

### **Instruction Manual**

Width: 218 mm Height: 246 mm

Length : **442** mm

Wheel Base: 287 mm

Ground Clearance: 60 mm

Weight (no electronics): 1.7 kg





#### Cautions



In order to avoid personal injury or property damage, you have to act in a responsible manner and follow these directions. RC models can operate at over 40Km/h but can not stop immediately.

#### Safety Precautions

- Check the surrounding area before you operate RC model.
- Choose a good place to operate your RC model.
- Do not operate your RC model on the street or highway. It can cause a serious damage or a serious accident.
- Do not operate your RC model in confined or crowded areas, in order to avoid accident.
- Never operate your RC model near people or animals, and never use people or animals as an obstacle.
- A collision between your RC model and stationary objects can cause damage to either.
- Do not operate RC model in public places like hospital and residential areas. It can cause great noise.
- Never operate RC model indoors. There is a higher possibility of fire or damage.

#### Safety Precautions (Before assembling)

- Before you start assembling this model, read the instructions carefully and make sure you understand them

If a child assembles this model, an adult must also read the instructions carefully and understand them thoroughly.

- Always be careful when using tools like knives. Extra care should be taken to prevent injuries.
- If you use paint or cement (not included in the RC model), read the instructions supplied with them.
- Keep the parts out of reach of children, small parts can cause choking and vinyl bags can suffocate.

### Safety Precautions (Before you operate RC model, check the following.)

- Check to ensure nuts and bolts are tightened appropriately.
- Check that no one else is using your radio frequency.
- Use new batteries to avoid losing control of the transmitter and receiver.
- You will need a 2 channel radio system which includes a servo, a receiver, an ON/OFF switch, and an electronic speed
- Be sure to use a radio frequency for ground models Do not use airplane frequencies.
- Always check the brakes and throttle before you operate your RC model, in order to avoid losing control of the model.
- To prevent unexpected movements of your RC model, do not connect the batteries to receiver before turning on the transmitter.

Always turn on the transmitter first, and then connect the batteries to the receiver.

- 1. Switch on the transmitter.
- 2. Check that the speed control, the transmitter control, and trims are set to the neutral position.
- 3. Connect the RC model to the receiver's batteries.
- 4. Switch on the model and the receiver.

When you using rechargeable batteries, make sure you read and follow the instructions carefully. Inappropriate handling or usage of rechargeable batteries can cause serious injuries or accidents.

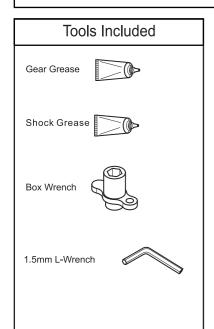
#### Cautions While Operating

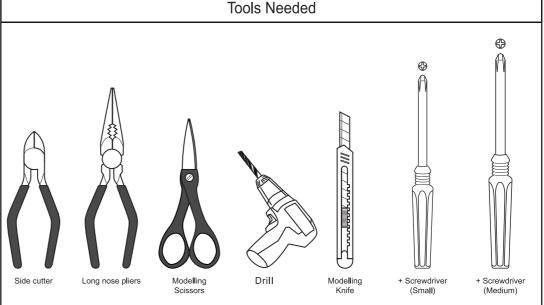
- When the RC model is operating, do not touch the moving parts like the drive shaft and wheels. The moving parts can cause serious injuries.
- Always turn the model or receiver off and disconnect the batteries before turning off the transmitter, in order to avoid unexpected movements of your RC model.
- 1. Turn off the model or receiver.
- 2. Disconnect the batteries.
- 3. Turn off the transmitter.
- Do not touch the vehicle's speed control resistor while operating of the RC model. The resistor may be very hot, especially after running at lower speeds.
- To prevent damage to the RC model, remove the batteries from the model and transmitter when you don't intend to run the RC model for some time.
- After operating your RC model, batteries become hot, so please be careful when handling.
- -In order to prolong the life of your RC model, please keep it free from dirt and grease.
- Before you start assembling this model, read the instruction carefully and make sure you understand them fully.

If a child assembles this model, an adult must also read the instructions carefully and understand them thoroughly.

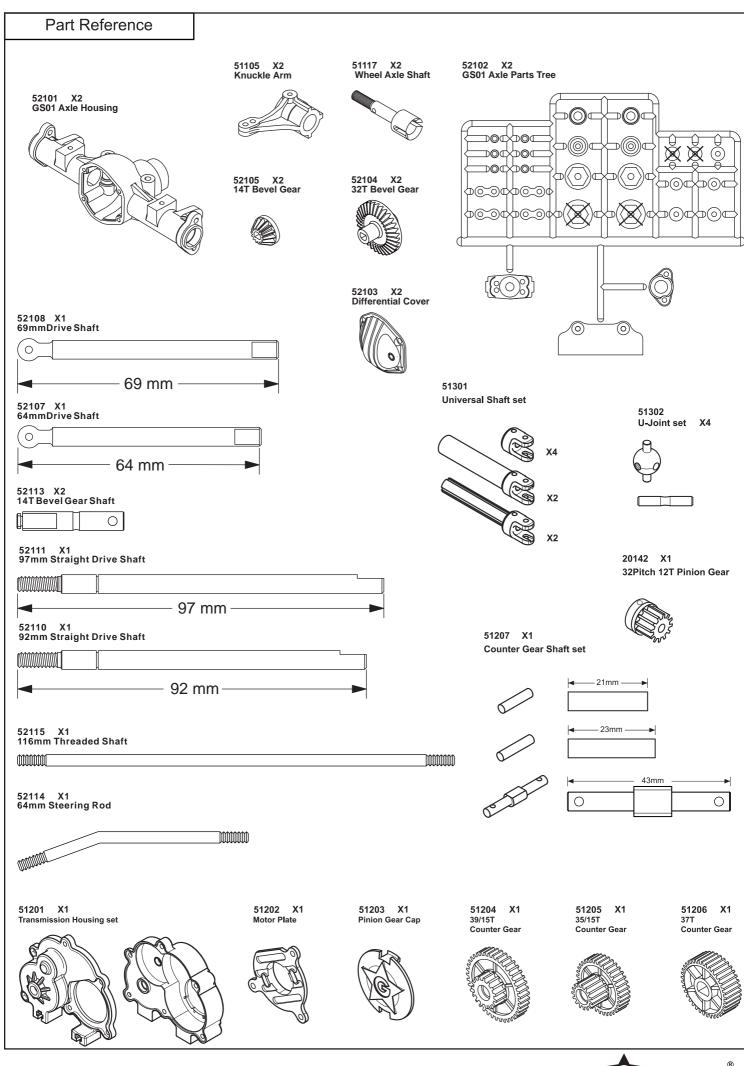
# Batteries Radio Control System (Wheel & Trigger Type) Speed Control ON/OFF Switch 7.2V Battery a

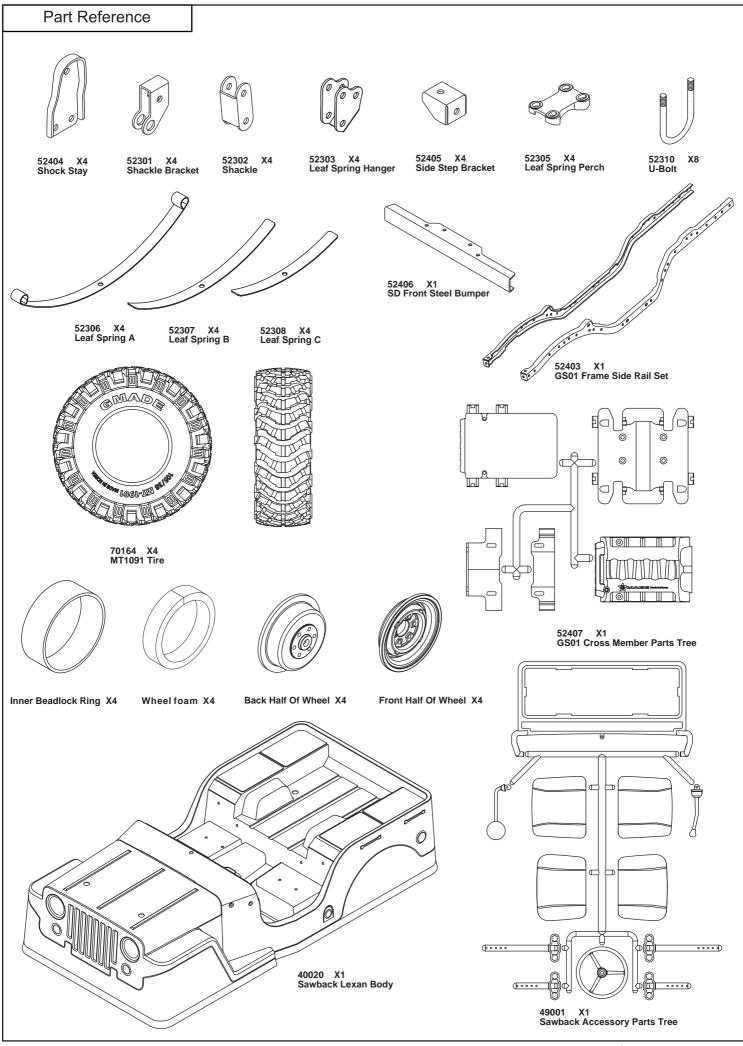
**Equipment Needed** 











#### Part Reference **Round Head Screw Snap Pin** 2.6X6mm X8 R5 Snap Pin X3 2.6X10mm X24 R6 Snap Pin X8 2.6X16mm X2 WWWWW 3X6mm X12 E-Ring 3X8mm X22 2.5mm E-ring X2 3X10mm X12 3X12mm X13 4mm E-ring X2 3X16mm X22 3X18mm X4 0020040 X4 0020043 X4 **Shock Body Shock Spring** 3X20mm X12 3X25mm X3 0020041 X4 0020045 X4 **Shock Shaft** C-Ring 3X35mm X1 WWW 3X10mm Step Screw 20173 X4 6.8mm Rod End Ball **Round Head Tapping Screw** 0020042 X8 Shock End Ball 20216 X4 51603 X4 M3 6.8mm Rod End Axle Pin 3X6mm X8 3X8mm X2 Ball Bearing 850 X10 Ball Bearing 1150 X14 Flat Head Screw 3X10mm X4 **Socket Set Screw** S5 O-Ring X8 P5 O-Ring X7 3X3mm X4 WWW 3X4mm X1 3X15mm Screw Pin Χ4 3mm Washer X15 Nut 0 M3 Nut X11 49002 X1 Wind Shield M2.6 Nut X24 52312 X8 10cm Cable Tie M3 Nylon Lock Nut X78 50130 X2 25cm Releasable Tie M3 Flange Nut X26 Gear Grease X1 Shock Grease X1 1.5mm L-Wrench X1 M4 Nylon Lock Nut X4 Box Wrench X1

### Main Axle Assembly



2.5mm X2 E-ring



Ball Bearing X4 1150



Ball Bearing X4 850

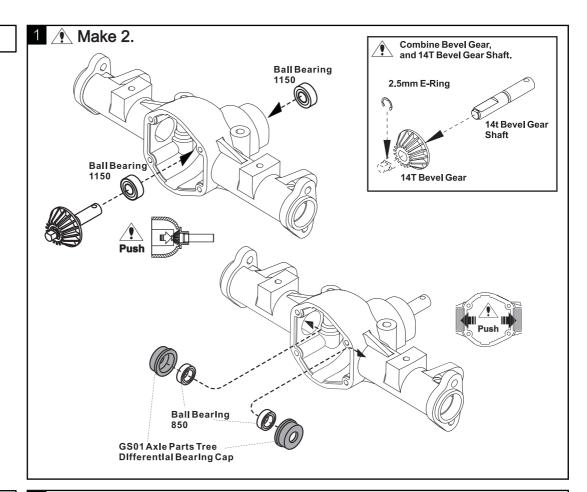
 $\bigcirc$ 

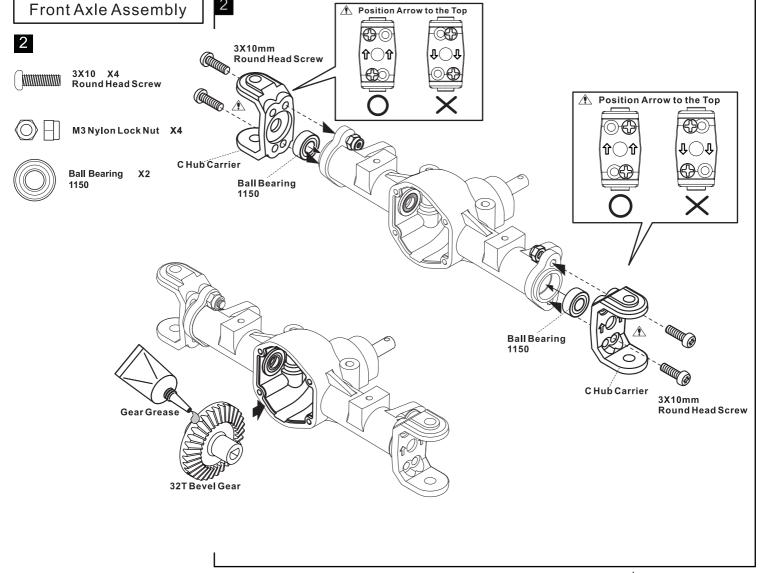


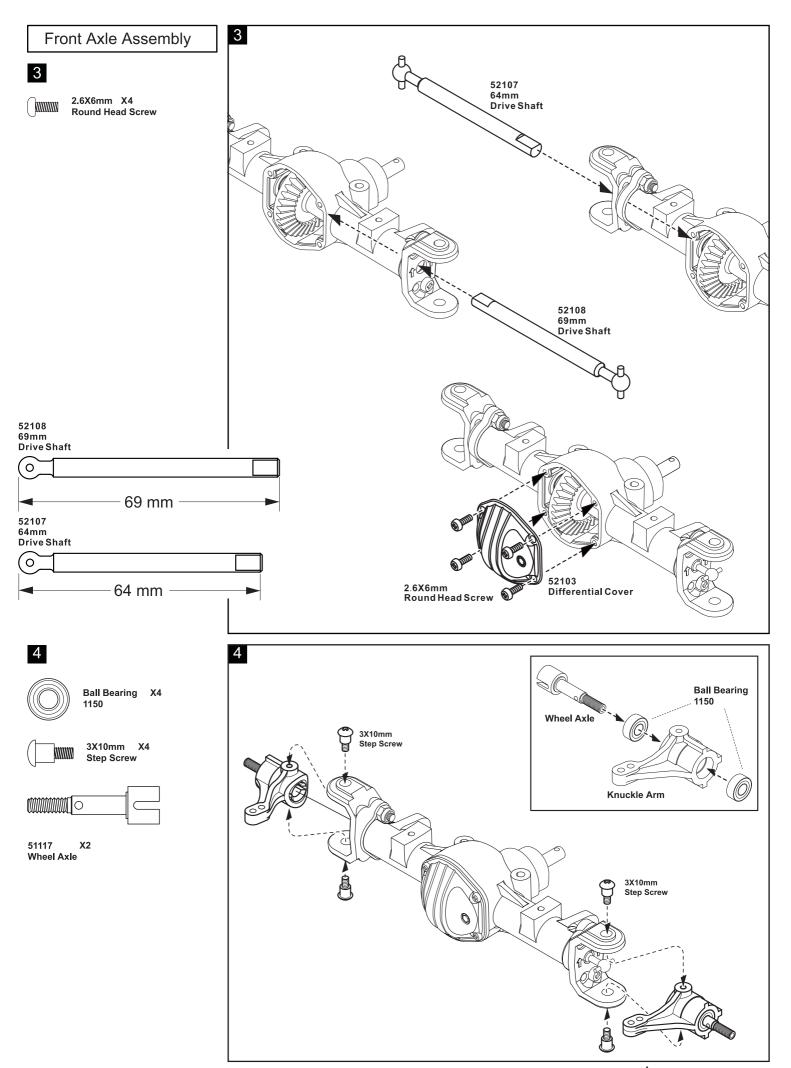
14T Bevel Gear Shaft X2

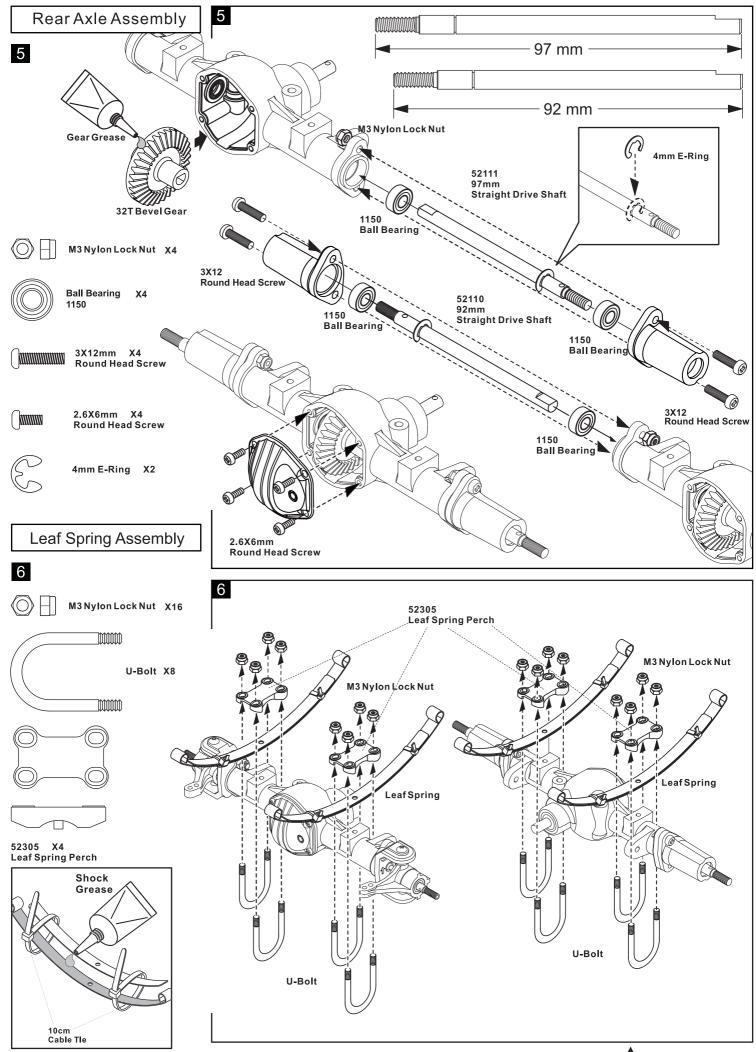


GS01 Axle Parts Tree Differential Bearing Cap X4

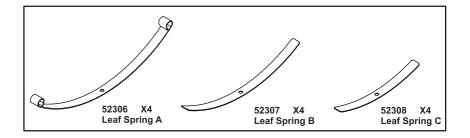


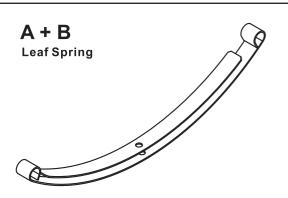






# Leaf Spring Setup Guide





# Soft Type Suspension

Low Speed & high traction Driving. Soft type leaf-spring setup can be used when vehicle needs high tractions and provides sooth suspension movements with maximum wheel travel level, it is recommend to us at trail courses.



Coution: Do not us this setup when high speed driving and hardcore drive, it will causing the Leaf-spring become deformed

Recommend Motor use: Over 35T Brushed motor



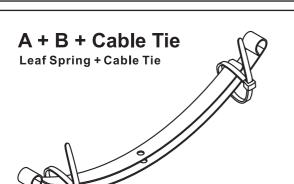








On Road



# Standard Type Suspension

Recommend Motor use:25T~30T Brushed motor





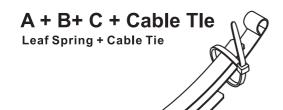






On Road





# Hard Type Suspension

Hard type leaf-spring setup provides stable handling works during high speed driving

Recommend Motor use: 19T~23T Brushed motor













### Servo Mount





M3 Nylon Lock Nut X4

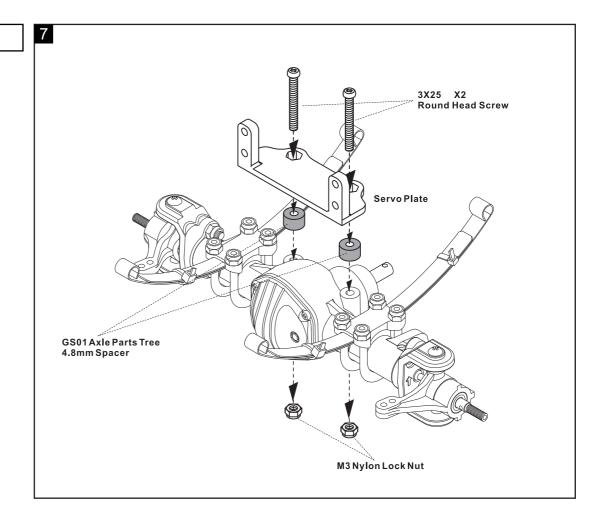


3X25 X2 Round Head Screw









8



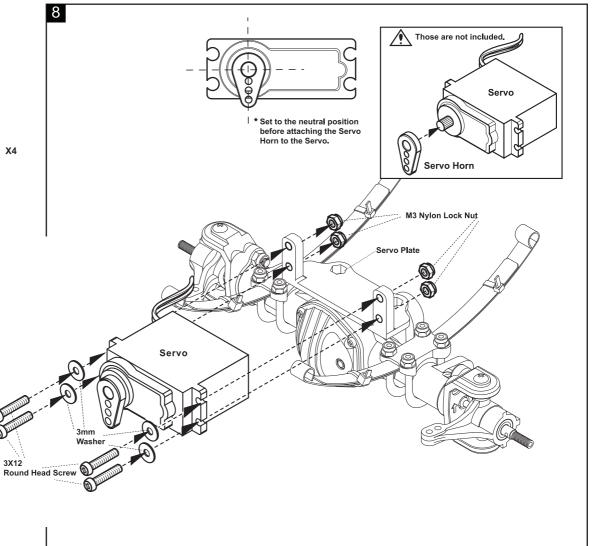
3mm X4 Washer



3X12mm X4 Round Head Screw



M3 Nylon Lock Nut X4



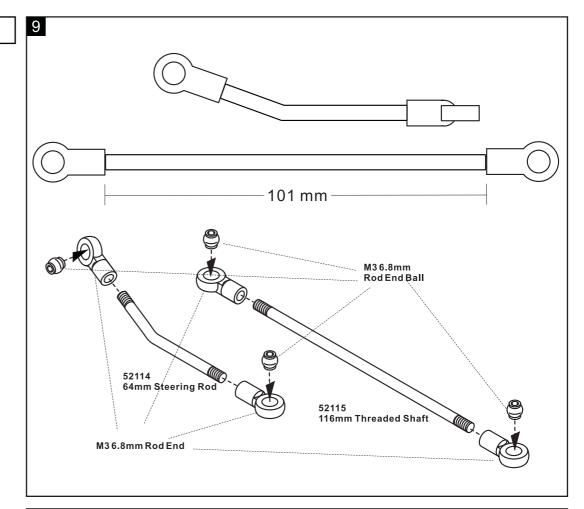


9



M36.8mm Rod End X4





10



3X16mm X1 Round Head Screw



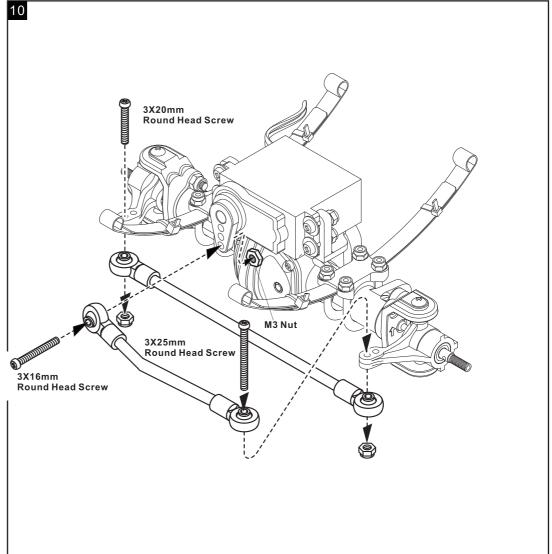
3X20mm X1 Round Head Screw

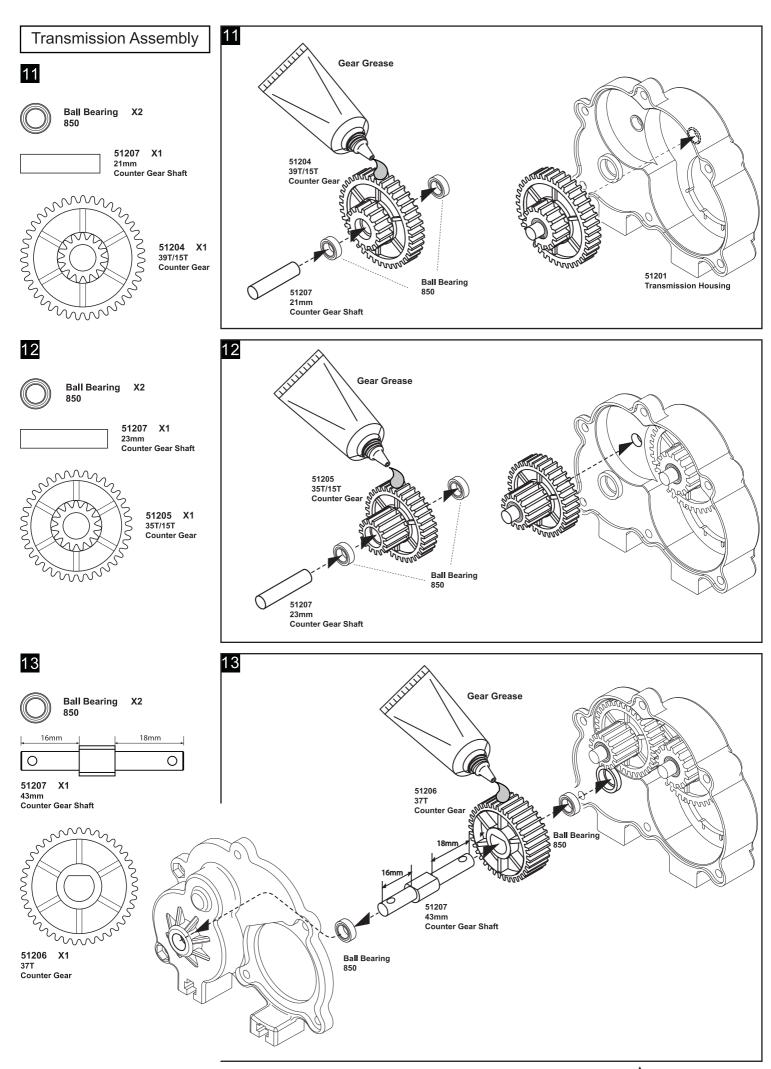


3X25mm X1 Round Head Screw









# Transmission Housing Assembly

14

3X8mm X1 Round Head Screw

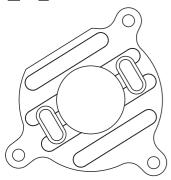
3X12mm X1 Round Head Screw

3X16mm X1 Round Head Screw

3X20mm X3 Round Head Screw



M3 Nut X6



51202 X1 Motor Plate

### Skid Plate

15



3X20mm X4 Round Head Screw



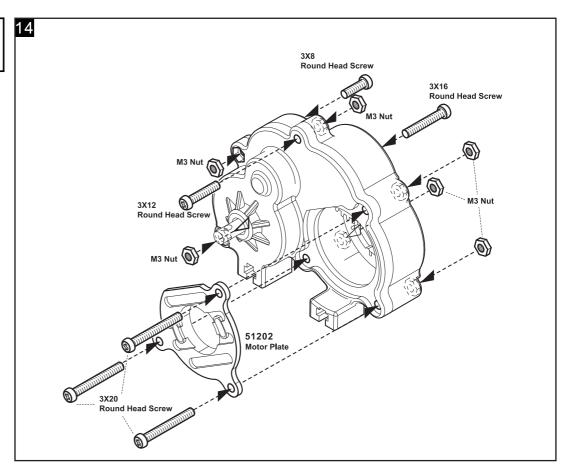


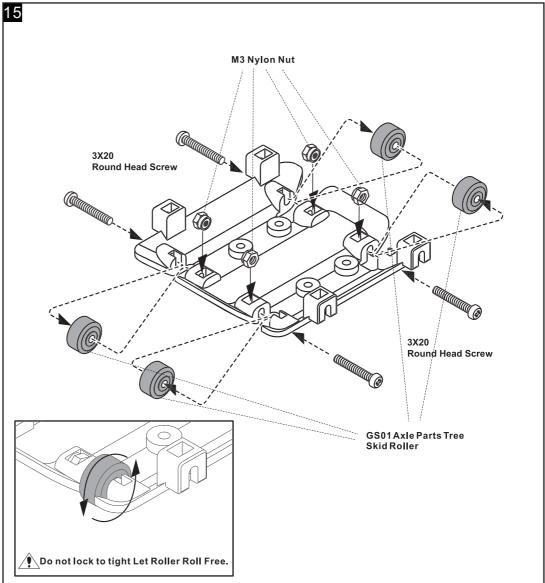
M3 Nylon Nut X4





GS01 Axle Parts Tree Skid Roller X4







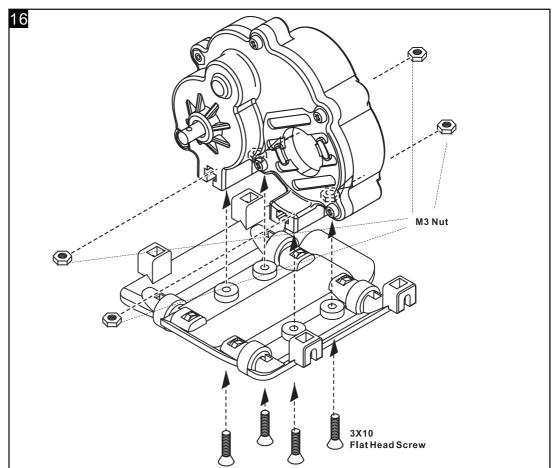
### Transmission Housing Assembly

16

3X10mm X4 Flat Head Screw



M3 Nut Χ4



### Motor

17

3X4mm X1 Socket Set Screw

3mm X2 Washer



3X10mm X2 Round Head Screw



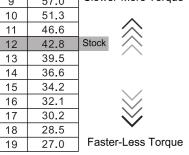


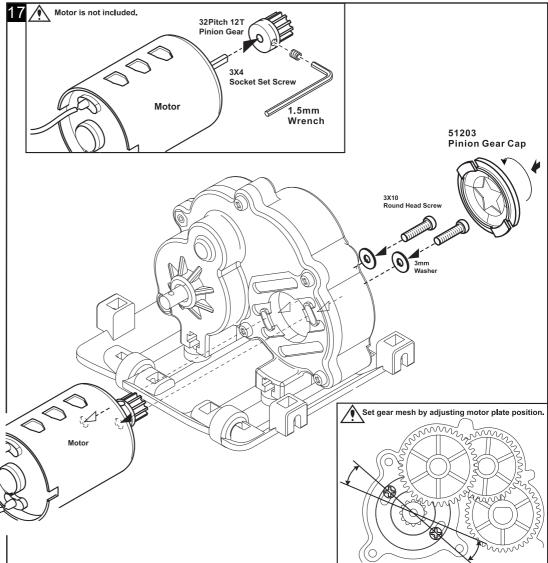
20142 X1 32Pitch 12T Pinion Gear

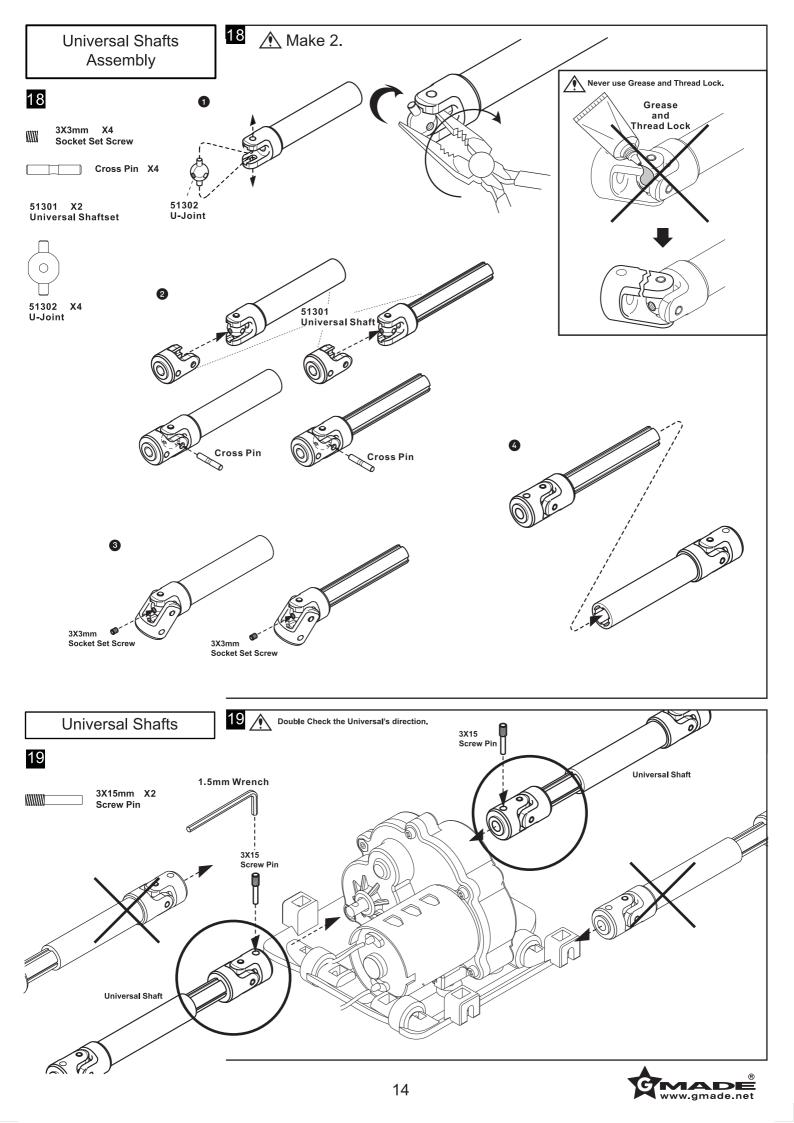
### ♠ Gear Ratio

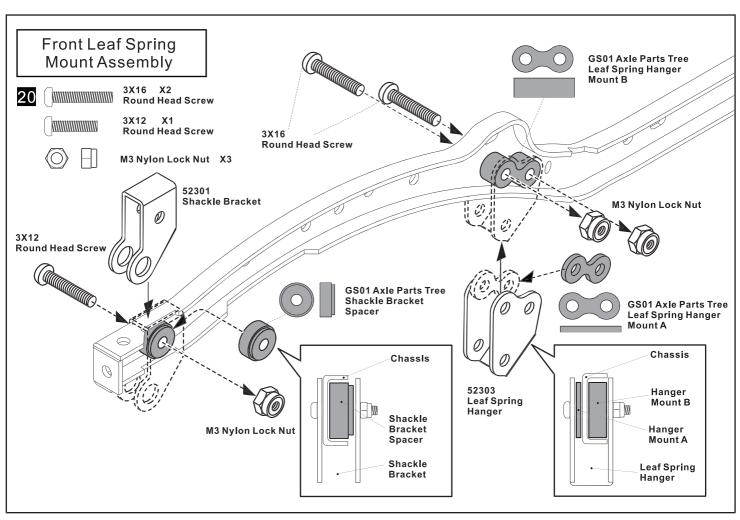
	57.0	9
	51.3	10
	46.6	11
1	42.8	12
	39.5	13
	36.6	14
	34.2	15
	32.1	16
	30.2	17
	28.5	18
	27.0	19

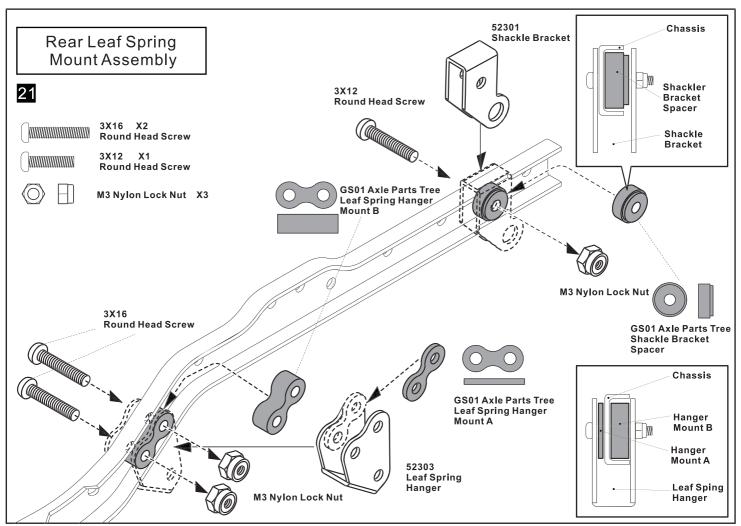
Slower-More Torque

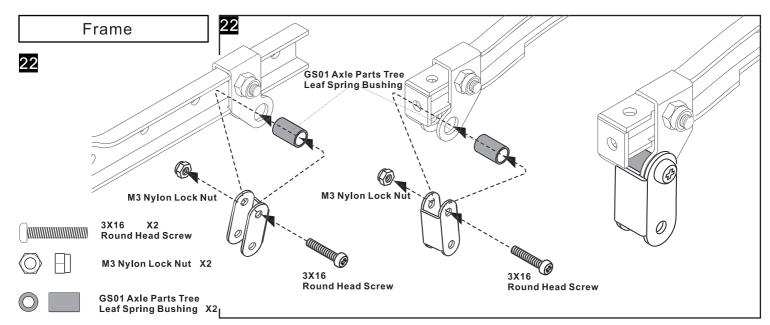










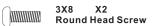


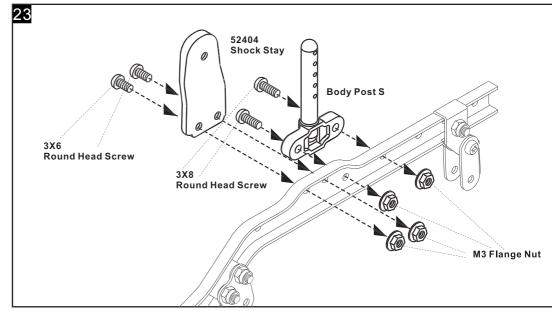
23









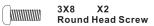


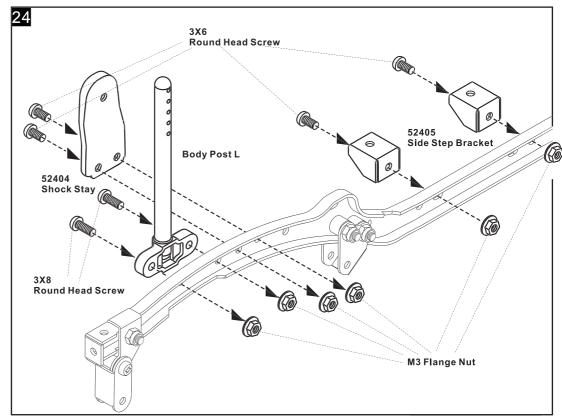
24

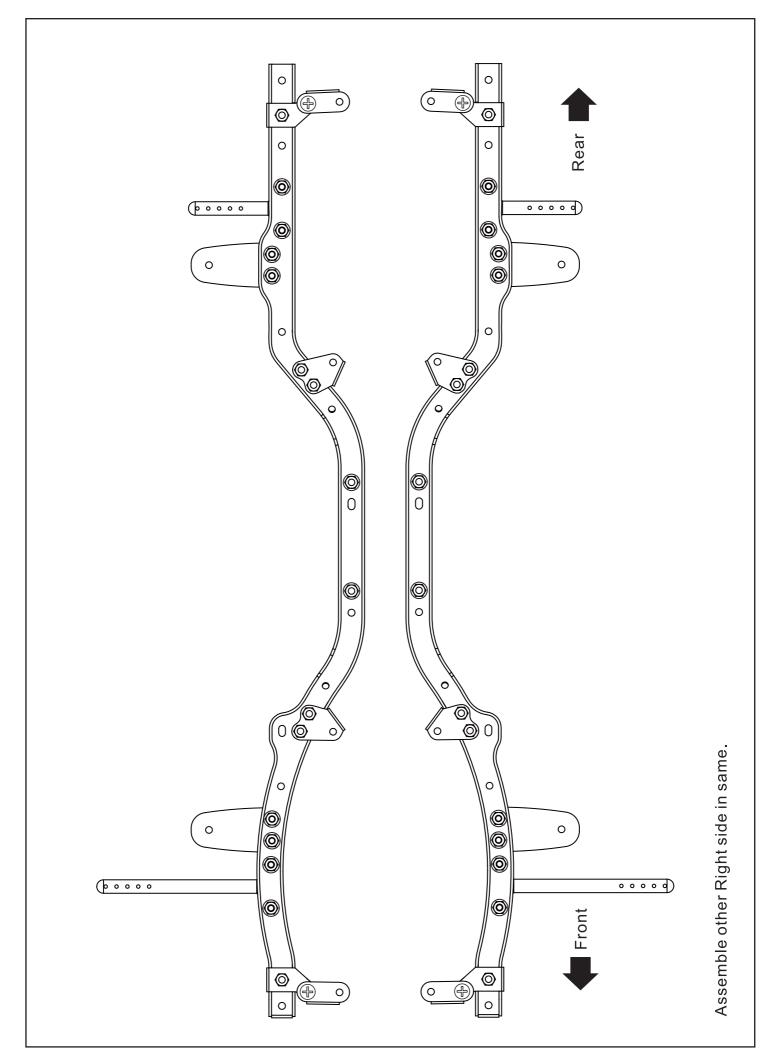


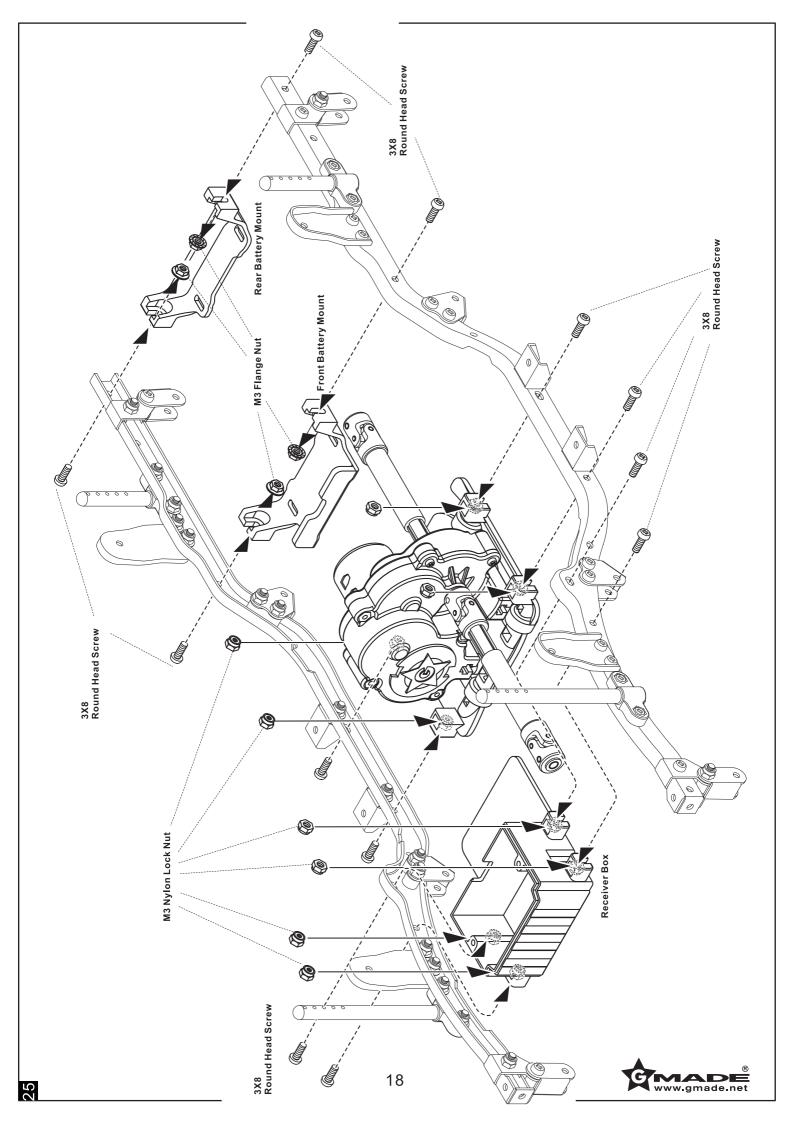
M3 Flange Nut X6

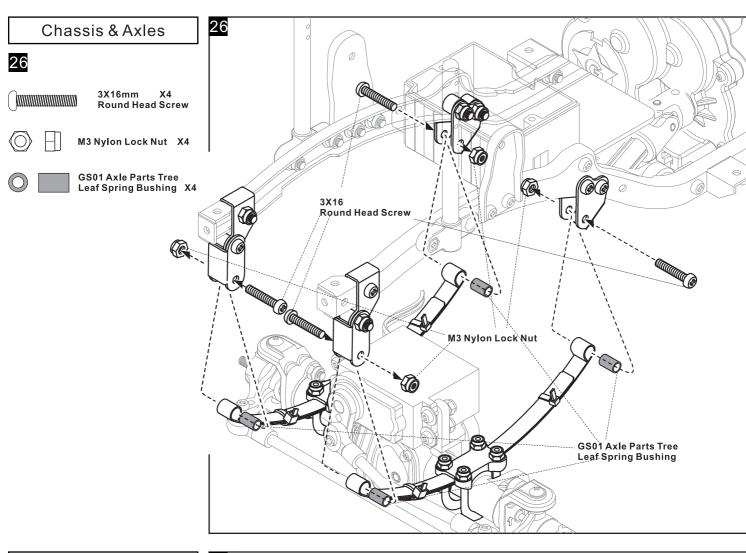










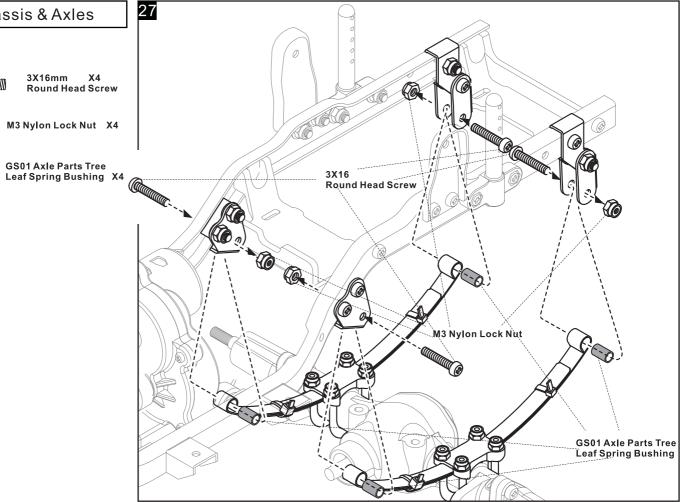


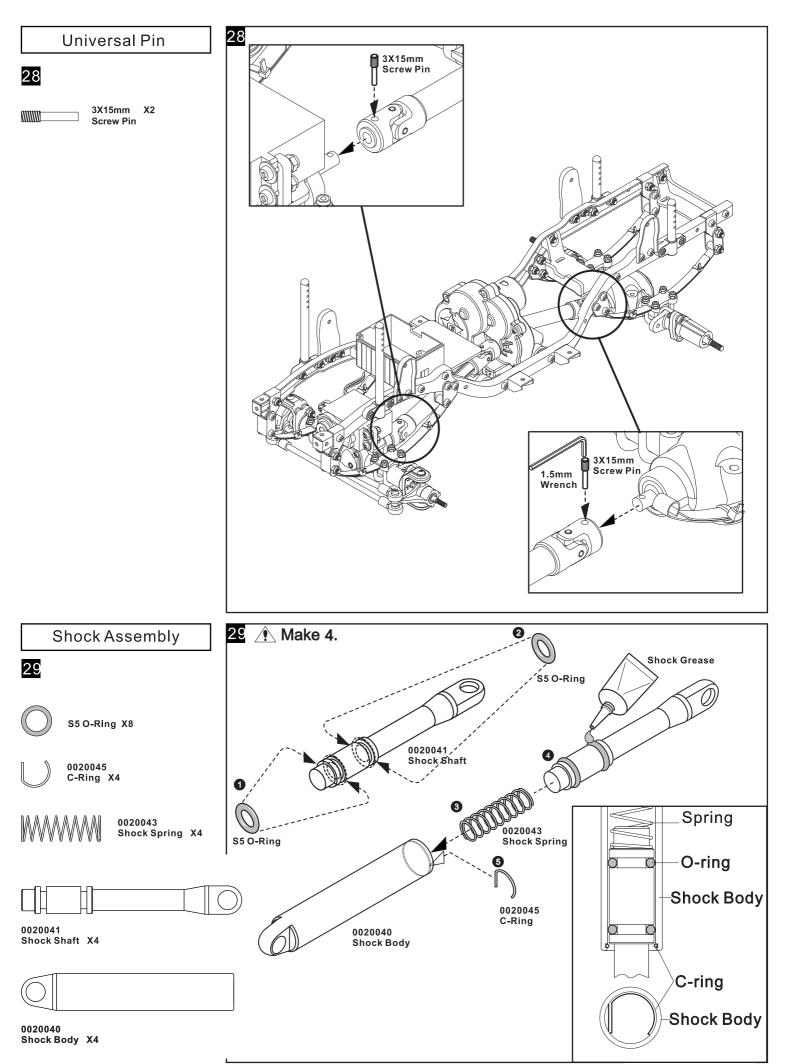
Chassis & Axles

3X16mm

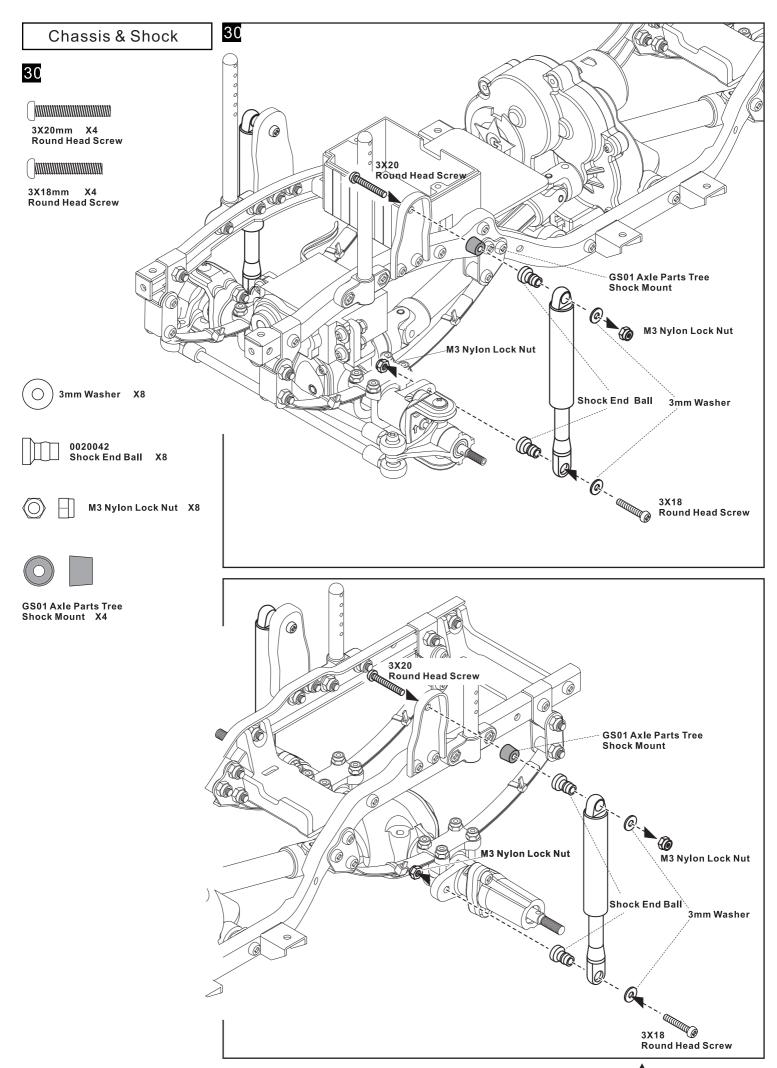
X4

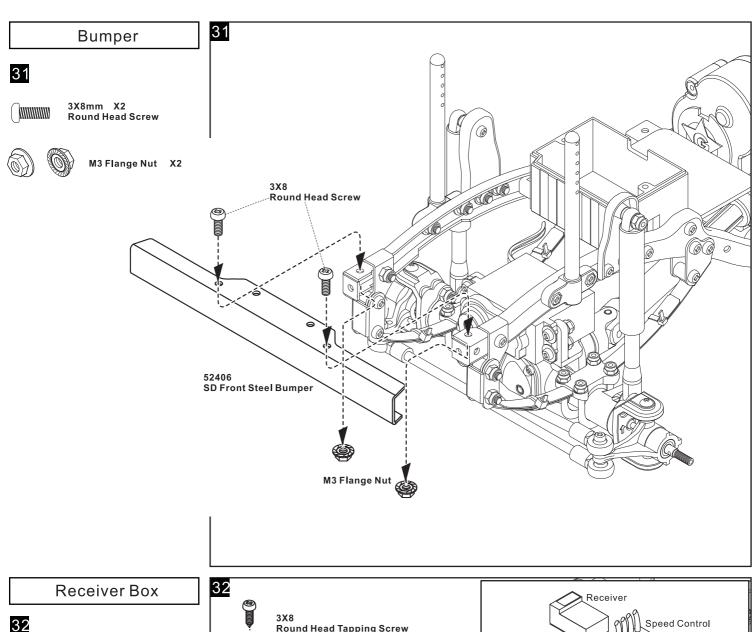
27

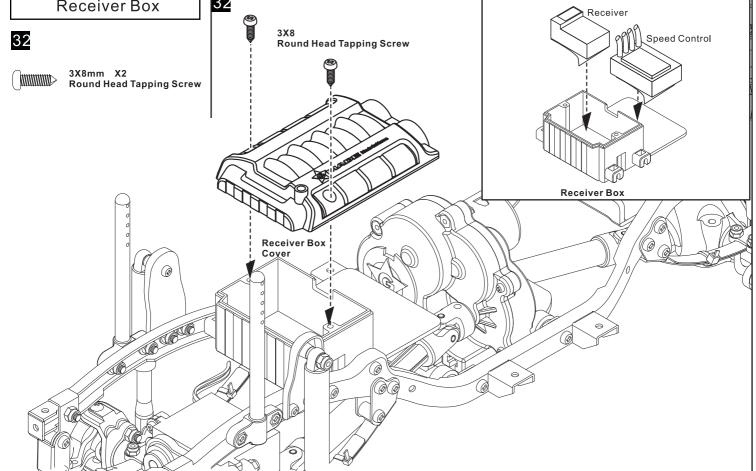


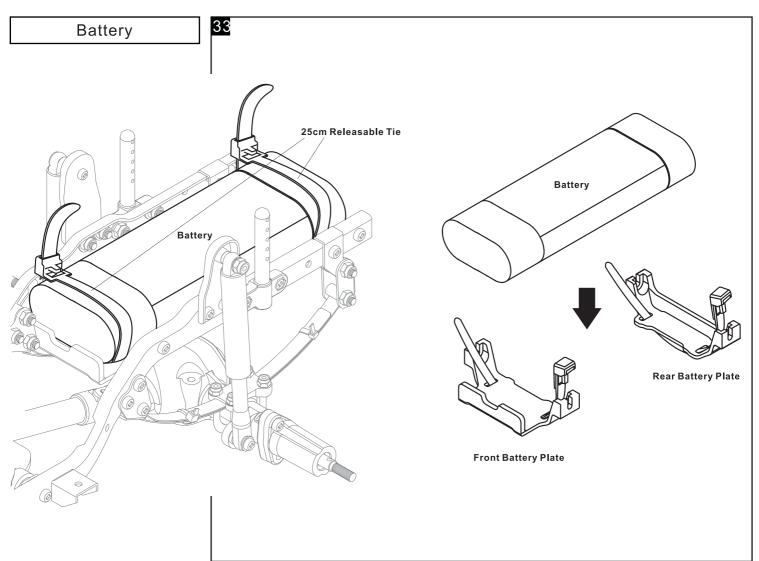


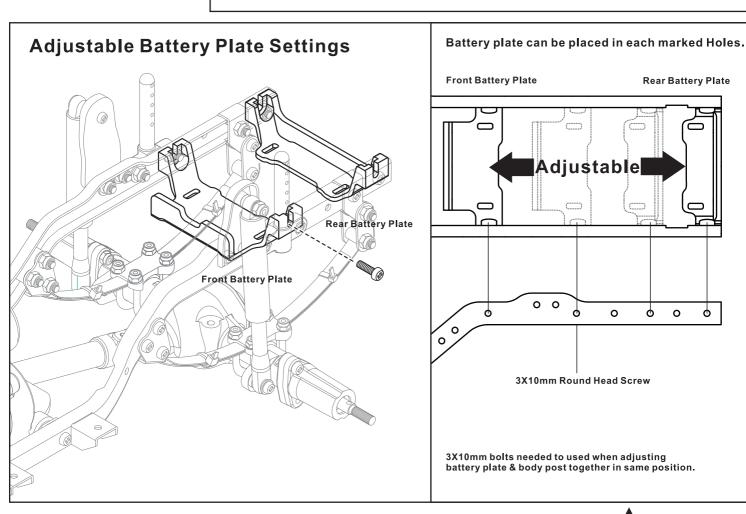


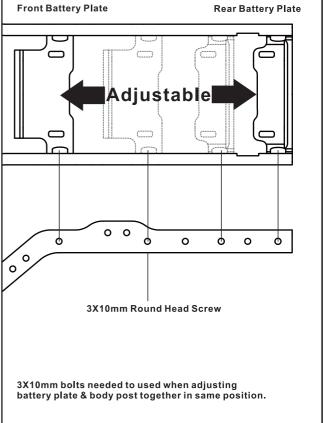




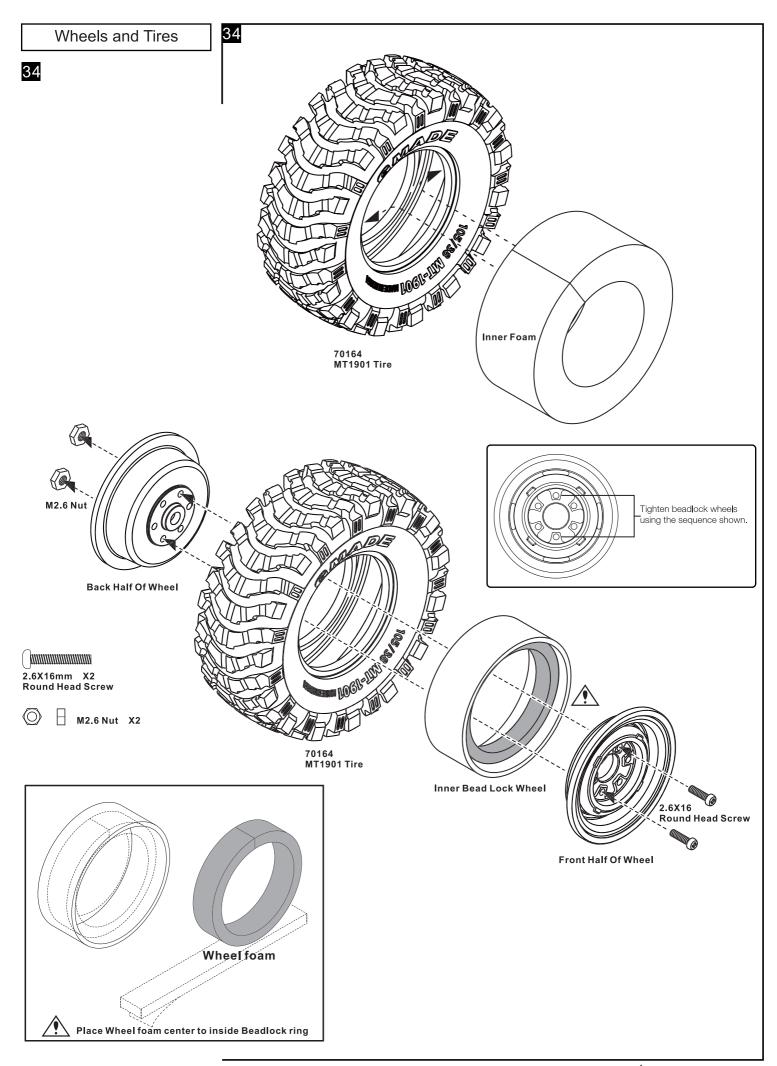


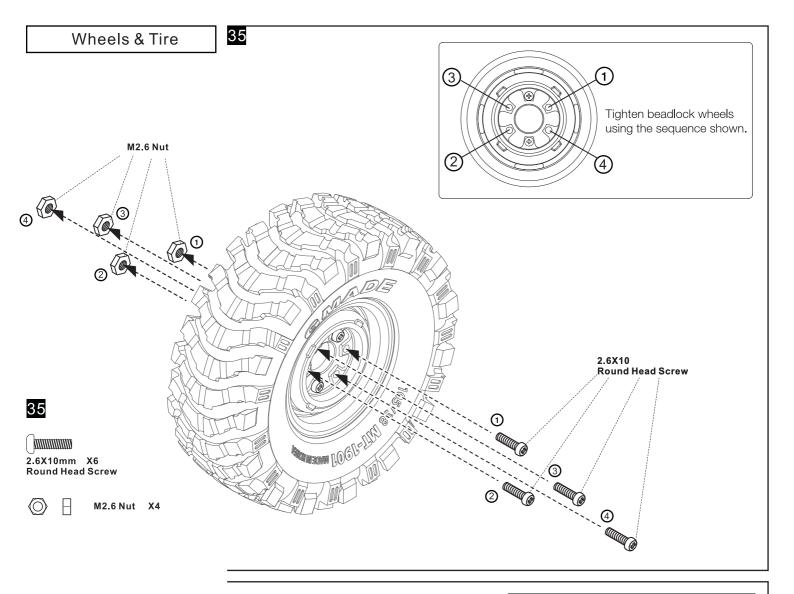


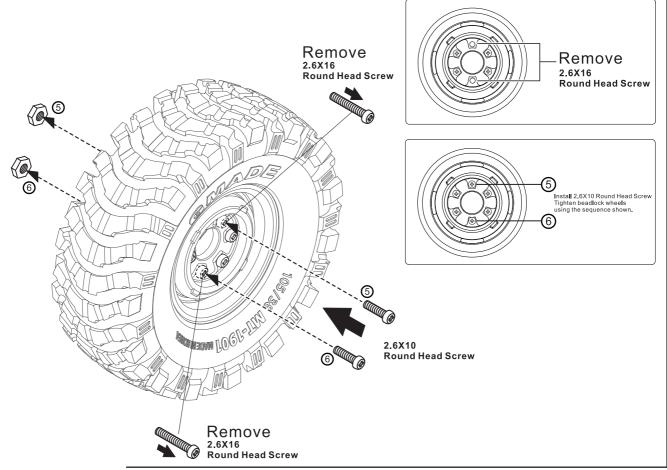


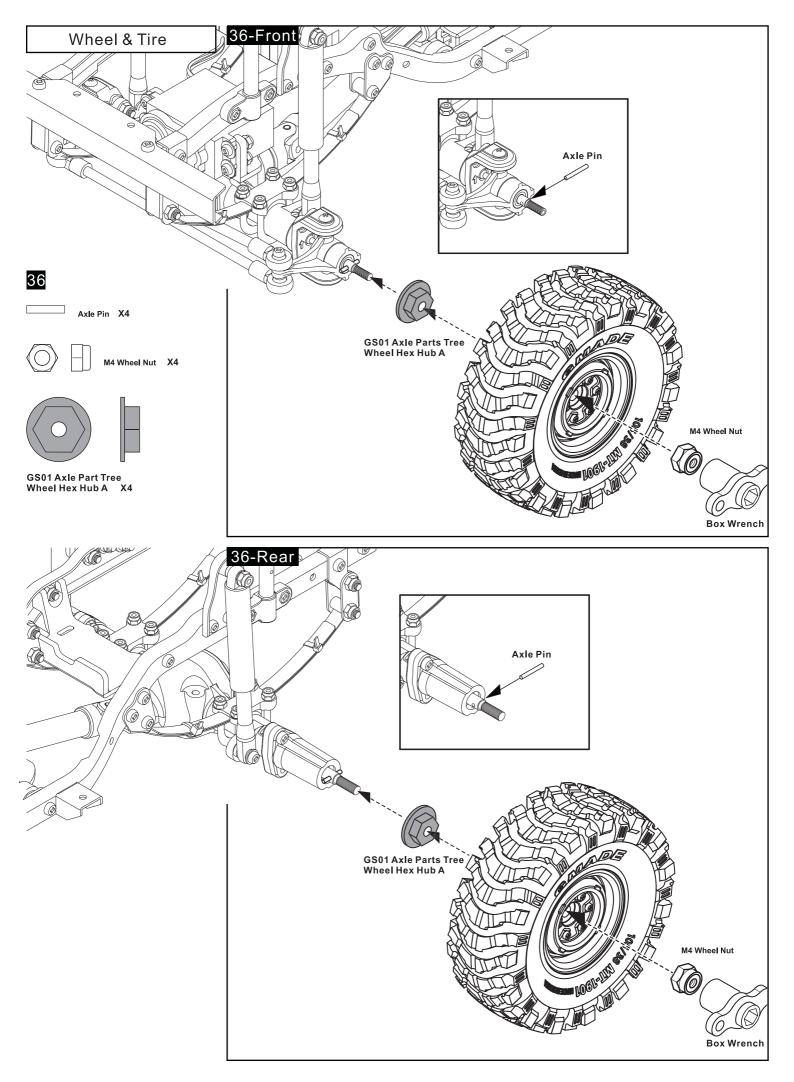


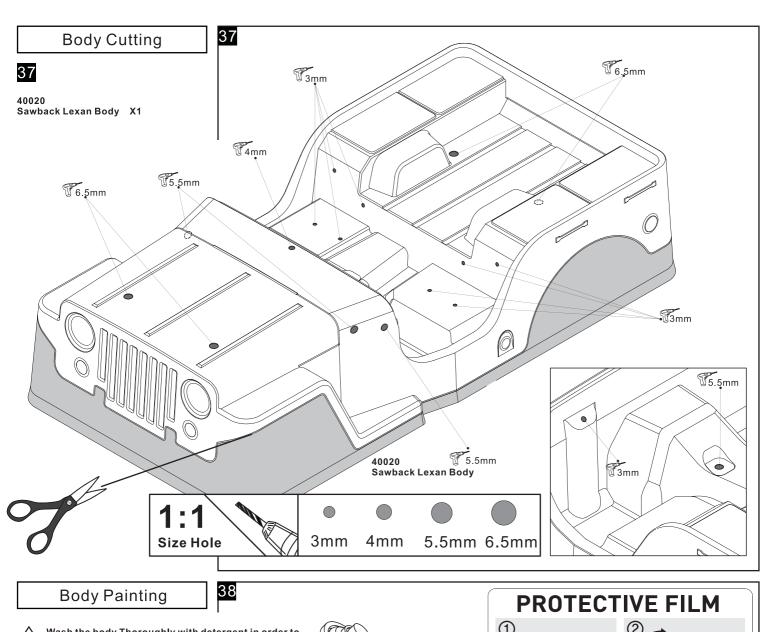


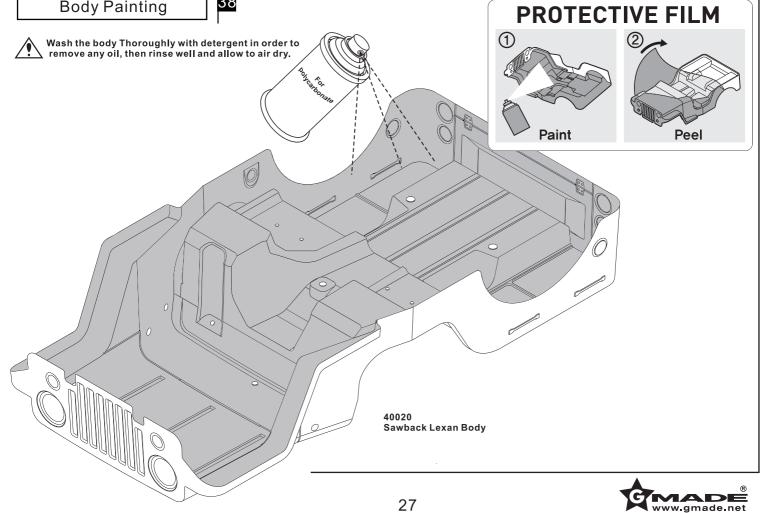


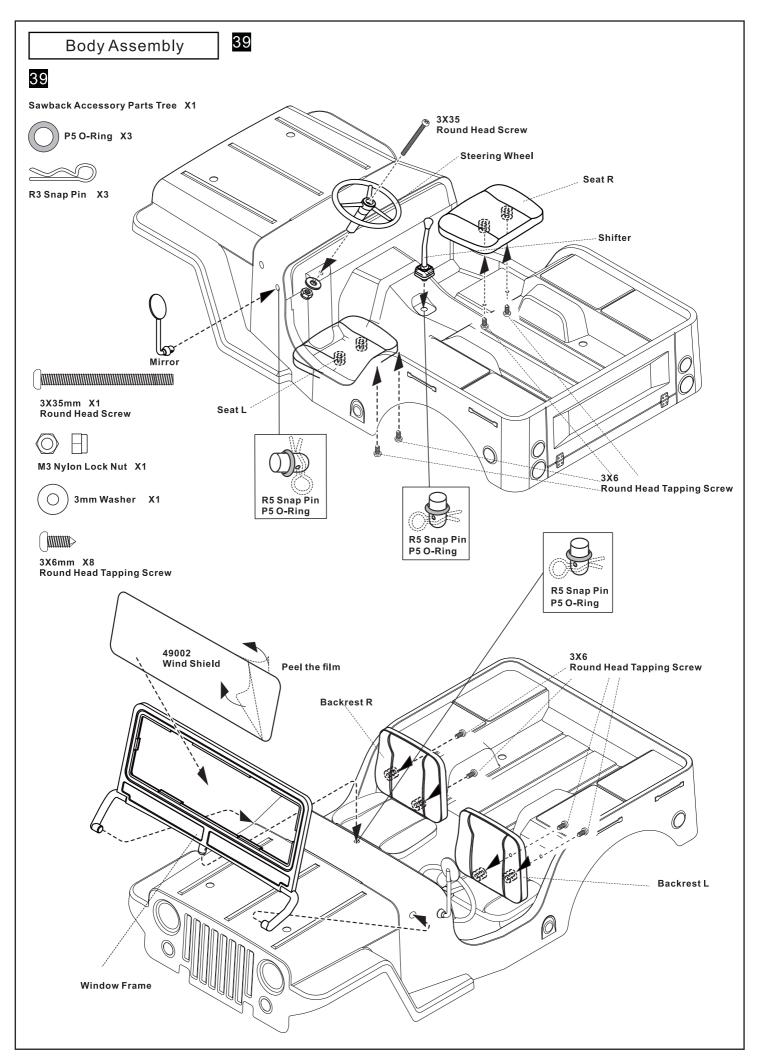




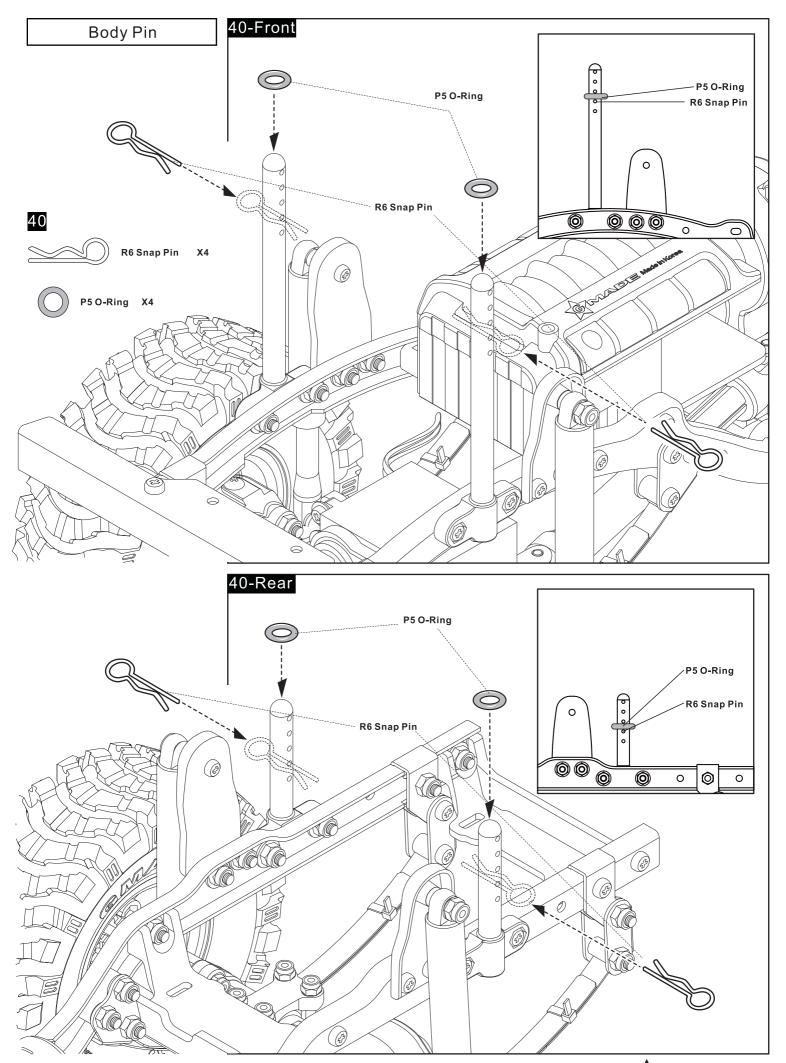


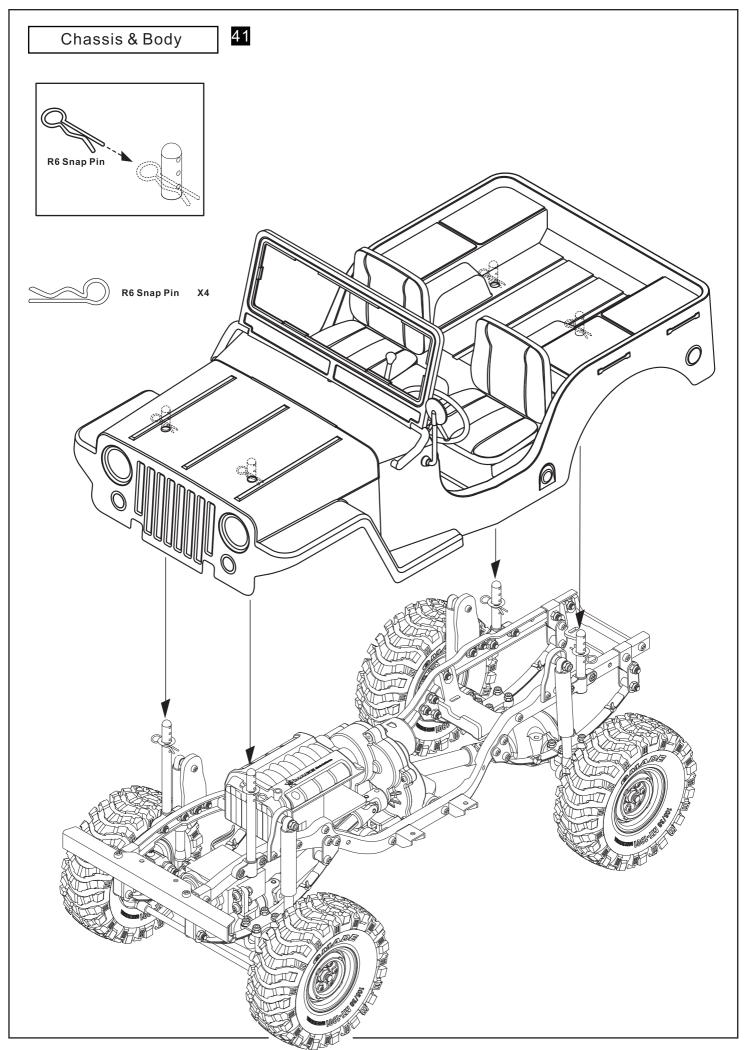












#### Parts Reference

### 52100 52101 GS01 Axle Housing (X2) 52102 GS01 Axle Parts Tree (X2) 51105 Knuckle Arm (X2) 52103 Differential Cover (X2) 52104 32T Bevel Gear (X2) 52105 14T Bevel Gear (X2) 52108 69mm Drive Shaft (X1) 52107 64mm Drive Shaft (X1) 52111 97mm Straight Drive Shaft (X1) 52110 92mm Straight Drive Shaft (X1) 51117 Wheel Axle Shaft (X2) 52113 14T Bevel Gear Shaft (X2) 52115 116mm Threaded Shaft (X1) 52114 64mm Steering Rod (X1) 20173 6.8mm Rod End Ball (X4) 20216 M3 6.8mm Rod End (X4) 52117 2.6X6mm Round Head Screw (X8) 3X10mm Round Head Screw (X4) 3X12mm Round Head Screw (X8) 3X16mm Round Head Screw (X1) 3X20mm Round Head Screw (X1) 3X25mm Round Head Screw (X3) 3X30mm Round Head Screw (X2) 2.5mm E-Ring (X2) 4mm E-Ring (X2) 3mm Washer (X4) 51120 3X10mm Step Screw (X4) M3 Nut (X1) M3 Nylon Lock Nut (X16) 52118 Ball Bearing 1150 (X14) Ball Bearing 850 (X4) 51603 Axle Pin (X4) 51602 M4 Wheel Nut (X4) 51200 51201 Transmission Housing Set (X1) 51202 Motor Plate (X1) 51203 Pinion Gear Cap (X1) 51204 39T/15T Counter Gear (X1) 51205 35T/15T Counter Gear (X1) 51206 37T Counter Gear (X1) 51207 21mm Counter Gear Shaft (X1) 23mm Counter Gear Shaft (X1) 43mm Counter Gear Shaft (X1) 20142 32Pitch 12T Pinion Gear (X1)

51208 3X8mm Round Head Screw (X1)

M3 Nut (X10)

3mm Washer

51209 Ball Bearing 850 (X6)

3X10mm Round Head Screw (X6)

3X12mm Round Head Screw (X1)

3X16mm Round Head Screw (X1)

3X20mm Round Head Screw (X3)

3X4mm Socket Set Screw (X1)

```
52300
52301 Shackle Bracket (X4)
52302 Shackle (X4)
52303 Leaf Spring Hanger (X4)
52305 Leaf Spring Perch (X4)
52306 Leaf Spring A (X4)
52307 Leaf Spring B (X4)
52308 Leaf Spring C (X4)
52312 10cm Cable Tie (X8)
52310 U-Bolt (X8)
      3X12mm Round Head Screw (X4)
      3X16mm Round Head Screw (X20)
      M3 Nylon Lock Nut (X40)
51302 U-Joint (X4)
51307 Cross Pin (X4)
      3X3mm Socket Set Screw (X4)
51306 3X15 Screw Pin (X4)
51301 Universal Shaft Set (X2)
51308 Universal Drive Hub (X4)
52400
52401 GS01 Frame Side Rail R (X1)
52402 GS01 Frame Side Rail L (X1)
52404 Shock Stay (X4)
52405 Side Step Bracket (X4)
52406 SD Front Steel Bumper (X1)
52407 GS01 Cross Member Parts Tree (X1)
      Chassis Skid Plate (X1)
      Front Battery Mount (X1)
      Rear Battery Mount (X1)
      Receiver Box Cover (X1)
      Receiver Box (X1)
50130 25cm Releasable Tie (X2)
52409 3X8mm Round Head Tapping Screw (X2)
      3X10mm Flat Head Screw (X4)
      3X6mm Round Head Screw (X12)
      3X8mm Round Head Screw (X22)
      3X10mm Round Head Screw (X2)
      3X18mm Round Head Screw (X4)
      3X20mm Round Head Screw (X8)
      3mm Washer (X8)
      M3 Flange Nut (X26)
      M3 Nylon Lock Nut (X20)
40020
40020 Sawback Lexan Body (X1)
49001 Sawback Accessory Parts Tree (X1)
      Seat L (X1)
      Seat R (X1)
      Backrest L (X1)
```

Backrest R (X1) Mirror (X1)

Steering Wheel (X1)

50116 3X6mm Round Head Tapping Screw (X8)

3X35mm Round Head Screw (X1)

Body Post L (X2)

Body Post S (X2)

Windshield (X1)

3mm Washer (X1)

R5 Snap Pin (X3) P5 O-ring (X7)

R6 Snap Pin (X8)

M3 Nylon Lock Nut (X1)

Shifter (X1)

# 23102 0020040 Shock Body (X4) 0020041 Shock Shaft (X4) 51512 Shock Grease (X1) 0020042 Shock End Ball (X8) 0020043 Shock Spring (X4) 0020045 C-ring (X4) S5 O-ring (X8) 70104 Front Half Of Wheel (X4) Inner Beadlock Ring (X4) Back Half Of Wheel (X4) Wheel Inner Foam (X4) 2.6X10mm Round Head Screw (X24) 2.6X16mm Round Head Screw (X2) M2.6 Nut (X24) 51504 Gear Grease (X1) 51513 1.5mm L-Wrench (X1) 51515 Box Wrench (X1) 70164 MT1901 Tire (X4) 49004 Sawback Decal (X1) Manual (X1)



Sinwol-3dong, 199-5 GMADE building 1F. Yangcheon-gu, Seoul 158-830 South Korea Tel. 02-2696-8170 Fax. 02-2696-8171

www.gmade.net

