



BOOMRACING ===

# 



ADJUSTABLE WHEELBASE 1/10 4WD RADIO CONTROL CHASSIS KIT





Product Codes: Full Kit w/ Zil Pickup Body - BR8013 Builder's Kit - BR8014 INSTRUCTION MANUAL **VERSION 1.0** 

Photo for reference only.

# BUILT TO ADAPT, ENGINEERED TO PERFORM

#### Welcome to the Boom Racing Family!

Congratulations on your new BRX01 AWB LINK chassis! You now own a truly extraordinary platform, engineered for adaptability and high performance.

#### Your Unique Vehicle Identity

Every BRX01 AWB comes with a customized chassis plate and a pair of unique license plates. The chassis plate includes your Vehicle Identification Number (VIN #) and vehicle number, which matches the license plates. Use both numbers to register your chassis and unlock exclusive benefits.

#### **★**Why Register?

By registering, you'll get access to:

- ✓ Vehicle history and details
- √ Factory warranty and replacement parts
- ✓ Exclusive event promotions at Boom Racing events
- ✓ Mileage tracking through Scaletra app

#### - How to Register?

- 1. Visit BoomRacing.com > Vehicle Registration
- 2. Log in or create an account.
- 3. Fill out the vehicle registration form. In the chassis detail section, select the car model BRX01 AWB, and use the vehicle number and VIN number found on the chassis plate.
- 4. Submit the form. If the details are correct, your vehicle will be registered immediately.

#### 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.



#### CHASSIS PLATE





Scan to register your BRX01 AWB

#### LICENSE PLATE



FRONT AND REAR

LINK

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



A Bolt-On Kit means parts of the chassis are pre-assembled and require minor assembly for completion. The factory assembled parts offer convenience for builders eager to get started. The BRX01 AWB kit includes factory pre-built axles, transmission, transfer case and shocks. Shocks require oil to be filled (included).



#### A NOT RECOMMENDED FOR CHILDREN LINDER 14 A

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 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 BRX01 AWB 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 BRX01 AWB, 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.enjoybeingabadass.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 BRX01-AWB sensibly and with care, and it will be exciting, safe and fun for you and those around you. Failure to operate your BRX01 AWB in a safe and responsible manner may cause damage and injury and void your warranty.

Follow these outlined rules for safe radio control operation

- Read carefully and fully understand the instructions before assembly.
- This model is not intended for use by children (minors) under 14 years of age without the supervision of a responsible and knowledgeable adult who should also read the instructions.
- When assembling this kit, extra care should be taken to avoid personal injury. Keep out of reach of small children.
- · Avoid running the vehicle in crowded areas and near small children.
- BRX01 AWB can be very fast and quiet. It could cause injury to those unaware of its presence.

Inspect Your BRX01 AWB 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 BRX01 AWB 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 BRX01 AWB.
- 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 qift.

#### 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
  - Email: sales@boomracing.com
  - 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.

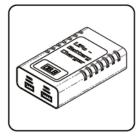
## **Equipment Required**

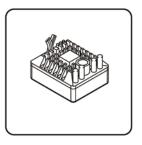


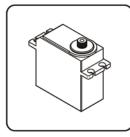
3CH Radio

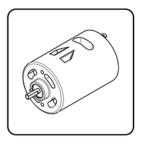


Battery









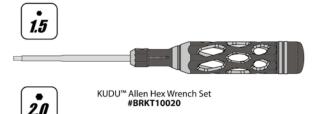
Charger

ESC

Steering Servo

540/550 Motor

#### **Tools Recommended**



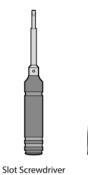














**Icon Legend** 

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

Multifunctional Soldering Jig

#BRT10058



Apply thread lock to places shown by this mark.
Apply thread lock first, then assemble.
(Do Not Use Red Loctite)



**Apply Double Side Tape** 



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



**Oil Leak Resistant** 



Silicone Grease

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





Apply shock oil to the places shown by this mark.



Pay attention to note on page.



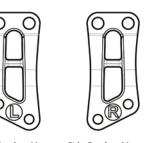
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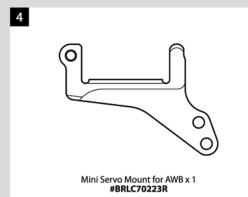
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2

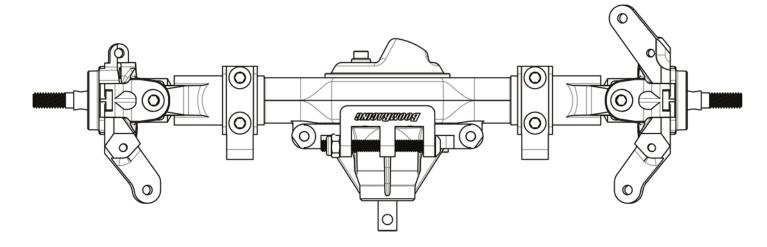
3 #BRX020110



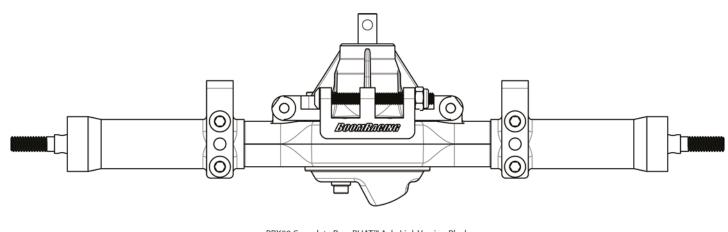
Side Gearbox Mount - Left x 1 Side Gearbox Mount - Right x 1





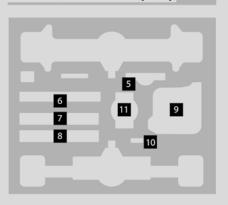


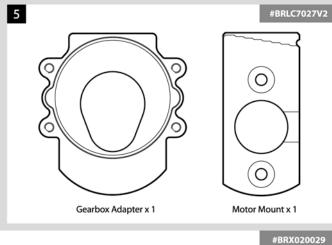
BRX80 Complete Front PHAT™ Axle Link Version Black **BRX020115LKF** 



BRX80 Complete Rear PHAT™ Axle Link Version Black **BRX020115LKR** 

## PART LOCATION MAP (TOP)

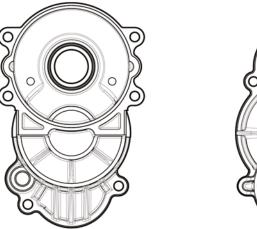




**KUDU**<sup>™</sup> 70mm Medium (*Green*) Coilover Scale Shock Absorber x 2 #BRSH0070-SP

KUDU™ 80mm Medium (*Green*) Coilover Scale Shock Absorber x 2 #BRSH0080-SP

9





BCF2™ Aluminum Gearbox Housing x 1

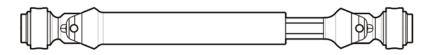
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11

7

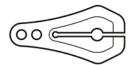


KUDU™ Heavy-Duty 80-90mm Steel CVD Center Drive Shaft x 1 #BRKD003-90

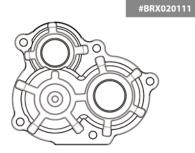


KUDU™ Heavy-Duty 84-99mm Steel CVD Center Drive Shaft x 1 #BRKD003-94

10



Low Profile Servo Horn 25T Black x 1 #BR955014BK

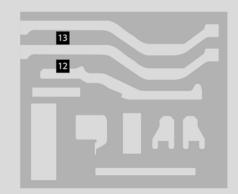


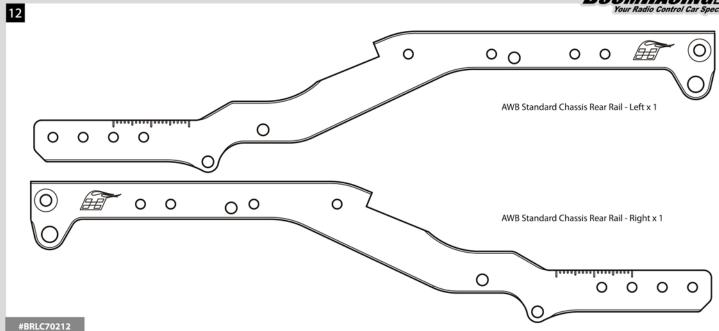
B2X™ Transfer Case Housing (OD Ready) x 1

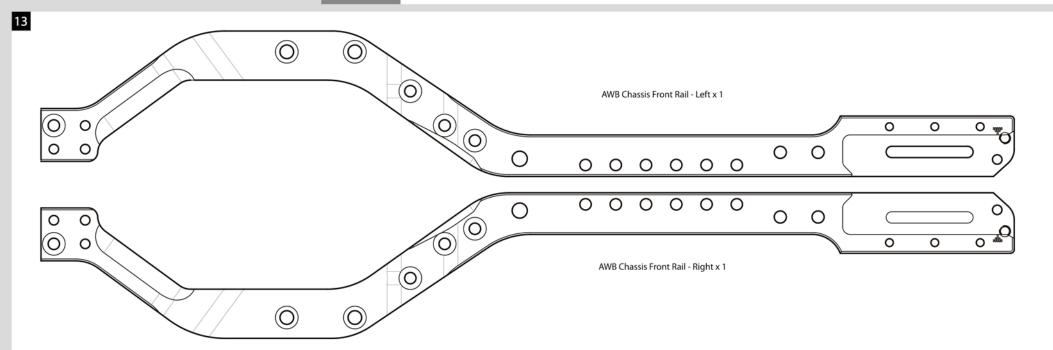
BRX01-AWB

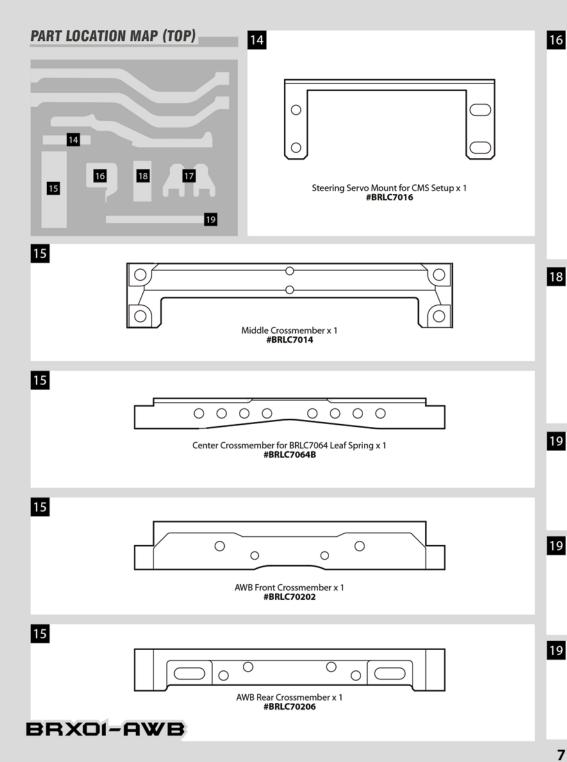


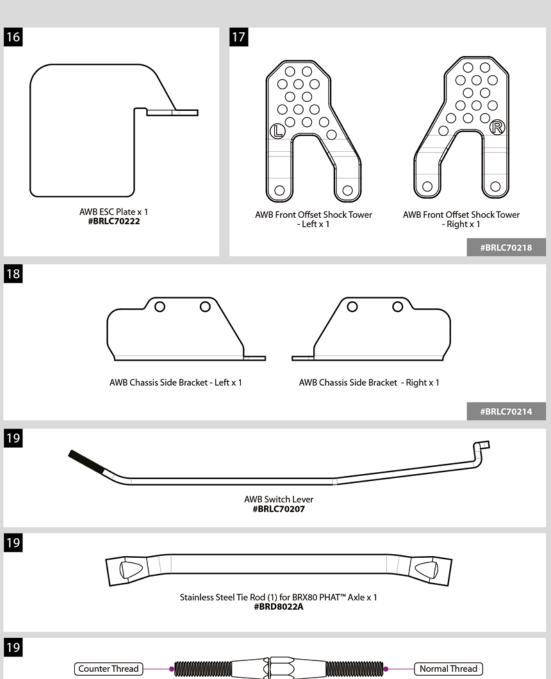
## PART LOCATION MAP (TOP)



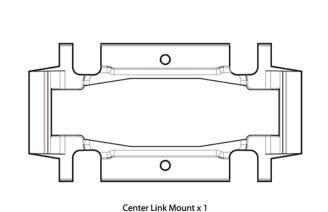




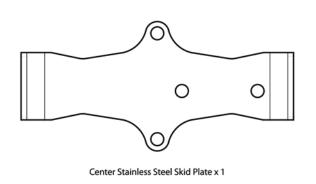


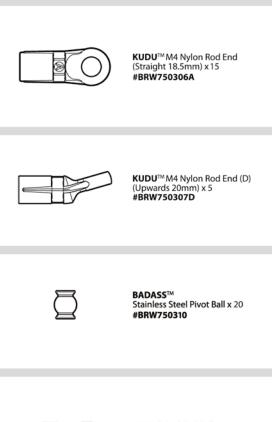


Stainless Steel Drag Link - 55mm x 1 #BRLC7050

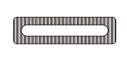


#BRX020020









AWB Slotted Plate x 2 #BRLC70215





AWB Slotted Washer x 4 #BRLC70216



Panhard Axle Mount #BRX020024



Panhard Chassis Mount #BRLC7074A











M2.5x8 CSS x 2 M3x8 CSS x 4 #BRASFH2508

M3x10 CSS x 4

#BRASFH3010 #BRASFH3008









M2.5x6 RS x 8 #BRASBH2506

M3x6 RS x 2 #BRASBH3006

M3x8 RS x 12 #BRASBH3008

M3x12 RS x 8 #BRASBH3012



M4x4SS x 4 #BRASST4004

M3x14 RS x 2

#BRASBH3014



#BRASST4016

M3x16 RS x 6

#BRASBH3016





M3x20 RS x 2 #BRASBH3020

3x6x5 Tapper Spacer x 2 #BRLC7040



B LINKS/SHOCKS

M3x8 RS x 2

#BRASBH3008

M3 Nut - Nyloc x 5 #BRASNUTM3

M3x12 RS x 6

#BRASBH3012



D4x7x1 Stainless Steel x 5 #BRASSP471



M3x18 RS x 5

#BRASBH3018

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



3x6x6 Tapper Spacer x 2 #BRLC7042

M3x26 RS x 2 #BRASBH3026

## **WHEELS**



12mm Aluminum Wheel Hex Adapter (8mm) x 4 #BRLC7056



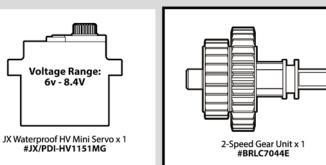
M4 Nuts - Nyloc x 4 #BRASNÚTM4

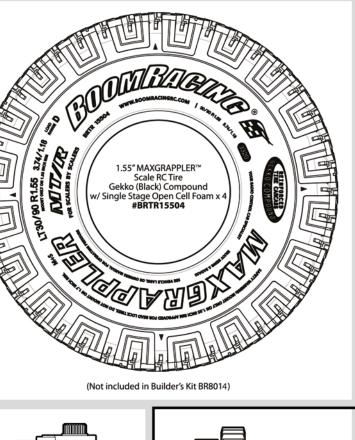


M3x3 SS x 4 #BRASST3003

D2x10 Pin x 4 #BRASPIN210











#BRASCH3008

M3x10 CSS x 1

#BRASFH3010

M3x8 RS x 4

#BRASBH3008

D4x7x0.5 Spacer x 1

#BRASSPD4705



#BRASCH2510

M3x6 CSS x 1

#BRASFH3006

M3/2.2x11 SS x 4

#BRASST3022/DS





M2.5x8 CSS x 1

#BRASFH2508

D2x8 Pin x 2

#BRASPIN208



M2x8 SC x 5 #BRASCH2008

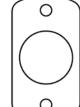
M2x5 CSS x 4

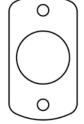
#BRASFH2005

ത

E-Clip x 2

#BRASEC30





Motor Spacer x 1

#BRLC7032



F SERVOS



E RECEIVER BOX



M2.5x6 RS x 2

#BRASBH2506



M3x8 CSS x 2

#BRASFH3008







M3x6 RS x 3 #BRASBH3006



#BRASBH3012





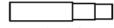




## **GEARS, SHAFTS & BEARINGS - TRANSFER CASE**

D5x8x0.5 Spacer x 9

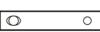
#BRASSPD5805



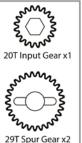
Guiding Shaft x 1 #BRLC7207-P



Rear Output Shaft x1 #BRLC7208



Front Output Shaft x1 #BRLC70201-B



#BRLC70210





D4x10x4 Ball Bearing x 1 #BBZMR1042RS



D5x10x4 Ball Bearing x 1 #BBZMR1052RS

#### **GEARS, SHAFTS & BEARINGS - GEARBOX**



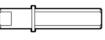






#BRLC7045C

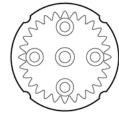




Input Shaft x 1 #BRLC7044B

Shifter x 1

#BRLC7045B



Internal Spur Gear 28T x 1 #BRLC7031

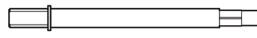


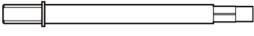


Spur Gear 15T x 1









High Efficiency Coupling Shaft x 1



Spur Gear Mount x 1 #BRLC7030

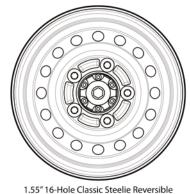
Spur Gear 20T x 2 #BRLC7029-20T





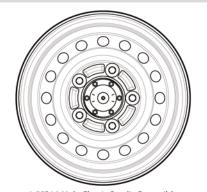
Spur Gear 12T x 1 #BRLC7029-12T

#BRLC7029-15T



1.55" 16-Hole Classic Steelie Reversible Beadlock Wheels (Front) w/ XT504 Hubs x 2 (Gun Metal) #BRW780955FGM

(Not included in Builder's Kit BR8014)



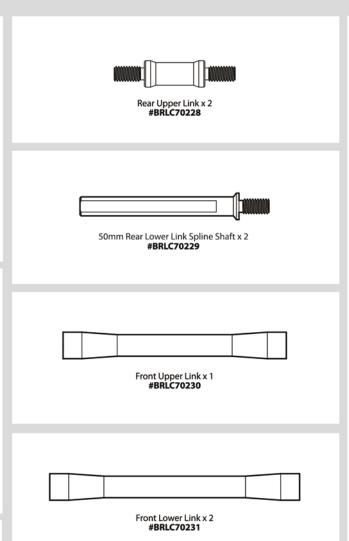
1.55" 16-Hole Classic Steelie Reversible Beadlock Wheels (Rear) w/ XT504 Hubs x 2 (Gun Metal) #BRW780955RGM

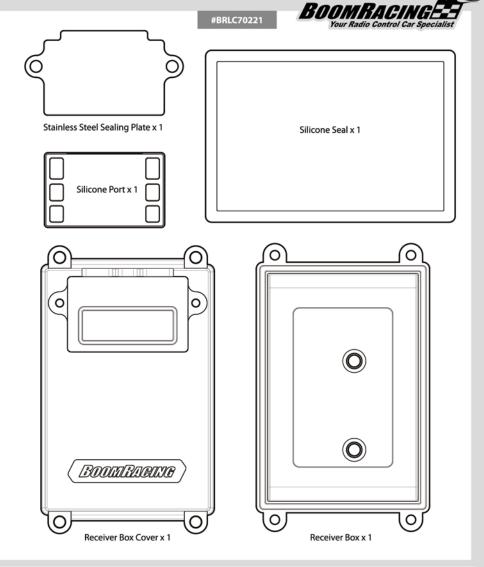
(Not included in Builder's Kit BR8014)



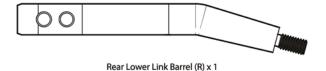


BADASS™ Stainless Steel Pivot Ball x 8 #BRW750310

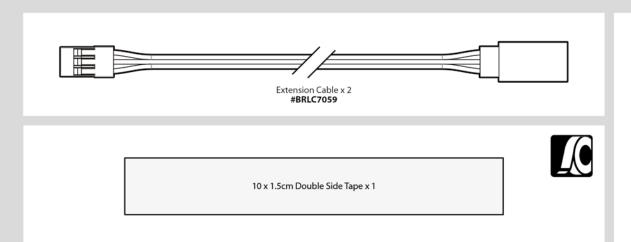


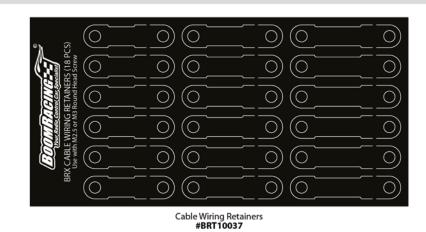


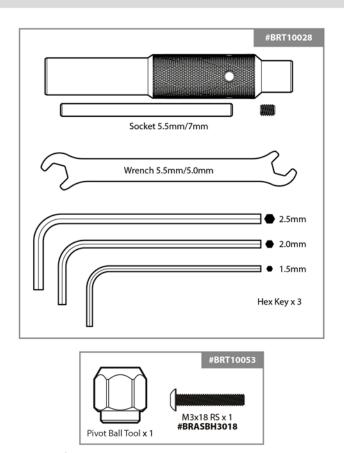
#BRLC70232



Rear Lower Link Barrel (L) x 1









Silicone Grease 10g x 1 #BRGRS10274-10

















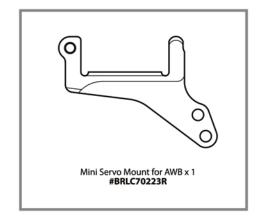
Parts Needed:

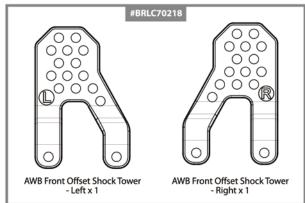


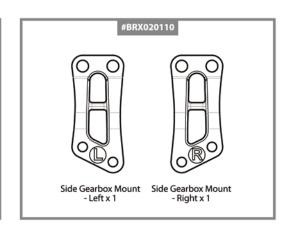
Slotted Washer x 4

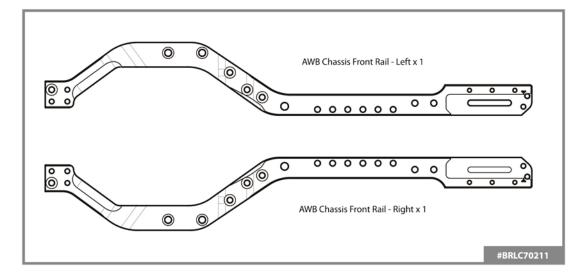


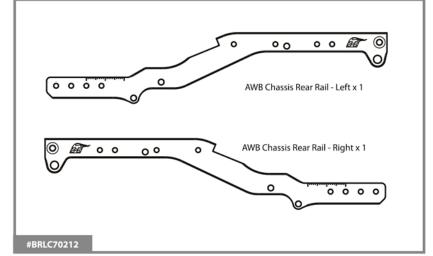
Slotted Retainer x 2





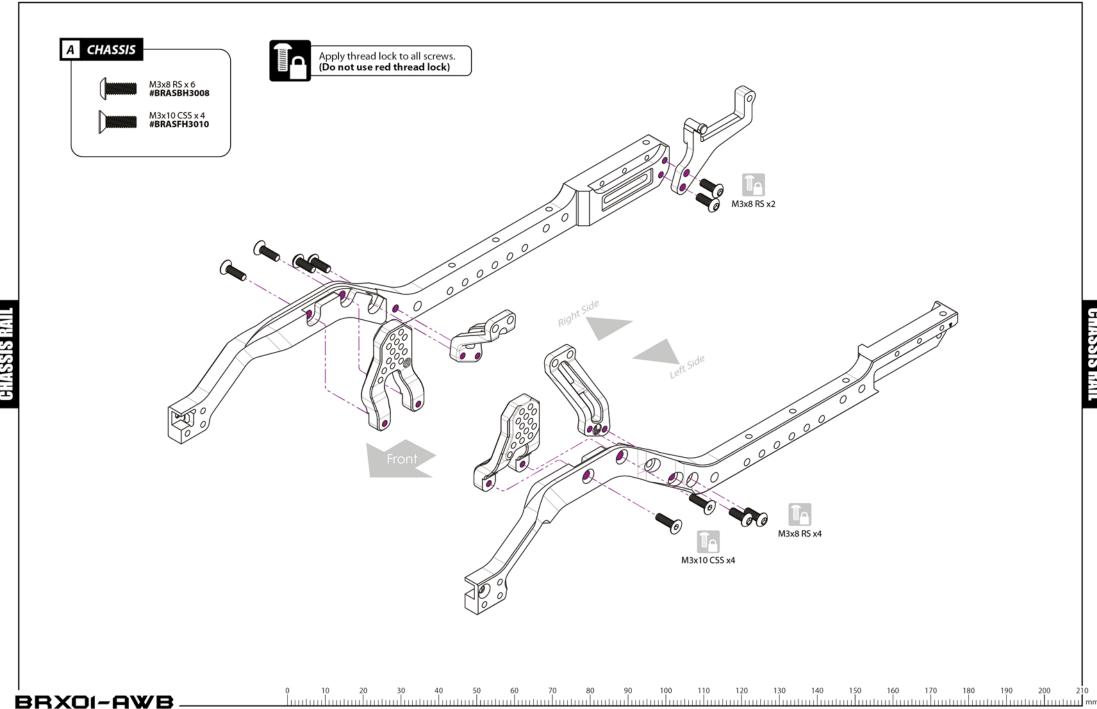




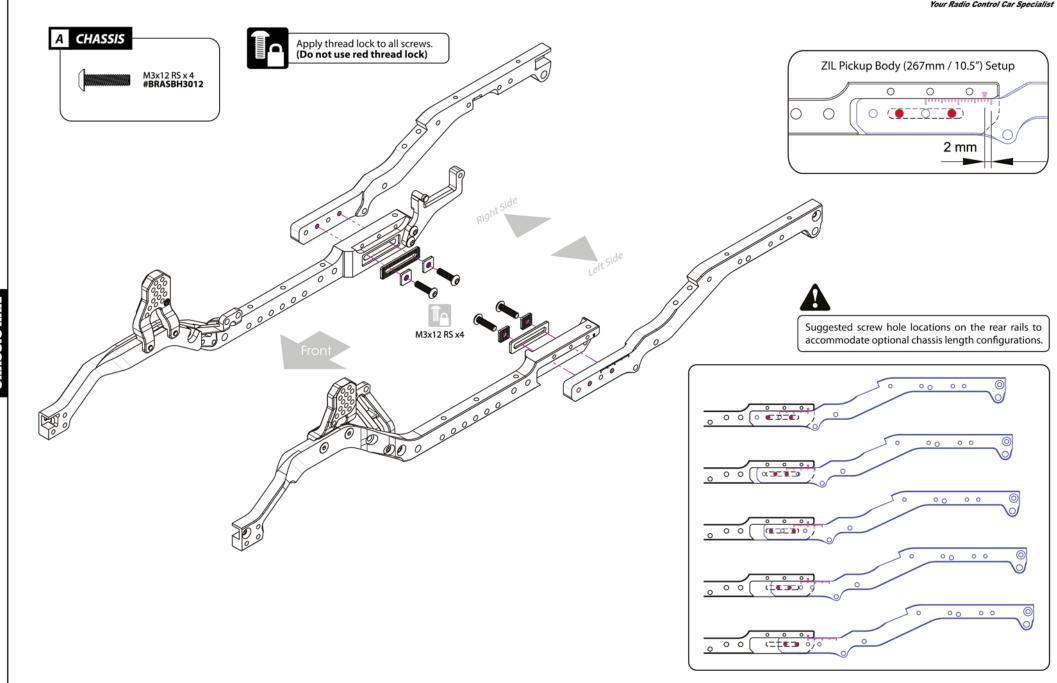


BRX01-AWB\_

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





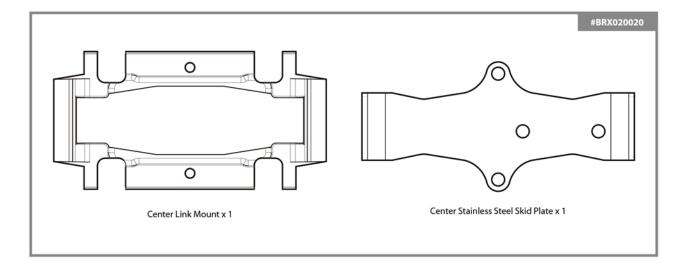


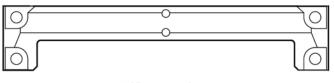
## 2 - CHASSIS

Parts Needed:



Steering Servo Mount for CMS Setup x 1 #BRLC7016

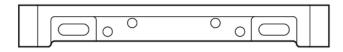




Middle Crossmember x 1 #BRLC7014



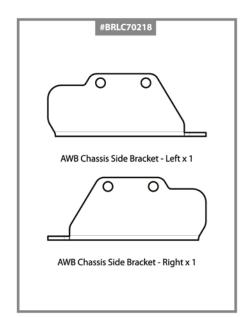
Center Crossmember for BRLC7064 Leaf Spring x 1 #BRLC7064B



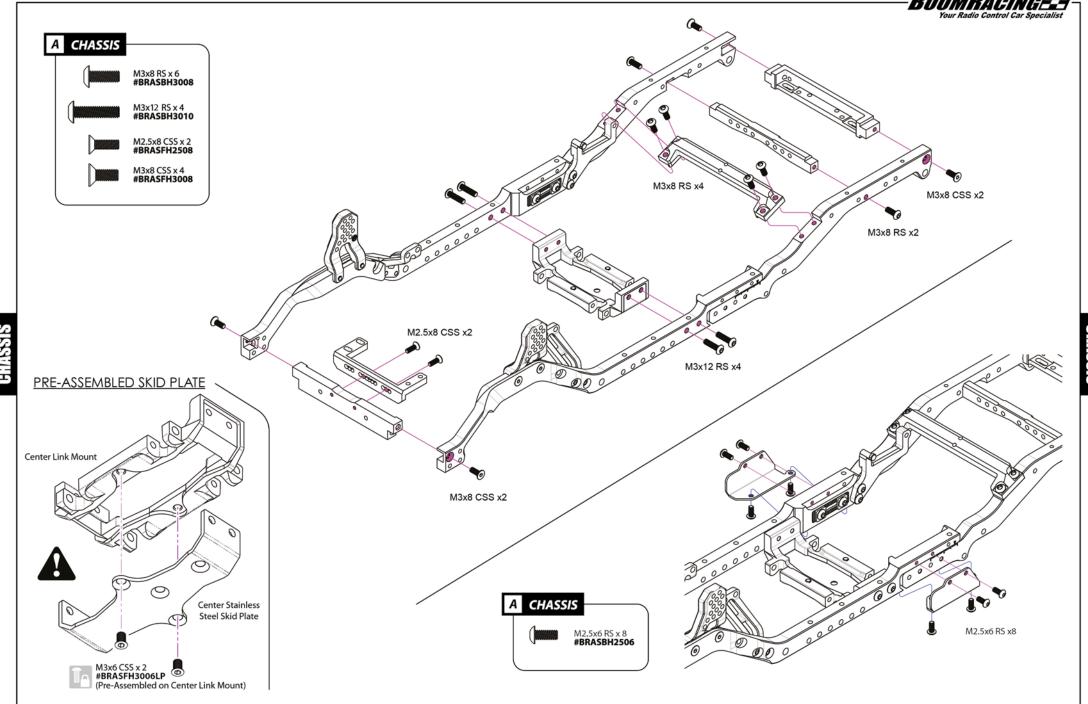
AWB Rear Crossmember x 1 #BRLC70206



AWB Front Crossmember x 1 #BRLC70202

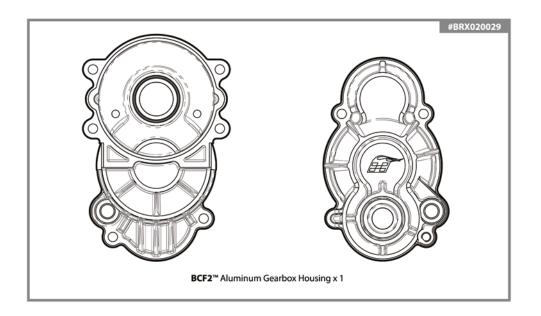


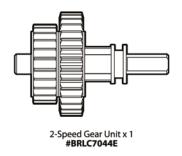
BRX01-AWB \_\_\_\_\_

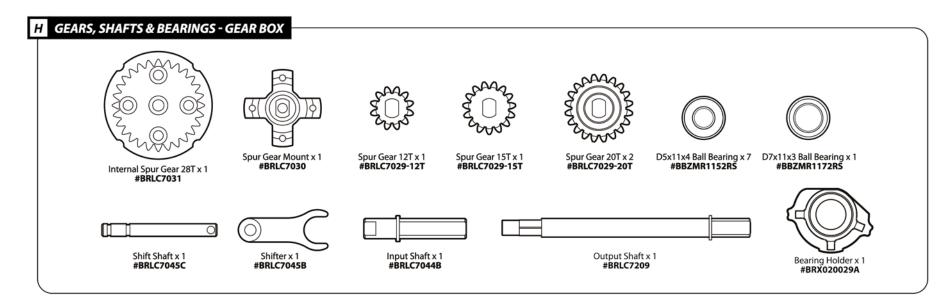


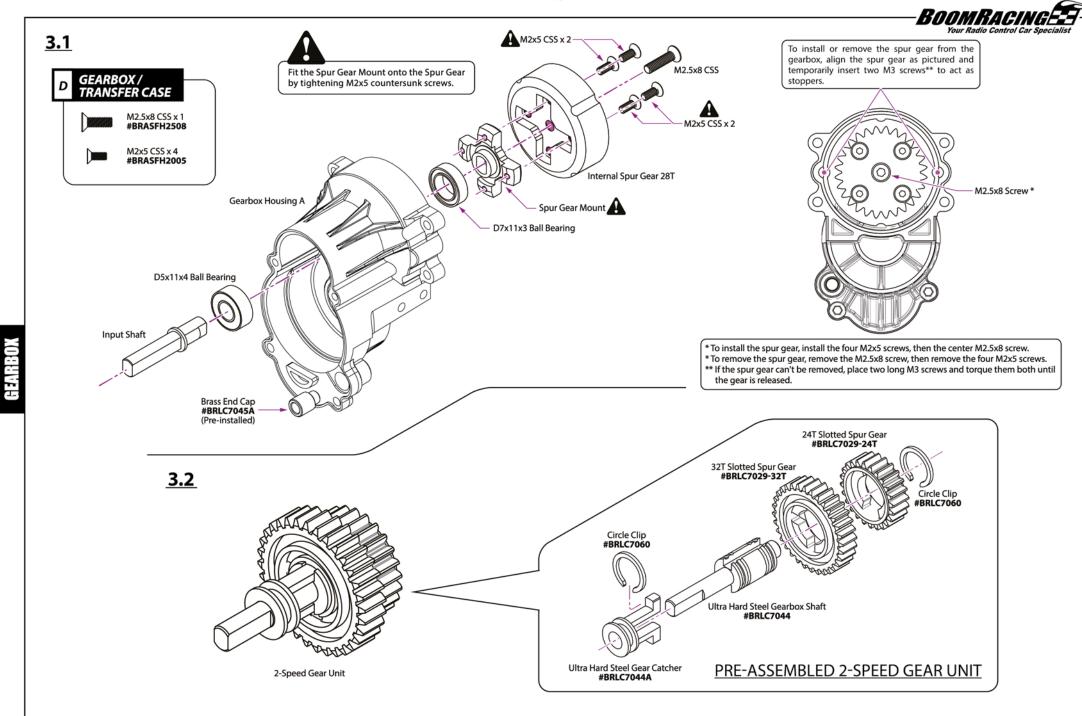
## 3 - GEARBOX I

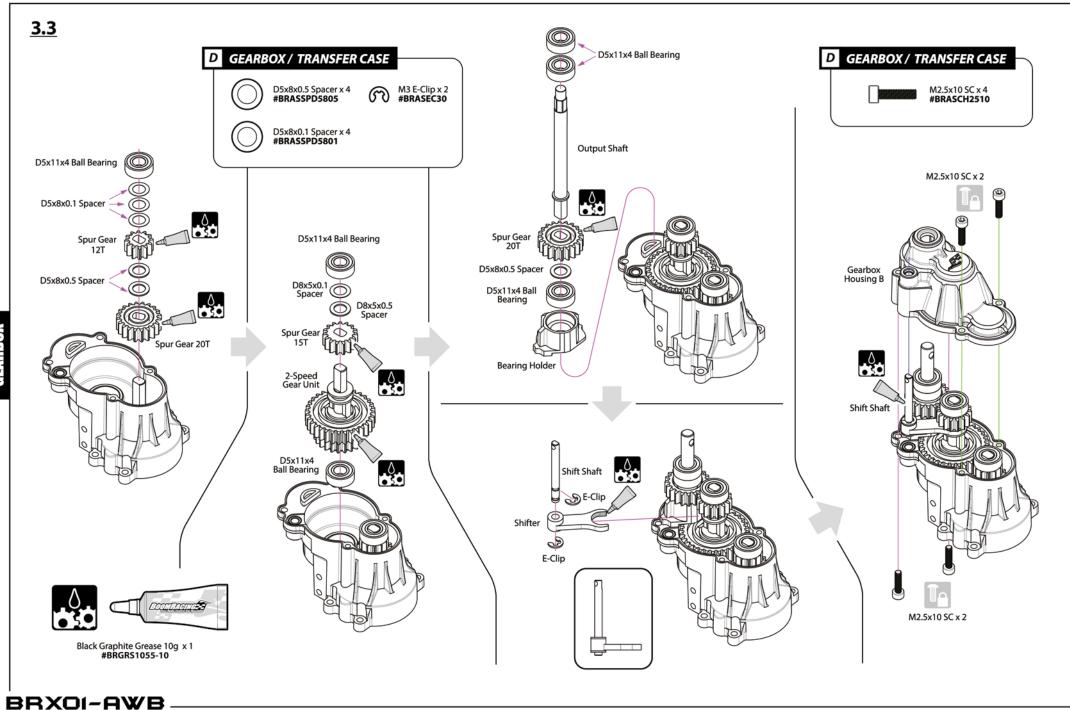
Parts Needed:

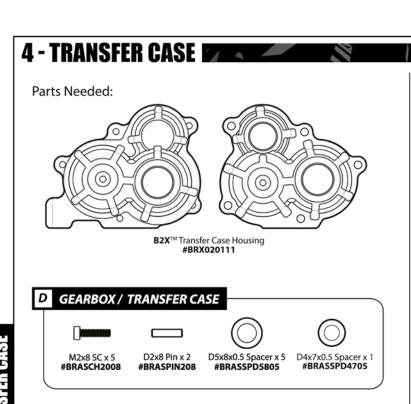


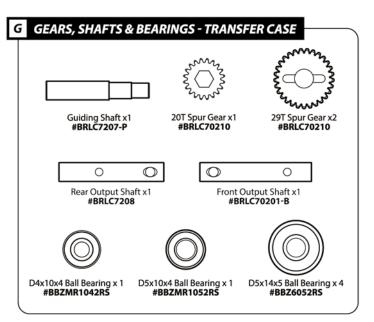


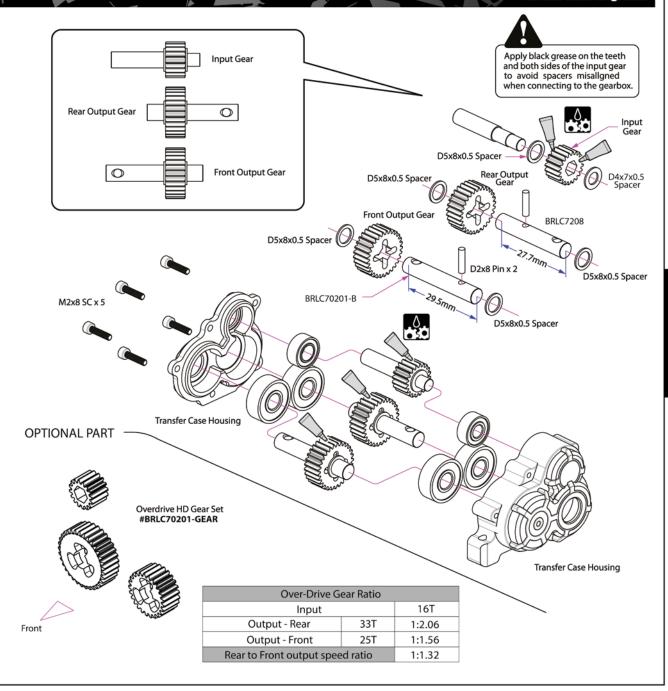






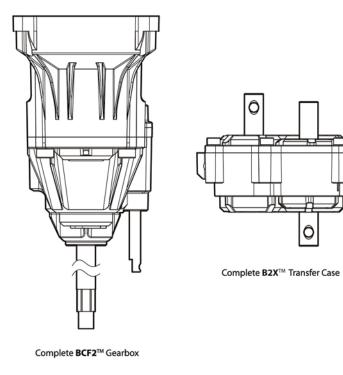


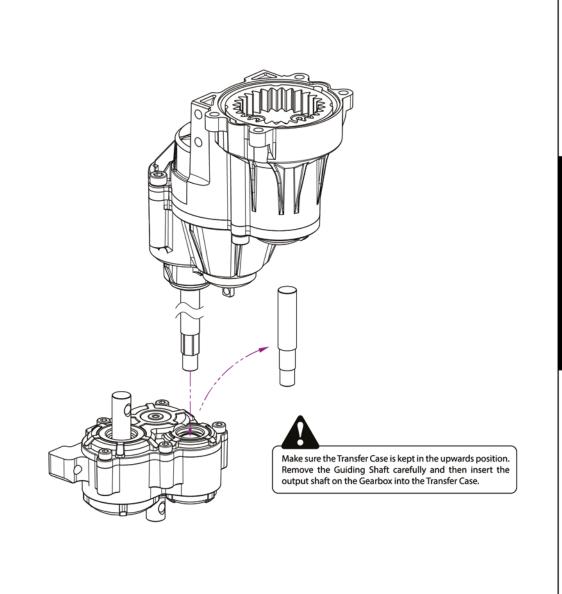


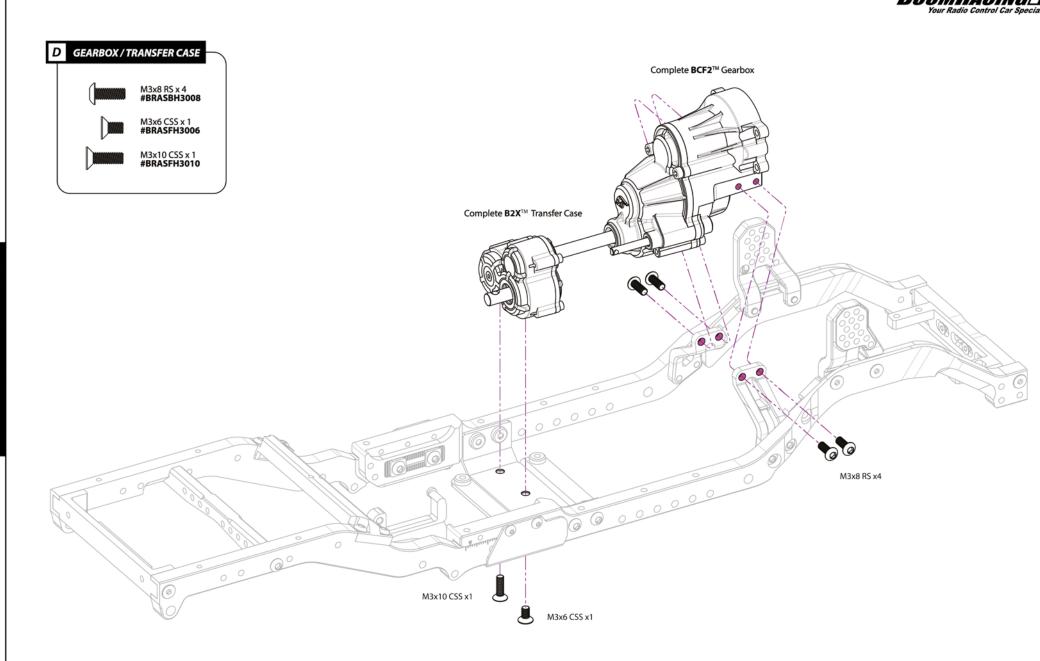


## 5 - GEARBOX & TRANSFER CASE

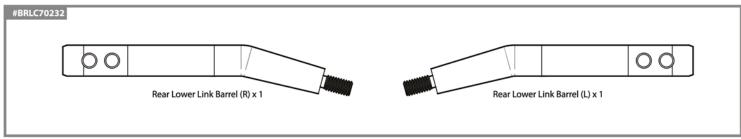
Parts Needed:

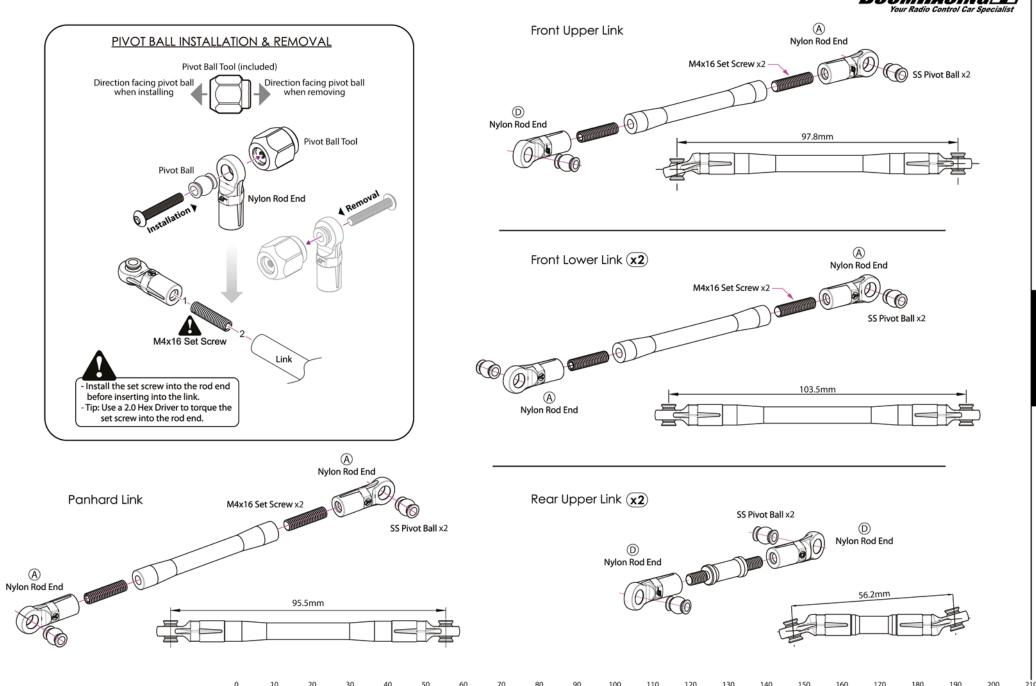


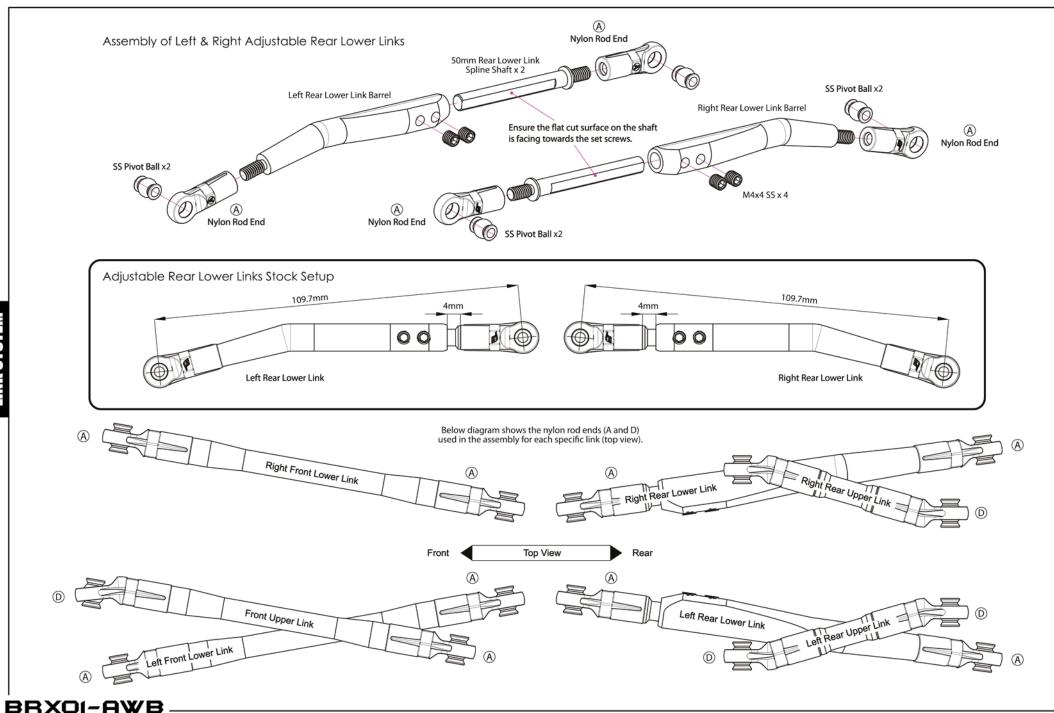




## 6 - LINK SYSTEM Parts Needed: B LINKS/SHOCKS M4x4 SS x 4 #BRASST4004 M4x16 SS x 8 #BRASST4016 Front Upper Link x 1 #BRLC70230 Rear Upper Link x 2 #BRLC70228 **BADASS™** Stainless Steel Pivot Ball x 16 #BRW750310 **KUDU**<sup>™</sup> M4 Nylon Rod End (A) (Straight 18 5mm) x 11 #BRW750306A Front Lower Link x 2 50mm Rear Lower Link Spline Shaft x 2 #BRLC70231 #BRLC70229 KUDU™ M4 Nylon Rod End (D) (Upwards 20mm) x 5 #BRW750307D Panhard Link x 1 #BRLC70233 B LINKS/SHOCKS Panhard Chassis Mount D4x7x1 Stainless Steel Spacer x 3 #BRASS471 #BRLC7074A Additional spacers provided for link adjustments. #BRLC70232

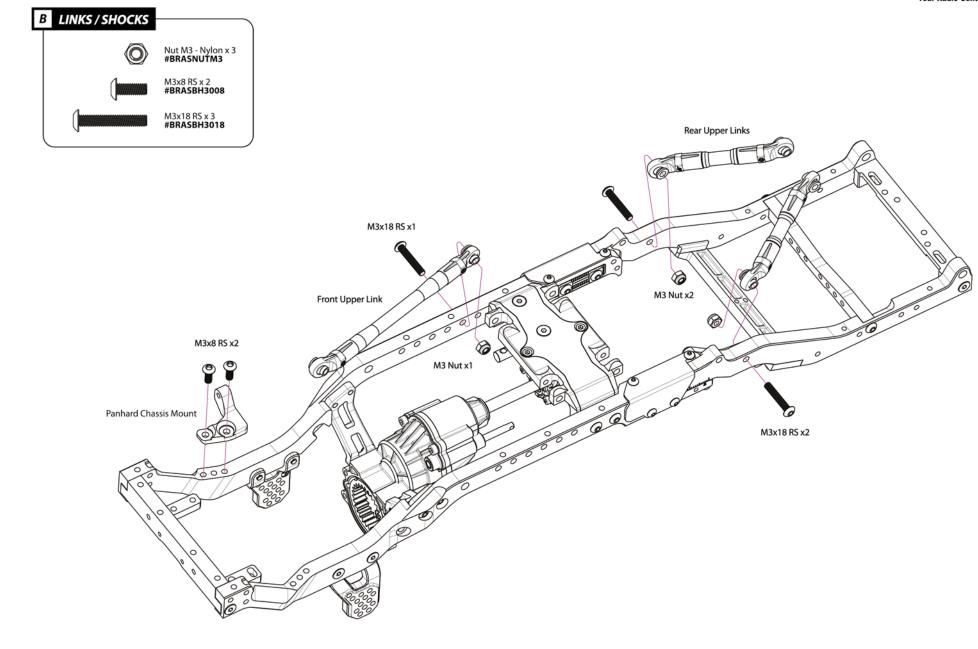




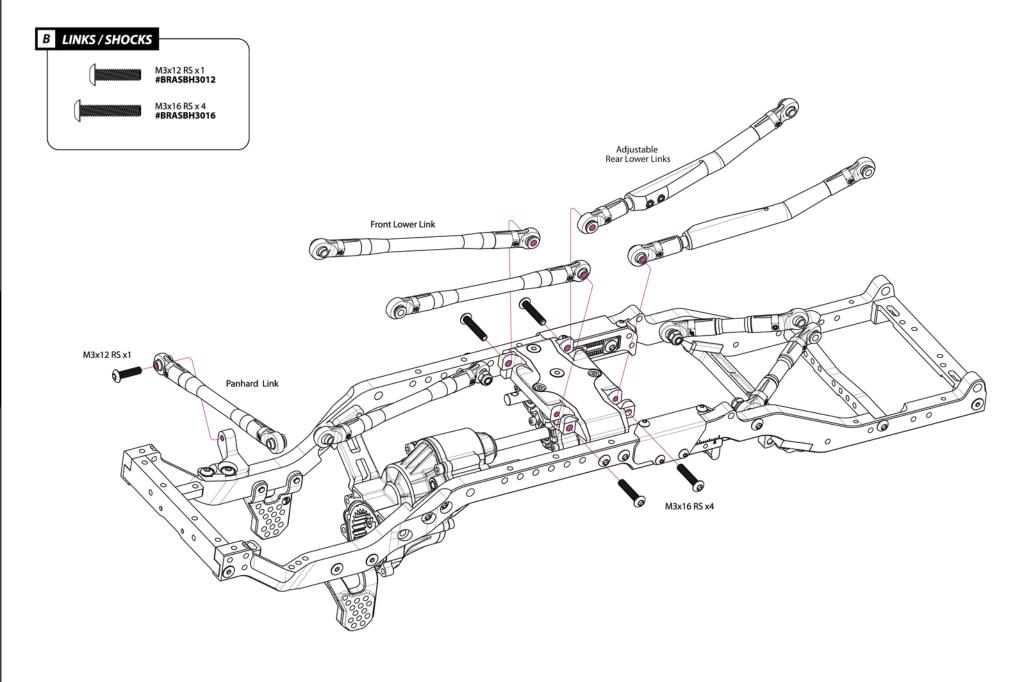


LINK SYSTEM



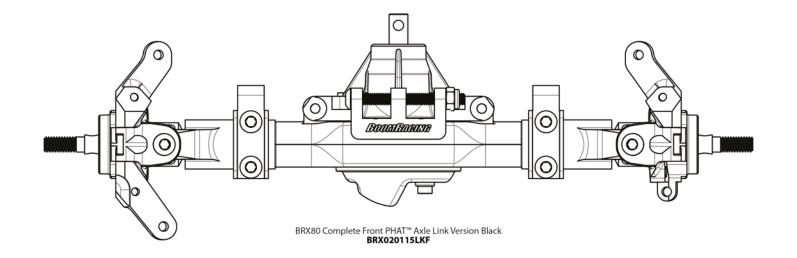


BRX01-AWB



## 7 - FRONT AXLES I

Parts Needed:





Stainless Steel Tie Rod x 1 #BRD8022A



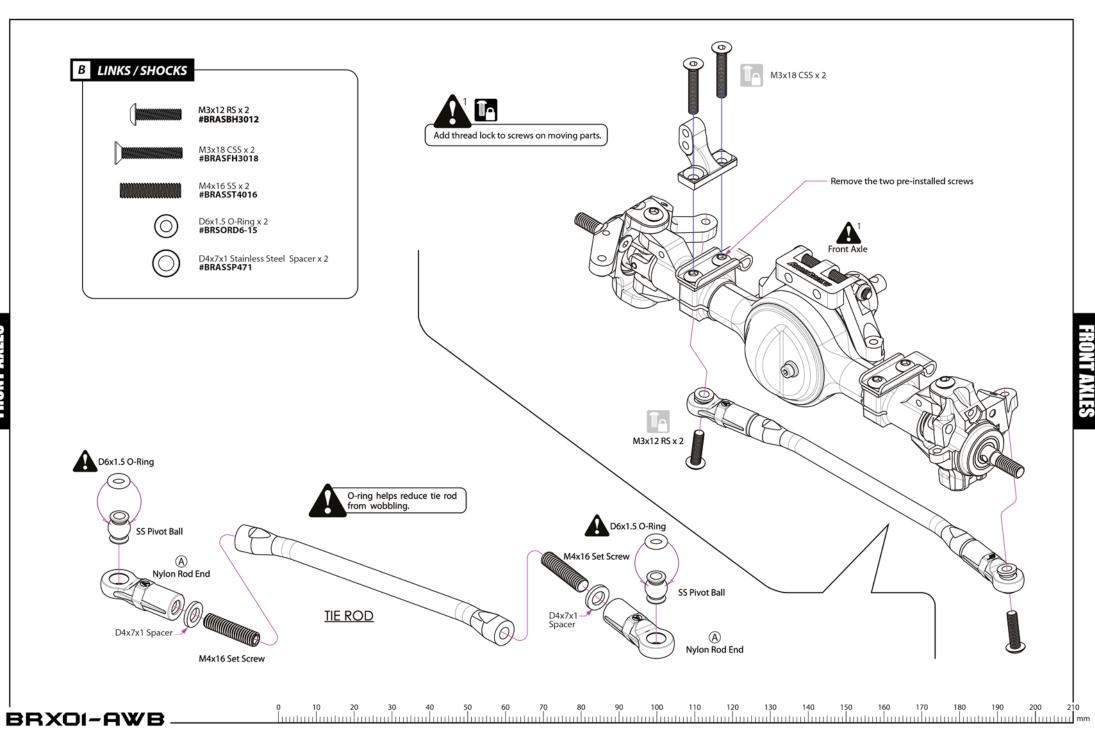
KUDU™ Nylon Rod End (A) (Straight 18.5mm) x 2 #BRW750306A

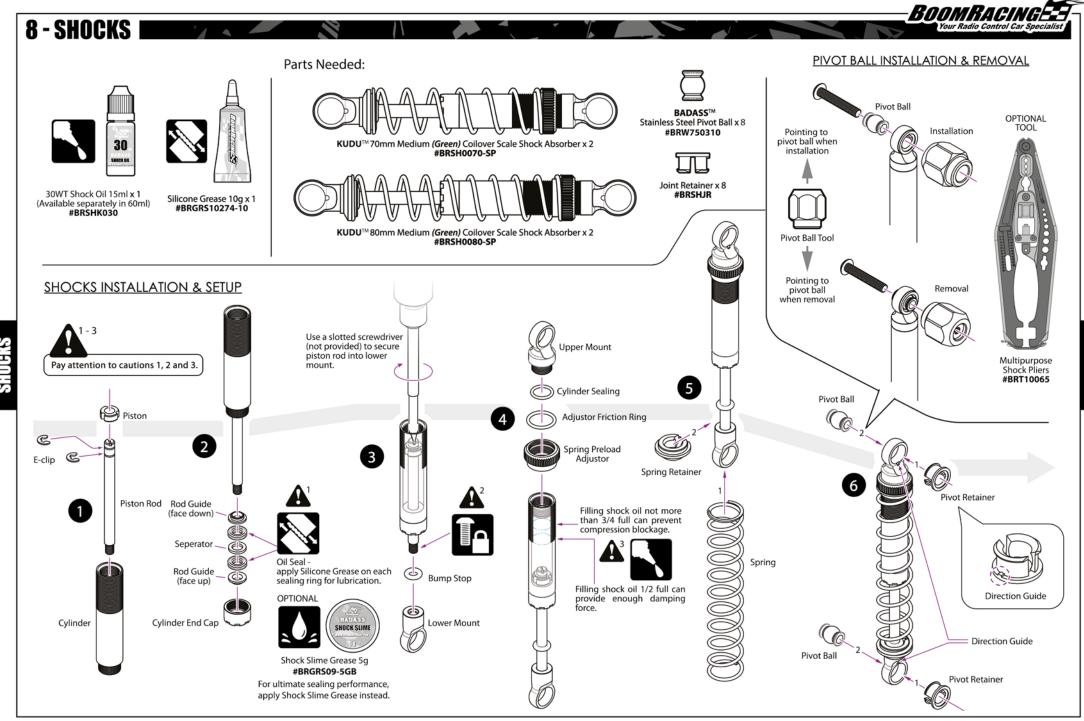


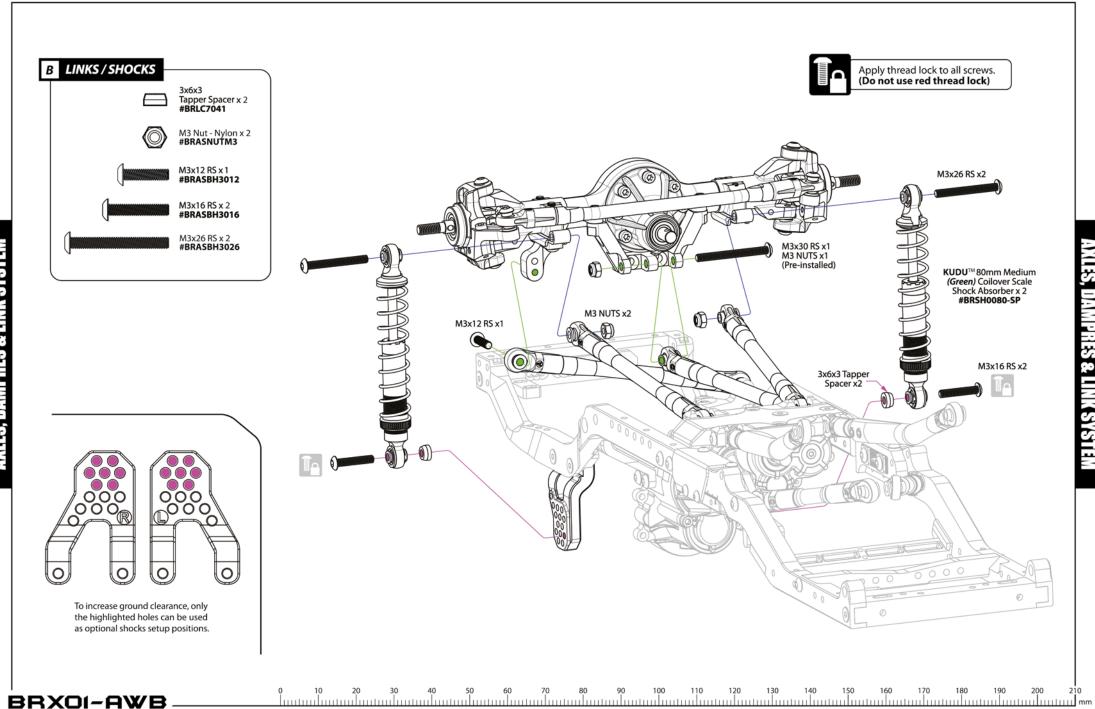
BADASS™ Stainless Steel Pivot Ball x 2 #BRW750310



Panhard Axle Mount #BRX020024

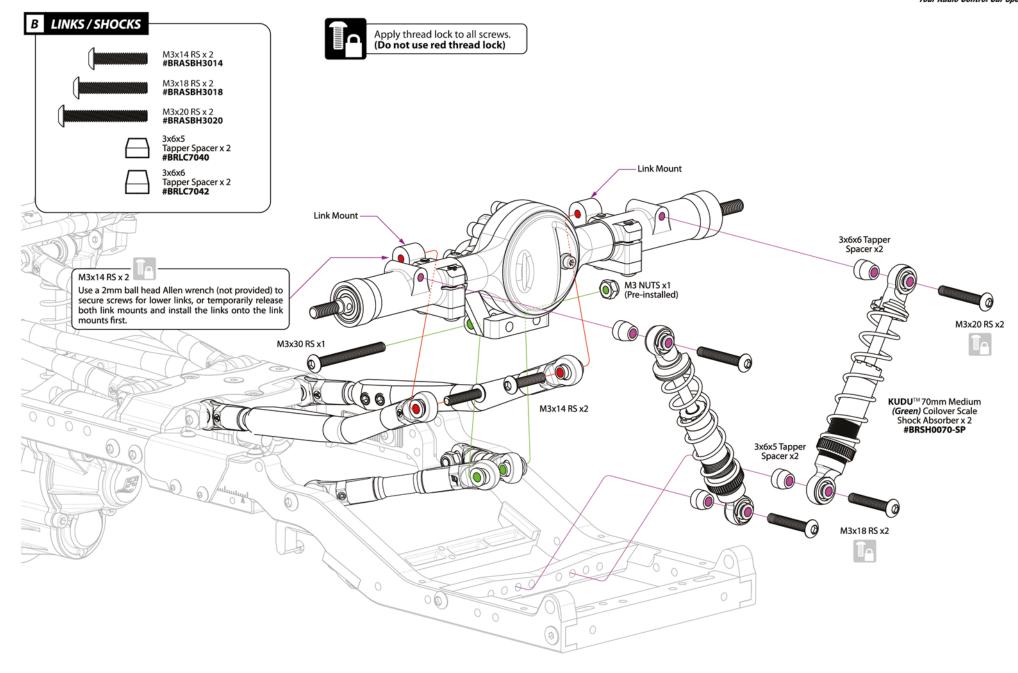


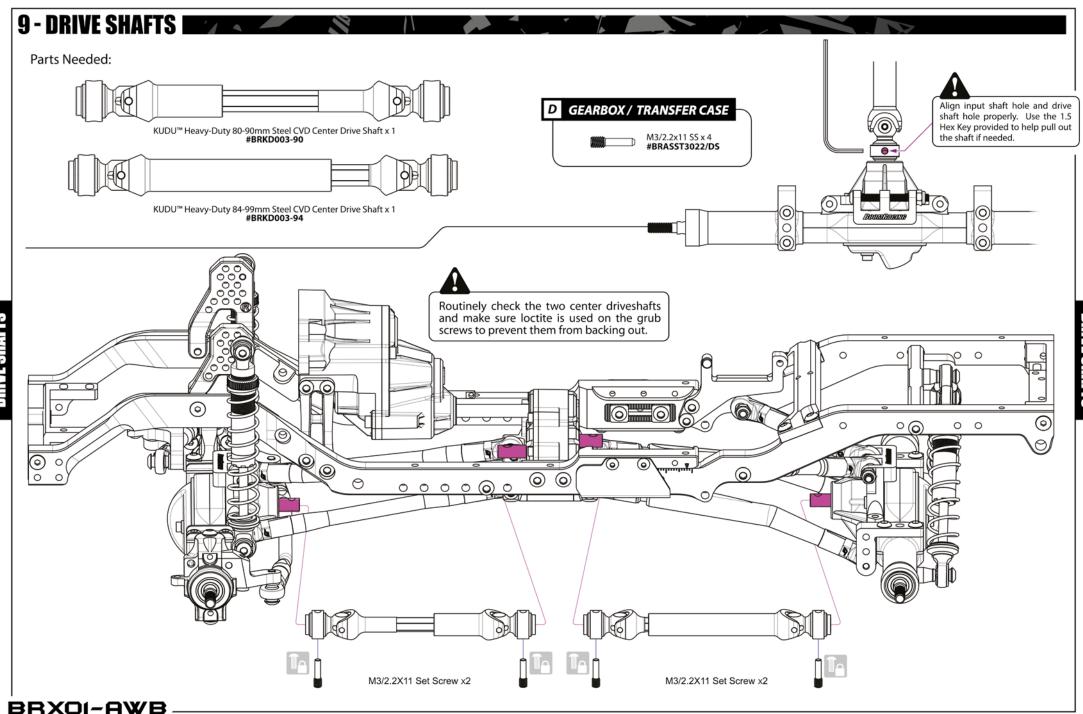






DAMPRES & LINK SYSTEM



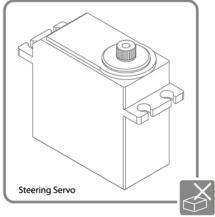


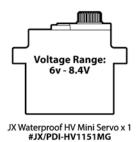
## 10 - SERVOS |

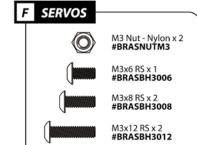
## 

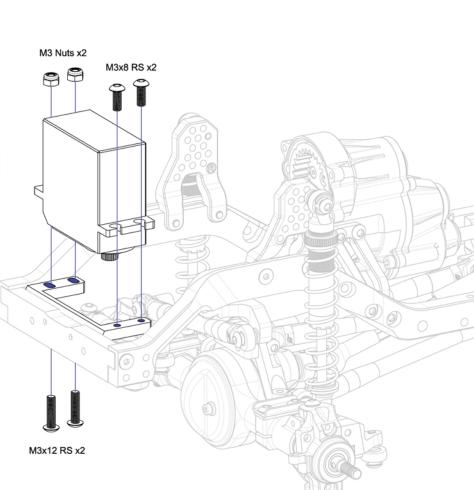
M3X6 RS x1

#### Parts Needed:











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)

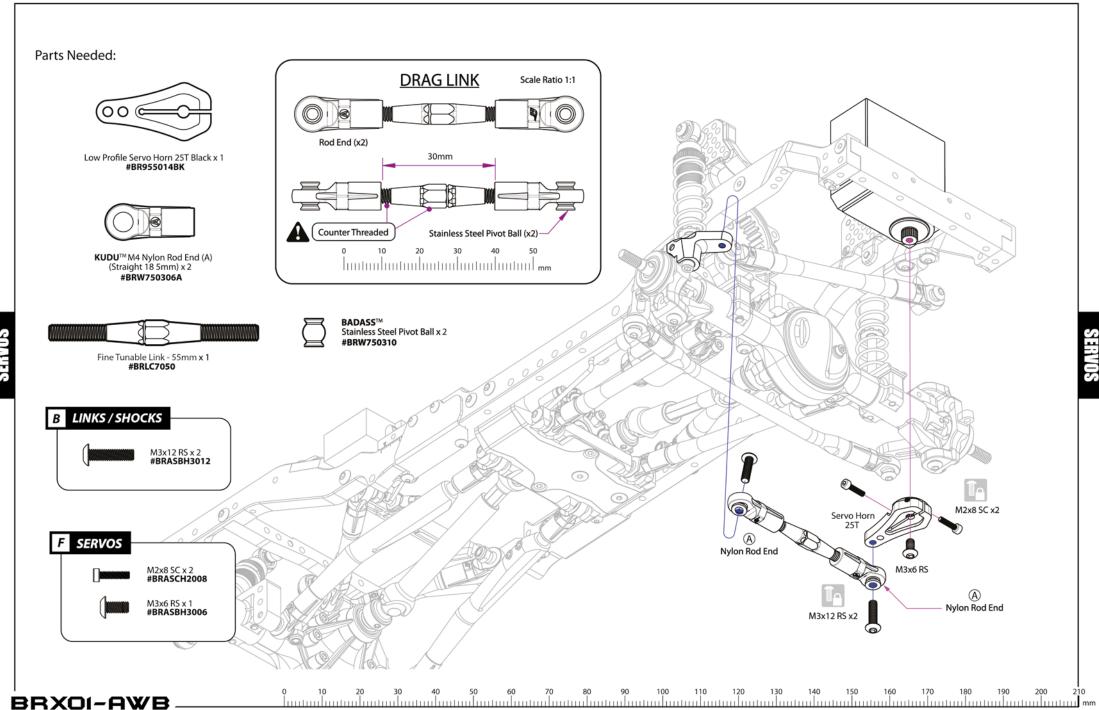
 Idle Current:
 150mA (6.0V) | 180mA (8.4V)

 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



## 11 - SHIFT ROD I

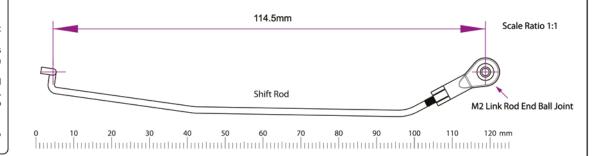




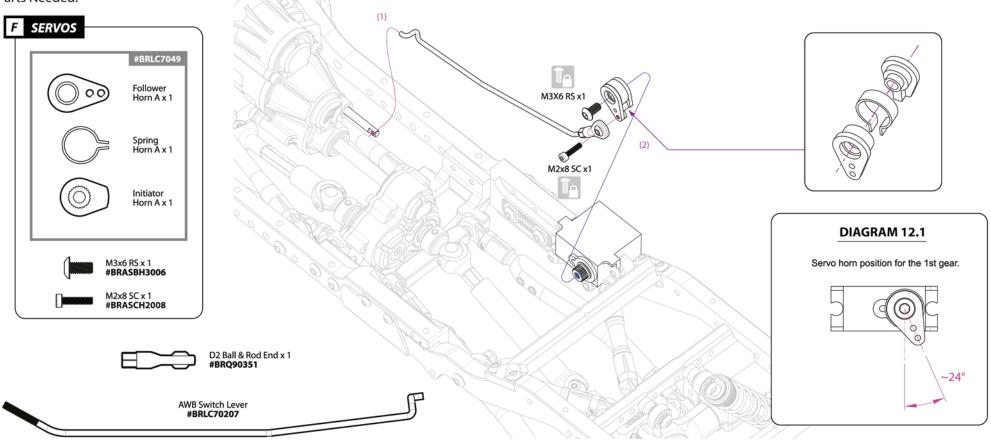
#### INSTALLING THE SHIFT ROD & CONFIGURING THE SHIFT SERVO

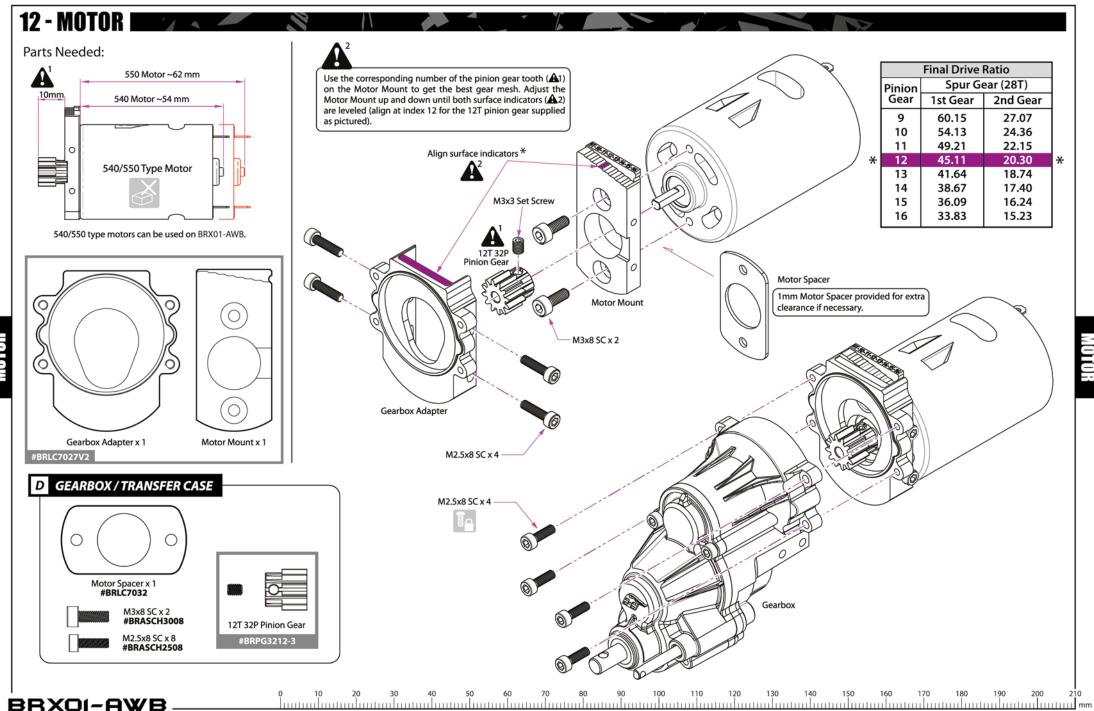
- 1. Attach the shift rod to the servo saver first, then connect it to the gearbox as illustrated in the diagram.

  2. Temporarily connect the electronics. Choose a changel with a two-position switch and plug the shift
- Temporarily connect the electronics. Choose a channel with a two-position switch and plug the shift servo into that channel.
- With the servo connected, lower the EPA (End Point Adjustment) on both sides initially. Test the servo's rotation direction: counterclockwise shifts to first gear, and clockwise shifts to second gear (see diagram for reference).
- Ensure the shift servo is set to the first gear position and the shift rod on the gearbox is fully extended outward. If it's not fully out (it should extend approximately 16mm), rotate the wheels slightly to adjust.
- Once these steps are complete, secure the servo saver to the shift servo. Then, adjust the EPA settings to fine-tune the shifting, ensuring smooth transitions into both first and second gears.
- \* Note: Failure to setup the shift servo properly may cause the shift servo to malfunction or not shift into gear properly.



#### Parts Needed:

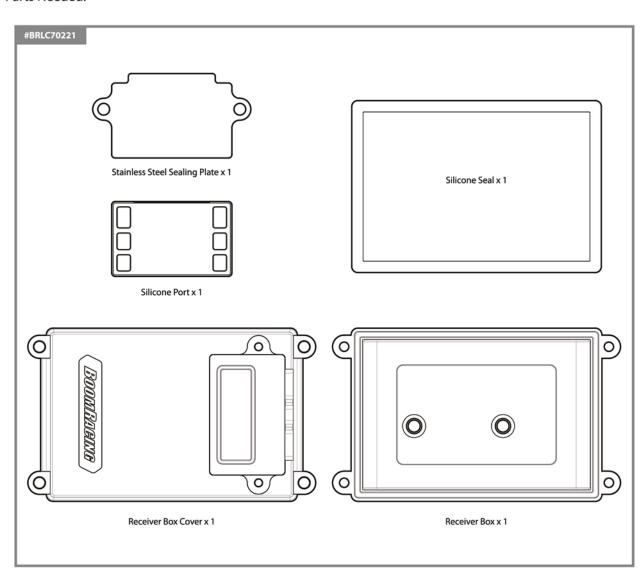


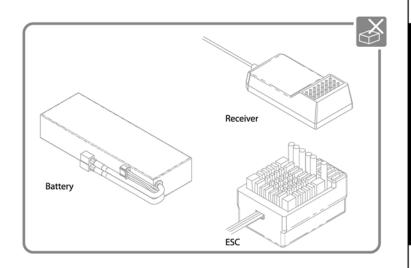


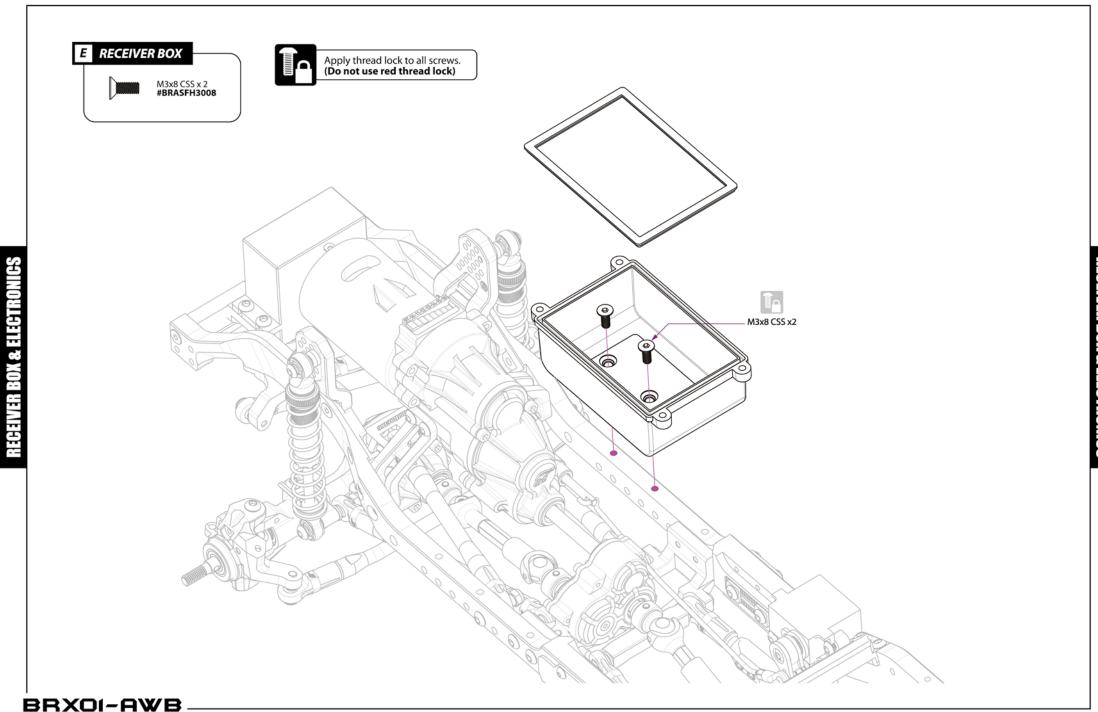
## 13 - RECEIVER BOX & ELECTRONICS INSTALLATION

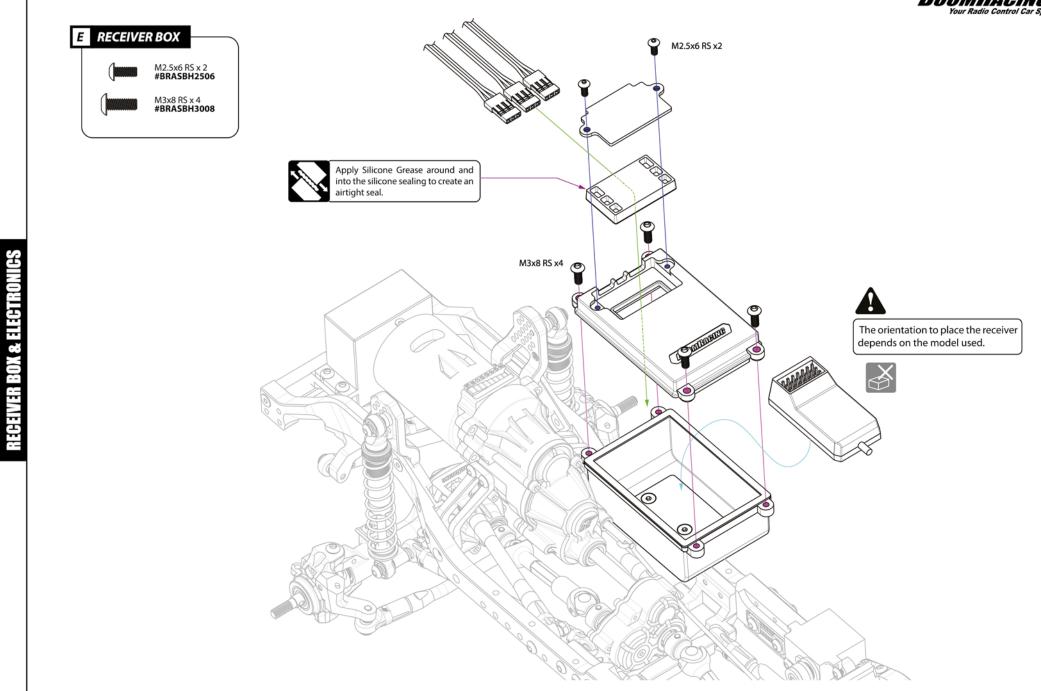


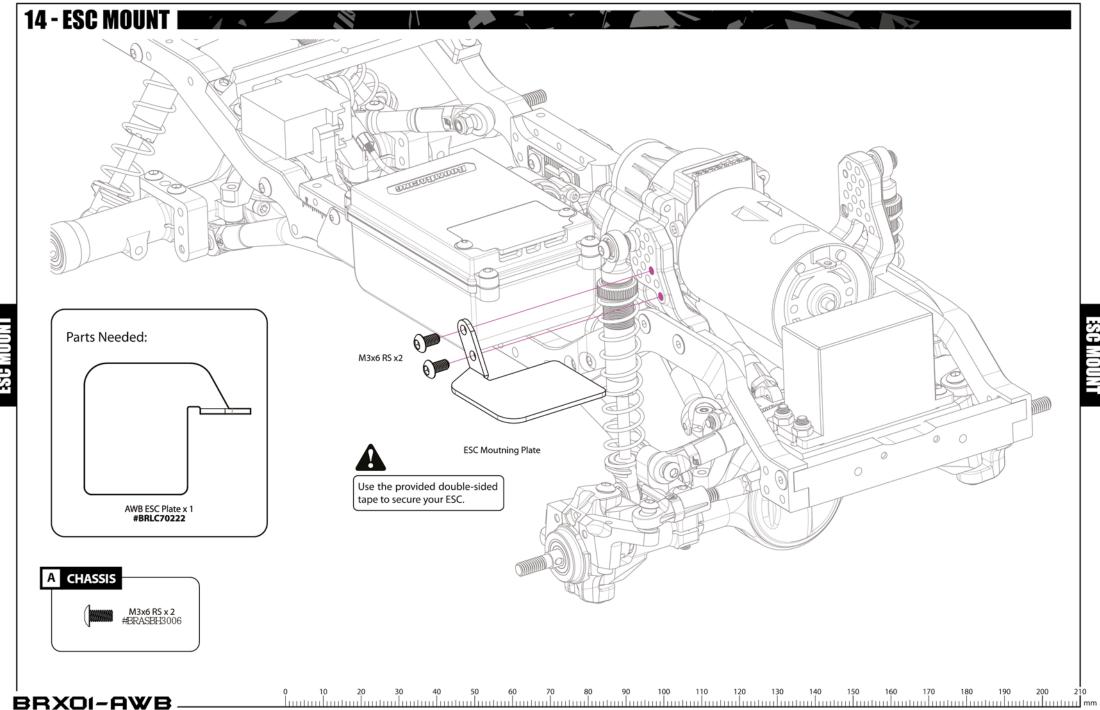
Parts Needed:









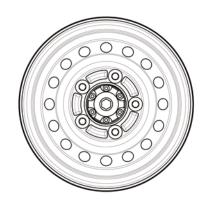


## 15 - WHEELS & TIRES

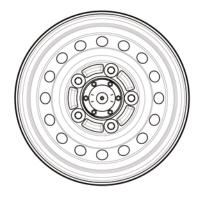
BOOMBACING ST

Parts Needed:

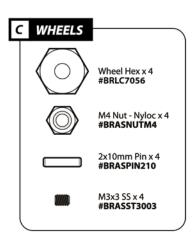




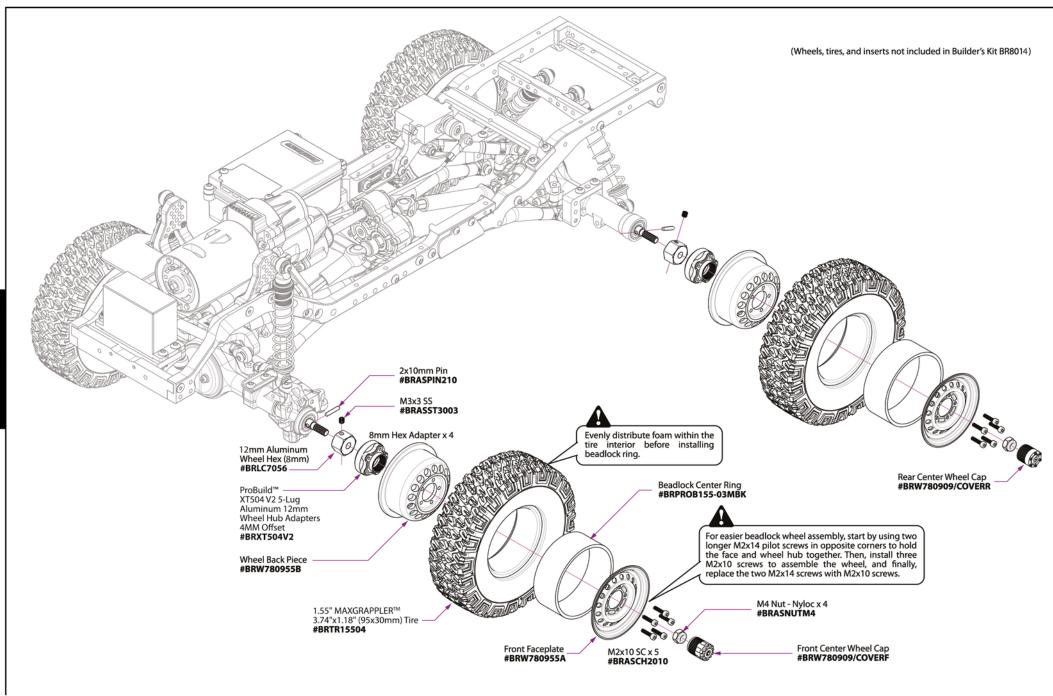
1.55" 16-Hole Classic Steelie Reversible Beadlock Wheels (Front) w/ XT504 Hubs x 2 (Gun Metal) #BRW780955FGM



1.55" 16-Hole Classic Steelie Reversible Beadlock Wheels (Rear) w/ XT504 Hubs x 2 (Gun Metal) #BRW780955RGM



BRX01-AWB

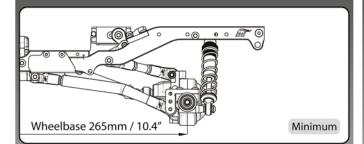


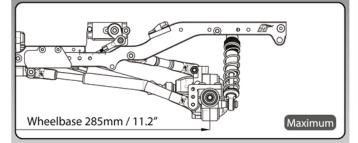
# BOOMBACING ES

## ADJUSTABLE WHEELBASE PARTS LIST (LINKED VERSION)

## **AWB Standard Rear Rails**

Wheelbase 265-285mm / 10.4" - 11.2"





#### Recommended parts:

Rear Rails:

AWB Standard Rear Rails (Left & Right) #BRLC70212

Rear Lower Links:

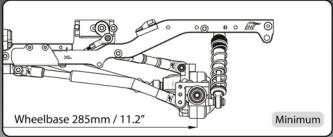
42mm Rear Lower Link Spline Shaft (2) #BRLC70229

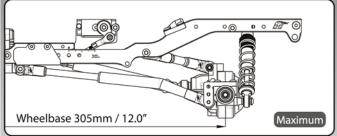
Rear Driveshaft:

Wheelbase 265-285 / 10.4"-11.2" #BRKD003-94

## **AWB XL Rear Rails**

Wheelbase 285-305mm / 11.2" - 12.0"





#### Recommended parts:

Rear Rails:

AWB XL Rear Rails (Left & Right) #BRLC70213

Rear Lower Links:

62mm Stainless Steel Rear Lower Link Spline Shaft (2)

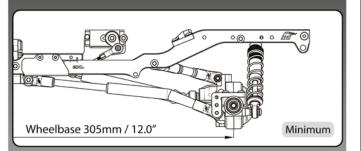
#BRLC70229-XL

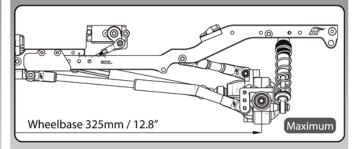
Rear Driveshaft:

Wheelbase 285-325 / 11.2"-12.8" #BRKD003-116

## **AWB 2XL Rear Rails**

Wheelbase 305-325mm / 12.0" - 12.8"





#### Recommended parts:

Rear Rails:

AWB 2XL Rear Rails (Left & Right) #BRLC70235

Rear Lower Links:

82mm Stainless Steel Rear Lower LinkSpline Shaft (2)

#BRLC70229-2XL

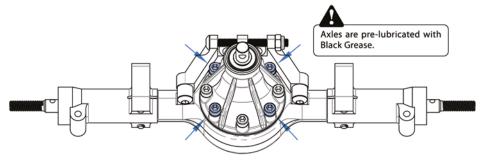
Rear Driveshaft:

Wheelbase 285-325 / 11.2"-12.8" #BRKD003-116



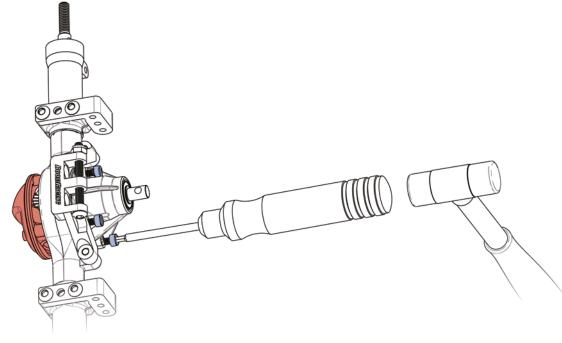
# PRE-ASSEMBLED AXLE

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

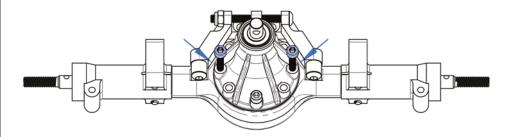


Step 1 - Loosen four M2.5x16mm socket screws indicated making the screw cap 3 mm apart from the case.

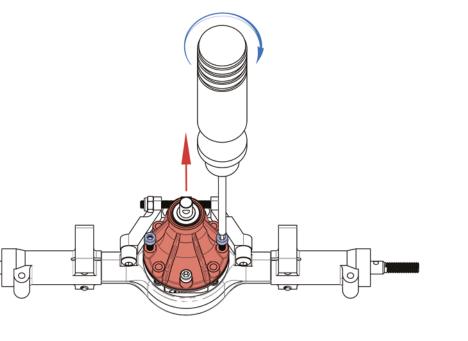
Step 2 - Hammer those screw slightly via screwdriver to release the front diff cover.



## 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



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

D7x14x3.5 x 2 #BBZ6870PEN

M3x10 RS x 2

#BRASBH3010

PRE-ASSEMBLED FRONT AXLE

BRX70 / BRX80 / BRX90 PHAT™ Axle Black Diff Cover

#BRLC7026

M2x4 SC #BRASCH2004 0

Bevel Helical Main Gear 30T

#BR955020A

CNC Knuckle Lever - Right #BRLC7002/A King Pin x 4 #BRLC70226

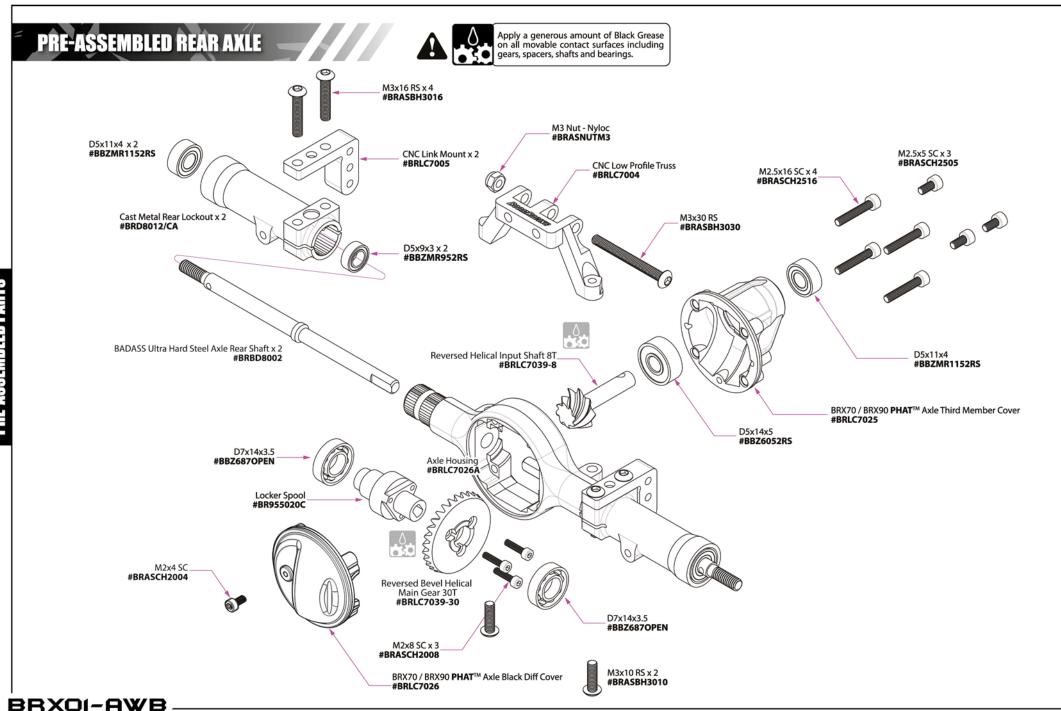
CNC Knuckle Arm #BRLC7002/B

M2.5x5 SC x 3

HD Keyed Bevel Helical Overdrive

Gear + Differential Locker set

27/8T **#BR955029** 24/8T **#BR955040** 



SSEMBLED PARTS

# BOOMRACING ET

## COMPLETE

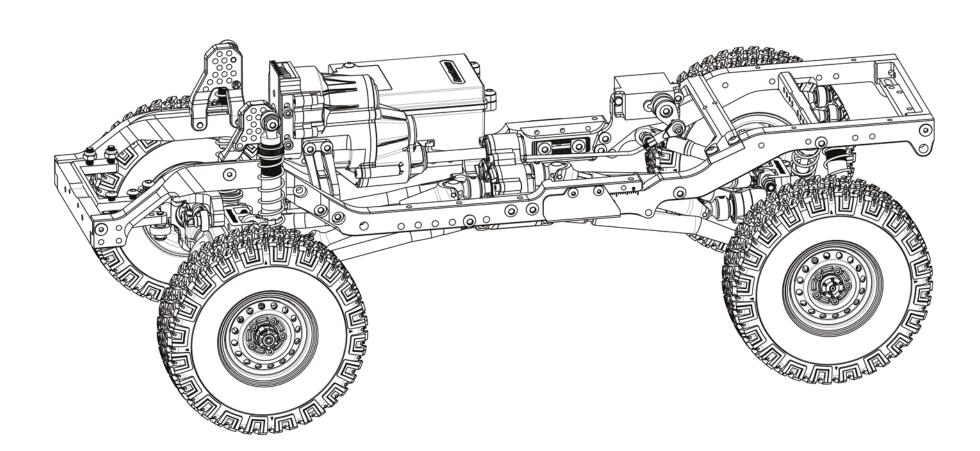


Illustration for reference only. (Wheels, tires, and inserts not included in Builder's Kit BR8014)

## **PARTS LIST**

Part #	Description	Part #	Description
BBZ6052RS	High Performance Rubber Sealed Ball Bearing 5x14x5mm (1)	BRBD8002	BADASS™ Ultra Hard Steel Axle Rear Shaft (2pcs) for BRX80 PHAT™ Axle BRD8023
BBZ67002RS	High Performance Rubber Sealed Ball Bearing 10x15x4mm (1)	BRD8011/CA	Cast Metal C-hub (2)
BBZ687OPEN	Open Ball Bearing 7x14x3.5mm (1)	BRD8012/CA	Cast Metal Rear Lockout for BRX80 PHAT™ Axle
BBZMR1042RS	High Performance Rubber Sealed Ball Bearing 4x10x4 Ball Bearing (1)	BRD8022A	Stainless Steel Tie Rod (1) for BRX80 PHAT™ Axle
BBZMR1052RS	High Performance Rubber Sealed Ball Bearing 5x10x4mm (1)	BRGRS10274-10	SW Silicone Grease 10g (1)
BBZMR115RS	High Performance Rubber Sealed Ball Bearing 5x11x4 Ball Bearing (7)	BRGRS1055-10	Black Graphite Grease 10g (1)
BBZMR1172RS	High Performance Rubber Sealed Ball Bearing 7x11x3 Ball Bearing (1)	BRGRS242	242 Thread Lock 2g (1)
BBZMR952RS	High Performance Rubber Sealed Ball Bearing 5x9x3mm (1)	BRKD003-90	KUDU™ Heavy-Duty 80-90mm Steel CVD Center Drive Shaft (1)
BR955014BK	Aluminum Low Profile Servo Horn 25T Black	BRKD003-94	KUDU™ Heavy-Duty 84-99mm Steel CVD Center Drive Shaft (1)
BR955020	Heavy Duty Keyed Bevel Helical Gear 30/8T + Differential Locker Spool Set	BRLC7002/A	Aluminum Knuckle Lever (High Clearance) Right for BRX70/BRX80/BRX90 PHAT™ Axle Knuckle (1)
BRASBH2506	M2.5x6mm Round Head 12.9 Grade Nickel Plated Screws (10)	BRLC7002/B	Aluminum Knuckle Arm (Low Profile) for BRX70/BRX80/BRX90 PHAT™ & AR44 Knuckle (2)
BRASBH3006	M3x6mm Round Head 12.9 Grade Nickel Plated Screws (10)	BRLC7002/CAV2	Cast Metal Knuckle V2 for BRX70/BRX80/BRX90 PHAT™ & AR44 Axle (2)
BRASBH3008	M3x8mm Round Head 12.9 Grade Nickel Plated Screws (10)	BRLC7004	Aluminum Low Profile Truss for BRX70/BRX80/BRX90 PHAT™ Axle Black
BRASBH3012	M3x12mm Round Head 12.9 Grade Nickel Plated Screws (10)	BRLC7005	Aluminum Link Mount for BRX70/BRX80/BRX90 PHAT™ Axle (2) Black
BRASBH3014	M3x14mm Round Head 12.9 Grade Nickel Plated Screws (10)	BRLC7010	Steel Leaf Spring Channel w/ Shock Mount for BRX70/BRX80/BRX90 PHAT™ Axle (2)
BRASBH3016	M3.0x16mm Round Head 12.9 Grade Nickel Plated Screws (4)	BRLC7014	Aluminum Middle Crossmember
BRASBH3018	M3.0x18mm Round Head 12.9 Grade Nickel Plated Screws (4)	BRLC7016	Aluminum Steering Servo Mount for CMS Setup
BRASBH3020	M3.0x20mm Round Head 12.9 Grade Nickel Plated Screws (2)	BRLC70201-B	Front output shaft for T-case OD
BRASBH3026	M3.0x26mm Round Head 12.9 Grade Nickel Plated Screws (2)	BRLC70202	AWB Front Crossmember
BRASCH2008	M2x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (5)	BRLC70206	AWB Rear Crossmember
BRASCH2508	M2.5x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (8)	BRLC70207	AWB Switch Leaver
BRASCH2510	M2.5x10mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (4)	BRLC70210	Gear set 20Tx1 29Tx2 for T-case SWD & DIG
BRASCH3008	M3x8mm Socket Cap Screw 12.9 Grade Nickel Plated Screws (2)	BRLC70211	AWB Chassis Front Rail L/R
BRASEC30	E-Clip 3mm (2)	BRLC70212	AWB Chassis Rear Rail L/R
BRASFH2005	M2.5x5mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (4)	BRLC70214	AWB Chassis Side Bracket L/R
BRASFH2508	M2.5x8mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)	BRLC70215	AWB Slotted Plate (2
BRASFH3006	M3x6mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (1)	BRLC70216	AWB Sloted Washer (4)
BRASFH3008	M3x8mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)	BRLC70218	AWB Front Offset Shock Tower L/R
BRASFH3010	M3x10mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)	BRLC70221	AWB Universal Receiver Box Set w/ Silicone Seals
BRASFH3018	M3x18mm Counter Sunk Screw 12.9 Grade Nickel Plated Screws (10)	BRLC70222	AWB ESC Plate
BRASNUTM3	M3 Nut nylon (5)	BRLC70223R	Mini Servo Mount for AWB
BRASNUTM4	M4 Nuts (4)	BRLC70225V2	Brass Bushing V2 for BRX70/BRX80/BRX90 PHAT Axle (4)
BRASPIN210	Hex Pin (Steel) 2x10mm (4)	BRLC70226	Kingpin for BRX70/BRX80/BRX90 PHAT Axle (4)
BRASSP471	Spacer D4x7x1 Stainless Steel (5)	BRLC70228	Stainless Steel Rear Upper Link (2)
BRASSPD4705	Spacer D4x7x0.5 (1)	BRLC70229	42mm Stainless Steel Rear Lower Link Spline Shaft (2)
BRASSPD5801	Spacer D5x8x0.1 (5)	BRLC70230	Stainless Steel Front Upper Link (1)
BRASSPD5805	Spacer D5x8x0.5 (9)	BRLC70231	Stainless Steel Front Lower Link (2)
BRASST3003	M3x3 SS Set Screw (4)	BRLC70232	Stainless Steel Rear Lower Link Barrel Left & Right
BRASST3022/DS	M3/2.2 x11 SS Steel Driveshaft Screw Pin (4)	BRLC70233	Stainless Steel Panhard Link
BRASST4004	M4x4 SS Steel Socket Set Screw (10)	BRLC7024	BRX70/BRX80/BRX90 PHAT™ Axle Housing with Black Diff Cover
BRASST4016	M4x16 SS Steel Socket Set Screw (10)	BRLC7025	BRX70/BRX80/BRX90 PHAT™ Axle Third Member Cover
BRBD8001	BADASS™ Ultra Hard Steel Axle Universal Driveshaft (2pcs) for BRX80 PHAT™ Axle BRD8022	BRLC7026	BRX70/BRX80/BRX90 PHAT™ Axle Black Diff Cover

## BRX01-AWB \_\_\_\_\_

## **PARTS LIST**



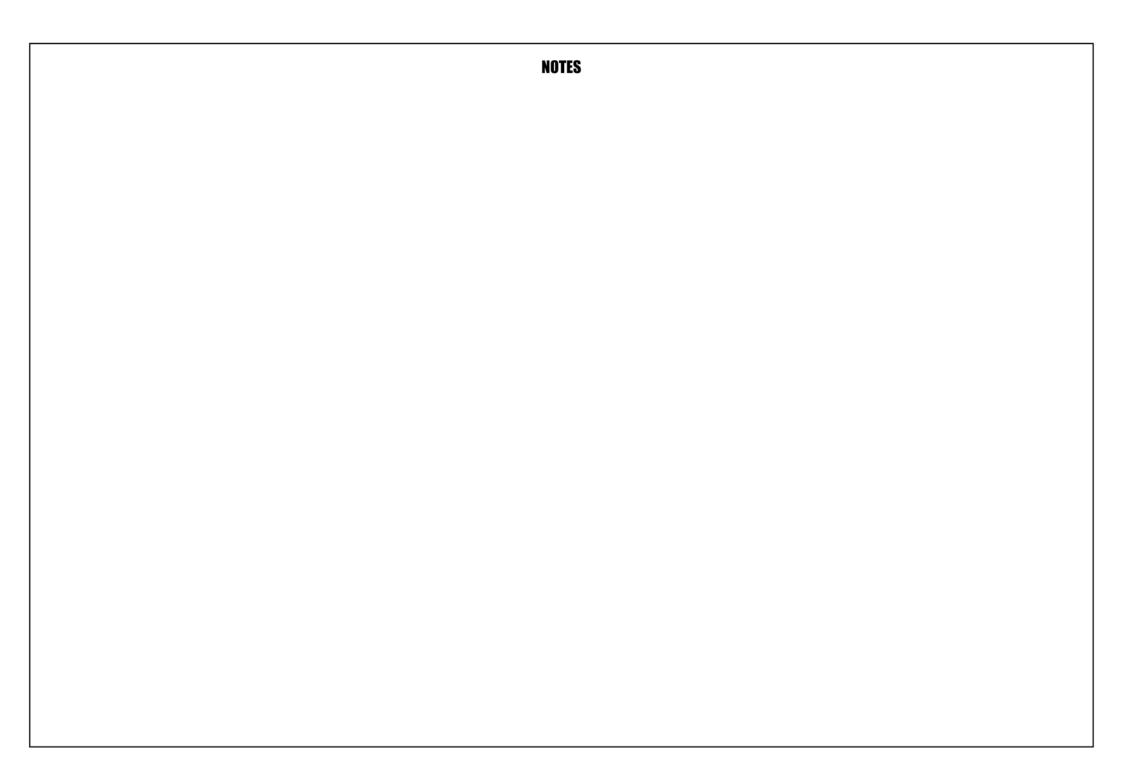
Part #	Description	Part #
BRLC7026A	BRX70/BRX80/BRX90 PHAT™ Axle Housing	BRW780
BRLC7027V2	Steel Gearbox Adapter with Aluminum Motor Mount	BRX0200
BRLC7029-12T	Spur gear 12T (1)	BRX0200
BRLC7029-15T	Spur gear 15T (1)	BRX0200
BRLC7029-20T	Spur gear 20T (2)	BRX0200
BRLC7030	HD Steel Spur Gear Mount	BRX020
BRLC7031	Internal Spur Gear 28T 32 Pitch	BRX020
BRLC7032	Motor spacer	BRX020
BRLC7039	30/8T Reverse HD Steel Triangular Keyed Bevel Helical Cut Diff Gear w/ Spool Set	BRX020
BRLC7040	3x6x5 mm Tapper Spacer(2)	BRXT504
BRLC7041	3x6x3 mm Tapper Spacer(4)	JX/PDI-H
BRLC7042	3x6x6 mm Tapper Spacer(2)	
BRLC7044B	Input shaft	
BRLC7044E	2-Speed Gear Unit (1)	
BRLC7045B	Shifter	
BRLC7045C	Stainless Steel Shift Rod	
BRLC7049	Aluminum 2 Speed Servo Horn Set	
BRLC7050	Stainless Steel Drag Link & Panhard Link Set w/ BADASS Rod Ends (2)	
BRLC7056	12mm Standard Aluminum Wheel Hex Adaptors (4)	
BRLC7059	Extension Cable (2)	
BRLC7064B	Aluminum Center Crossmember for BRLC7064 Leaf Spring	
BRLC7074A	Panhard Chassis Mount (1)	
BRLC7207-P	Guilding Shaft (1)	
BRLC7208	Rear output shaft for T-case OD & SWD	
BRLC7209	High Efficiency Coupling Shaft	
BRPG3212-3	32P 12T / 3.175mm Steel Pinion Gear	
BRQ90351	M2 Link Rod End Ball Joint (1)	
BRSH0070-SP	KUDU™ 70mm Coilover Scale Shock Absorbers (2)	
BRSH0080-SP	KUDU™ 80mm Coilover Scale Shock Absorbers (2)	
BRSHJR	Joint Retainers for KUDU™ Shocks (10)	
BRSHK030	30WT Shock Oil 15ml	
BRSORD6-15	D6x1.5 O-Ring (2)	
BRT10028	Tool Set	
BRT10037	Cable Wiring Retainer	
BRT10053	Pivot Ball Tool	
BRTR15504	1.55" MAXGRAPPLER Scale RC Tire Gekko Compound 3.74"x1.18" (95x30mm) Open Cell Foams (4)	
BRW750306A	Rod Ends M4 Nylon (Straight) 18.5mm (6)	
BRW750307D	M4 Nylon Rod Ends 20.0mm (Upwards) (2)	
BRW750310	Stainless Steel End Pivot Balls for KUDU™ Shocks (5)	
BRW780909/COVERF	Front Center Wheel Hub Cap For Boom Racing 1.55" / 1.9" Steelie Beadlock Wheels (XT5 Series)	
BRW780909/COVERR	Rear Center Wheel Hub Cap For Boom Racing 1.55" / 1.9" Steelie Beadlock Wheels (XT5 Series)	
BRW780955FGM	1.55" 16-Hole Classic Steelie Reversible Beadlock Wheels (Front) w/ XT504 Hubs Gun Meta	

Part #	Description
BRW780955RGM	1.55" 16-Hole Classic Steelie Reversible Beadlock Wheels (Rear) w/ XT504 Hubs (2)
BRX020020	High Clearance Center Alum Link Mount w/ Stainless Steel Plate
BRX020024	Axle Panhard Mount (1)
BRX020029	BCF2™ Gearbox Transmission w/ Bearing Holder Set
BRX020029A	Bearing Holder
BRX020110	Side Gearbox Mount Left & Right Black
BRX020111	B2X™ Overdrive Ready Transfer Case Housing
BRX020115LKF	BRX80 Complete Front PHAT™ Axle Link Version Black
BRX020115LKR	BRX80 Leaf Spring version Complete rear Axle
BRXT504V2	ProBuild™ XT504 V2 5-Lug Aluminum 12mm Wheel Hub Adapters 4MM Offset Version 2 (2)
JX/PDI-HV1151MG	JX Waterproof HV Mini Servo

## PARTS LIST (Optional Accessories)

Part # Chassis Parts	Description	Part # Wheel Hub	Description	
BRD9024 BRLC70101-DIG BRLC70213 BRLC70219F BRLC70219R BRLC70223A	Brass Rear Knuckle Base Weights for BRX80 / BRX90 PHAT™ Axle (2) DIG Transfer Case Kit AWB Chassis Rear Rail XL (287-307mm) R/L Tubular Alum Front Bumper Tubular Alum Rear Bumper Wire Cable Retainer for BRX01 AWB	BRXT502PIN BRXT500V2 BRXT508V2 BRXT512 BRXT516V2 BRXT5DU	XT502PIN 5-Lug Metal Wheel Pin Hub Adapters +2mm Positive Offset (2) ProBuild™ XT500 V2 5-Lug Aluminum Wheel Pin Hub Adapters 0mm Offset V2 (2) ProBuild™ XT508 V2 5-Lug Aluminum 12mm Wheel Hub Adapters 8mm Offset V2 (2) ProBuild™ XT512 5-Lug Aluminum 12mm Wheel Hub Adapters 12mm Offset (2) ProBuild™ XT516 V2 5-Lug Aluminum 12mm Wheel Hub Adapters 16mm Offset (2) Adjustable Dually Adapter for 5-Lug Beadlock Wheel	
BRLC70223L BRLC70301-SWD	Mini Servo Mount for BRX01 AWB SWD (Selective RWD/4WD) Transfer Case Kit	LED BRTLB007	KUDU™ LED Light Module System for BRX01 AWB ZIL Pickup	
BRLC7086F BRLC7086R BRLC7088	Front Skid Plate for BRX70/BRX80/BRX90 PHAT™ Axle Rear Skid Plate for BRX70/BRX80/BRX90 PHAT™ Axle XT Diff Cover for BRX70/BRX80/BRX90 PHAT™ Axle	Rock Monster BRRM15504	Rock Monster GREEN Silicone Tire Insert 3.38x0.91" for 1.55" Baby Hustler / MAXGRAPPLER Tires (2)	
BRLC7089 BRLC7092 BRLC7200	Brass Front Knuckle Base Weights for BRX70/BRX80/BRX90 PHAT™ & AR44 Axle (2) Brass Small Weight Blocks 4g for BRX70/BRX80/BRX90 PHAT™ Axle Knuckle Weight Base (6) Servo Winch Mount Kit	<b>Springs</b> BRKSPRING-45 Set BRKSPRING-55 Set	KUDU™ Shock Springs 45mm Set (Super Hard, Hard, Medium, Soft, Super Soft) (10) KUDU™ Shock Springs 55mm Set (Super Hard, Hard, Medium, Soft, Super Soft) (10)	
BRLC7203 BRLC70229-2XL BRLC70229-XL BRLC70235 BRLC70213 BRLC70234 BRPT8022 BRPT8022 BRPT8023 BRLC70227 BRKD003-116	Aluminum Rear Shock Tower Damper Mount for BRX01 & BRX01 AWB (2) 82mm Stainless Steel Rear Lower Link Spline Shaft (2) 62mm Stainless Steel Rear Lower Link Spline Shaft (2) AWB 2XL Billet Aluminum Rear Rails (7mm) 305-325MM / 12.0" to 12.8" L/R AWB XL Billet Aluminum Rear Rails (7mm) 285-305MM / 11.2" to 12.0" L/R AWB KUDU™ Front Skidplate with D-Ring Shackles Complete Front Assembled BRX80 Portal PHAT™ Axle Complete Rear Assembled BRX80 Portal PHAT™ Axle Servo Winch Mount Kit for BRX01 AWB & BRX01 KUDU™ Heavy-Duty 105.5−148.5mm Steel CVD Center Drive Shaft (1)	Pinion Gear BRPG3209-3 BRPG3210-3 BRPG3211-3 BRPG3213-3 BRPG3214-3 BRPG3215-3 BRPG3216-3 BRPG32COMBO1-3 BRPG32COMBO2-3	32P 9T / 3.175mm Steel Pinion Gear (1) 32P 10T / 3.175mm Steel Pinion Gear (1) 32P 11T / 3.175mm Steel Pinion Gear (1) 32P 13T / 3.175mm Steel Pinion Gear (1) 32P 14T / 3.175mm Steel Pinion Gear (1) 32P 15T / 3.175mm Steel Pinion Gear (1) 32P 16T / 3.175mm Steel Pinion Gear (1) 32P Steel Pinion Gear Combo 9T-12T (4) 32P Steel Pinion Gear Combo 13T-16T (4)	
Gears BR955029 BR955040 BRLC70201-GEAR Wheel Cap BRW780921GD BRW780921R BRW780923 BRW780923PL BRW780923S BRW780923S BRW780925BK BRW780925S	Overdrive HD Steel Keyed Bevel Helical Gear 27/8T + Diff Locker Spool Set Overdrive HD Steel Keyed Bevel Helical Gear 24/8T + Diff Locker Spool Set Transfer Case Overdrive HD Steel Gear Set  Scale 4WD Center Locking Hub Cap (2) Gold (XT5 Series) Scale 4WD Center Locking Hub Cap (2) Red (XT5 Series) S100 Scale Center Wheel Hub Cap (2) Black (XT5 Series) S100 Scale Center Wheel Hub Cap (2) Platinum (XT5 Series) S100 Scale Center Wheel Hub Cap (2) Silver (XT5 Series) Spectre Scale Center Wheel Hub Cap (2) (XT5 Series) Black Spectre Scale Center Wheel Hub Cap (2) (XT5 Series) Silver	Shock Oil BRSHK010 BRSHK015 BRSHK020 BRSHK025 BRSHK030 BRSHK035 BRSHK040 BRSHK045 BRSHK045 BRSHK050 BRSHK055 BRSHK055	BADASS™ Silicone Shock Oil 10wt 60ml  BADASS™ Silicone Shock Oil 20wt 60ml  BADASS™ Silicone Shock Oil 25wt 60ml  BADASS™ Silicone Shock Oil 30wt 60ml  BADASS™ Silicone Shock Oil 35wt 60ml  BADASS™ Silicone Shock Oil 40wt 60ml  BADASS™ Silicone Shock Oil 45wt 60ml  BADASS™ Silicone Shock Oil 55wt 60ml  BADASS™ Silicone Shock Oil 55wt 60ml  BADASS™ Silicone Shock Oil 55wt 60ml  BADASS™ Silicone Shock Oil 60wt 60ml	
, .	Retro Nylon Center Wheel Cap (4) (XT5 Series) w/ Tool Dome Center Cap (2) Chrome (XT5 Series) s, call Boom Racing at: at sales@boomracing.com	BRSHK065 BRSHK070 BRSHK075 BRSHK080	BADASS™ Silicone Shock Oil 65wt 60ml  BADASS™ Silicone Shock Oil 70wt 60ml  BADASS™ Silicone Shock Oil 75wt 60ml  BADASS™ Silicone Shock Oil 80wt 60ml	
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## BRX0I-AWB \_\_\_\_\_



## Adam Sajdak (Germany)

The BRX01 AWB is a very successful chassis design that works great off-road! At the same time, thanks to the adjustable wheelbase (AWB), it gives us unlimited possibilities in the future, allowing us to adapt the frame to individual projects. It looks like a great multiplatform that will work in any project.





### Jeremy Kilburn (United States)

Another unmatched build experience from Boom Racing! The quality and thoughtfulness of the AWB kit presents unlimited possibilities with builders, competitors and newcomers in mind.

### Shawn Roche (United States)

I have tested all the BRX trucks and I was excited to get involved with the AWB because it is the chassis the industry has needed for a very long time. Based on the tried a true BRX01 drivetrain it is reliable and it out perfoms any stock leaf truck I have ever run, this is the perfect chassis for a builder or anyone looking for something different and still want insane performance. Excellent job Boom Racing.





#### Andreas Hahn, Stefan Dölderer (Austria)

Thank you for the opportunity to test this model in detail. First of all, the quality is, as always, very high and building the AWB model is fun. Thanks to the adjustable chassis, you will have many options for driving different bodies in the future. The quality of the adjustment mechanism is very good. The rest is tried and tested BRX01 technology which, as everyone knows, is perfect.

## Matthew Maynard (United States)

My journey with Boom Racing began with the pre-order of the BRX02 carbon fiber chassis kit. From the moment I held it, I knew this was an amazing company. Over the years, as I built more trucks, my trust in their quality and professionalism only grew, both in their rigs and customer service. Now, I have the honor of standing in a Boom tent, talking tiny trucks, and helping bring exciting new kits to the RC market. Whether at events or online, I'm proud to be part of this incredible community. Congrats - if you're reading this, you're now part of the Boom family. Welcome, and enjoy committing badassery!





## Peter Gray (United Kingdom)

Building and then running the BRX01 AWB has been an eye opener. It's made me realise why I love this aspect of the hobby so much. A photorealistic body combined with a chassis, transmission and tyre choice that punches well above its wheelbase and wheel size. Add to that the game changing adjustability of the wheelbase via the AWB Chassis and you have a rig that I'm convinced will inspire many a custom build globally... (hell, I'm already planning something myself!)

## Darius Cybula (Germany)

Chassis of new possibilities. The ability to adjust the wheelbase to individual needs gives freedom of choice of bodywork, and the ease with which it can be done even encourages it. All this combined with proven solutions, already known in the BRX01 chassis. I am convinced that it will soon become the most frequently purchased chassis among hobbyists of both scale and performance cars.



# BOOMBACING Specialist

EXEXT AWB

ADJUSTABLE WHEELBASE 1/10 4WD RADIO CONTROL CHASSIS KIT

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