

SCALE **4WD** Series

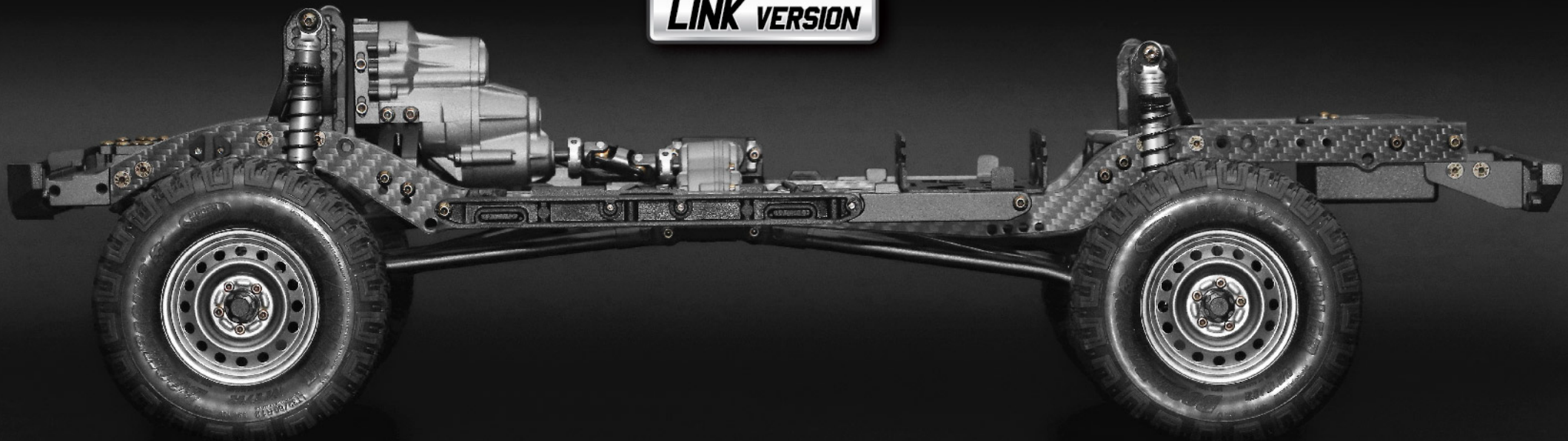
**BOLT-ON KIT**  
PARTIAL ASSEMBLY REQUIRED

**BOOMRACING**   
Your Radio Control Car Specialist

# BRX02

**1/10 4WD RADIO CONTROL CHASSIS KIT FOR D110**

**LINK VERSION**



[WWW.BOOMRACINGRC.COM](http://WWW.BOOMRACINGRC.COM)

PRODUCT CODE: BR8004 INSTRUCTION MANUAL

# THE SCALE PERFORMANCE CONTINUES

Congratulations on your new ownership of this truly extraordinary chassis – the Boom Racing BRX02. As a start, we would like to introduce you to your customized license plates and vehicle VIN number system to identify your vehicle, which are both uniquely yours. All BRX02 chassis kits are numbered and all Boom Racing vehicles with Vehicle Identification Number (VIN) are unique.

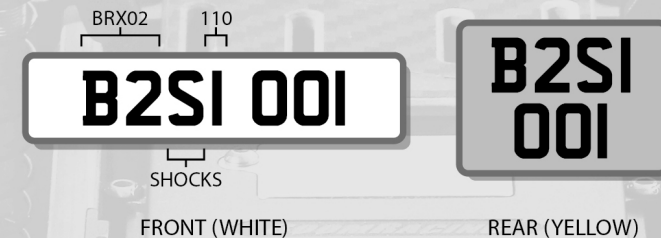
As the original owner, you are eligible to receive a special promotion at each of the events being attended by Boom Racing. Once your vehicle is registered online (<https://www.boomracingrc.com/BRX02/register>), the chassis is officially registered to you and no one else can claim it. This will help with any future updates and can be used to notify you of new options in the future. We believe that this will encourage enthusiasm and interaction between owners and we hope that it will boost attendance at events to push the hobby industry further down the road.

Included with your BRX02 chassis kit is a set of original license plates, commonly used in the UK during the D110 production period. The plates consist of two groups of alphanumeric characters. From left to right, the characters consist of:

- The first two characters signify the BRX02 chassis
- The next letter identifies the chassis type - **S** for Shocks / **L** for Leaf
- The fourth character identifies the wheelbase or vehicle type – **1** for 110 / **9** for 90
- A three or four-letter sequence starting from 001, which uniquely distinguishes each of the vehicles displaying the same initial four-character chassis type and wheelbase sequence.



Scan to register your BRX02



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. The BRX02 kit includes factory pre-built axles, transmission, transfer case and shocks. Shocks require oil to be filled (included).



**⚠ NOT RECOMMENDED FOR CHILDREN UNDER 14 ⚠**

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



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

**BEFORE YOU PROCEED**

Congratulations! Owning the BRX02 is a truly special experience.

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

Study the instructions thoroughly before assembly.

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

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

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

**SAFETY PRECAUTIONS**

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

Follow these outlined rules for safe radio control operation

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

Inspect Your BRX02 Before and After Operation

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

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

This warranty is extended to the original end-user that registers it online (<https://www.boomracingrc.com/BRX02/register>) 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.boomracingrc.com/contact-us>
- Email: [sales@boomracingrc.com](mailto:sales@boomracingrc.com)
- Telephone: 1-209-676-8880
- Facebook Messenger: ([www.fb.com/boomracingrc](http://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

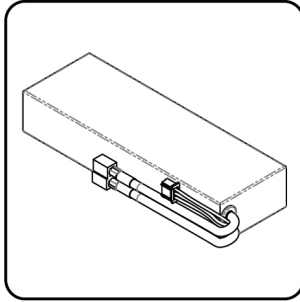
3. Place any necessary return authorization number prominently on the outside of the return packaging. Return packaging not bearing a return authorization number where required may be refused.

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

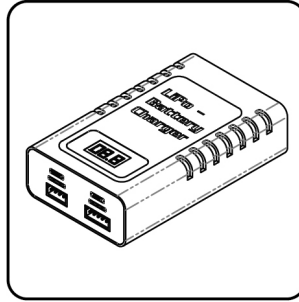
## Equipment Required



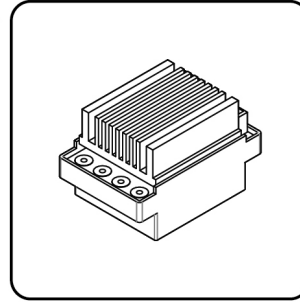
3CH Radio



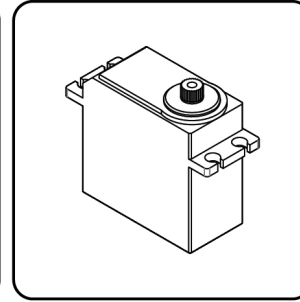
Battery



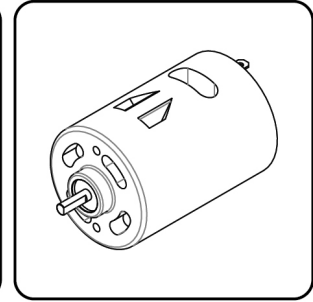
Charger



ESC

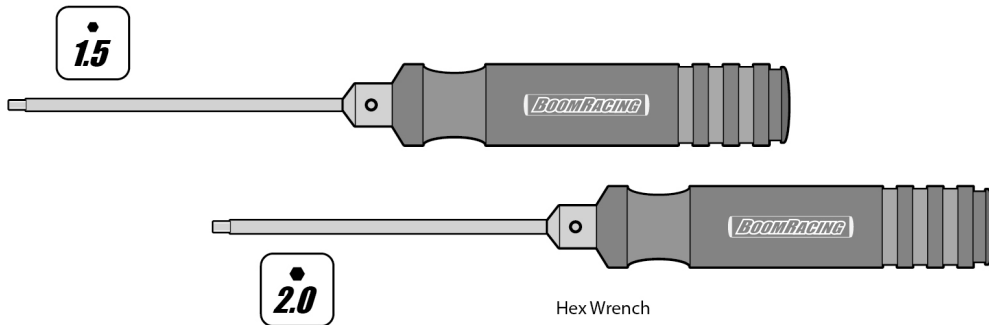


Steering Servo

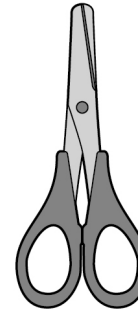


540/550 Motor

## Tools Recommended



Hex Wrench



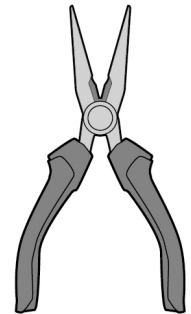
Scissors



Hobby Knife



Slot Screwdriver



Long Nose Pliers



### Thread Lock

Apply thread lock to places shown by this mark.  
Apply thread lock first, then assemble.  
**(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

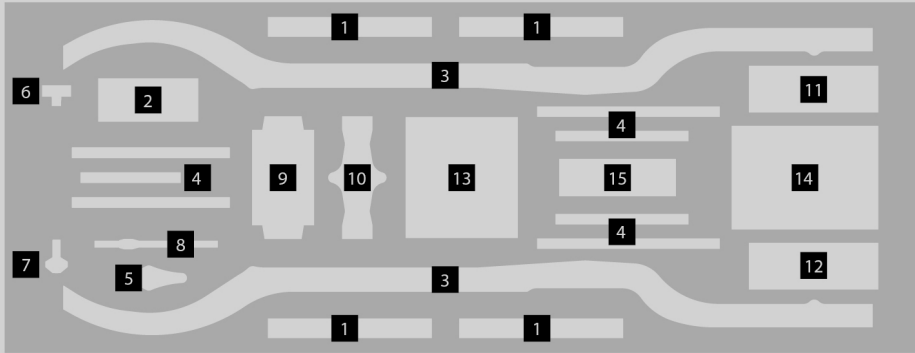


Item not included.

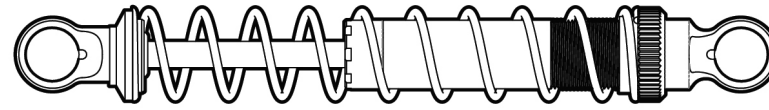


Pay attention to note on page.

**PART LOCATION MAP (TOP)**



1



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



Shock End Pivot Ball x 8  
#BRW750310

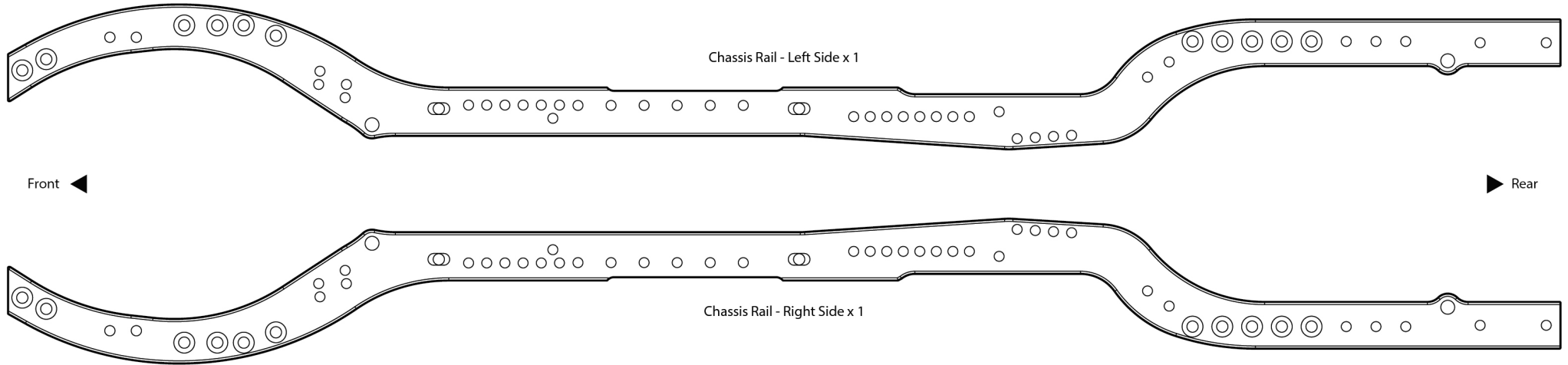


Joint Retainer x 8  
#BRSHJR

2

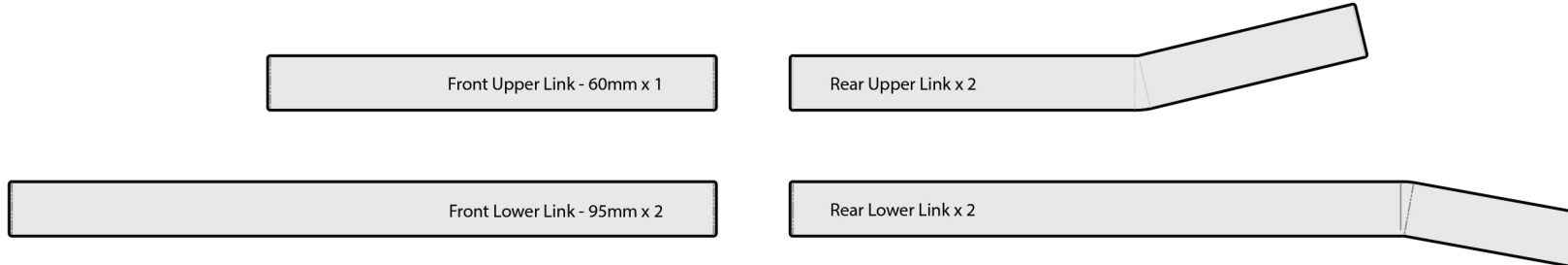
3

#BRX020011

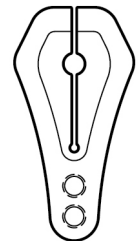


4

#BRX020037

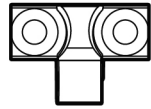


5



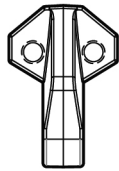
Servo Horn B - 25T x 1  
#BR955014BK

6



Axle Panhard Mount x 1  
#BRX020024

7



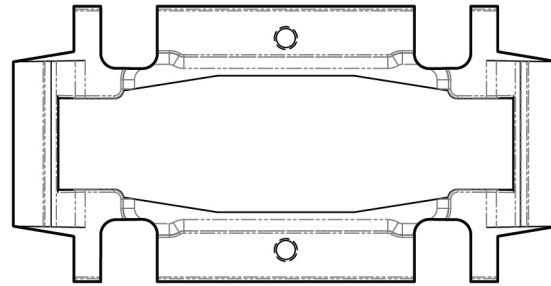
Chassis Panhard Mount x 1  
#BRX020025

8



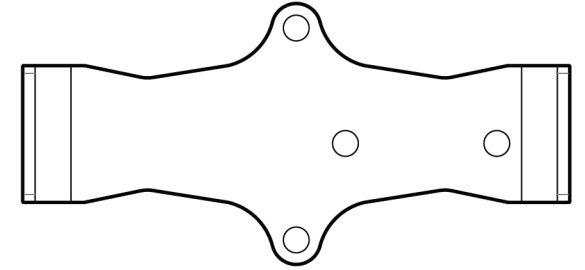
Panhard Bar x 1  
#BRX020026

9



Center Link Mount x 1  
#BRX020020LK

10



Center Stainless Steel Skid Plate x 1  
#BRX020020A  
(Pre-Assembled on Center Link Mount)

11



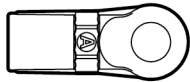
65mm Hard (Yellow) Coil x 4  
#BRSH90Spring-H

12

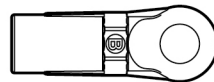


65mm super Hard (Red) Coil x 4  
#BRSH90Spring-SH

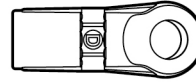
13



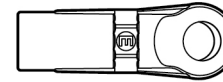
KUDU™ Nylon Rod End  
(Straight 18.5mm) x 12  
#BRW750306A



KUDU™ Nylon Rod End  
(Upwards 21.8mm) x 3  
#BRW750309B



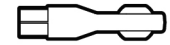
KUDU™ Nylon Rod End  
(Upwards 20mm) x 4  
#BRW750307D



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



BADASS™  
Stainless Steel Pivot Ball x 20  
#BRW750300



D2 Ball & Rod End x 1  
#BRQ90351

14 **A CHASSIS**

- M3x12 RS x 10 #BRASBH3012
- M3x10 RS x 9 #BRASBH3010
- M3x8 RS x 8 #BRASBH3008
- M2.5x4 RS x 8 #BRASBH2504
- M2x4 SC x 4 #BRASCH2004

- M3x10 CSS x 24 #BRASFH3010
- M3x8 CSS x 2 #BRASFH3008
- M3x6 SS x 2 #BRASST3006
- M3x3 SS x 4 #BRASST3003

- M3x5 Hex Cap Screw x 2 #BRASH53005
- Bumper Light Retainer x 2 #BRX020032
- M3 Nut - Nyloc x 2 #BRASNUTM3

14 **B LINKS / SHOCKS**

- M3x30 RS x 2 #BRASBH3030
- M3x20 RS x 2 #BRASBH3020
- M3x18 RS x 3 #BRASBH3018
- D3x6x5 Tapper Spacer x 4 #BRLC7040

- M3x16 RS x 4 #BRASBH3016
- M3x14 RS x 6 #BRASBH3014
- M3x12 RS x 5 #BRASBH3012
- M3x10 RS x 1 #BRASBH3010
- D3x6x3 Tapper Spacer x 4 #BRLC7041

- M3x18 CSS x 2 #BRASFH3018
- M4x16 SS x 16 #BRASST4016
- M3 Nut -Nyloc x 5 #BRASNUTM3
- D6x1.5 O-Ring x 2 #BRSORD6-15
- D4x7x2 Nylon Spacer x 11 #BRASSPD427/N

15 **C WHEELS**

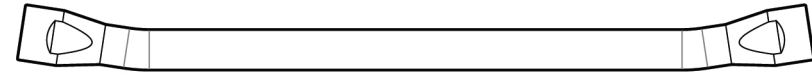
- 5mm Wheel Hex x 4 #BR113008BK
- M3x3 SS x 4 #BRASST3003

- M4 Nuts - Nyloc x 4 #BRASNUTM4
- D2x10 Pin x 4 #BRASPIN210

**PART LOCATION MAP (MIDDLE)**



16



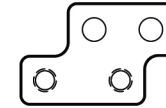
Stainless Steel Tie Rod x 1  
#BRD9022A

17



Fine Tunable Link - 55mm x 1  
#BRLC7050

18



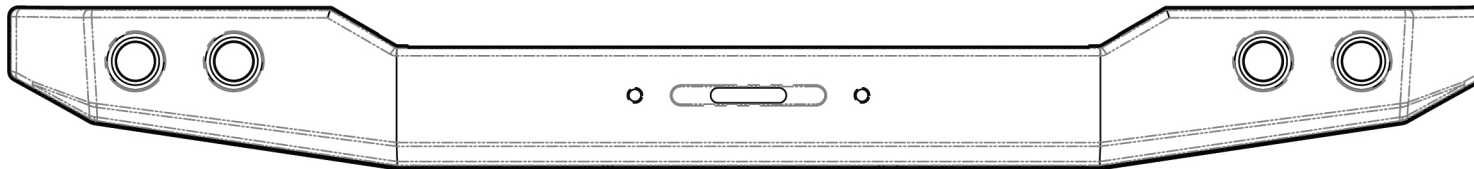
Steering Servo Mount x 2  
#BRX020007

19

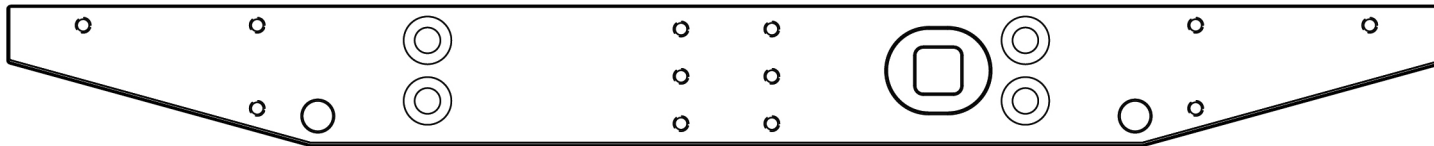


Body Latch Pin x 4  
#BRX020034

20



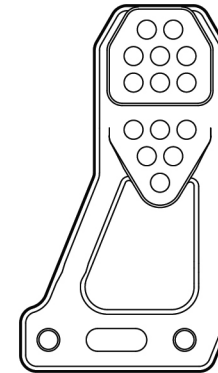
Front Bumper x 1  
#BRX020015F



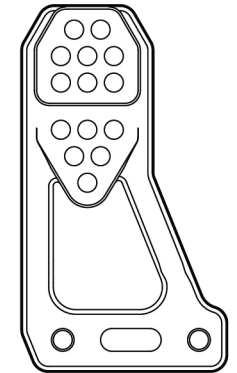
Rear Bumper x 1  
#BRX020015R

21

#BRX020018F

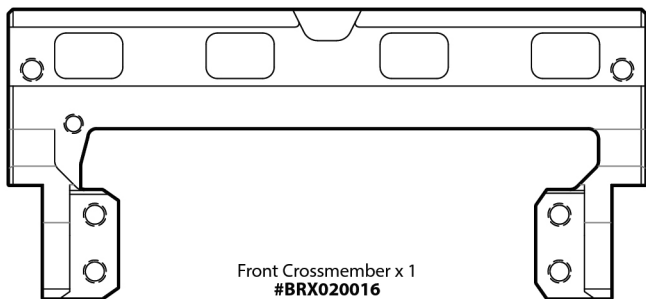


Front Shock Mount - Left x 1



Front Shock Mount - Right x 1

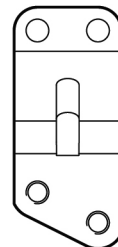
22



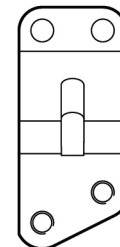
Front Crossmember x 1  
#BRX020016

23

#BRLC7019

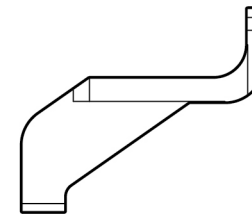


Side Gearbox Mount  
- Left x 1



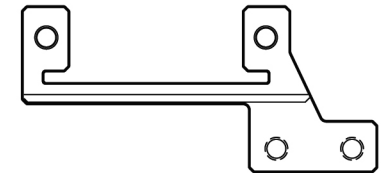
Side Gearbox Mount  
- Right x 1

24



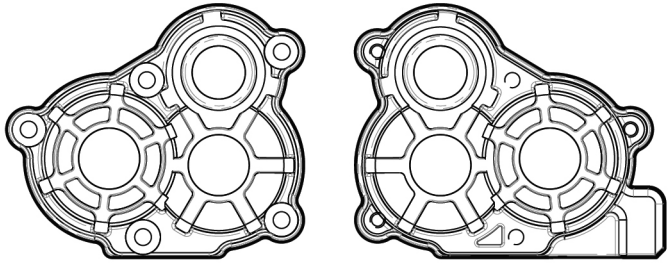
Rear Gearbox Mount x 1  
#BRX020017

25



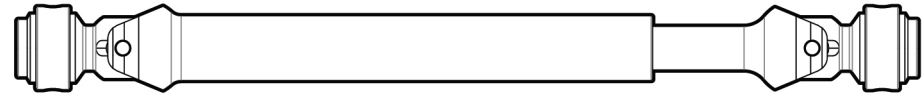
Mini Servo Mount x 1  
#BRX020009

26



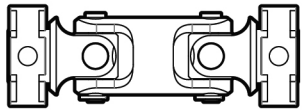
SRD™ Transfer Case Housing x 1  
#BRX020047

28



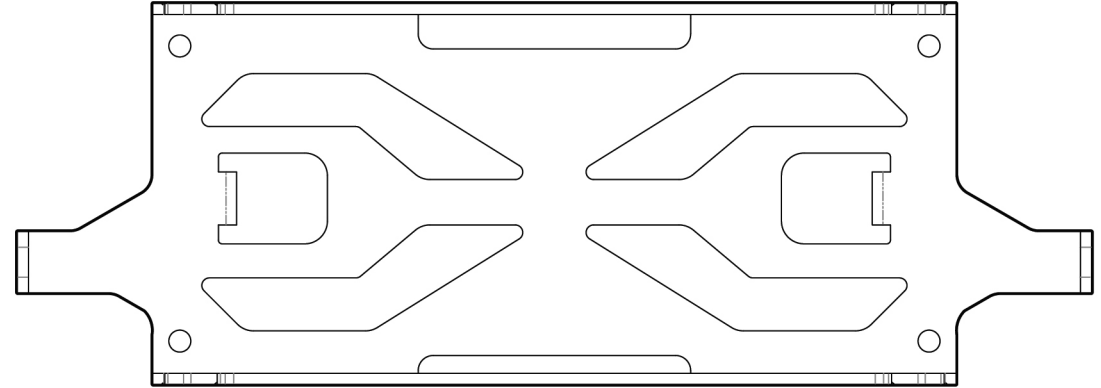
KUDU™ HD CVD Center Drive Shaft x 2  
#BRX020043

27



Steel Connection Drive Shaft (33mm) x 1  
#BRX020028

29



Battery Tray x 1  
#BRX020021

30



Shift Rod x 1  
#BRX020051

31



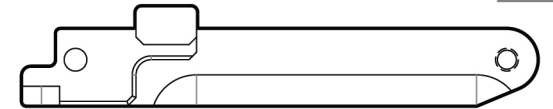
Quick Release Body Mount - Right x 1

#BRX020062



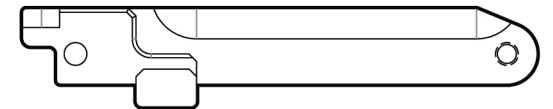
Quick Release Body Mount - Left x 1

34



Quick Release Body Mount Extension - Right x 1

#BRX020063



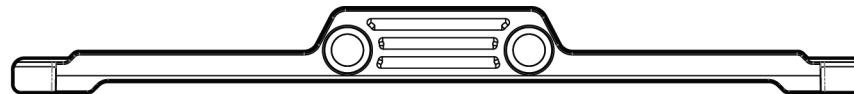
Quick Release Body Mount Extension - Left x 1

32



Body Post x 4  
#BRX020039

33



Quick Release Body Latch x 2  
#BRX020061

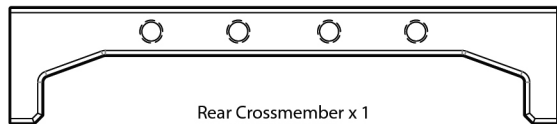
35



Mid Crossmember x 1  
#BRX020014



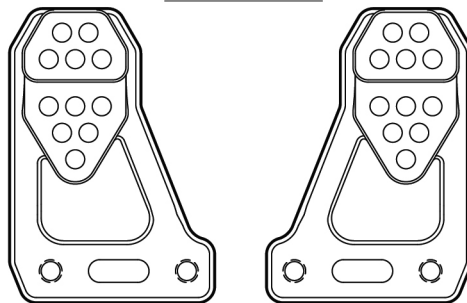
36



Rear Crossmember x 1  
#BRX020012

38

#BRX020018R

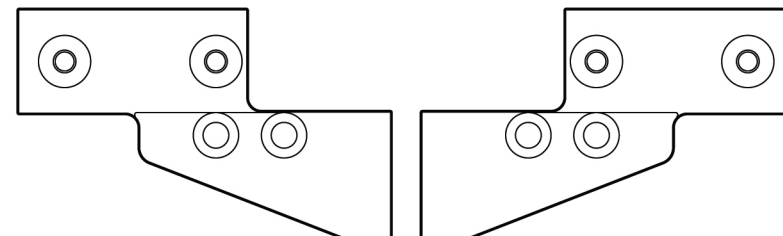


Rear Shock Mount - Left x 1

Rear Shock Mount - Right x 1

39

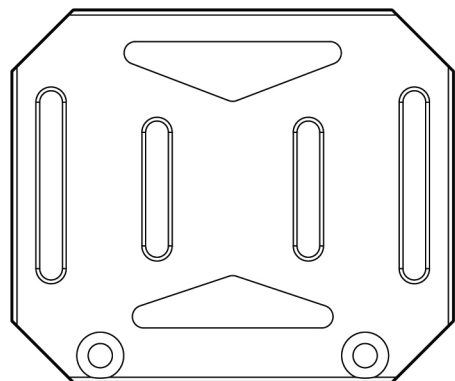
#BRX020019



Rear Bumper Mount - Left x 1

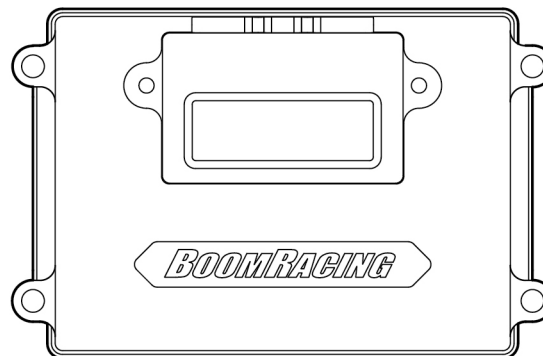
Rear Bumper Mount - Right x 1

37



ESC Mounting Plate x 1  
#BRX020079

40



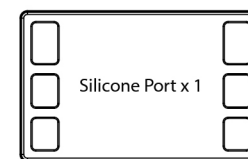
Receiver Box Lid x 1

#BRLC7033

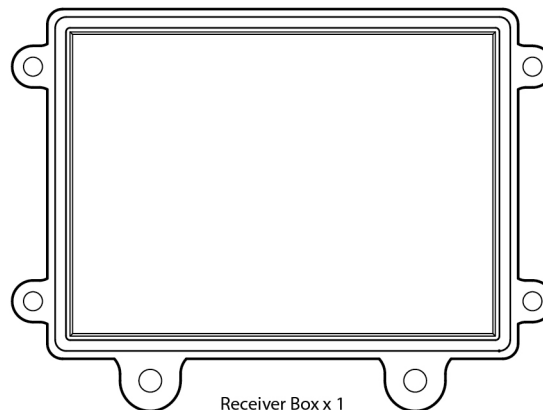


Stainless Steel Sealing Plate x 1

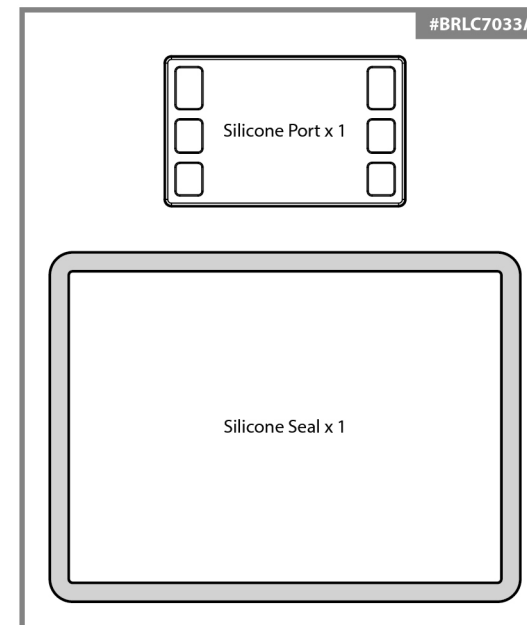
#BRLC7033A



Silicone Port x 1

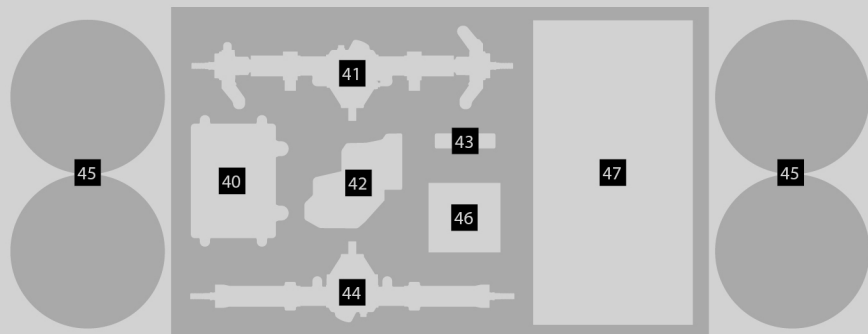


Receiver Box x 1



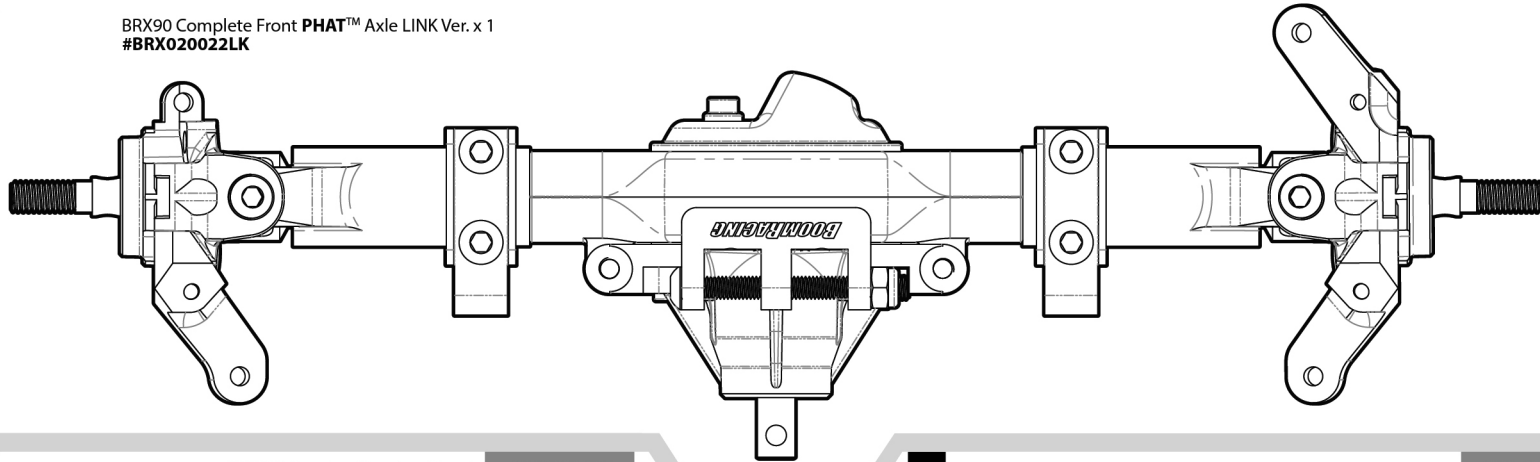
Silicone Seal x 1

**PART LOCATION MAP (BOTTOM)**



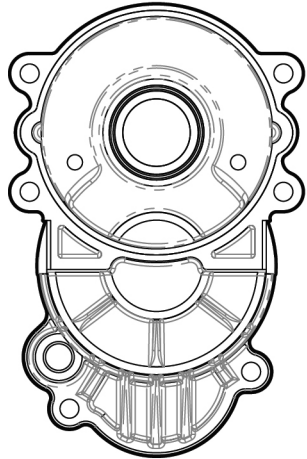
41

BRX90 Complete Front PHAT™ Axle LINK Ver. x 1  
#BRX02002LK

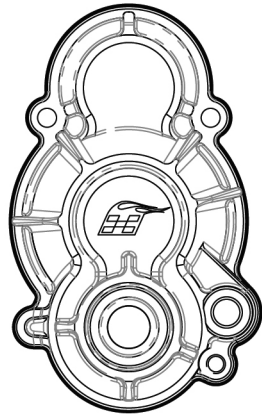


42

BCF2™ Gearbox Housing (2pcs) #BRX020029



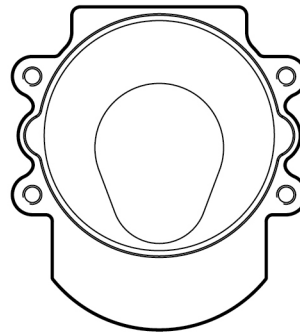
Gearbox Housing A



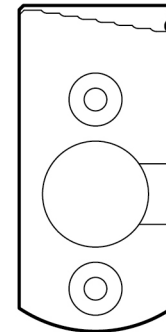
Gearbox Housing B

43

#BRLC7027



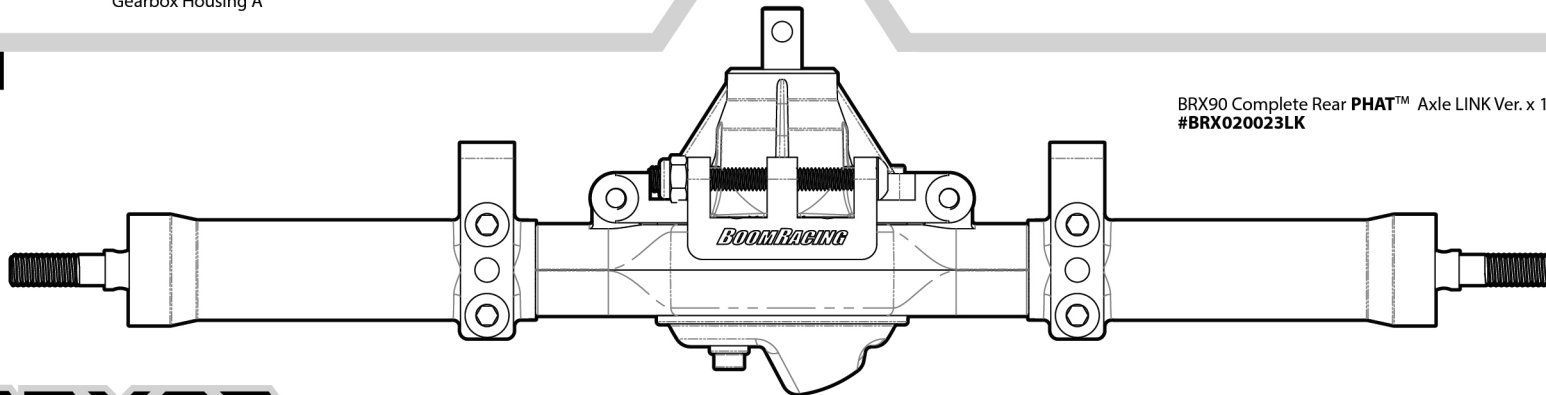
Gearbox Adapter x 1



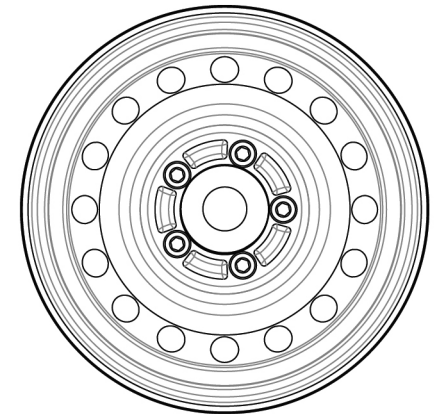
Motor Mount x 1

44

BRX90 Complete Rear PHAT™ Axle LINK Ver. x 1  
#BRX020023LK



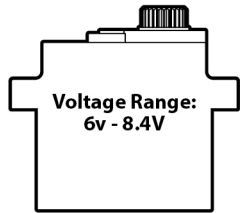
45



1.9" 16-Hole Classic Steelie Reversible Beadlock Wheel  
(Gun Metal) x 4  
#BRW780919GM  
with XT504 (#BRXT504V2) Wheel Hub

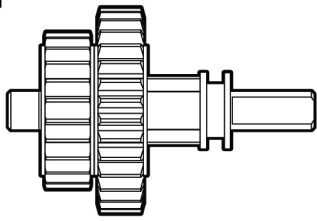


S100 Scale Center Wheel Hub Cap x 4  
#BRW780923

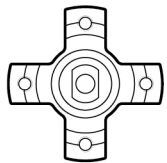


**Voltage Range:**  
6v - 8.4V

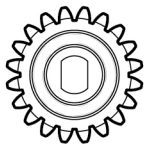
JX Waterproof HV Mini Servo x 1  
#JX/PDI-HV1151MG



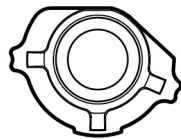
2-Speed Gear Unit x 1  
#BRLC7044E



Spur Gear Mount x 1  
#BRLC7030



Spur Gear 20T x 2  
#BRLC7029-20T



Bearing Holder x 1  
#BRX020029A

47 **D** 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	D2x10 Pin x 2 #BRASPIN210	
D5x8x0.1 Spacer x 5 #BRASSPD5801	D5x8x0.5 Spacer x 9 #BRASSPD5805	D5x7x3 Spacer x 1 #BRASSPD5703	E-Clip x 2 #BRASEC30	
				12T 32P Pinion Gear #BRPG3212-3

47 **E** RECEIVER BOX

M3x10 RS x 2 #BRASBH3010	M3x8 RS x 4 #BRASBH3008	M2.5x6 RS x 2 #BRASBH2506
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47 **F** BODY MOUNTS

M3x14 RS x 4 #BRASBH3014	M3x10 RS x 2 #BRASBH3010	M3x8 RS x 4 #BRASBH3008
M2.5x6 SC x 2 #BRASCH2506	Ø5mm Spring x 4 #BRASSPRING05510	Slider Spacer x 4 #BRX020035

47 **G** SERVOS

Follower Horn A	Spring Horn A
Initiator Horn A #BRLC7049	
M3x6 RS x 8 #BRASBH3006	M2x8 SC x 3 #BRASCH2008

47 **H** GEARS, SHAFTS & BEARINGS - TRANSFER CASE

Input Shaft w/ 20T Spur Gear x 1 #BRLC7046-A	29T Spur Gear x 2 #BRLC7046-B	D5x14x5 Ball Bearing x 4 #BBZ6052RS
Two Ends Output Shaft x 1 #BRLC7046-C	One End Output Shaft x 1 #BRLC7046-D	D5x10x4 Ball Bearing x 2 #BBZMR1052RS

47 **I** GEARS, SHAFTS & BEARINGS - GEAR BOX

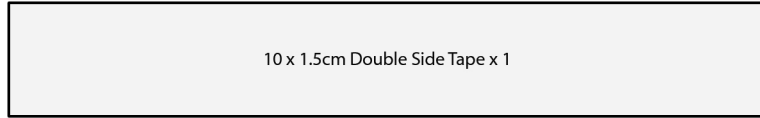
Spur Gear 12T x 1 #BRLC7029-12T	D7x11x3 Ball Bearing x 1 #BBZMR1172RS	Shift Shaft x 1 #BRLC7045C	Input Shaft x 1 #BRLC7044B	Internal Spur Gear 28T x 1 #BRLC7031
Spur Gear 15T x 1 #BRLC7029-15T	D5x11x4 Ball Bearing x 7 #BBZMR1152RS	Output Shaft x 1 #BRLC7044C	Shifter x 1 #BRLC7045B	

47



Extension Cable x 2  
#BRLC7095

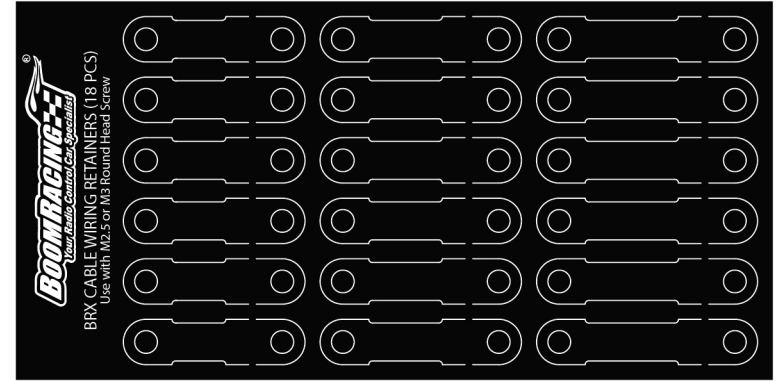
47



10 x 1.5cm Double Side Tape x 1

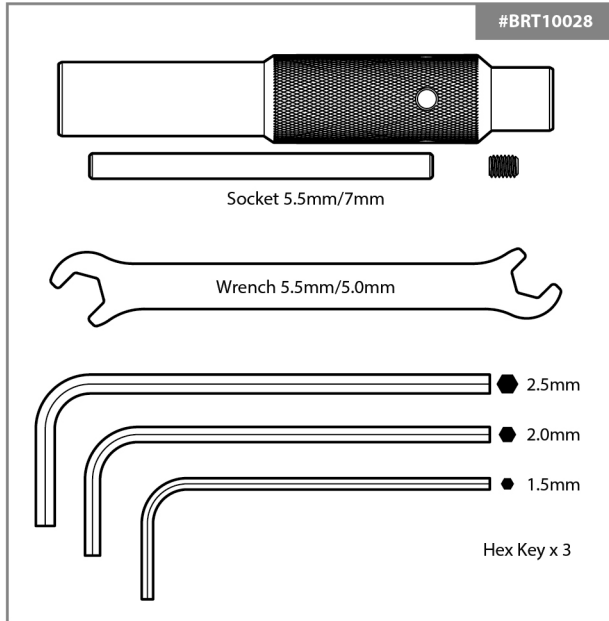


47



Cable Wiring Retainers  
#BRT10037

47



#BRT10028

Socket 5.5mm/7mm

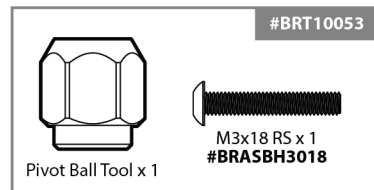
Wrench 5.5mm/5.0mm

2.5mm

2.0mm

1.5mm

Hex Key x 3

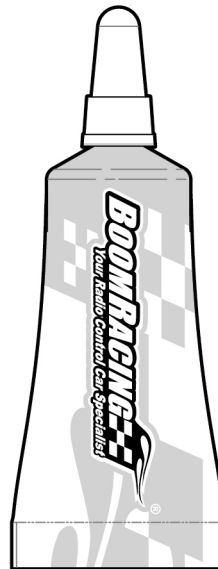


#BRT10053

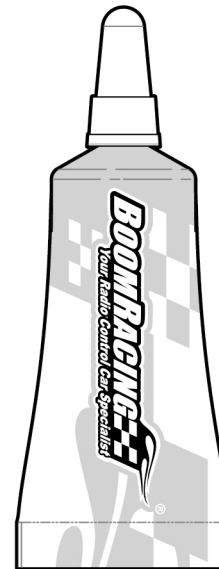
Pivot Ball Tool x 1

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:



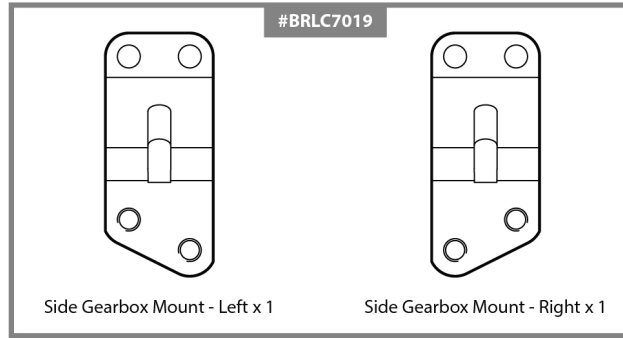
Body Latch Pin x 4  
#BRX020034



Body Post x 4  
#BRX020039



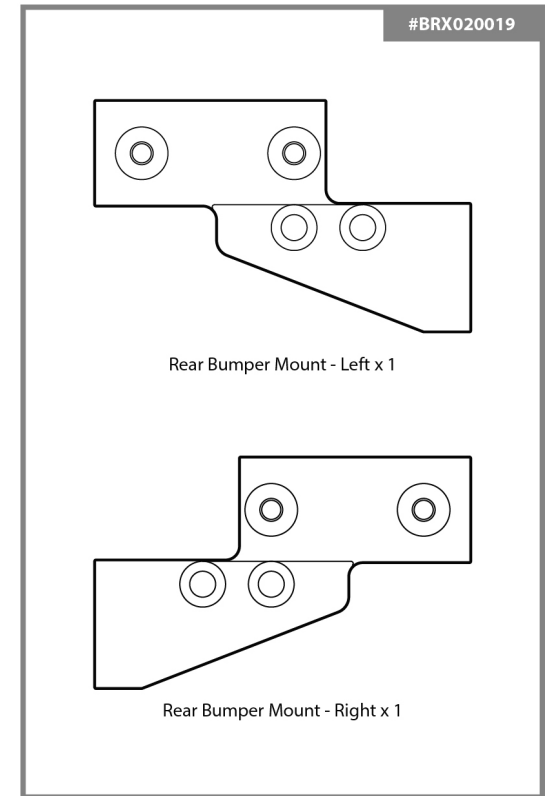
Chassis Panhard Mount x 1  
#BRX020025



#BRLC7019

Side Gearbox Mount - Left x 1

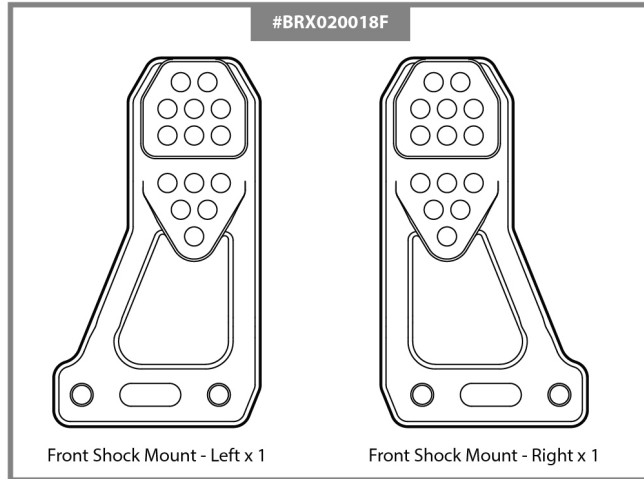
Side Gearbox Mount - Right x 1



#BRX020019

Rear Bumper Mount - Left x 1

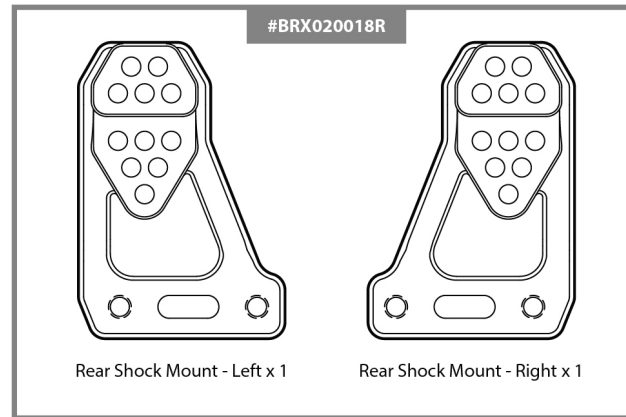
Rear Bumper Mount - Right x 1



#BRX020018F

Front Shock Mount - Left x 1

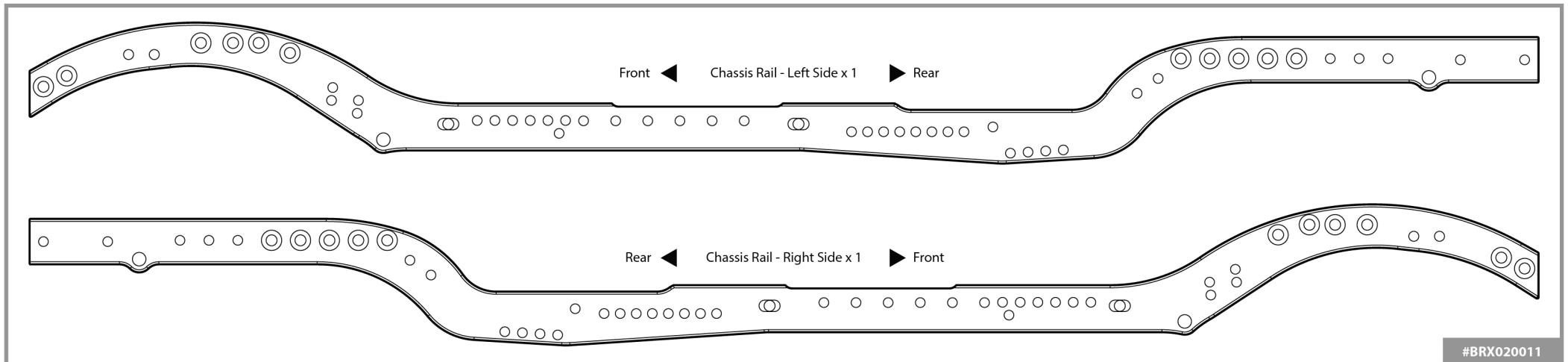
Front Shock Mount - Right x 1



#BRX020018R

Rear Shock Mount - Left x 1

Rear Shock Mount - Right x 1



Front ◀ Chassis Rail - Left Side x 1 ▶ Rear





Rear ◀ Chassis Rail - Right Side x 1 ▶ Front

#BRX020011

CHASSIS RAIL

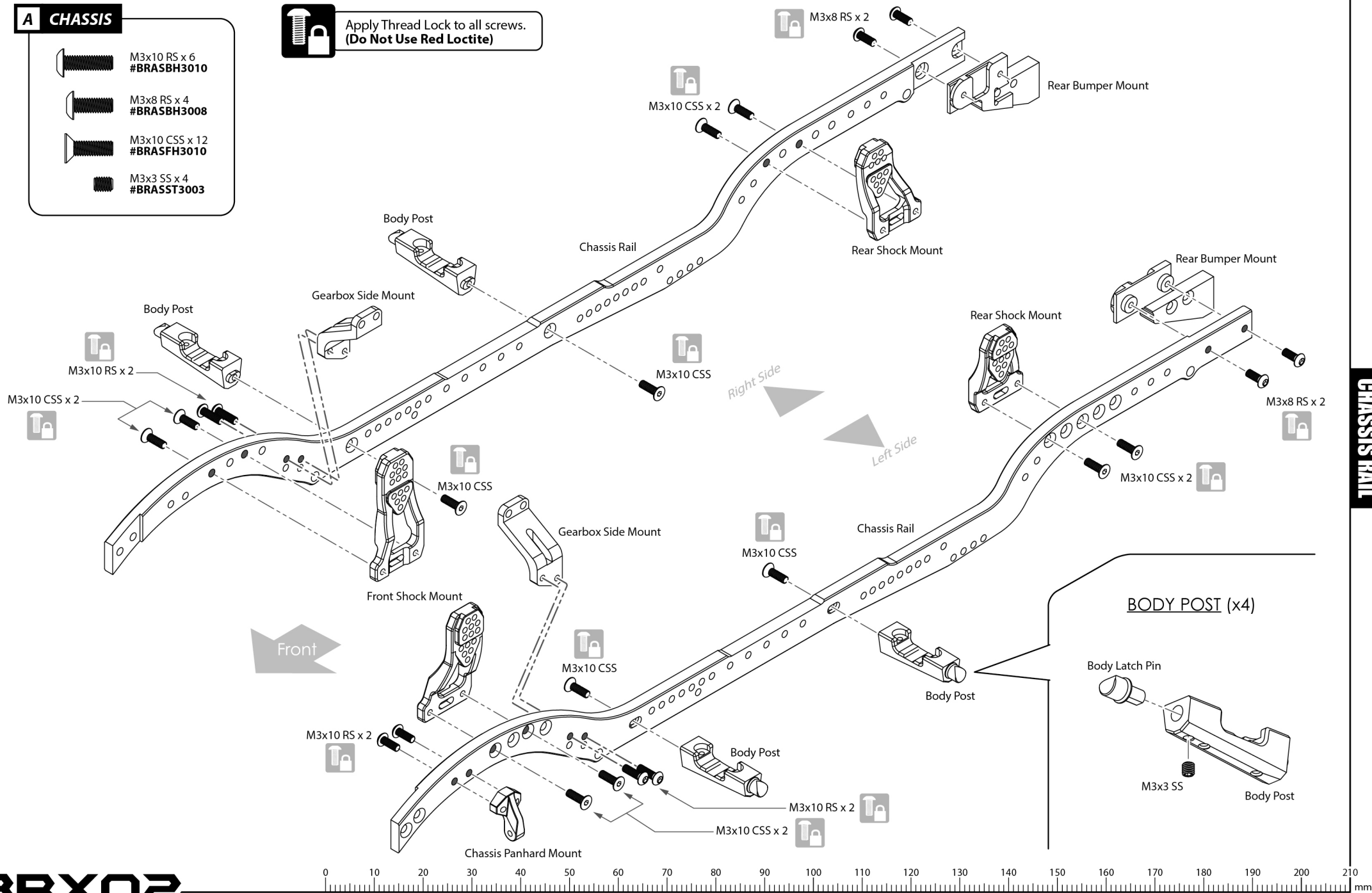
CHASSIS RAIL

**A CHASSIS**

-  M3x10 RS x 6  
#BRASBH3010
-  M3x8 RS x 4  
#BRASBH3008
-  M3x10 CSS x 12  
#BRASFH3010
-  M3x3 SS x 4  
#BRASST3003



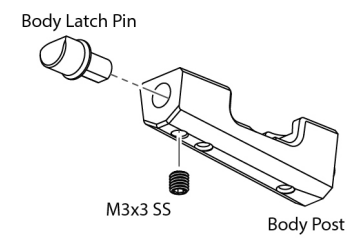
Apply Thread Lock to all screws.  
**(Do Not Use Red Loctite)**



**CHASSIS RAIL**

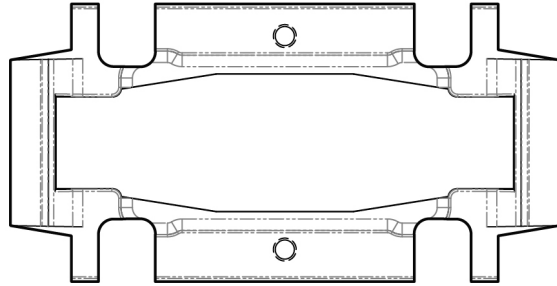
**CHASSIS RAIL**

**BODY POST (x4)**

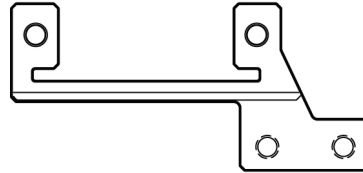


# 2 - CHASSIS

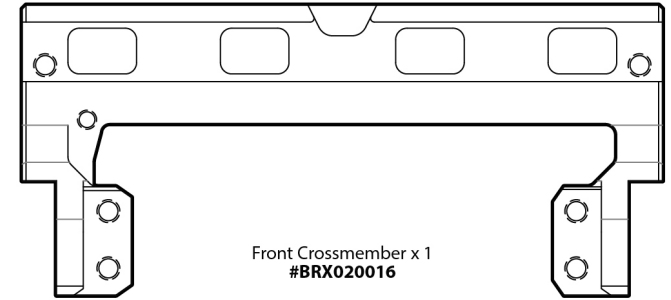
Parts Needed:



Center Link Mount x 1  
#BRX020020LK



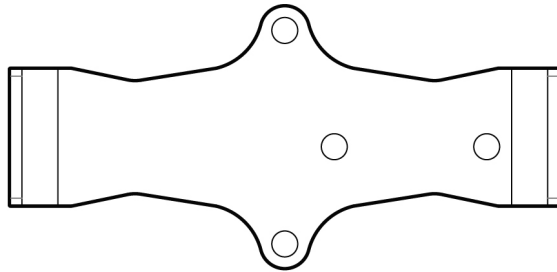
Mini Servo Mount x 1  
#BRX020009



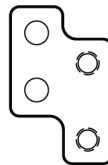
Front Crossmember x 1  
#BRX020016



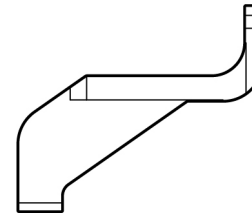
Mid Crossmember x 1  
#BRX020014



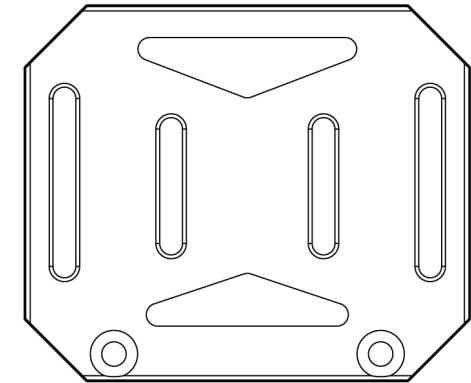
Center Stainless Steel Skid Plate x 1  
#BRX020020A  
(Pre-Assembled on Center Link Mount)



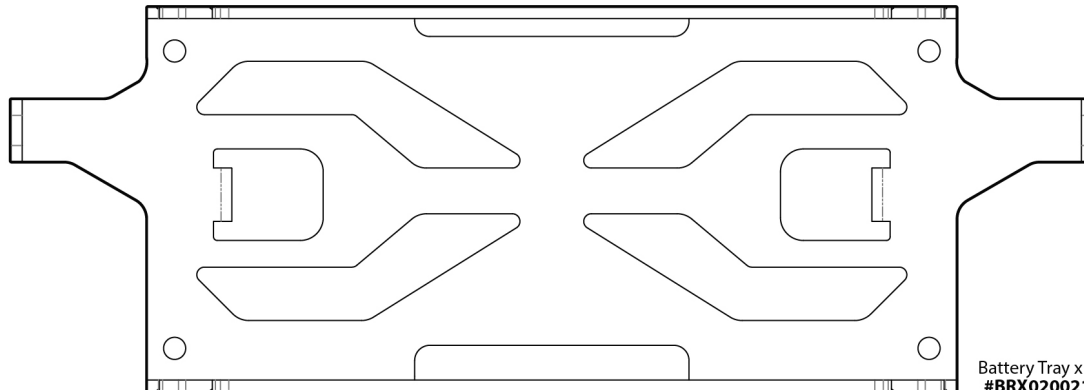
Steering Servo Mount x 2  
#BRX020007



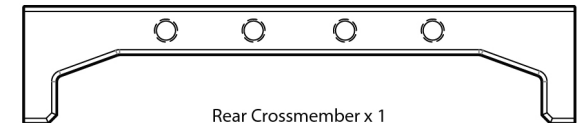
Rear Gearbox Mount x 1  
#BRX020017



ESC Mounting Plate x 1  
#BRX020079



Battery Tray x 1  
#BRX020021



Rear Crossmember x 1  
#BRX020012

CHASSIS

CHASSIS



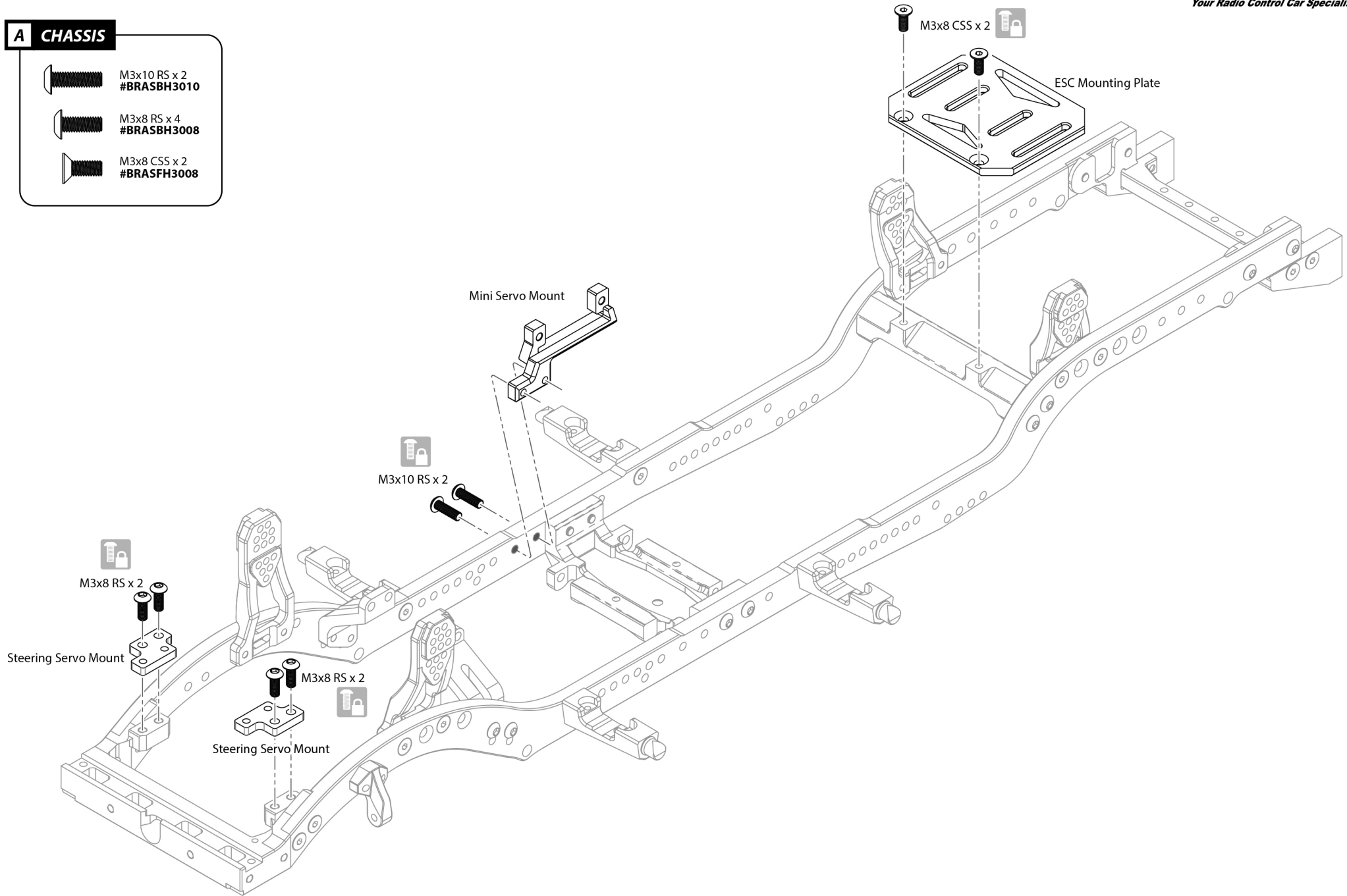


**A CHASSIS**

M3x10 RS x 2  
#BRASBH3010

M3x8 RS x 4  
#BRASBH3008


M3x8 CSS x 2  
#BRASFH3008



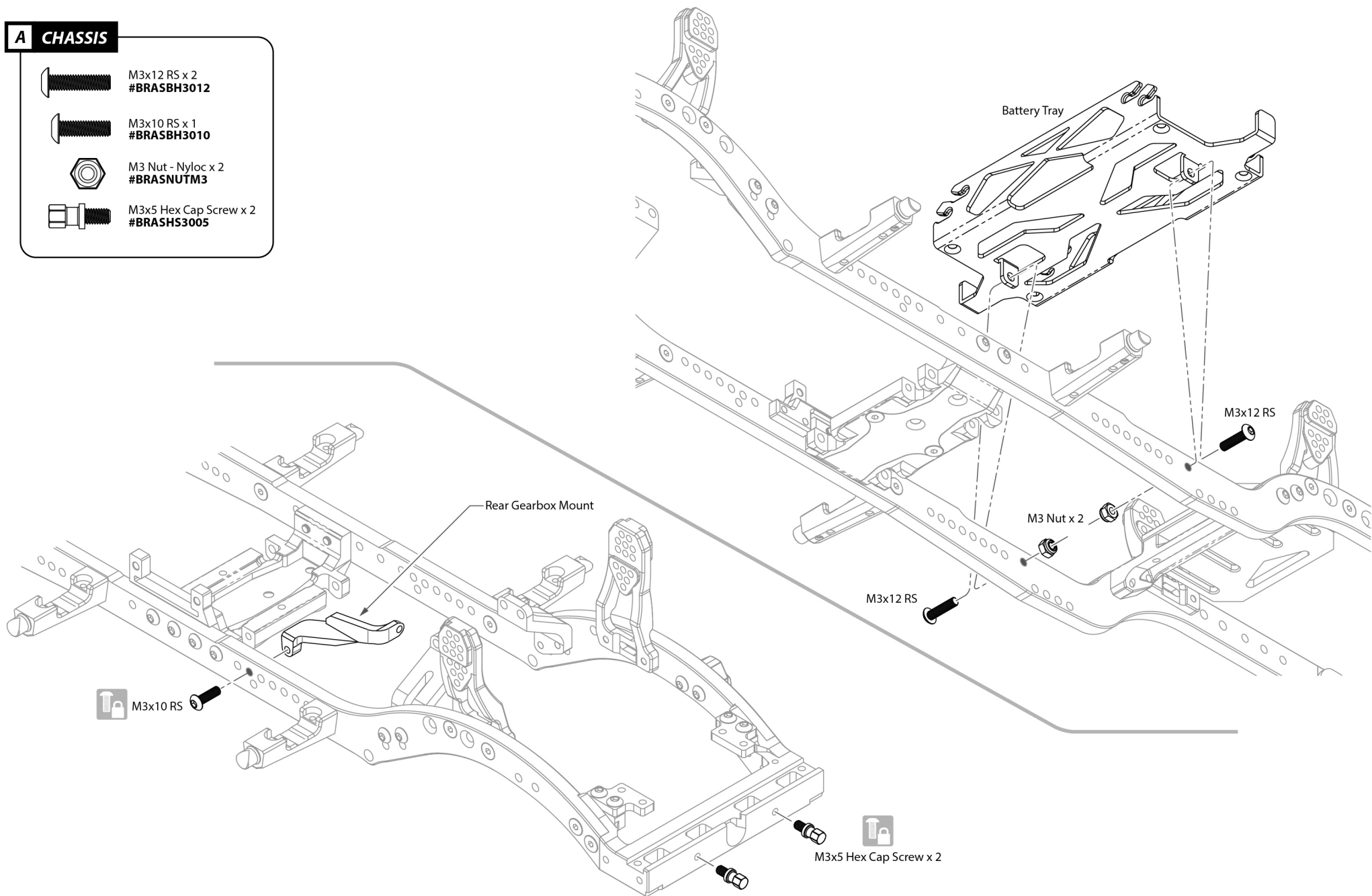
**A CHASSIS**

 M3x12 RS x 2  
#BRASBH3012

 M3x10 RS x 1  
#BRASBH3010

 M3 Nut - Nyloc x 2  
#BRASNUTM3

 M3x5 Hex Cap Screw x 2  
#BRASHS3005

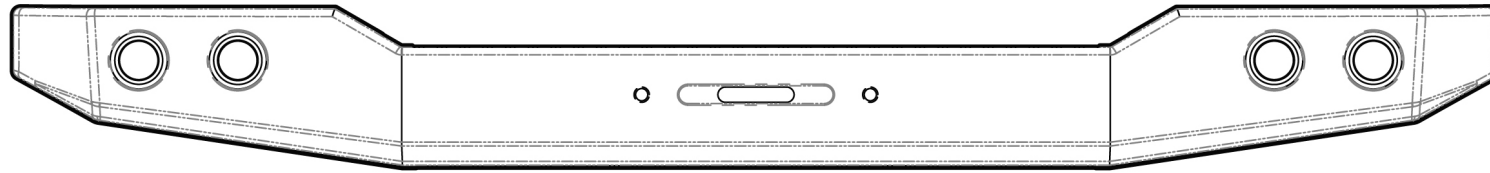


CHASSIS

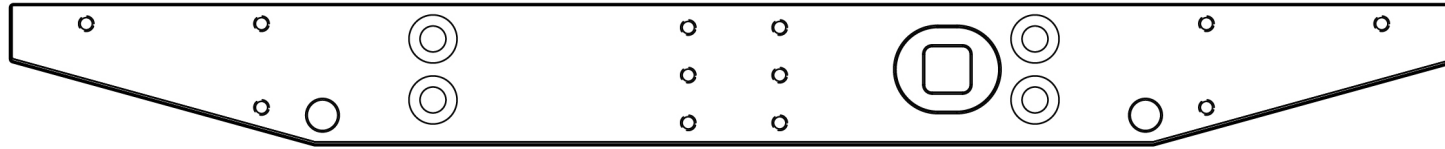
CHASSIS

# 3 - BUMPERS

Parts Needed:



Front Bumper x 1  
#BRX020015F

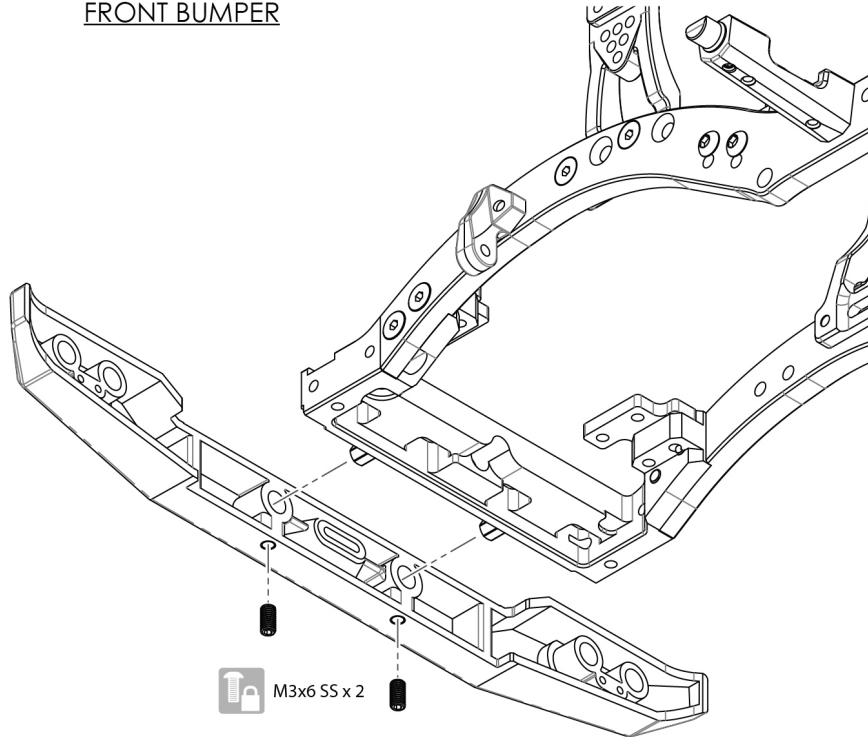



Rear Bumper x 1  
#BRX020015R

**A CHASSIS**

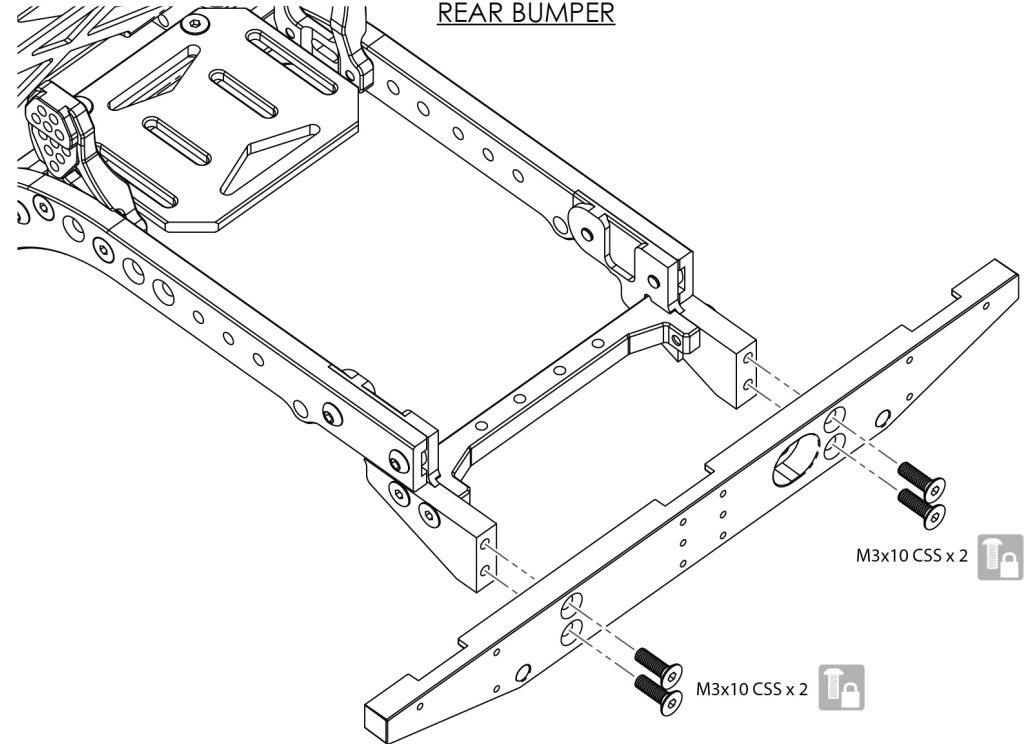
-  M3x10 CSS x 4  
#BRASFH3010
-  M3x6 SS x 2  
#BRASST3006


FRONT BUMPER




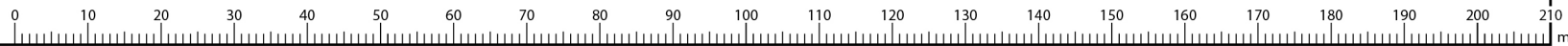
 M3x6 SS x 2

REAR BUMPER



M3x10 CSS x 2 

M3x10 CSS x 2 

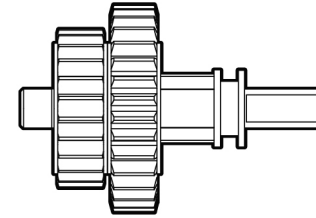
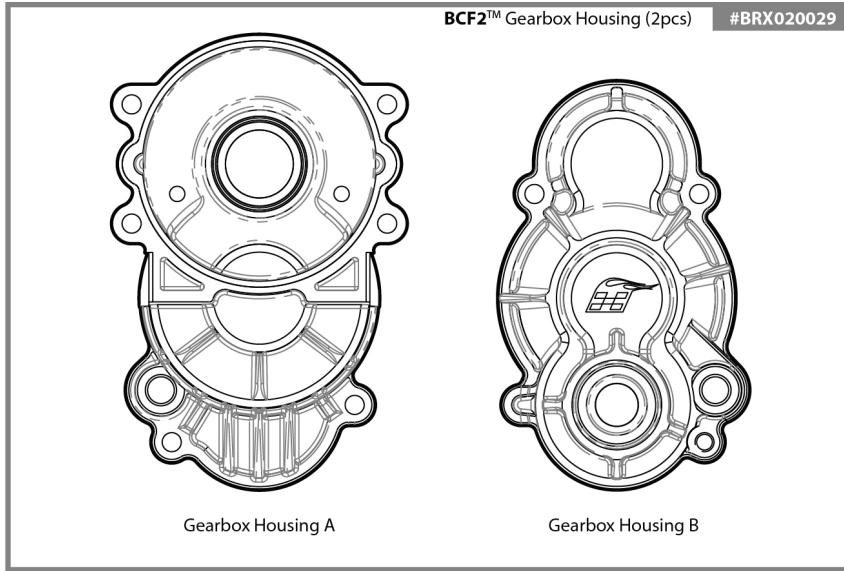


BUMPERS

BUMPERS

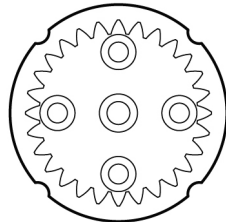
# 4 - GEARBOX

Parts Needed:

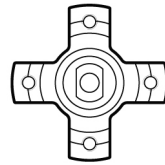


2-Speed Gear Unit x 1  
#BRLC7044C

## I GEARS, SHAFTS & BEARINGS - GEAR BOX



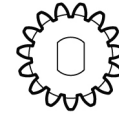
Internal Spur Gear 28T x 1  
#BRLC7031



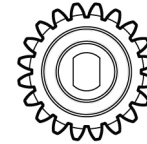
Spur Gear Mount x 1  
#BRLC7030



Spur Gear 12T x 1  
#BRLC7029-12T



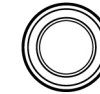
Spur Gear 15T x 1  
#BRLC7029-15T



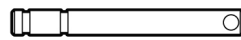
Spur Gear 20T x 2  
#BRLC7029-20T



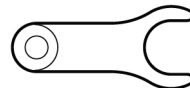
D5x11x4 Ball Bearing x 7  
#BBZMR1152RS



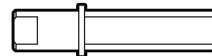
D7x11x3 Ball Bearing x 1  
#BBZMR1172RS



Shift Shaft x 1  
#BRLC7045C



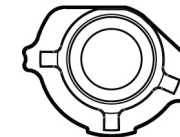
Shifter x 1  
#BRLC7045B



Input Shaft x 1  
#BRLC7044B





Output Shaft x 1  
#BRLC7044C




Bearing Holder x 1  
#BRX020029A

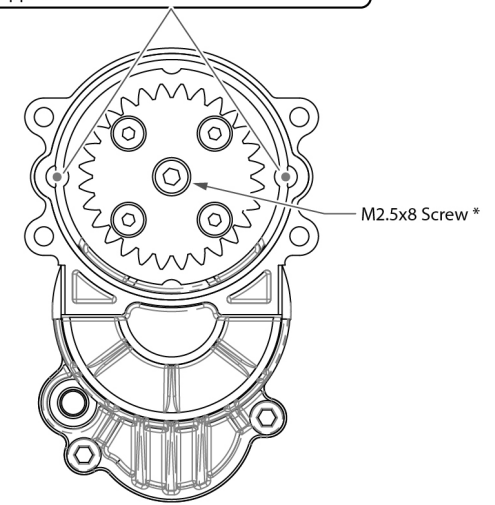
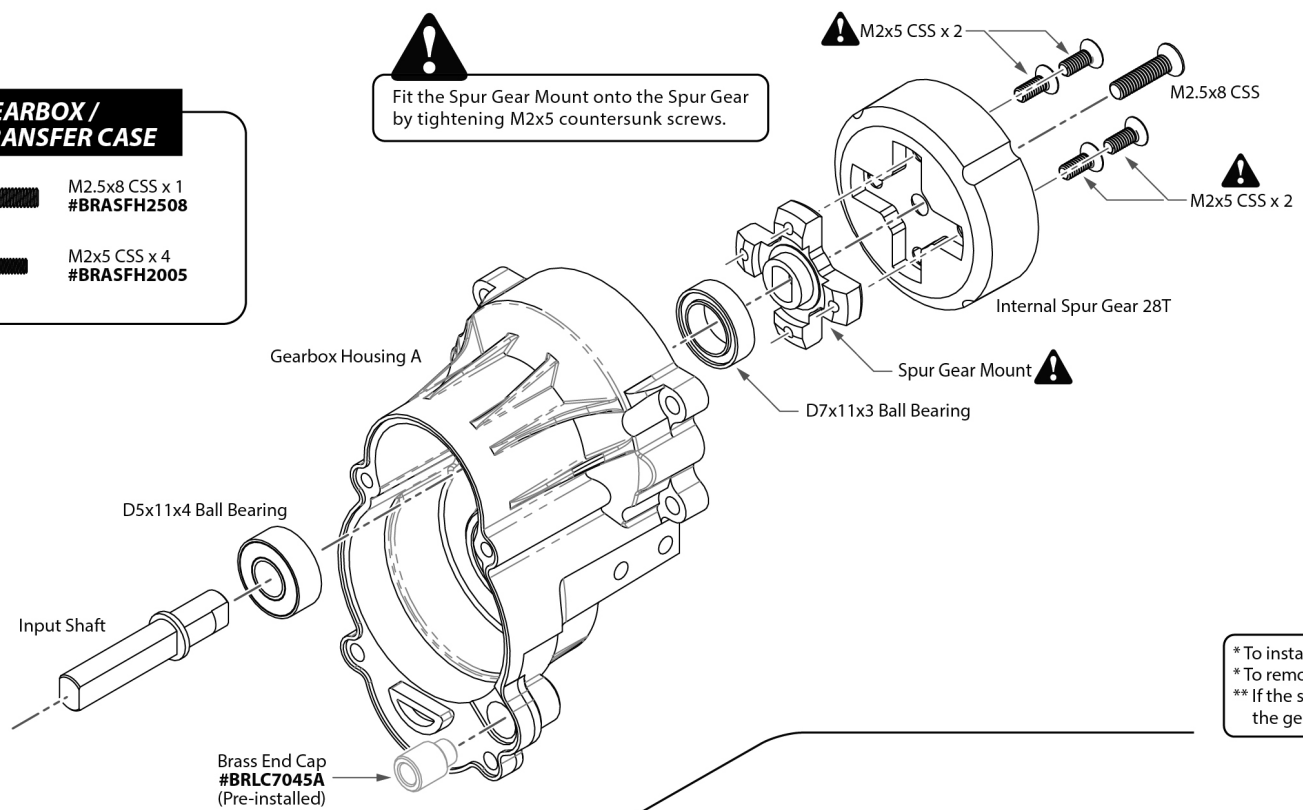
**4.1**

**D GEARBOX / TRANSFER CASE**

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

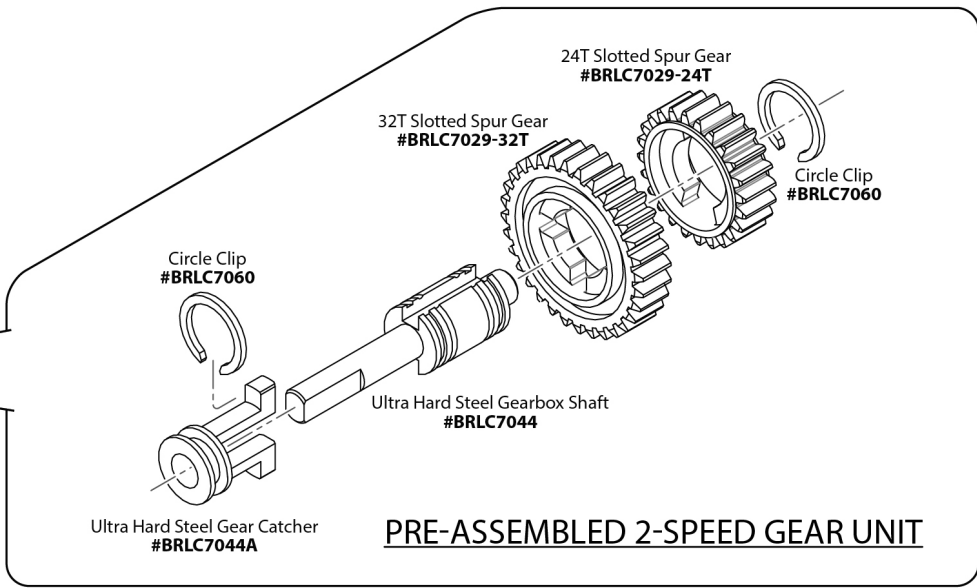
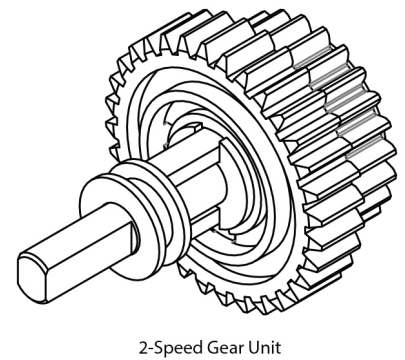
 Fit the Spur Gear Mount onto the Spur Gear by tightening M2x5 countersunk screws.

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**



**PRE-ASSEMBLED 2-SPEED GEAR UNIT**

GEARBOX

GEARBOX

# 4.3

## D GEARBOX / TRANSFER CASE



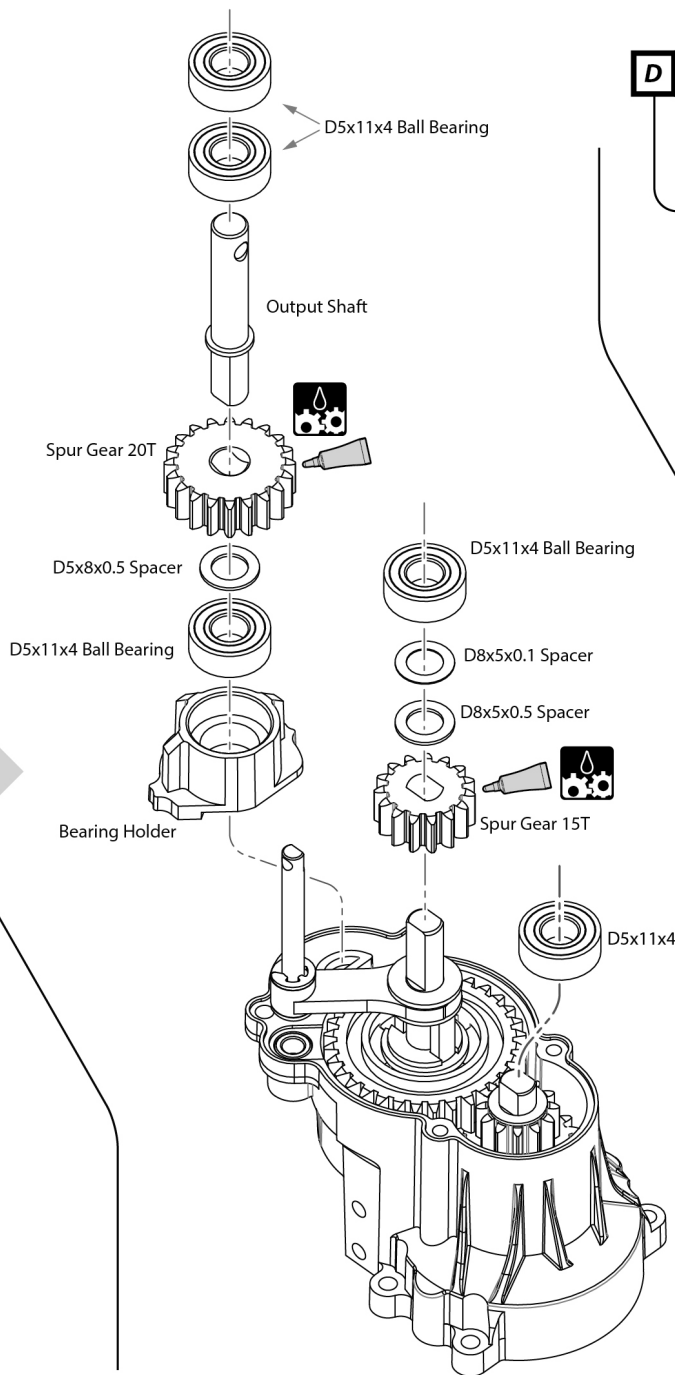
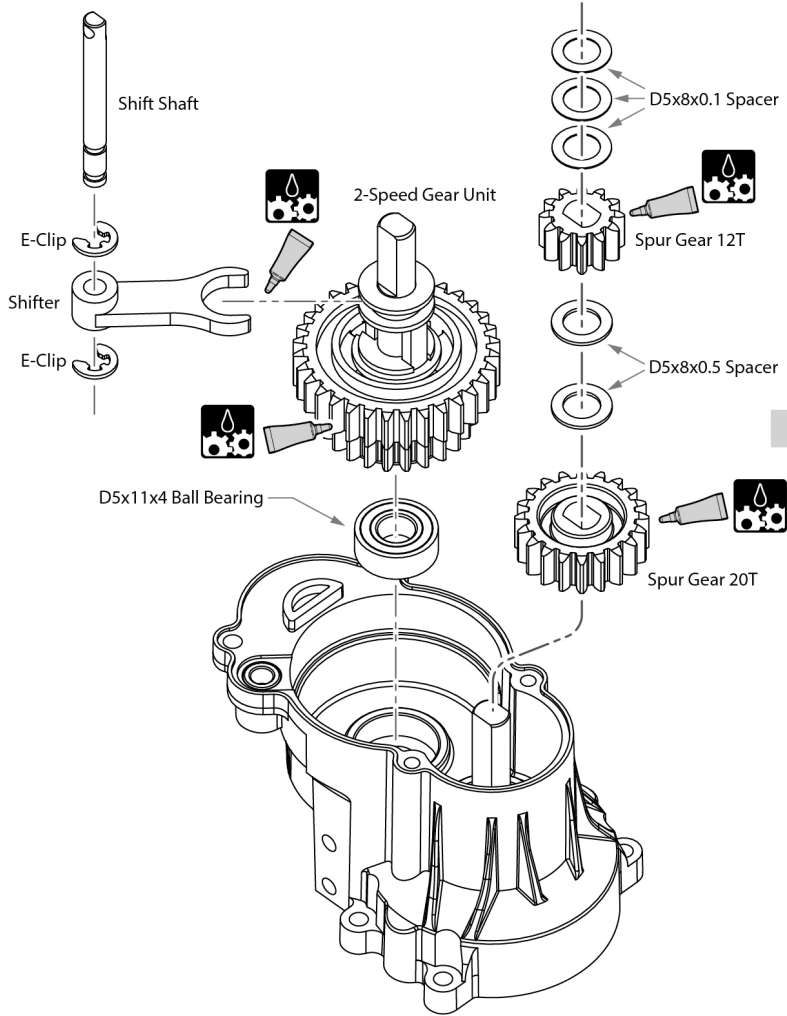
D5x8x0.5 Spacer x 4  
#BRASSPD5805



E-Clip x 2  
#BRASEC30



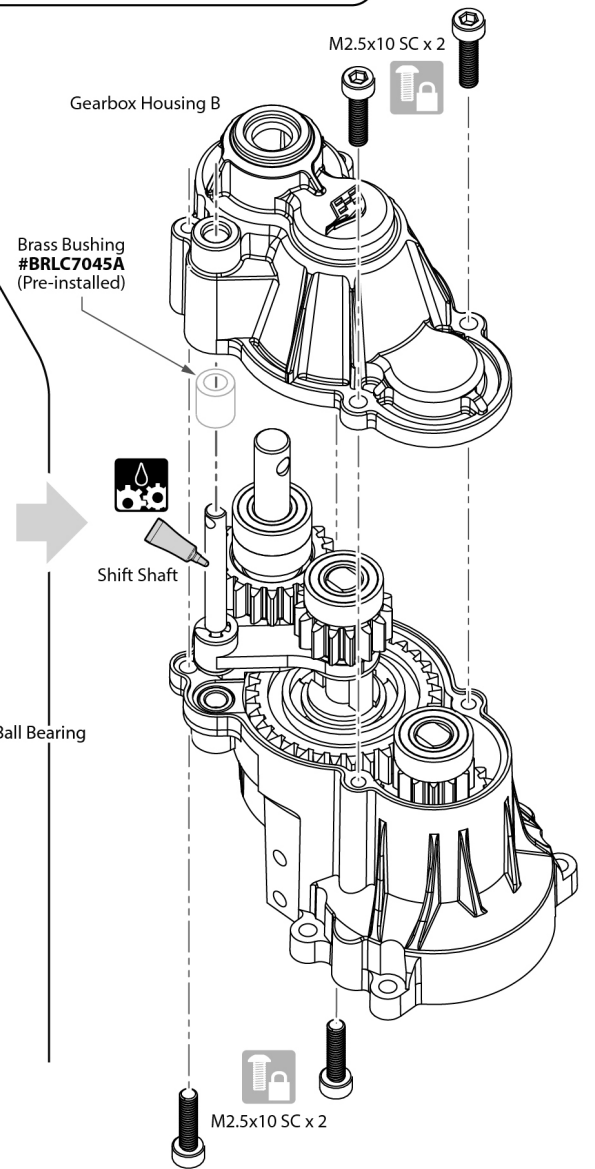
D5x8x0.1 Spacer x 4  
#BRASSPD5801



## D GEARBOX / TRANSFER CASE

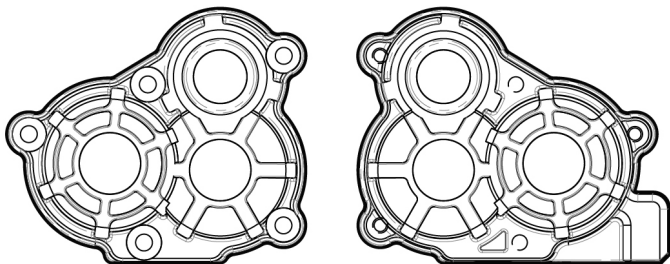


M2.5x10 SC x 4  
#BRASCH2510



# 5 - TRANSFER CASE

Parts Needed:



SRD™ Transfer Case Housing  
#BRX020047

## D GEARBOX / TRANSFER CASE



M2x8 SC x 5  
#BRASFCH2008

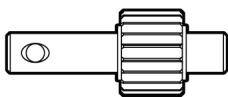


D2x10 Pin x 2  
#BRASPIN210

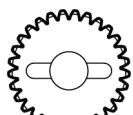


D5x8x0.5 Spacer x 4  
#BRASSPD5805

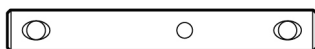
## H GEARS, SHAFTS & BEARINGS - TRANSFER CASE



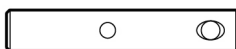
Input Shaft w/ 20T Spur Gear x1  
#BRLC7046-A



29T Spur Gear x2  
#BRLC7046-B



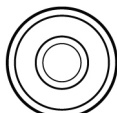
Two Ends Output Shaft x1  
#BRLC7046-C



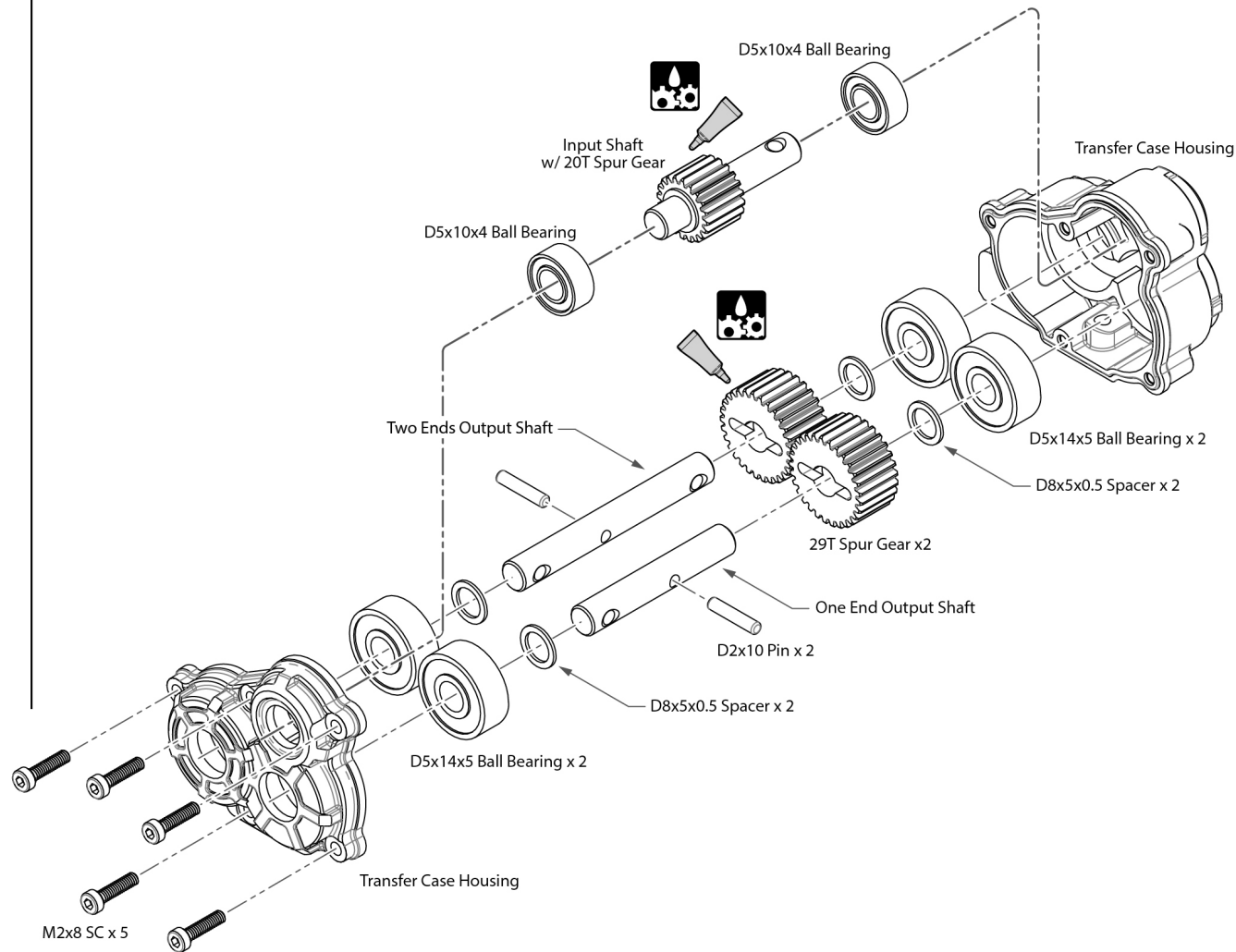
One End Output Shaft x1  
#BRLC7046-D



D5x10x4 Ball Bearing x 2  
#BBZMR1052RS









D5x14x5 Ball Bearing x 4  
#BBZ6052RS

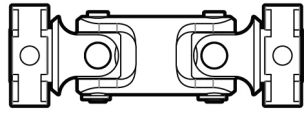


# 6 - TRANSMISSION

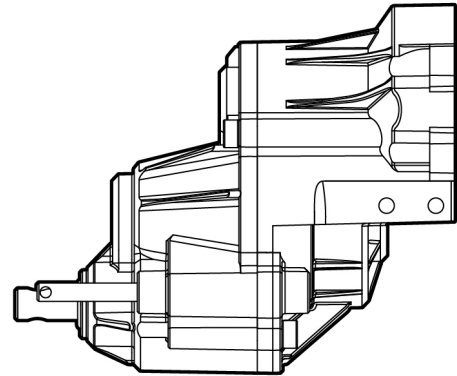
Parts Needed:

## D GEARBOX / TRANSFER CASE

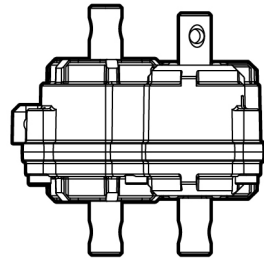
-  M3x8 RS x 4  
#BRASBH3008
-  M3x10 CSS x 1  
#BRASFH3010
-  M3x6 CSS x 1  
#BRASFH3006
-  M2.5x8 SC x 1  
#BRASCH2508
-  M3/2.4x12 SS x 2  
#BRASST3024/DS
-  D5x7x3 Spacer x 1  
#BRASSPD5703



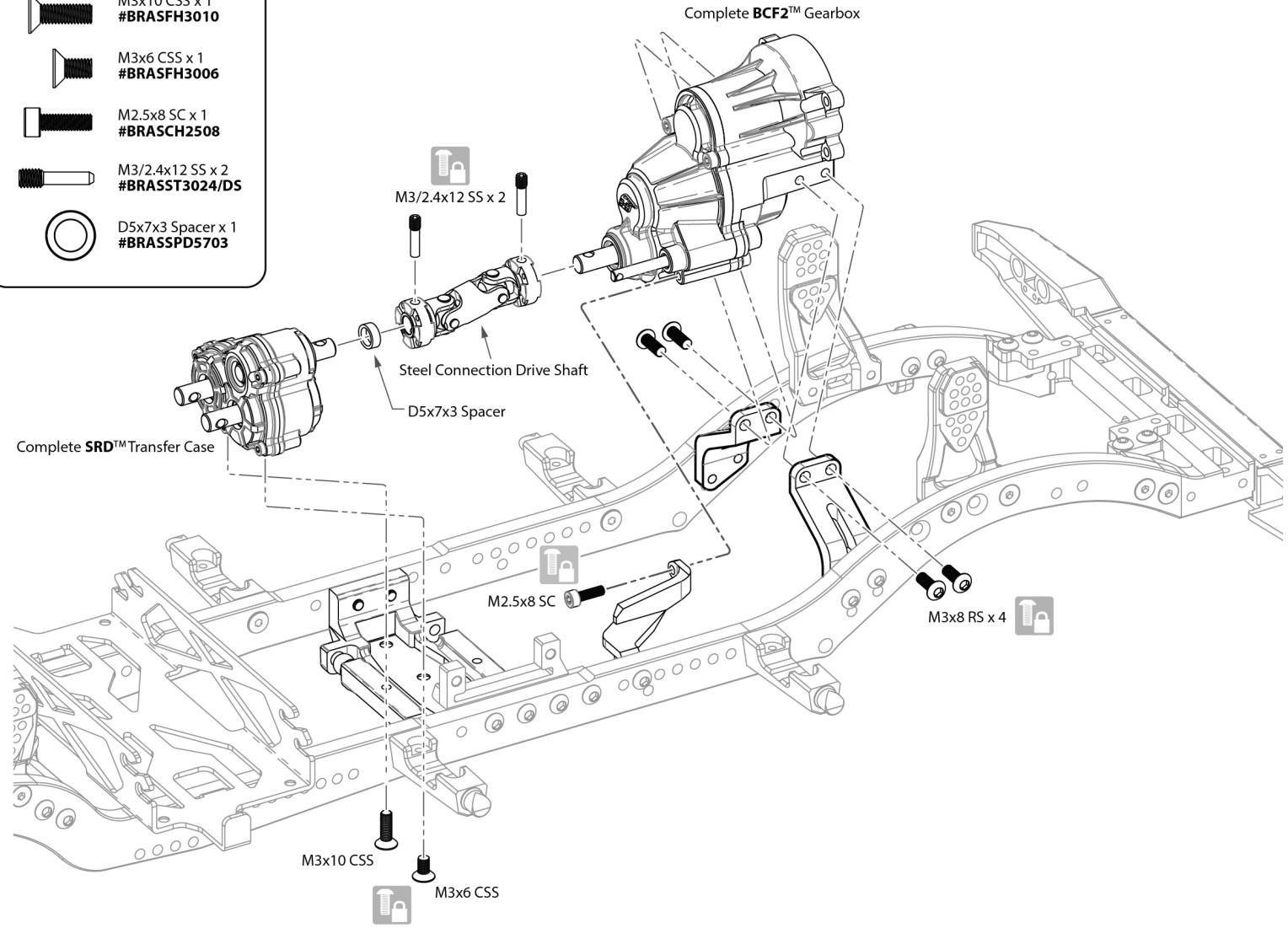
Steel Connection Drive Shaft (33mm)  
#BRX020028



Complete **BCF2™** Gearbox



Complete **SRD™** Transfer Case






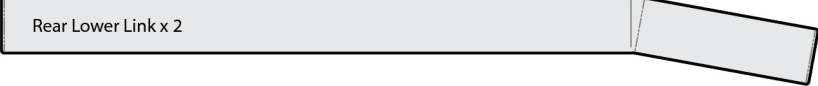
# 7 - LINKS

Parts Needed:


#BRX020037




Rear Upper Link x 2



Rear Lower Link x 2




Front Upper Link - 60mm x 1




Front Lower Link - 95mm x 2

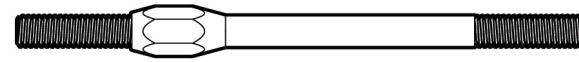
## B LINKS / SHOCKS



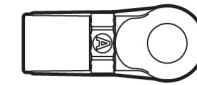
M4x16 SS x 14  
#BRASST4016



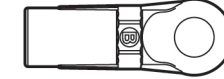
D4x7x2  
Nylon Spacer x 2  
#BRASSPD472/N



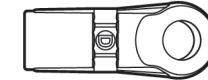
Panhard Bar x 1  
#BRX020026



KUDU™  
Nylon Rod End  
(Straight 18.5mm) x 10  
#BRW750306A



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



KUDU™  
Nylon Rod End  
(Upwards 20mm) x 4  
#BRW750307D




BADASS™  
Stainless Steel Pivot Ball x 16  
#BRW750300

## ROD END INSTALLATION

Pivot Ball Tool (included)

Direction facing pivot ball when installing ← → Direction facing pivot ball when removing




Pivot Ball Tool

Pivot Ball

Nylon Rod End

Installation →

Removal ←

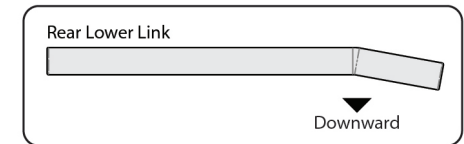
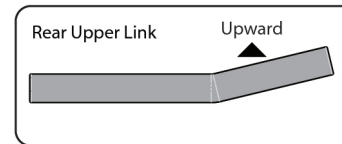
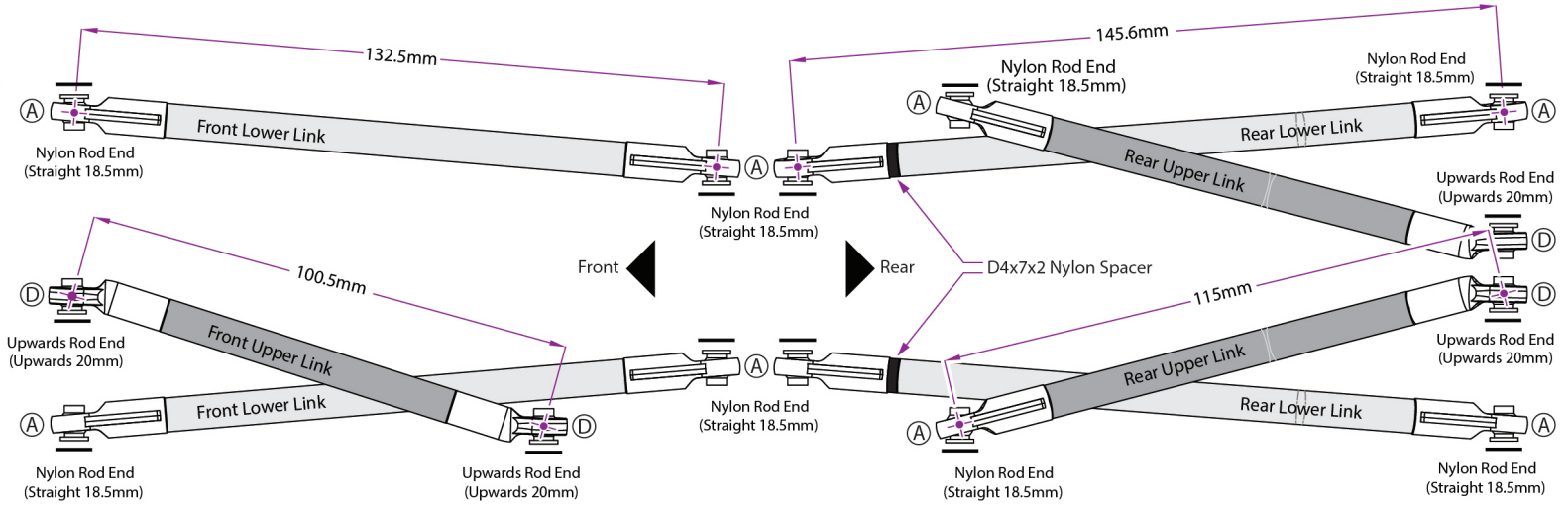


M4x16 Set Screw

Link

! - Install the set screw into the rod end before inserting into the link.

! - Tip: Use a 2.0 Hex Driver to torque the set screw into the rod end.



LINKS

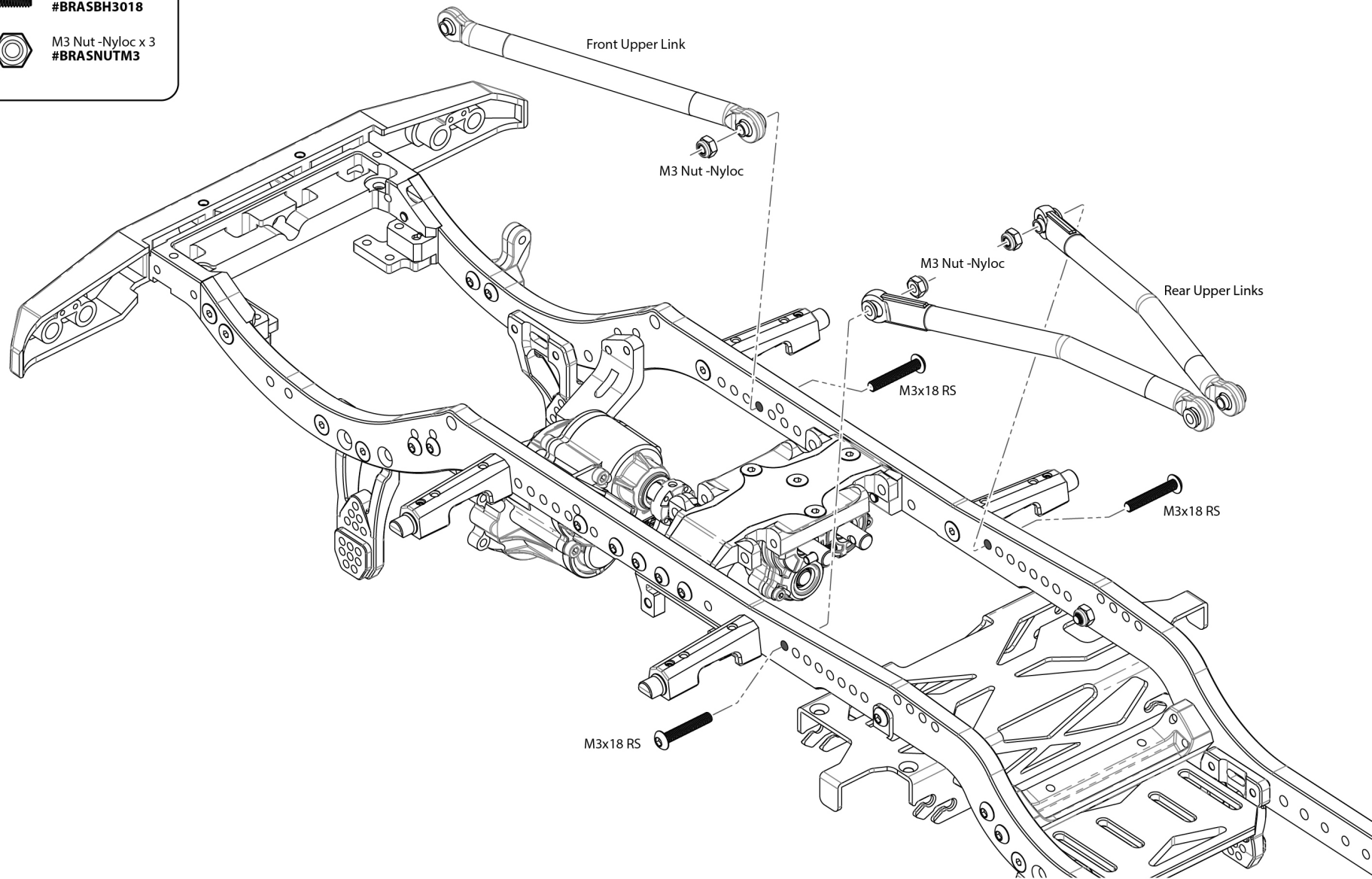
**B LINKS / SHOCKS**



M3x18 RS x 3  
#BRASBH3018



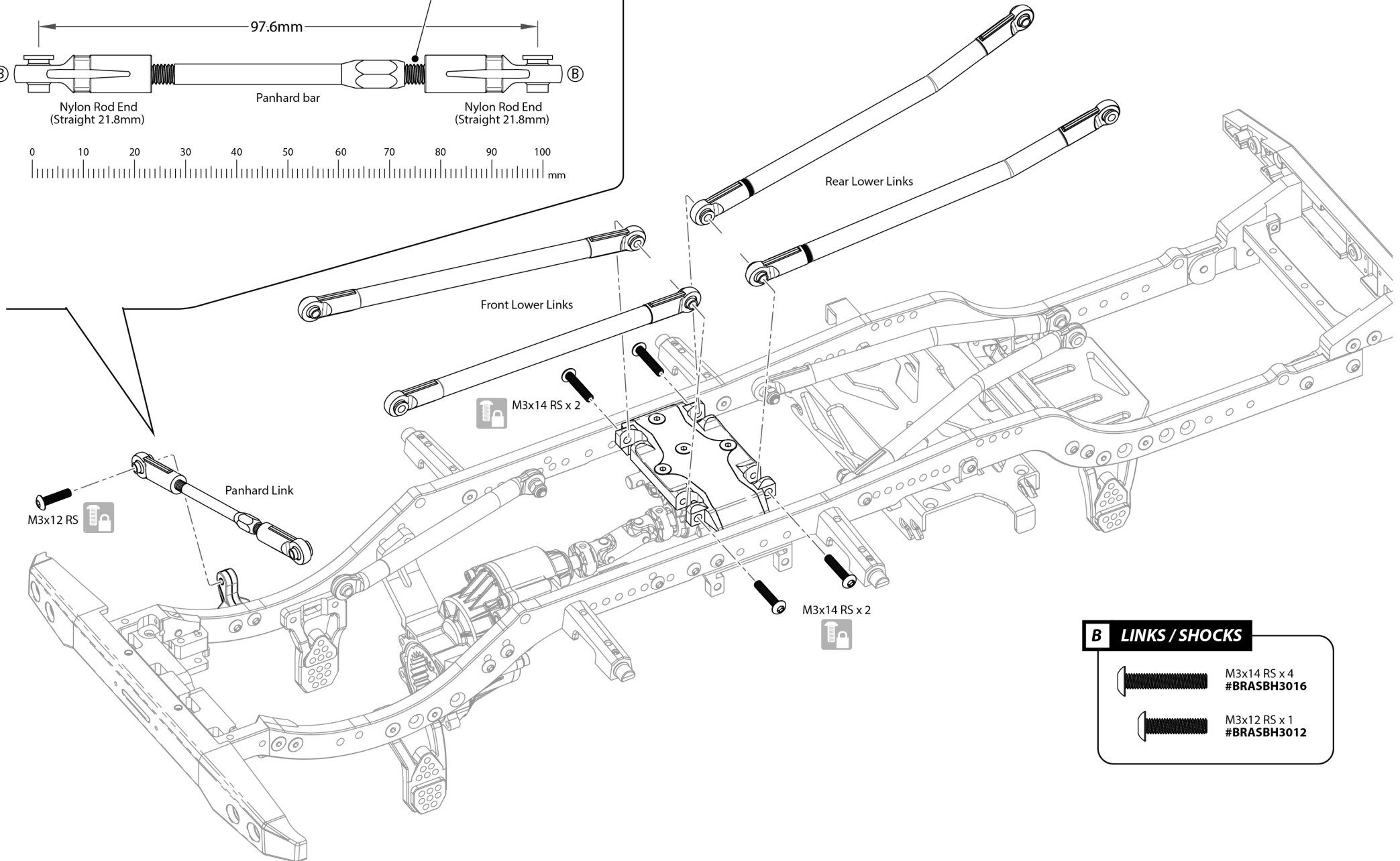
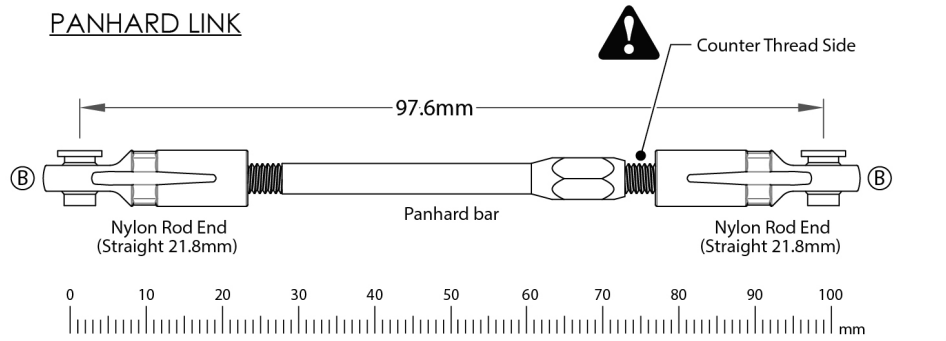
M3 Nut-Nyloc x 3  
#BRASNUTM3





LINKS

LINKS

**PANHARD LINK**



**B LINKS / SHOCKS**

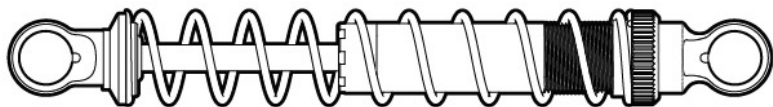
-  M3x14 RS x 4  
#BRASBH3016
-  M3x12 RS x 1  
#BRASBH3012

LINKS

LINKS

# 8 - SHOCKS

Parts Needed:



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

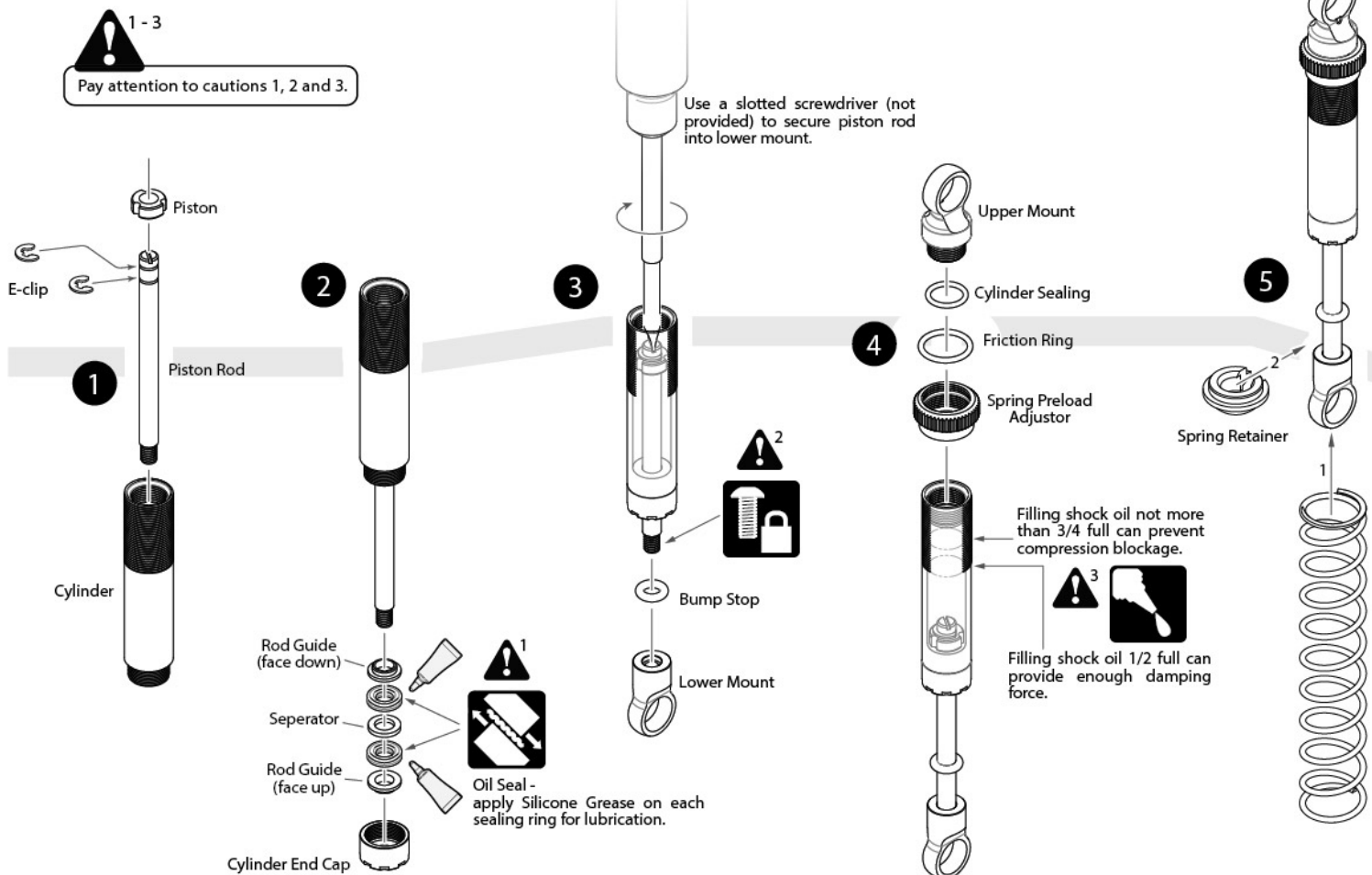


Shock End Pivot Ball x 8  
#BRW750310

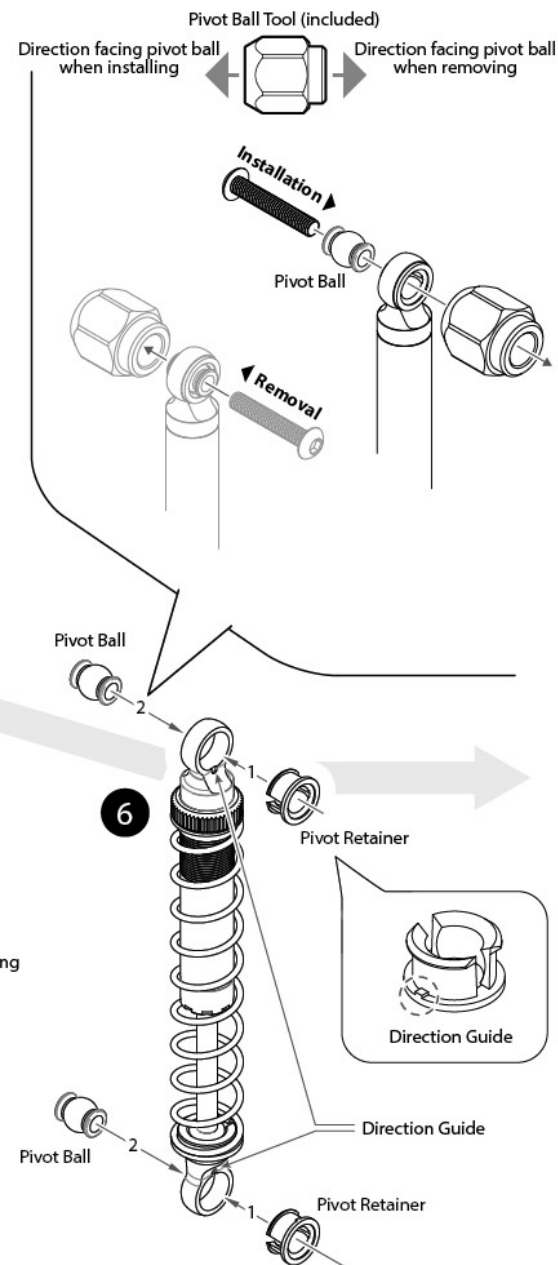


Joint Retainer x 8  
#BRSHJR

## SHOCKS INSTALLATION & SETUP

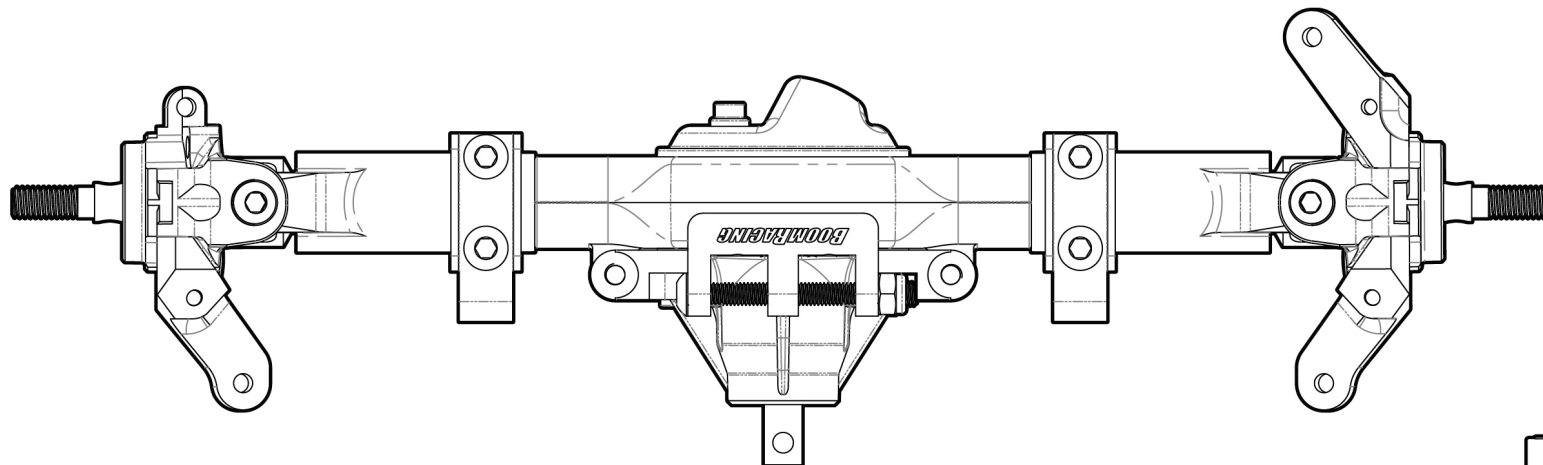


## PIVOT BALL INSTALLATION & REMOVAL

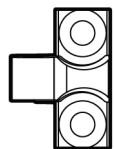


# 9 - AXLES & SHOCKS

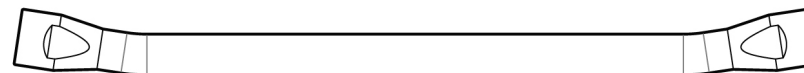
Parts Needed:



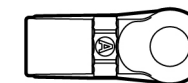
BRX90 Complete Front **PHAT™** Axle LINK Ver. x 1  
#BRX02022LK



Axle Panhard Mount x 1  
#BRX020024



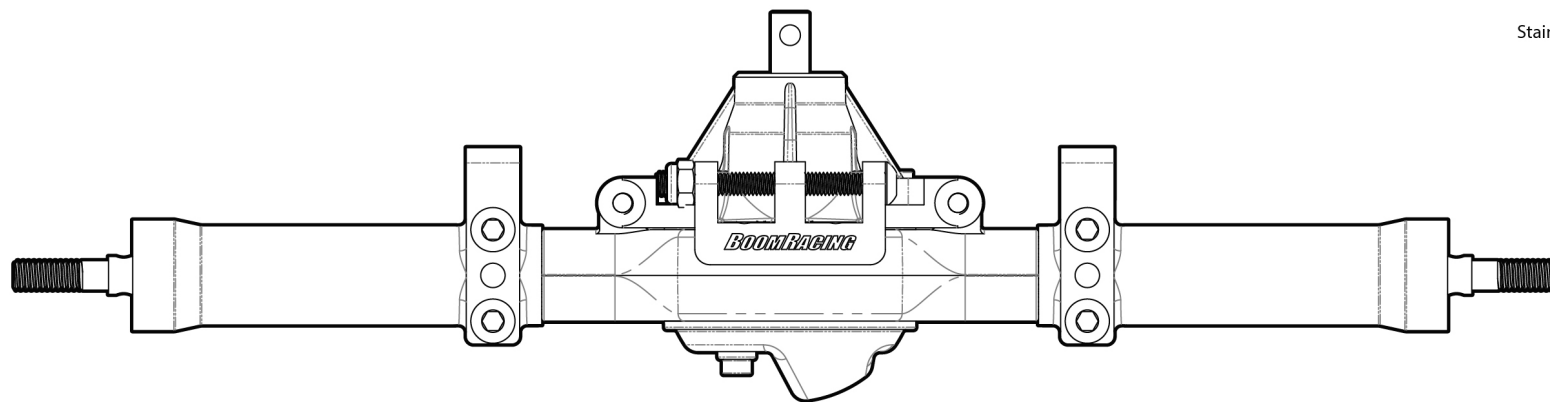
Stainless Steel Tie Rod x 1  
#BRD9022A



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








**BADASS™**  
Stainless Steel Pivot Ball x 2  
#BRW750300

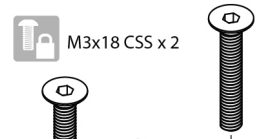


BRX90 Complete Rear **PHAT™** Axle LINK Ver. x 1  
#BRX020023LK

**B LINKS / SHOCKS**

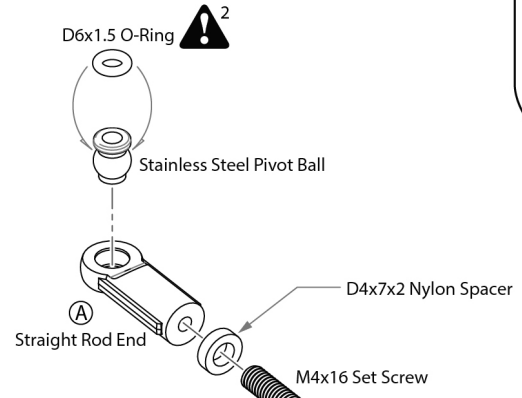
-  M3x12 RS x 2  
#BRASBH3012
-  M3x18 CSS x 2  
#BRASFH3018
-  M4x16 SS x 2  
#BRASST4016
-  D6x1.5 O-Ring x 2  
#BRORD6-15
-  D4x7x2  
Nylon Spacer x 2  
#BRASPD427/N

  1  
Add thread lock to screws on moving parts.

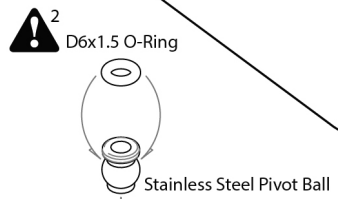



Remove the two pre-installed screws

 1  
Front Axle









TIE ROD

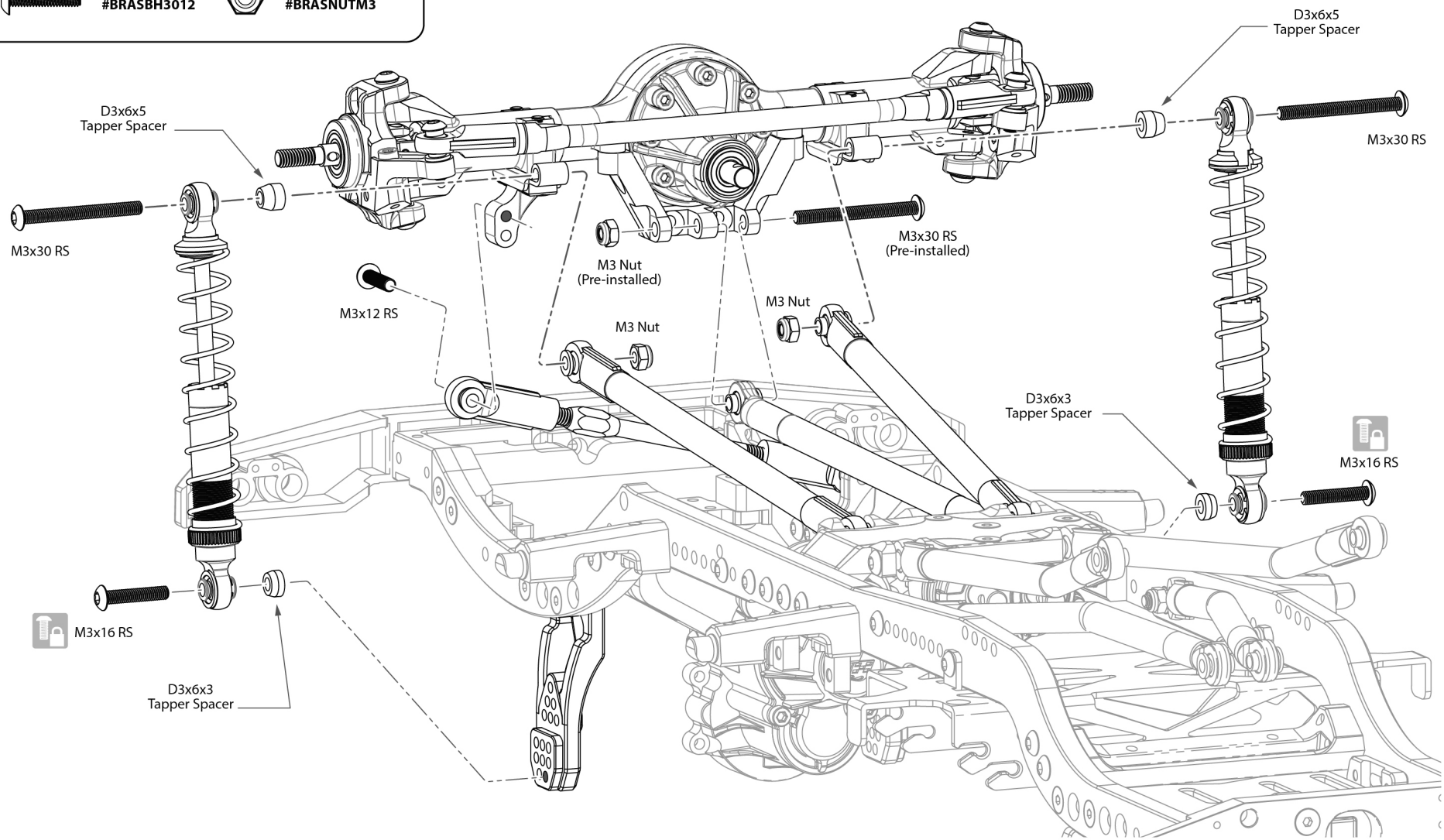


 2  
O-ring helps reduce tie rod from wobbling.








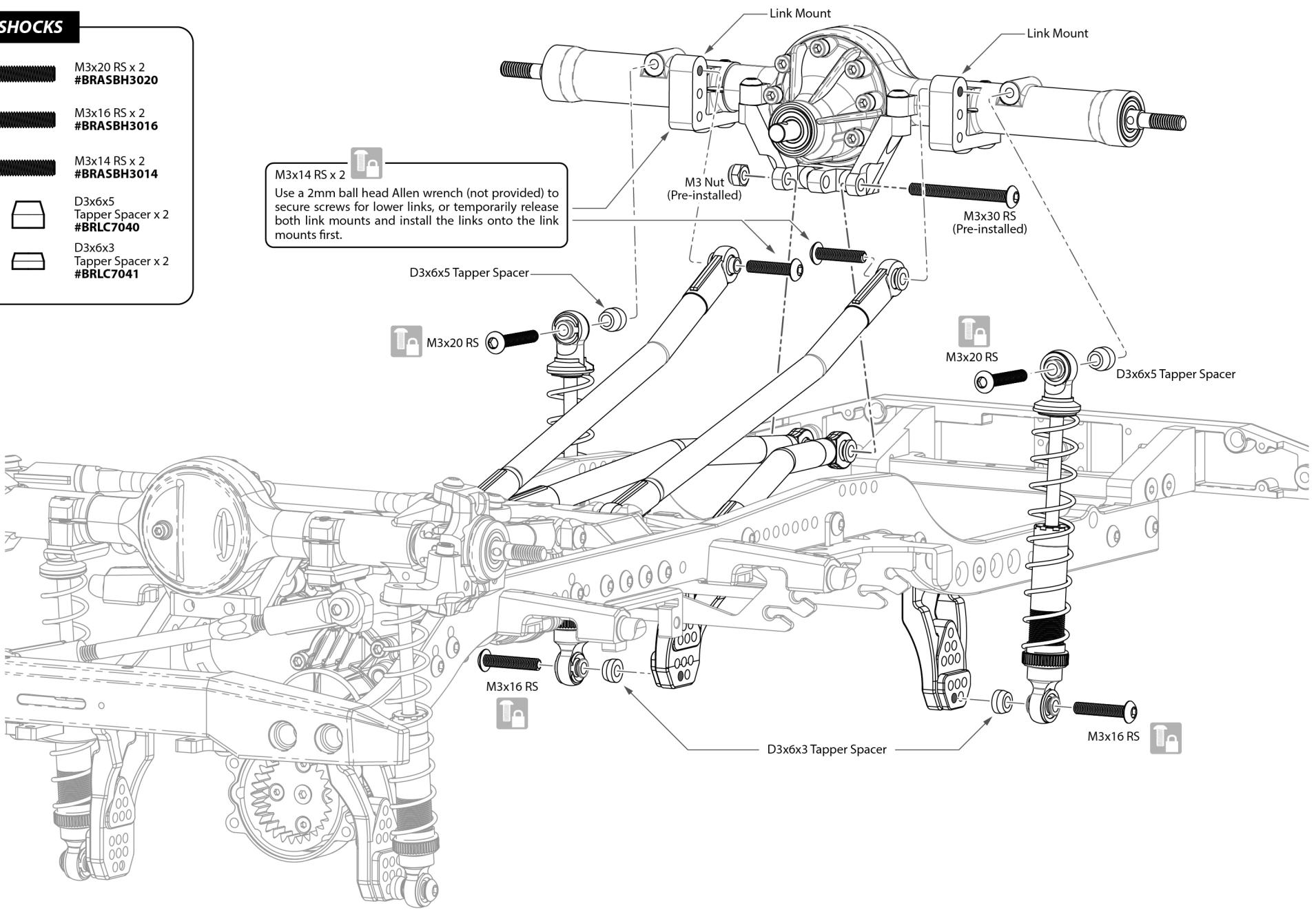
**B LINKS / SHOCKS**

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



**B LINKS / SHOCKS**

-  M3x20 RS x 2  
#BRASBH3020
-  M3x16 RS x 2  
#BRASBH3016
-  M3x14 RS x 2  
#BRASBH3014
-  D3x6x5  
Tapper Spacer x 2  
#BRLC7040
-  D3x6x3  
Tapper Spacer x 2  
#BRLC7041

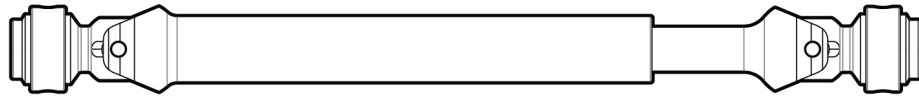


M3x14 RS x 2  
Use a 2mm ball head Allen wrench (not provided) to secure screws for lower links, or temporarily release both link mounts and install the links onto the link mounts first.



# 10 - DRIVE SHAFTS

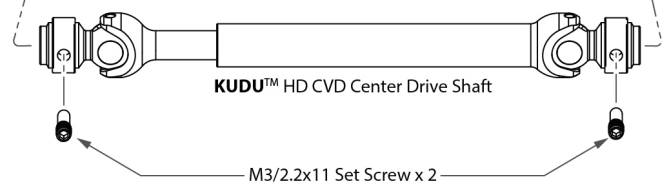
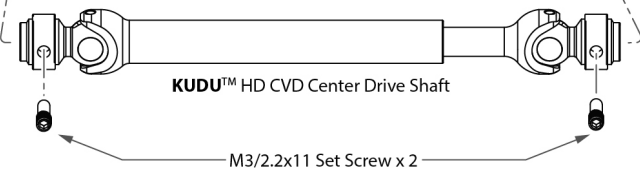
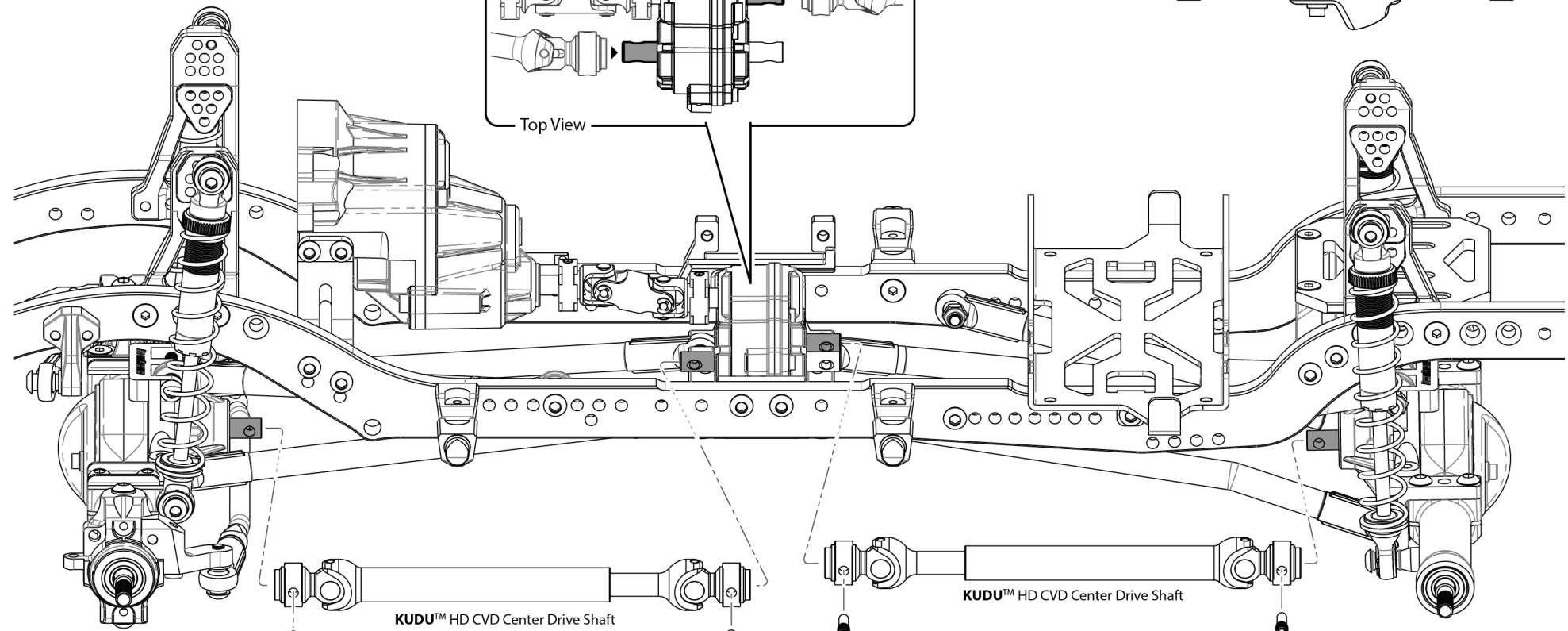
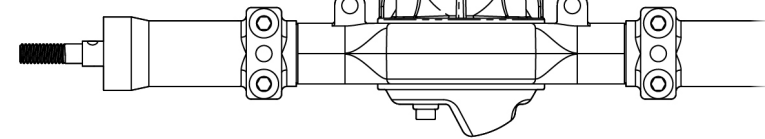
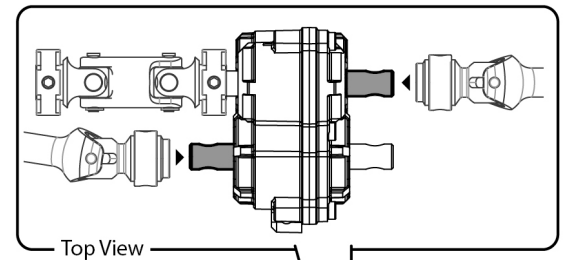
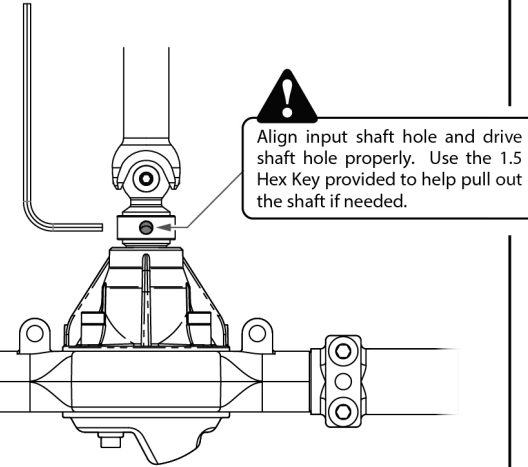
Parts Needed:



**KUDU™ HD CVD Center Drive Shaft x 2**  
#BRX020043

**D GEARBOX / TRANSFER CASE**

M3/2.2x11 SS x 4  
#BRASST3022/DS

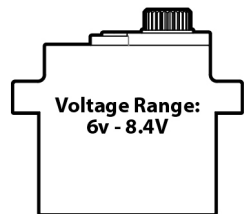


DRIVE SHAFTS

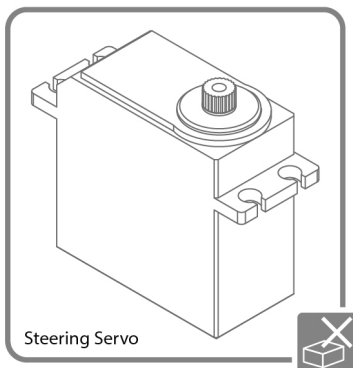
DRIVE SHAFTS

# 11 - SERVOS

Parts Needed:



JX Waterproof HV Mini Servo  
#JX/PDI-HV1151MG

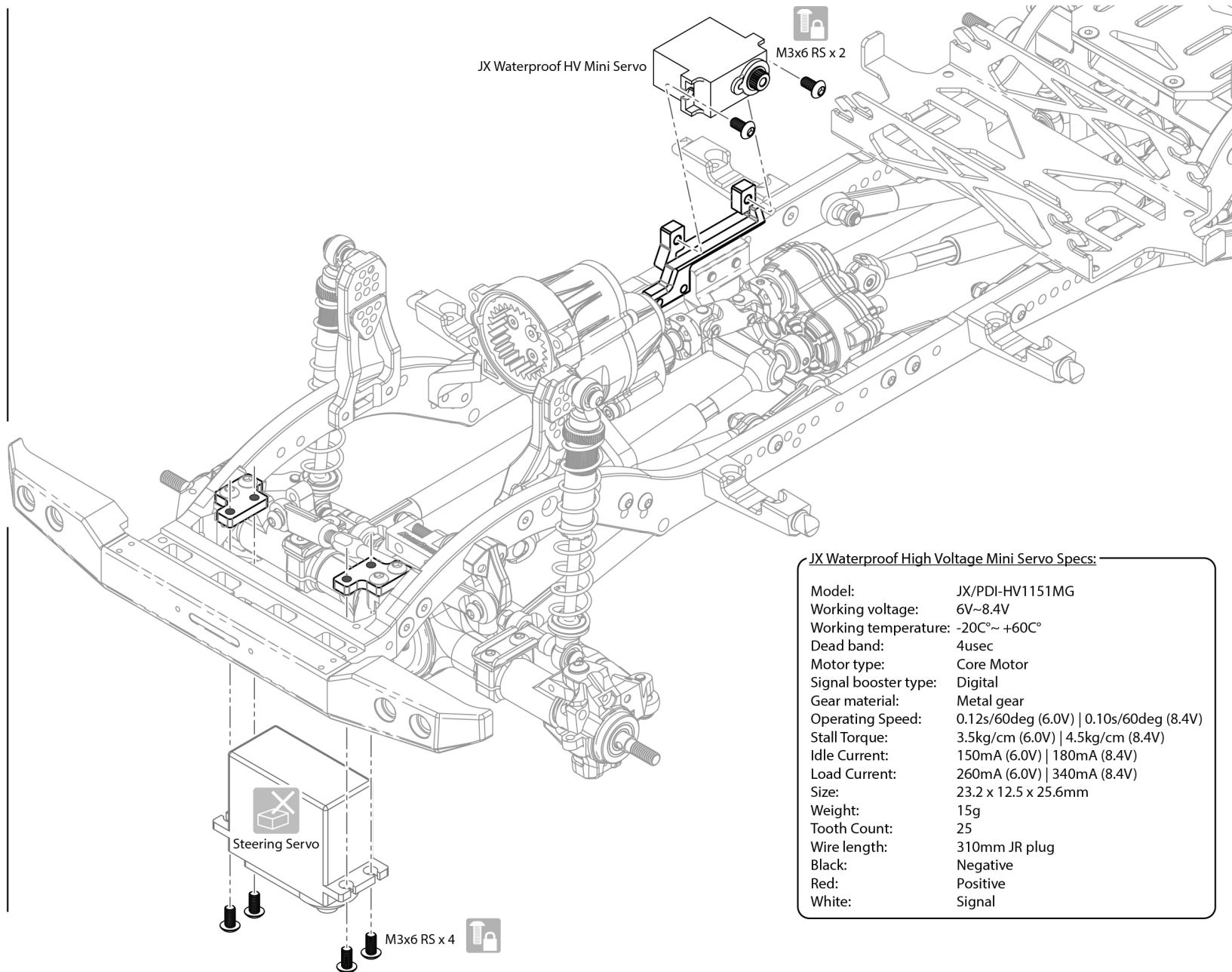


Steering Servo

## G SERVOS



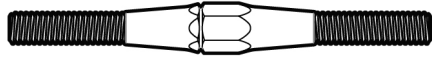
M3x6 RS x 6  
#BRASBH3006



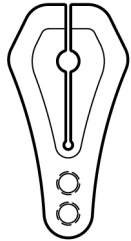
### JX Waterproof High Voltage Mini Servo Specs:

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

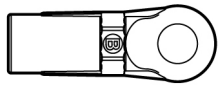
Parts Needed:



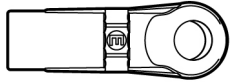
Fine Tunable Link - 55mm x 1  
#BRLC7050



Servo Horn B - 25T x 1  
#BR955014BK



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



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

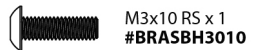


BADASS™ Stainless Steel Pivot Ball x 2  
#BRW750300

**B LINKS / SHOCKS**



M3x12 RS x 1  
#BRASBH3012



M3x10 RS x 1  
#BRASBH3010

**G SERVOS**



M3x6 RS x 1  
#BRASBH3006



M2x8 SC x 2  
#BRASCH2008

**DRAG LINK**



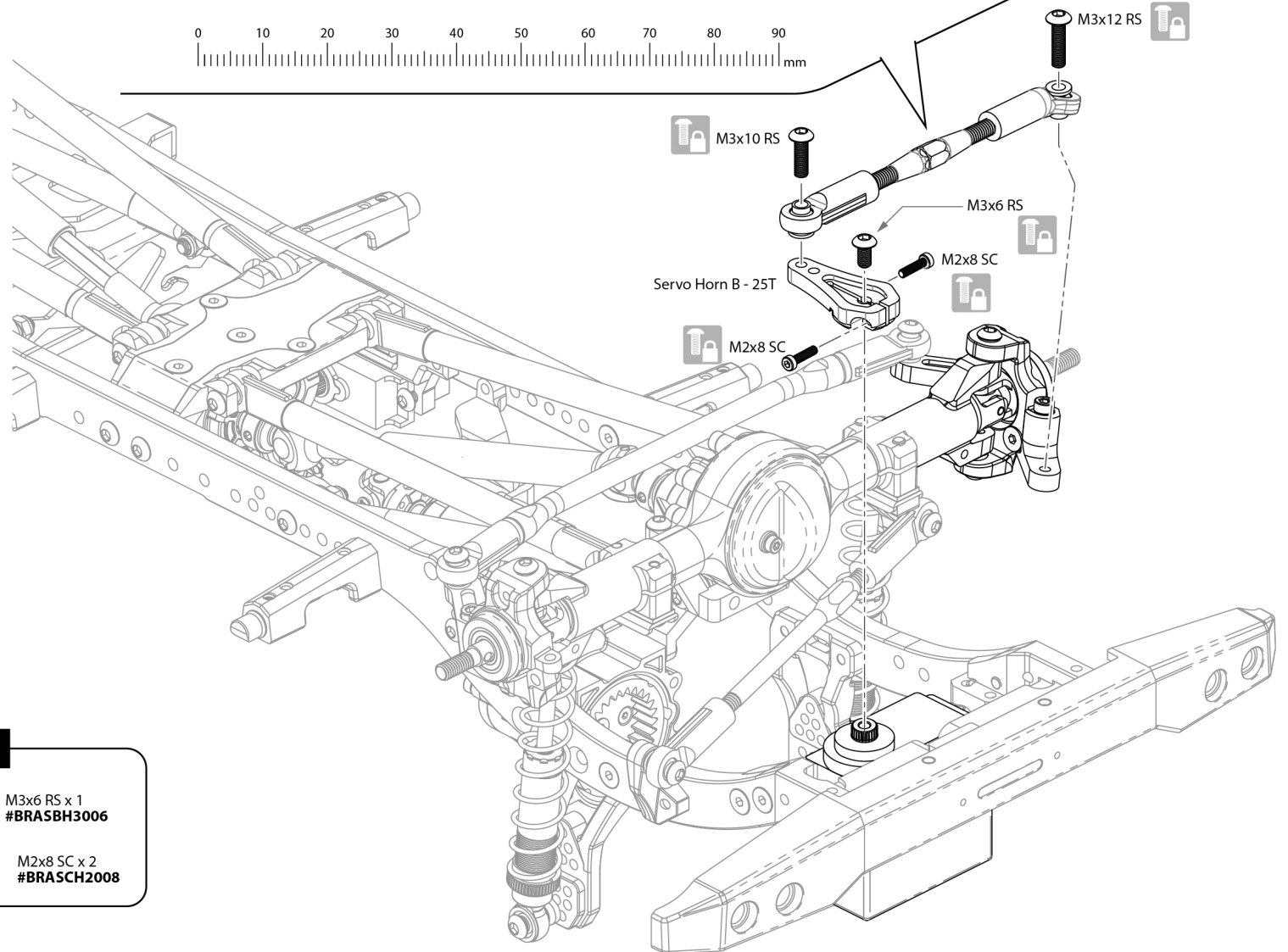
Counter Thread Side

86.8mm

Nylon Rod End (Straight 21.8mm) **B**

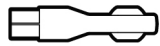
Nylon Rod End (Upwards 23.7mm) **E**

Fine Tunable Link



# 12 - SHIFT ROD

Parts Needed:



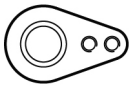
D2 Ball & Rod End x1  
#BRQ90351



Shift Rod x1  
#BRX020051

## G SERVOS

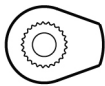
#BRLC7049



Follower  
Horn A x1



Spring  
Horn A x1



Initiator  
Horn A x1



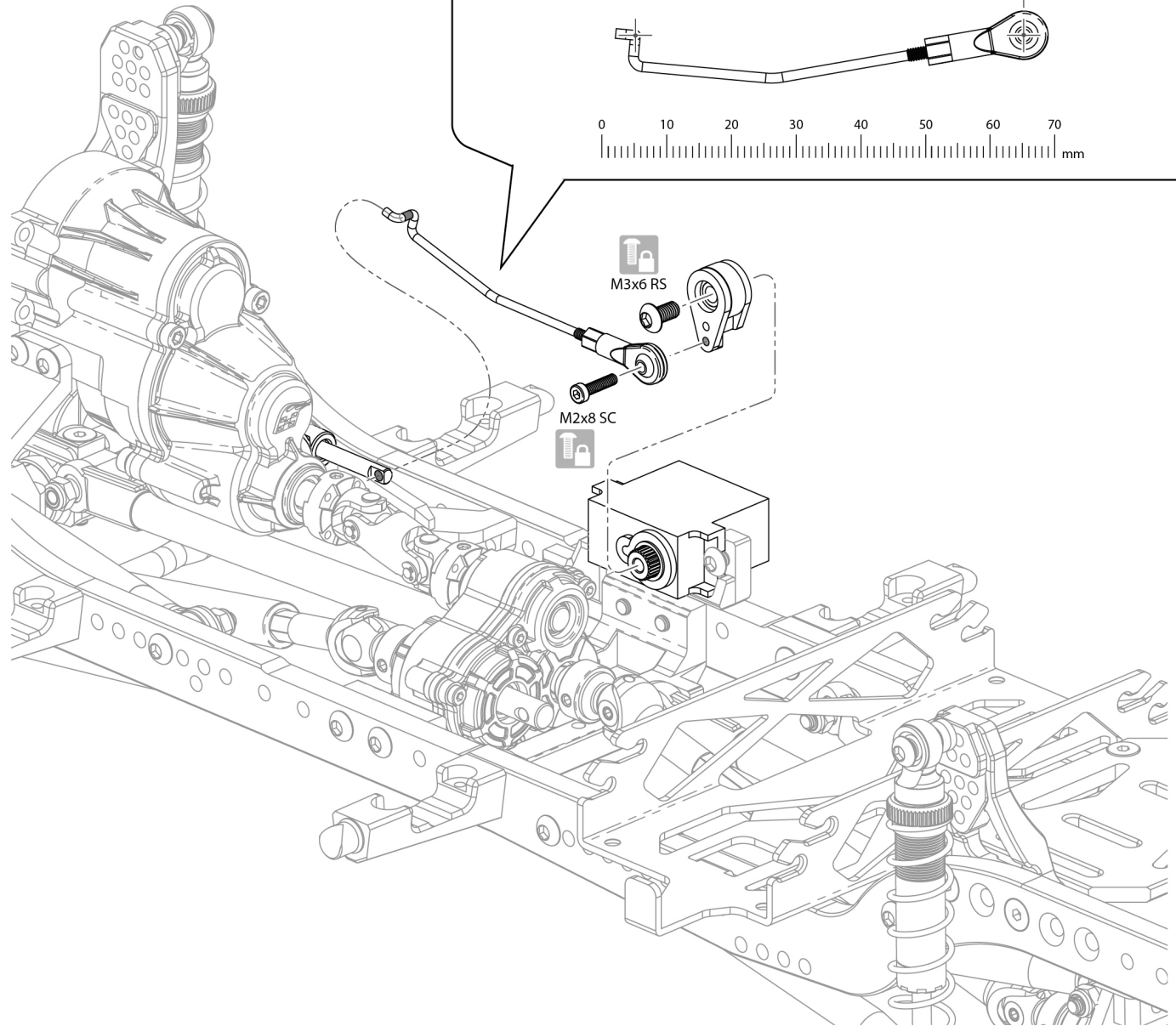
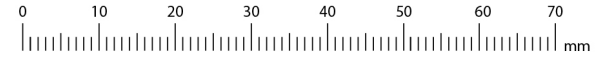
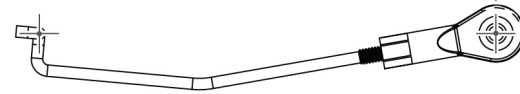
M3x6 RS x1  
#BRASBH3006



M2x8 SC x1  
#BRASCH2008

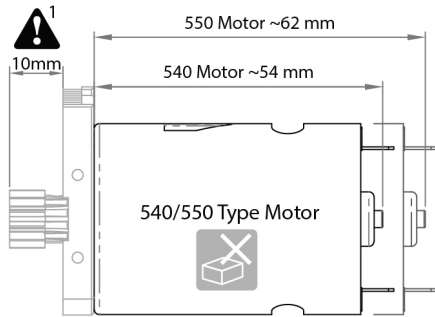
SHIFT ROD

60mm

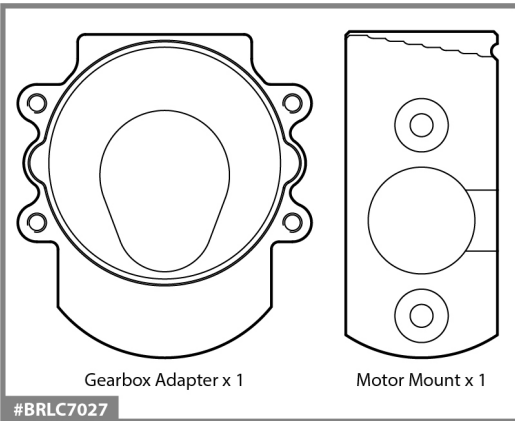


# 13 - MOTOR

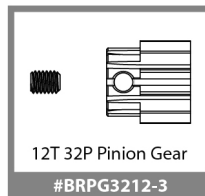
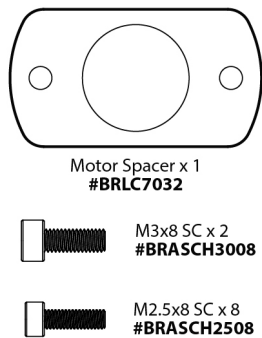
## Parts Needed:



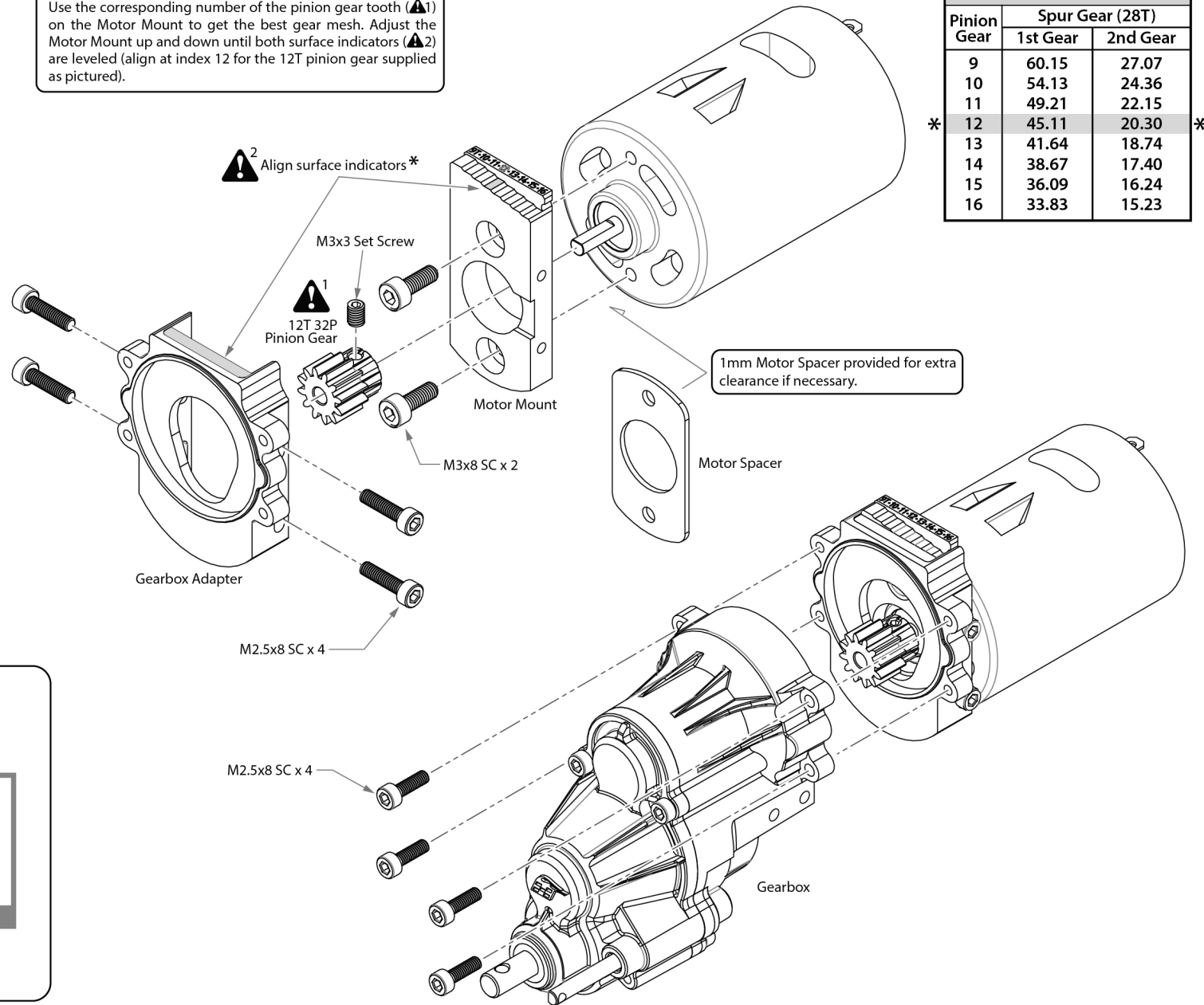
540/550 type motors can be used on BRX02.



## D GEARBOX / TRANSFER CASE



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



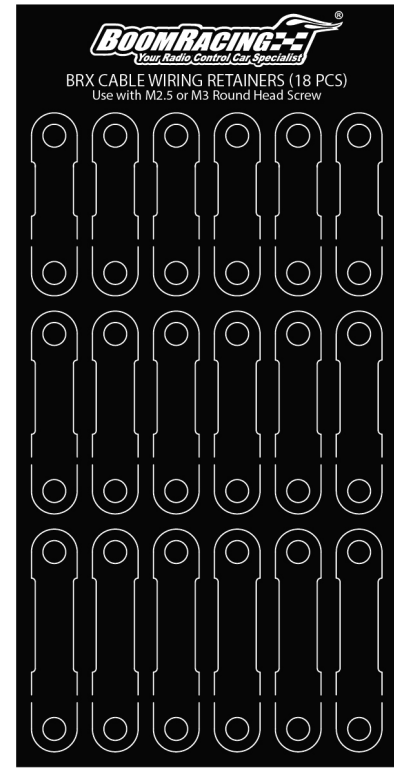
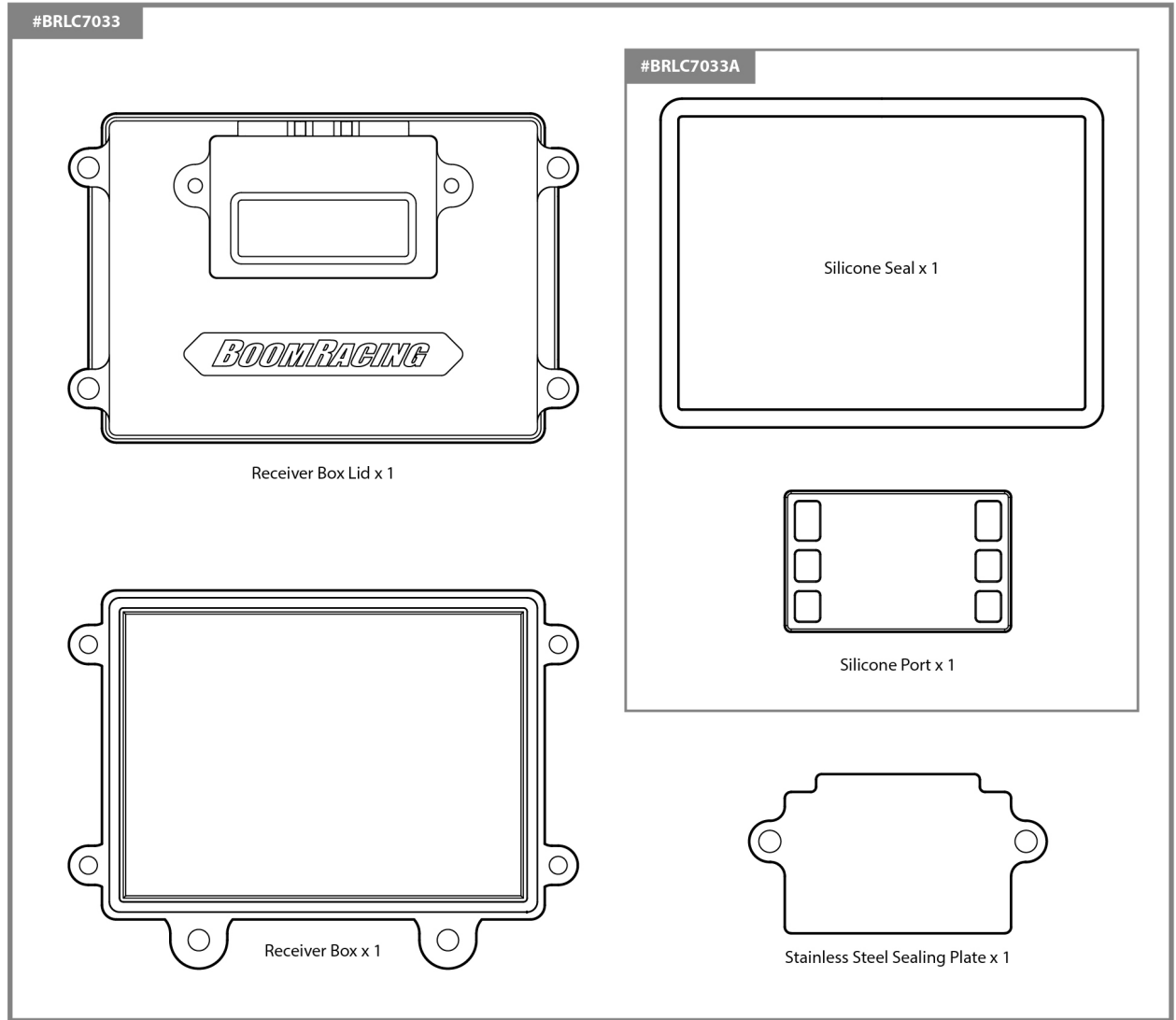
Pinion Gear	Final Drive Ratio	
	Spur Gear (28T)	
	1st Gear	2nd Gear
9	60.15	27.07
10	54.13	24.36
11	49.21	22.15
* 12	45.11	20.30
13	41.64	18.74
14	38.67	17.40
15	36.09	16.24
16	33.83	15.23

MOTOR

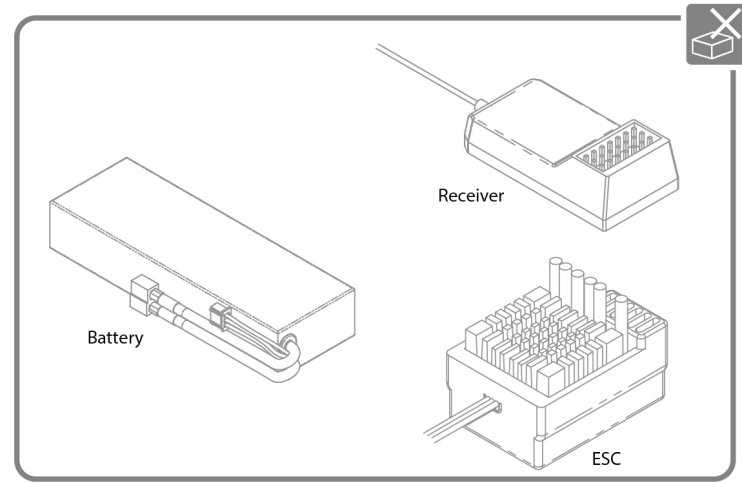
MOTOR

# 14 - RECEIVER BOX & ELECTRONICS INSTALLATION

Parts Needed:



Cable Wiring Retainers  
#BRT10037

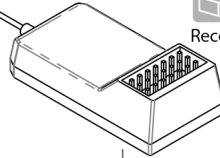
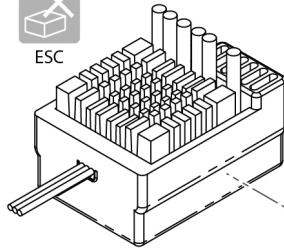


RECEIVER BOX & ELECTRONICS

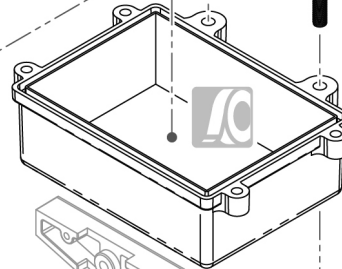
RECEIVER BOX & ELECTRONICS

**E RECEIVER BOX**

M3x10 RS x 2  
#BRASBH3010



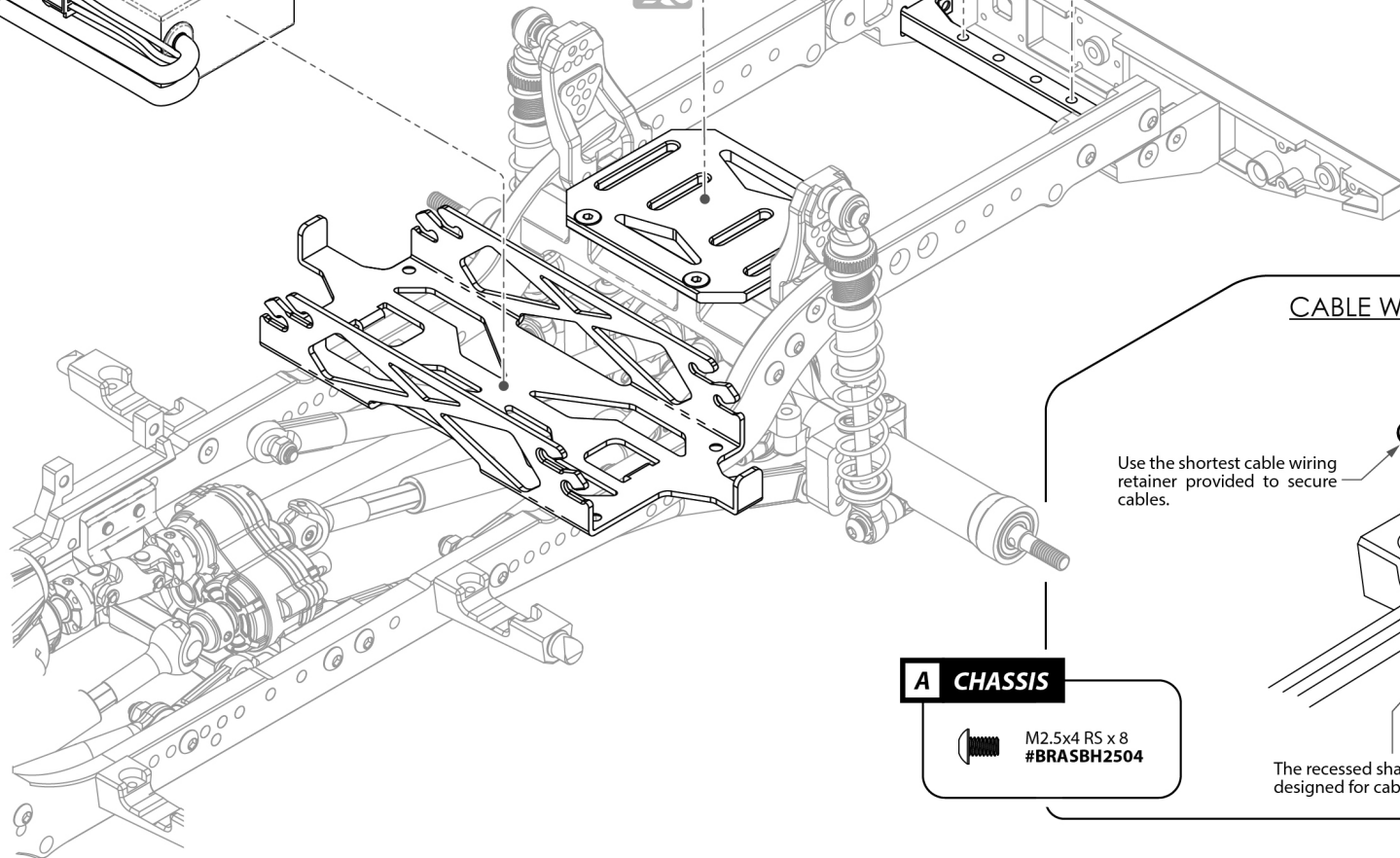
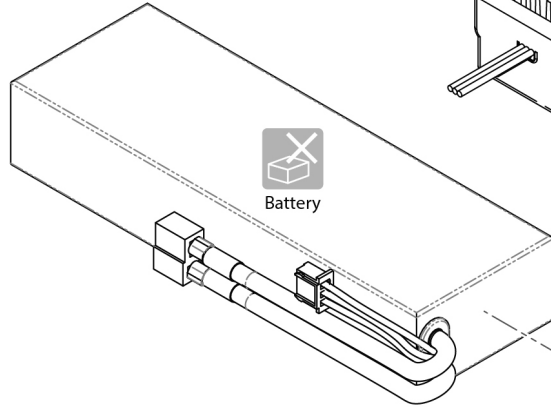
M3x10 RS x 2



Receiver Box

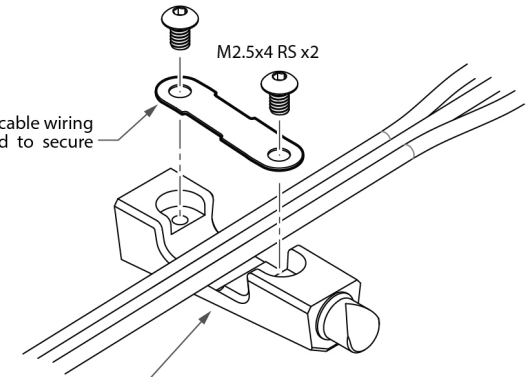


Battery



**CABLE WIRING RETAINER**

M2.5x4 RS x 2



Use the shortest cable wiring retainer provided to secure cables.

The recessed shape on body post is designed for cable routing.

**A CHASSIS**

M2.5x4 RS x 8  
#BRASBH2504

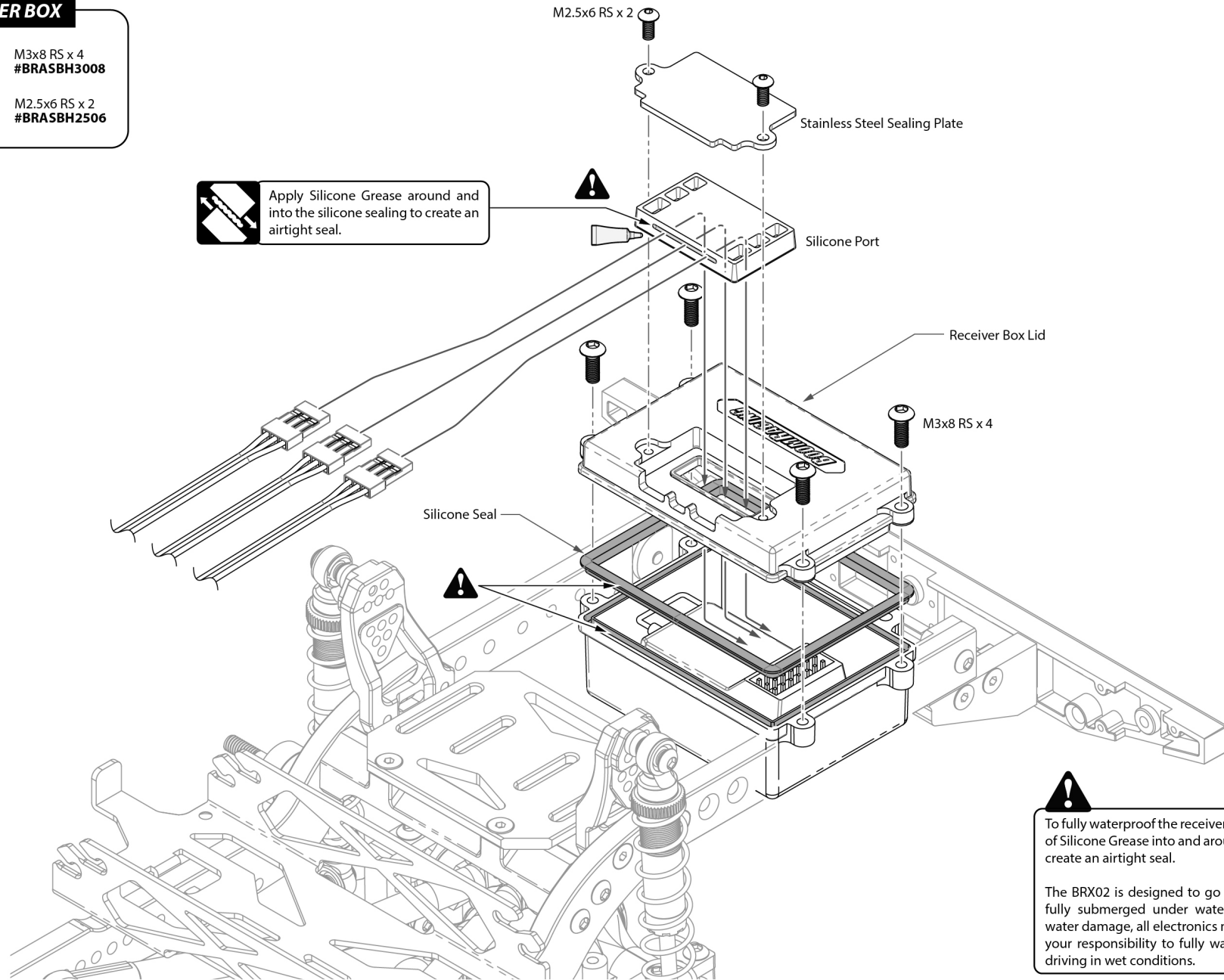


**E RECEIVER BOX**

M3x8 RS x 4  
#BRASBH3008

M2.5x6 RS x 2  
#BRASBH2506

Apply Silicone Grease around and into the silicone sealing to create an airtight seal.



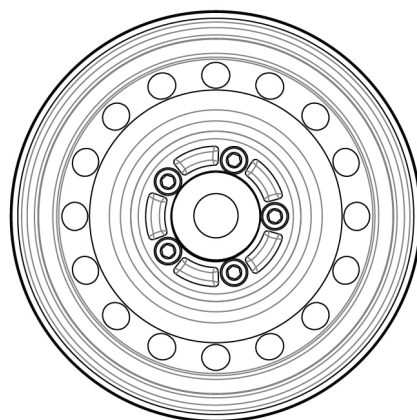
**!**  
To fully waterproof the receiver box, apply a generous amount of Silicone Grease into and around the two silicone sealings to create an airtight seal.

The BRX02 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.



# 15 - WHEELS & TIRES

Parts Needed:

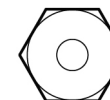


1.9" 16-Hole Classic Steelie Reversible Beadlock Wheel (Gun Metal) x 4  
#BRW780919  
with XT504 (#BRXT504V2) Wheel Hub



5100 Scale Center Wheel Hub Cap x 4  
#BRW780923

## C WHEELS



5mm Wheel Hex x 4  
#BR113008BK



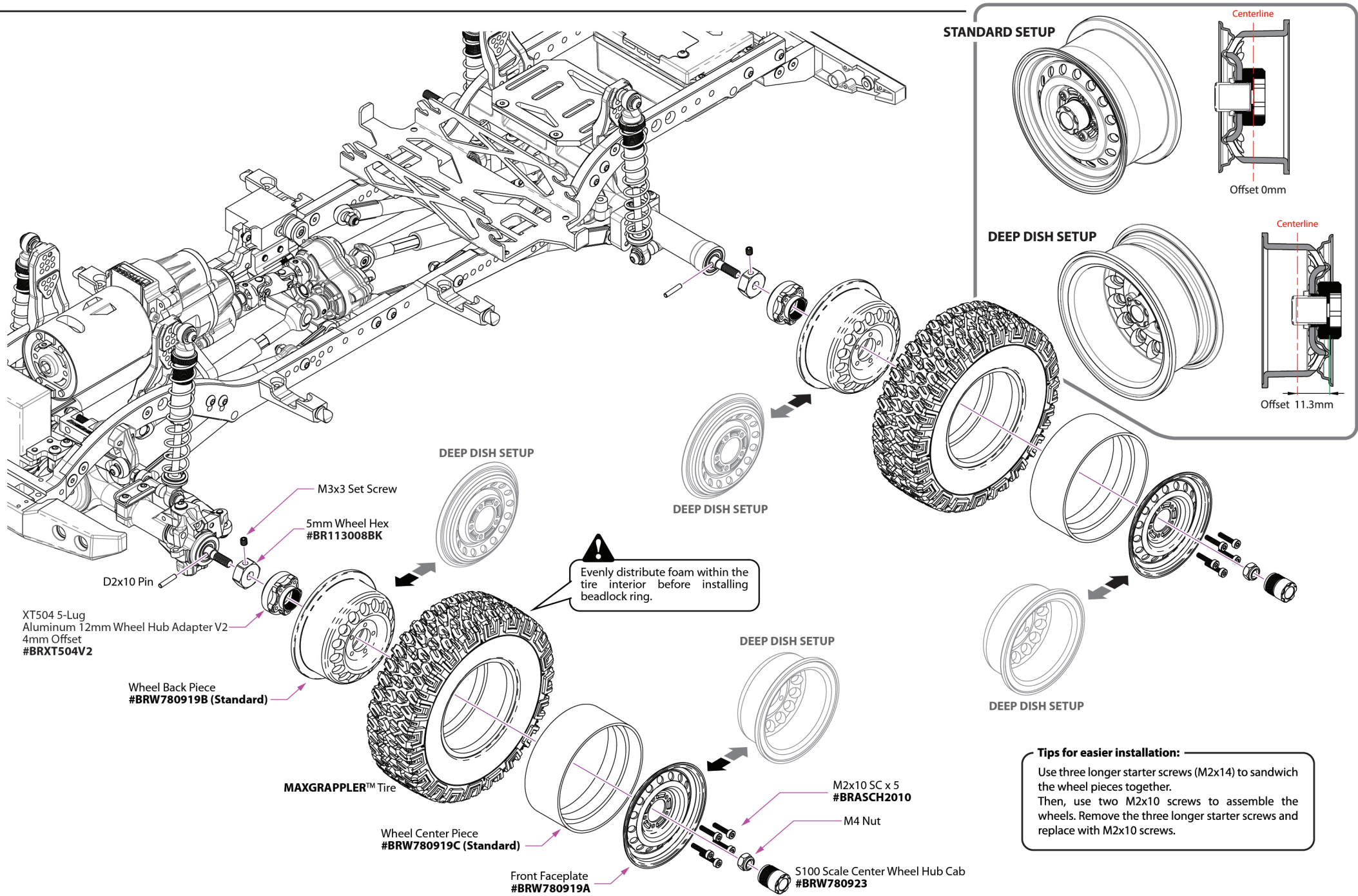
M4 Nut - Nyloc x 4  
#BRASNUTM4



M3x3 SS x 4  
#BRASST3003



2x10mm Pin x 4  
#BRASPIN210



XT504 5-Lug Aluminum 12mm Wheel Hub Adapter V2  
4mm Offset  
#BRXT504V2

Wheel Back Piece  
#BRW780919B (Standard)

MAXGRAPPLER™ Tire

Wheel Center Piece  
#BRW780919C (Standard)

Front Faceplate  
#BRW780919A

M2x10 SC x 5  
#BRASCH2010

M4 Nut

S100 Scale Center Wheel Hub Cap  
#BRW780923

D2x10 Pin

M3x3 Set Screw

5mm Wheel Hex  
#BR113008BK

DEEP DISH SETUP

DEEP DISH SETUP

**!**  
Evenly distribute foam within the tire interior before installing beadlock ring.

DEEP DISH SETUP

DEEP DISH SETUP

STANDARD SETUP

DEEP DISH SETUP

Centerline

Offset 0mm

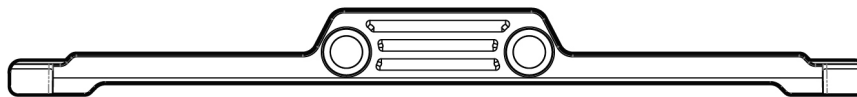
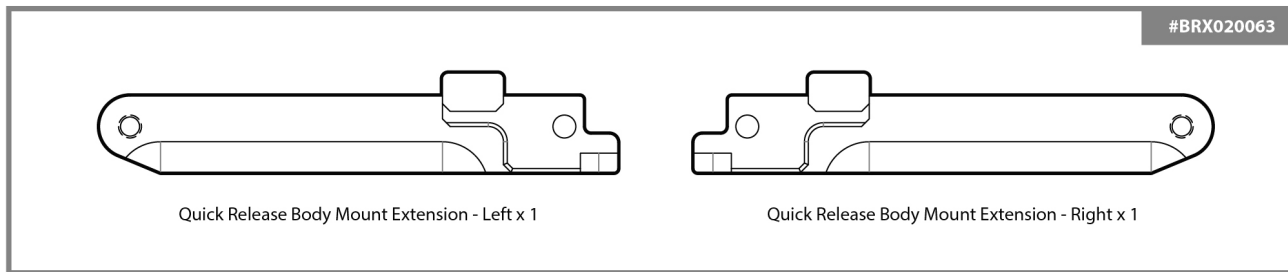
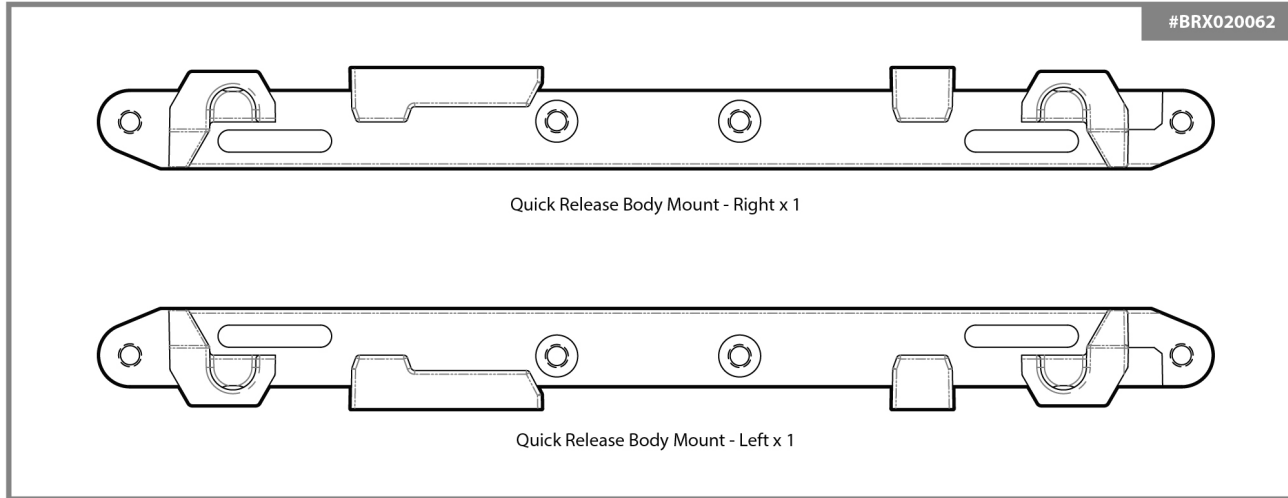
Centerline

Offset 11.3mm







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

# 16 - BODY MOUNT

Parts Needed:



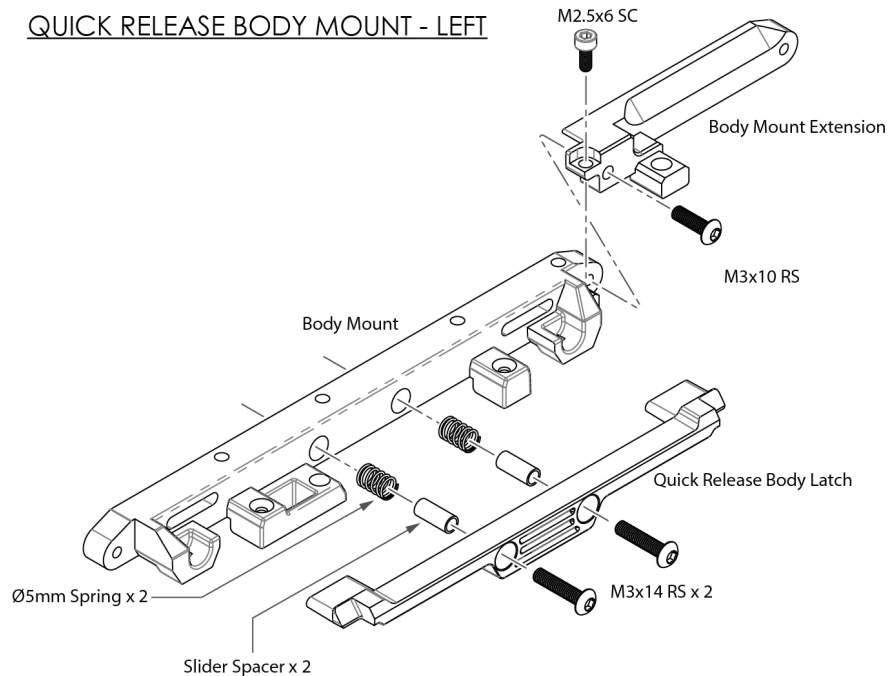
## F BODY MOUNTS

-  M3x14 RS x 4  
#BRASBH3014
-  M3x10 RS x 2  
#BRASBH3010
-  M3x8 RS x 4  
#BRASBH3008
-  M2.5x6 SC x 2  
#BRASCH2506
-  Ø5mm Spring x 4  
#BRASSPRING05510
-  Slider Spacer x 4  
#BRX020035

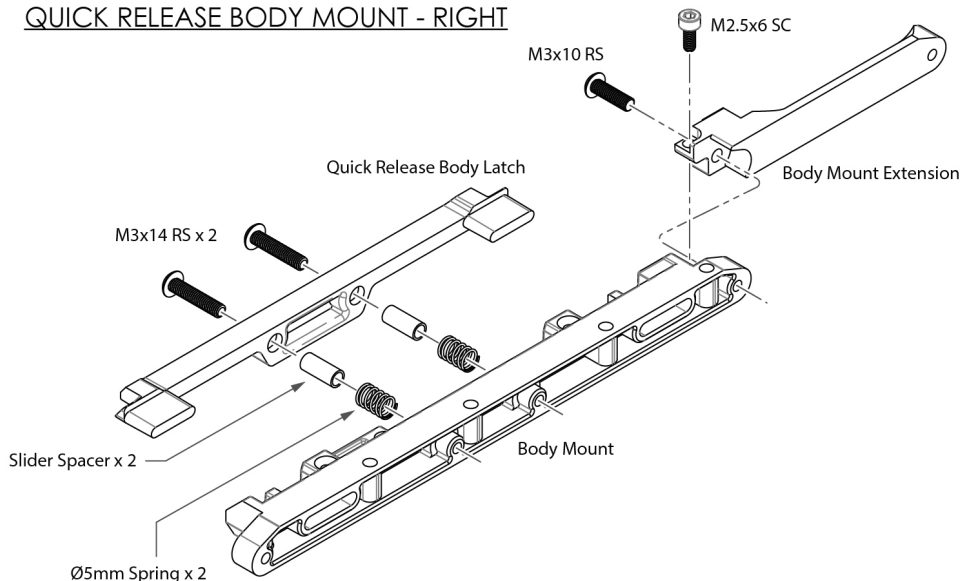
BODY MOUNT


BODY MOUNT

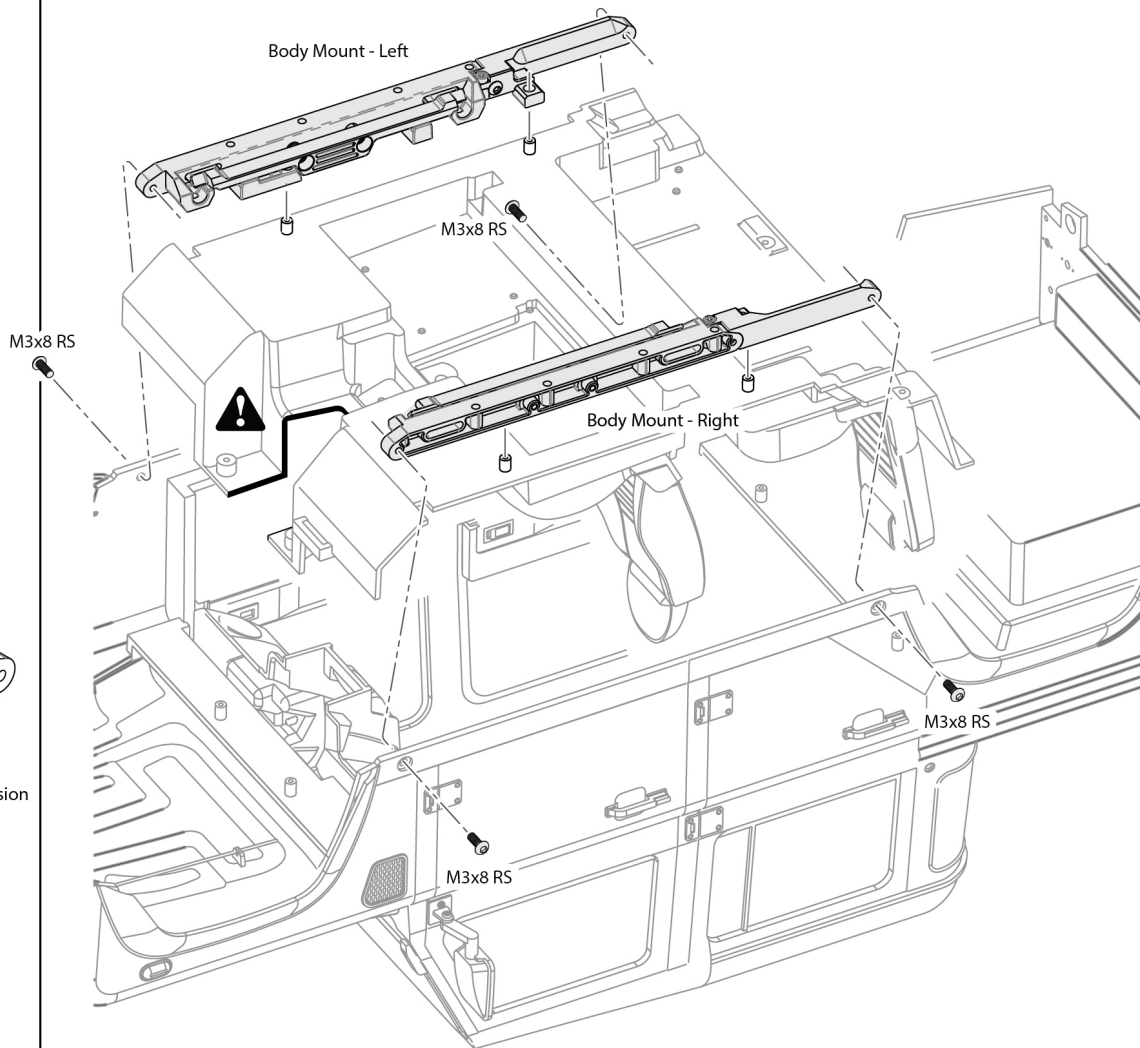
### QUICK RELEASE BODY MOUNT - LEFT



### QUICK RELEASE BODY MOUNT - RIGHT

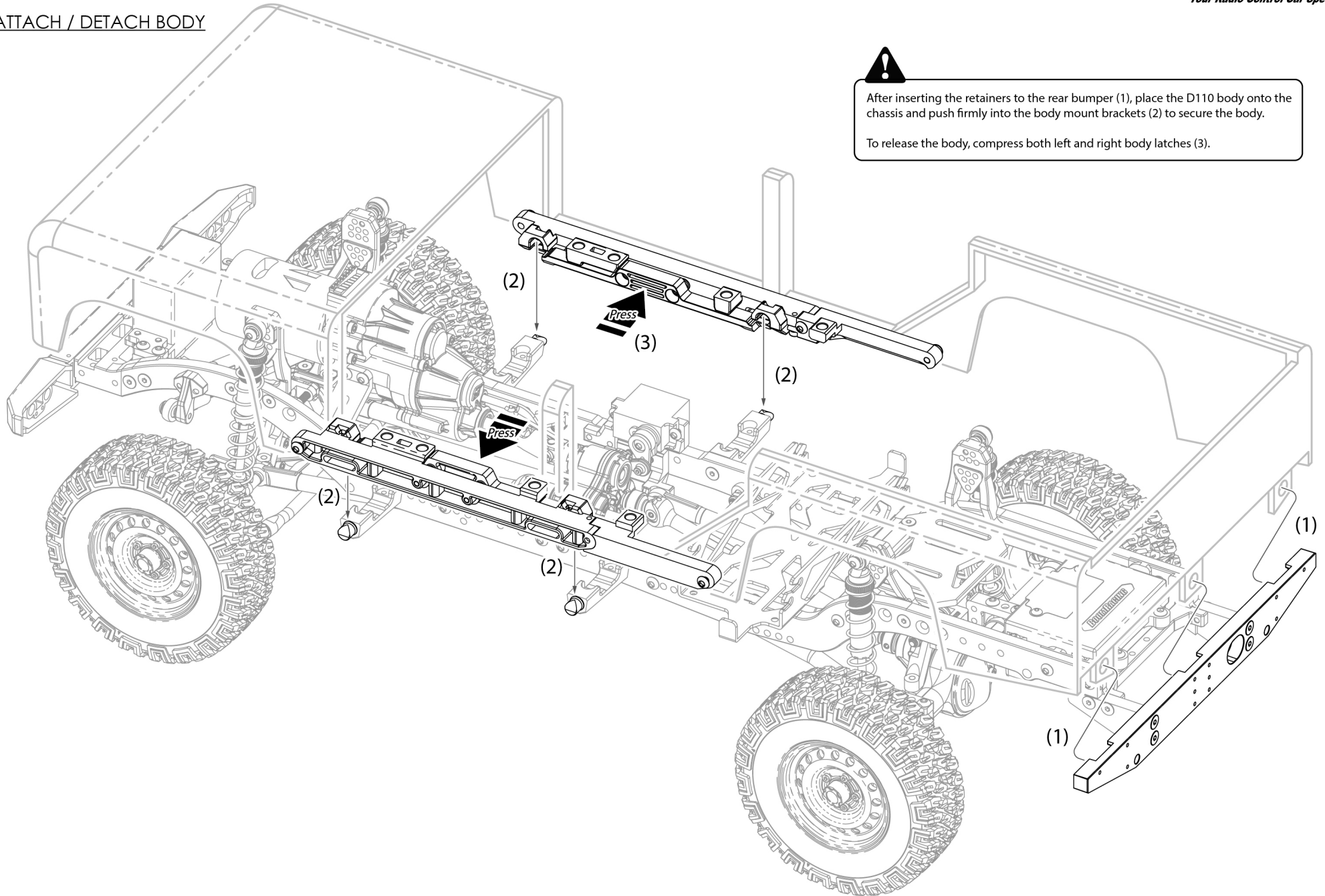


 Refer to page 55 for interior opening.



ATTACH / DETACH BODY

⚠  
After inserting the retainers to the rear bumper (1), place the D110 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).

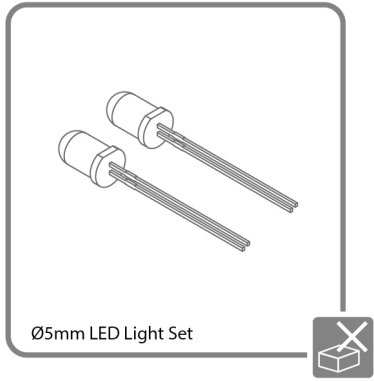


**BODY MOUNT**

**BODY MOUNT**

# 17 - OPTIONAL LED INSTALLATION

Parts Needed:



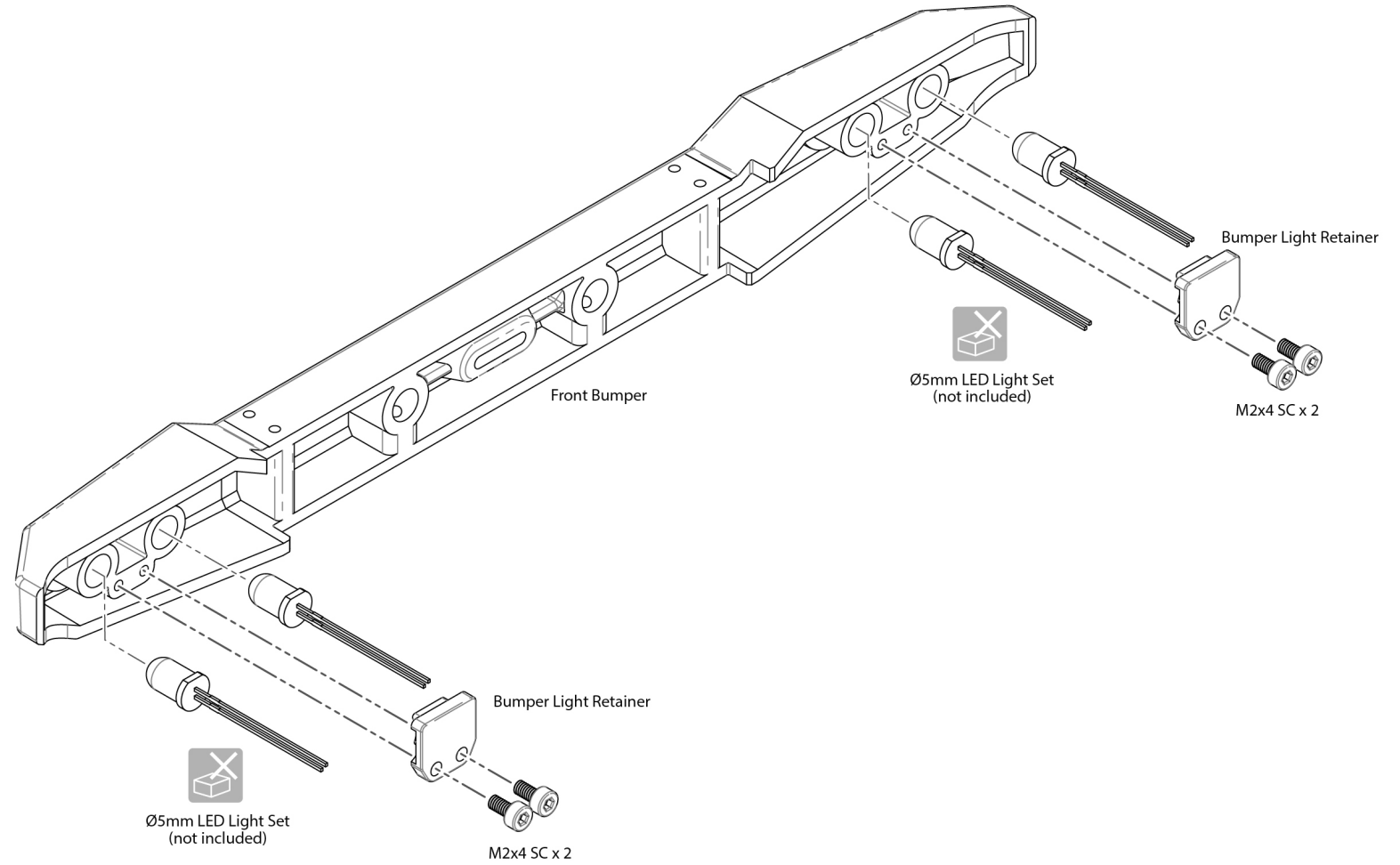
## A CHASSIS



Bumper Light Retainer x 2  
#BRX020032

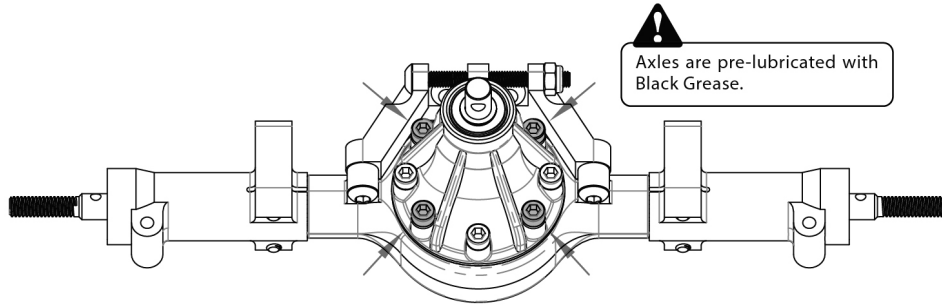


M2x4 SC x 4  
#BRASFCH2004



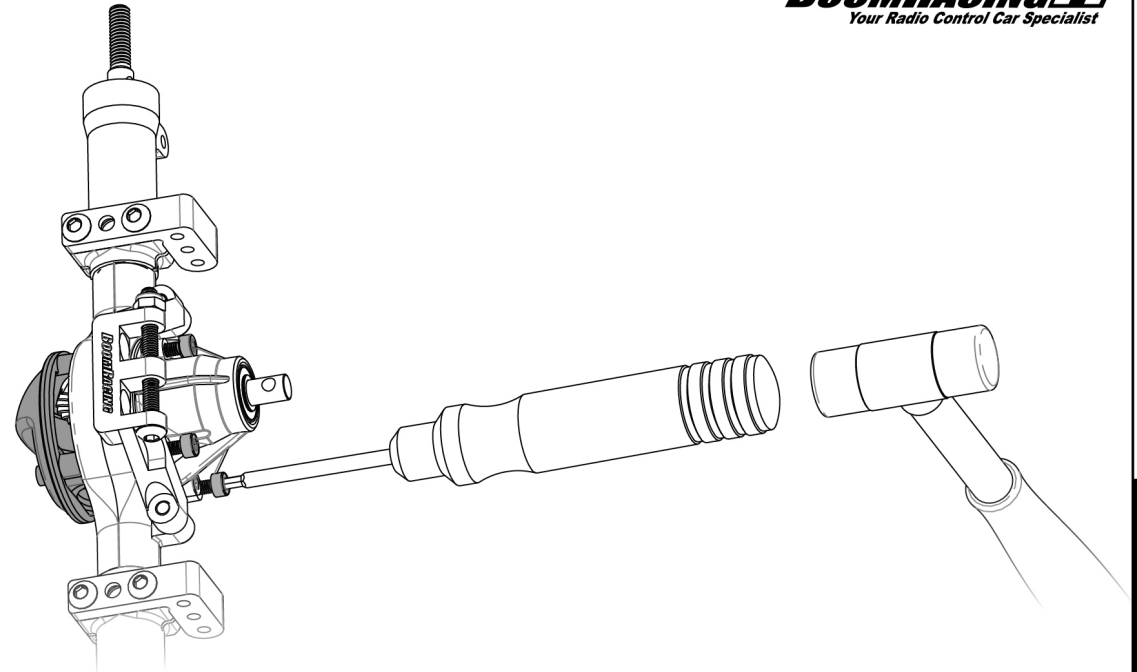
## PRE-ASSEMBLED AXLE

### Front Diff Cover Release Method In Case Assembly Is Tight.

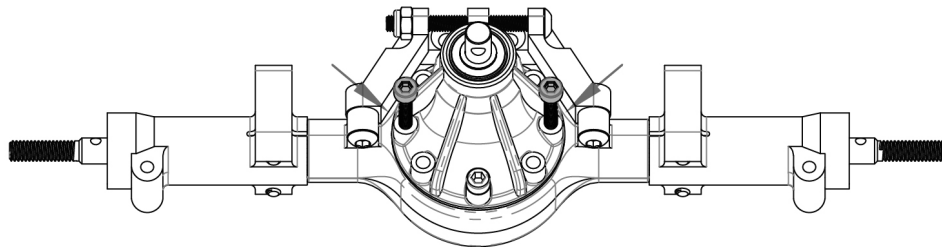


Step 1 - Loosen four M2.5x16mm socket screws indicated making the screw cap 3 mm apart from the case.

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



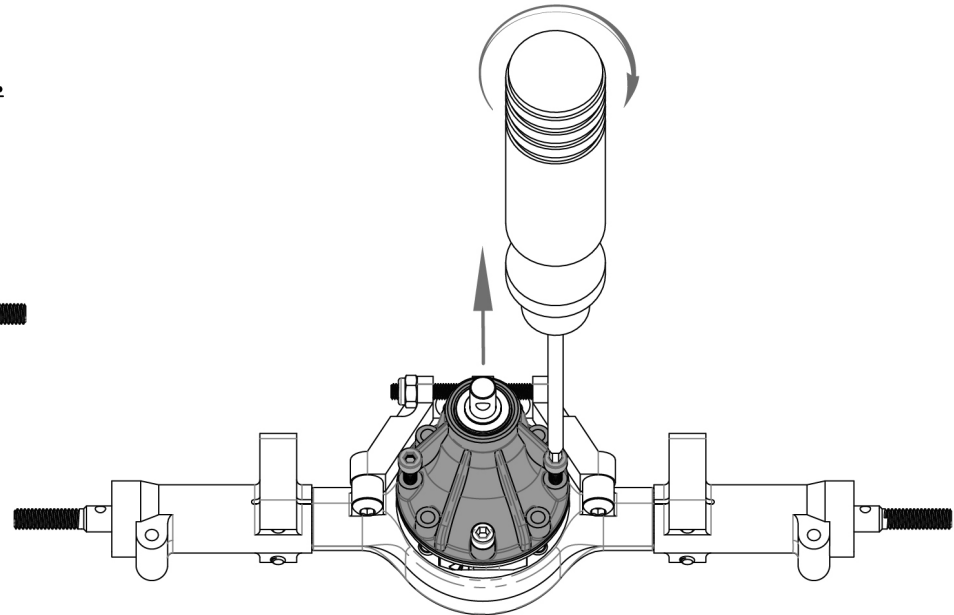
### The Third Member Release Method When Assembly Is Tight.



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

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

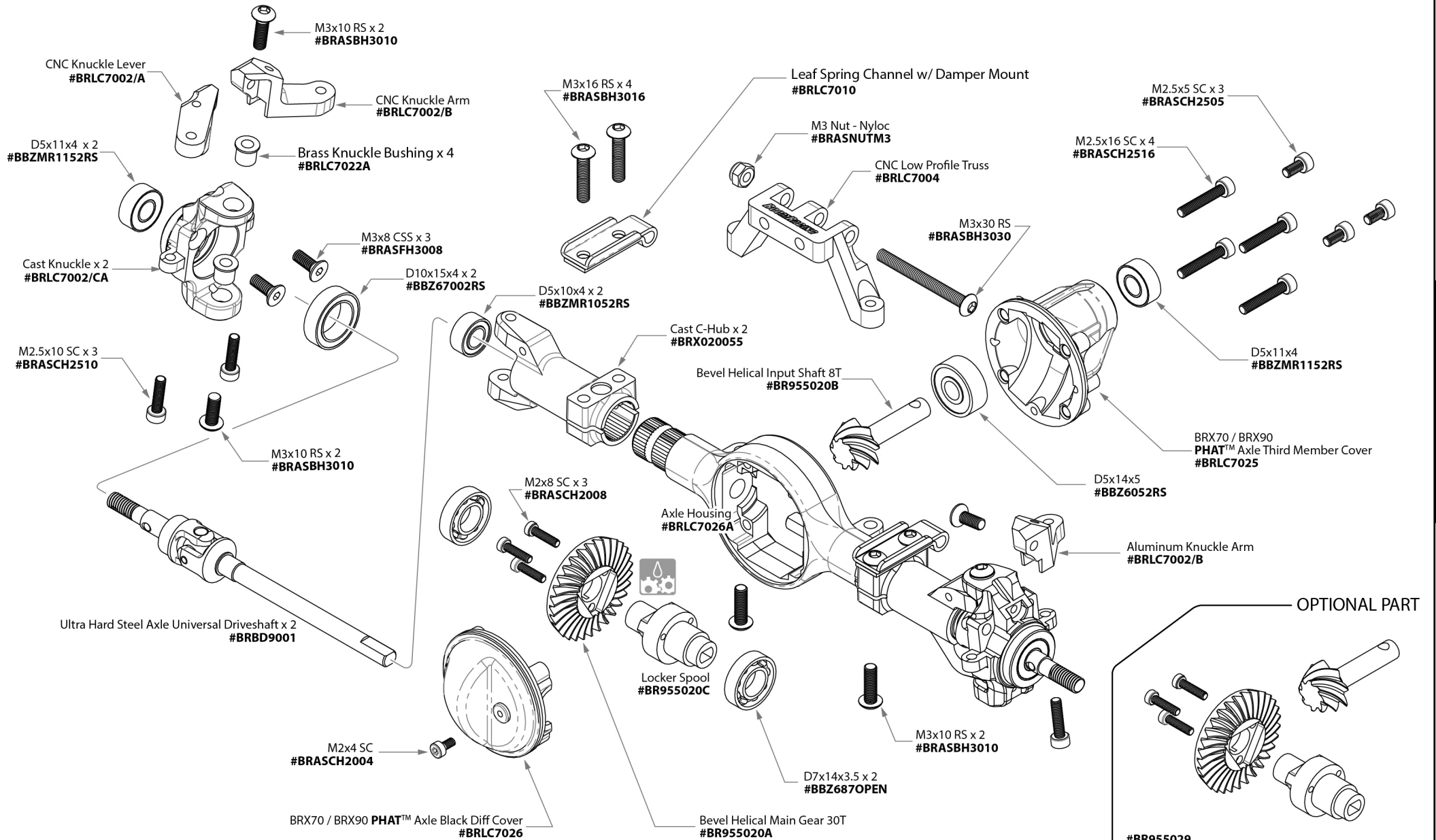
Step 3 - Lightly torque the screws until the third member is released



# PRE-ASSEMBLED FRONT AXLE



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



PRE-ASSEMBLED PARTS

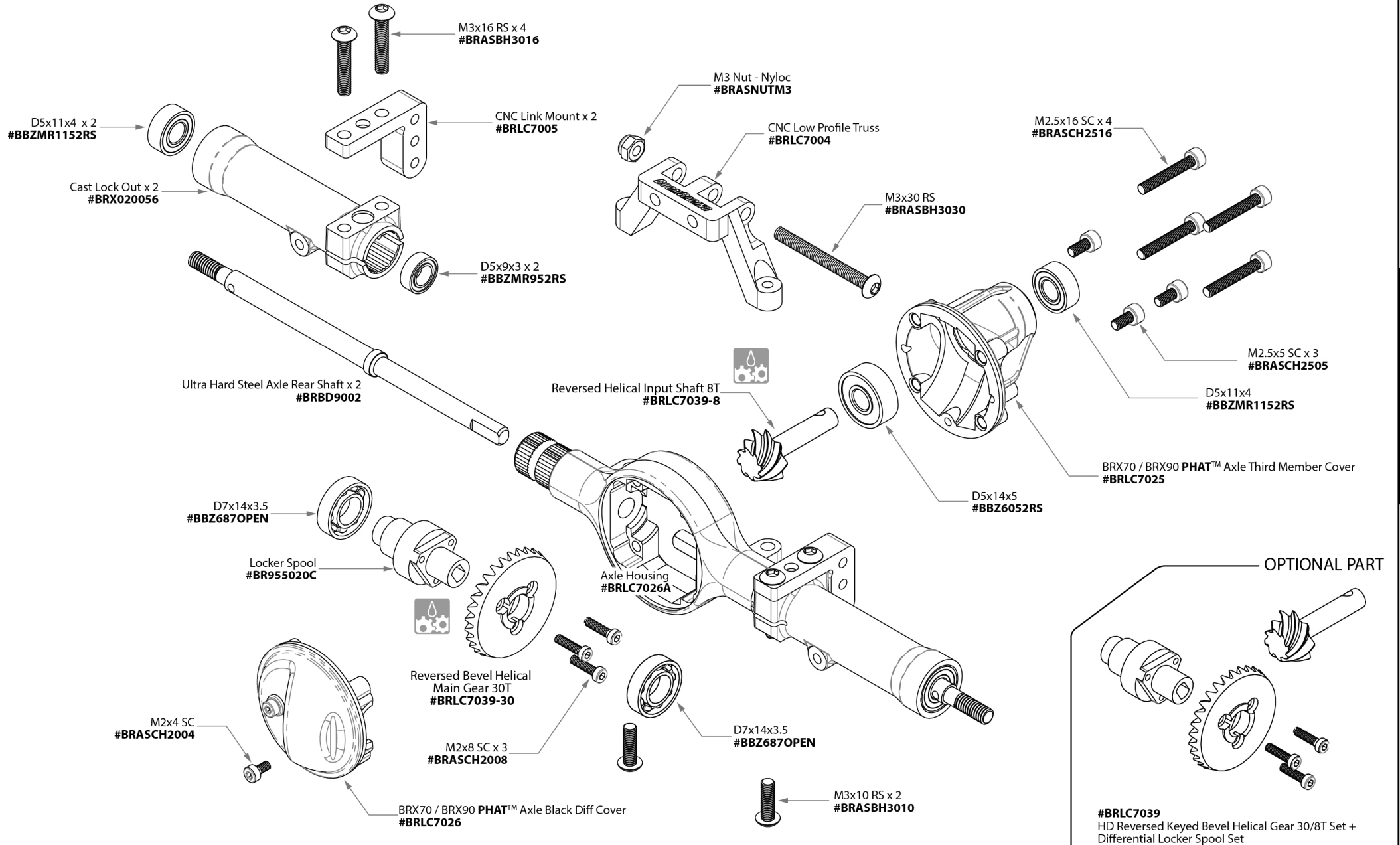
PRE-ASSEMBLED PARTS



# PRE-ASSEMBLED REAR AXLE



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



PRE-ASSEMBLED PARTS

PRE-ASSEMBLED PARTS

# PARTS LIST

Part #	Description	Part #	Description
BBZ6052RS	5x14x5mm High Performance Rubber Sealed Bearing (1)	BRASSPD5801	Spacer D5x8x0.1 (10)
BBZ67002RS	10x15x4mm High Performance Rubber Sealed Bearing (1)	BRASSPD5805	Spacer D5x8x0.5 (10)
BBZ687OPEN	7x14x3.5mm High Performance Open Ball Bearing (1)	BRASSPD5730	Spacer D5x7x3 (5)
BBZMR1052RS	5x10x4mm High Performance Rubber Sealed Bearing (1)	BRASSPRING05510	Ø5mm Spring (4)
BBZMR1152RS	5x11x4mm High Performance Rubber Sealed Bearing (1)	BRASST3003	M3x3 Set Screw (10)
BBZMR1172RS	7x11x3mm High Performance Rubber Sealed Bearing (1)	BRASST3006	M3x6 Set Screw (10)
BBZMR952RS	5x9x3mm High Performance Rubber Sealed Bearing (1)	BRASST3022/DS	M3/2.2x11 Set Screw (10)
BR113008BK	12mm Standard Aluminum Wheel Hex Adaptors w/ Lock Screws Pins & Screws (4) Black	BRASST3024/DS	M3/2.4x11 Set Screw (10)
BR955014BK	Servo Horn	BRASST4016	M4x16 Set Screw (10)
BR955020	Heavy Duty Keyed Bevel Helical Gear 30/8T + Differential Locker Spool Set	BRBD9001	Ultra Hard Steel Axle Universal Driveshaft (2)
BR955020A	Heavy Duty Bevel Helical Main Gear 30T	BRBD9002	Ultra Hard Steel Axle Rear Shaft (2)
BR955020B	Heavy Duty Bevel Helical Input Shaft 8T	BRD9022A	Stainless Steel Tie Rod
BR955020C	Diff Locker Spool for HD Helical Bevel Gear	BRGRS01	<b>BADASS™</b> Siliking Grease 5g
BR955029	Heavy Duty Keyed Bevel Helical Overdrive Gear 27/8T + Differential Locker Set	BRGRS08	<b>BADASS™</b> Black Graphite Grease 5g
BRASBH2504	M2.5x4 R5 Round Head Screw (10)	BRGRS09-5GB	<b>BADASS™</b> Shock Slime Grease 5g
BRASBH2506	M2.5x6 R5 Round Head Screw (10)	BRGRS10274-10	<b>BADASS™</b> Silicone Grease 10g
BRASBH3006	M3x6 R5 Round Head Screw (10)	BRGRS10274-20	<b>BADASS™</b> Silicone Grease 20g
BRASBH3008	M3x8 R5 Round Head Screw (10)	BRGRS1055-10	<b>BADASS™</b> Black Graphite Grease 10g
BRASBH3010	M3x10 R5 Round Head Screw (10)	BRGRS1055-20	<b>BADASS™</b> Black Graphite Grease 20g
BRASBH3012	M3x12 R5 Round Head Screw (10)	BRGRS242	242 Blue Thread Lock 10g
BRASBH3014	M3x14 R5 Round Head Screw (10)	BRLC7002/A	Aluminum Knuckle Lever (High Clearance) for BRX70 / BRX90 Knuckle (1)
BRASBH3016	M3x16 R5 Round Head Screw (10)	BRLC7002/B	Aluminum Knuckle Arm (Low Profile) for BRX70 / BRX90 / AR44 Knuckle (2)
BRASBH3018	M3x18 R5 Round Head Screw (10)	BRLC7004	Aluminum Low Profile Truss
BRASBH3020	M3x20 R5 Round Head Screw (10)	BRLC7005	Aluminum Link Mount
BRASBH3030	M3x30 R5 Round Head Screw (10)	BRLC7010	Steel Leaf Spring Channel w/ Shock Mount (2)
BRASCH2004	M2x4 SC Shocket Cap Screw (10)	BRLC7019	Side Gearbox Mount (Left & Right)
BRASCH2008	M2x8 SC Shocket Cap Screw (10)	BRLC7022A	Brass Bushing for BRX70 / BRX90 Axle Knuckle (4)
BRASCH2506	M2.5x6 SC Shocket Cap Screw (10)	BRLC7025	BRX70 / BRX90 <b>PHAT™</b> Axle Third Member Cover
BRASCH2508	M2.5x8 SC Shocket Cap Screw (10)	BRLC7026	BRX70 / BRX90 <b>PHAT™</b> Axle Black Diff Cover
BRASCH2510	M2.5x10 SC Shocket Cap Screw (10)	BRLC7026A	BRX70 / BRX90 <b>PHAT™</b> Axle Housing
BRASCH3008	M3x8 SC Shocket Cap Screw (10)	BRLC7027	Aluminum Gearbox Adapter w/ Motor Mount
BRASEC30	E-Clip 3mm (10)	BRLC7029-12T	Heavy Duty 12T Spur Gear
BRASFH2005	M2x5 CSS Counter Sunk Screw (10)	BRLC7029-15T	Heavy Duty 15T Spur Gear
BRASFH2508	M2.5x8 CSS Counter Sunk Screw (10)	BRLC7029-20T	Heavy Duty 20T Spur Gear
BRASFH3006	M3x6 CSS Counter Sunk Screw (10)	BRLC7029-24T	Heavy Duty 24T Spur Gear
BRASFH3008	M3x8 CSS Counter Sunk Screw (10)	BRLC7029-32T	Heavy Duty 32T Spur Gear
BRASFH3010	M3x10 CSS Counter Sunk Screw (10)	BRLC7030	Spur Gear Mount
BRASFH3018	M3x18 CSS Counter Sunk Screw (10)	BRLC7031	Internal Spur Gear 28T
BRASHS3005	M3x5 Hex Cap Screw (2)	BRLC7032	Steel Motor Spacer
BRASNUTM3	Lock Nut M3 Nyloc (5)	BRLC7033	BRX Universal Receiver Box Set w/ Silicone Seals
BRASNUTM4	Lock Nut M4 Nyloc (5)	BRLC7033A	Silicone Seal & Port for BRX Receive Box
BRASPIN210	D2x10 Pin (10)	BRLC7039	30/8T Reverse HD Steel Triangular Keyed Bevel Helical Cut Diff Gear w/ Spool Set for BRX70 / BRX90 Axle
BRASSPD427/N	D4x7x2 Nylon Spacer (5)	BRLC7040	M3x6x5 Tapper Spacer (4)

# PARTS LIST

Part #	Description	Part #	Description
BRLC7041	M3x6x3 Tapper Spacer (4)	BRX020055	Cast C-Hub (2)
BRLC7044	Ultra Hard Steel Gearbox Shaft Set (3pcs)	BRX020056	Cast Lock Out (2)
BRLC7044A	Ultra Hard Steel Gear Catcher	BRX020007	Steering Servo Mount (2)
BRLC7044B	Input shaft	BRX020009	Mini Servo Mount
BRLC7044C	Output Shaft	BRX020011	Chassis Rail (Left & Right)
BRLC7044E	2-Speed Gear Unit	BRX020012	Rear Crossmember
BRLC7045A	Brass Shifter Cap and Bushing	BRX020014	Mid Crossmember
BRLC7045B	Ultra Hard Steel Shifter	BRX020015F	Front Bumper
BRLC7045C	Stainless Steel Shift Rod	BRX020015R	Rear Bumper
BRLC7046	Heavy Duty Steel Cut Transfer Case Gears and Steel Shafts Set	BRX020016	Front Crossmember
BRLC7046-A	Input Shaft w/ 20T Spur Gear	BRX020017	Rear Gearbox Mount
BRLC7046-B	29T Spur Gear (2)	BRX020018F	Front shock Mount (Left & Right)
BRLC7046-C	Two Ends Output Shaft	BRX020018R	Rear Shock Mount (Left & Right)
BRLC7046-D	One End Output Shaft	BRX020019	Rear Bumper Mount (Left & Right)
BRLC7049	Mini Servo Horn	BRX020020LK	Center Link Mount
BRLC7050	Fine Tunable Link	BRX020020A	Center Stainless Steel Skid Plate
BRLC7060	2-Speed Gear Circle Clip (5)	BRX020021	Battery Tray
BRLC7095	Extension Cable (2)	BRX020022LK	BRX90 Complete Front <b>PHAT</b> ™ Axle LINK Ver.
BRPG3212-3	32P 12T / 3.175mm Steel Pinion Gear	BRX020023LK	BRX90 Complete Rear <b>PHAT</b> ™ Axle LINK Ver.
BRQ90351	D2 Ball & Rod End	BRX020024	Axle Panhard Mount
BRSH0090-SP	<b>KUDU</b> ™ 90mm Coilover Scale Shock Absorber w/ Medium Springs (2)	BRX020025	Chassis Panhard Mount
BRSH90Spring-H	65mm Hard ( <i>Yellow</i> ) Coil (2)	BRX020026	Panhard Bar
BRSH90Spring-M	65mm Medium ( <i>Green</i> ) Coil (2)	BRX020028	Steel Connection Drive Shaft (33mm)
BRSH90Spring-S	65mm Soft ( <i>Blue</i> ) Coil (2)	BRX020029	<b>BCF2</b> ™ Gearbox Housing (A & B)
BRSH90Spring-SH	65mm Super Hard ( <i>Red</i> ) Coil (2)	BRX020029A	Gear Box Bearing Holder
BRSH90Spring-SS	65mm Super Soft ( <i>White</i> ) Coil (2)	BRX020032	Bumper Light Retainer (2)
BRSHJR	Pivot Ball Retainer (4)	BRX020034	Body Latch Pin (4)
BRSORD6-15	D6x1.5 O-Ring (10)	BRX020035	Slider Spacer (4)
BRT10037	Cable Wiring Retainer	BRX020037	Complete Aluminum Chassis Links M4 (7)
BRT10028	Tool Kit	BRX020039	Body Post (4)
BRT10053	Pivot Ball Tool	BRX020043	<b>KUDU</b> ™ HD CVD Center Drive Shaft (2)
BRTR19397	1.9" <b>MAXGRAPPLER</b> ™ Scale RC Tire <b>GEKKO</b> Black 3.82"x1.26" (97x32mm) w/ Single Stage Open Cell Foam (2)	BRX020047	<b>SRD</b> ™ Transfer Case Housing
BRTR39398	1.9" Single Stage Open Cell Foam Insert 4.21"x1.38" (107x35mm) for 1.9" <b>MAXGRAPPLER</b> ™ Scale RC Tire 3.82"x1.26" (97x32mm) (2)	BRX020051	Shift Rod
BRW750300	<b>BADASS</b> ™ Stainless Steel Pivot Ball (10)	BRX020061	Quick Release Body Latch (2)
BRW750306A	<b>KUDU</b> ™ HD Rust-Resistant Rod Ends M4 Nylon (Straight) 18.5mm w/ SST Pivot Ball (5.8x3x7.4mm) (10)	BRX020062	Quick Release Body Mount (Left & Right)
BRW750307D	<b>KUDU</b> ™ HD Rust-Resistant Rod Ends M4 Nylon (Upwards) 20.00mm w/ SST Pivot Ball (5.8x3x7.4mm) (10)	BRX020063	Quick Release Body Mount Extension (Left & Right)
BRW750309B	<b>KUDU</b> ™ HD Rust-Resistant Rod Ends M4 Nylon (Straight) 21.8mm w/ SST Pivot Ball (5.8x3x7.4mm) (10)	BRX020079	ESC Mounting Plate
BRW750310	Shock End Pivote Ball (4)	BRXT504V2	XT504 5-Lug Aluminum 12mm Wheel Hub Adapters 4MM Offse V2 (2)
BRW750310E	<b>KUDU</b> ™ HD Rust-Resistant Rod Ends M4 Nylon (Upwards) 23.7mm w/ SST Pivot Ball (5.8x3x7.4mm) (10)	JX/PDI-HV1151MG	JX Waterproof High Voltage Mini Servo
BRW780919GM	1.9" 16-Hole Classic Steelie Reversible Beadlock Wheel (Gun Metal) w/ XT504 Hub (2)		
BRW780923	S100 Scale Center Wheel Hub Cap (2)		

## PARTS LIST (Optional Accessories)

Part #	Description	Bearing Set	
<b>Overdrive Gears</b>			
BR955029	Overdrive HD Steel Keyed Bevel Helical Gear 27/8T & Diff Locker Spool Set	BRX01BBZ	High Performance Full Ball Bearings Set Rubber Sealed (32 Total)
BR955029A	Overdrive HD Bevel Helical Main Gear 27T for BR955029	BRX01FABBZ	High Performance Ball Bearings Set Rubber Sealed For Front Axle (10 Total)
BR955029B	Overdrive HD Bevel Helical Input Shaft 8T for BR955029	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)
		BRX01TCBBZ	High Performance Ball Bearings Set Rubber Sealed For Transfer Case (6 Total)
<b>Pinion Gear</b>			
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)		
BRPG3215-3	32P 15T / 3.175mm Steel Pinion Gear (1)		
BRPG3216-3	32P 16T / 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)		
<b>Shock Oil</b>			
BRSHK010	<b>BADASS™</b> Silicone Shock Oil 10wt 60ml		
BRSHK015	<b>BADASS™</b> Silicone Shock Oil 15wt 60ml		
BRSHK020	<b>BADASS™</b> Silicone Shock Oil 20wt 60ml		
BRSHK025	<b>BADASS™</b> Silicone Shock Oil 25wt 60ml		
BRSHK030	<b>BADASS™</b> Silicone Shock Oil 30wt 60ml		
BRSHK035	<b>BADASS™</b> Silicone Shock Oil 35wt 60ml		
BRSHK040	<b>BADASS™</b> Silicone Shock Oil 40wt 60ml		
BRSHK045	<b>BADASS™</b> Silicone Shock Oil 45wt 60ml		
BRSHK050	<b>BADASS™</b> Silicone Shock Oil 50wt 60ml		
BRSHK055	<b>BADASS™</b> Silicone Shock Oil 55wt 60ml		
BRSHK060	<b>BADASS™</b> Silicone Shock Oil 60wt 60ml		
BRSHK065	<b>BADASS™</b> Silicone Shock Oil 65wt 60ml		
BRSHK070	<b>BADASS™</b> Silicone Shock Oil 70wt 60ml		
BRSHK075	<b>BADASS™</b> Silicone Shock Oil 75wt 60ml		
BRSHK080	<b>BADASS™</b> Silicone Shock Oil 80wt 60ml		

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

[WWW.BOOMRACINGRC.COM](http://WWW.BOOMRACINGRC.COM)

# BRX02

1.9" MILEAGE CLASSIC SCALE CRAWLER TIRE GEKKO COMPOUND  
3.82"x1.0" (97x26mm)

#BRTR19006



ROCK MONSTER RED SILICONE TIRE INSERT  
3.5"x0.84" (90x21mm)  
FOR 1.9" MILEAGE CLASSIC / SP ROAD TRACKER

#BRRM19006



1.9" TPD ALL-TERRAIN CRAWLER TIRE GEKKO COMPOUND  
3.82"x1.3" (97x33mm)

#BRTR19008



MUSCLE WINCH™  
HIGH TORQUE 36KG  
WATERPROOF SERVO WINCH  
W/ FREE SPOOL UNIT  
#BR-36SW



DIG  
#BRD90101-DG

OVERDRIVE  
#BRLC70201-OD



TRANSFER CASE KITS

SWD (SELECTIVE RWD/4WD)  
#BRD90301-SWD



MINI SERVO MOUNT KIT

#BRD90110064KIT  
(with Mini Servo)

#BRD90110065  
(without Mini Servo)



WINCH MOUNT & LEAD KIT  
FOR MUSCLE WINCH™  
#BRD90110036



OPTIONAL PARTS



# WATERPROOF ALUMINUM LED LIGHT BAR SET (3S CAPABLE)



#BRTL145 (145mm)

#BRTL50 (50mm)

#BRTL90 (90mm)

# HEAVY DUTY KEYED BEVEL HELICAL OVERDRIVE GEAR + DIFFERENTIAL LOCKER SET FOR BRX70/BRX90/AR44/AR45 AXLES



24/8T  
#BR955040

27/8T  
#BR955029

# BRASS FRONT KNUCKLE BASE WEIGHTS FOR BRX70/BRX90/AR44 PHAT AXLE



BRASS FRONT KNUCKLE BASE WEIGHTS  
#BRLC7089

# BRASS REAR KNUCKLE BASE WEIGHTS FOR BRX90 PHAT AXLE #BRD9024



BRASS SMALL WEIGHT BLOCKS 4G  
#BRLC7092

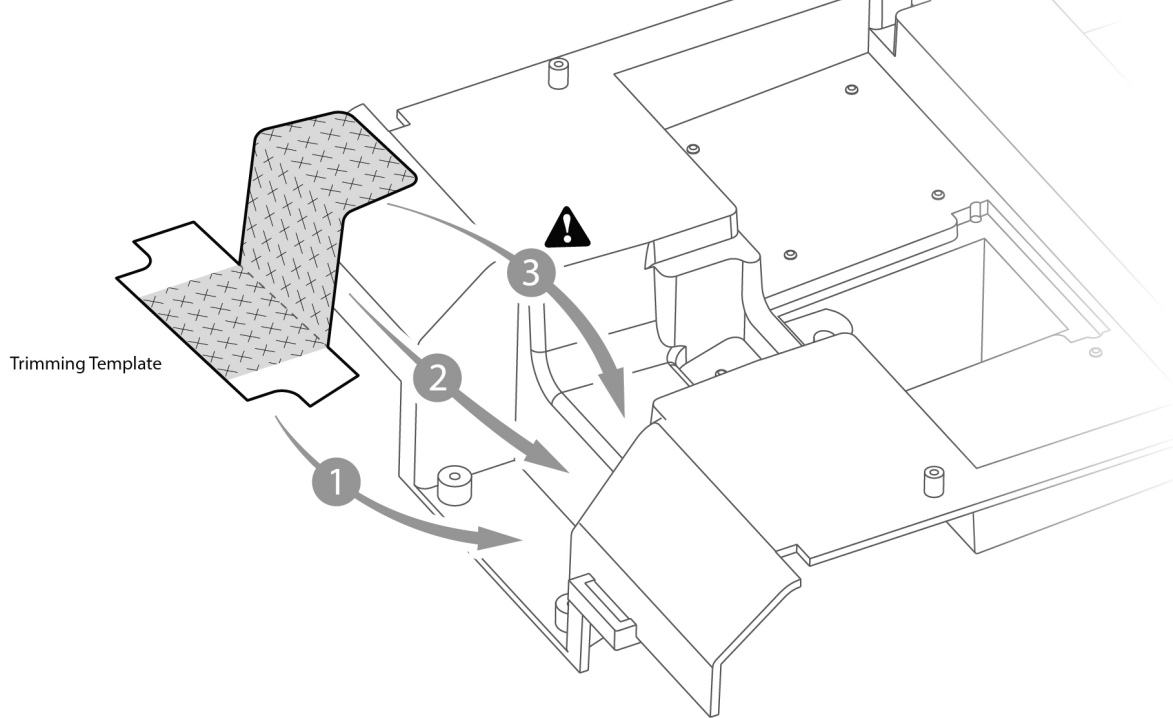
BRASS LARGE WEIGHT BLOCKS 23G  
#BRLC7091

# OPTIONAL PARTS

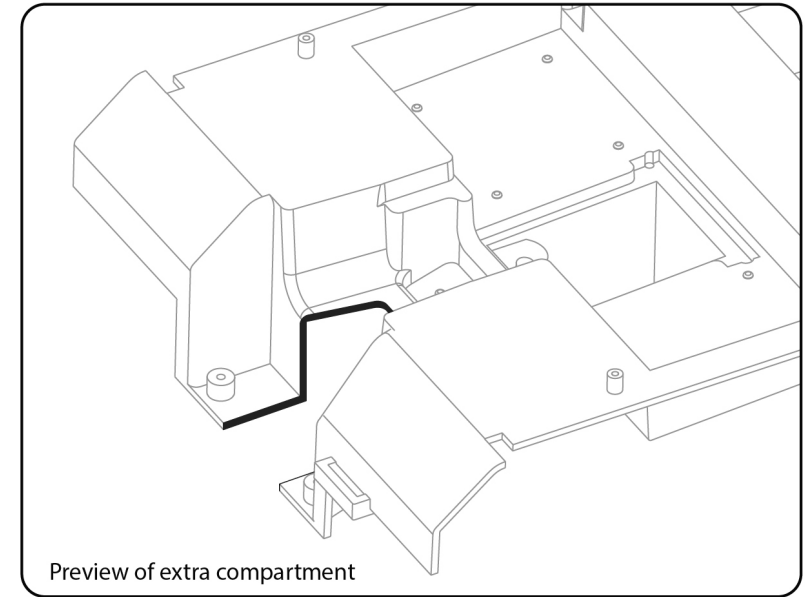
# GEARBOX COMPARTMENT

There are only two D110 hard bodies that are compatible with the BRX02 D110 chassis – Team Raffee Co. #TRC/302214 and #TRC/302215. The modifications below are for those who might already have a Team Raffee Co. D110 body in the past. The bodies available for purchase after the release of the BRX02 are all updated and do not require the following modifications.

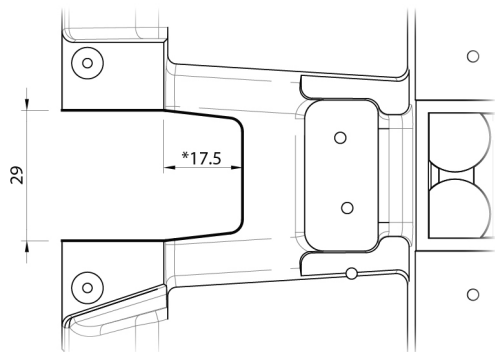
Stick the template down onto the bottom of the interior floor in the steps as shown starting at the front. Then, cut away the grey marked area.



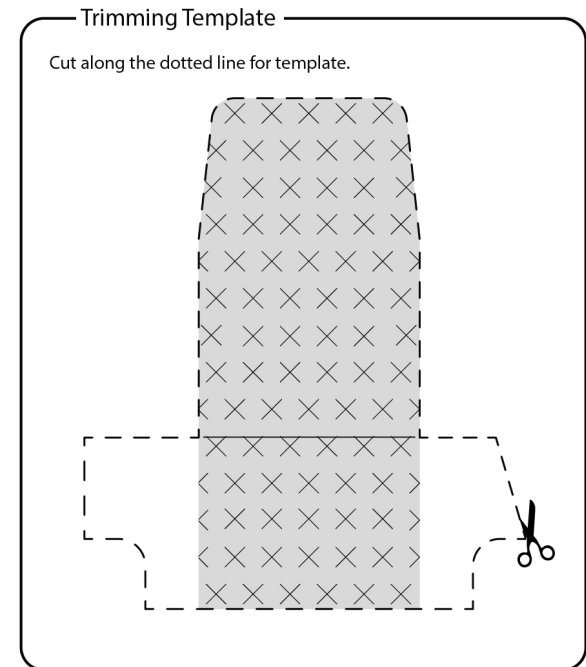
Trimming Template



Preview of extra compartment



\*Make sure not to remove more than 17.5mm deep on the face (3) of the Trimming Template. Otherwise, a gap may appear from the interior.



Trimming Template

Cut along the dotted line for template.

## NOTES



**Kristian Dubiel (Snakepit RC)**

*The BRX02 isn't just a BRX01 with a longer wheelbase. Rather, it is the further development of what I consider to be the best scale chassis on the market. The new KUDU™ shocks, KUDU™ drive shafts, the carbon chassis rails and the quick-release body mount take the BRX02 to an even higher level. The BRX02 is a "must have" for every Defender fan out there and the best base for your next Defender build. You won't find a chassis out-of-the-box that works as well as the BRX02.*

*My first test drive was a Trophy event with many goals and difficult terrain. The BRX02 worked perfectly right from the start and had very good performance, as well as a fantastic driving image which rewarded me with a first-place finish.*

**Shawn Roche (USA)**

*I almost gave up trying to find a kit that has the correct balance of scale, quality and performance. But once I got my hands on the BRX02 I knew instantly that Boom Racing got it right, and having a tool free quick release on a hard body is amazing.*

**Andreas Briesemeister / Stefan Lindenau (Germany)**

*The BRX02 is not just a successor or a copy of the BRX01 - it's a complete new chassis. Everything fits together harmoniously, and it is fun to drive. The handling is very convincing despite the heavy Defender body. The quality of the materials used is very high standard, leaving nothing to be desired. The carbon frame visually pleases the eyes. The new dampers are eye-catching and work precisely and smoothly with the low friction sealing o-rings. The three different spring rates supplied offer adjustability for different setups. With the quick-release body mount, the change of the battery happens in a few seconds. You can easily separate the body from the chassis by compressing just two tabs. BRX02 will be more successful, and it is designed for a whole different target group.*

**Joe Conti (Malta)**

*Assembling the BRX02 is as easy and as much fun as assembling the BRX01. One can very easily see the quality of this product. The parts fit together very well and this shows the thought that went into designing it. The new features make the BRX02 that much better; the new shocks, the new drive shafts, carbon fiber chassis rails and the new body mounts. The new body mount makes installing and removing the body much easier than ever, there is nothing like it out there.*



**BOOMRACING**  <sup>®</sup>  
*Your Radio Control Car Specialist*

**BRX02**

1/10 4WD RADIO CONTROL CHASSIS KIT FOR D110

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