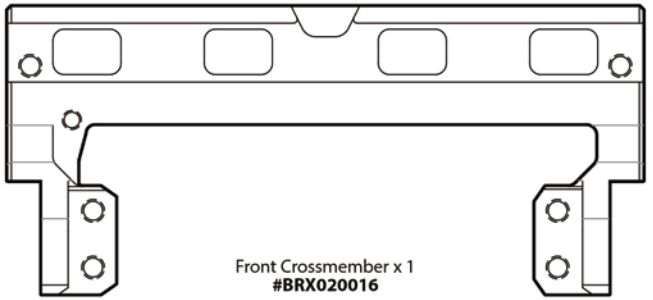


Front Shock Mount - Left x 1



Front Shock Mount - Right x 1

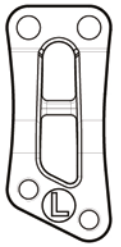
22



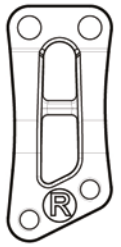
Front Crossmember x 1
#BRX020016

23

#BRX020110

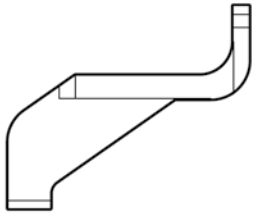


Side Gearbox Mount
- Left x 1



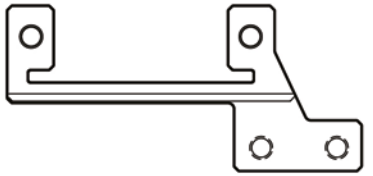
Side Gearbox Mount
- Right x 1

24



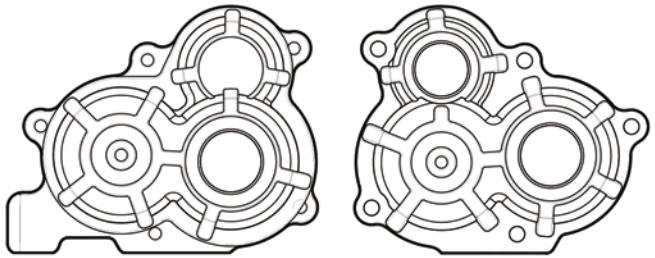
Rear Gearbox Mount x 1
#BRX020017

25



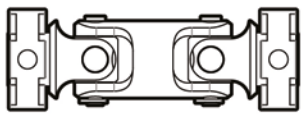
Mini Servo Mount x 1
#BRX020009

26



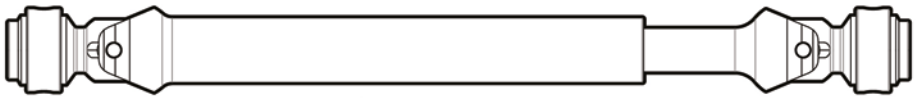
B2X™ Transfer Case Housing x 1
#BRX020111

27



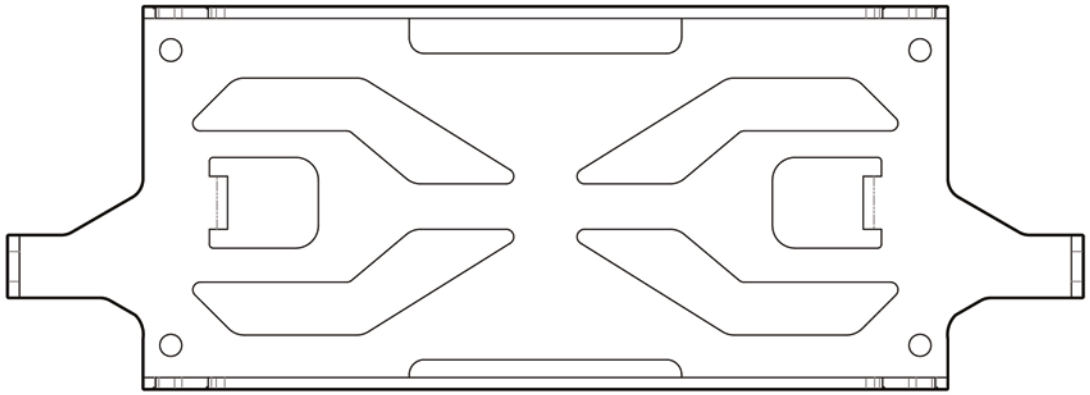
Badass™ Heavy Duty Steel
Connection Drive Shaft (33mm) x 1
#BRBD955003J

28



KUDU™ HD CVD Center Drive Shaft x 2
#BRX020043

29



Battery Tray x 1
#BRX020021

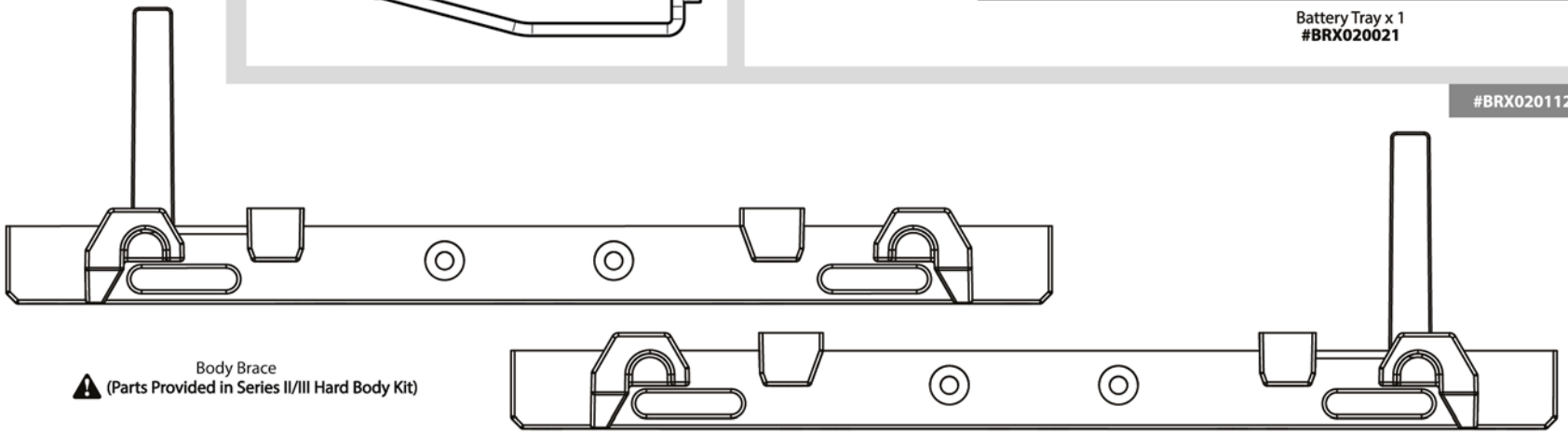
30



Shift Rod x 1
#BRX020051

31

#BRX020112



Body Brace
⚠ (Parts Provided in Series II/III Hard Body Kit)

34

#BRX020113



S3 Rear Bumperette x 2

32



Body Post x 4
#BRX020039

33



Quick Release Body Latch x 2
#BRX020061

35



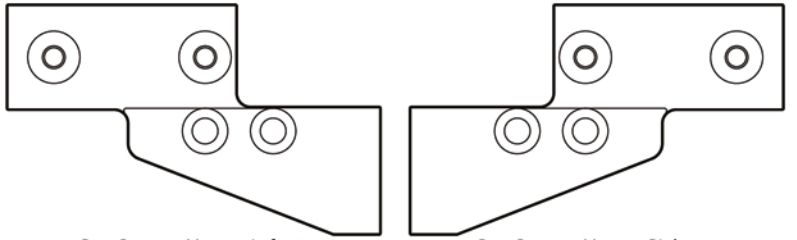
Mid Crossmember x 1
#BRX020014

36



Rear Crossmember x 1
#BRX020012

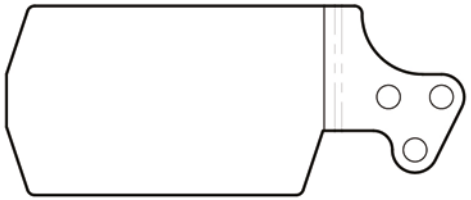
39 **#BRX020019**



Rear Bumper Mount - Left x 1

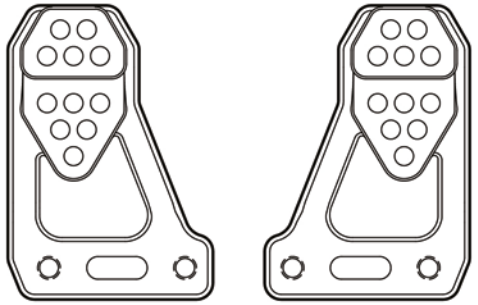
Rear Bumper Mount - Right x 1

37



ESC Mount Bracket
#BRX020106

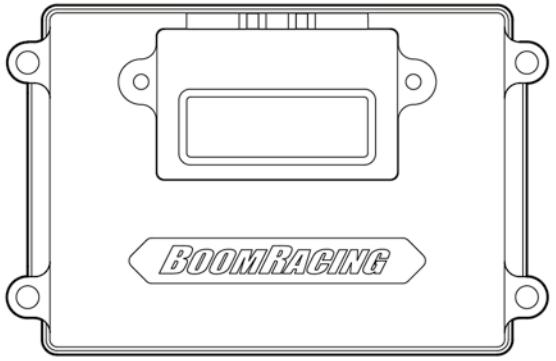
38 **#BRX020018R**



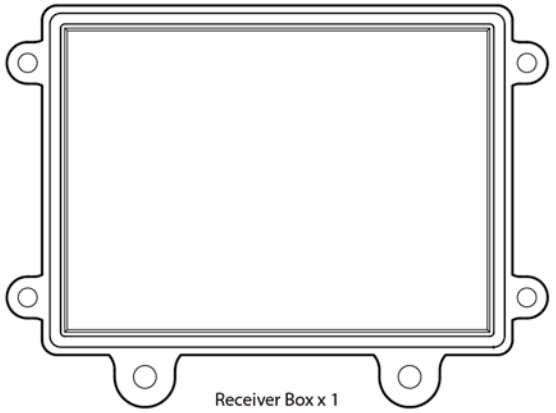
Rear Shock Mount - Left x 1

Rear Shock Mount - Right x 1

40 **#BRLC7033**



Receiver Box Lid x 1



Receiver Box x 1

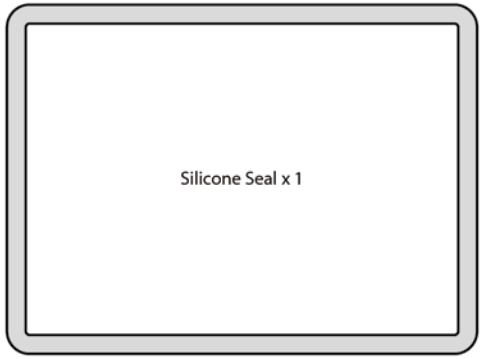


Stainless Steel Sealing Plate x 1

#BRLC7033A

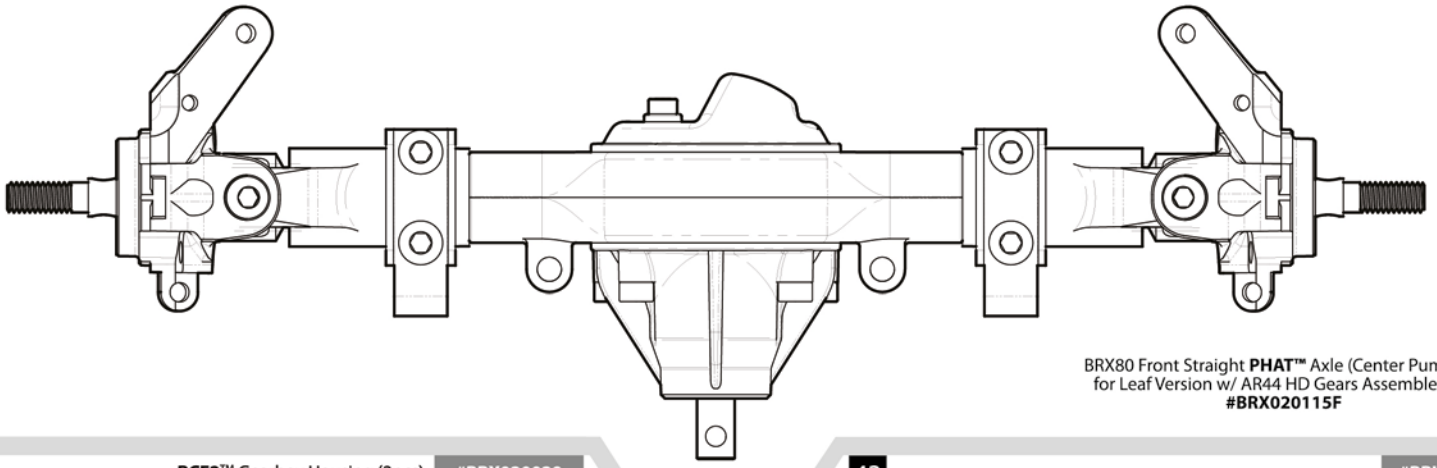


Silicone Port x 1



Silicone Seal x 1

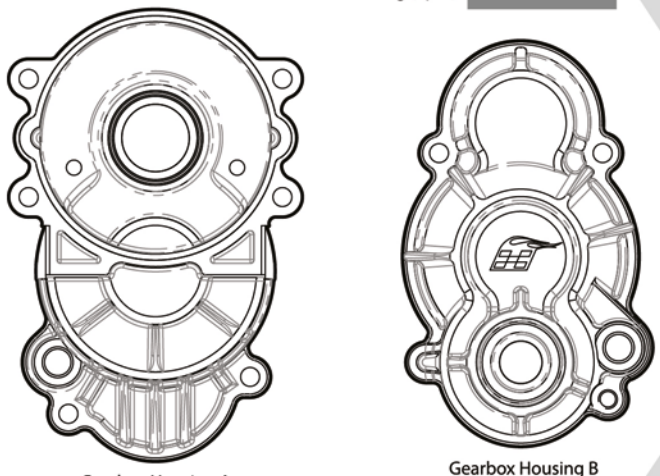
41



BRX80 Front Straight **PHAT™** Axle (Center Pumpkin) for Leaf Version w/ AR44 HD Gears Assembled x 1
#BRX020115F

42

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

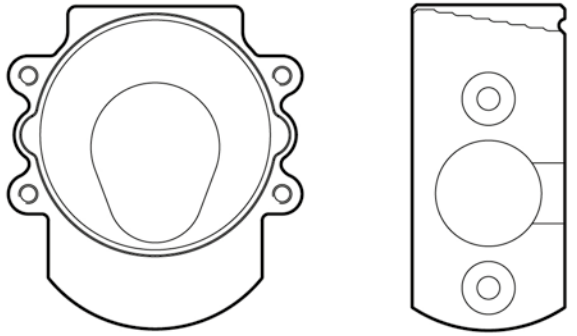


Gearbox Housing A

Gearbox Housing B

43

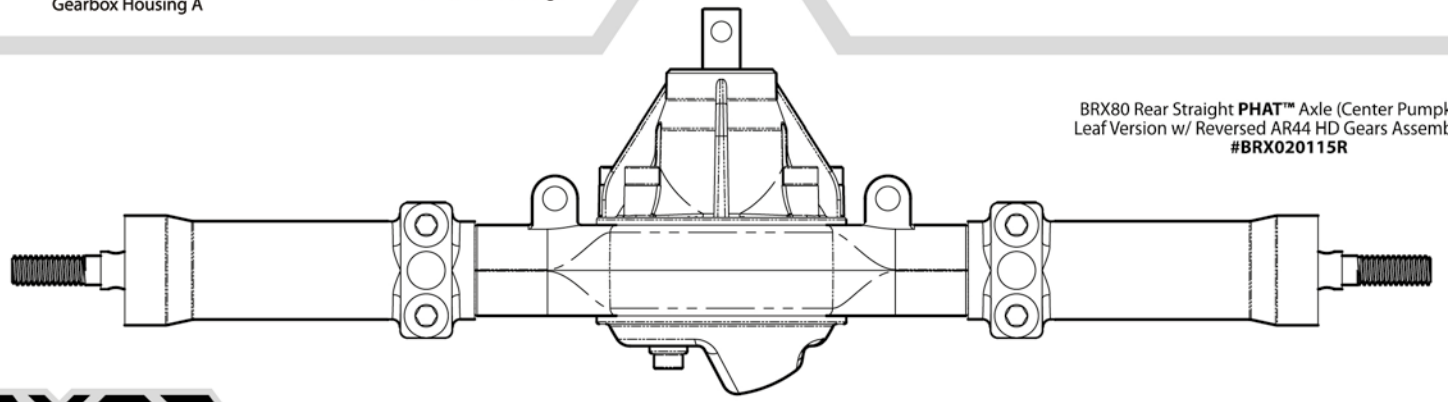
#BRLC7027V2



Gearbox Adapter x 1

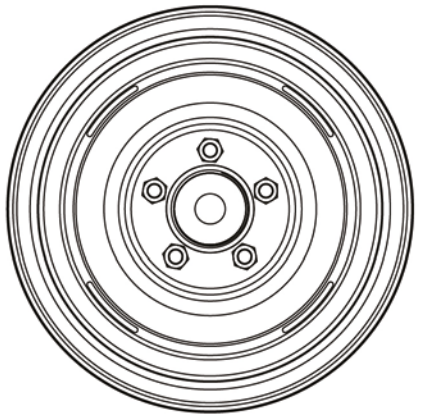
Stainless Steel Motor Mount x 1

44



BRX80 Rear Straight **PHAT™** Axle (Center Pumpkin) for Leaf Version w/ Reversed AR44 HD Gears Assembled x 1
#BRX020115R

45



SLR™ 1.9 Classic Steel Wheel x 4
w/ Cap and Scale Hardware

45

#BRW780944

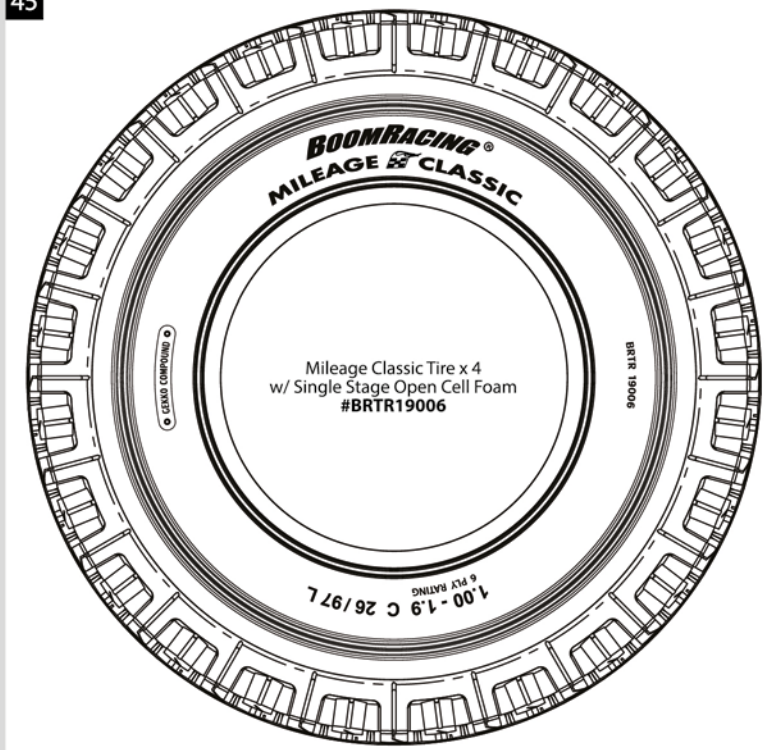


Wheel Caps installation Tool x 1



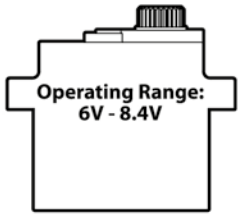
Nylon Wheel Caps x 4

45



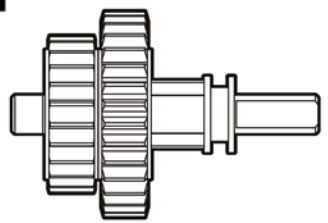
Mileage Classic Tire x 4
w/ Single Stage Open Cell Foam
#BRTR19006

46



JX Waterproof HV Mini Servo x 1
#JX/PDI-HV1151MG

47



2-Speed Gear Unit x 1
#BRLC7044E



Spur Gear Mount x 1
#BRLC7030



Spur Gear 20T x 2
#BRLC7029-20T



Bearing Holder x 1
#BRX020029A

47 E GEARBOX / TRANSFER CASE



M3x8 SC x 2
#BRASCH3008



M2.5x10 SC x 4
#BRASCH2510



M2.5x8 SC x 9
#BRASCH2508



M2x8 SC x 5
#BRASCH2008



M3x10 CSS x 1
#BRASFH3010



M3x6 CSS x 1
#BRASFH3006



M2.5x8 CSS x 1
#BRASFH2508



M2x5 CSS x 4
#BRASFH2005



M3x8 RS x 4
#BRASBH3008



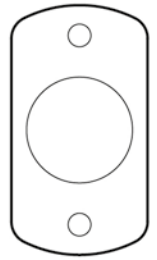
M3/2.2x11 SS x 4
#BRASST3022/DS



M3/2.4x12 SS x 2
#BRASST3024/DS



D2x8 Pin x 2
#BRASPIN208



Motor Spacer x 1
#BRLC7032



D5x8x0.1 Spacer x 5
#BRASSPD5801



D5x8x0.5 Spacer x 9
#BRASSPD5805



D5x7x3 Spacer x 1
#BRASSPD5703



E-Clip x 2
#BRASEC30



E-Clip x 1
#BRASEC40



9T 32P Pinion Gear
#BRPG3209-3

47 F RECEIVER BOX



M3x10 RS x 2
#BRASBH3010



M3x8 RS x 4
#BRASBH3008



M2.5x6 RS x 2
#BRASBH2506

47 G BODY MOUNTS



M3x14 RS x 4
#BRASBH3014

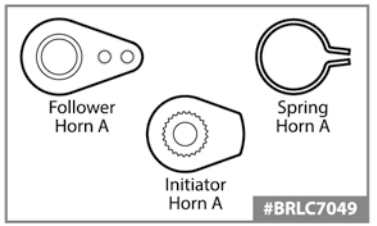


Slider Spacer x 4
#BRX020035



Ø5mm Spring x 4
#BRASSPRING05510

47 H SERVOS



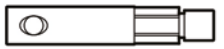


M3x6 RS x 8
#BRASBH3006



M2x8 SC x 3
#BRASCH2008

47 I GEARS, SHAFTS & BEARINGS - TRANSFER CASE



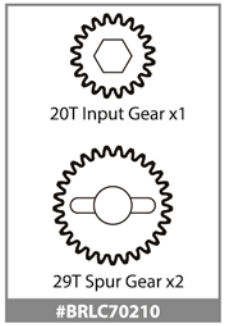
Input Shaft x1
#BRLC7207



Rear Output Shaft x1
#BRLC7208



Front Output Shaft x1
#BRLC70201-B





D5x14x5 Ball Bearing x 4
#BBZ6052RS



D4x10x4 Ball Bearing x 1
#BBZMR1042RS

D5x10x4 Ball Bearing x 1
#BBZMR1052RS

47 J GEARS, SHAFTS & BEARINGS - GEAR BOX

Spur Gear 12T x 1
#BRLC7029-12T

D7x11x3 Ball Bearing x 1
#BBZMR1172RS

Shift Shaft x 1
#BRLC7045C

Input Shaft x 1
#BRLC7044B

Internal Spur Gear 28T x 1
#BRLC7031

Spur Gear 15T x 1
#BRLC7029-15T

D5x11x4 Ball Bearing x 7
#BBZMR1152RS

Output Shaft x 1
#BRLC7044C

Shifter x 1
#BRLC7045B

47

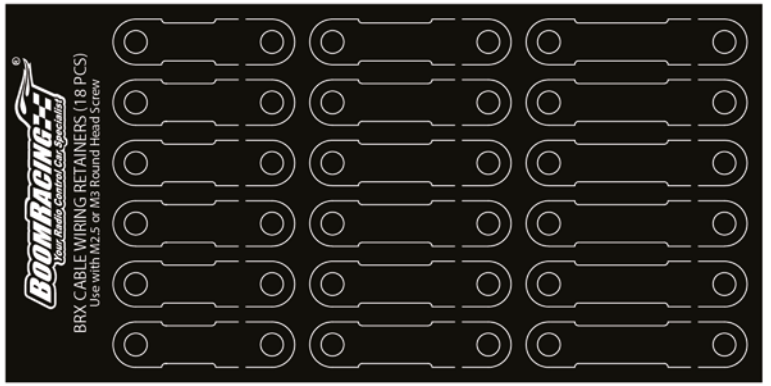


Extension Cable x 2
#BRLC7059

47

10 x 1.5cm Double Side Tape x 1

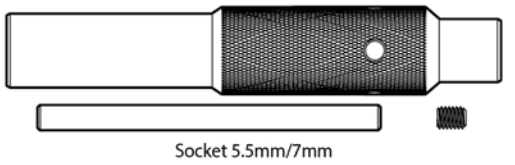
47



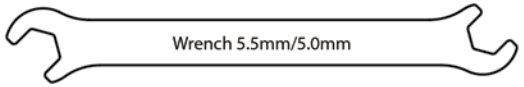
Cable Wiring Retainers
#BRT10037

47

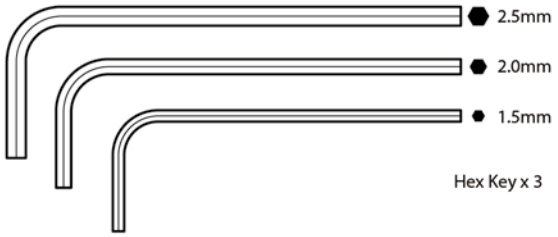
#BRT10028



Socket 5.5mm/7mm



Wrench 5.5mm/5.0mm

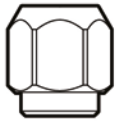


Hex Key x 3



3.0mm Scale Socket
Thumb Driver x 1
#BRPROB-17

#BRT10053



Pivot Ball Tool x 1



M3x18 RS x 1
#BRASBH3018

47



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

1 - CHASSIS RAIL

Parts Needed:

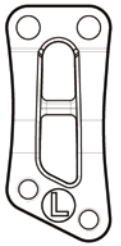


Body Latch Pin x 4
#BRX020034

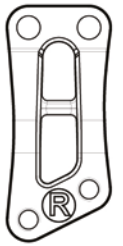


Body Post x 4
#BRX020039

#BRX020110

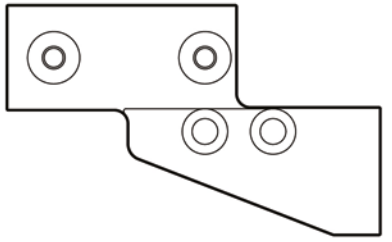


Side Gearbox Mount - Left x 1

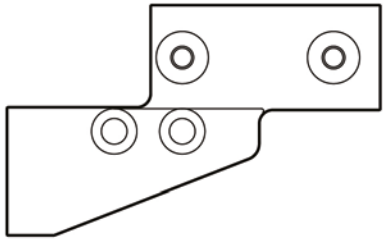


Side Gearbox Mount - Right x 1

#BRX020019

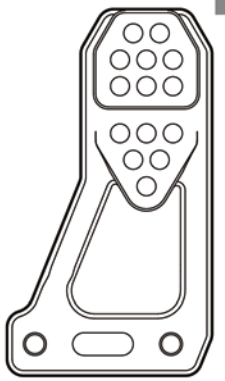


Rear Bumper Mount - Left x 1

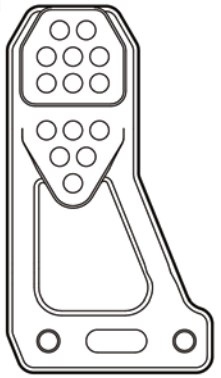


Rear Bumper Mount - Right x 1

#BRX020018F

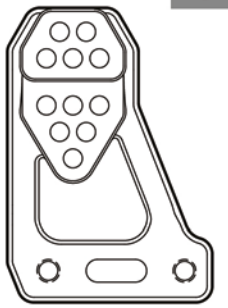


Front Shock Mount - Left x 1

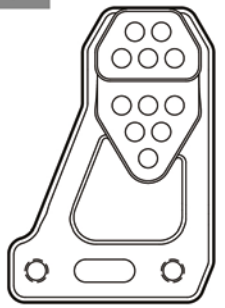


Front Shock Mount - Right x 1

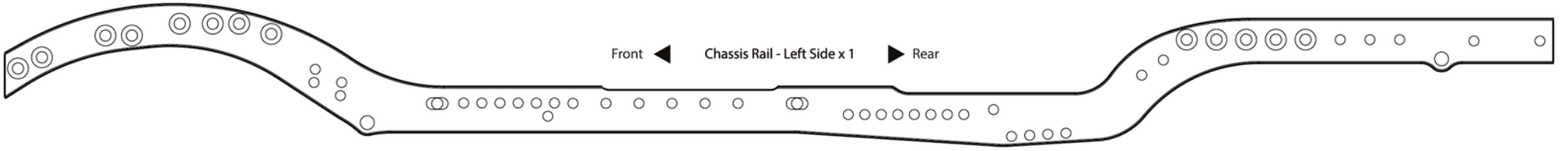
#BRX020018R

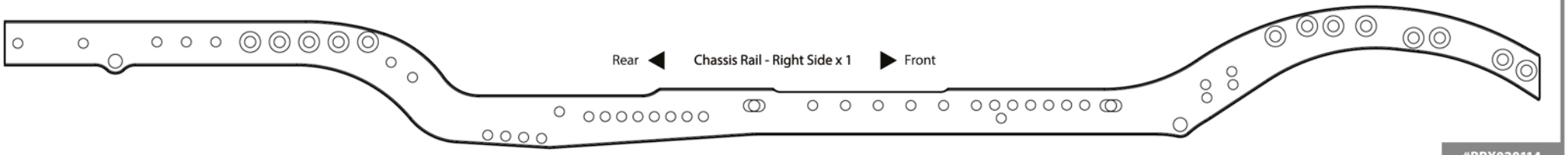


Rear Shock Mount - Left x 1



Rear Shock Mount - Right x 1





#BRX020114

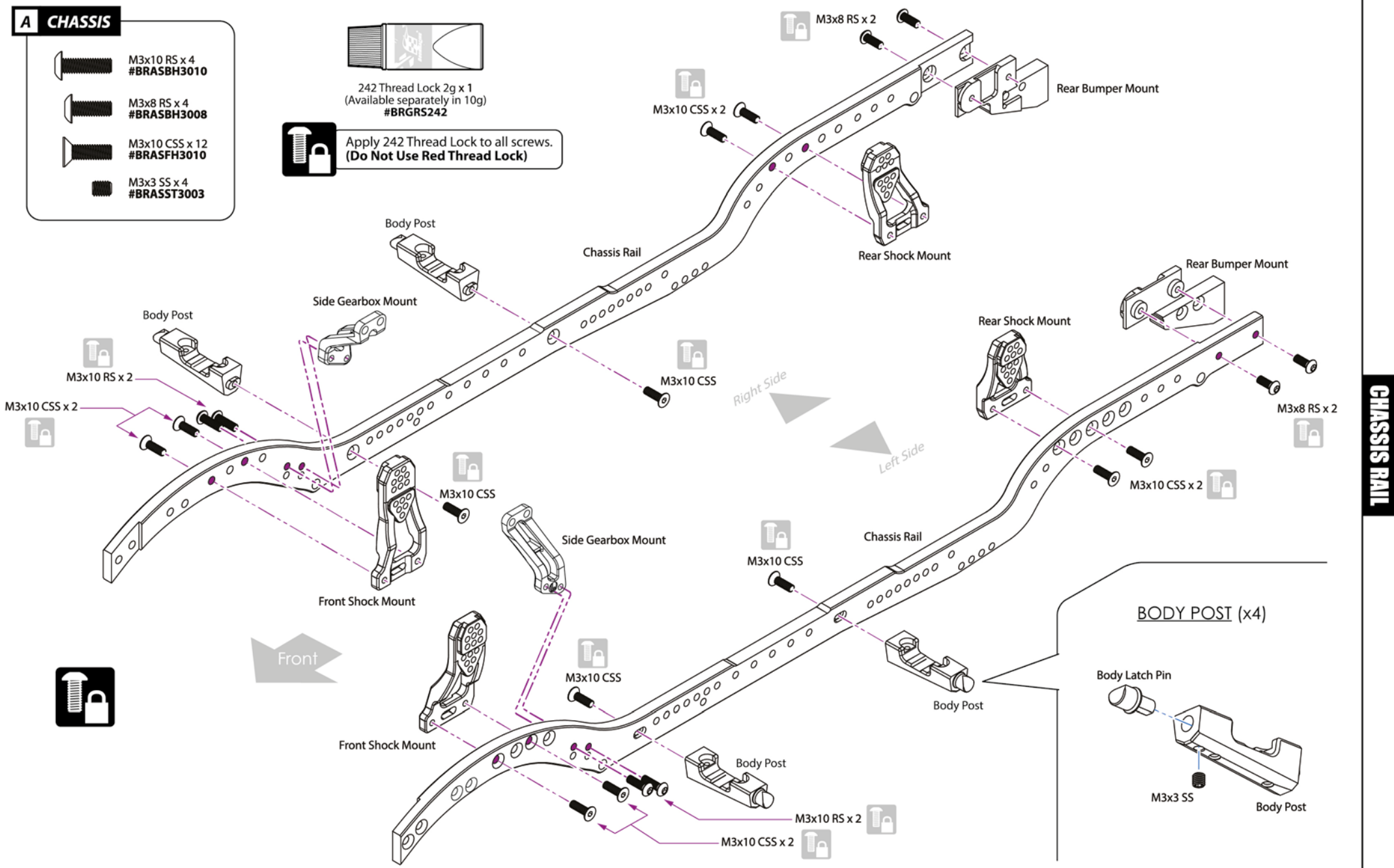
CHASSIS RAIL

A CHASSIS

- M3x10 RS x 4 **#BRASBH3010**
- M3x8 RS x 4 **#BRASBH3008**
- M3x10 CSS x 12 **#BRASFH3010**
- M3x3 SS x 4 **#BRASST3003**

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

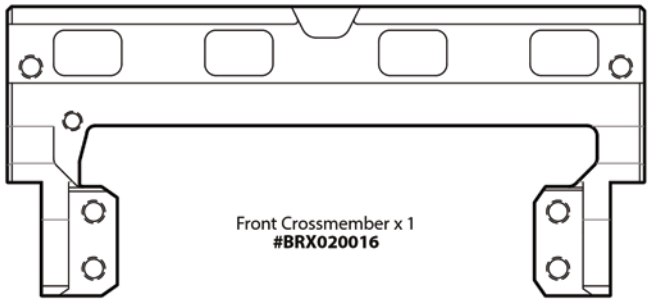
Apply 242 Thread Lock to all screws.
(Do Not Use Red Threat Lock)



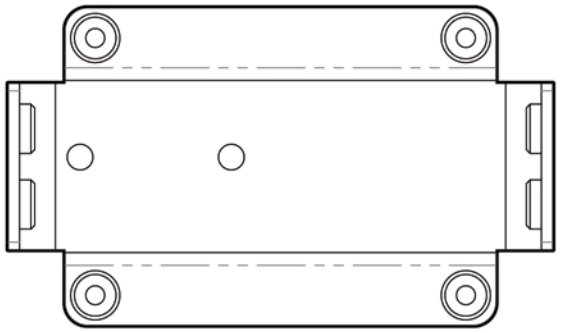
CHASSIS RAIL

2 - CHASSIS

Parts Needed:



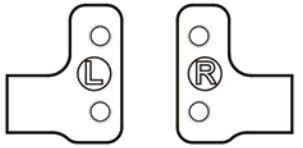
Front Crossmember x 1
#BRX020016



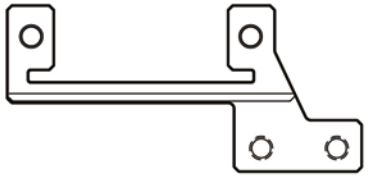
Center Skid Plate x 1
#BRX020020LF



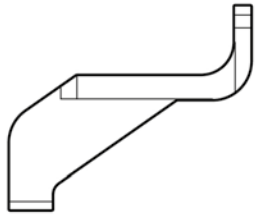
Mid Crossmember x 1
#BRX020014



Steering Servo Mount x 2
#BRX020108



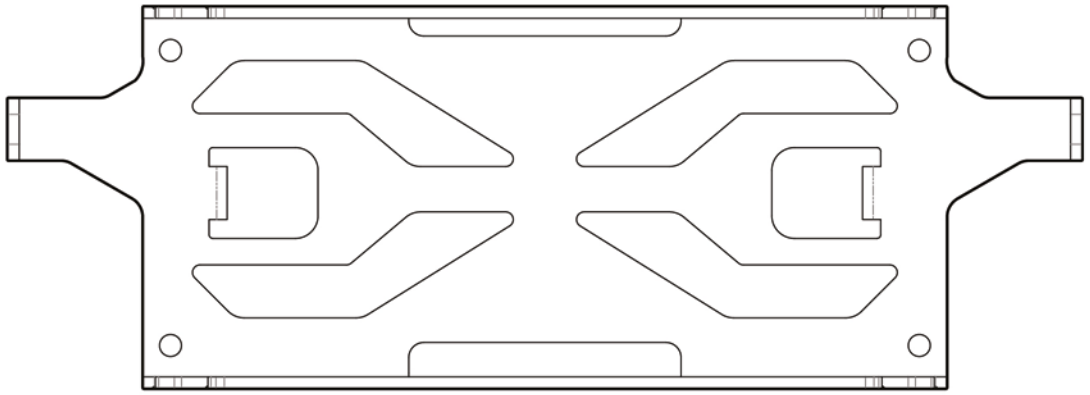
Mini servo Mount x 1
#BRX020009



Rear Gearbox Mount x 1
#BRX020017



Rear Crossmember x 1
#BRX020012

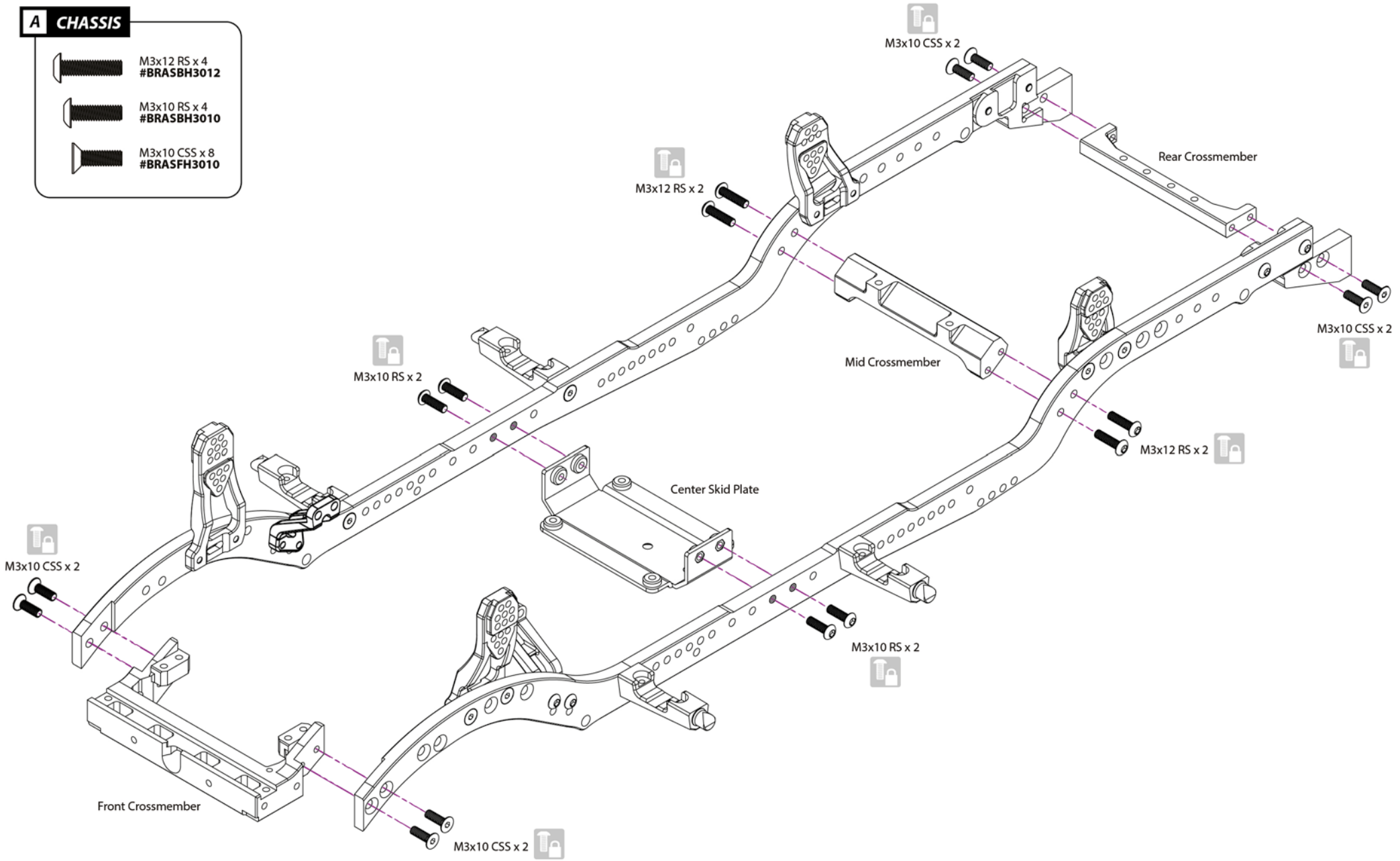


Battery Tray x 1
#BRX020021

CHASSIS

A CHASSIS

- M3x12 RS x 4 **#BRASBH3012**
- M3x10 RS x 4 **#BRASBH3010**
- M3x10 CSS x 8 **#BRASFH3010**

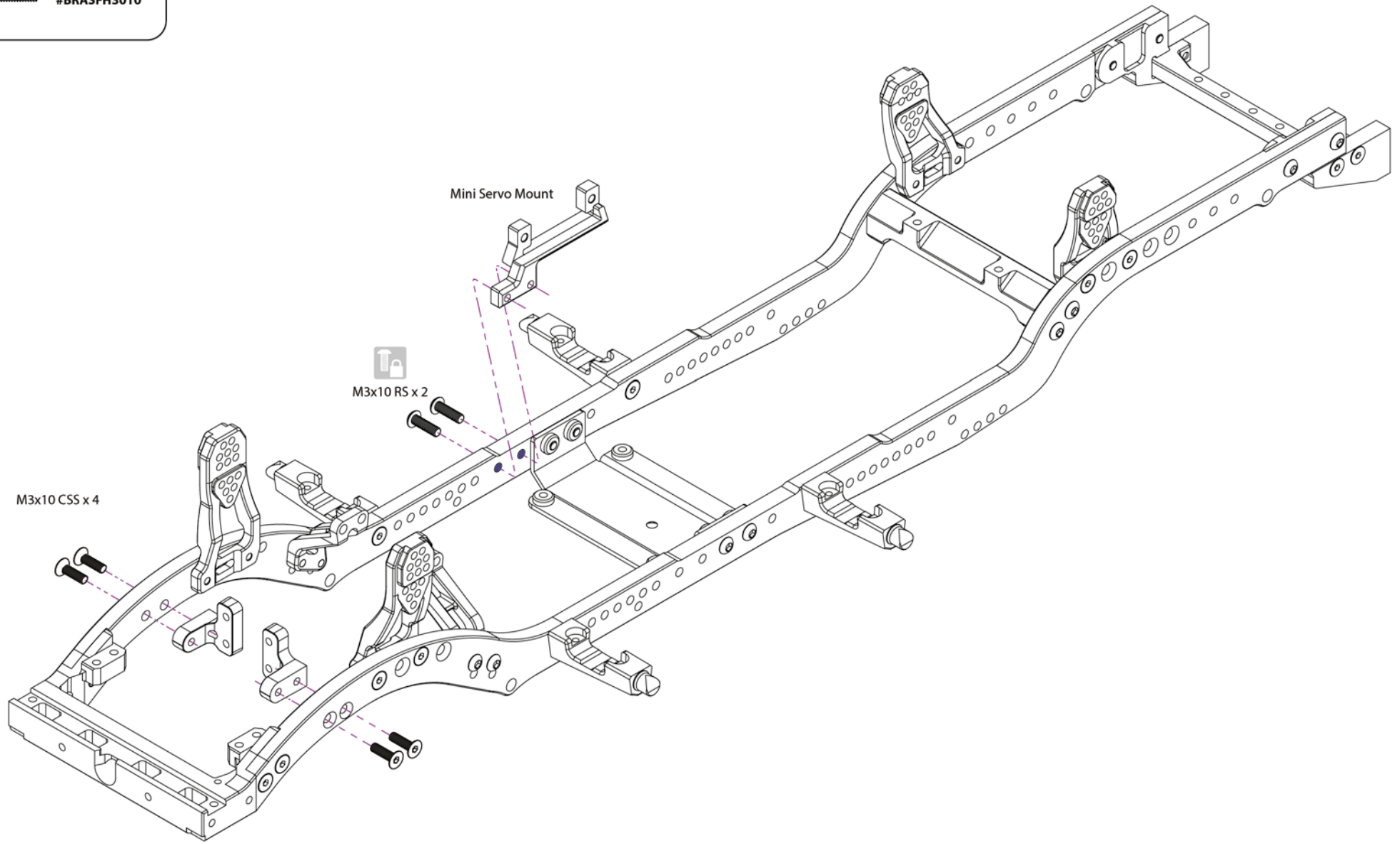


CHASSIS

A CHASSIS

M3x10 RS x 2
#BRASBH3010

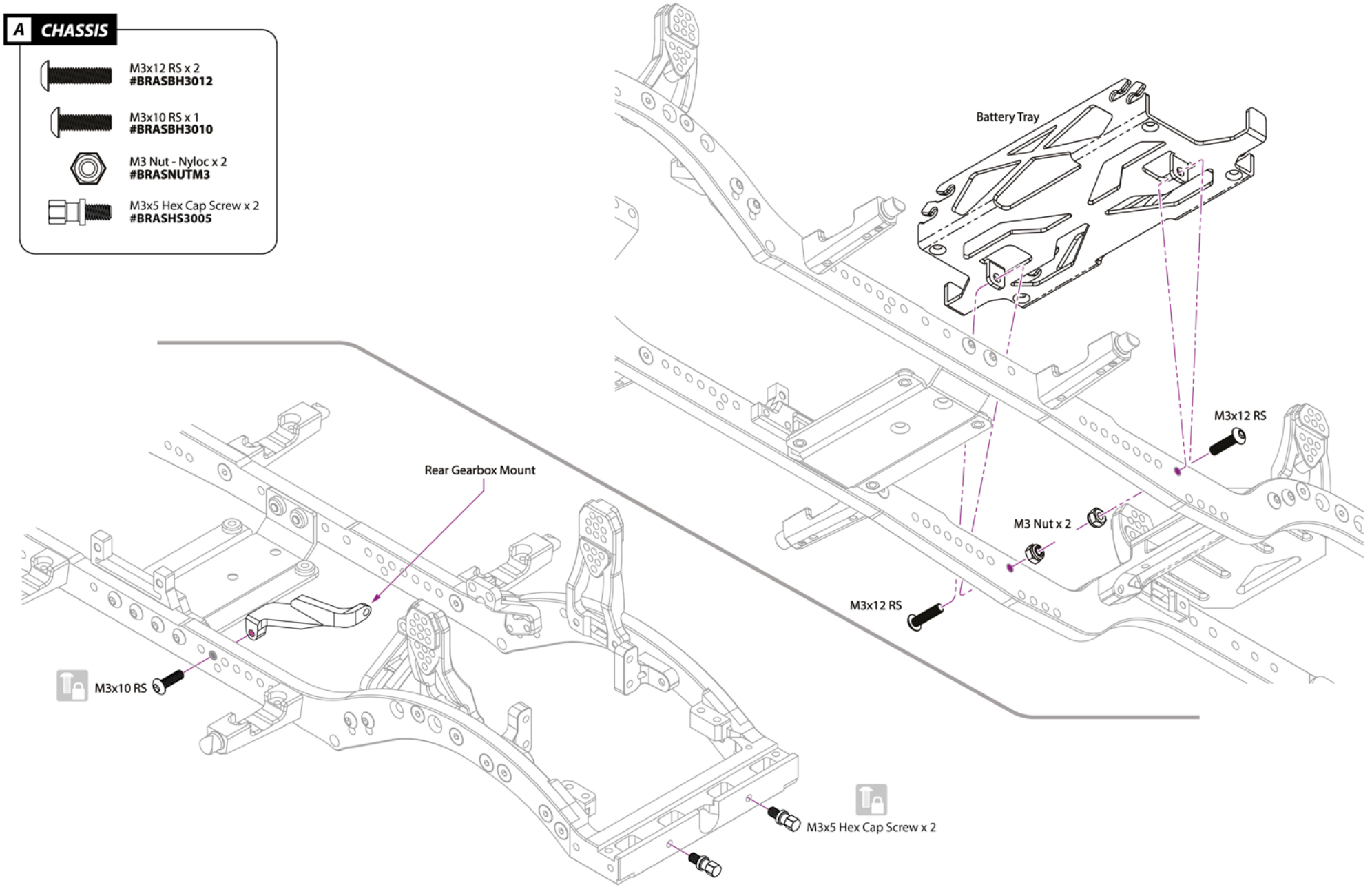
M3x10 CSS x 4
#BRASFH3010



CHASSIS

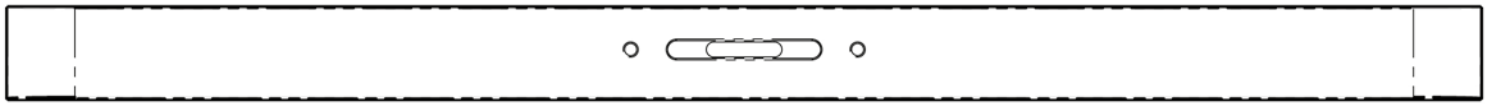
A CHASSIS

- M3x12 RS x 2 **#BRASBH3012**
- M3x10 RS x 1 **#BRASBH3010**
- M3 Nut - Nyloc x 2 **#BRASNUTM3**
- M3x5 Hex Cap Screw x 2 **#BRASHS3005**

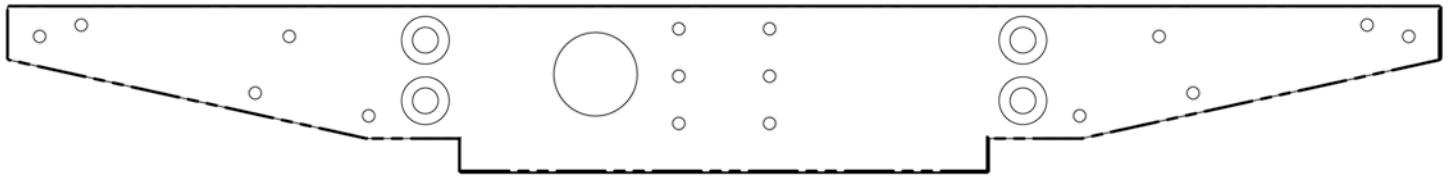


3 - BUMPERS

Parts Needed:



Front Bumper x 1
#BRX020109F



Rear Bumper x 1
#BRX020109R

A CHASSIS

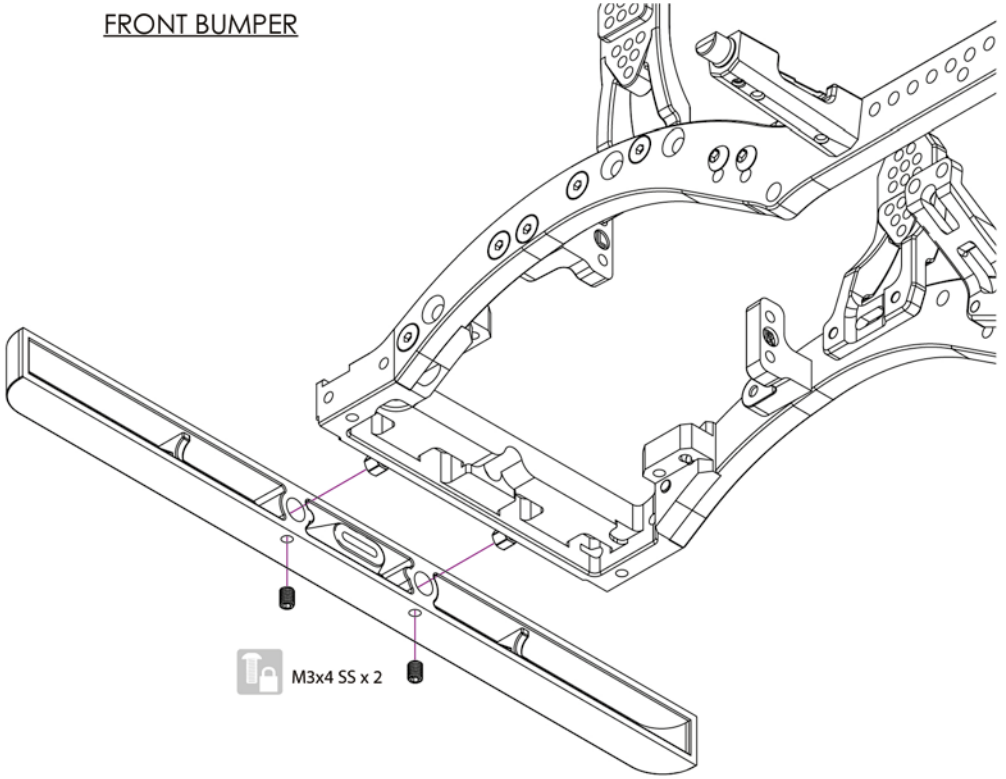


M3x10 CSS x 4
#BRASFH3010

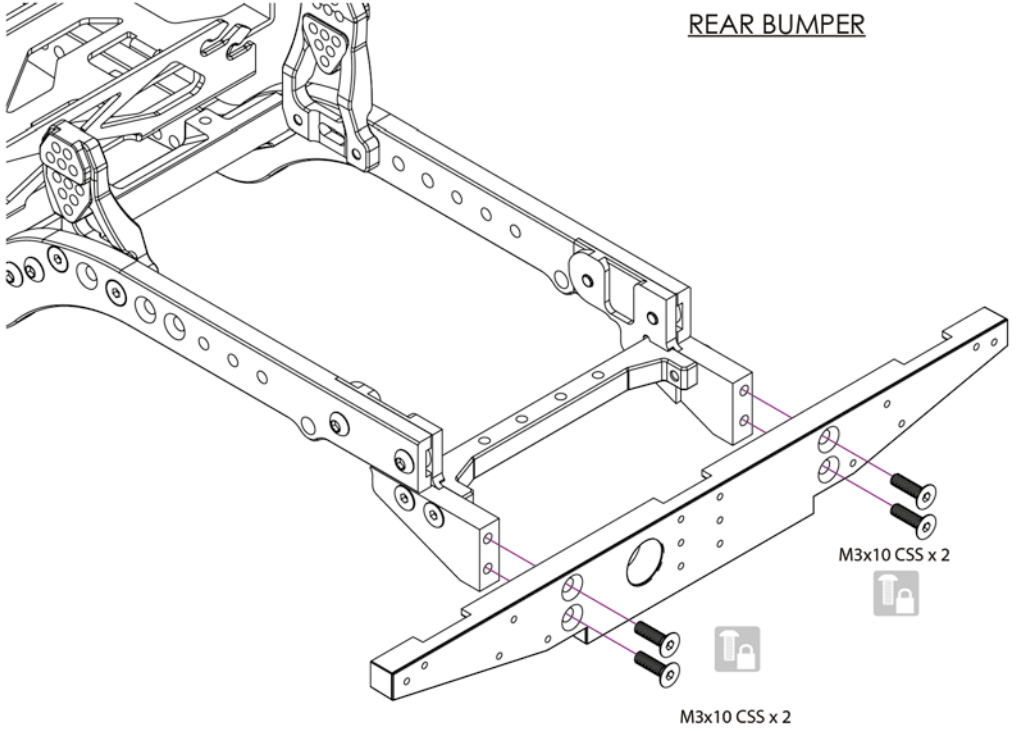


M3x4 SS x 2

FRONT BUMPER



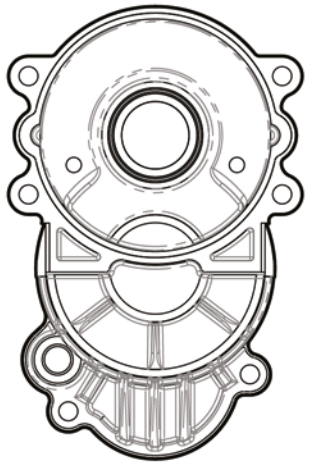
REAR BUMPER



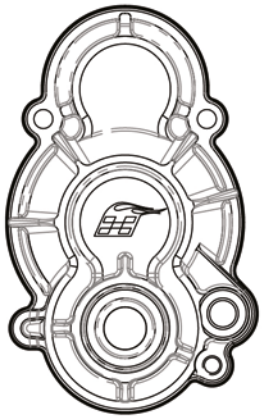
BUMPERS

Parts Needed:

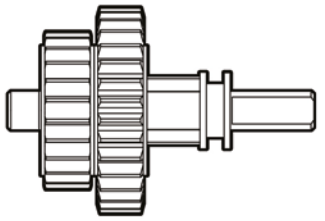
BCF2™ Gearbox Housing (2pcs) **#BRX020029**



Gearbox Housing A



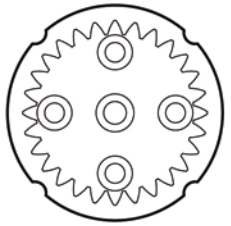
Gearbox Housing B



2-Speed Gear Unit x 1
#BRLC7044E

GEARBOX

J GEARS, SHAFTS & BEARINGS - GEAR BOX



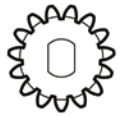
Internal Spur Gear 28T x 1
#BRLC7031



Spur Gear Mount x 1
#BRLC7030



Spur Gear 12T x 1
#BRLC7029-12T



Spur Gear 15T x 1
#BRLC7029-15T



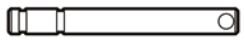
Spur Gear 20T x 2
#BRLC7029-20T



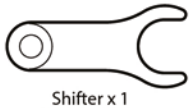
D5x11x4 Ball Bearing x 7
#BBZMR1152RS



D7x11x3 Ball Bearing x 1
#BBZMR1172RS



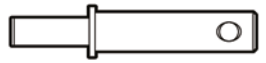
Shift Shaft x 1
#BRLC7045C



Shifter x 1
#BRLC7045B



Input Shaft x 1
#BRLC7044B



Output Shaft x 1
#BRLC7044C



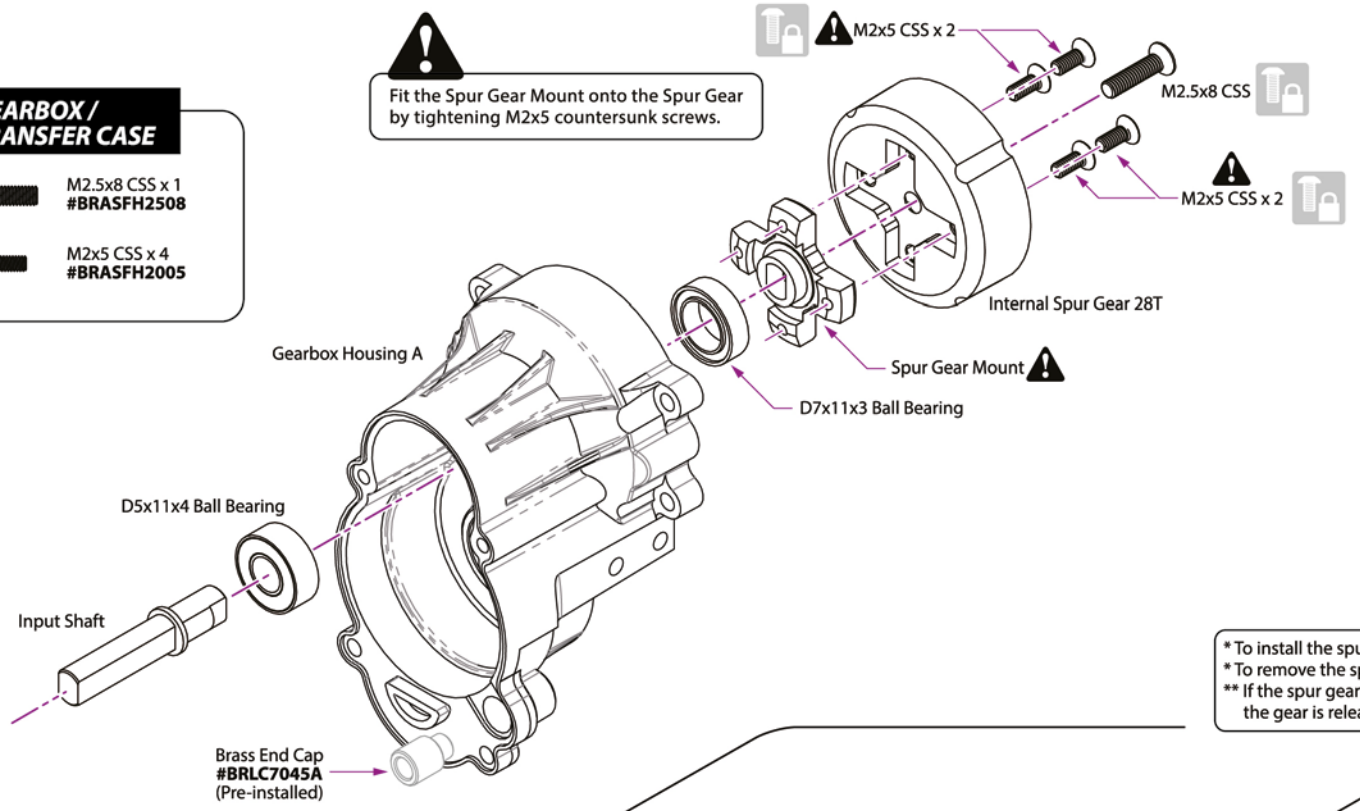
Bearing Holder x 1
#BRX020029A

4.1

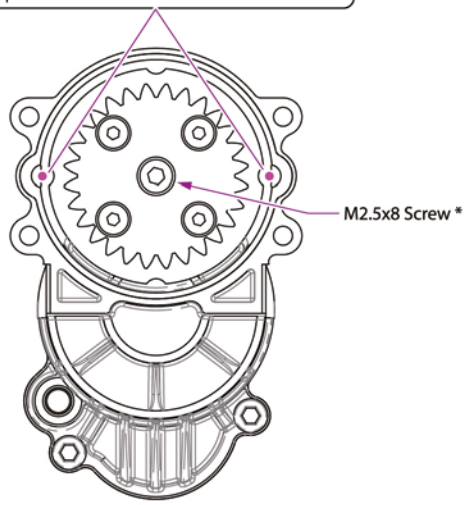
E GEARBOX / TRANSFER CASE

- M2.5x8 CSS x 1 **#BRASFH2508**
- M2x5 CSS x 4 **#BRASFH2005**

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

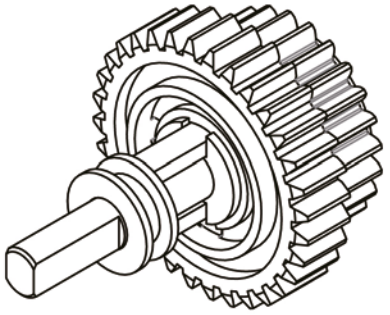


To install or remove the spur gear from the gearbox, align the spur gear as pictured and temporarily insert two M3 screws** to act as stoppers.

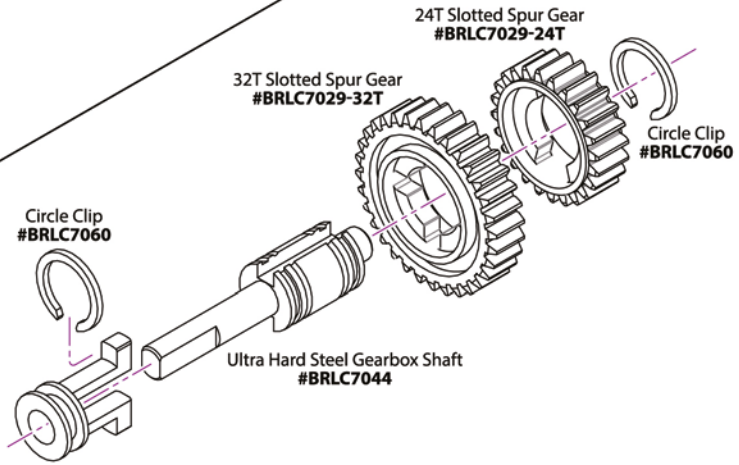


* To install the spur gear, install the four M2x5 screws, then the center M2.5x8 screw.
* To remove the spur gear, remove the M2.5x8 screw, then remove the four M2x5 screws.
** If the spur gear can't be removed, place two long M3 screws and torque them both until the gear is released.

4.2



2-Speed Gear Unit



PRE-ASSEMBLED 2-SPEED GEAR UNIT

GEARBOX

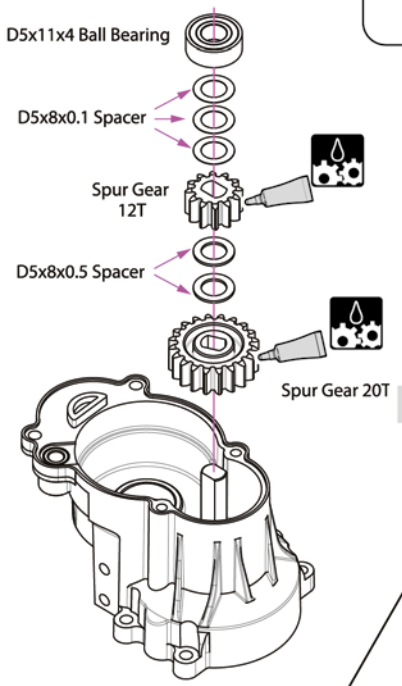
4.3

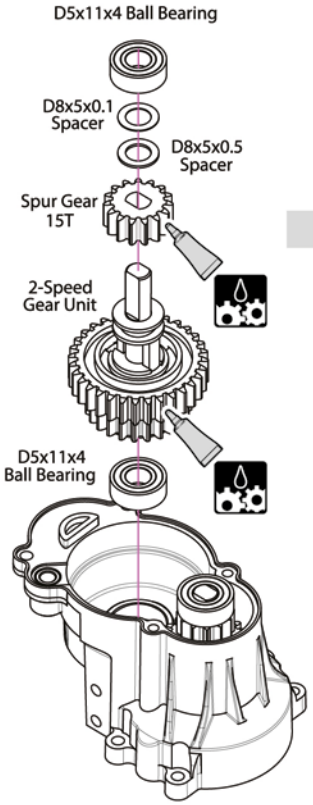
E GEARBOX / TRANSFER CASE

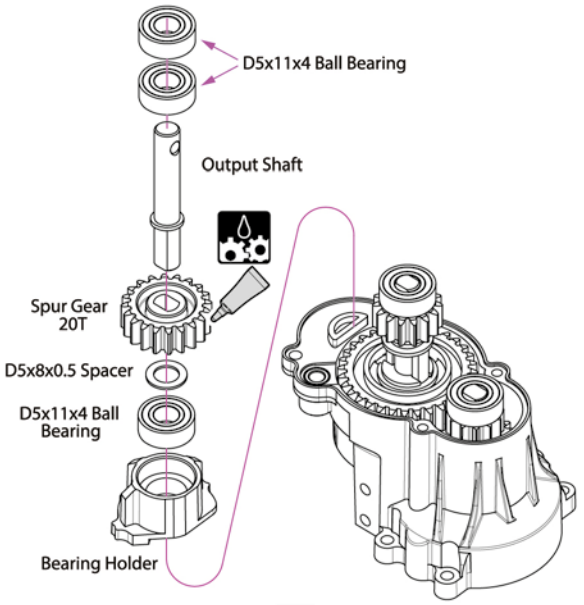
D5x8x0.5 Spacer x 4
#BRASSPD5805

M3 E-Clip x 2
#BRASEC30

D5x8x0.1 Spacer x 4
#BRASSPD5801

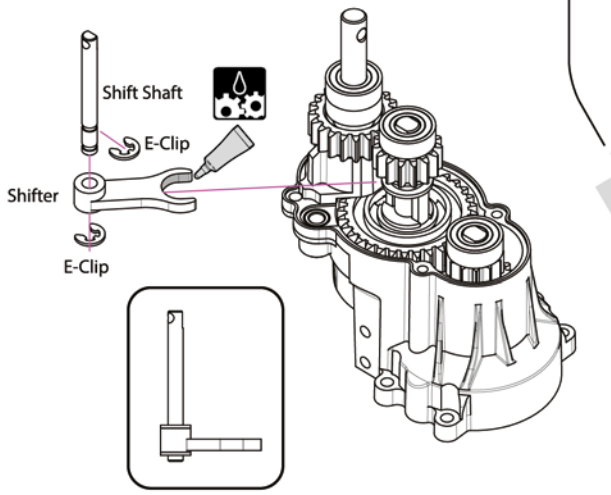






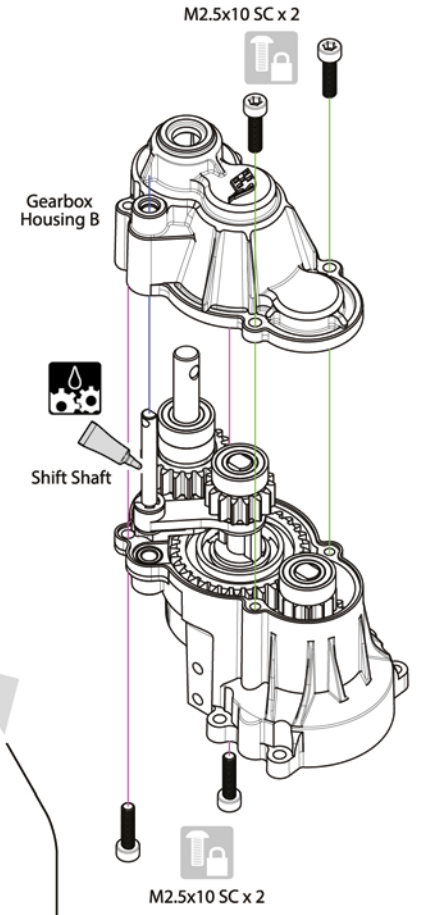


Black Graphite Grease 10g x 1
#BRGRS1055-10



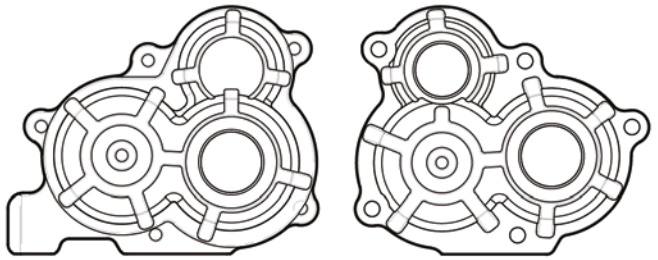
E GEARBOX / TRANSFER CASE

M2.5x10 SC x 4
#BRASCH2510



5 - TRANSFER CASE

Parts Needed:



B2X™ Transfer Case Housing
#BRX020111

E GEARBOX / TRANSFER CASE



M2x8 SC x 5
#BRASFCH2008



D2x8 Pin x 2
#BRASPIN208

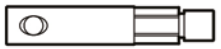


D5x8x0.5 Spacer x 5
#BRASSPD5805



E-Clip x 1
#BRASEC40

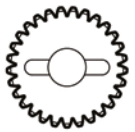
I GEARS, SHAFTS & BEARINGS - TRANSFER CASE



Input Shaft x1
#BRLC7207



20T Spur Gear x1
#BRLC70210



29T Spur Gear x2
#BRLC70210



Rear Output Shaft x1
#BRLC7208



Front Output Shaft x1
#BRLC70201-B



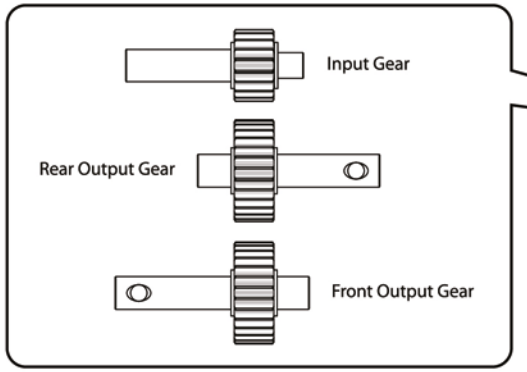
D4x10x4 Ball Bearing x 1
#BBZMR1042RS

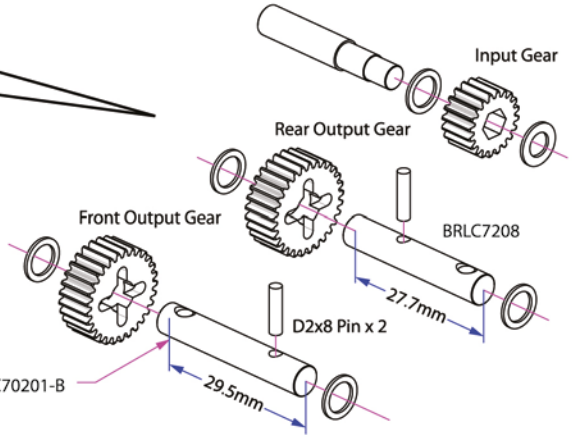


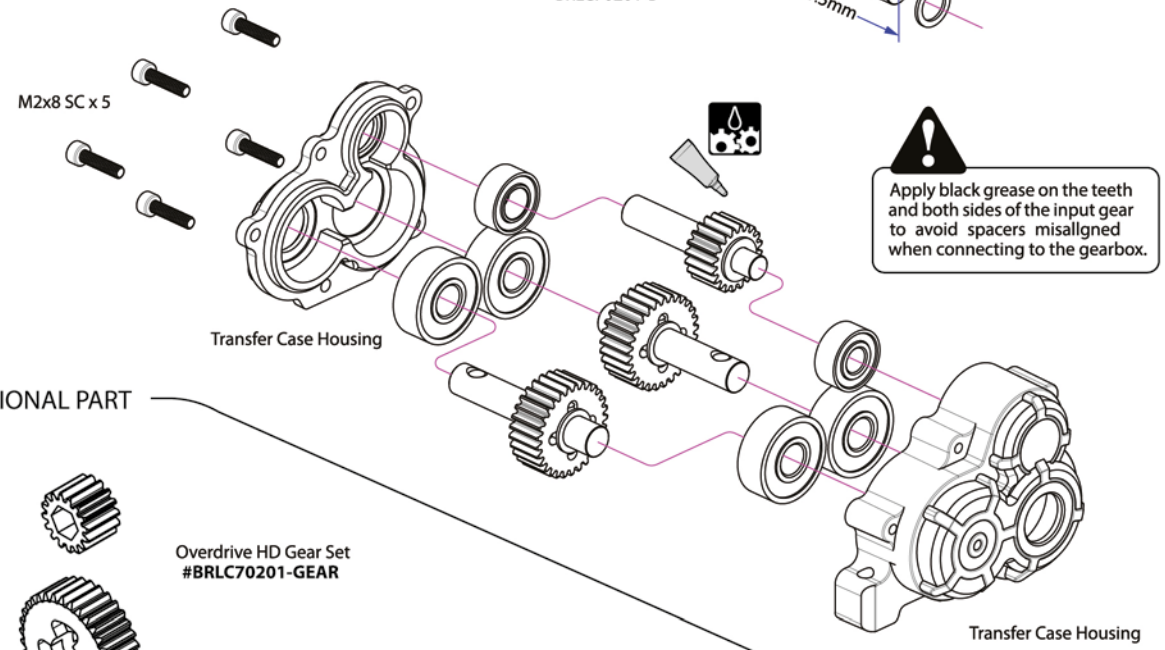
D5x10x4 Ball Bearing x 1
#BBZMR1052RS



D5x14x5 Ball Bearing x 4
#BBZ6052RS





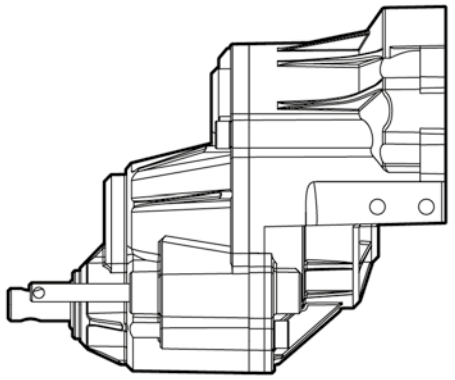


OPTIONAL PART

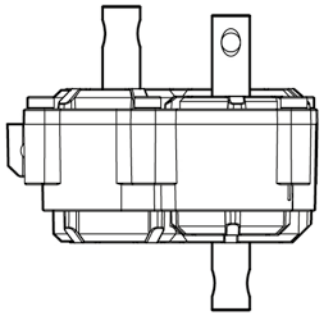
Over-Drive Gear Ratio		
Input		16T
Output - Rear	33T	1:2.06
Output - Front	25T	1:1.56
Rear to Front output speed ratio		1:1.32

TRANSFER CASE

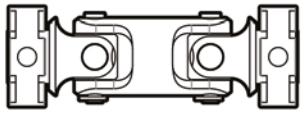
Parts Needed:



Complete **BCF2**™ Gearbox
#BR-G100



Complete **B2X**™ **OD Ready**
Transfer Case



Badass™ Heavy Duty Steel
Connection Drive Shaft (33mm) x 1
#BRBD955003J

E GEARBOX / TRANSFER CASE



M3x8 RS x 4
#BRASBH3008



M3x10 CSS x 1
#BRASFH3010



M3x6 CSS x 1
#BRASFH3006

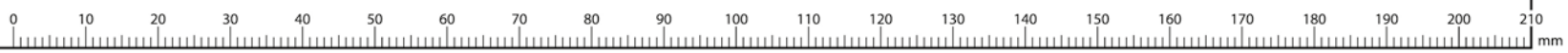


M2.5x8 SC x 1
#BRASCH2508



M3/2.4x12 SS x 2
#BRASST3024/DS

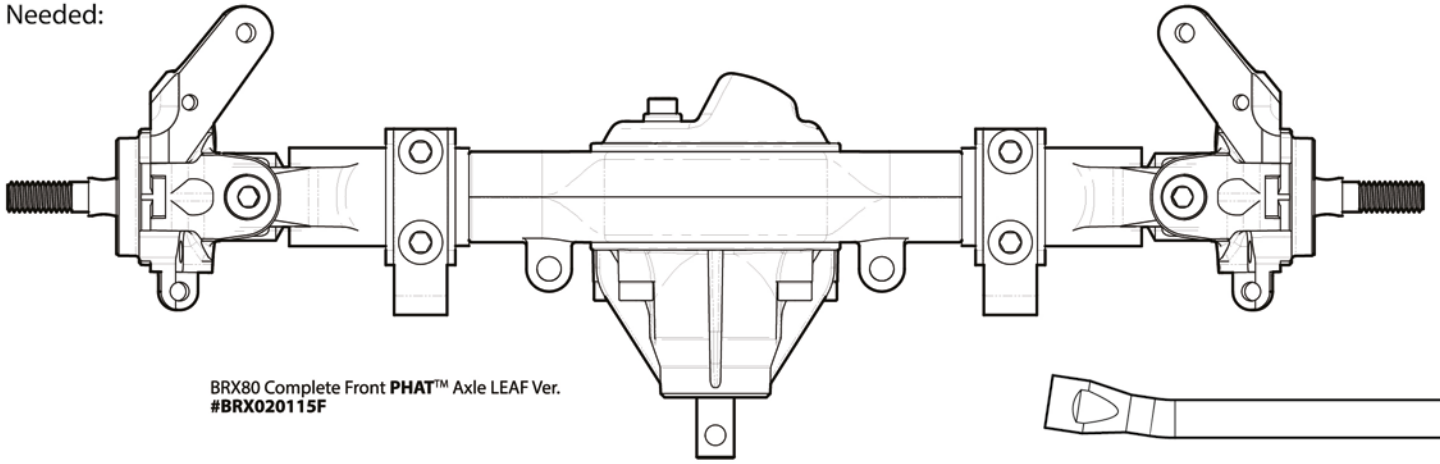
TRANSMISSION



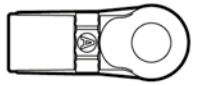
7 - FRONT AXLE & LEAF SPRING

FRONT AXLE & LEAF SPRING

Parts Needed:



BRX80 Complete Front **PHAT**™ Axle LEAF Ver.
#BRX020115F



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



BADASS™
Stainless Steel Pivot Ball x 2
#BRW750310

Stainless Steel Tie Rod x 1
#BRD8022A

B LEAFS / SHOCKS



M4x16 SS x 2
#BRASST4016

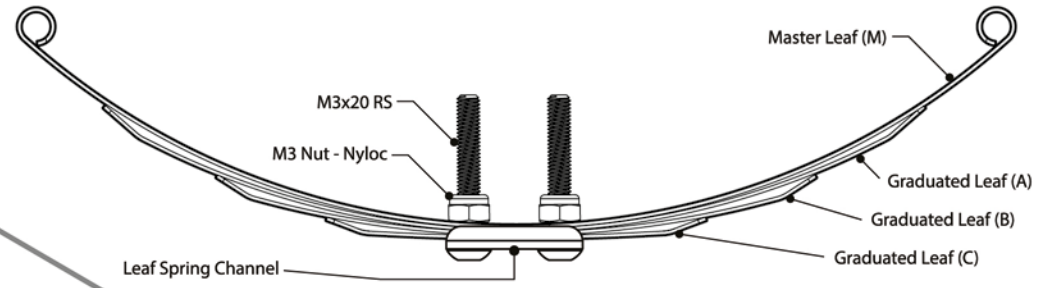


D4x7x1 Stainless Steel Spacer x 2
#BRASSP471

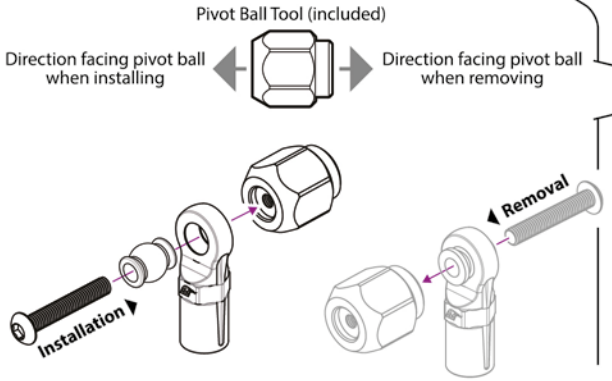


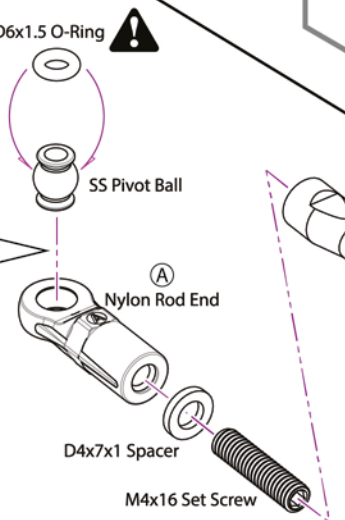
D6x1.5 O-Ring x 2
#BRSORD6-15

#BRLC7064A *(2 sets)*

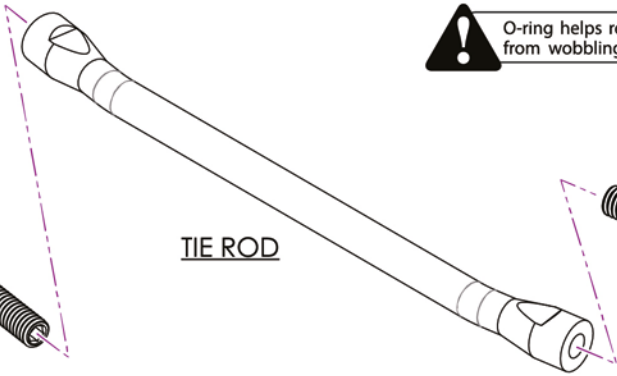


ROD END INSTALLATION

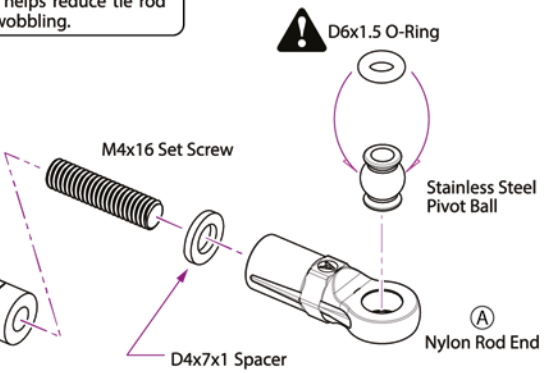


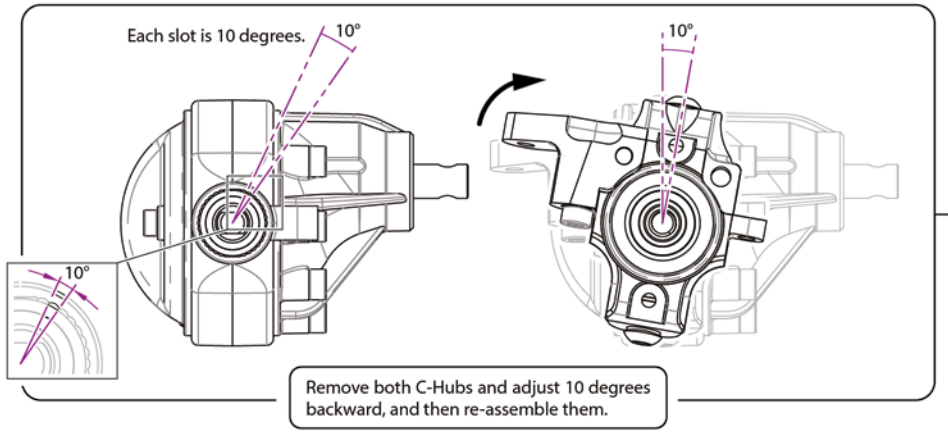


TIE ROD



O-ring helps reduce tie rod from wobbling.





Remove both C-Hubs and adjust 10 degrees backward, and then re-assemble them.

LEAF SPRING LOAD SETUP ⚠2

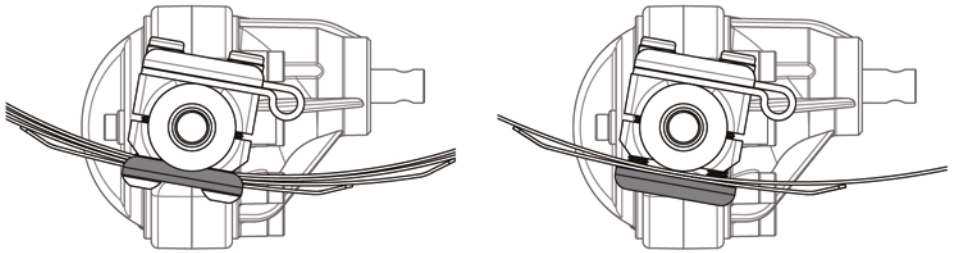
Weight	# of Leafs	Lightest	Light	Heavy	Heaviest
Heaviest	4				(M)+(A)+(B)+(C)
Heavy	3		(M)+(B)+(C)	(M)+(A)+(C)	(M)+(A)+(B)
Light	2		(M)+(C)	(M)+(B)	(M)+(A)
Lightest	1	(M)			

Recommended stock setup (Front).
Recommended stock setup (Rear).

⚠3 LEAF SPRING CHANNELS



When removing one leaf, flip the Leaf Spring Channels upside down to eliminate the gap as shown above.



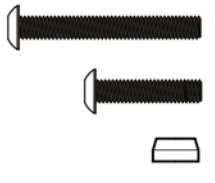
The Heaviest setup.

The Lightest, ***Light*** and ***Heavy*** setups.

Make sure the Leaf Spring Channels are parallel to the axle mount.

⚠1 Add thread lock to screws on moving parts.

B LEAFS / SHOCKS

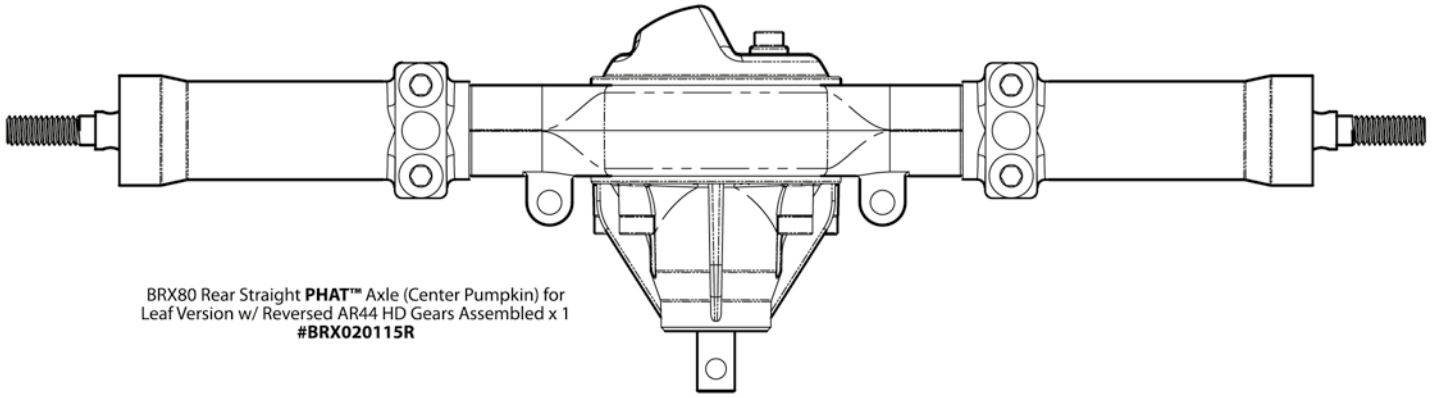


M3x24 RS x 1 **#BRASBH3024**
M3x14 RS x 1 **#BRASBH3014**
3x6x3 Tapper Spacer x 2 **#BRLC7041**

8 - REAR AXLE & LEAF SPRING

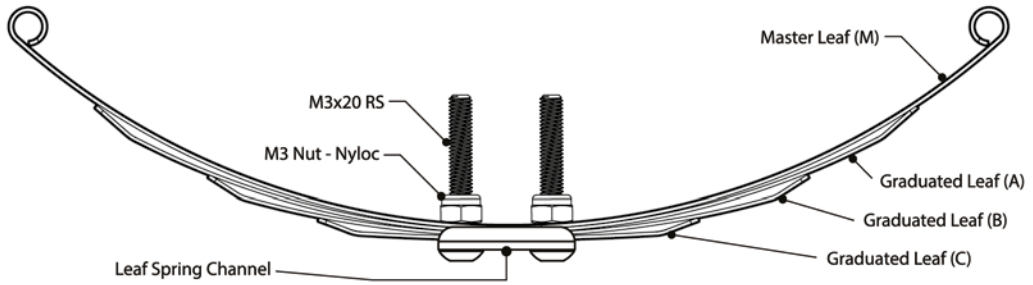
REAR AXLE & LEAF SPRING

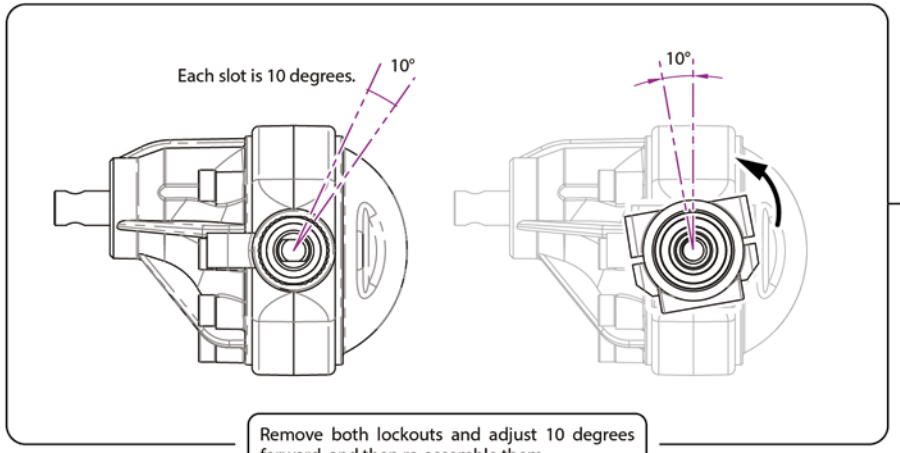
Parts Needed:

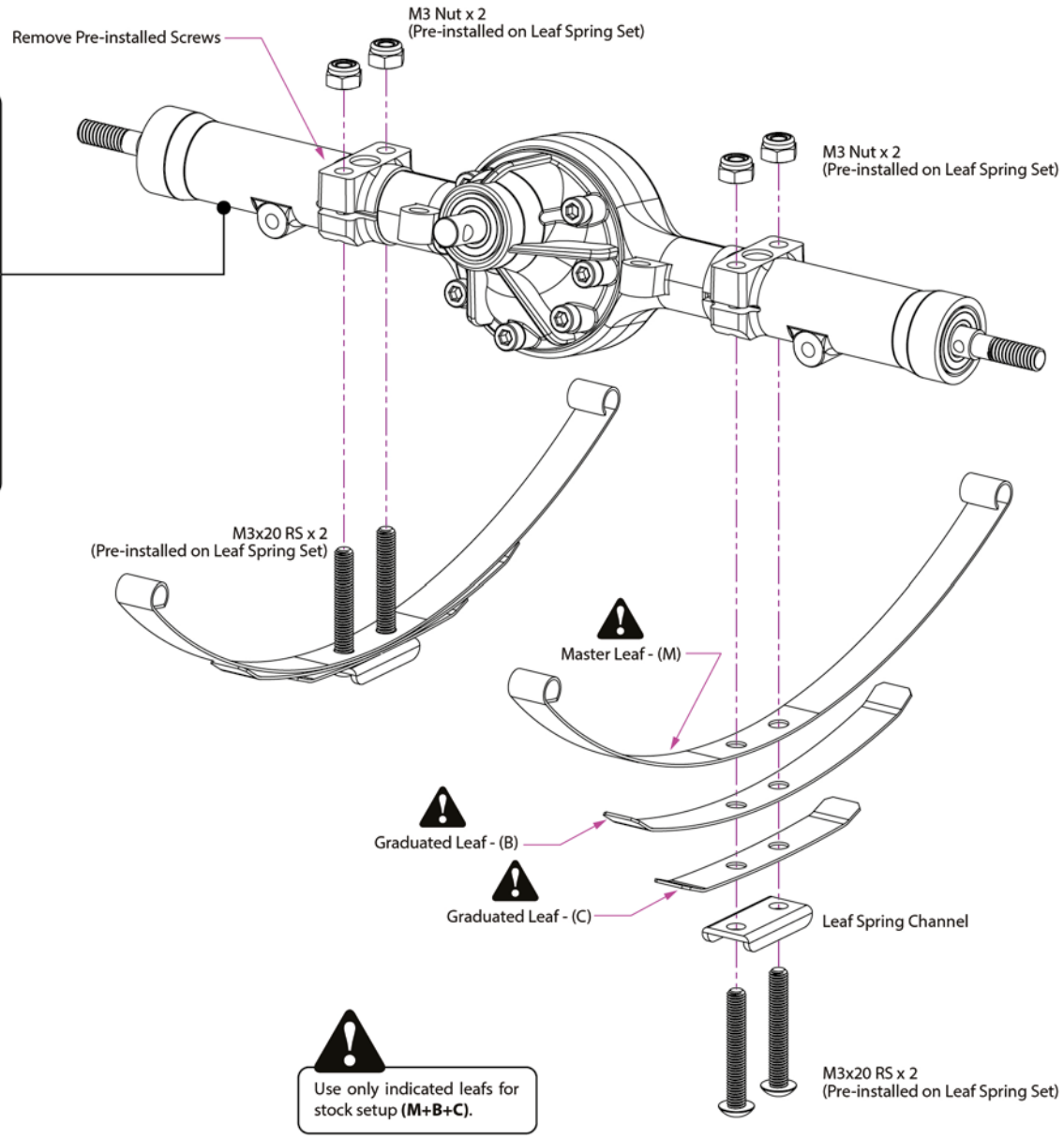


BRX80 Rear Straight **PHAT™** Axle (Center Pumpkin) for Leaf Version w/ Reversed AR44 HD Gears Assembled x 1
#BRX020115R

#BRLC7064A *(2 sets)*







LEAF SPRING LOAD SETUP

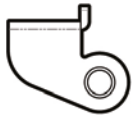
Weight	# of Leafs	Lightest	Light	Heavy	Heaviest
Heaviest	4				(M)+(A)+(B)+(C)
Heavy	3		(M)+(B)+(C)	(M)+(A)+(C)	(M)+(A)+(B)
Light	2		(M)+(C)	(M)+(B)	(M)+(A)
Lightest	1	(M)			

Recommended stock setup (Front).
Recommended stock setup (Rear).

9 - LEAF SPRING SYSTEM

Parts Needed:

#BRX02064B



Front Leaf Retainer - Left x 1



Front Leaf Retainer - Right x 1



Front Anti-Wrap Bar x 2
#BRX020027

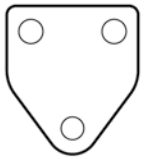


KUDU™
Nylon Rod End
(Straight 18.5mm) x 2
#BRW750306A

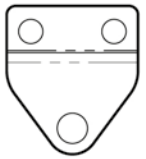


BADASS™
Stainless Steel Pivot Ball x 4
#BRW750310

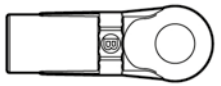
#BRLC7064F



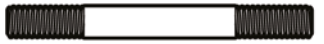
Leaf Retainer - Inside x 2



Leaf Retainer - Outside x 2



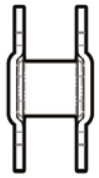
KUDU™
Nylon Rod End
(Straight 21.8mm) x 2
#BRW750309B



Stainless Steel M4x40 Anti-wrap Bar x 2
#BRLC7064C

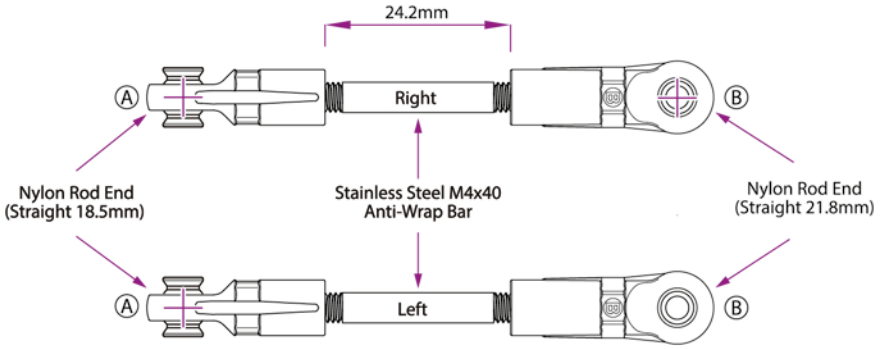


Brass Washer x 4
#BRX020030



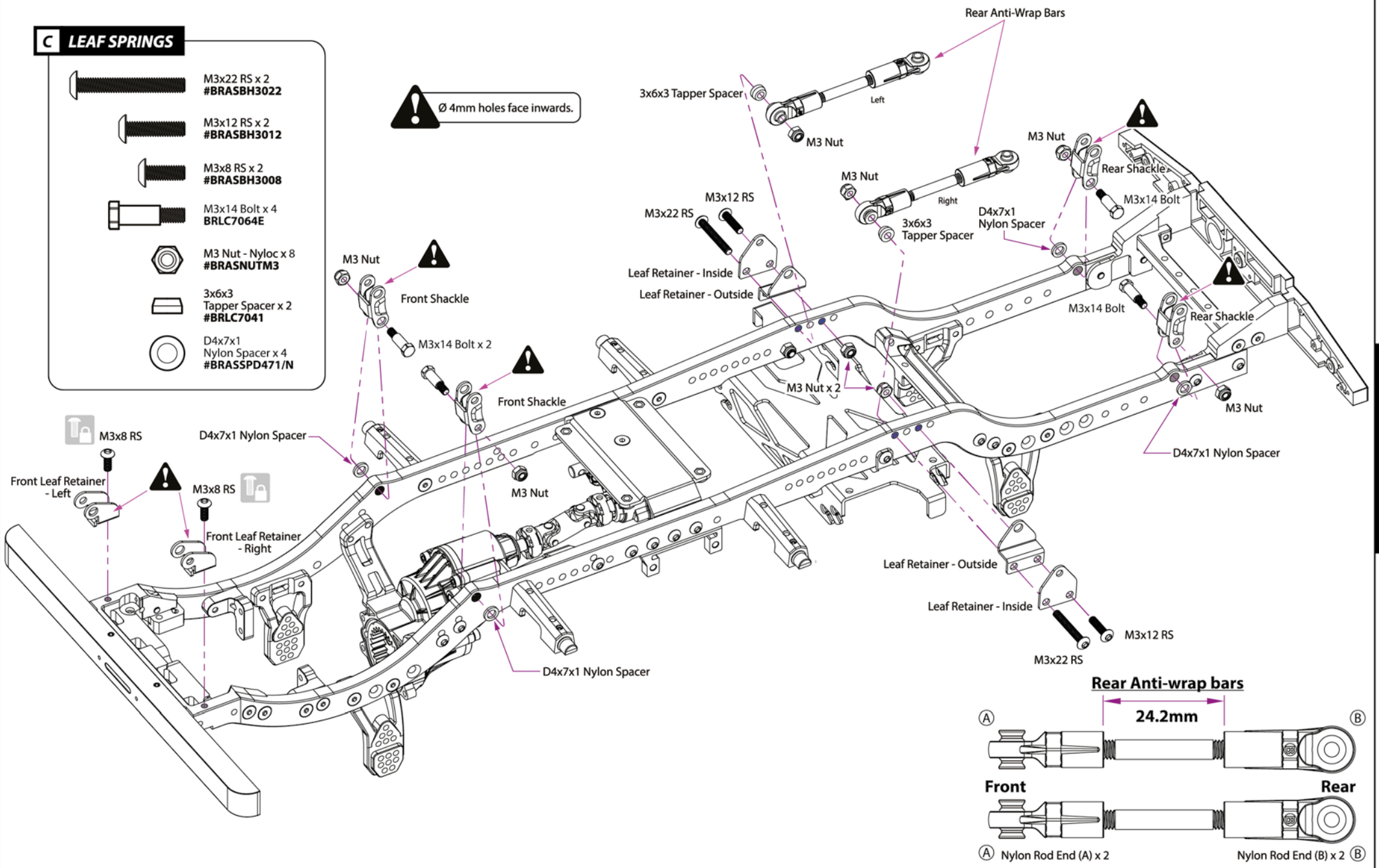
Leaf Spring Shackle Type-B x 4
#BRX020064A

REAR ANTI-WRAP BARS



C LEAF SPRINGS

- M3x22 RS x 2 **#BRASBH3022**
- M3x12 RS x 2 **#BRASBH3012**
- M3x8 RS x 2 **#BRASBH3008**
- M3x14 Bolt x 4 **BRLC7064E**
- M3 Nut - Nyloc x 8 **#BRASNUTM3**
- 3x6x3 Tapper Spacer x 2 **#BRLC7041**
- D4x7x1 Nylon Spacer x 4 **#BRASSPD471/N**



Rear Anti-wrap bars

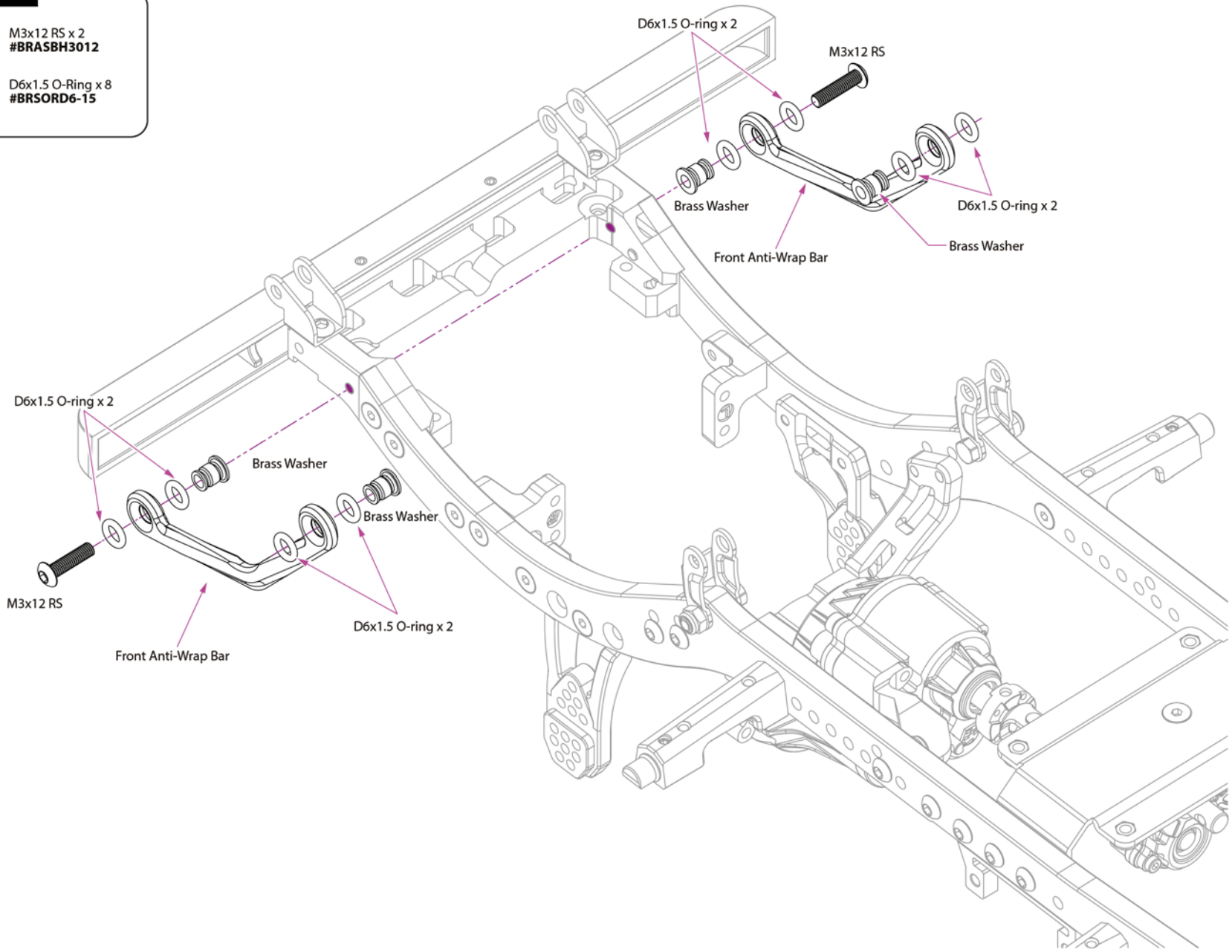
C LEAF SPRINGS



M3x12 RS x 2
#BRASBH3012

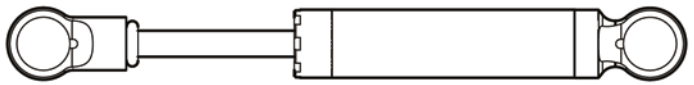


D6x1.5 O-Ring x 8
#BRSORD6-15



LEAF SPRING SYSTEM

Parts Needed:



KUDU™ 80mm Scale Shock Absorber x 4
#BRSH0080



Shock End Pivot x 8
#BRW750310



Joint Retainer x 8
#BRSHJR

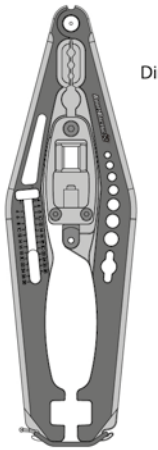


30WT Shock Oil 15ml x 1
(Available separately in 60ml)
#BRSHK030



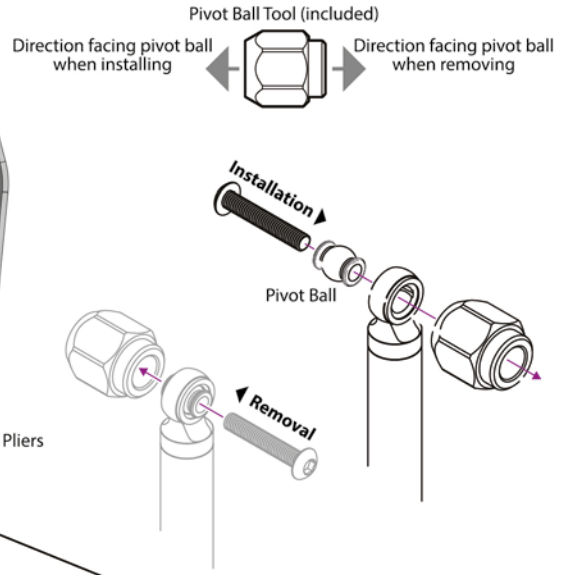
Silicone Grease 10g x 1
#BRGRS10274-10

OPTIONAL



Multipurpose Shock Pliers
#BRT10065

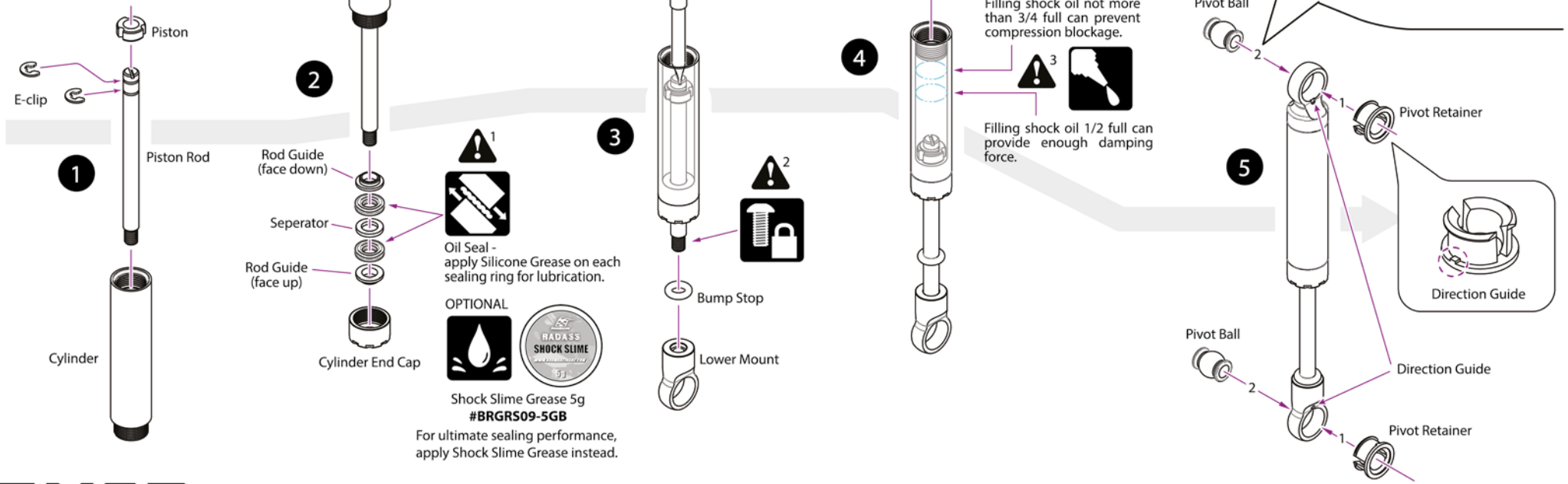
PIVOT BALL INSTALLATION & REMOVAL



SHOCKS INSTALLATION & SETUP

1 - 3

Pay attention to cautions 1, 2 and 3.



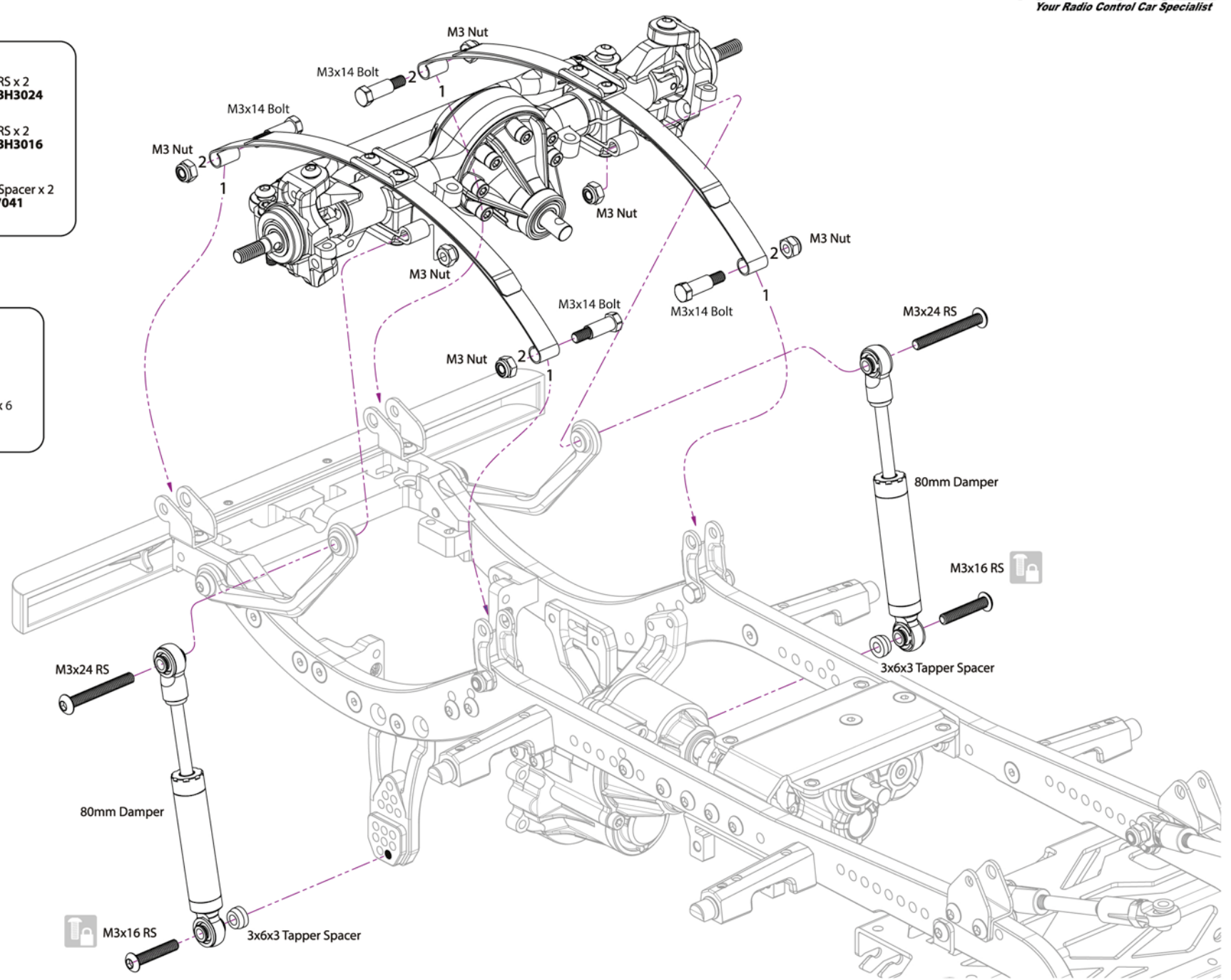
AXLES, DAMPERS & LEAF SPRING SYSTEM

B LEAFS / SHOCKS

- M3x24 RS x 2 **#BRASBH3024**
- M3x16 RS x 2 **#BRASBH3016**
- 3x6x3 Tapper Spacer x 2 **#BRLC7041**

C LEAF SPRINGS

- M3x14 Bolt x 4 **BRLC7064E**
- M3 Nut - Nyloc x 6 **#BRASNUTM3**



B LEAFS / SHOCKS



M3x16 RS x 6
#BRASBH3016



3x6x3
Tapper Spacer x 4
#BRLC7041

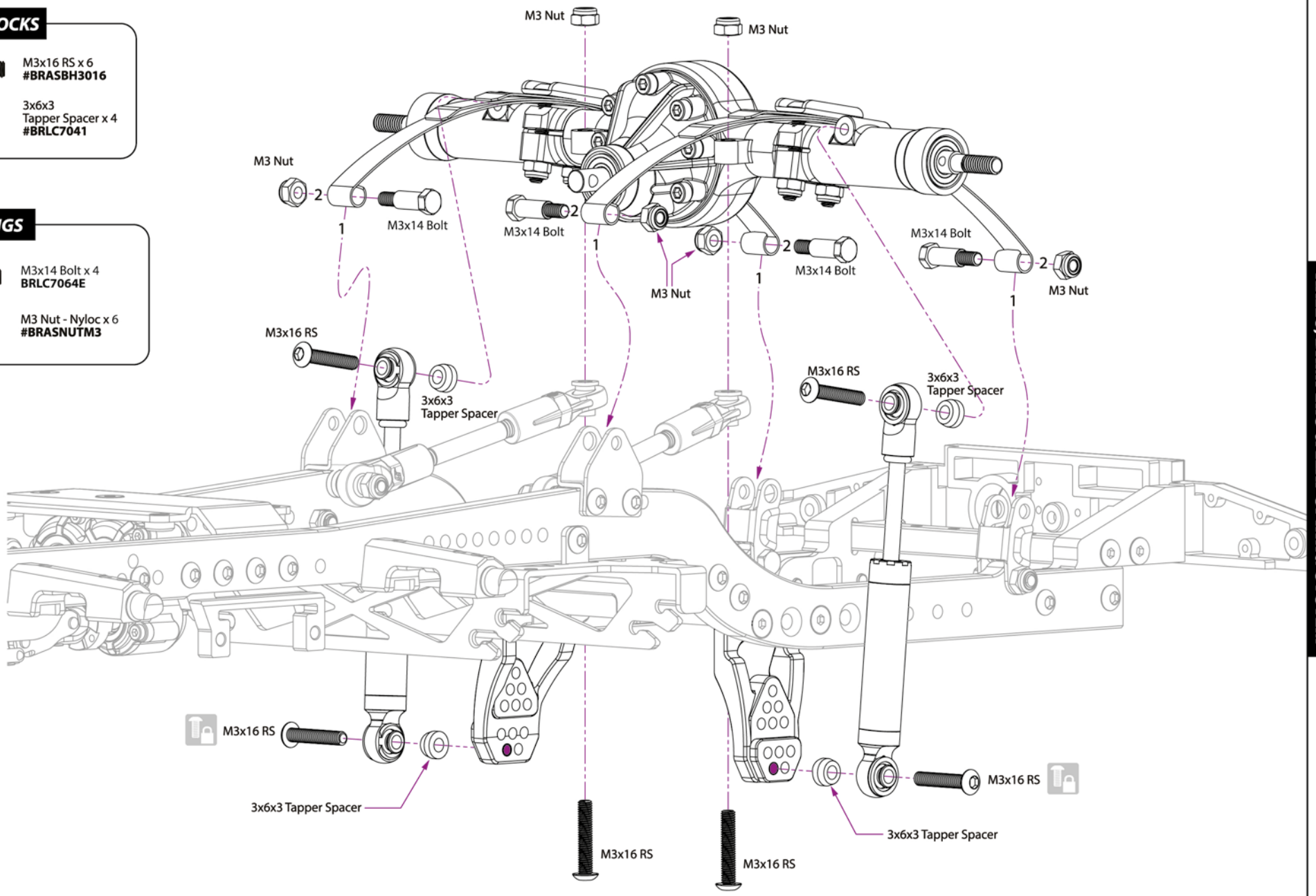
C LEAF SPRINGS

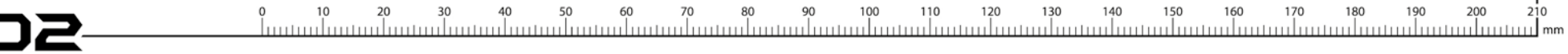


M3x14 Bolt x 4
BRLC7064E



M3 Nut - Nyloc x 6
#BRASNUTM3

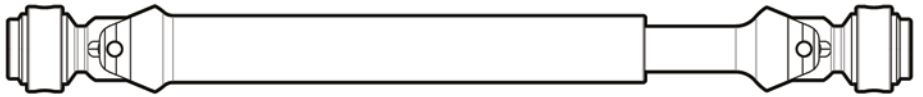




AXLES, DAMPERS & LEAF SPRING SYSTEM

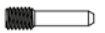
11 - DRIVE SHAFTS

Parts Needed:

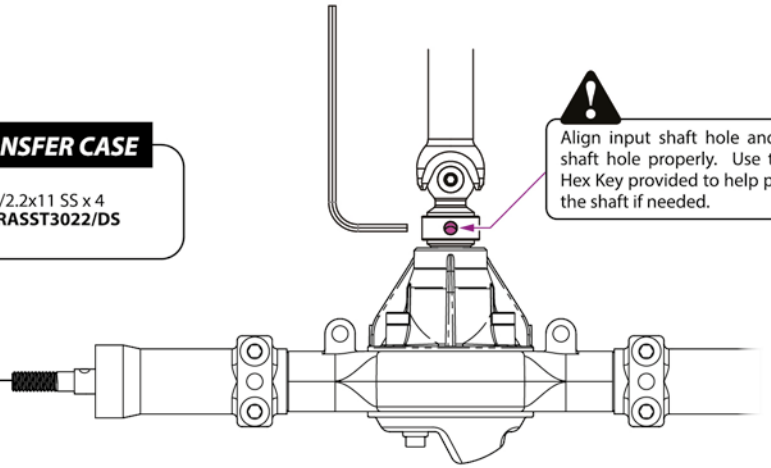


KUDU™ HD CVD Center Drive Shaft x 2
#BRX020043

E GEARBOX / TRANSFER CASE

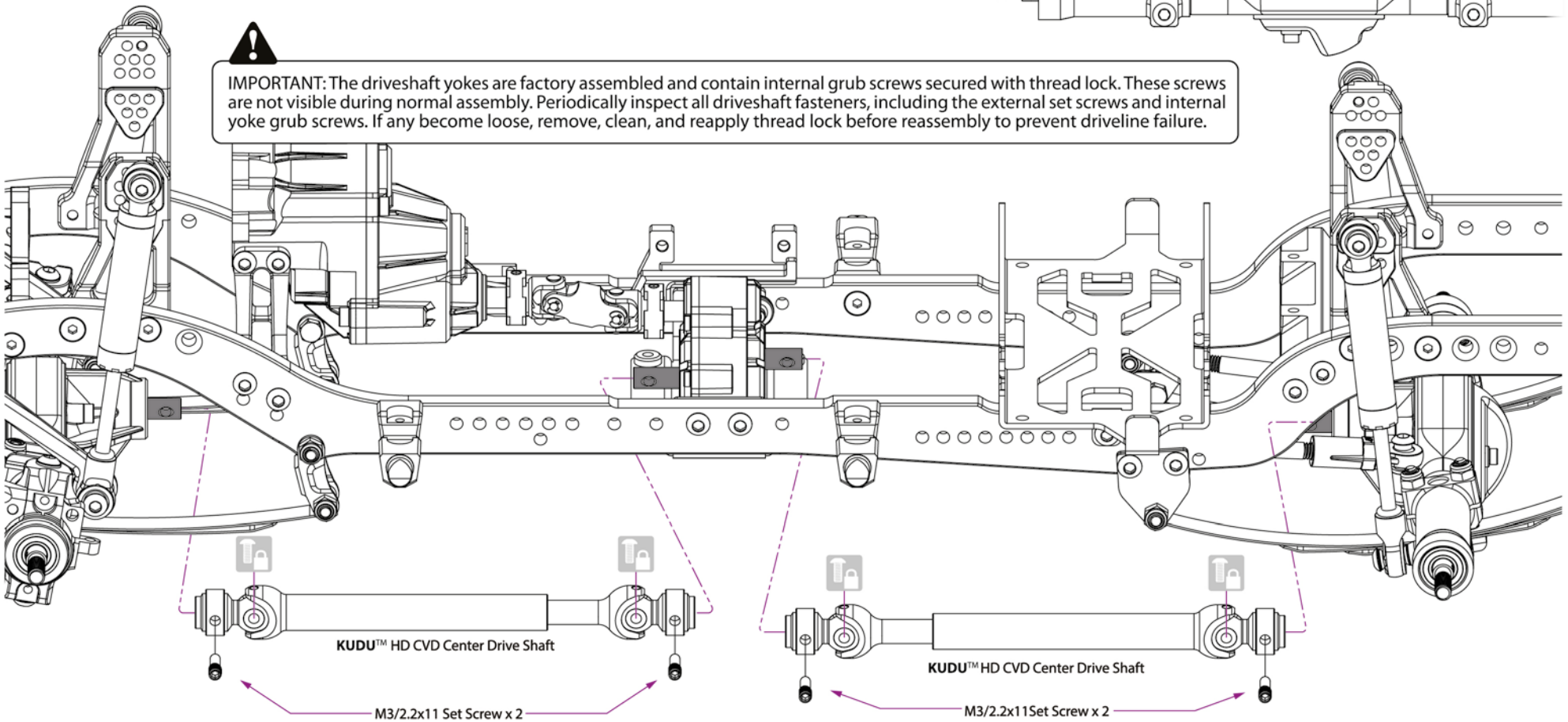


M3/2.2x11 SS x 4
#BRASST3022/DS



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

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



KUDU™ HD CVD Center Drive Shaft

M3/2.2x11 Set Screw x 2

KUDU™ HD CVD Center Drive Shaft

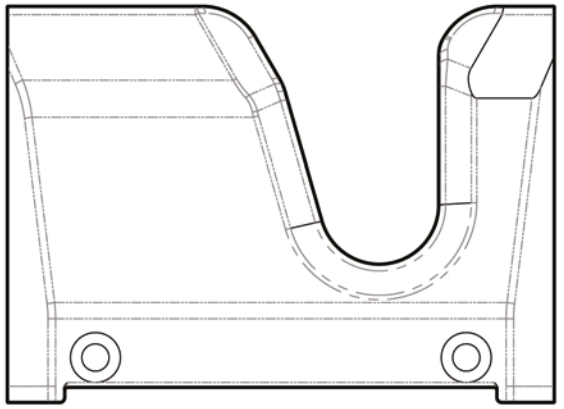
M3/2.2x11Set Screw x 2

DRIVE SHAFTS

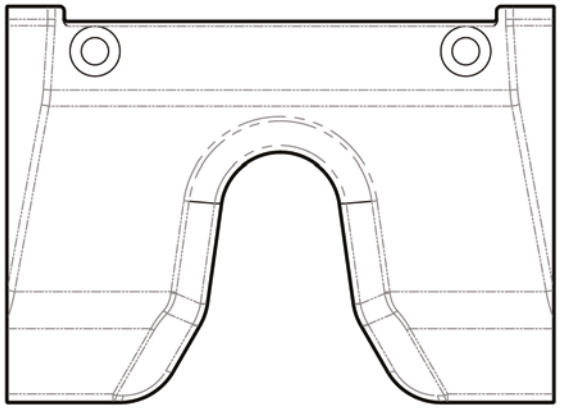
12 - SERVOS & SKID SLIDER

SERVOS & SKID SLIDERS

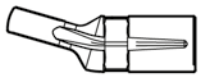
Parts Needed:



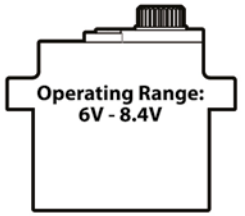
Front Center Skid Slider x 1
#BRX020107F



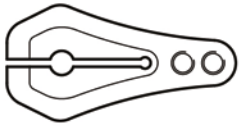
Rear Center Skid Slider x 1
#BRX020107R



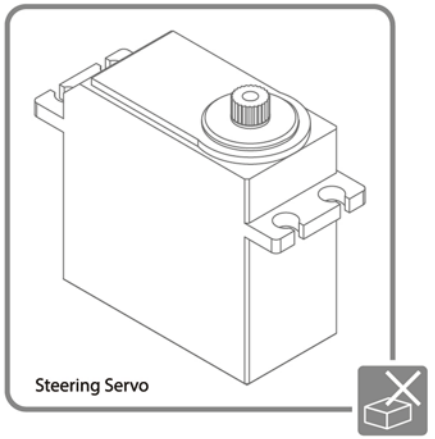
Nylon Rod End (Upwards 20.0mm) x 1
#BRW750307D

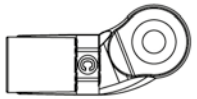


JX Waterproof HV Mini Servo x 1
#JX/PDI-HV1151MG



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





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



BADASS™
Stainless Steel Pivot Ball x 2
#BRW750310



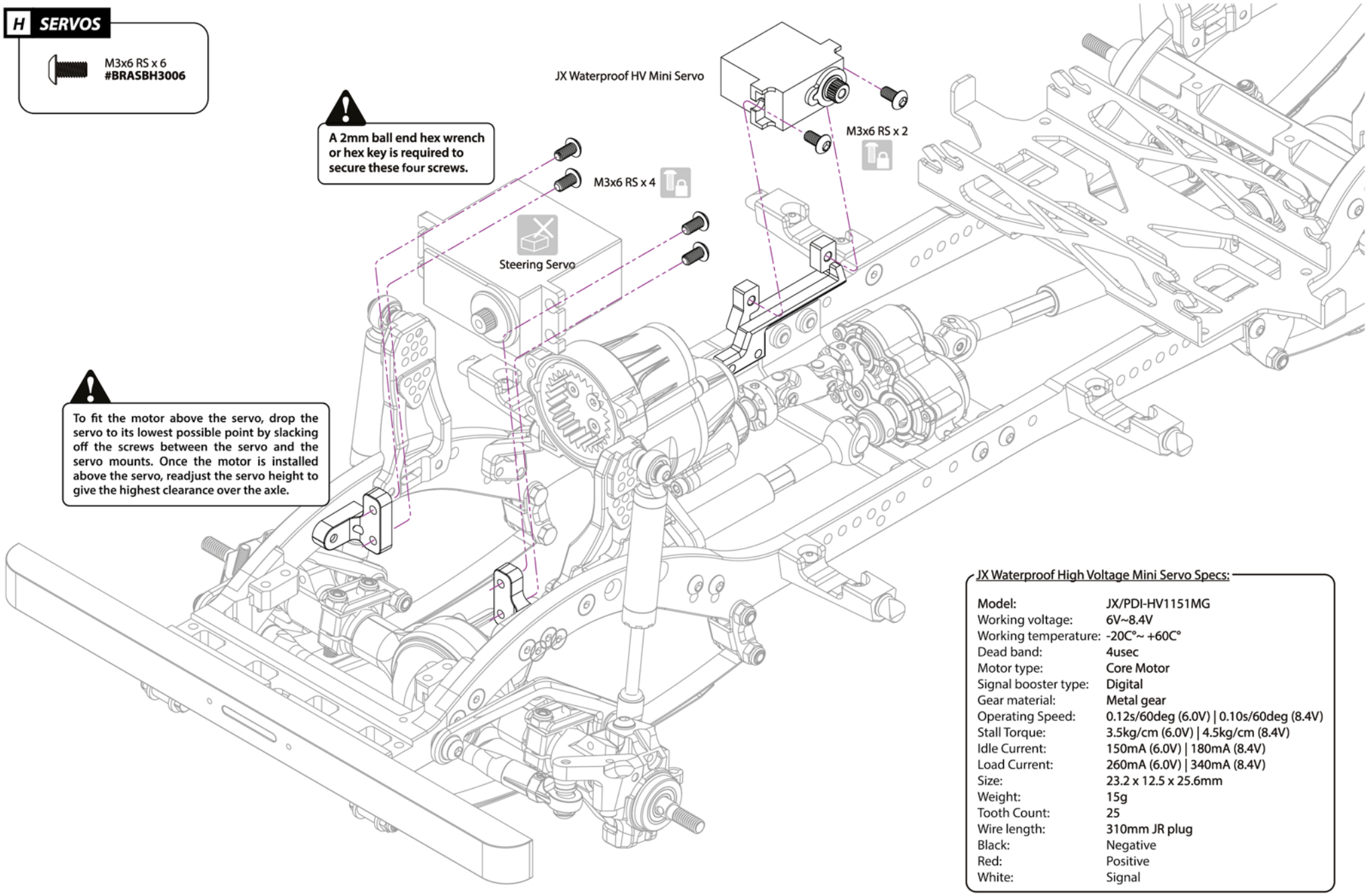
Fine Tunable Link - 55mm x 1
#BRLC7050

H SERVOS

M3x6 RS x 6
#BRASBH3006

A 2mm ball end hex wrench or hex key is required to secure these four screws.

To fit the motor above the servo, drop the servo to its lowest possible point by slacking off the screws between the servo and the servo mounts. Once the motor is installed above the servo, readjust the servo height to give the highest clearance over the axle.



JX Waterproof High Voltage Mini Servo Specs:

Model:	JX/PDI-HV1151MG
Working voltage:	6V~8.4V
Working temperature:	-20C°~ +60C°
Dead band:	4usec
Motor type:	Core Motor
Signal booster type:	Digital
Gear material:	Metal gear
Operating Speed:	0.12s/60deg (6.0V) | 0.10s/60deg (8.4V)
Stall Torque:	3.5kg/cm (6.0V) | 4.5kg/cm (8.4V)
Idle Current:	150mA (6.0V) | 180mA (8.4V)
Load Current:	260mA (6.0V) | 340mA (8.4V)
Size:	23.2 x 12.5 x 25.6mm
Weight:	15g
Tooth Count:	25
Wire length:	310mm JR plug
Black:	Negative
Red:	Positive
White:	Signal

SERVOS & SKID SLIDERS

A CHASSIS

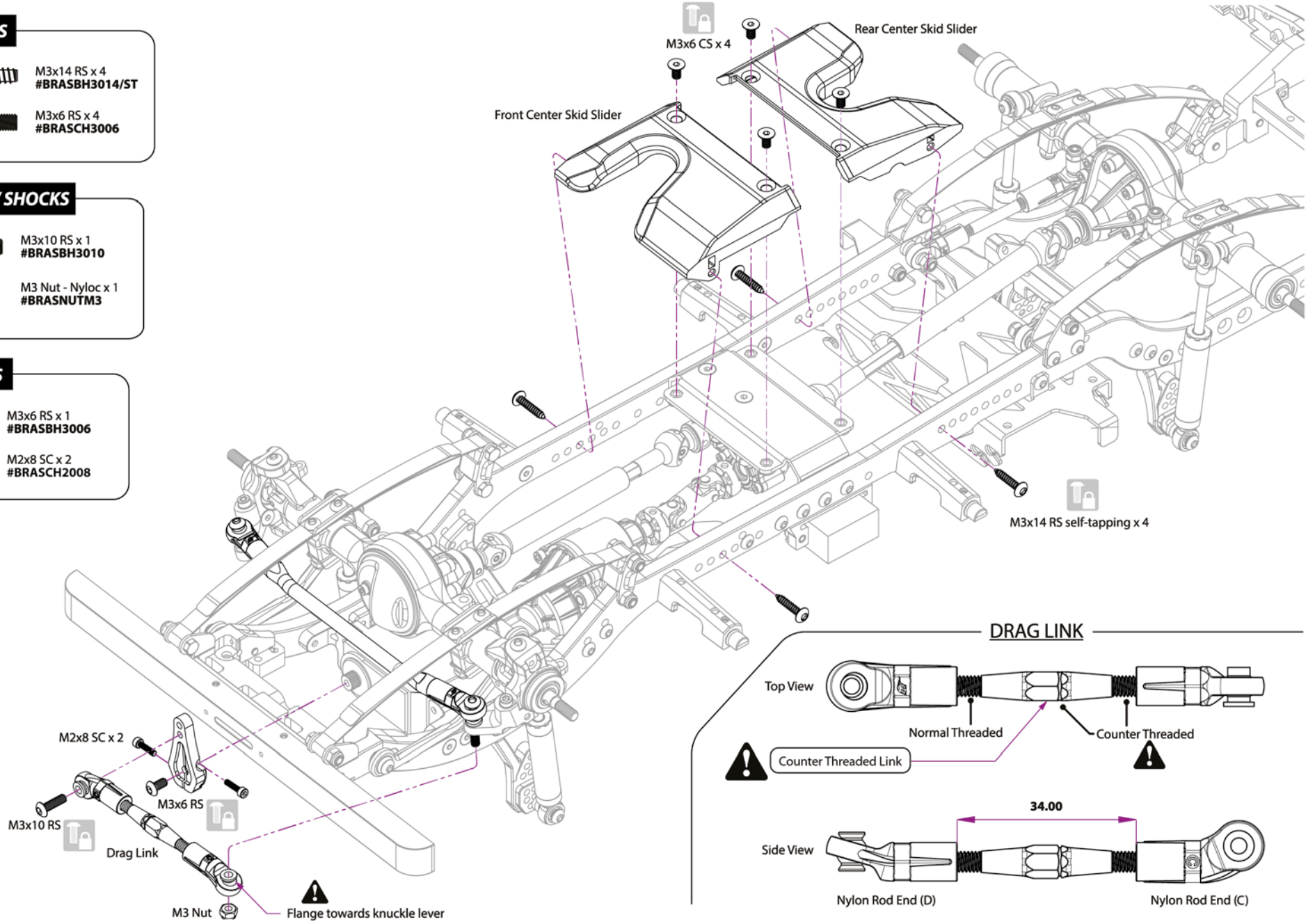
- M3x14 RS x 4 **#BRASBH3014/ST**
- M3x6 RS x 4 **#BRASCH3006**

B LEAFS / SHOCKS

- M3x10 RS x 1 **#BRASBH3010**
- M3 Nut - Nyloc x 1 **#BRASNUTM3**

H SERVOS

- M3x6 RS x 1 **#BRASBH3006**
- M2x8 SC x 2 **#BRASCH2008**



13 - SHIFT ROD

Parts Needed:



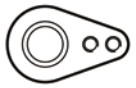
Shift Rod x 1
#BRX020051



D2 Ball & Rod End x 1
#BRQ90351

H SERVOS

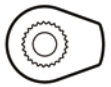
#BRLC7049



Follower Horn A



Spring Horn A



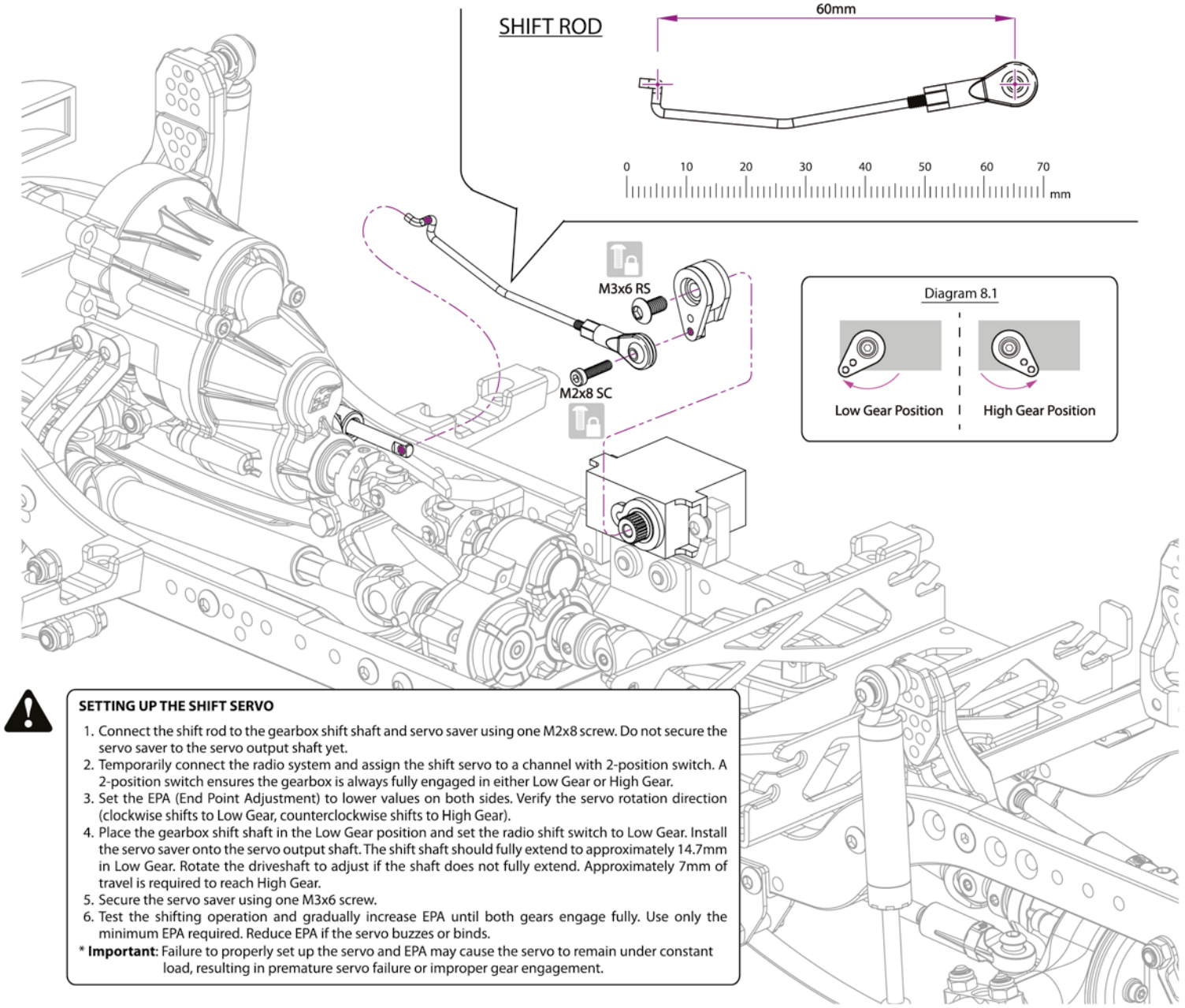
Initiator Horn A



M3x6 RS x 1
#BRASBH3006



M2x8 SC x 1
#BRASCH2008



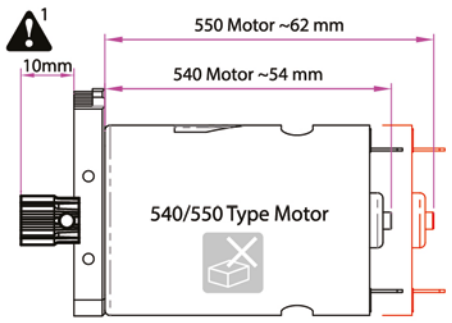
SETTING UP THE SHIFT SERVO

1. Connect the shift rod to the gearbox shift shaft and servo saver using one M2x8 screw. Do not secure the servo saver to the servo output shaft yet.
2. Temporarily connect the radio system and assign the shift servo to a channel with 2-position switch. A 2-position switch ensures the gearbox is always fully engaged in either Low Gear or High Gear.
3. Set the EPA (End Point Adjustment) to lower values on both sides. Verify the servo rotation direction (clockwise shifts to Low Gear, counterclockwise shifts to High Gear).
4. Place the gearbox shift shaft in the Low Gear position 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 shaft does not fully extend. Approximately 7mm of travel is required to reach High Gear.
5. Secure the servo saver using one M3x6 screw.
6. Test the shifting operation and gradually increase EPA until both gears engage fully. Use only the minimum EPA required. Reduce EPA if the servo buzzes or binds.

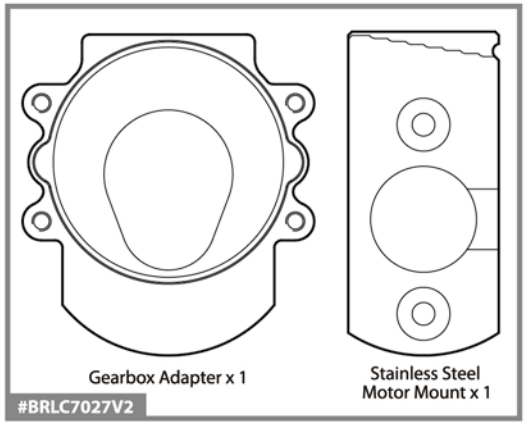
* **Important**: Failure to properly set up the servo and EPA may cause the servo to remain under constant load, resulting in premature servo failure or improper gear engagement.

SHIFT ROD

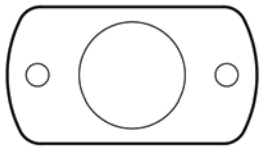
Parts Needed:



540/550 type motors can be used on BRX02.



E GEARBOX / TRANSFER CASE



Motor Spacer x 1
#BRLC7032

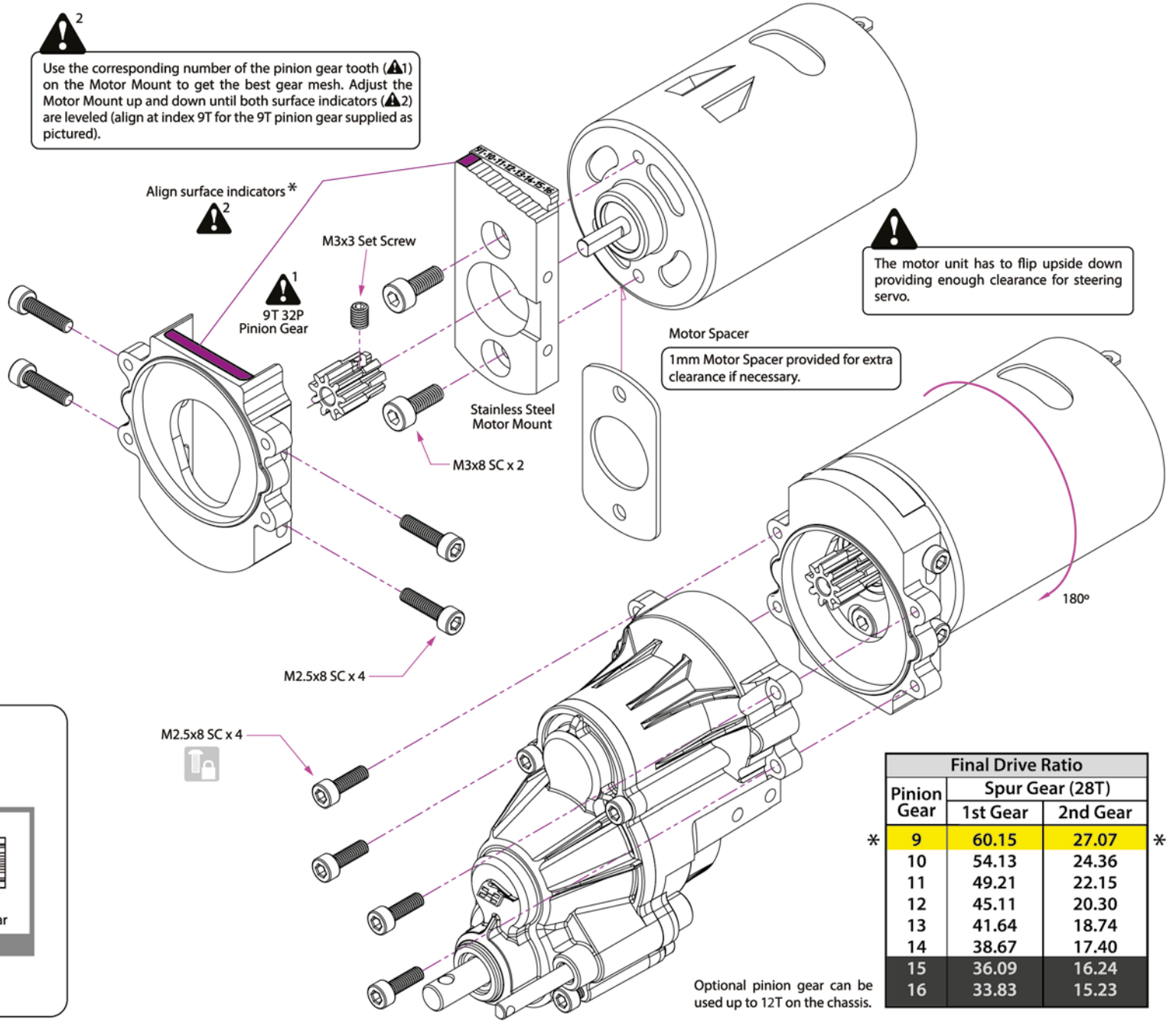


M3x8 SC x 2
#BRASCH3008



M2.5x8 SC x 8
#BRASCH2508





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

Optional pinion gear can be used up to 12T on the chassis.

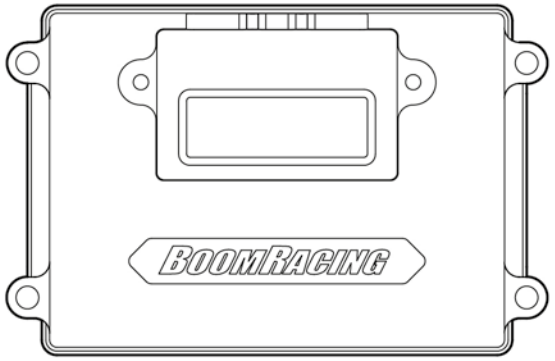
MOTOR

15 - RECEIVER BOX & ELECTRONICS INSTALLATION

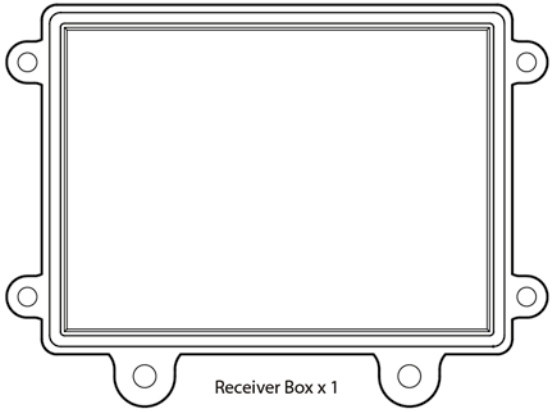
RECEIVER BOX & ELECTRONICS

Parts Needed:

#BRLC7033

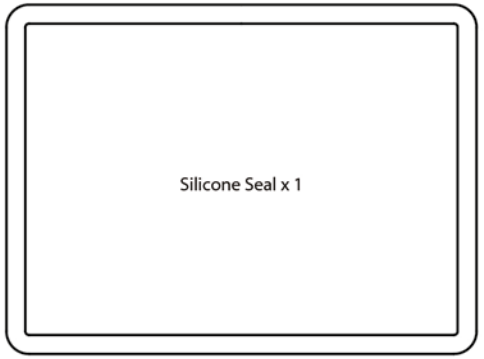


Receiver Box Lid x 1



Receiver Box x 1

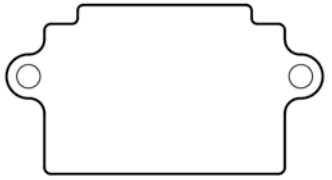
#BRLC7033A



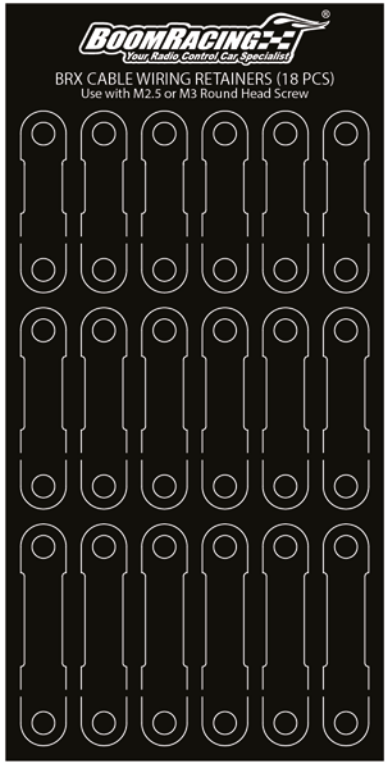
Silicone Seal x 1



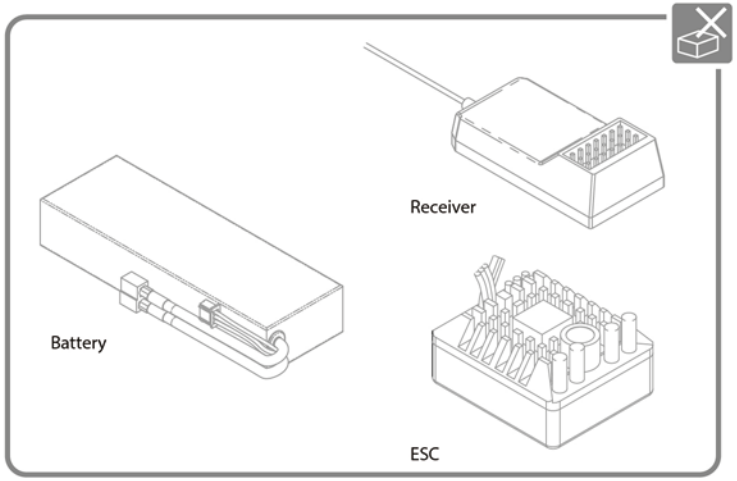
Silicone Port x 1



Stainless Steel Sealing Plate x 1



Cable Wiring Retainers
#BRT10037



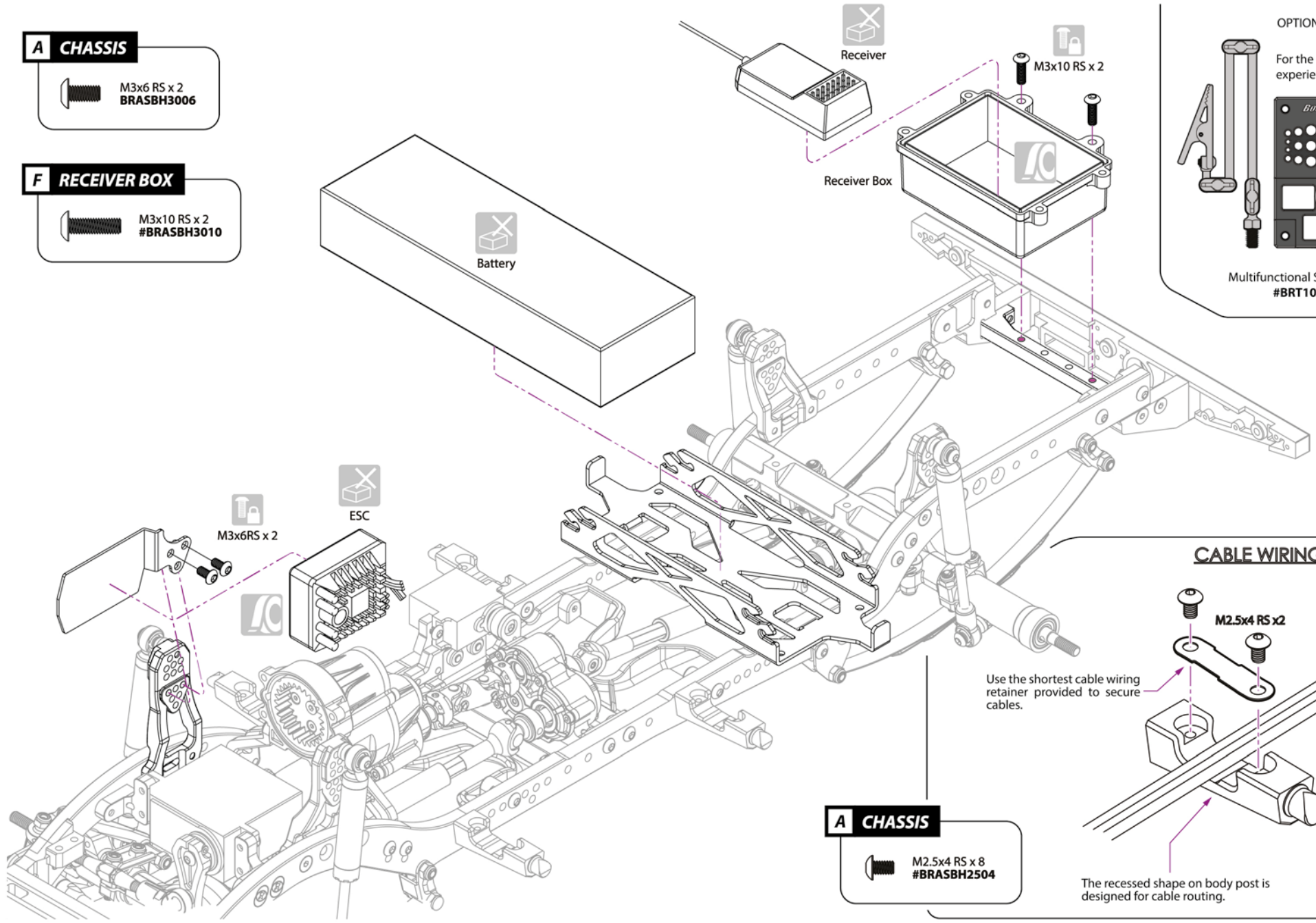
RECEIVER BOX & ELECTRONICS

A CHASSIS

M3x6 RS x 2
BRASBH3006

F RECEIVER BOX

M3x10 RS x 2
#BRASBH3010



OPTIONAL

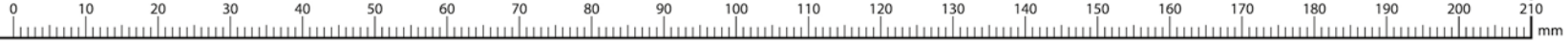
For the ultimate soldering experience you can use this.

Multifunctional Soldering Jig
#BRT10058

CABLE WIRING RETAINER

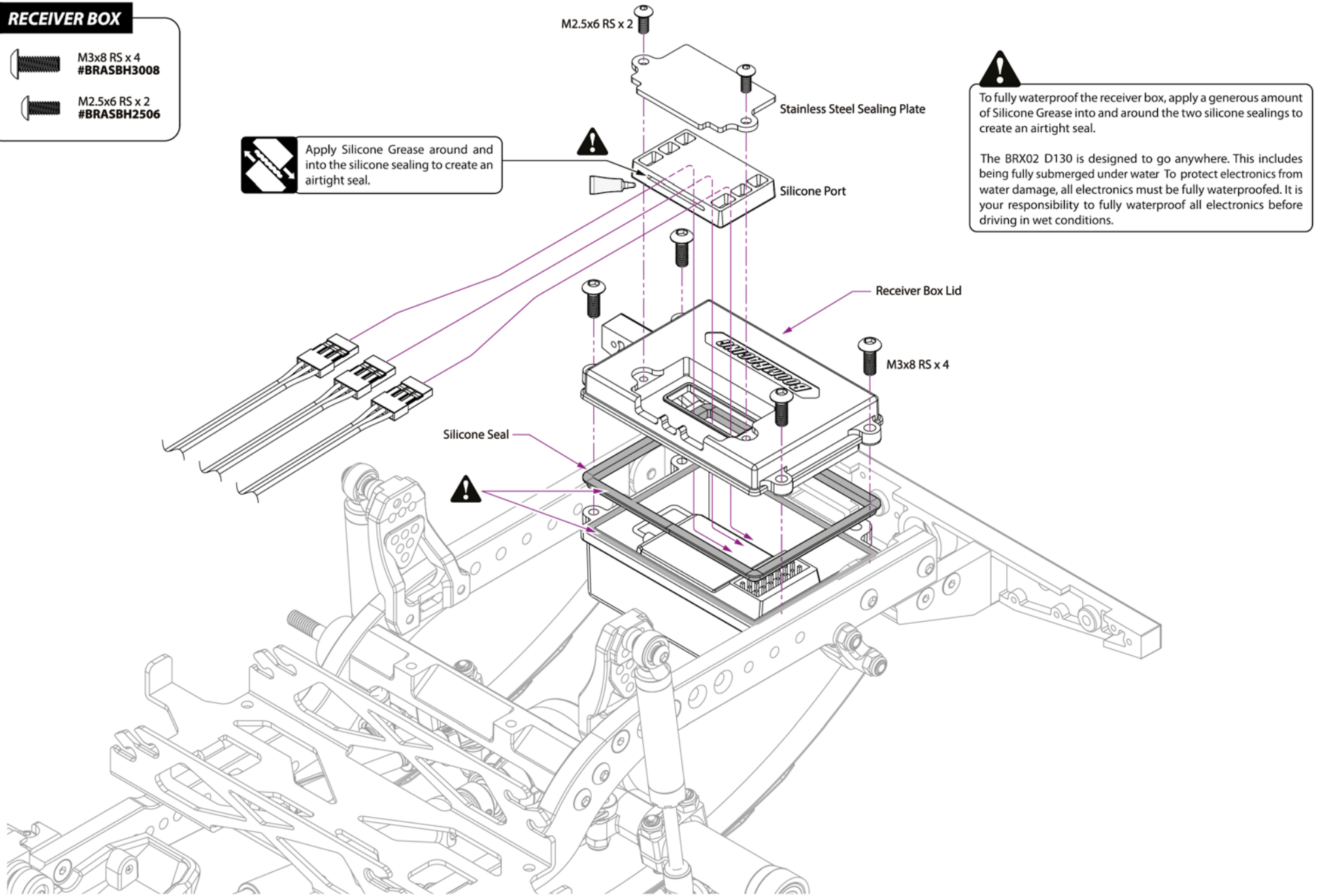
A CHASSIS

M2.5x4 RS x 8
#BRASBH2504



F RECEIVER BOX

- M3x8 RS x 4 **#BRASBH3008**
- M2.5x6 RS x 2 **#BRASBH2506**

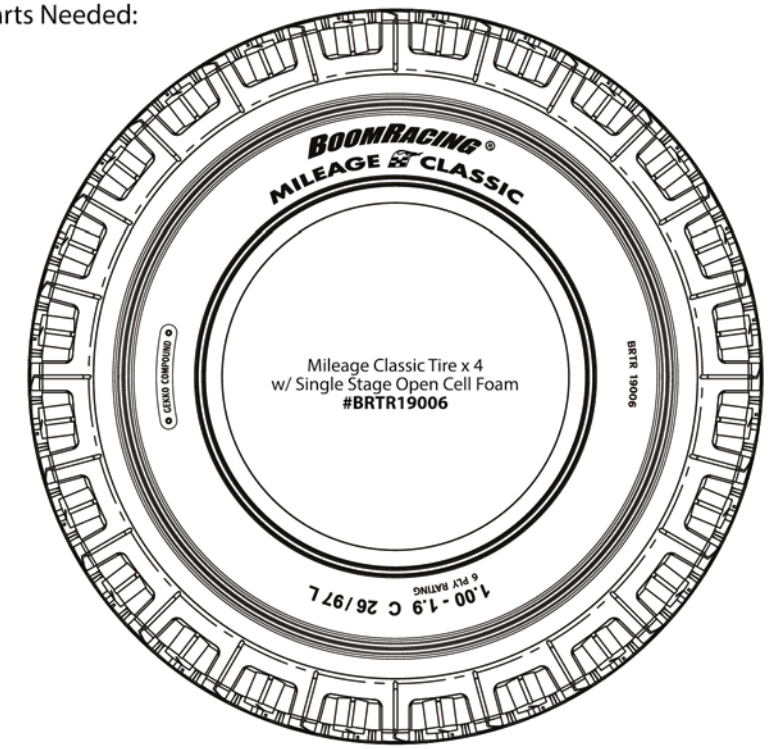


To fully waterproof the receiver box, apply a generous amount of Silicone Grease into and around the two silicone sealings to create an airtight seal.

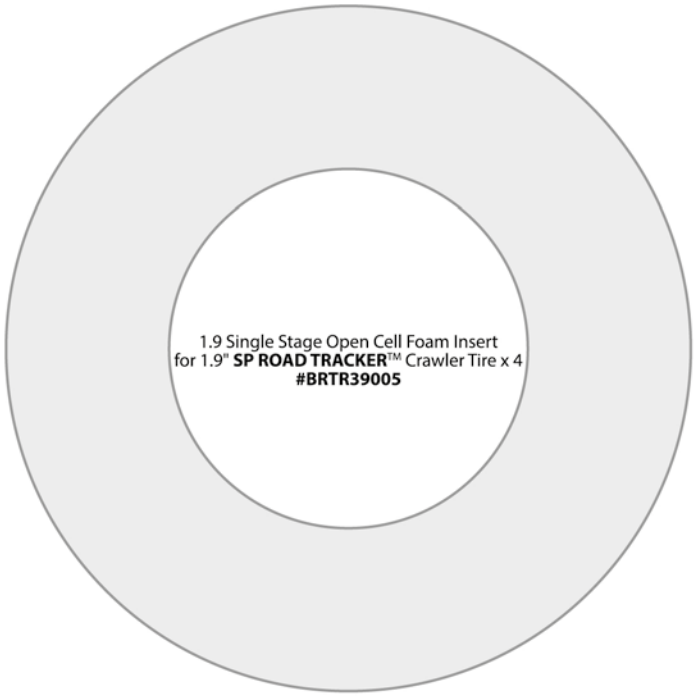
The BRX02 D130 is designed to go anywhere. This includes being fully submerged under water To protect electronics from water damage, all electronics must be fully waterproofed. It is your responsibility to fully waterproof all electronics before driving in wet conditions.

RECEIVER BOX & ELECTRONICS

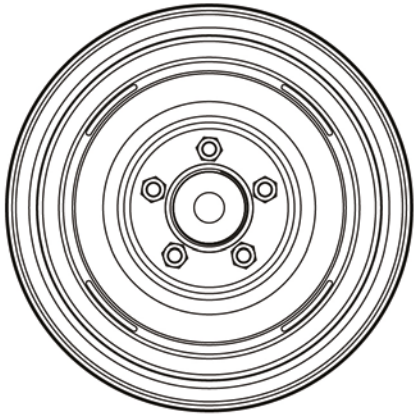
Parts Needed:



Mileage Classic Tire x 4
w/ Single Stage Open Cell Foam
#BRTR19006



1.9 Single Stage Open Cell Foam Insert
for 1.9" **SP ROAD TRACKER**™ Crawler Tire x 4
#BRTR39005



SLR™ 1.9 Classic Steel Wheel x 4
w/ Cap and Scale Hardware
with (#XT502PIN) Wheel Hub



Nylon Wheel Hub Caps x 4
#BRW780944

C LEAF SPRINGS



M2.5x14 RS x 2
#BRASBH2514



2.5 Nut x 2
#BRASNUTM25

D WHEELS



M4 Nut - Nyloc x 4
#BRASNUTM4

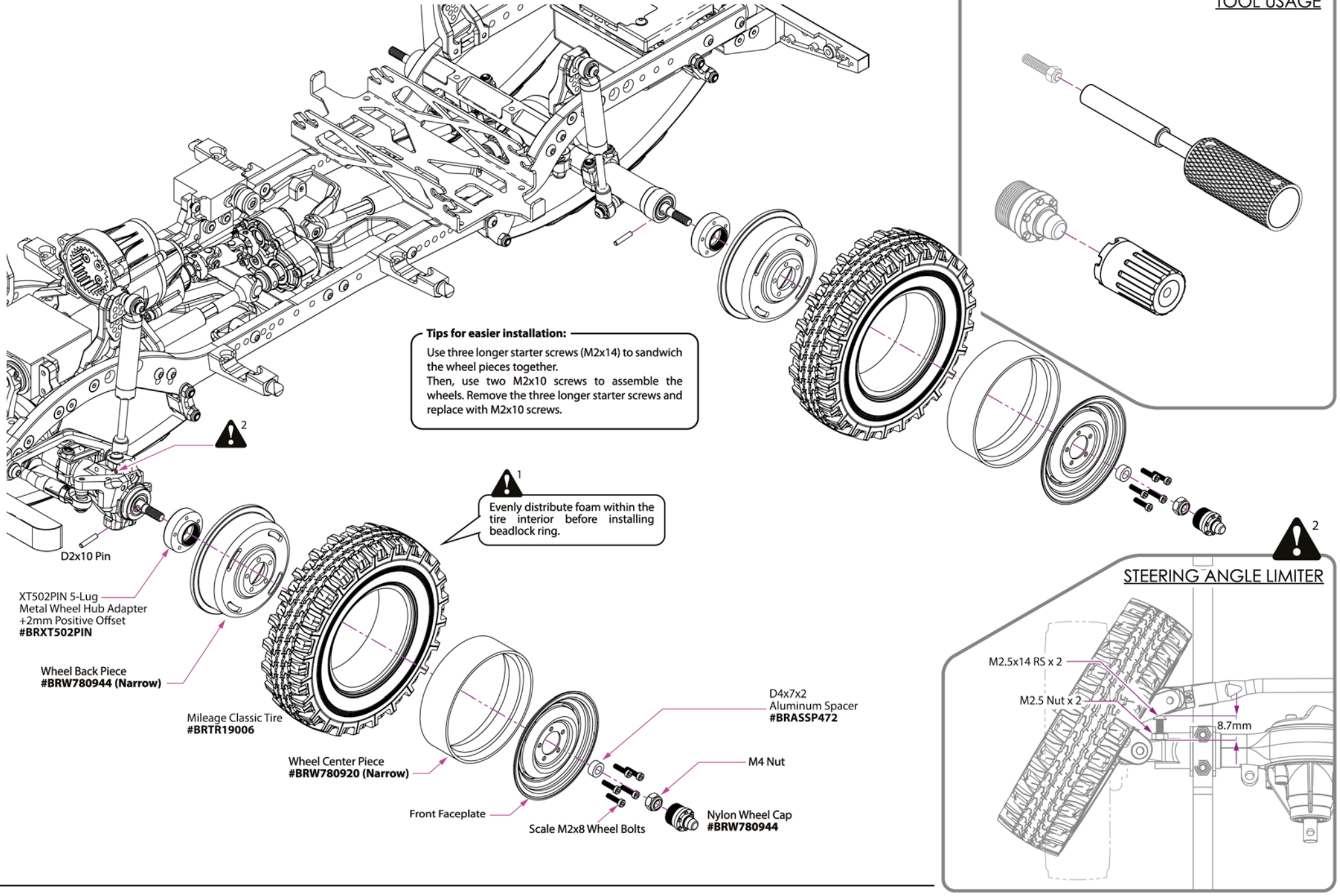


2x10mm Pin x 4
#BRASPIN210



D4x7x2
Aluminum Spacer x 4
#BRASSP472

WHEELS & TIRES



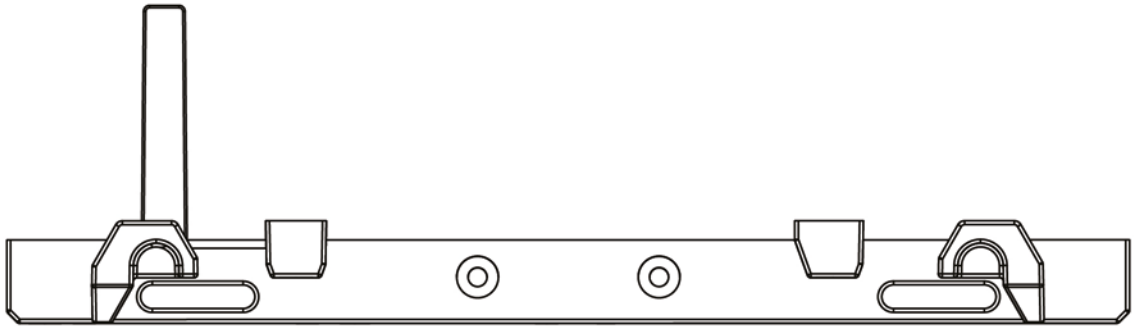
TOOL USAGE

STEERING ANGLE LIMITER

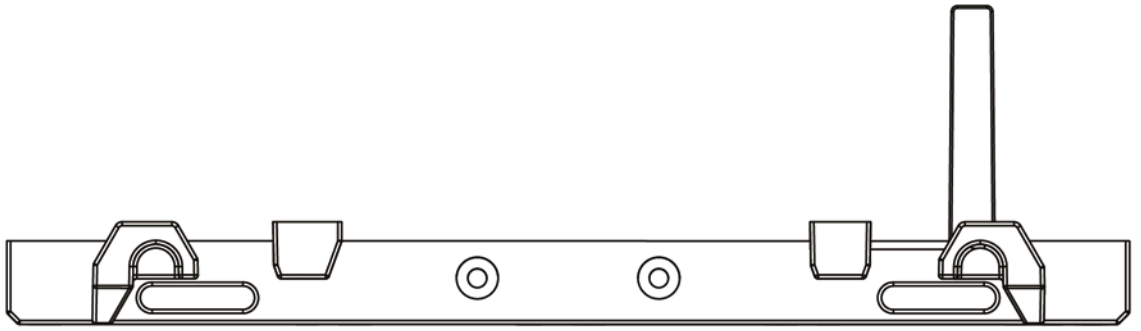
WHEELS & TIRES

#BRX020112

Parts Needed:



S3 Body Brace Left x 1



S3 Body Brace Right x 1



Quick Release Body Latch x 2
#BRX020061

G BODY MOUNTS



M3x14 RS x 4
#BRASBH3014



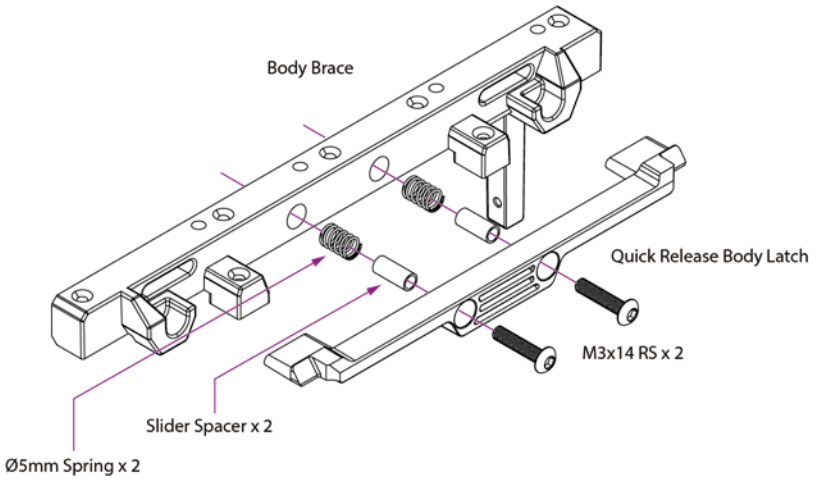
Ø5mm Spring x 4
#BRASSPRING05510



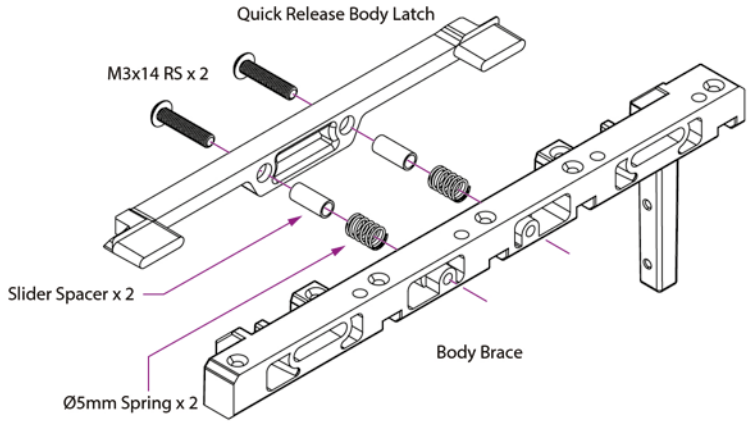
Slider Spacer x 4
#BRX020035

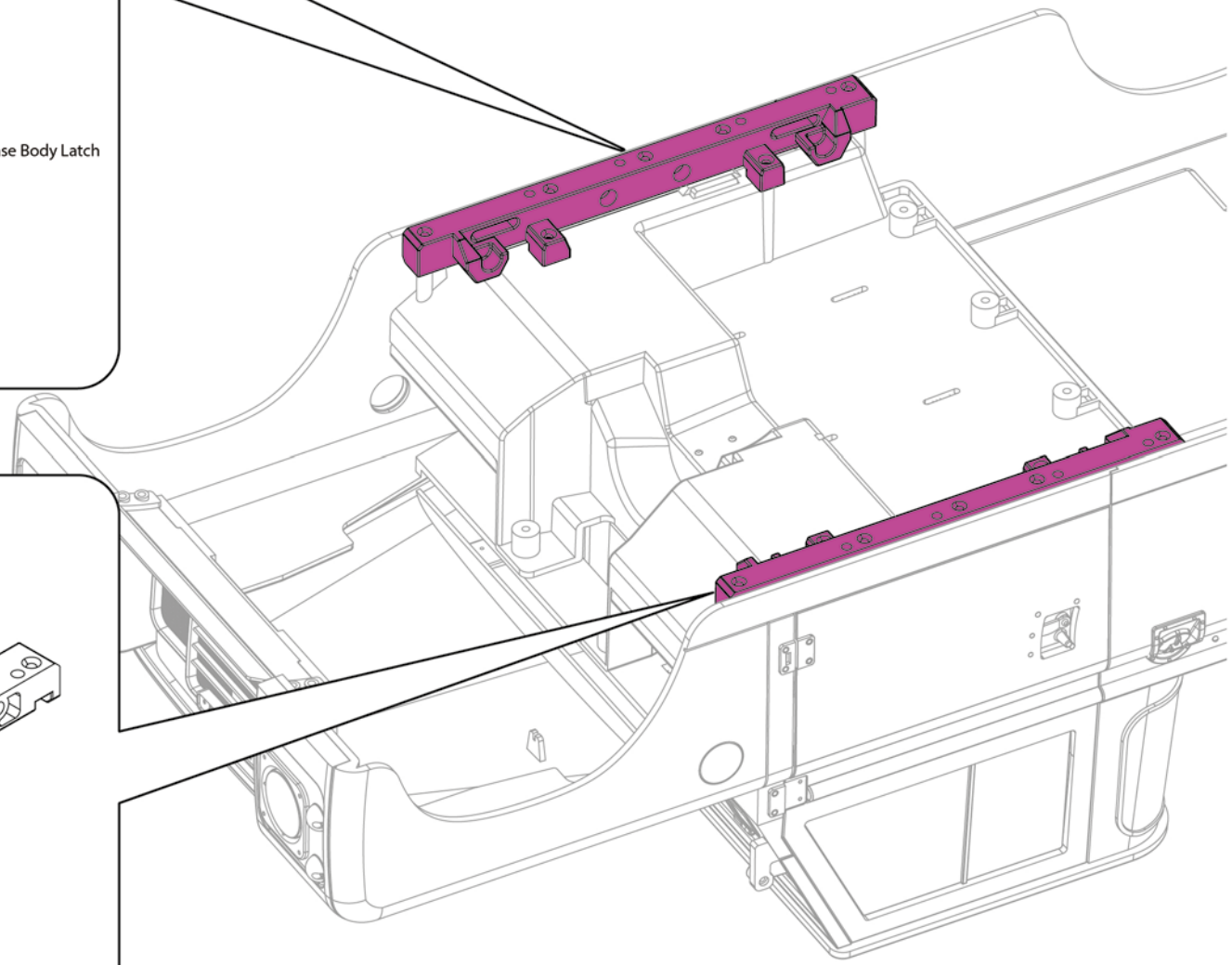
BODY MOUNT

QUICK RELEASE BODY MOUNT - LEFT



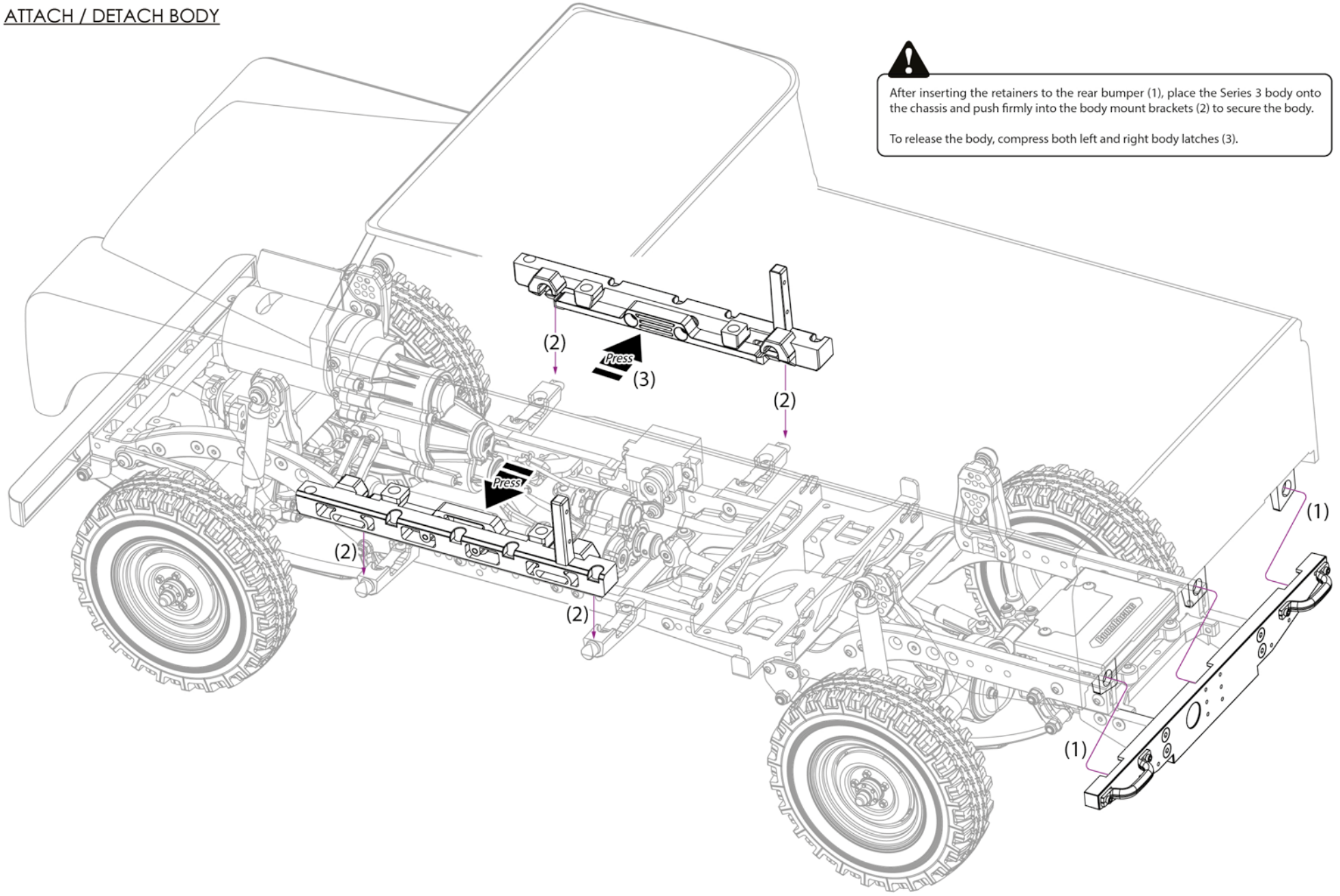
QUICK RELEASE BODY MOUNT - RIGHT





BODY MOUNT

ATTACH / DETACH BODY



After inserting the retainers to the rear bumper (1), place the Series 3 body onto the chassis and push firmly into the body mount brackets (2) to secure the body.

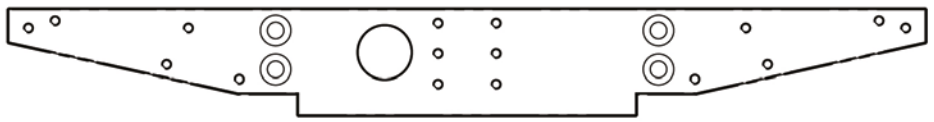
To release the body, compress both left and right body latches (3).

BODY MOUNT

18 - REAR BUMPERETTE INSTALLATION

REAR BUMPERETTE UNSTALLATION

Parts Needed:



Rear Bumper x 1
#BRX020109R



S3 Rear Bumperette x 2
#BRX020113

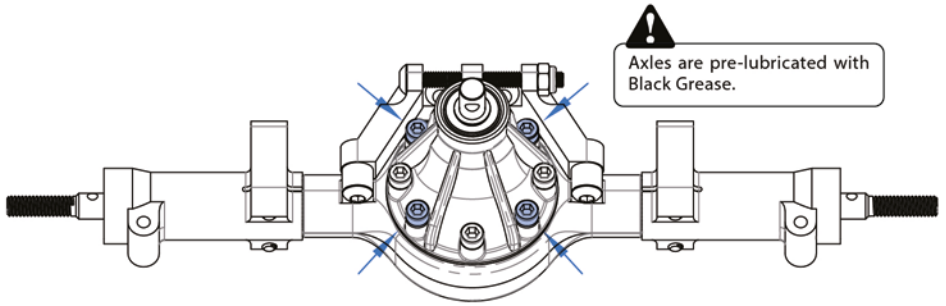
A CHASSIS



M2x4 SC Small Cap x 4
#BRASCH2004

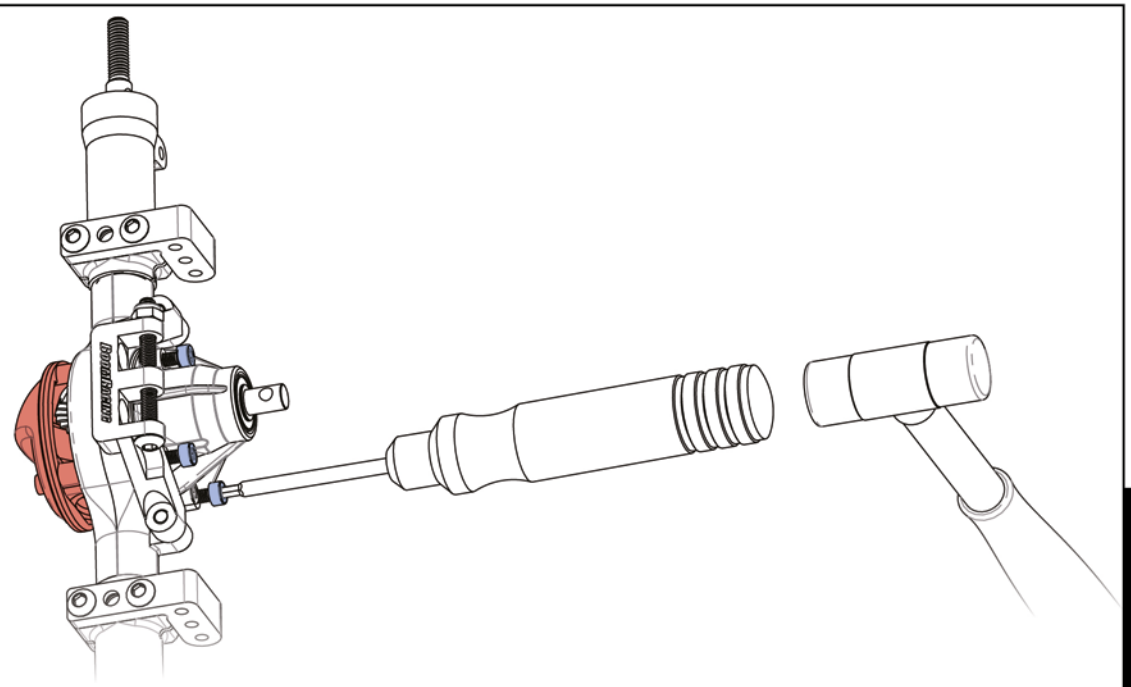
PRE-ASSEMBLED AXLE

Front Diff Cover Release Method In Case Assembly Is Tight.

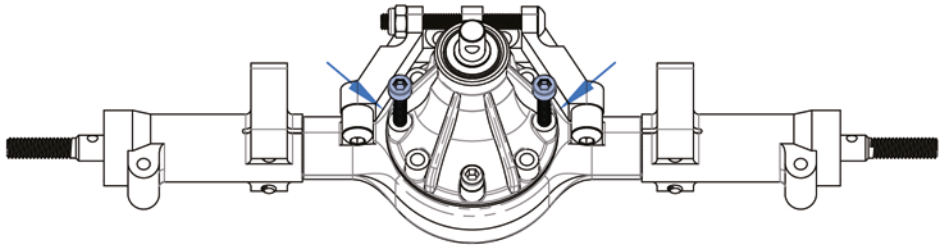


Step 1 - Loosen four M2.5x16mm socket screws indicated making the screw cap 3 mm apart from the case.

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



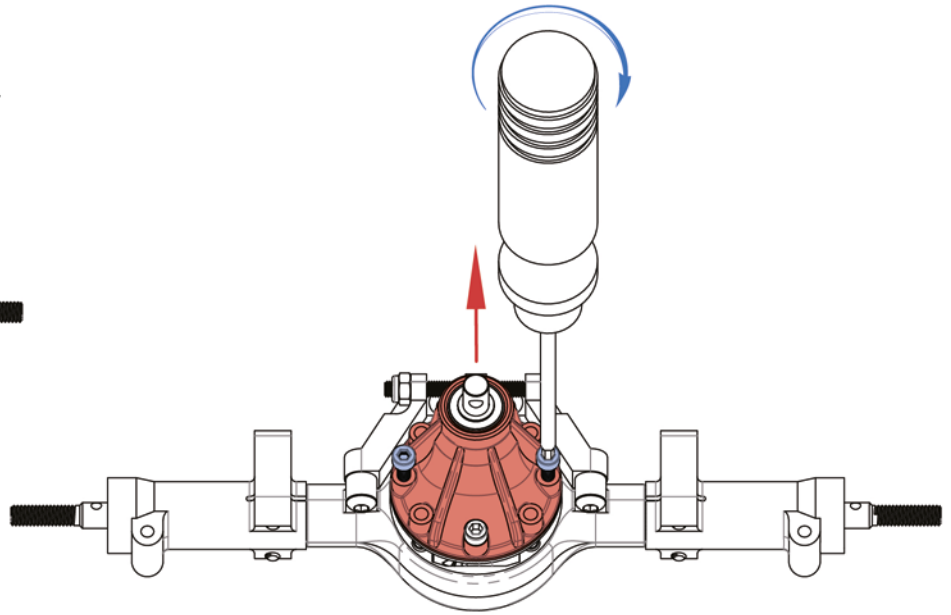
The Third Member Release Method When Assembly Is Tight.



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

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

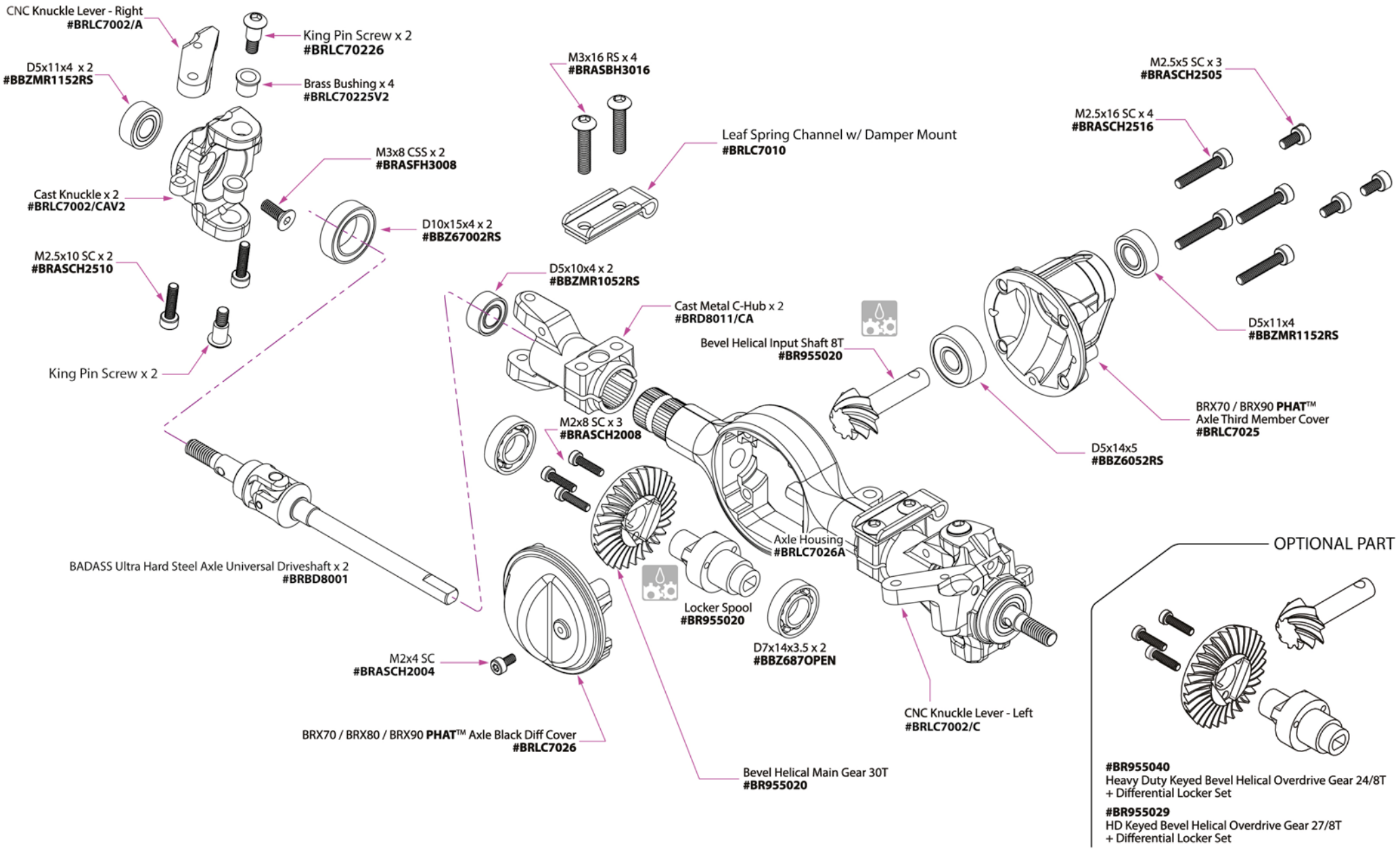
Step 3 - Lightly torque the screws until the third member is released



AXLES & LEAF SPRING SYSTEM

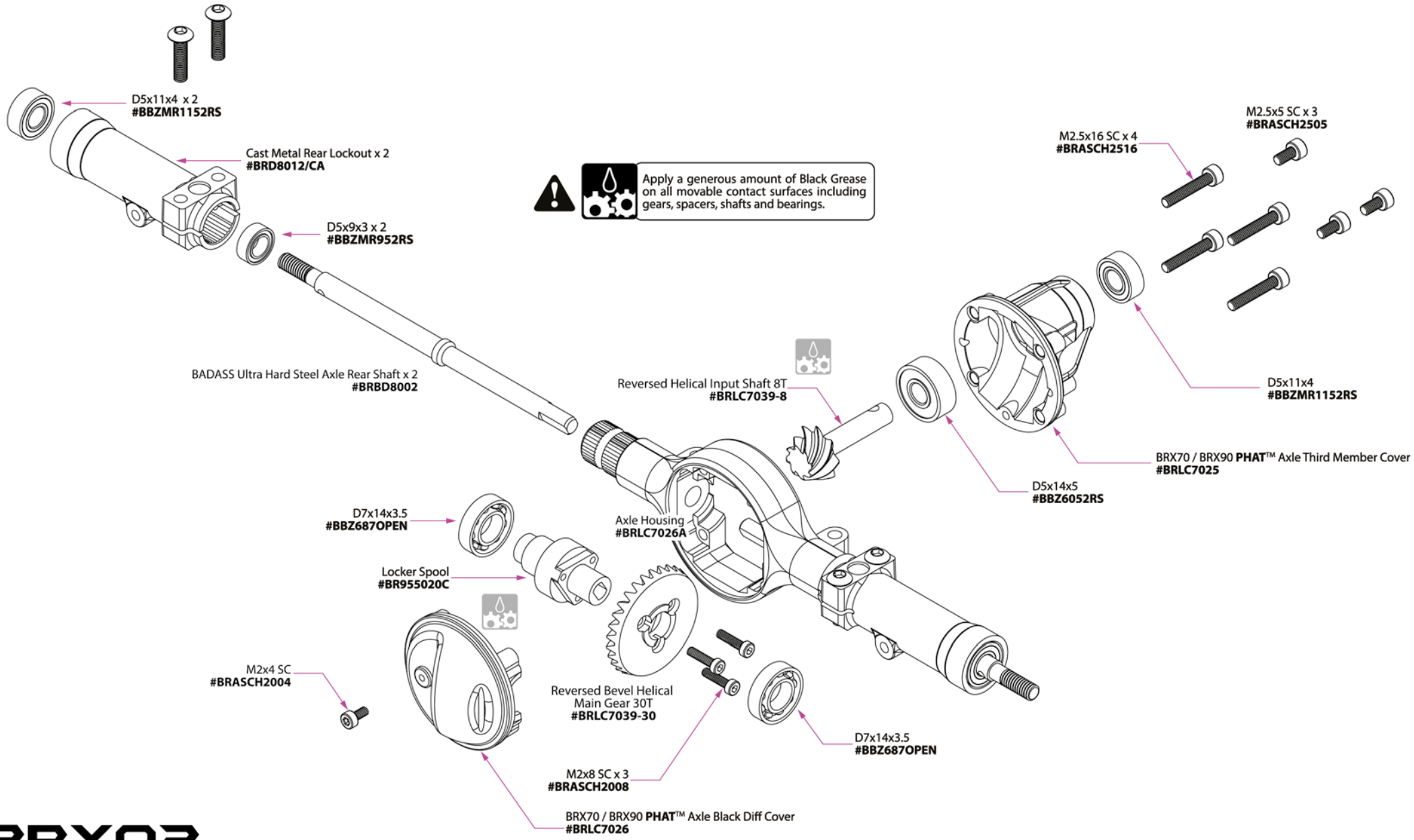
PRE-ASSEMBLED FRONT AXLE

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



PARTS LIST

Part #	Description
BBZ6052RS	5x14x5mm High Performance Rubber Sealed Bearing (1)
BBZ67002RS	10x15x4mm High Performance Rubber Sealed Bearing (1)
BBZ687OPEN	7x14x3.5mm High Performance Open Ball Bearing (1)
BBZMR1052RS	5x10x4mm High Performance Rubber Sealed Bearing (1)
BBZMR1152RS	5x11x4mm High Performance Rubber Sealed Bearing (1)
BBZMR1172RS	7x11x3mm High Performance Rubber Sealed Bearing (1)
BBZMR952RS	5x9x3mm High Performance Rubber Sealed Bearing (1)
BR955014BK	Aluminum Short Low Profile Servo Horn 25T Black
BR955020	Heavy Duty Keyed Bevel Helical Gear 30/8T + Differential Locker Spool Set
BR955020A	Heavy Duty Bevel Helical Main Gear 30T
BR955020B	Heavy Duty Bevel Helical Input Shaft 8T
BR955020C	Diff Locker Spool for HD Helical Bevel Gear
BR955029	Heavy Duty Keyed Bevel Helical Overdrive Gear 27/8T + Differential Locker Set
BRASBH2504	M2.5x4 RS Round Head Screw (10)
BRASBH2506	M2.5x6 RS Round Head Screw (10)
BRASBH2514	M2.5x14 RS Round Head Screw (10)
BRASBH3006	M3x6 RS Round Head Screw (10)
BRASBH3008	M3x8 RS Round Head Screw (10)
BRASBH3010	M3x10 RS Round Head Screw (10)
BRASBH3012	M3x12 RS Round Head Screw (10)
BRASBH3014	M3x14 RS Round Head Screw (10)
BRASBH3016	M3x16 RS Round Head Screw (10)
BRASBH3022	M3x22 RS Round Head Screw (10)
BRASBH3024	M3x24 RS Round Head Screw (10)
BRASCH2004	M2x4 SC Socket Cap Screw (10)
BRASCH2008	M2x8 SC Socket Cap Screw (10)
BRASCH2505	M2.5x5 SC Socket Cap Screw (10)
BRASCH2506	M2.5x6 SC Socket Cap Screw (10)
BRASCH2508	M2.5x8 SC Socket Cap Screw (10)
BRASCH2510	M2.5x10 SC Socket Cap Screw (10)
BRASCH2516	M2.5x16 SC Socket Cap Screw (10)
BRASCH3008	M3x8 SC Socket Cap Screw (10)
BRASEC30	E-Clip 3mm (10)
BRASEC40	E-Clip 4mm (10)
BRASFH2005	M2x5 CSS Counter Sunk Screw (10)
BRASFH2508	M2.5x8 CSS Counter Sunk Screw (10)
BRASFH3006	M3x6 CSS Counter Sunk Screw (10)
BRASFH3008	M3x8 CSS Counter Sunk Screw (10)
BRASFH3010	M3x10 CSS Counter Sunk Screw (10)
BRASHS3005	M3x5 Hex Cap Screw (2)
BRASNUTM25	Nut M2.5 (5)
BRASNUTM3	Lock Nut M3 Nyloc (5)
BRASNUTM4	Lock Nut M4 Nyloc (5)
BRASPIN210	D2x10 Pin (10)

Part #	Description
BRASSP473	D4x7x3 Aluminum Spacer (5)
BRASSPD471/N	D4x7x1 Nylon Spacer (5)
BRASSPD5801	Spacer D5x8x0.1 (10)
BRASSPD5805	Spacer D5x8x0.5 (10)
BRASSPD5730	Spacer D5x7x3 (5)
BRASSPRING05510	Ø5mm Spring (4)
BRASST3003	M3x3 Set Screw (10)
BRASST3004	M3x4 SS Set Screw (10)
BRASST3022/DS	M3/2.2x11 Set Screw (10)
BRASST3024/DS	M3/2.4x11 Set Screw (10)
BRASST4016	M4x16 Set Screw (10)
BRBD8001	Ultra Hard Steel Axle Universal Driveshaft (2)
BRBD8002	Ultra Hard Steel Axle Rear Shaft (2)
BRD8011/CA	Cast Metal C-Hub (2)
BRD8012/CA	Cast Metal Rear Lockout (2)
BRD8022A	Stainless Steel Tie Rod For BRX80 axle
BRGRS01	**BADASS**™ Siliking Grease 5g
BRGRS08	**BADASS**™ Black Graphite Grease 5g
BRGRS09-5GB	**BADASS**™ Shock Slime Grease 5g
BRGRS10274-10	**BADASS**™ Silicone Grease 10g
BRGRS10274-20	**BADASS**™ Silicone Grease 20g
BRGRS1055-10	**BADASS**™ Black Graphite Grease 10g
BRGRS1055-20	**BADASS**™ Black Graphite Grease 20g
BRGRS242	242 Blue Thread Lock 10g
BRLC7002/A	Aluminum Knuckle Lever (High Clearance) - Right
BRLC7002/C	Aluminum Knuckle Lever (High Clearance) - Left
BRLC7002/CA	Cast Metal Knuckle (2)
BRLC7010	Steel Leaf Spring Channel w/ Shock Mount for BRX70 / BRX80 / BRX90 Axle (2)
BRLC7022A	Brass Bushing for BRX70 / BRX80 / BRX90 Axle Knuckle (4)
BRLC7025	BRX70 / BRX80 / BRX90 **PHAT**™ Axle Third Member Cover
BRLC7026	BRX70 / BRX80 / BRX90 **PHAT**™ Axle Black Diff Cover
BRLC7026A	BRX70 / BRX80 / BRX90 **PHAT**™ Axle Housing
BRLC7027	Aluminum Gearbox Adapter w/ Motor Mount
BRLC7029-12T	Heavy Duty 12T Spur Gear
BRLC7029-15T	Heavy Duty 15T Spur Gear
BRLC7029-20T	Heavy Duty 20T Spur Gear
BRLC7029-24T	Heavy Duty 24T Spur Gear
BRLC7029-32T	Heavy Duty 32T Spur Gear
BRLC7030	Spur Gear Mount
BRLC7031	Internal Spur Gear 28T
BRLC7032	Steel Motor Spacer
BRLC7033	BRX Universal Receiver Box Set w/ Silicone Seals
BRLC7033A	Silicone Seal & Port for BRX Receive Box
BRLC7039	30/8T Reverse HD Steel Triangular Keyed Bevel Helical Cut Diff Gear w/ Spool Set
BRLC7039-8	HD Steel Reversed Helical Input Shaft 8T

PARTS LIST

Part #	Description
BRLC7039-30	HD Steel Reversed Bevel Helical Main Gear 30T
BRLC7041	M3x6x3 Tapper Spacer (4)
BRLC7044	Ultra Hard Steel Gearbox Shaft Set (3pcs)
BRLC7044A	Ultra Hard Steel Gear Catcher
BRLC7044B	Input shaft
BRLC7044C	Output Shaft
BRLC7044E	2-Speed Gear Unit
BRLC7045A	Brass Shifter Cap & Bushing
BRLC7045B	Ultra Hard Steel Shifter
BRLC7045C	Stainless Steel Shift Rod
BRLC7049	Mini Servo Horn
BRLC7050	Fine Tunable Link
BRLC7060	2-Speed Gear Circle Clip (5)
BRLC7064A	Leaf Spring Set (2)
BRLC7064C	Stainless Steel M4X40 Anti-wrap Bar (2)
BRLC7064D	Rear Shackle (2)
BRLC7064E	M3x14 Bolt
BRLC7064F	Rear Leaf Retainer (Outside & inside) (2)
BRLC7095	Extension Cable (2)
BRLC7207	Input Shaft for **B2X**™ Transfer Case
BRLC7208	Rear Output Shaft For OD & SWD Transfer Case
BRLC70201-B	Front Output Shaft For OD & SWD Transfer Case
BRLC70201-GEAR	Over-drive Gear Set
BRLC70210	Gear Set 20Tx1 29Tx2 For SWD Transfer Case
BRPG3212-3	32P 12T / 3.175mm Steel Pinion Gear
BRPROB-17	ProBuild™ 3.0mm Socket Driver Thumb Tool
BRQ90351	D2 Ball & Rod End
BRRM19006	Rock Monster RED Silicone Tire Insert 3.5"x0.84" (90x21mm)
BRSH0080	**KUDU**™ 80mm Scale Shock Absorber (2)
BRSHJR	Pivot Ball Retainer (4)
BRSORD6-15	D6x1.5 O-Ring (10)
BRT10037	Cable Wiring Retainer
BRT10028	Tool Kit
BRT10053	Pivot Ball Tool
BRTR19006	1.9" **Mileage Classic**™ Scale Crawler Tire **GEKKO** Compound 3.82"x1.0" (97x26mm) w/ Single Stage Open Cell Foam (2)
BRTR39005	Single Stage Open Cell Foam Insert for 1.9" **Mileage Classic**™ Crawler Tire 3.82"x0.94" (97x24mm) (2)
BRW750300	**BADASS**™ Stainless Steel Pivot Ball (10)
BRW750306A	**KUDU**™ HD Rust-Resistant Rod Ends M4 Nylon (Straight) 18.5mm w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750308C	**KUDU**™ HD Rust-Resistant M4 Nylon Rod Ends 19.5mm (Sideways) w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750309B	**KUDU**™ HD Rust-Resistant Rod Ends M4 Nylon (Straight) 21.8mm w/ SST Pivot Ball (5.8x3x7.4mm) (10)
BRW750310	Shock End Pivote Ball (4)

Part #	Description
BRW780920C	Wheel Center Piece (Narrow)
BRW780944	SLR™ 1.9 Classic Steel Wheel w/cap and Scale Hardware (4)
BRW780944A	SLR™ Wheel Face Plate (2)
BRW780944B	SLR™ Wheel Barrel (2)
BRW780944C	Nylon Wheel Cap (4)
BRW780944D	Wheel Cap Installation Tool (1)
BRW780944E	M2x8 Scale Wheel Bolt (5)
BRX020009	Mini Servo Mount
BRX020012	Rear Crossmember
BRX020014	Mid Crossmember
BRX020016	Front Crossmember
BRX020017	Rear Gearbox Mount
BRX020018F	Front shock Mount (Left & Right)
BRX020018R	Rear Shock Mount (Left & Right)
BRX020019	Rear Bumper Mount (Left & Right)
BRX020020LF	Center Skid Plate
BRX020021	Battery Tray
BRX020027	Front Anti-wrap Bar (2)
BRX020028	Steel Connection Drive Shaft (33mm)
BRX020029	**BCF2**™ Gearbox Housing (A & B)
BRX020029A	Gear Box Bearing Holder
BRX020030	Brass Washer (4)
BRX020034	Body Latch Pin (4)
BRX020035	Slider Spacer (4)
BRX020039	Body Post (4)
BRX020043	**KUDU**™ HD CVD Center Drive Shaft (2)
BRX020051	Shift Rod
BRX020055	Cast C-Hub (2)
BRX020056	Cast Lock Out (2)
BRX020064A	Front Shackle (2)
BRX020064B	Front Leaf Retainer (Left & Right)
BRX020106	Steel Front ESC Mount Plate
BRX020107F	Nylon Center Front Skid Slider
BRX020107R	Nylon Center Rear Skid Slider
BRX020108	Steering Servo Mount (Left & Right)
BRX020109F	Series 3 Aluminum Front Bumper
BRX020109R	Series 3 Aluminum Rear Bumper
BRX020110	Gearbox Side Mount (Left & Right)
BRX020111	**B2X**™ Transfer Case Housing
BRX020112	Quick Release Body Mount for Series 3 (Left & Right)
BRX020113	S3 Rear Bumperette (2)
BRX020114	Aluminum Chassis Rail for S3 109 (Left & Right)
BRX020115F	BRX80 Complete Front **PHAT**™ Axle LEAF Ver.
BRX020115R	BRX80 Complete Rear **PHAT**™ Axle LEAF Ver.
BRXT502PIN	Scale M2x8 Wheel Bolt (5)
JX/PDI-HV1151MG	JX Waterproof High Voltage Mini Servo

PARTS LIST (Optional Accessories)

Part #	Description
Chassis Parts	
BRBD955003J	BADASS™ Heavy Duty Steel Connection Shaft (33mm)
BRX02382	Military Bumper for BRX02 Aluminum Raw Finish
BRX02382BK	Military Bumper for BRX02 Aluminum Black
BRX02340	KUDU™ Aluminum Rock Slider (2) for Land Rover® Series III 109
BRX02338	Aluminum Door Hinge for Series Land Rover Bodies (2)
BRX020068	KUDU™ Front Skidplate with D-Ring Shackles for BRX02 Leaf Spring Version
BRX020067	KUDU™ Universal Front Skidplate for BRX02
BRX020068A	KUDU™ Front D-Ring Shackles & Retainer for BRX02 Leaf Spring Version
BRX020011	6mm Carbon Fiber Chassis Left & Right
BRX020079	Carbon Fiber ESC Mount Plate
BRX020080	KUDU™ Rear Metal Step Bumper w/ Diamond Plate
BRLC7089	Brass Front Knuckle Base Weights for BRX70/BRX80/BRX90 PHAT™ & AR44 Axle (2)
BRD9024	Brass Rear Knuckle Base Weights for BRX80 / BRX90 PHAT™ Axle (2)
BRLC7092	Brass Small Weight Blocks 4g for BRX70/BRX80/BRX90 PHAT™ Axle Knuckle Weight Base (6)
BRD901101KIT	Mini Servo Mount Set for BRX02 & BRX02 109 w/ Mini Servo @ 8.4v
BRD901101	Mini Servo Mount for BRX02 & BRX02 109
BRX02327	Nylon Front Inner Fender for BRX02 88 & 109
BRX02328	Nylon Rear Inner Fender for BRX02 109
BRX02329	Nylon Side Skid Plate for BRX02 109
Drivetrain	
BRLC70201-GEAR	Overdrive HD Gear Set for B2X/DIG/SWD/OD Transfer Cases (33T, 25T, 16T) for BRX Chassis
BRLC70201-OD	Overdrive Transfer Case Kit for BRX01 & BRX02
BRX020101-SWD	SWD (Selective RWD/4WD) Transfer Case Kit for BRX02 & BRX02 109
BRX020102-DIG	DIG Transfer Case Kit for BRX02 & BRX02 109
BR955040	Heavy Duty Keyed Bevel Helical Overdrive Gear 24/8T + Differential Locker Set
BR955029	Heavy Duty Keyed Bevel Helical Overdrive Gear 27/8T + Differential Locker Set
Skid Plate	
BRLC7086F	Front Skid Plate for BRX70/BRX80/BRX90 PHAT™ Axle
BRLC7086R	Rear Skid Plate for BRX70/BRX80/BRX90 PHAT™ Axle
Wheel Accessories	
BRPROB-21NWBK	ProBuild™ 1.9" Low-Profile Brass Narrow Center Ring 16.5mm (1)
BRXT500V2	ProBuild™ XT500 V2 5-Lug Aluminum Wheel Pin Hub Adapters 0MM Offset V2 (2)
BRXT504V2	ProBuild™ XT504 V2 5-Lug Aluminum 12mm Wheel Hub Adapters 4MM Offset V2 (2)
BRXT508V2	ProBuild™ XT508 V2 5-Lug Aluminum 12mm Wheel Hub Adapters 8MM Offset V2 (2)

Part #	Description
Tires & Inserts	
BRTR19015	1.9" Expedition Classic Scale Crawler Tire Gekko Compound 3.86"x1.0" (2)
BRTR19014	1.9" Landy Classic Scale Crawler Tire Gekko Compound 3.82"x1.0" (2)
BRTR19013	1.9" Trophy Classic Scale Crawler Tire Gekko Compound 3.82"x1.0" (2)
BRTR19005	1.9" SP Road Tracker Crawler Tire Gekko Compound 3.82"x0.94" (2)
BRTR19397	1.9" MAXGRAPPLER Scale RC Tire Gekko Compound 3.82"x1.26" Open Cell Foams (2)
BRRM19006	Rock Monster RED Silicone Tire Insert 3.5"x0.84" (90x21mm)
Winch & Winch Accessories	
BR-40SW-3S	3S Muscle Winch™ High Voltage Direct Power 40KG Waterproof Servo Winch w/ Free Spool Unit
BR-36SW	Muscle Winch™ High Torque 36KG Waterproof Servo Winch w/ Free Spool Unit
BRD90110036	Muscle Winch™ Mount Lead Kit for BRX02 & BRX02 109
LED	
BRTLB001	KUDU™ LED Light Module System for BRX02 Series Land Rover
BRX02383	KUDU™ LED Dash Light Set for Land Rover Series II
BRTLB003	KUDU™ LED Rock Light Set for BRX02 Series Land Rover
Pinion Gear	
BRPG3209-3	32P 9T / 3.175mm Steel Pinion Gear (1)
BRPG3210-3	32P 10T / 3.175mm Steel Pinion Gear (1)
BRPG3211-3	32P 11T / 3.175mm Steel Pinion Gear (1)
BRPG3213-3	32P 13T / 3.175mm Steel Pinion Gear (1)
BRPG3214-3	32P 14T / 3.175mm Steel Pinion Gear (1)
BRPG32COMBO1-3	32P Steel Pinion Gear Combo 9T-12T (4)
BRPG32COMBO2-3	32P Steel Pinion Gear Combo 13T-16T (4)
Bearing Set	
BRX01BBZ	High Performance Full Ball Bearings Set Rubber Sealed (32 Total)
BRX01FABBZ	High Performance Ball Bearings Set Rubber Sealed For Front Axle (10 Total)
BRX01GBBBZ	High Performance Ball Bearings Set Rubber Sealed For Gearbox (8 Total)
BRX01RABBZ	High Performance Ball Bearings Set Rubber Sealed For Rear Axle (8 Total)
BRX02TMBBZ	High Performance Ball Bearings Set Rubber Sealed For **B2X**™ Transfer Case (6 Total)

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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Maxee RC

Let me start by saying that driving the new Series III is pure pleasure! I was afraid of this model in the beginning because it is built on leaf springs. I was surprised when I saw it has axle supports with full configuration of the hardness of the leaf springs. The suspension works great, and the ride is very realistic. I'm very happy that we get two versions in one go; the standard Series III pickup with hard top, and the possibility of building a Safari version with a small door and without the roof. Plus, the windshield folding down on the hood is original. Such flavors in the kit are really first league. The model itself is very well made, with attention to details. I am delighted with this model!

Shawn Roche (USA)

This truck has it all - a beautifully done iconic body, a leaf spring chassis that actually performs, and the tried and true BRX drivetrain. With this kit Boom Racing has set the bar for excellence higher than I thought possible.

Jeremy Kilburn

Having built hundreds of R/C kits over the years, the BRX02 109 was a fantastic experience and a top tier kit. It was a true pleasure to assemble a well-engineered and well thought out kit. There was never a moment I wished for more, all the metal and machined parts will keep this vehicle dependable and durable for many years to come.



BOOMRACING®

Your Radio Control Car Specialist

BRX02

BRX02 109 1/10 4WD R/C CHASSIS KIT FOR SERIES LAND ROVER

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