

# GS02F Spider ASSEMBLEKIT





제품의 조립, 유지·보수, 안전한 작동은 사용자에게 책임이 있습니다.

반드시 해당 제품을 작동하는데 필요한 모든 안전사항을 준수하시기 바랍니다.

이 제품은 어린이용 장난감이 아닙니다. 사용 가능 연령을 꼭 확인하시기 바랍니다.

이 제품은 만 14세 이상의 사용자에게 적합한 제품입니다. 어린이의 손에 닿지 않도록 주의하시기 바랍니다.

또한, 만 18세 미만의 사용자는 제품의 주의사항을 충분히 숙지한 성인의 지도하에 제품을 조립·작동하여 주시기 바랍니다.

## 1. 제품을 조립하기 전에 설명서 전체를 읽고 숙지하도록 하십시오.

- 제품을 조립하기 전에 반드시 매뉴얼 전체를 숙지한 후 제품을 조립하도록 하십시오.
- 나이프나 가위, 리머 등 날카로운 도구를 사용할 경우 부상의 위험이 있습니다. 도구의 사용에 주의하시기 바랍니다.
- 본 제품은 작고 날카로운 부분이 많습니다. 사용 부주의로 인한 상해나, 부품을 삼켜 질식하는 등, 사고의 위험이 있으므로 조립시 어린이의 손이 닿지 않도록 주의하십시오.
- 본 제품은 전자장비 및 배터리가 포함되어 있지 않은 제품입니다. 전자장비 및 배터리 등 구동에 필요한 장비는 별도로 구매하여 주시기 바랍니다.
- 전자장비 및 배터리의 경우 해당 제품의 제조사에서 지시하는 사용 방법 및 주의 사항에 따라 주시기 바랍니다.
- 본 제품에 들어있지 않은 별도의 제품이나 도구(페인트 또는 접착제, 공구 등)를 사용 할 경우 해당 제품의 사용 방법 및 주의 사항에 따라 주시기 바랍니다.
- 별도로 구매한 전자장비 및 배터리, 페인트, 접착제 등의 오작동 및 사용 미숙으로 인한 문제 발생시 본 회사에서 책임지지 않습니다.

## 2. 작동 전 제품의 상태를 점검하여 주십시오.

- 제품 조립 후 볼트와 너트가 잘 조여있는지 확인해주십시오.
- 제품의 오작동을 피하기 위해 송신기와 수신기에는 새 배터리 또는 완전하게 충전된 배터리를 사용해주십시오.  
소모된 배터리는 송,수신 기능을 저하시키고, 심할 경우 조종불능이 되어 심각한 사고를 일으킬 수 있습니다.
- 전선이 손상된 배터리를 사용하지 마십시오.  
배터리의 전선이 마모되었거나, 찢힌 부분이 있을 경우, 회로에 합선을 일으킬 수 있습니다. 심할 경우 화재를 유발할 수 있습니다.
- 규격에 맞는 알카라인 건전지 혹은 충전지를 사용하십시오.  
부적합한 건전지 또는 충전지의 사용은 차의 전자장비에 손상을 줄 수 있습니다.
- 모든 모터의 작동 방향이 조작한 방향으로 작동하는지 확인해 주십시오. 만약 다르다면 방향부터 조정해주십시오.
- 본 제품에는 회전하는 부분과 날카로운 금속 부품이 많습니다. 상해를 입지 않도록 주의하십시오.
- 사용하기에 앞서 항상 작동 범위 체크를 수행하십시오. 무선 조종 시스템의 문제 또는 제품에 적합하지 않은 설정은 작동 불능을 일으킬 수 있습니다.

### 간단한 범위 테스트 방법

- ① 친구가 제품을 잡고 있게 하거나, 힘이 거치대나 다른 물체와 닿지 않게 고정하거나 놓아두십시오.
- ② 멀리 떨어지면서 송신기의 조작대로 서보가 움직이는지 체크하십시오.
- ③ 비 정상적인 작동을 발견하면 범위 체크를 마무리 하십시오.

## 3. 제품을 작동시키기 위해 적합한 장소를 선정하십시오.

- 저역이나 시야가 보이지 않는 상황에서 작동시키지 마십시오.
- 다음과 같은 장소에서 작동하지 마십시오.
  - 근처의 다른 지역에서 무선 조종 활동이 발생하고 있는 곳.
  - 일반 도로나 고속 도로
  - 고압선, 방송 통신용 안테나
  - 사람이나 동물 근처
  - 집안이나 좁고 막힌 장소
  - 병원이나, 주거 지역, 공원 등 제품 소음이 다른 이에게 방해할 줄 수 있는 지역
- 물이 흐르거나 고인장소에서 주행 시 전자 부품이 물에 젖지 않도록 주의 하십시오.
- 제품을 레이스 트랙이나 확 트이고 안전한 공간에서 작동하시는 것을 권장합니다. 적합하지 않은 장소에서 작동 시 심각한 교통사고, 인적 상해, 대물 손실을 일으킬 수 있습니다.

## 4. 순서에 맞게 제품을 작동하십시오.

- 순서에 맞게 송신기의 전원을 켜고 끄도록 하십시오.
  - 시작시엔 송신기의 전원을 먼저 켜고 배터리를 연결 한 후 변속기의 전원을 켜도록하십시오.
  - 종료시엔 변속기의 전원을 끄고 배터리를 제거 한 후 송신기의 전원을 끄도록 하십시오.
- 전선을 거꾸로 연결하거나, 배터리를 분해하지 마십시오. 제품 손상이나 누전을 일으킬 수 있습니다.
- 제품의 오작동을 피하기 위해 주행 전에 스티어링과 스로틀이 정상 작동하는지 확인해주십시오.
- 작동 후 모터, 변속기, 배터리가 뜨거울 수가 있습니다. 화상에 주의하십시오.

## 5. 제품의 사용 후 깨끗하게 정비하고 안전한 장소에 보관하십시오.

- 사용 후 모든 볼트, 너트 등은 풀림이 없는 정상적인 상태인지 체크해주십시오.
- 제품을 사용하지 않을 때는 배터리를 제거 해주십시오. 과 방전, 누전 등으로 배터리와 변속기에 손상을 줄 수 있습니다.
- 제품에 과도한 먼지나 이물질이 없도록 깨끗하게 유지해주십시오, 이를 통해 차체 수명을 연장시킬 수 있습니다.
- 모든 공구를 사용할 때 항상 주의하십시오, 상해를 막기 위해 세심한 주의가 요구됩니다.
- 제품을 뜨거운 곳이나 습한 곳에 보관하지 마십시오. 직사광선도 피해주십시오.
- 제품의 손상을 막기 위해서 (주)지메이드코리아에서 출시하는 음션파트나 부품 외의 것으로 개조하지 마십시오.



## 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 your RC model in public places like hospital and residential areas. It can cause great noise
- Never operate your RC model indoor. 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 thoroughly.
- 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.

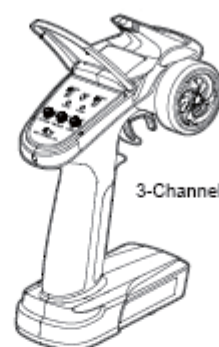
### ■ Safety Precautions (Before you operate RC model, check the following.)

- Check to ensure nuts 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 control.
- Be sure to use a radio frequency for ground model – 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.

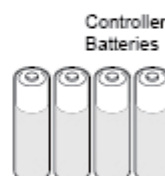
### ■ Cautions While Operating

- 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.

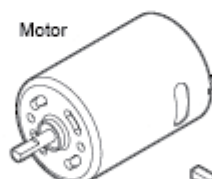
## NEEDED TO COMPLETE



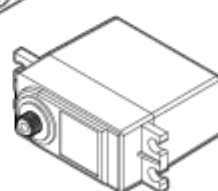
3-Channel radio system



Controller Batteries

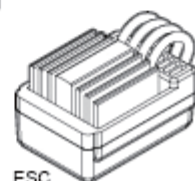


Motor

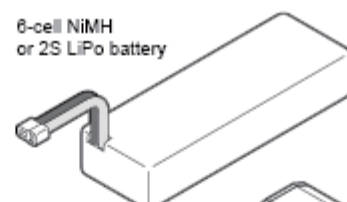


Receiver

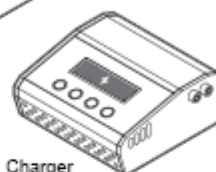
Servo x 2



ESC

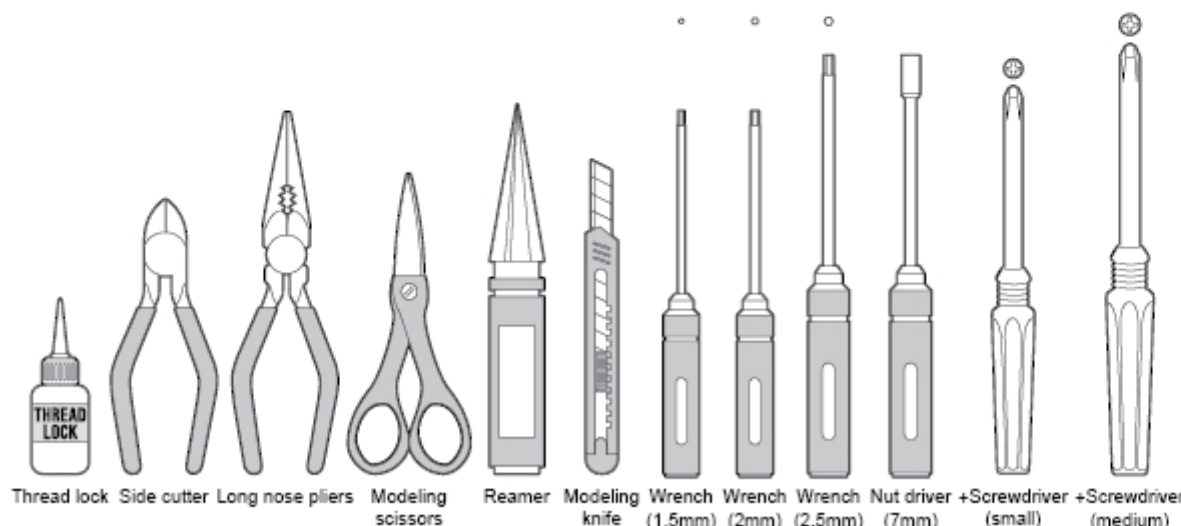


6-cell NiMH or 2S LiPo battery



Charger

## TOOLS NEEDED



Thread lock Side cutter Long nose pliers Modeling scissors Reamer Modeling knife Wrench (1.5mm) Wrench (2mm) Wrench (2.5mm) Nut driver (7mm) +Screwdriver (small) +Screwdriver (medium)

## TOOLS INCLUDED

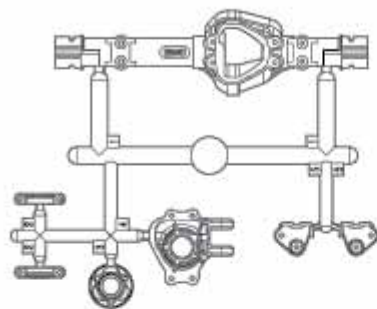


GM51504 Gear grease

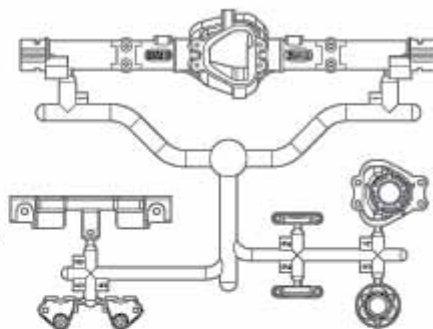


GM20220 Shock oil

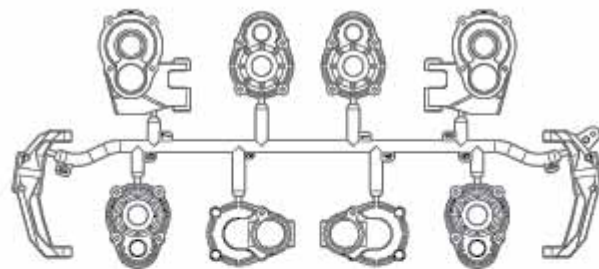
# PARTS REFERENCE



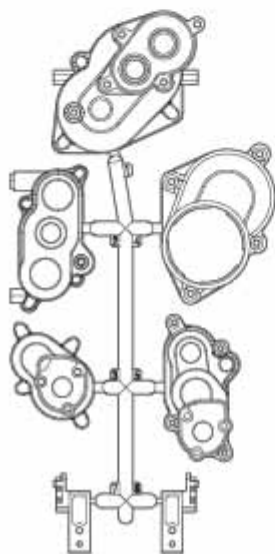
**GM60061P**  
GA44P front axle housing parts tree x1



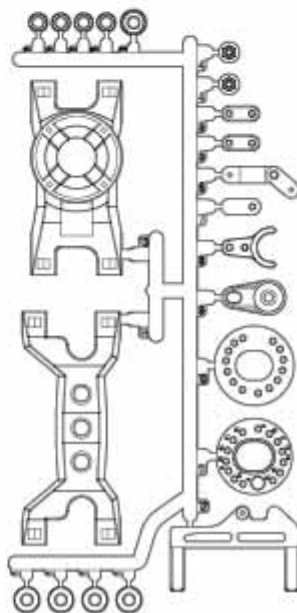
**GM60062P**  
GA44P rear axle housing parts tree x1



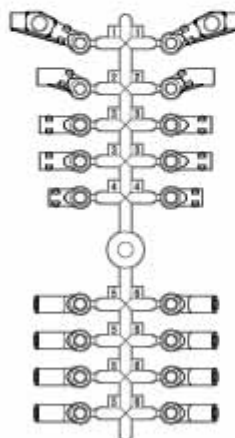
**GM60239**  
GA44P portal axle parts tree x1



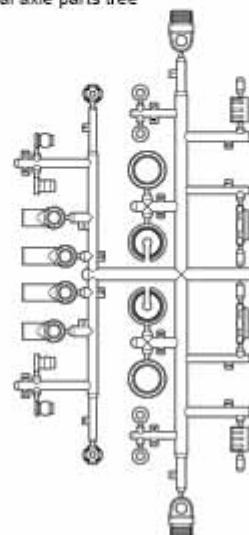
**GM60220**  
GS02F transmission housing parts tree x1



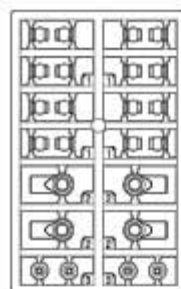
**GM60221**  
GS02F inner fender braces  
& transmission hardware parts tree x1



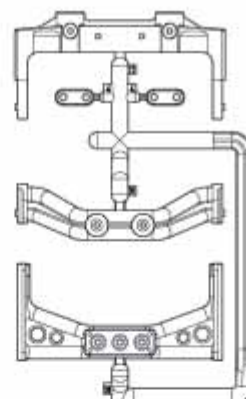
**GM60022**  
M4 5.8mm rod end set x2



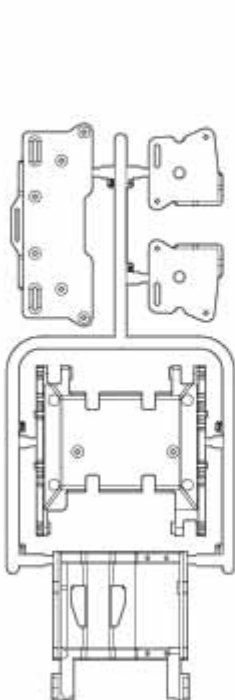
**GM60079**  
SD shock parts tree x2



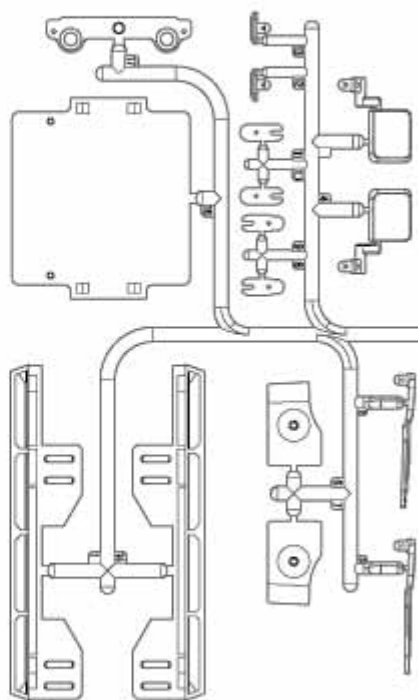
**GM60023**  
5.8mm ball parts tree x2



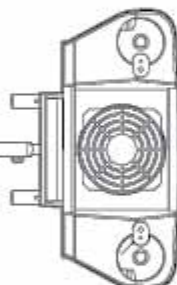
**GM0020078**  
RSD shock delrin pistons x2



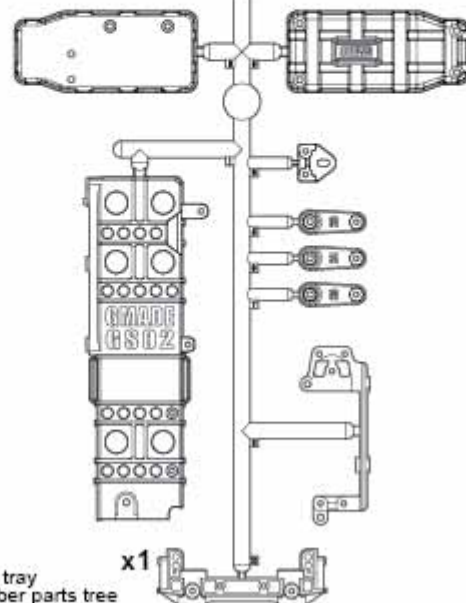
**GM60219**  
GS02F skid plate  
& battery tray parts tree x1



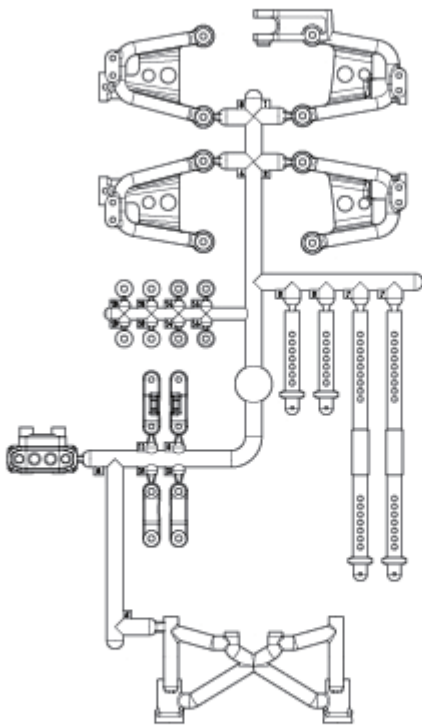
**GM60254**  
Exterior detail parts tree x1



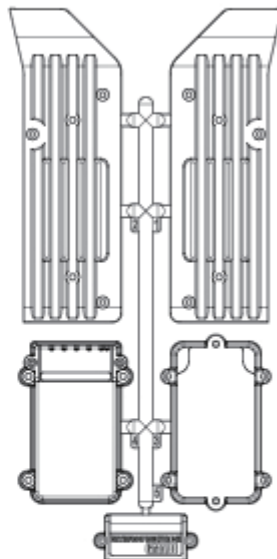
**GM60078**  
GS02 battery tray  
& cross member parts tree x1



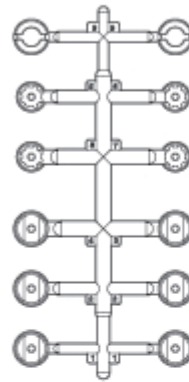
# PARTS REFERENCE



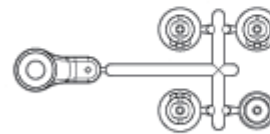
**GM60077**  
GS02 shock hoop & body post parts tree x1



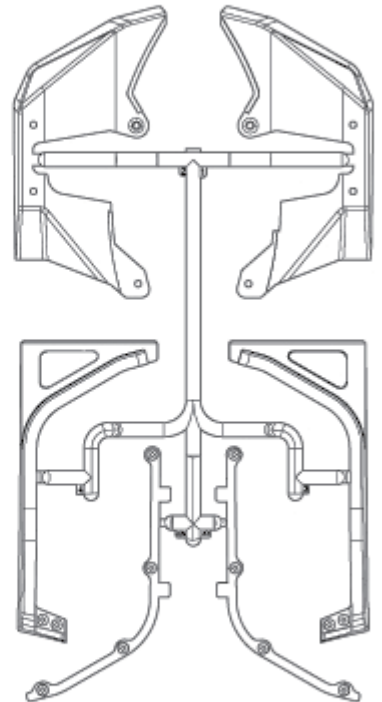
**GM60076**  
GS02 side plate parts tree x1



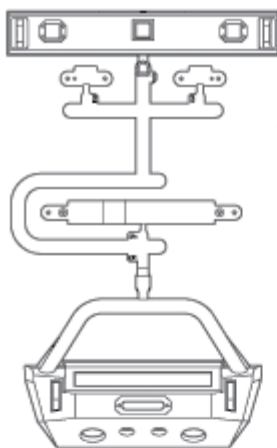
**GM60084**  
Universal shaft parts tree x2



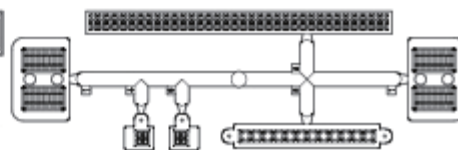
**GM60001**  
16.5mm servo saver parts tree x1



**GM60255**  
Front inner & over fenders x1



**GM60256**  
Front & rear bumpers x1



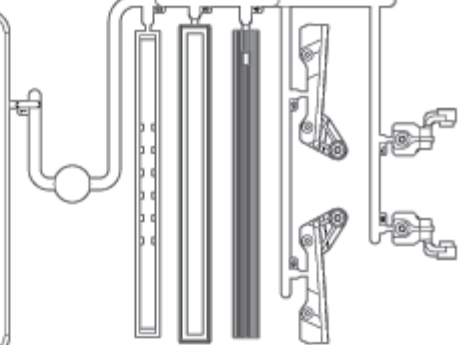
**GM60199**  
LED light bucket & LED light lenses x1



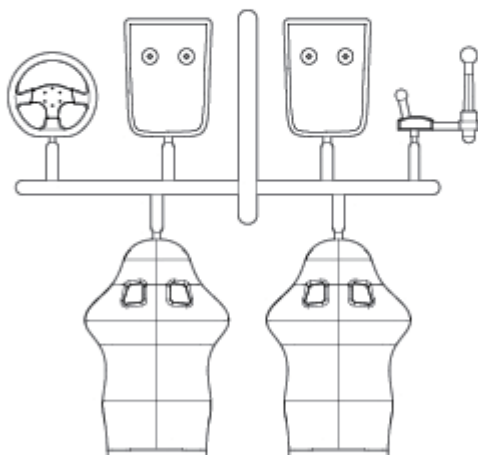
**GM70574**  
1.9 NR03 wheel x4



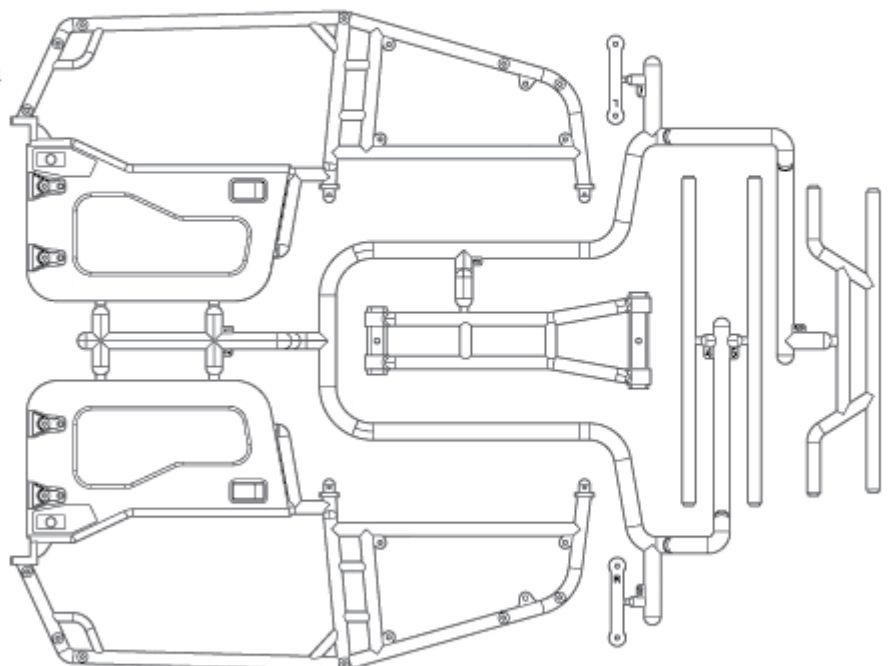
**GM60247**  
Off-road roof rack & LED light bar x1



**GM60248**  
Spider roll cage parts tree x1



**GM60026**  
Cockpit accessory parts tree x1





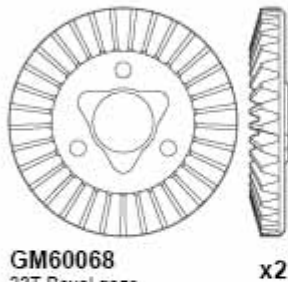
# PARTS REFERENCE



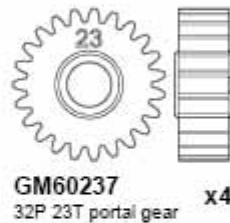
**GM60067**  
11T Bevel gear x2



**GM60236**  
32P 12T portal gear x4



**GM60068**  
33T Bevel gear x2



**GM60237**  
32P 23T portal gear x4



**GM60241**  
CVA drive shaft 64mm x1



**GM60241**  
CVA drive shaft 92mm x1



**GM60246**  
GA44P straight drive shaft 101mm x2



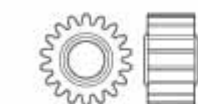
**GM60213**  
Transmission output front shaft 55.3mm x1



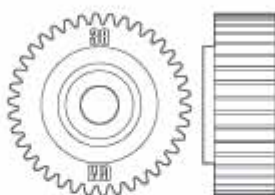
**GM60214**  
Transmission output rear shaft 63.1mm x1



**GM60215**  
Transmission shaft 117.9mm x1



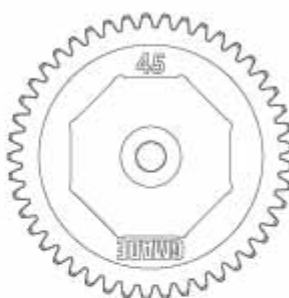
**GM60069**  
48P 18T gear x1



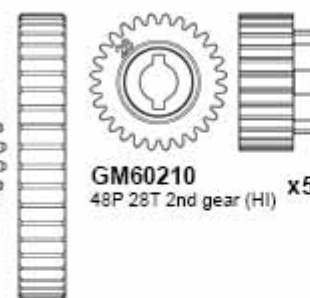
**GM60071**  
48P 38T 1st gear (LO) x1



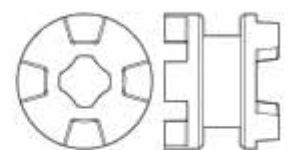
**GM60072**  
32P 13T pinion gear x1



**GM60080A**  
32P 45T Spur gear x1



**GM60210**  
48P 28T 2nd gear (HI) x5



**GM60211**  
HI/LO sliding clutch x1



**GM60089**  
Upper link M4x6.8x55mm x1



**GM60222**  
Lower link M4x6.8x78mm x2



**GM60249**  
Upper link M4x6.8x120mm x2



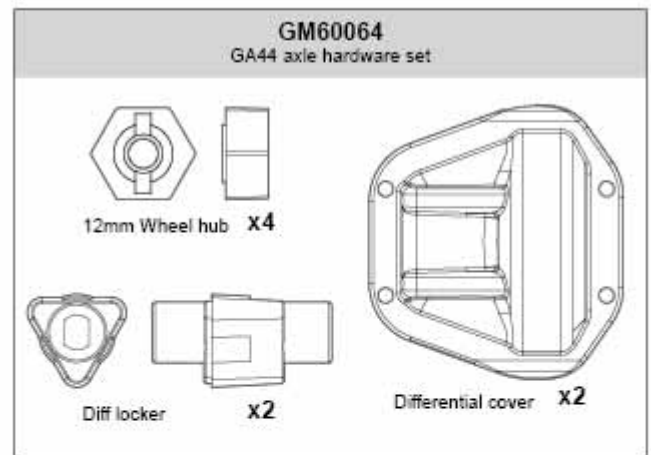
**GM60250**  
Lower link M4x6.8x122mm x2



**GM60087**  
Slipper disk 20x1.5mm x2



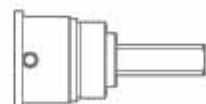
**GM60088**  
Slipper pad x2



**GM60102**  
CVA drive coupler x2



**GM60110**  
CVA pin retaining ring x2



**GM60241**  
GA44P CVA input shaft 25mm x2



**GM60242**  
GA44P front portal stub axle 39mm x2



**GM60243**  
GA44P rear portal stub axle 37.6mm x2

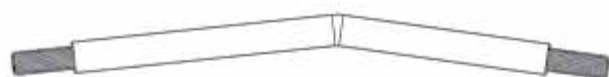


**GM60216**  
Slipper shaft 37.8mm x1



**GM60217**  
Transmission fork shaft 40.2mm x1

# PARTS REFERENCE



**GM60264**  
Panhard rod 79mm x1



**GM60093**  
5.8mm ball stud M3x5mm x1



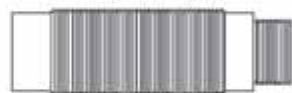
**GM60100**  
Steering rod M4 6.8x69mm x1



**GM60100**  
Steering rod M4x6.8x115mm x1



**GM0020074**  
Shock shaft 3.5x41.4mm x4



**GM60265**  
SD 80mm shock body x4



**GM0020067**  
Shock spring 15x54mm medium x4



**GM60081**  
GS02 frame side rail R x1



**GM60081**  
GS02 frame side rail L x1



**GM60101**  
Universal joint x2



**GM60101**  
Universal joint cup x4



**GM60111**  
Input universal joint 28mm x2



**GM60119**  
Universal joint drive coupler x4



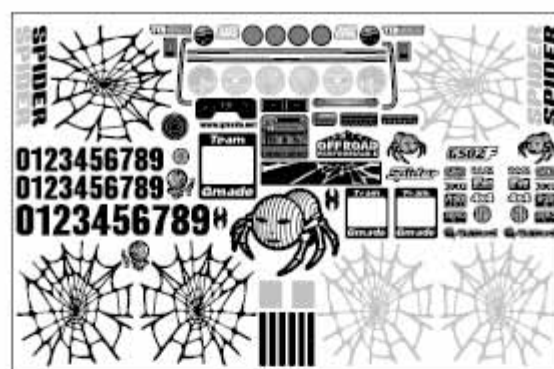
**GM60226**  
Servo saver spring 9x9.5mm x1



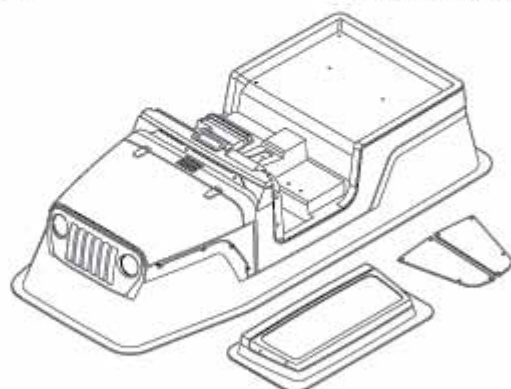
**GM70594**  
Inner foam x4



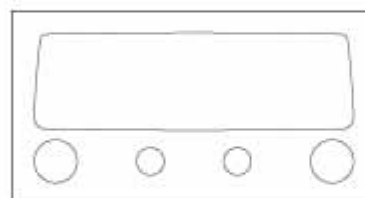
**GM70594**  
1.9 MT 1905 off-road tire x4



**GM60267**  
Spider decal sheet x1



**GM60258**  
Spider clear body x1



**GM60258**  
Spider masking tape x1






























































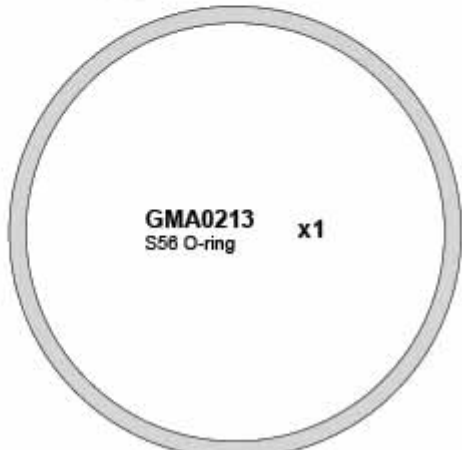
**GM60117**  
Velcro strap 16x220mm x1



**GM60104**  
Foam seal x1



# PARTS REFERENCE

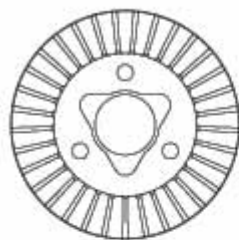
	<b>GMA0011</b> 2.5x8mm round head wrench bolt	x18		<b>GMA0082</b> 2x8mm Wrench bolt	x14		<b>GMA0191</b> M3 flange nut	x4
	<b>GMA0012</b> 2.5x8mm Round head wrench bolt	x4		<b>GMA0093</b> 2.5x8mm Wrench bolt	x28		<b>GMA0158</b> 3mm Washer	x5
	<b>GMA0013</b> 2.5x10mm Round head wrench bolt	x8		<b>GMA0094</b> 2.5x10mm Wrench bolt	x19		<b>GMA0210</b> 4mm conical spring washer	x4
	<b>GMA0017</b> 3x8mm Round head wrench bolt	x2		<b>GMA0095</b> 2.5x12mm Wrench bolt	x8		<b>GMA0163</b> Ball bearing 5x8x2.5mm	x2
	<b>GMA0018</b> 3x8mm Round head wrench bolt	x12		<b>GMA0098</b> 2.5x25mm Wrench bolt	x2		<b>GMA0165</b> Ball bearing 5x11x4mm	x30
	<b>GMA0019</b> 3x10mm Round head wrench bolt	x25		<b>GMA0102</b> 3x8mm Wrench bolt	x8		<b>GMA0205</b> Ball bearing 8x12x3.5mm	x6
	<b>GMA0020</b> 3x12mm Round head wrench bolt	x17		<b>GMA0104</b> 3x12mm Wrench bolt	x3		<b>GMA0167</b> Ball bearing 10x15x4mm	x2
	<b>GMA0021</b> 3x15mm Round head wrench bolt	x10		<b>GMA0106</b> 3x18mm Wrench bolt	x3		<b>GMA0169</b> P3 O-ring	x8
	<b>GMA0172</b> 3x18mm Round head wrench bolt	x5		<b>GMA0107</b> 3x20mm Wrench bolt	x1		<b>GMA0277</b> P4 O-ring (RED)	x9
	<b>GMA0022</b> 3x20mm Round head wrench bolt	x3		<b>GMA0108</b> 3x25mm Wrench bolt	x4		<b>GMA0170</b> P5 O-ring	x2
	<b>GMA0023</b> 3x25mm Round head wrench bolt	x1		<b>GMA0109</b> 3x30mm Wrench bolt	x3		<b>GMA0212</b> 7x1 O-ring	x4
	<b>GMA0024</b> 3x30mm Round head wrench bolt	x2		<b>GMA0126</b> 3x3mm Socket set screw	x4		<b>GMA0160</b> 2mm E-ring	x6
	<b>GMA0056</b> 3x6mm Flat head wrench bolt	x2		<b>GMA0127</b> 3x4mm Socket set screw	x1		<b>GMA0161</b> 2.5mm E-ring	x3
	<b>GMA0057</b> 3x8mm Flat head wrench bolt	x4		<b>GMA0131</b> 3x10mm Socket set screw	x8		<b>GMA0162</b> 4mm E-ring	x14
	<b>GMA0058</b> 3x10mm Flat head wrench bolt	x5		<b>GMA0132</b> 3x12mm Socket set screw	x2		<b>GM60033</b> Pin 1.5x7.2mm	x6
	<b>GMA0059</b> 3x12mm Flat head wrench bolt	x2		<b>GMA0133</b> 3x15mm Socket set screw	x2		<b>GM51603</b> Pin 2x10.3mm	x4
	<b>GMA0060</b> 3x15mm Flat head wrench bolt	x1		<b>GMA0144</b> 4x15mm Socket set screw	x2		<b>GM60065</b> Pin 2x11.4mm	x10
	<b>GMA0064</b> 3x35mm Flat head wrench bolt	x2		<b>GMA0145</b> 4x20mm Socket set screw	x16		<b>GM49006</b> R5 snap pin	x9
				<b>GM60103</b> 3x10mm Screw pin	x2		<b>GM50116</b> R8 snap pin	x4
				<b>GMA0198</b> 2x8mm Nickel round head tapping screw	x12			
				<b>GMA0154</b> M3 Nut	x3			
				<b>GMA0156</b> M3 Nylon lock nut	x9			
				<b>GMA0157</b> M4 nylon lock nut	x5			
							<b>GMA0213</b> S58 O-ring	x1



# AXLE

1

MAKE X 2



GM60068  
33T Bevelgear



x2



GM60064  
Diff locker



x2



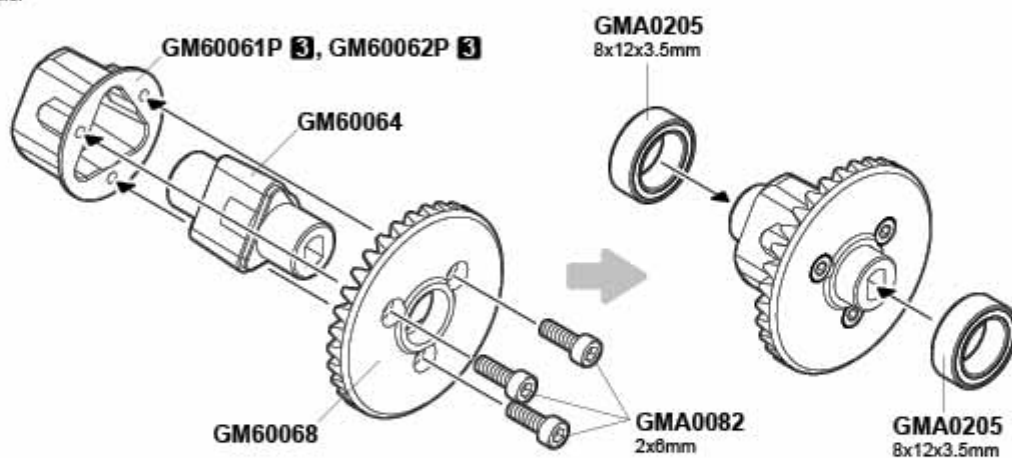
GMA0205  
Ball bearing 8x12x3.5mm

x4



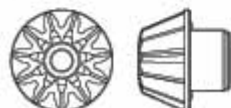
GMA0082  
2x8mm Wrench bolt

x6



# FRONT AXLE

2



GM60067  
11T Bevelgear

x1



GMA0205  
Ball bearing 8x12x3.5mm

x1



GM60111  
Input universal joint 28mm

x1



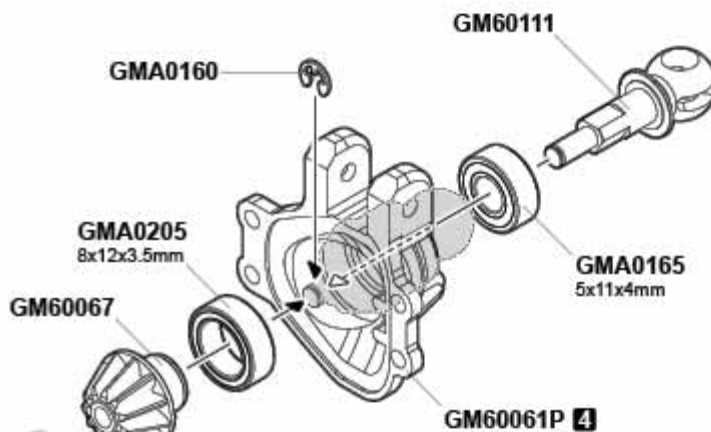
GMA0165  
Ball bearing 5x11x4mm

x1



GMA0160  
2mm E-ring

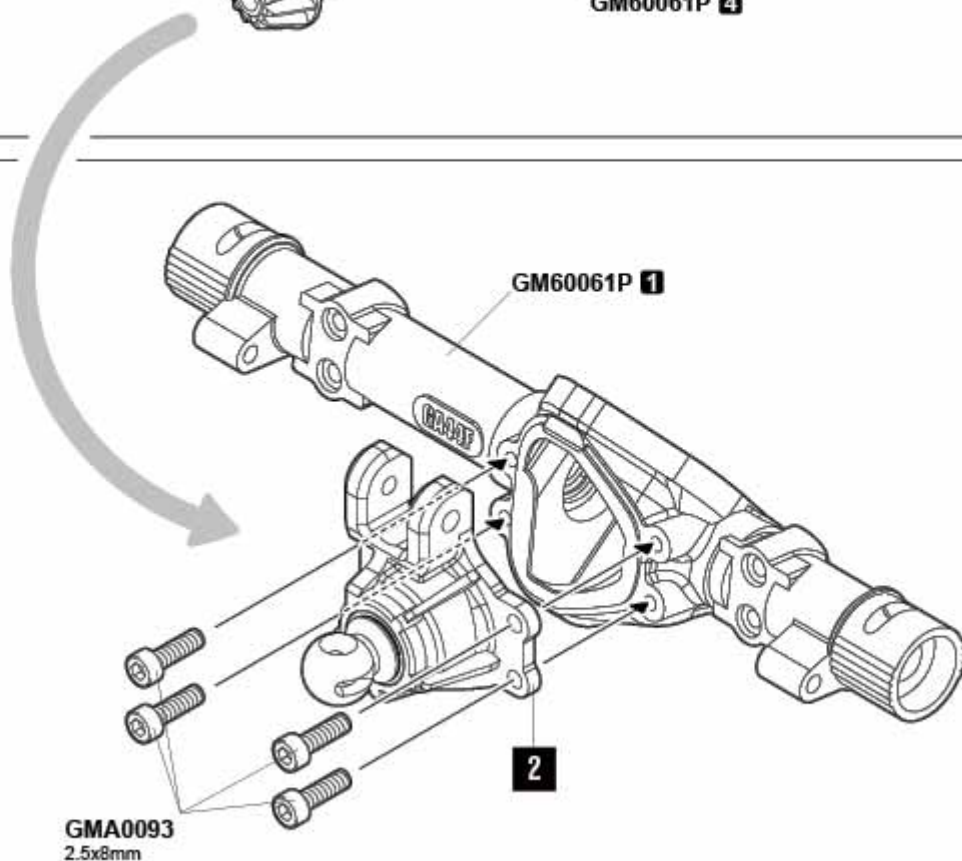
x1

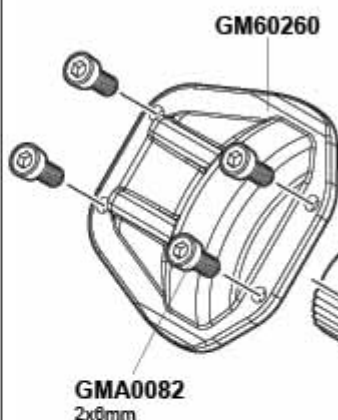
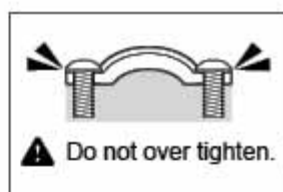
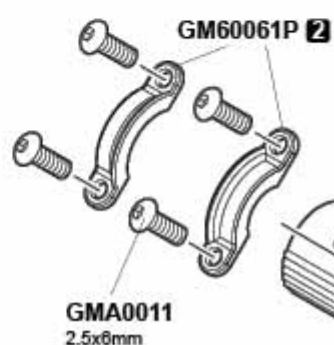
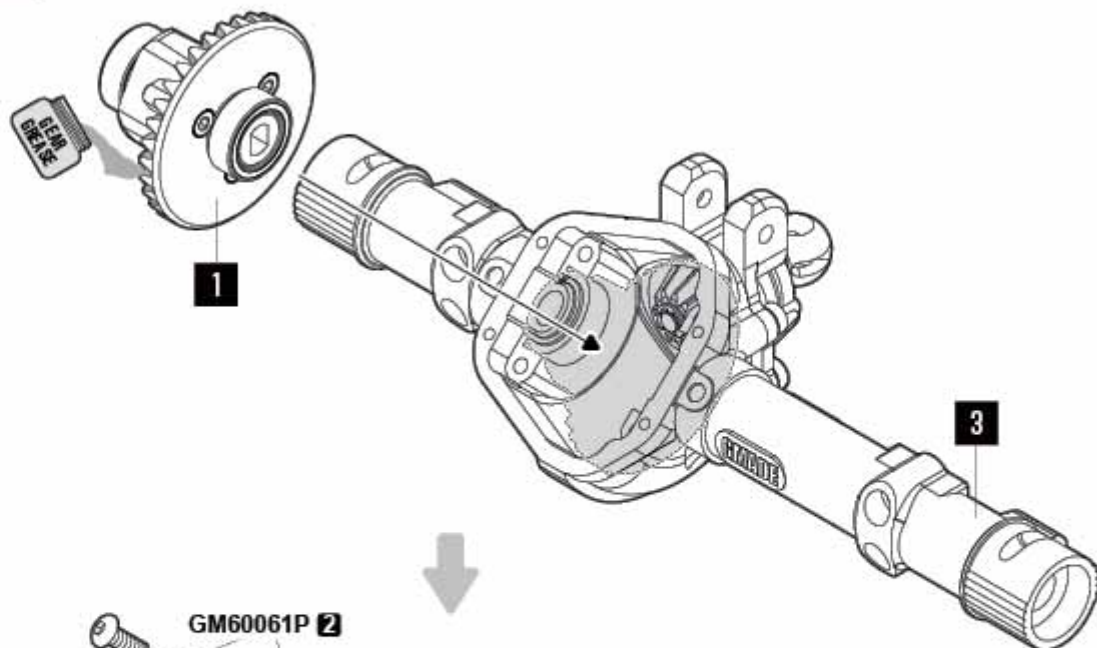


GMA0093  
2.5x8mm Wrench bolt

x4

3





  
**GMA0011**  
2.5x6mm  
Round head wrench bolt

x4

  
**GMA0082**  
2x6mm Wrench bolt

x4



# FRONT AXLE

5



**GMA0165**  
Ball bearing 5x11x4mm

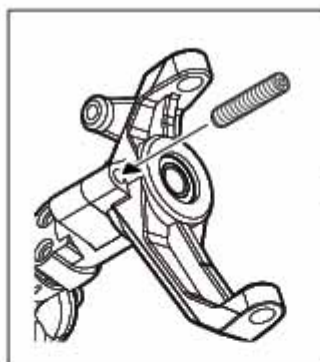
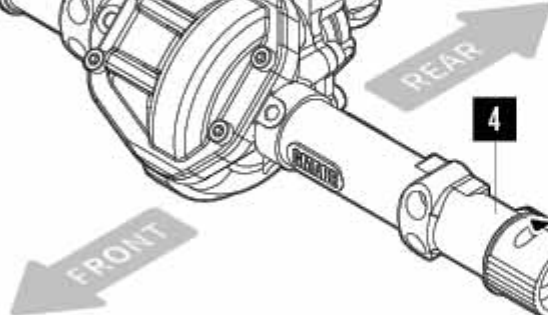
x2

**GM60239** 9

**GMA0165**  
5x11x4mm

**GMA0165**  
5x11x4mm

**GM60239** 10



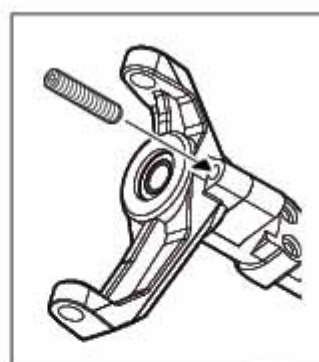
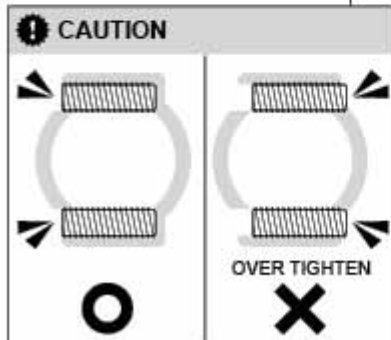
**GMA0133**  
3x15mm

**GMA0131**  
3x10mm Socket set screw

x4

**GMA0133**  
3x15mm Socket set screw

x2

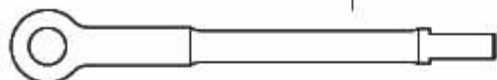


**GMA0133**  
3x15mm

**GMA0131**  
3x10mm

# FRONT AXLE

6-A



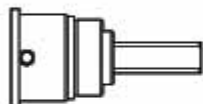
GM60241  
CVA drive shaft 64mm

x1



GM60241  
CVA drive shaft 92mm

x1



GM60241  
GA44P CVA input shaft 25mm

x2



GM60110  
CVA pin retaining ring

x2



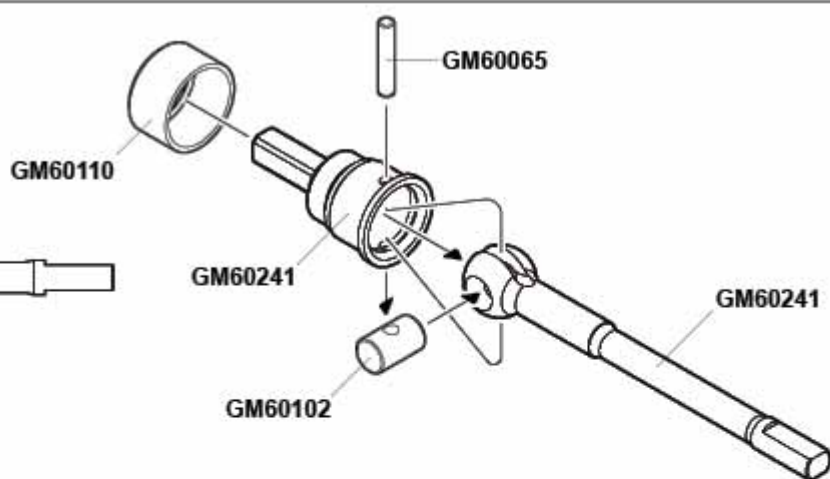
GM60102  
CVA drive coupler

x2

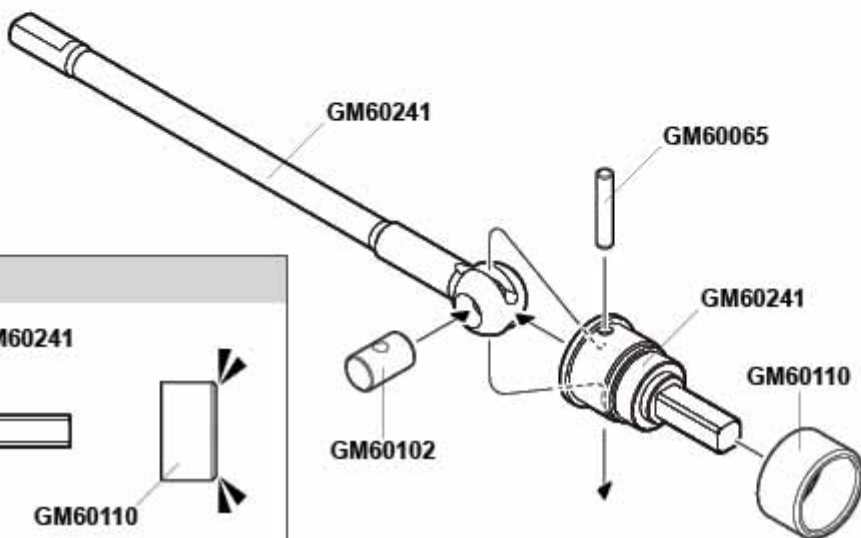


GM60065  
Pin 2x11.4mm

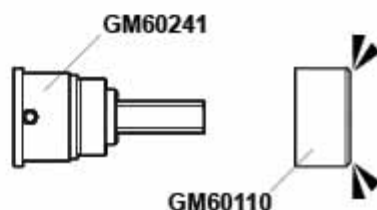
x2



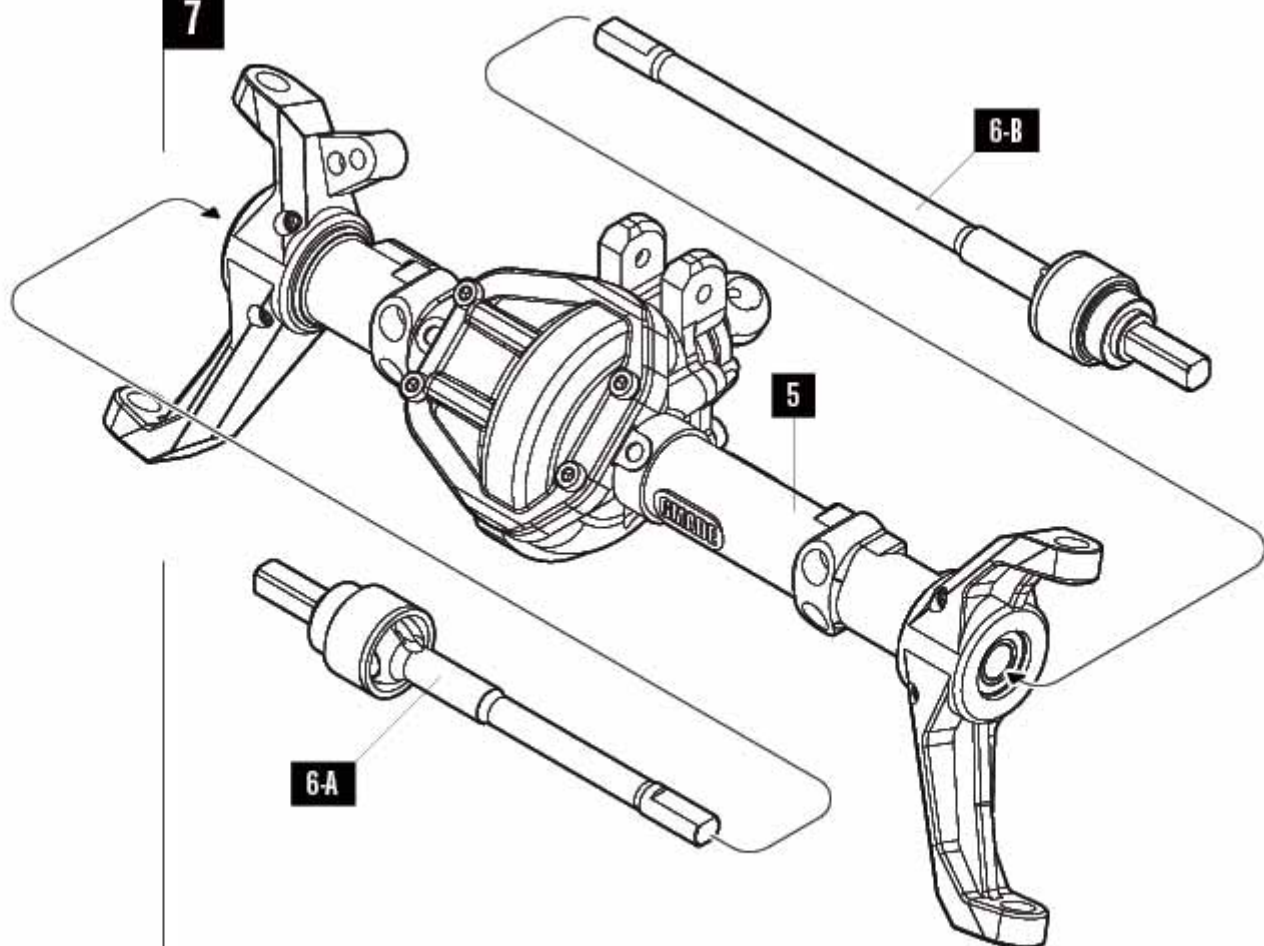
6-B



**CAUTION**



7





# FRONT AXLE



**GMA0019**  
3x10mm  
Round head wrench bolt

x4



**GMA0165**  
Ball bearing 5x11x4mm

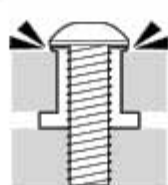
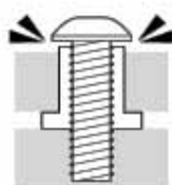
x2



**GMA0167**  
Ball bearing 10x15x4mm

x2

## CAUTION



OVER TIGHTEN



**GM60242**  
GA44P front portal  
stub axle 39mm

x2



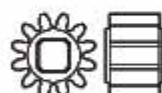
**GM60237**  
32P 23T portal gear

x2



**GM60065**  
Pin 2x11.4mm

x2



**GM60236**  
32P 12T portal gear

x2



**GMA0165**  
Ball bearing 5x11x4mm

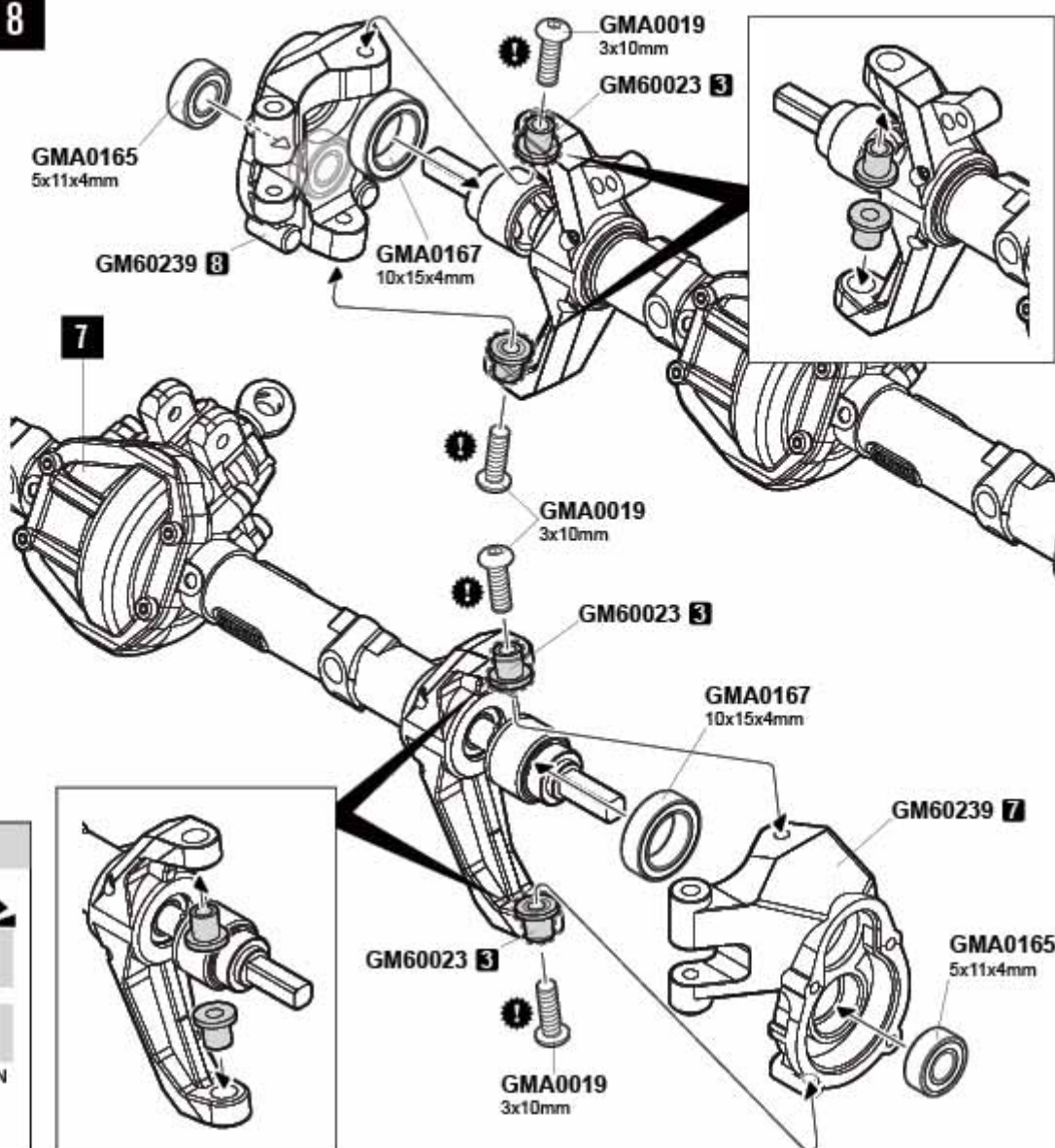
x4



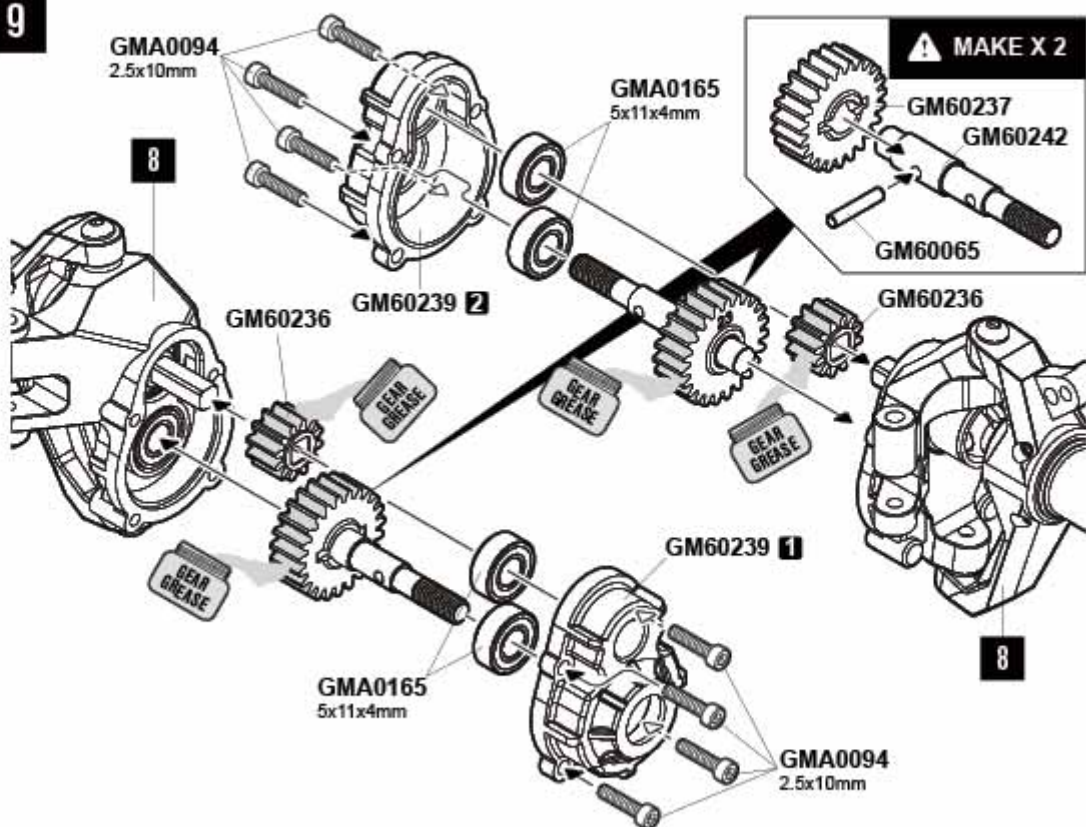
**GMA0094**  
2.5x10mm Wrench bolt

x8

8



9



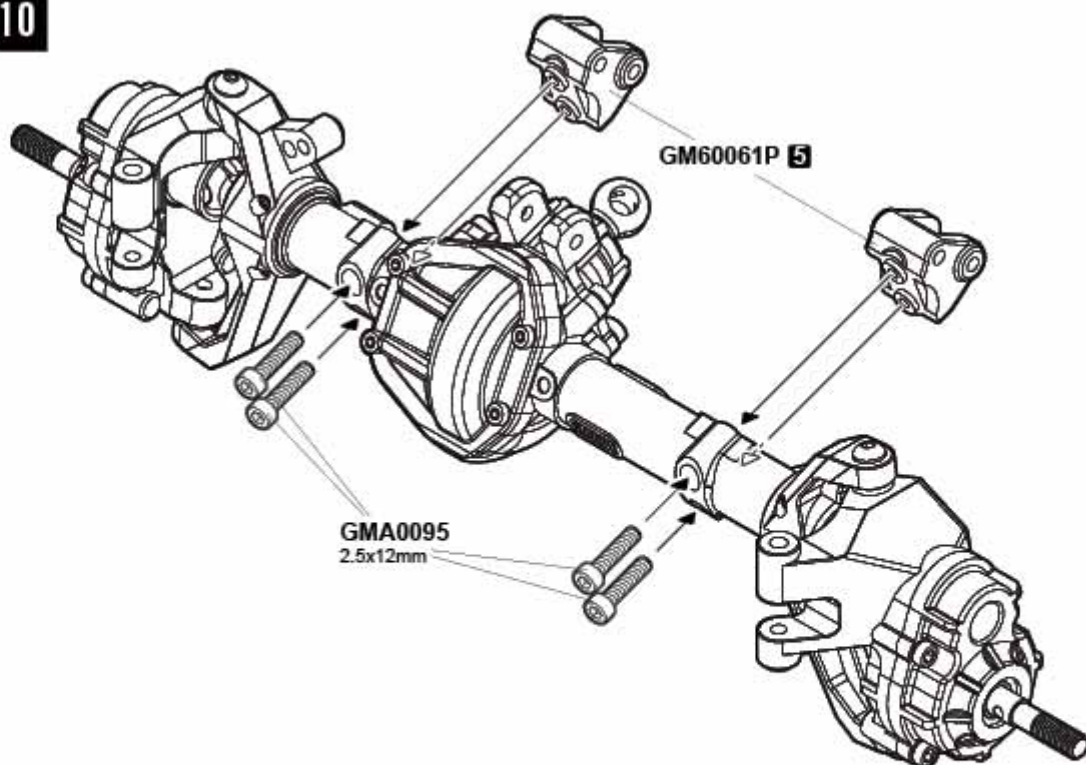
## FRONT AXLE



**GMA0095**  
2.5x12mm Wrench bolt

x4

10



## REAR AXLE



**GM60067**  
11T Bevelgear

x1



**GM60111**  
Input universal joint 28mm

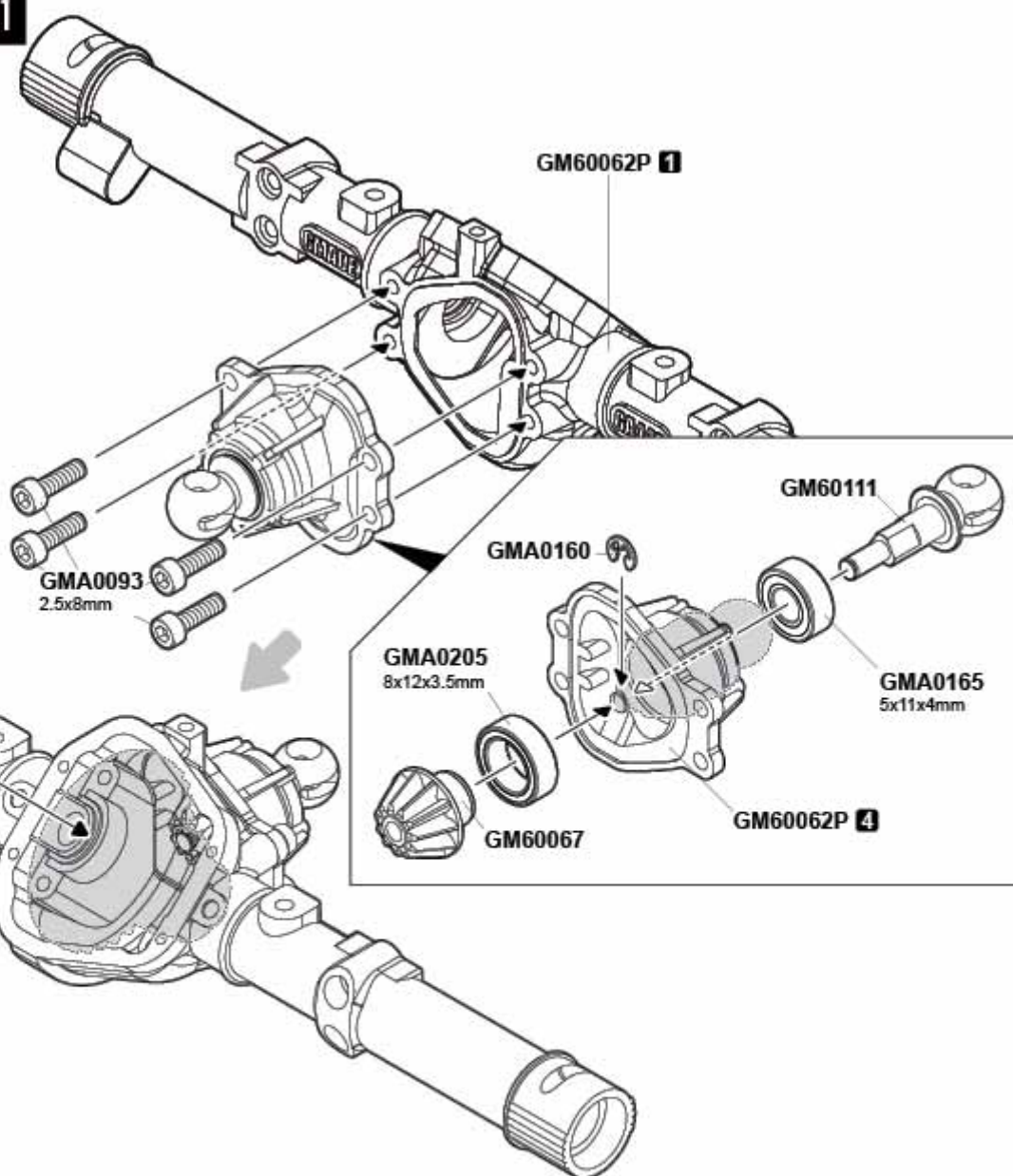
x1



**GMA0160**  
2mm E-ring

x1

11



**GMA0165**  
Ball bearing  
5x11x4mm

x1



**GMA0205**  
Ball bearing  
8x12x3.5mm

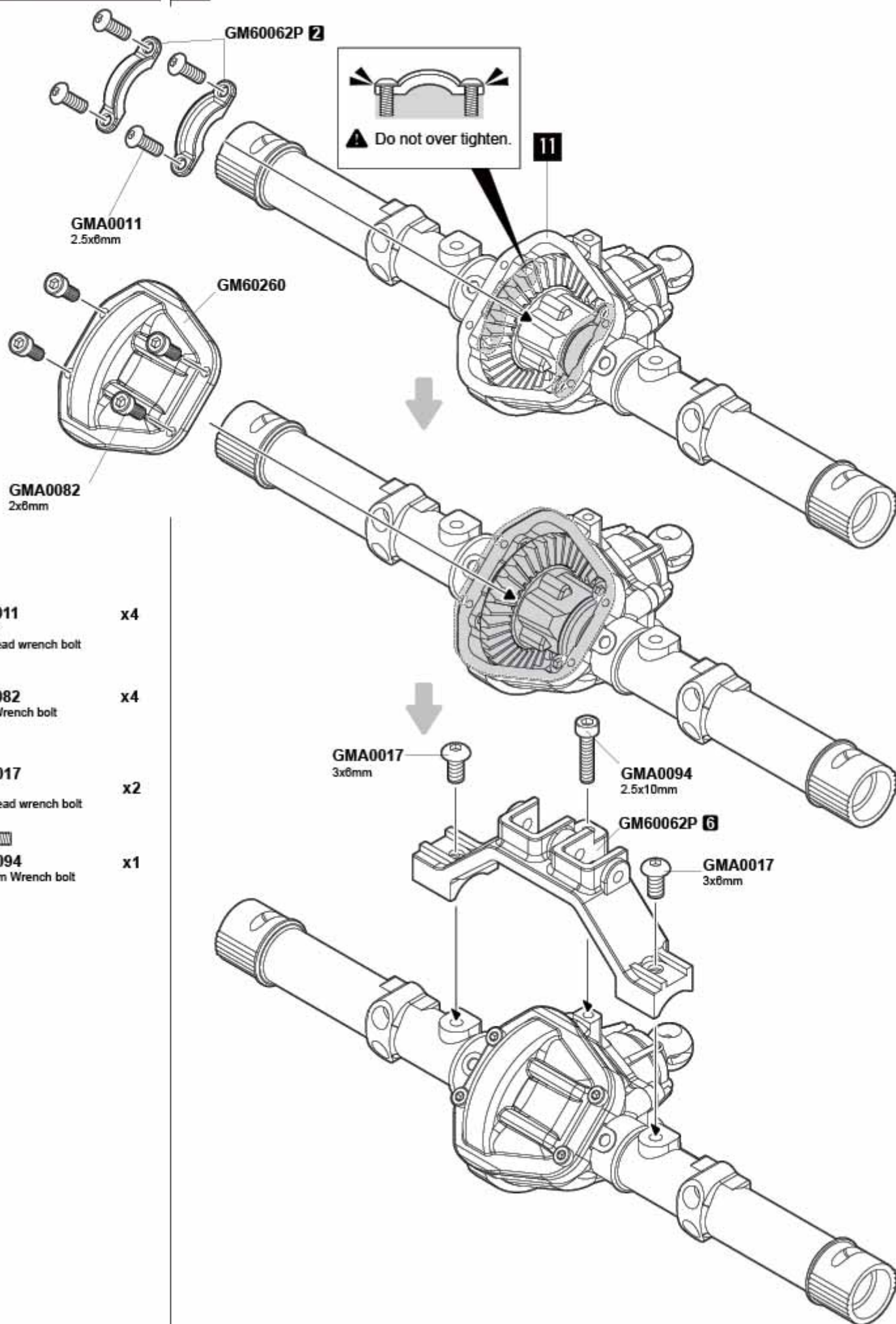
x1



**GMA0093**  
2.5x8mm Wrench bolt

x4







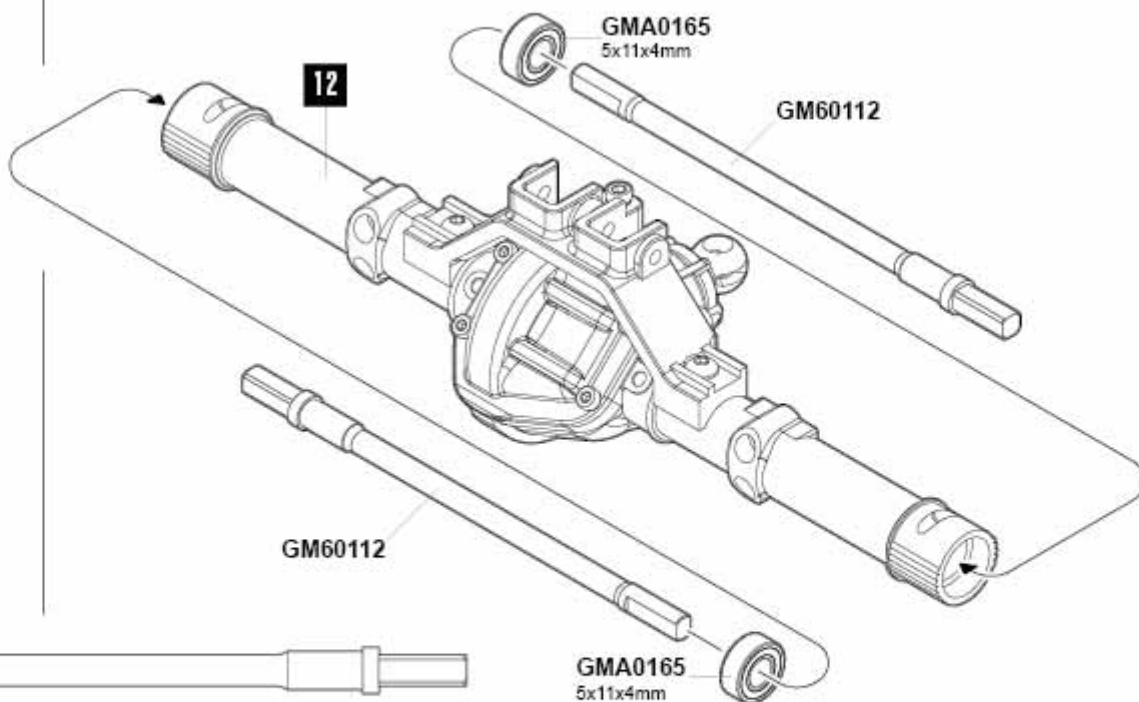
**GMA0165**  
Ball bearing 5x11x4mm

x2



**GM60246**  
GA44P straight drive shaft  
101mm

x2



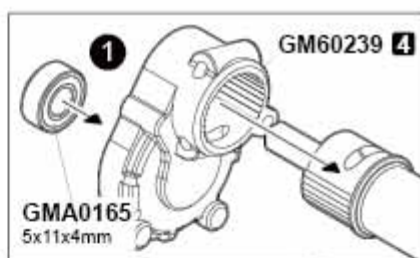
**GMA0131**  
3x10mm Socket set screw

x4



**GMA0165**  
Ball bearing 5x11x4mm

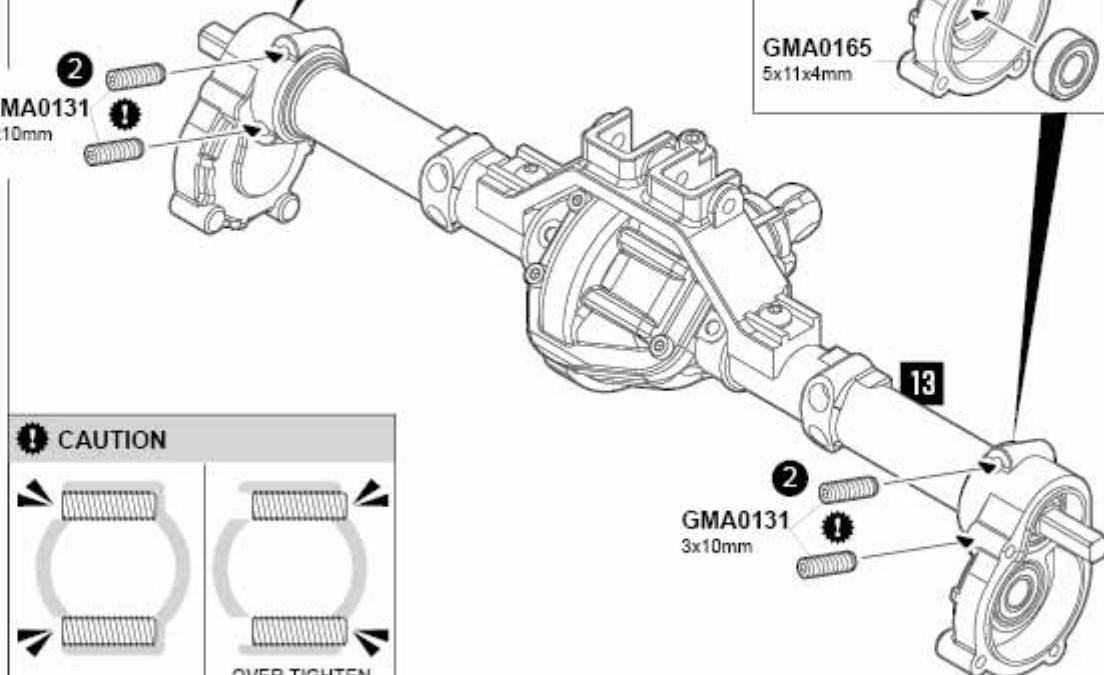
x2



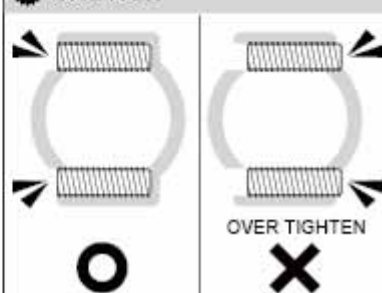
**GMA0131**  
3x10mm



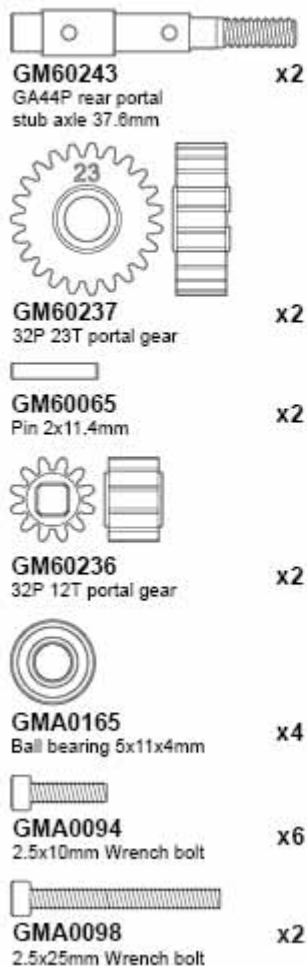
**GM60239**  
**GMA0165**  
5x11x4mm



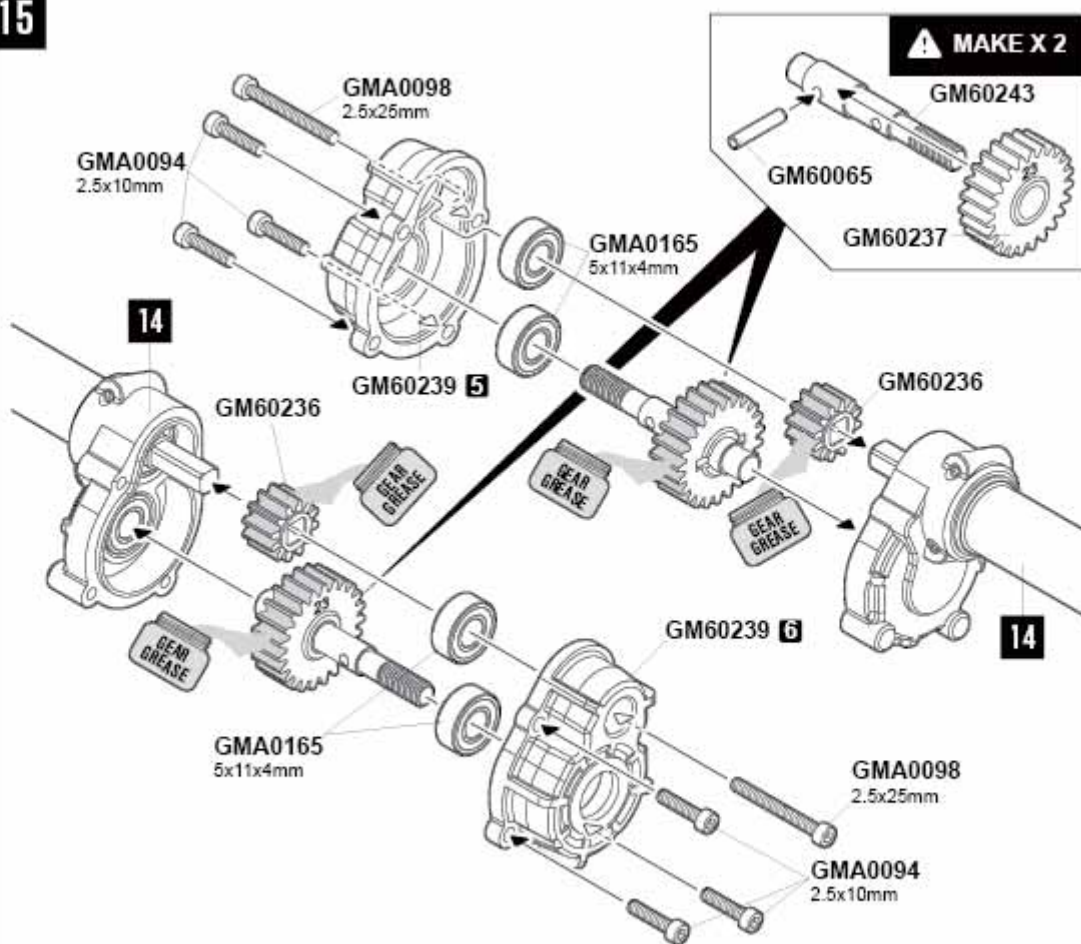
**CAUTION**



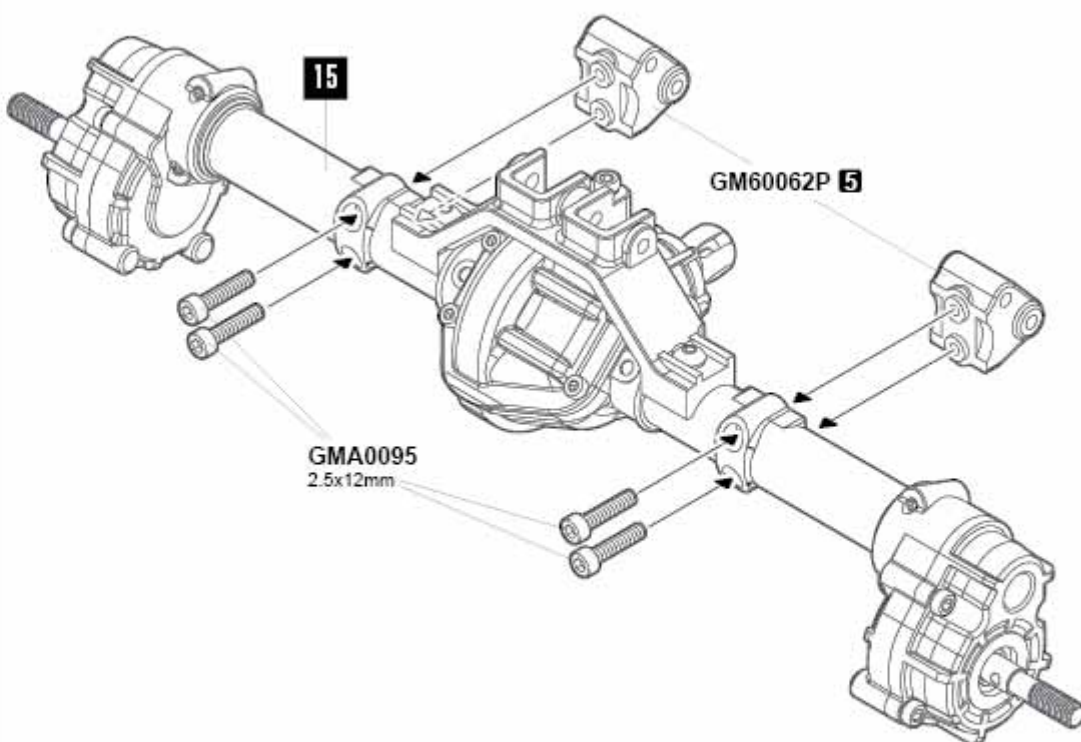
## REAR AXLE



15



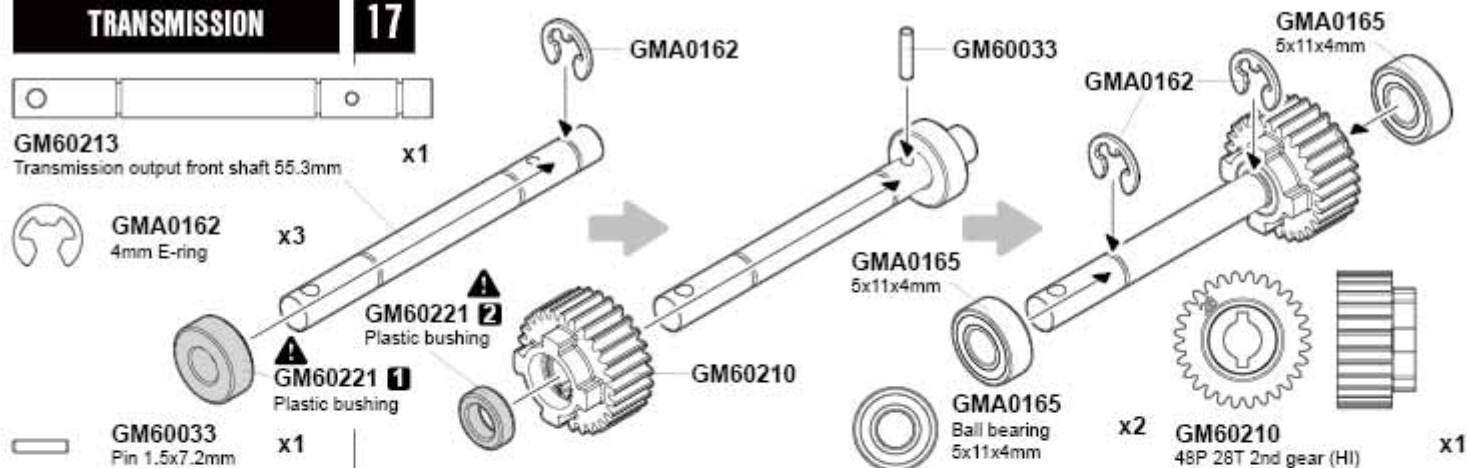
16



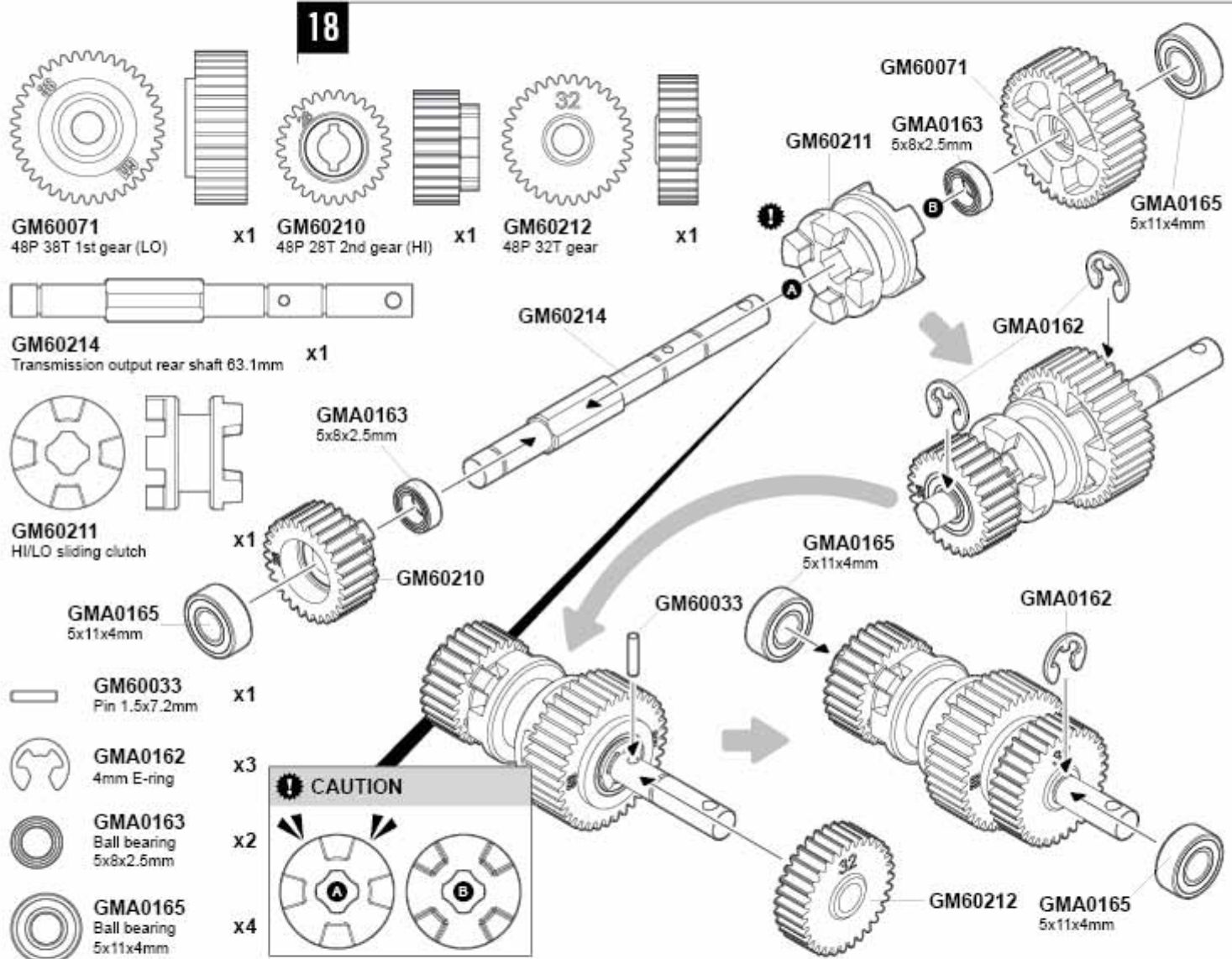


# TRANSMISSION

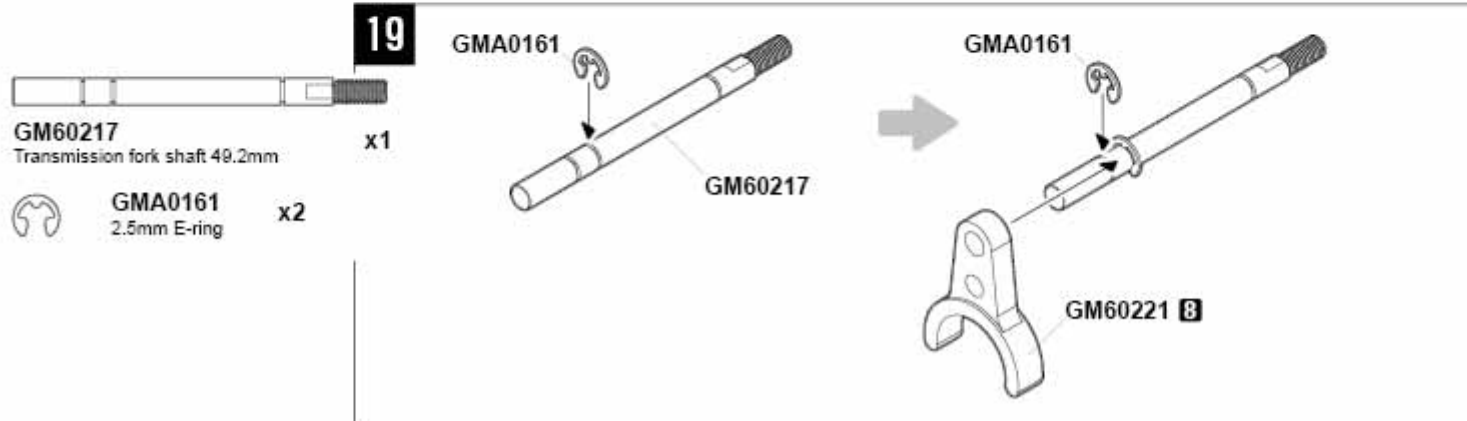
17

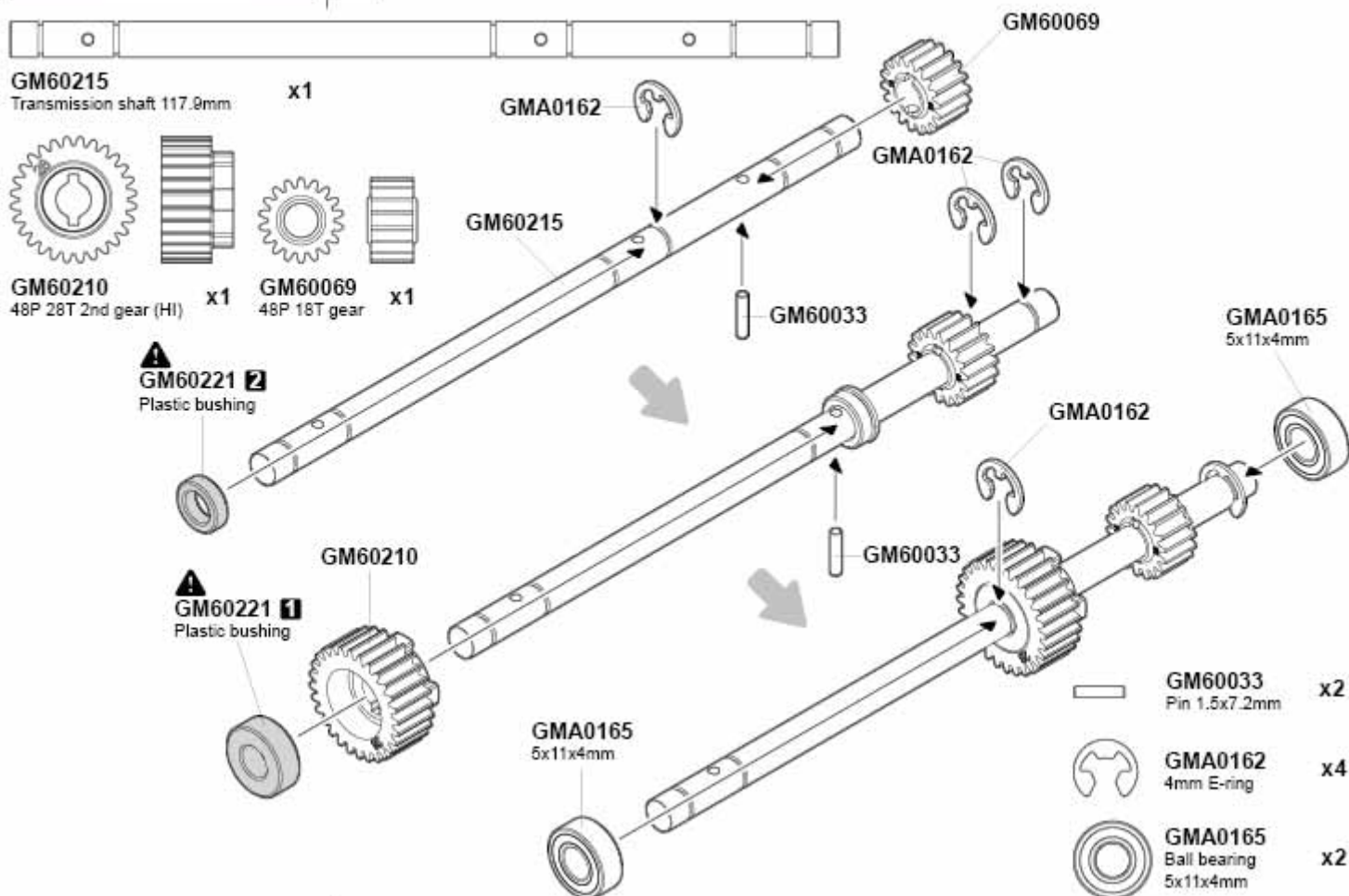


18



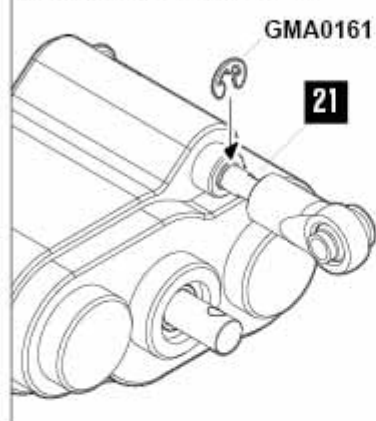
19



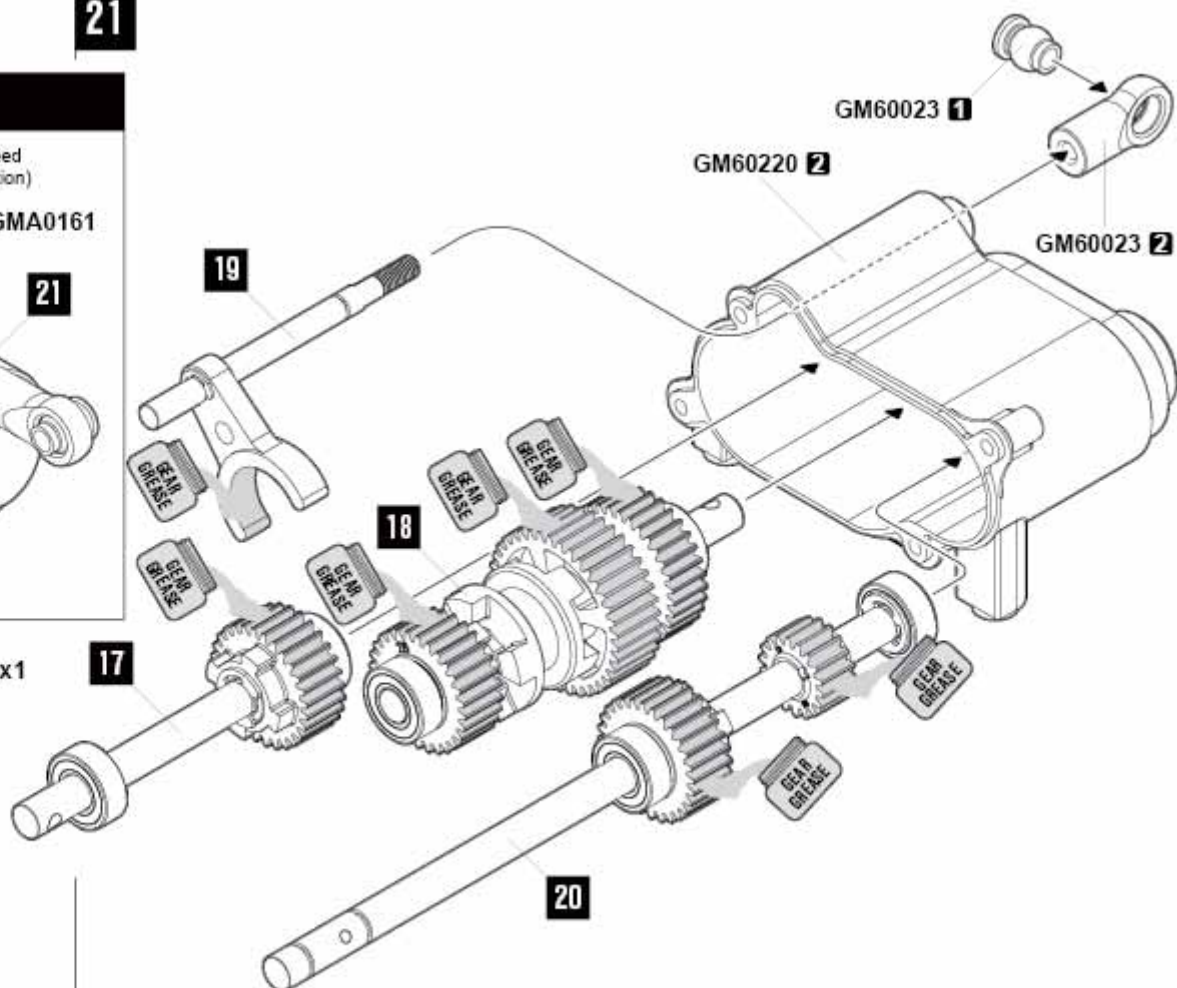


## Option

Use E-ring for full time low speed and high torque. (no shift function)



**GMA0161**  
2.5mm E-ring x1







**GMA0093**  
2.5x8mm Wrench bolt

x4

GM60220 5

**GMA0093**  
2.5x8mm

GM60220 3



**GMA0109**  
3x30mm Wrench bolt

x3

**GMA0109**  
3x30mm

GMA0162

**GMA0165**  
5x11x4mm

GM60210

**GM60221 1**  
Plastic bushing



**GM60210**  
48P 28T 2nd gear (HI)



**GM60033**  
Pin 1.5x7.2mm



**GMA0162**  
4mm E-ring



**GMA0165**  
Ball bearing  
5x11x4mm

x1

x1

x2

x3

**GM60221 2**  
Plastic bushing

GM60033

GMA0162

**GMA0165**  
5x11x4mm



# TRANSMISSION



**GM60216**  
Slipper shaft 37.8mm x1



**GM60033**  
Pin 1.5x7.2mm x1



**GMA0162**  
4mm E-ring x2



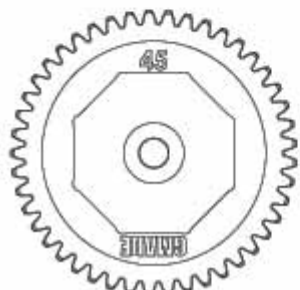
**GMA0165**  
Ball bearing 5x11x4mm x1



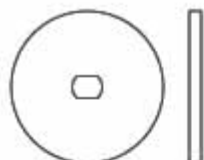
**GMA0104**  
3x12mm Wrench bolt x1



**GMA0106**  
3x18mm Wrench bolt x3



**GM60080A**  
32P 45T Spur gear x1



**GM60087**  
Slipper disk 20x1.5mm x2



**GM60088**  
Slipper pad x2

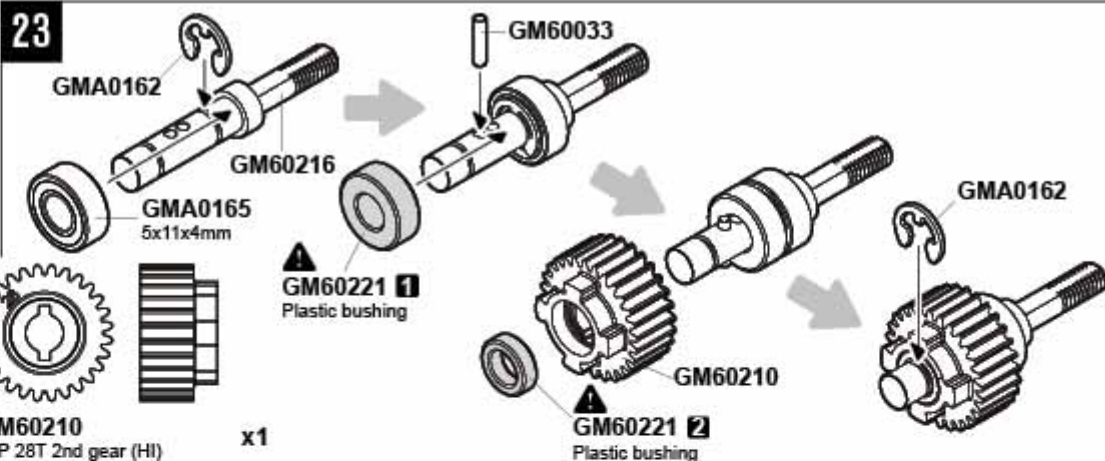


**GMA0210**  
4mm conical spring washer x4

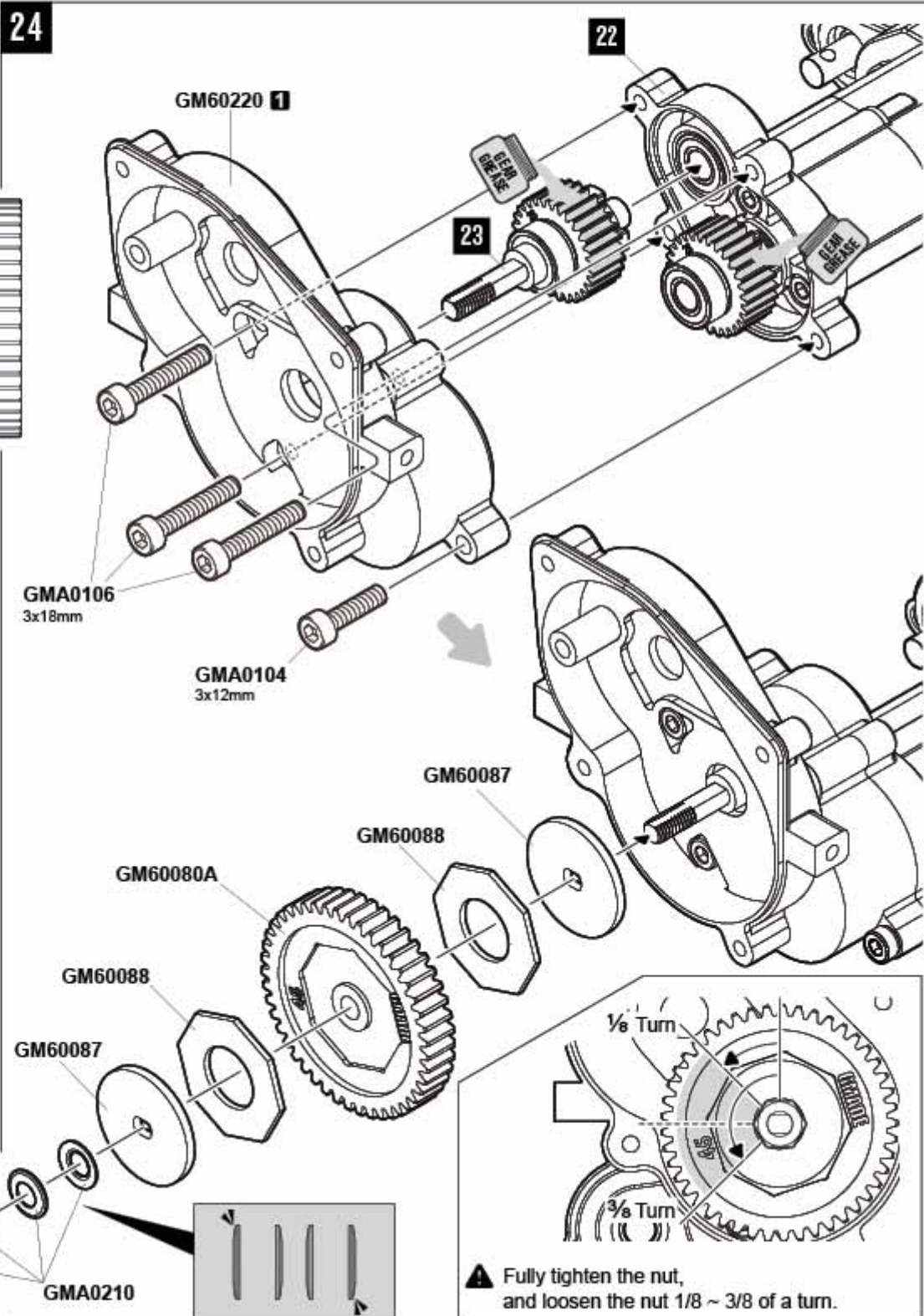


**GMA0157**  
M4 nylon lock nut x1

23



24



▲ Fully tighten the nut, and loosen the nut 1/8 ~ 3/8 of a turn.

# TRANSMISSION

25



**GMA0102**  
3x8mm Wrench bolt

x4

**GMA0102**  
3x8mm

**GM60220** 4

24

26



**GM60072**  
32P 13T pinion gear

x1



**GMA0019**  
3x10mm  
Round head wrench bolt

x2



**GMA0127**  
3x4mm Socket set screw

x1



**GMA0156**  
M3 Nylon lock nut

x1



**GMA0107**  
3x20mm Wrench bolt

x1



**GMA0021**  
3x15mm  
Round head wrench bolt

x1



**GMA0158**  
3mm Washer

x1

⚠ Motor is not included.

**GM60221** 10

**GMA0156**

**GM60221** 11

**GMA0127**  
3x4mm

**GMA0019**  
3x10mm  
**GM60072**

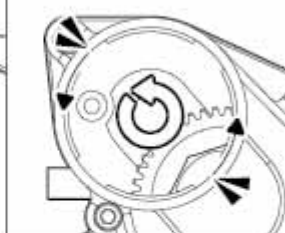
**13T to 15T Pinion gear**

Turn clockwise



**9T to 12T Pinion gear**

Turn counterclockwise

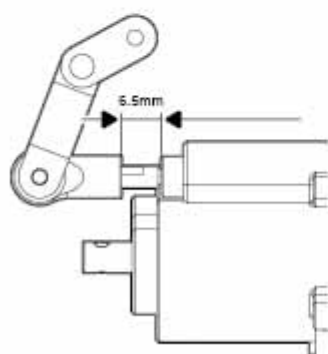


25

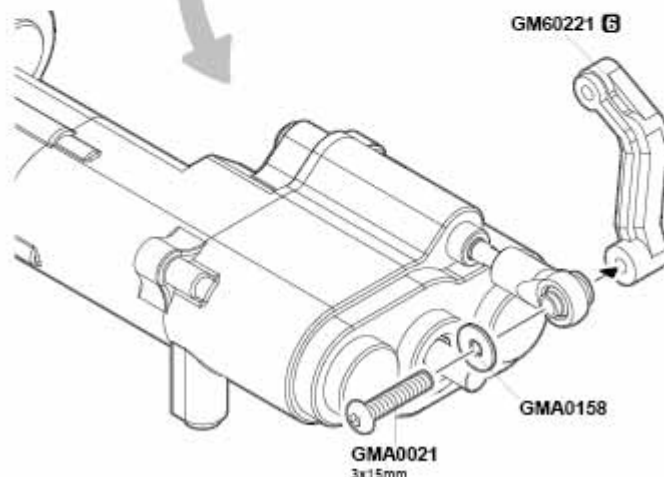
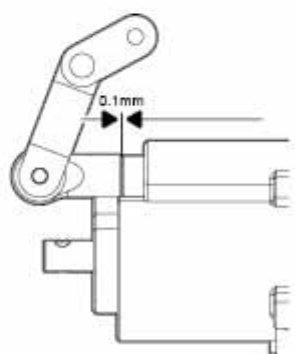
**GMA0107**  
3x20mm

**GM60221** 6

**Low speed**



**High speed**



**GMA0021**  
3x15mm

**GMA0158**



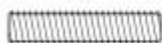
## FRONT UPPER LINK

27



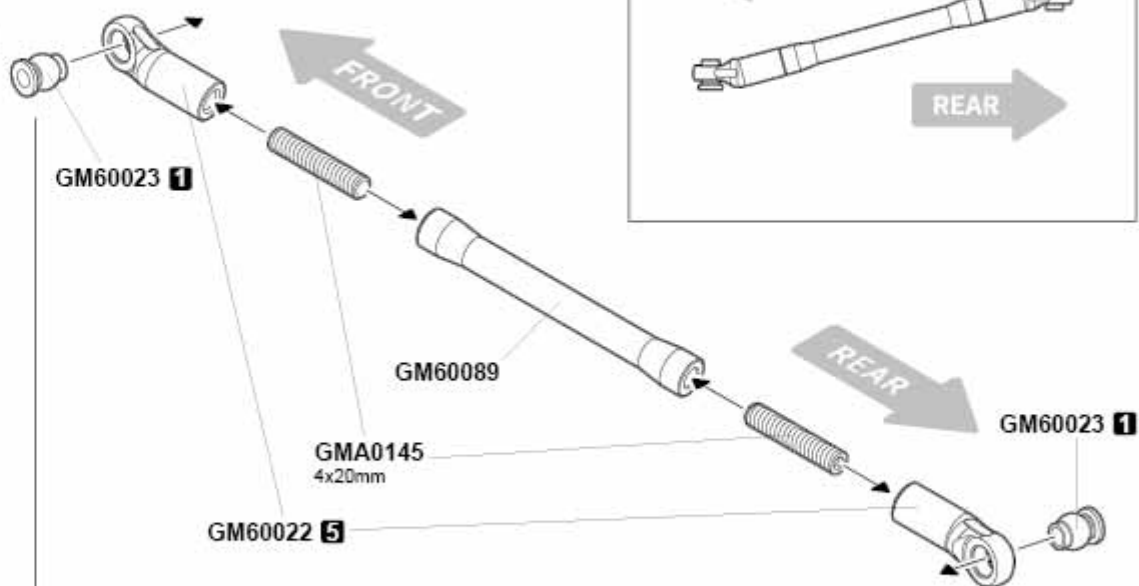
GM60089  
Upper link M4x8.8x55mm

x1

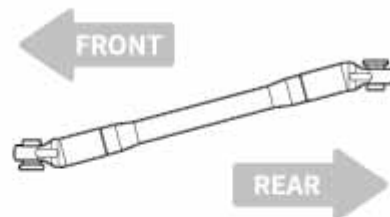


GMA0145  
4x20mm Socket set screw

x2



### ⚠ FRONT UPPER LINK TOP VIEW



## FRONT LOWER LINK

28



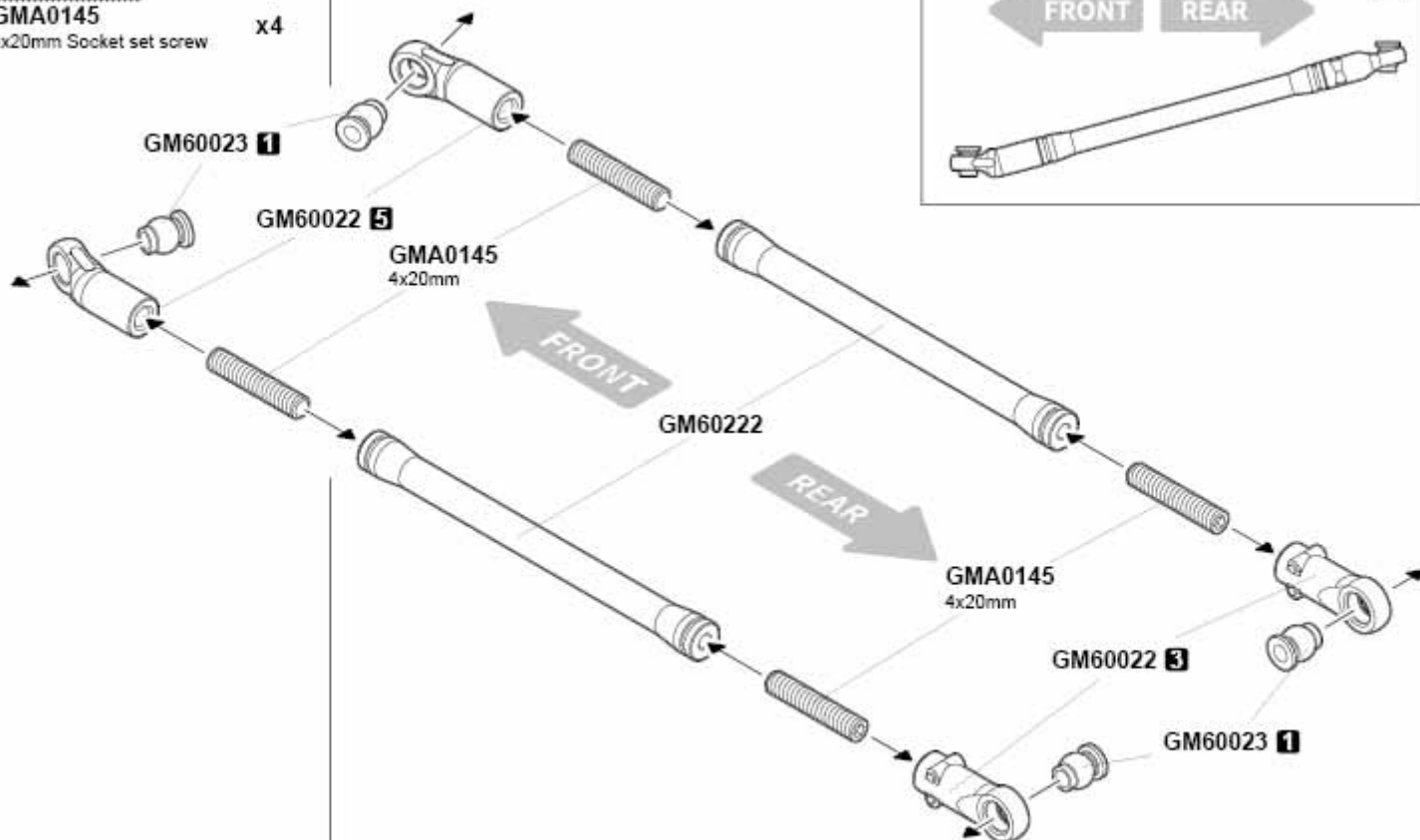
GM60222  
Lower link M4x8.8x78mm

x2

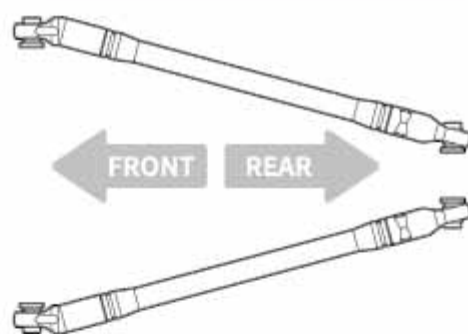


GMA0145  
4x20mm Socket set screw

x4



### ⚠ FRONT LOWER LINK TOP VIEW

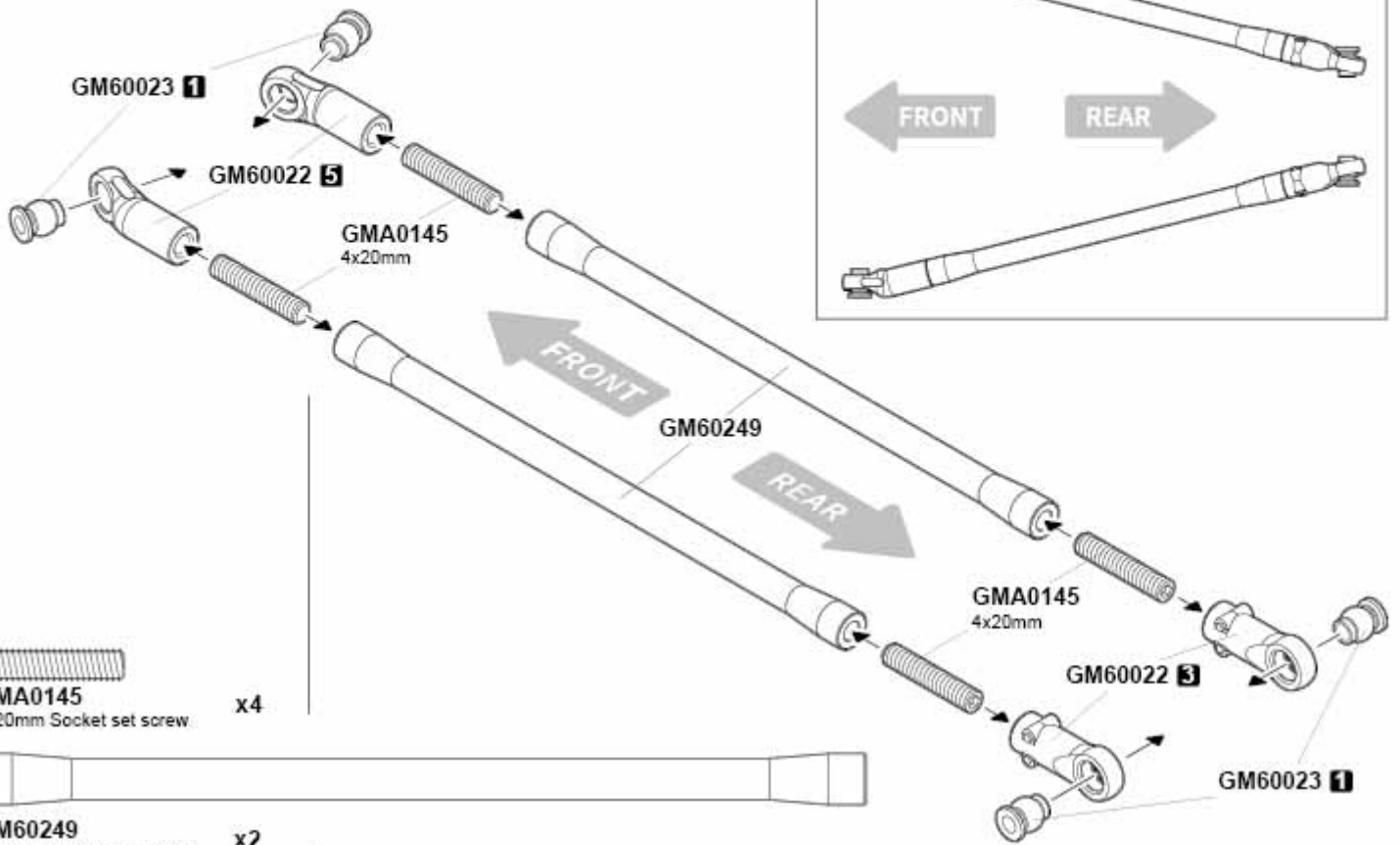
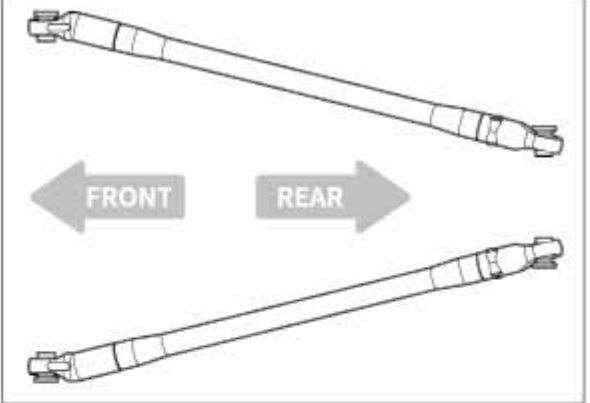




## REAR UPPER LINK

29

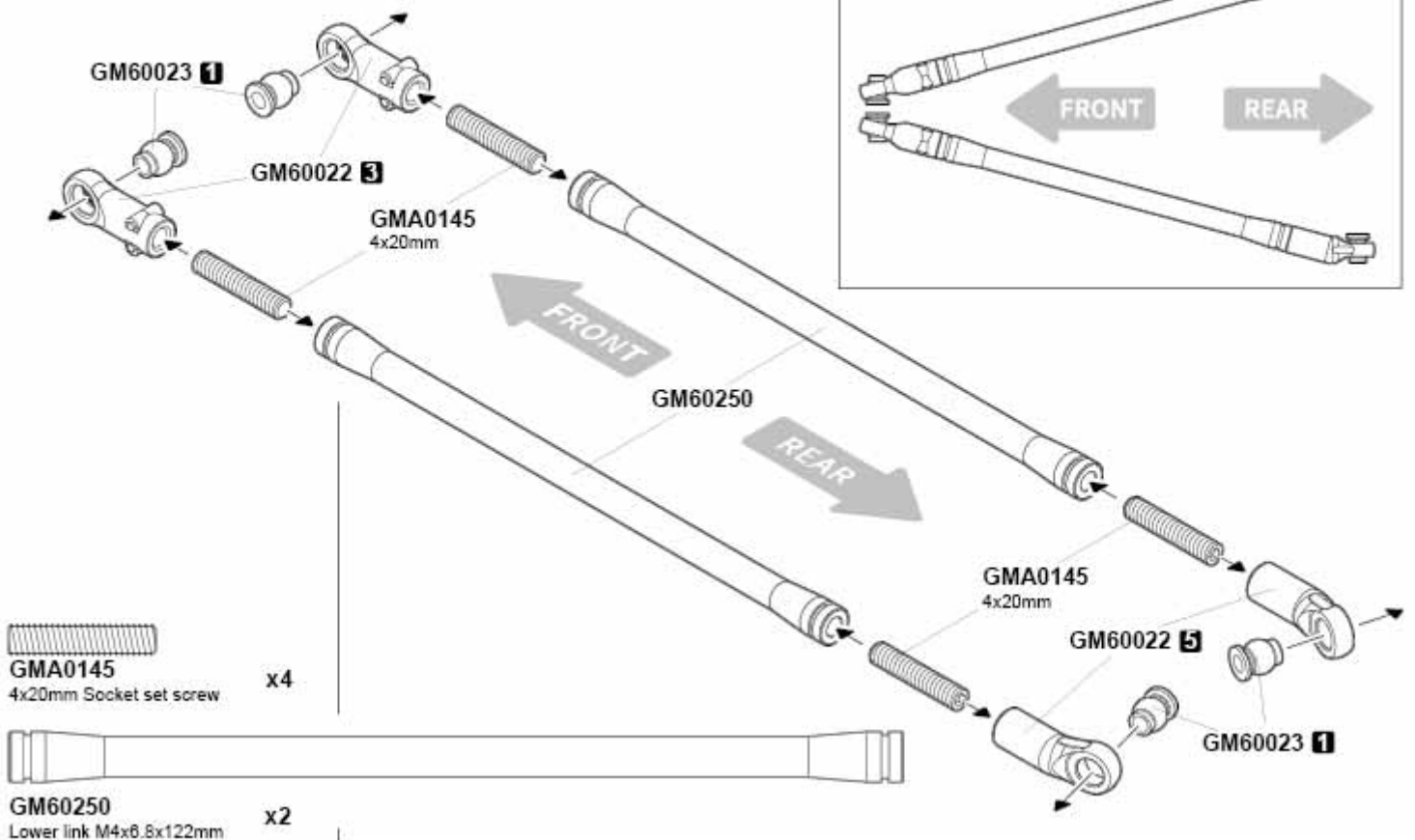
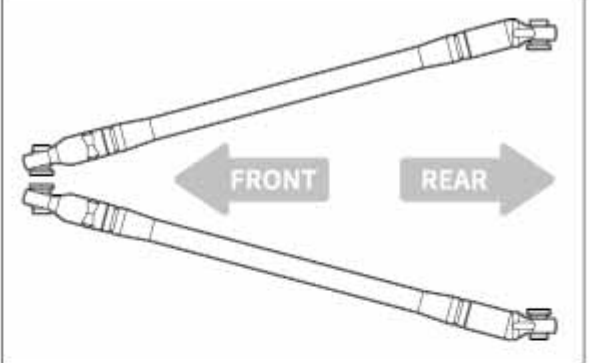
### ⚠ REAR UPPER LINK TOP VIEW



## REAR LOWER LINK

30

### ⚠ REAR LOWER LINK TOP VIEW



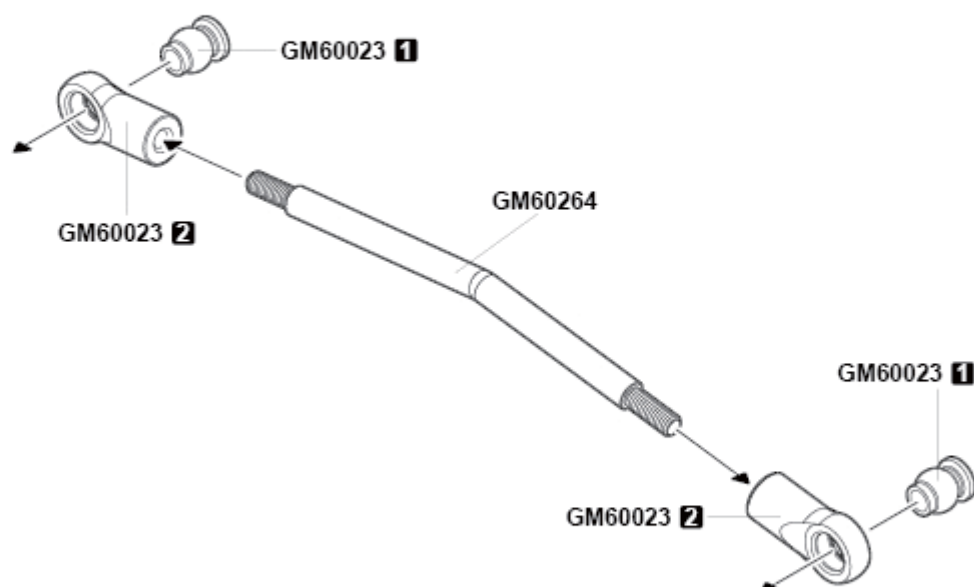
# PANHARD ROD

31



**GM60264**  
Panhard rod 79mm

x1



# STEERING ROD

32



**GMA0144**  
4x15mm Socket set screw

x2

**GMA0145**  
4x20mm Socket set screw

x2



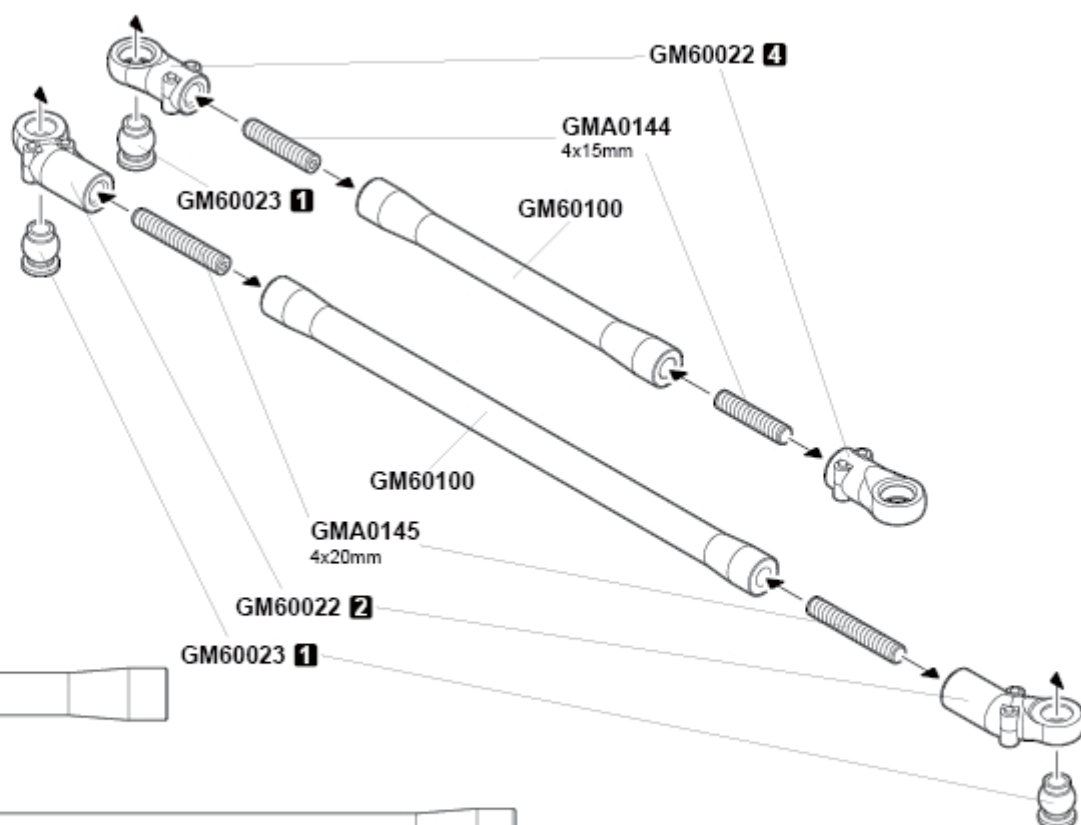
**GM60100**  
Steering rod M4x6.8x69mm

x1



**GM60100**  
Steering rod M4x6.8x115mm

x1



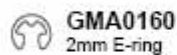


## SHOCK ABSORBER



GMA0212  
7x1 O-ring

x4



GMA0160  
2mm E-ring

x4



GMA0169  
P3 O-ring

x8



GM0020074  
Shock shaft 3.5x41.4mm

x4

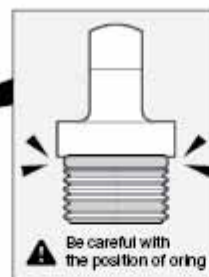
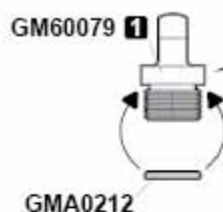


GM60265  
SD 80mm shock body

x4

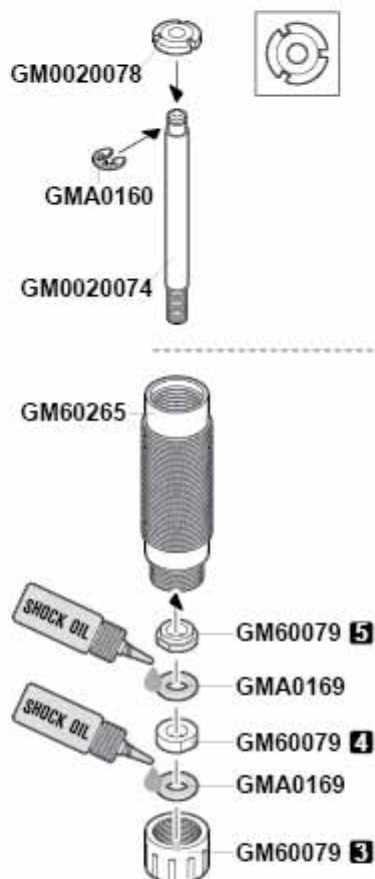
### 33

⚠ MAKE X 4



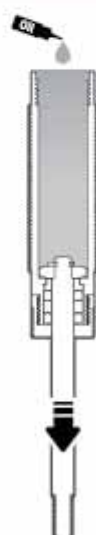
### 34

⚠ MAKE X 4

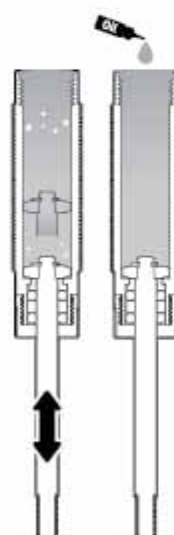


### 35

⚠ MAKE X 4



Fill up the cylinder with oil.

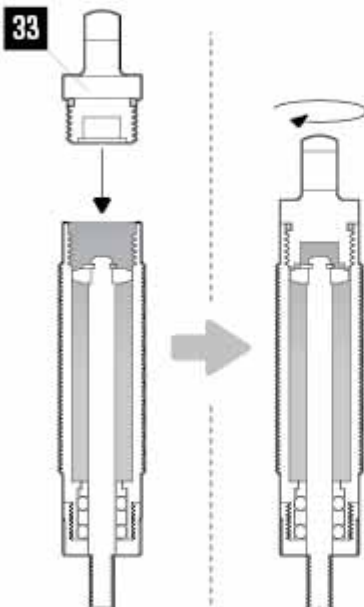


Slowly move up and down  
to remove air bubbles and  
fill up the oil.



Push up the shock shaft  
slowly to the top and  
close the cap.

## SLOWER REBOUND AND FASTER COMPRESSION



Push up the shock shaft slowly to the top and close the cap.

## FASTER REBOUND AND SLOWER COMPRESSION



⚠ Make sure that shock is not overfilled and compressed fully.

1mm

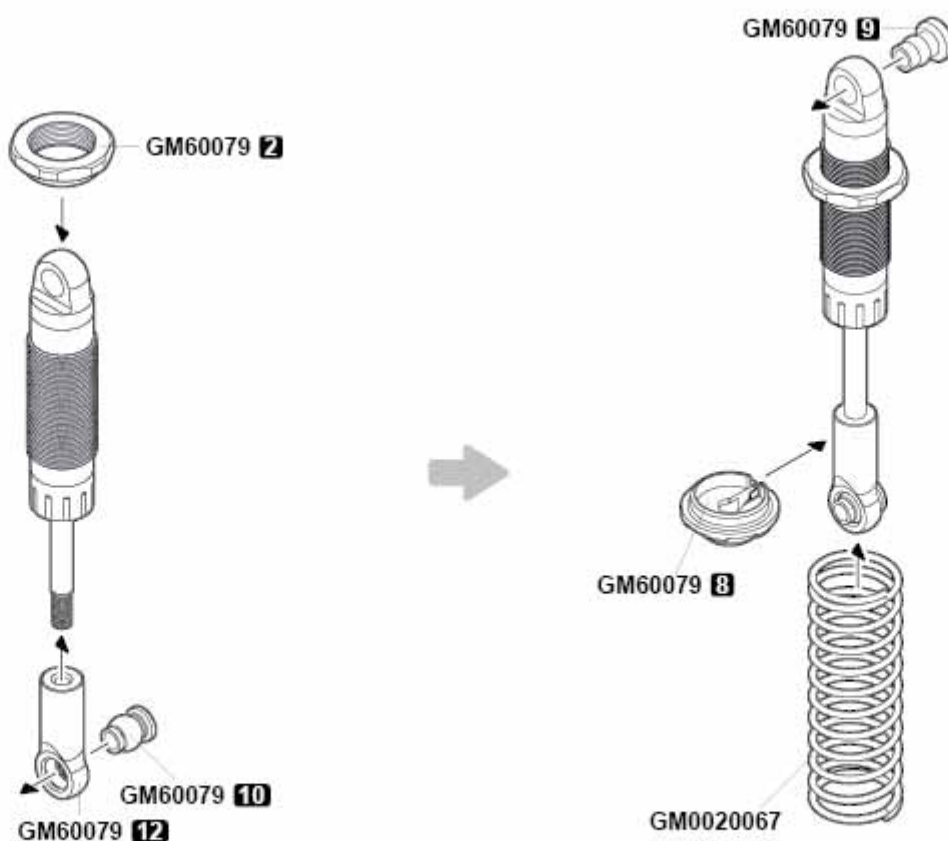
1mm space the cap.

Pull down the shock shaft slowly to the bottom.

close the cap.

36

⚠ MAKE X 4





# CHASSIS

37



GMA0018

3x8mm  
Round head wrench bolt

x1



GMA0020

3x12mm  
Round head wrench bolt

x4



GMA0154

M3 Nut

x1



GM60093

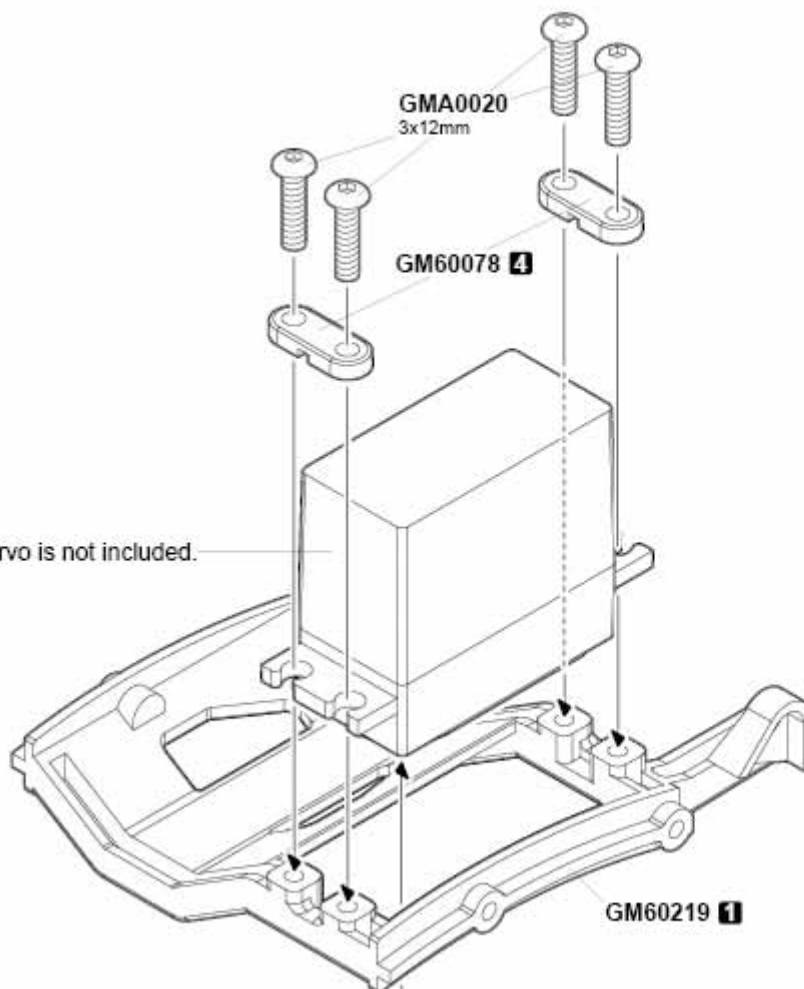
5.8mm ball stud M3x5mm

x1



⚠ Set to the neutral position  
before attaching the servo  
horn to the servo.

⚠ Servo is not included.



## SERVO HORN



GM60078 5

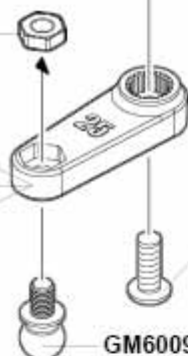


GM60078 6



GM60078 7

GMA0154



GMA0018  
3x8mm

GM60093

# CHASSIS

38



GMA0093

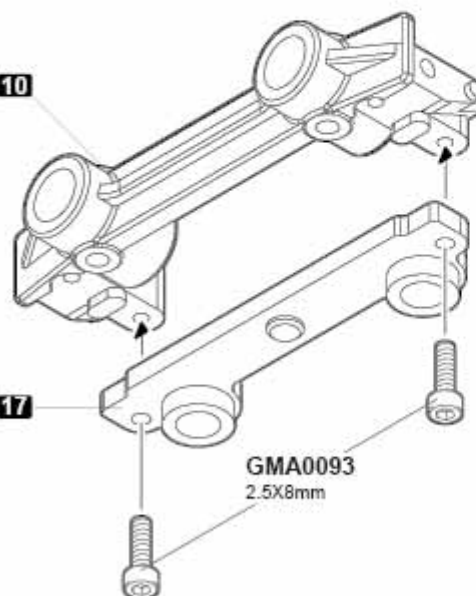
2.5X8mm Wrench bolt

x2

GM60078 10

GM60254 17

GMA0093  
2.5X8mm



## CHASSIS

39



GMA0018

3x8mm  
Round head wrench bolt

x2



GMA0019

3x10mm  
Round head wrench bolt


x7





GMA0058

3x10mm Flat head wrench bolt

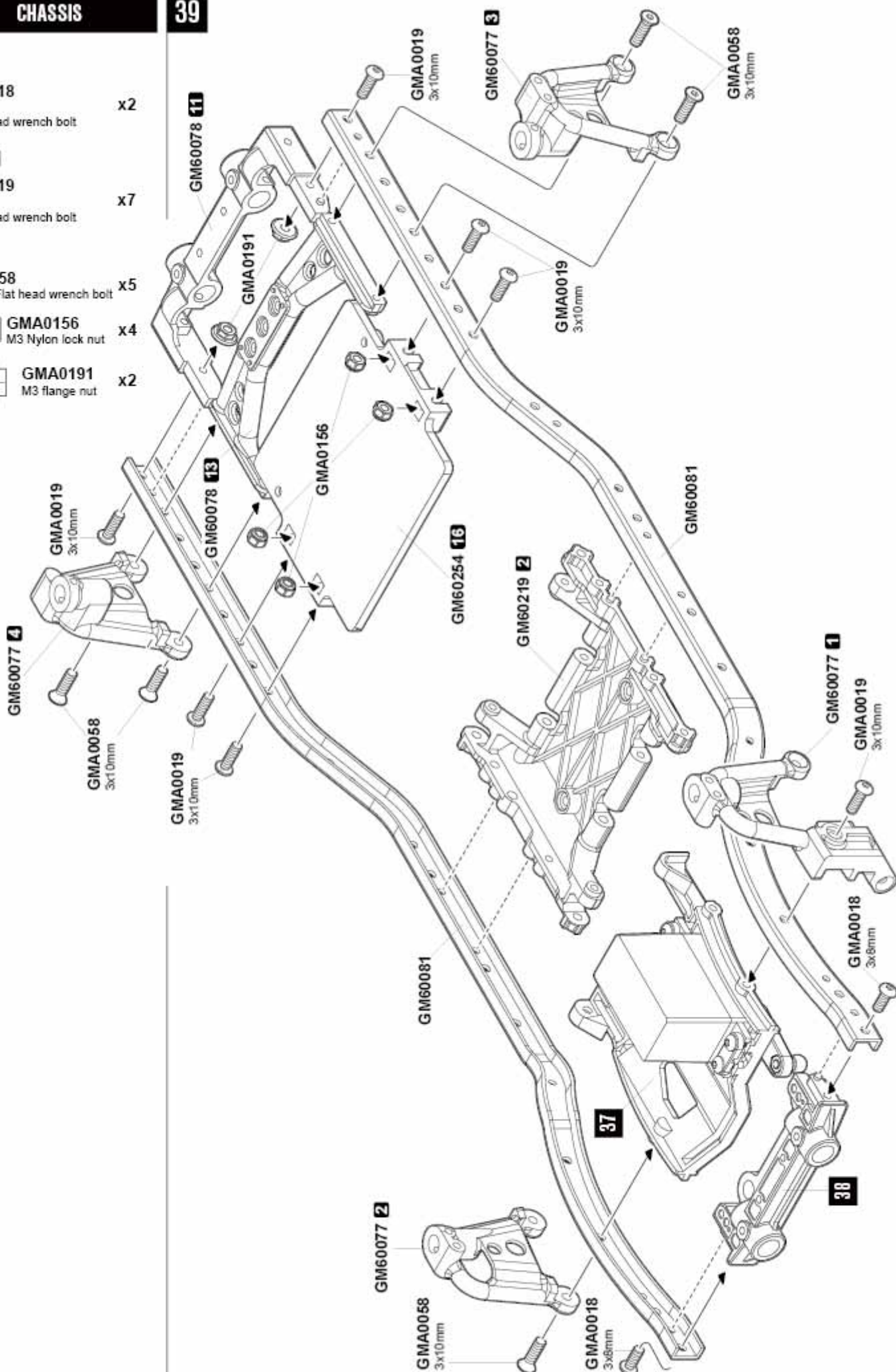
x5

 M3 Nylon lock nut

**x4**

 M3 flange nut

x2



**GMA0018**

3x8mm

Round head wrench bolt

**x3****GMA0019**

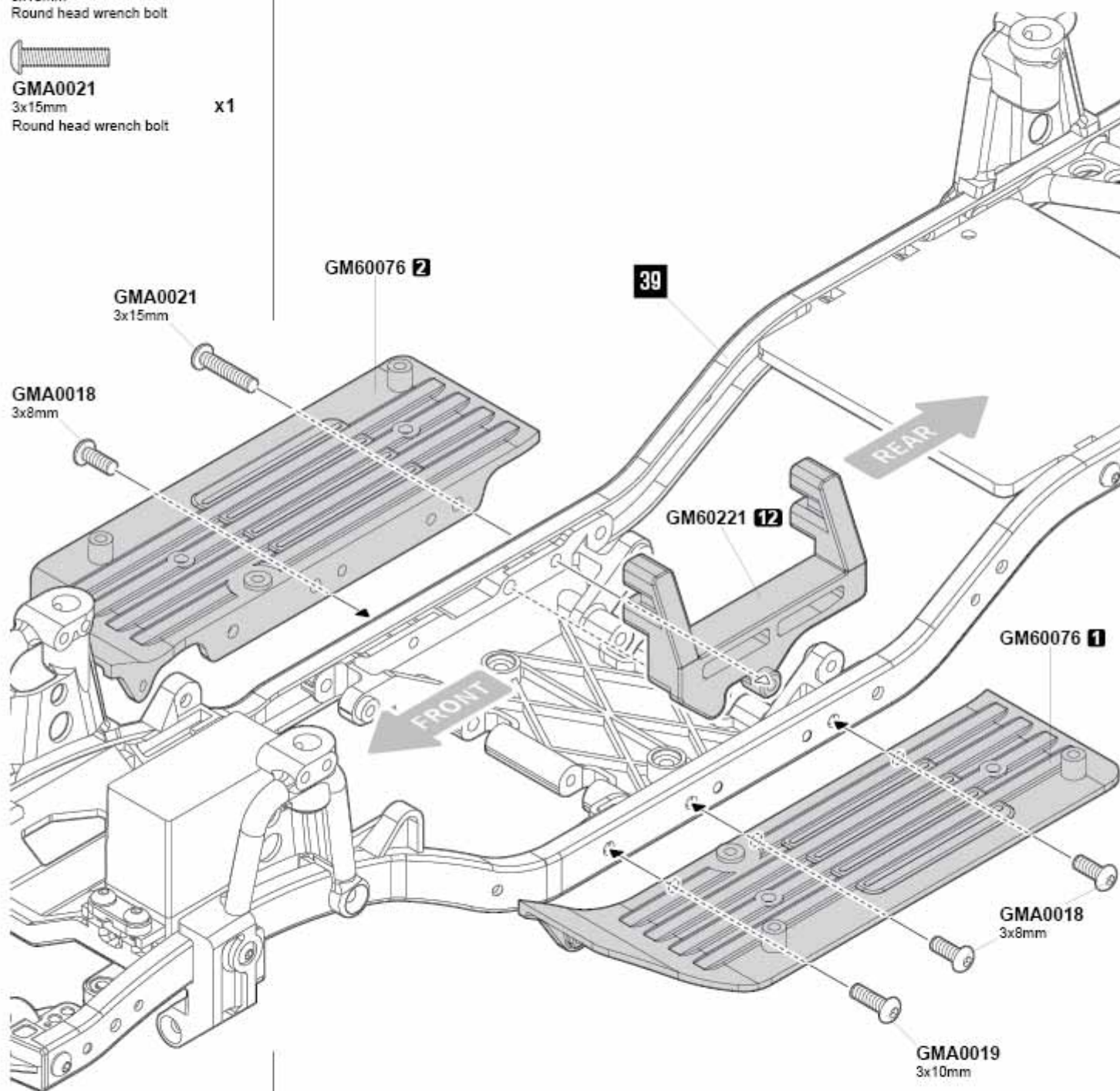
3x10mm

Round head wrench bolt

**x1****GMA0021**

3x15mm






Round head wrench bolt

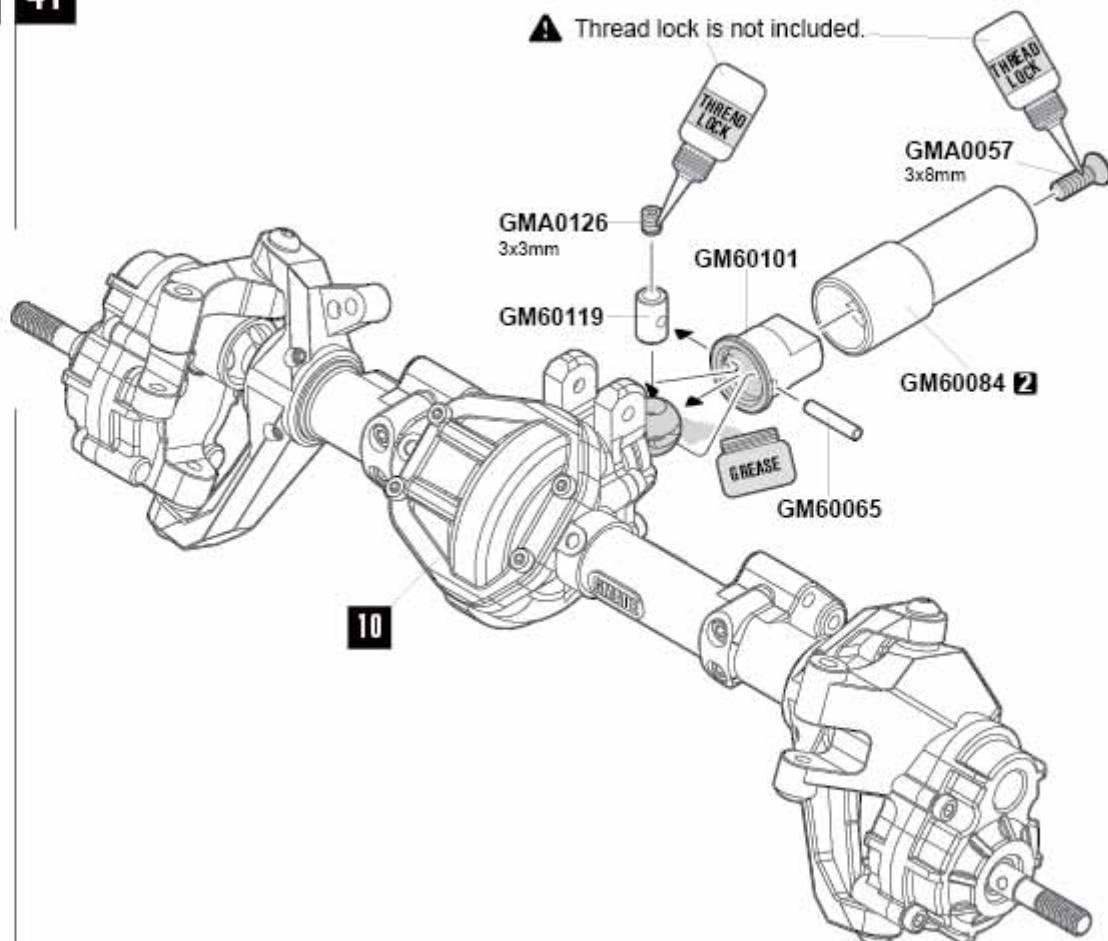
**x1**



## FRONT UNIVERSAL SHAFT






41

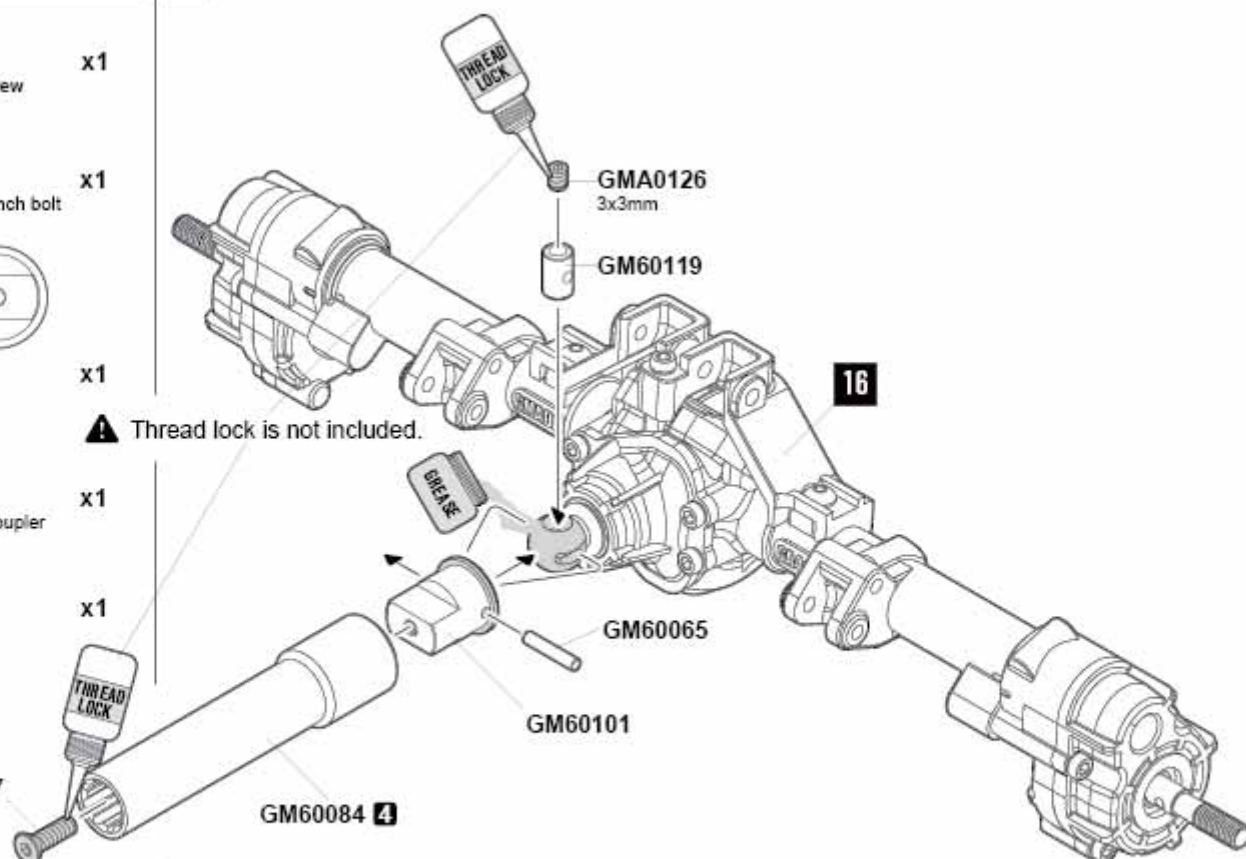
-  **GMA0126** x1  
3x3mm Socket set screw
-  **GMA0057** x1  
3x8mm Flat head wrench bolt
-  **GM60101** x1  
Universal joint cup
-  **GM60119** x1  
Universal joint drive coupler
-  **GM60065** x1  
Pin 2x11.4mm










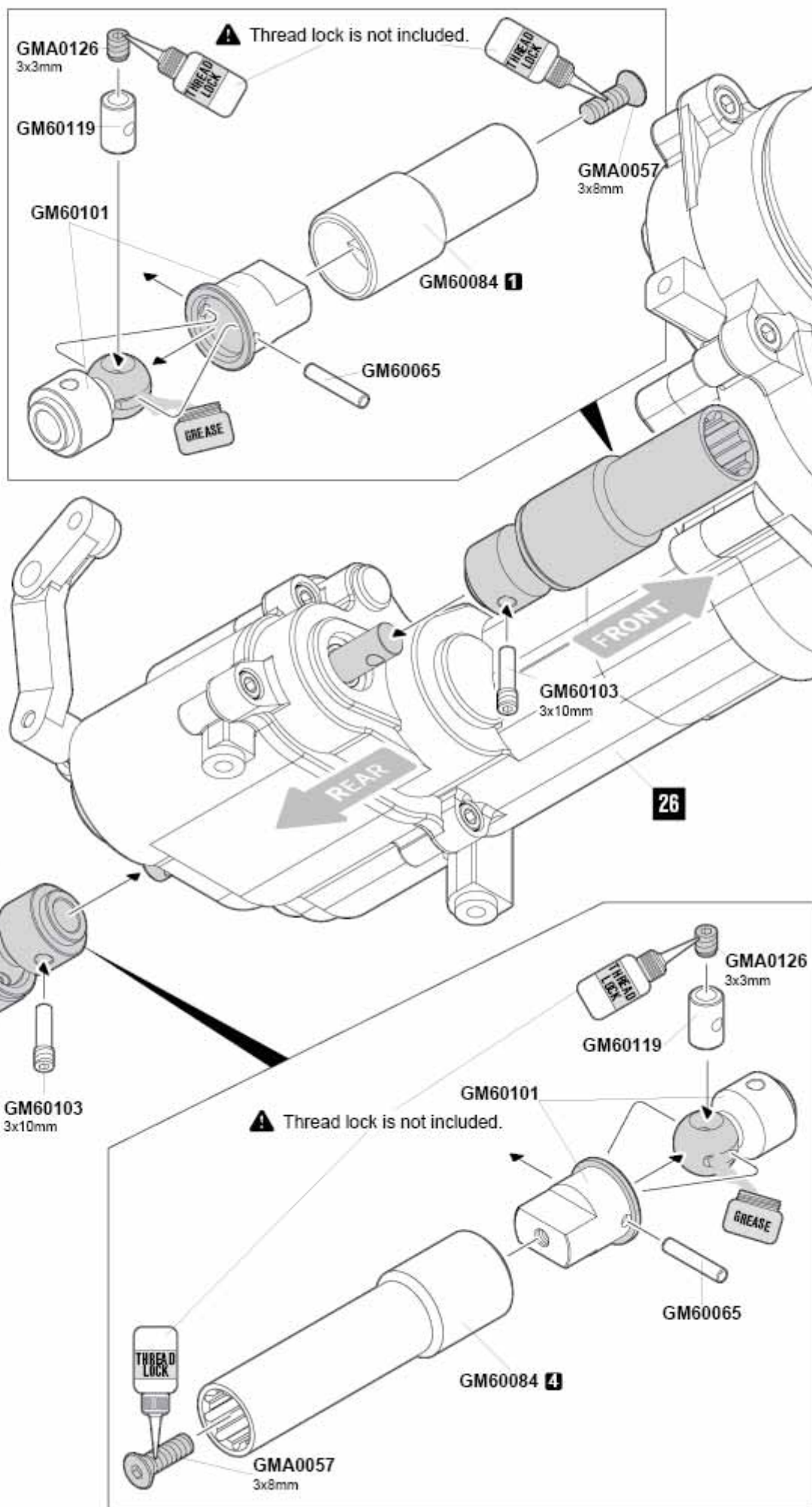
## REAR UNIVERSAL SHAFT

42

-  **GMA0126** x1  
3x3mm Socket set screw
-  **GMA0057** x1  
3x8mm Flat head wrench bolt
-  **GM60101** x1  
Universal joint cup
-  **GM60119** x1  
Universal joint drive coupler
-  **GM60065** x1  
Pin 2x11.4mm



-  **GMA0126**  
3x3mm Socket set screw x2
-  **GMA0057**  
3x8mm Flat head wrench bolt x2
-  **GM60101**  
Universal joint x2
-  **GM60101**  
Universal joint cup x2
-  **GM60119**  
Universal joint drive coupler x2
-  **GM60065**  
Pin 2x11.4mm x2
-  **GM60103**  
3x10mm Screw pin x2

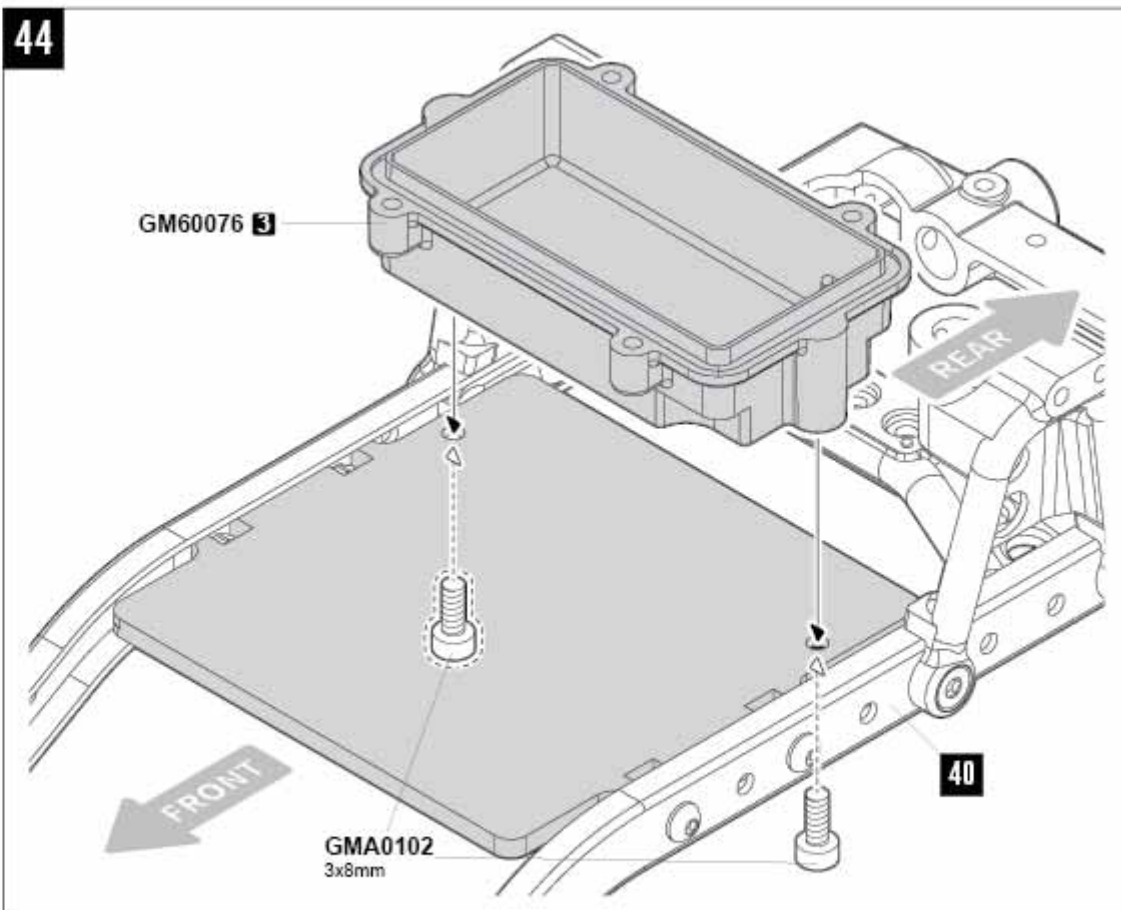






**GMA0102**  
3x8mm Wrench bolt

x2



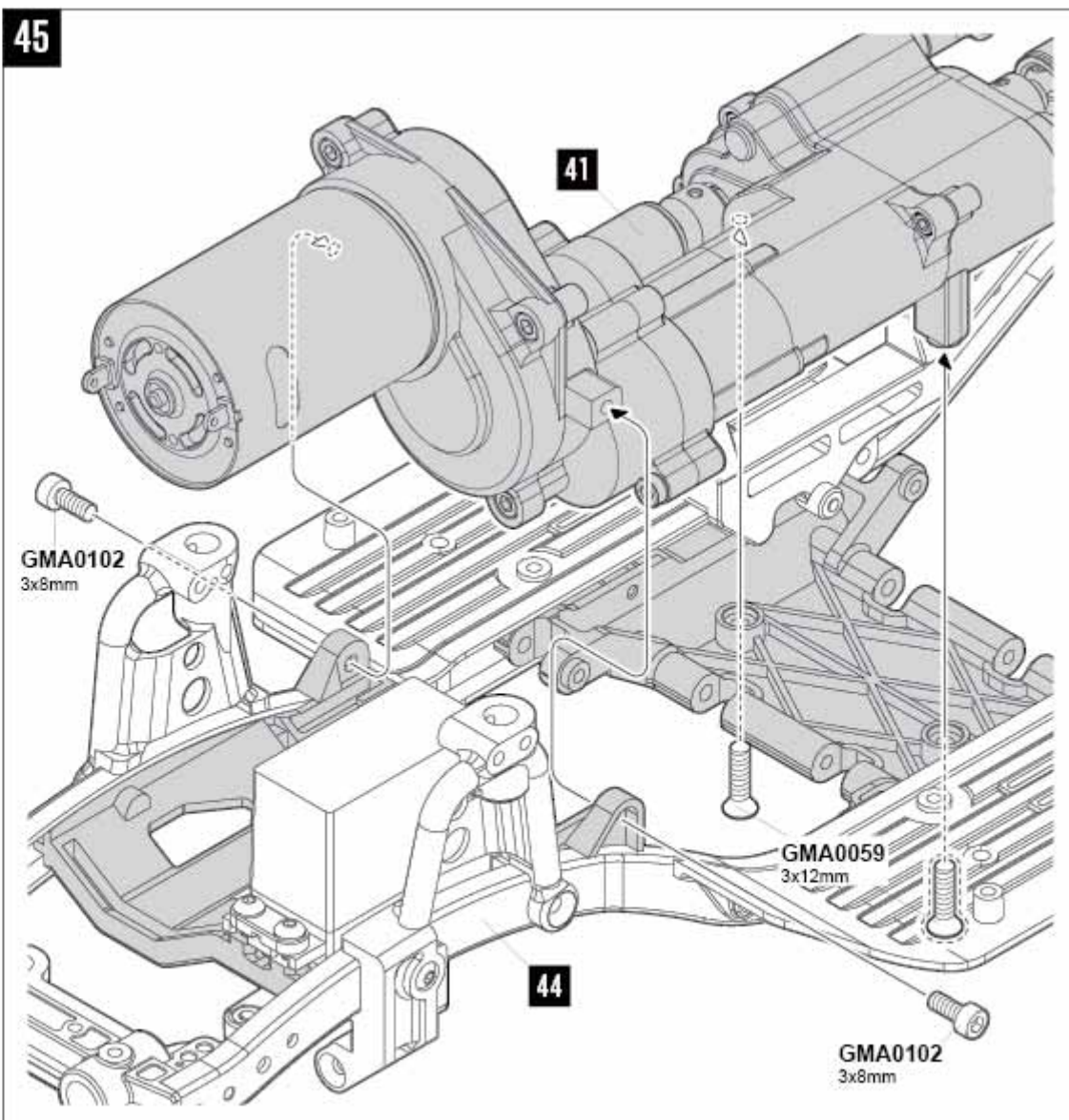
**GMA0102**  
3x8mm Wrench bolt

x2



**GMA0059**  
3x12mm Flat head wrench bolt

x2





# CHASSIS

46



**GMA0022**

3x20mm

Round head wrench bolt

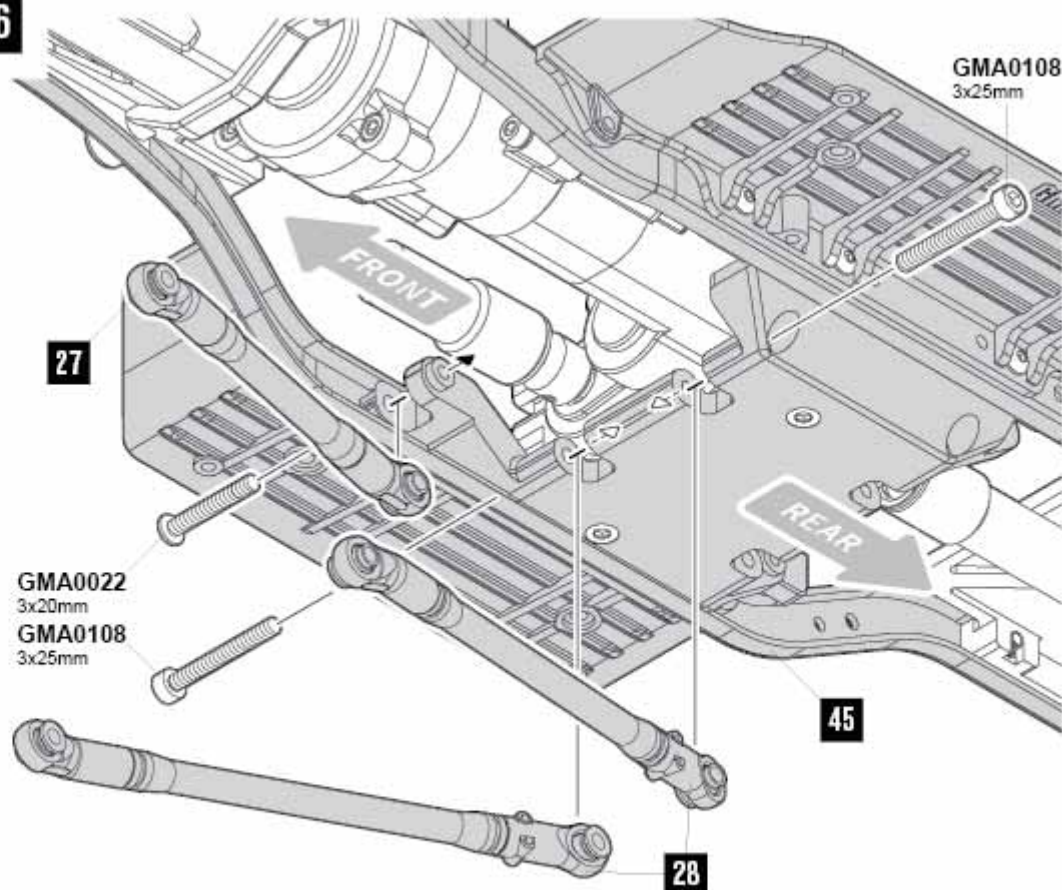
x1



**GMA0108**

3x25mm Wrench bolt

x2



47



**GMA0022**

3x20mm

Round head wrench bolt

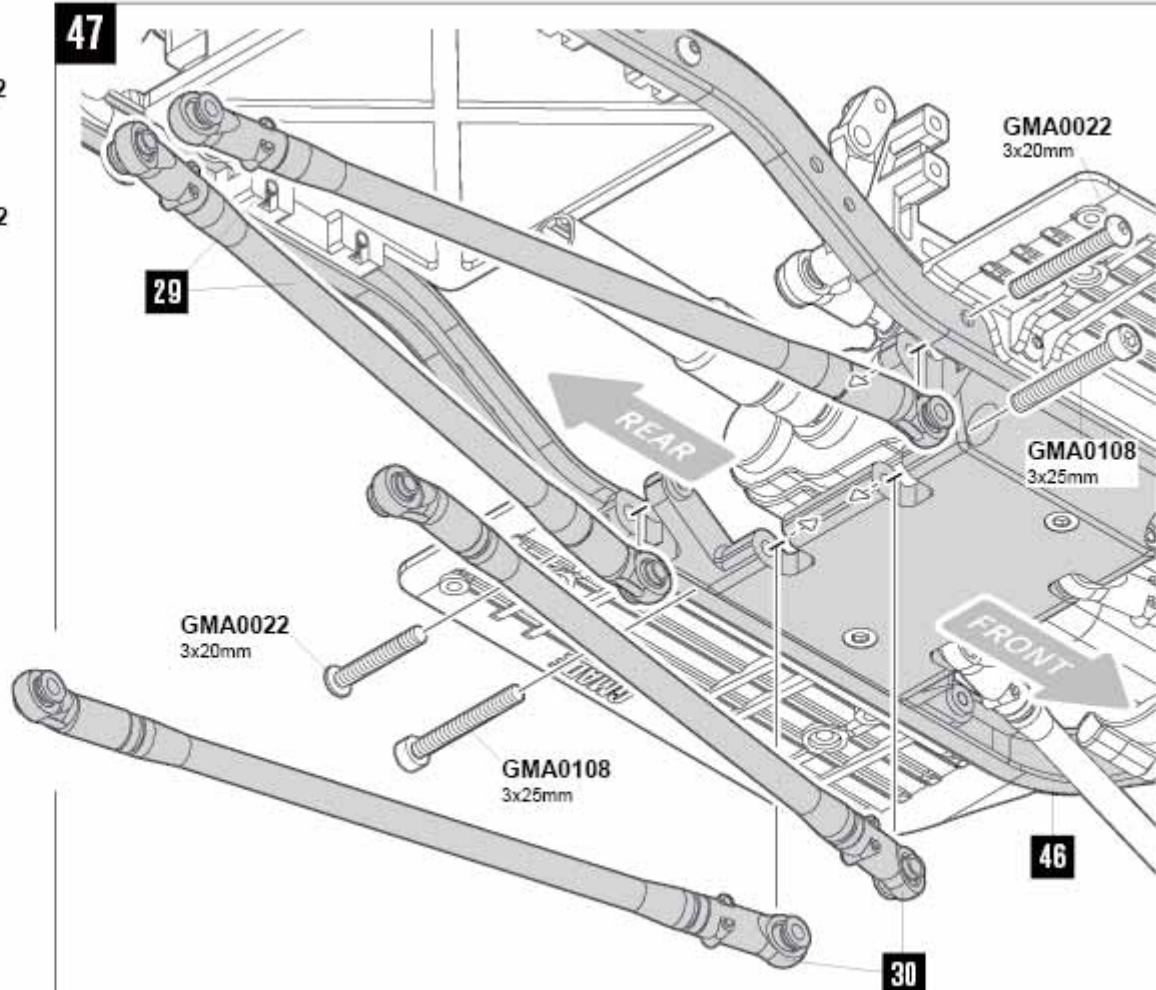
x2



**GMA0108**

3x25mm Wrench bolt

x2



## FRONT AXLE

48

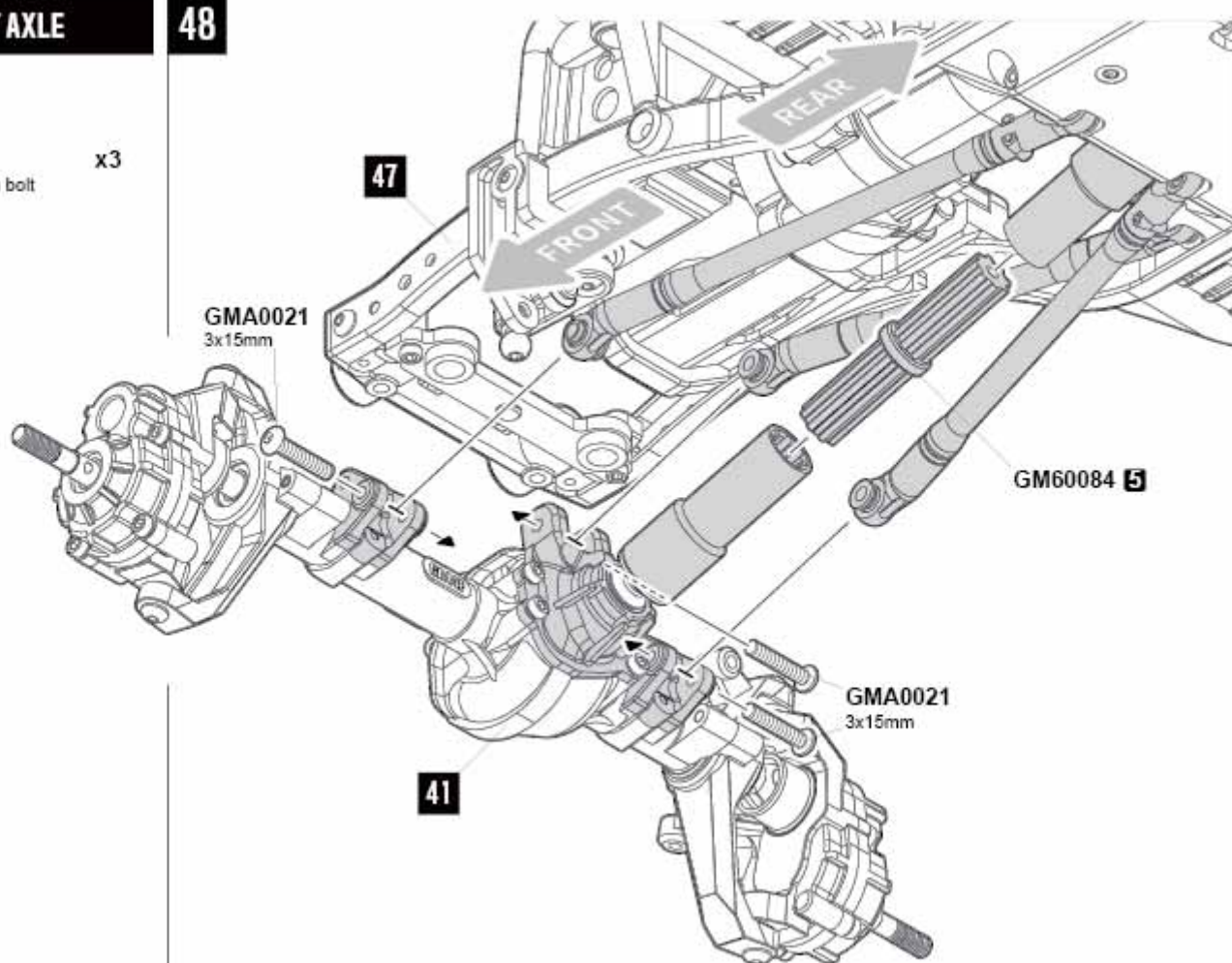


GMA0021

3x15mm

Round head wrench bolt

x3



## REAR AXLE

49



GMA0021

3x15mm

Round head wrench bolt

x2

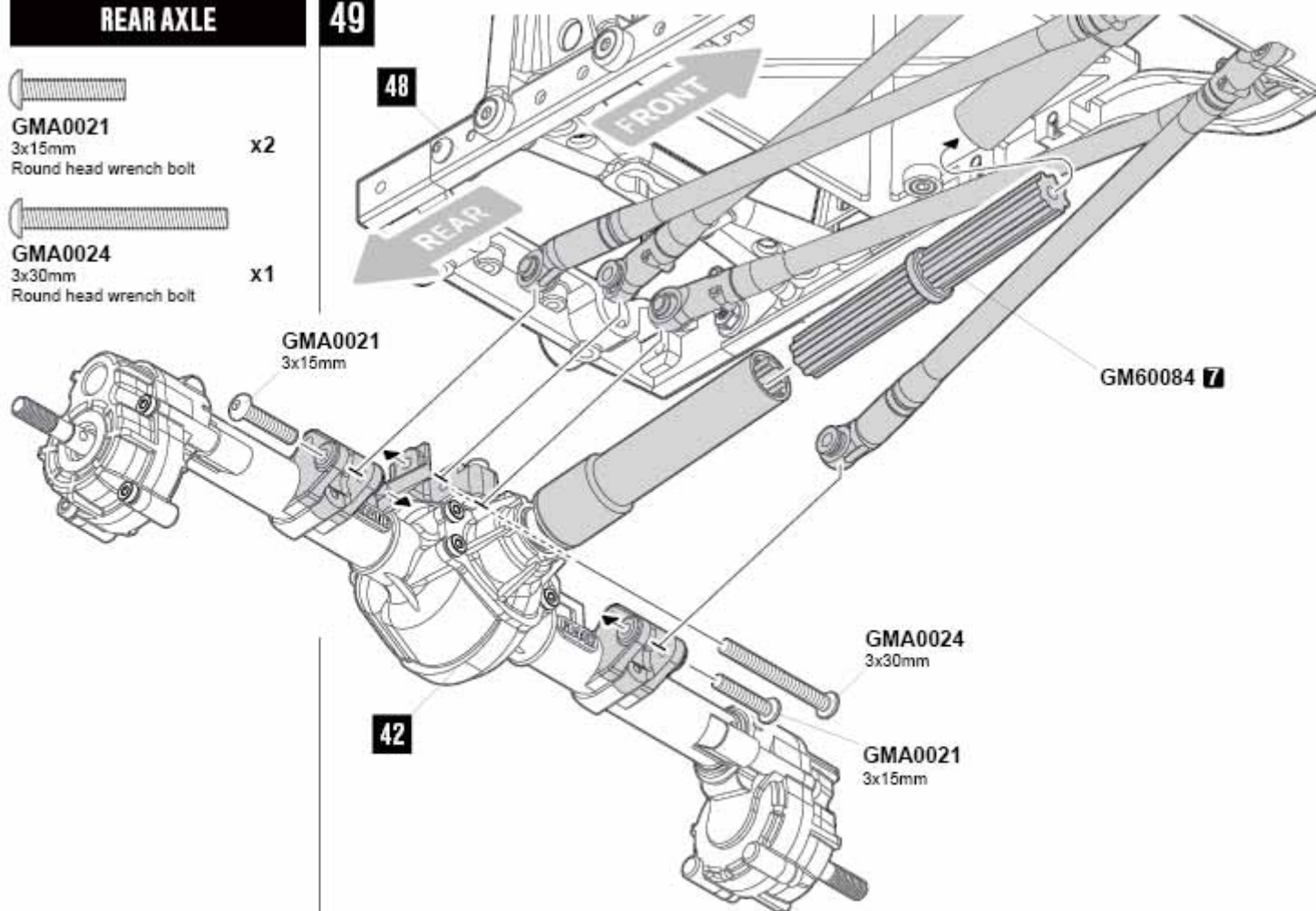


GMA0024

3x30mm

Round head wrench bolt

x1





## PANHARD ROD

50



GMA0021

3x15mm

Round head wrench bolt

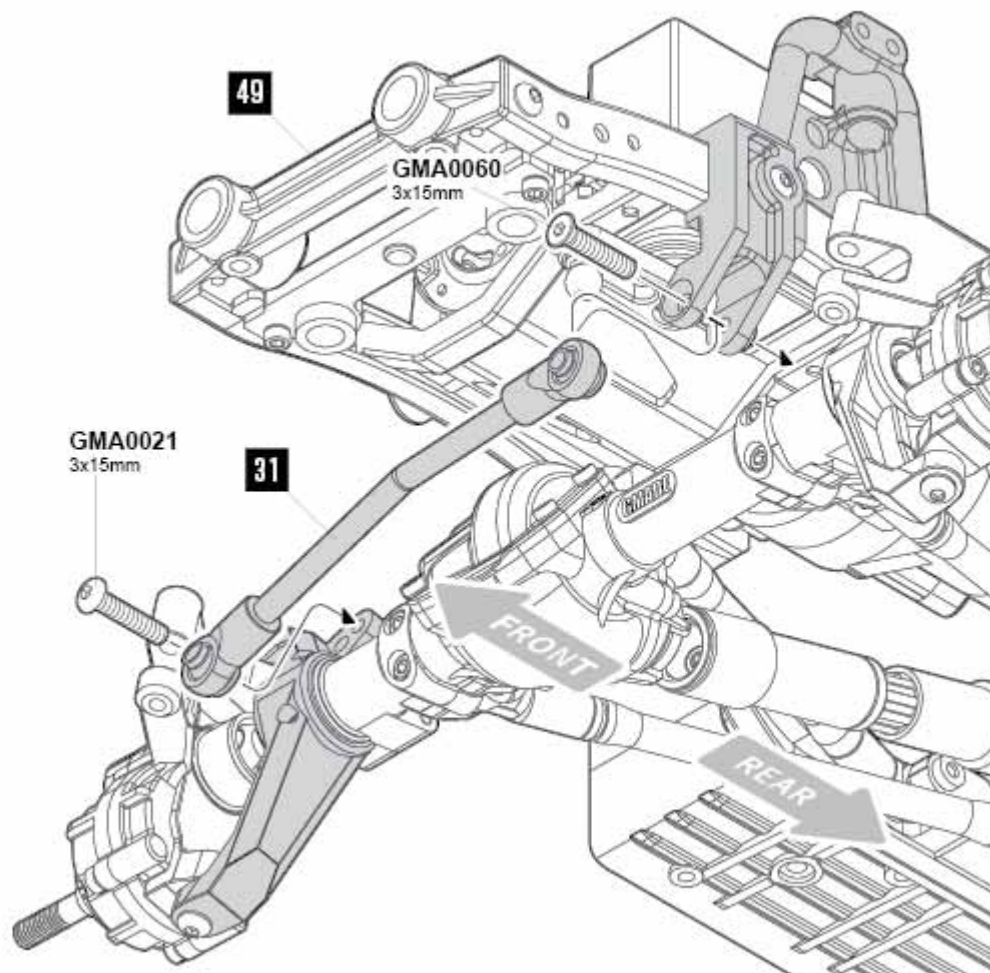
x1



GMA0060

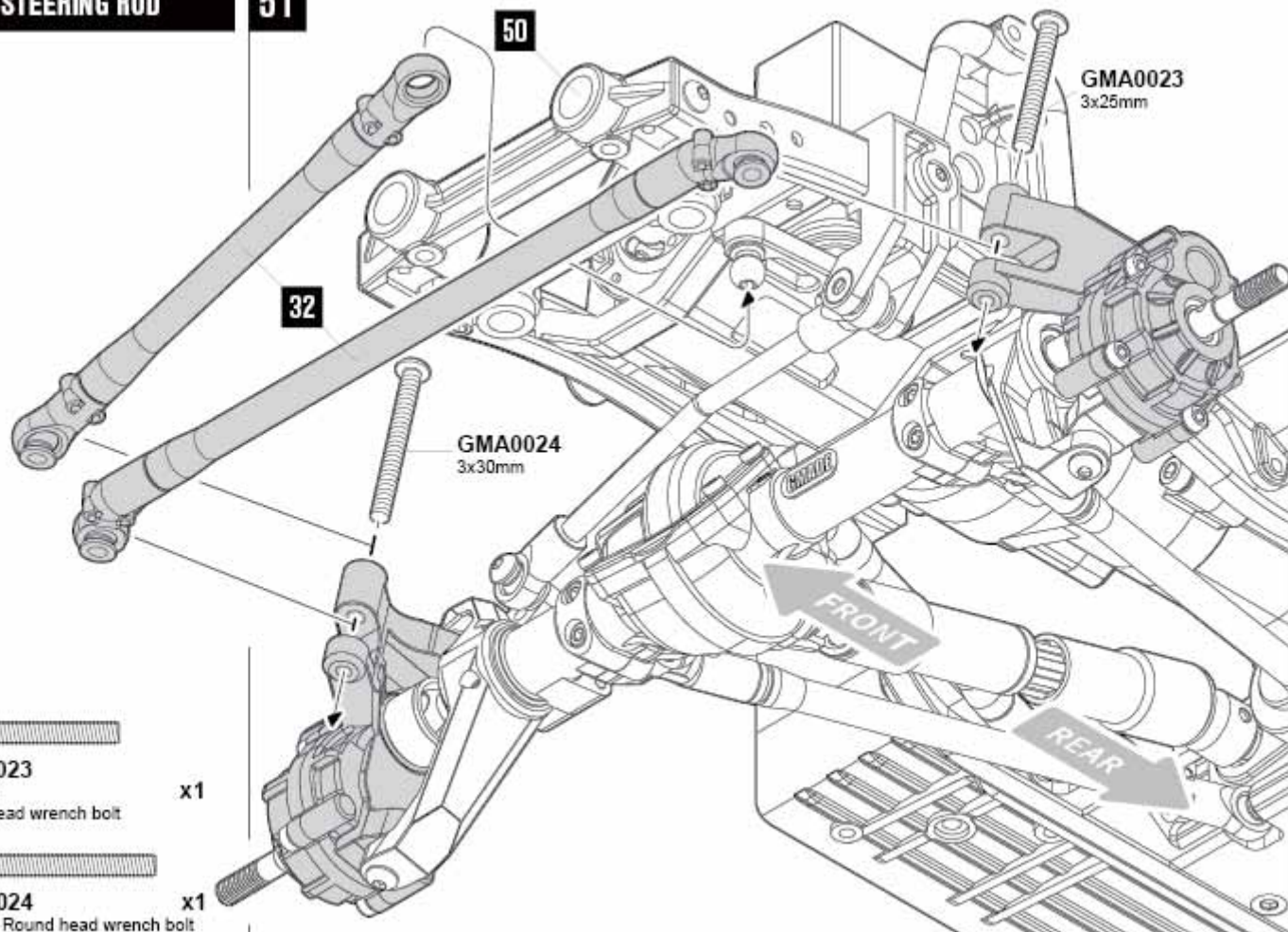
3x15mm Flat head wrench bolt

x1



## STEERING ROD

51



GMA0023

3x25mm

Round head wrench bolt

x1



GMA0024

3x30mm Round head wrench bolt

x1



# INNER FENDER

52

⚠ Left

⚠ Right



GMA0018

3x8mm  
Round head wrench bolt

x2



GMA0191

M3 flange nut

x2

GM60255 1

51

GMA0191  
M3 flange nut

51

GM60255 2



GMA0018

3x8mm

GMA0020

3x12mm

x2



GMA0020

3x12mm

Round head wrench bolt

GMA0020

3x12mm

GMA0018

3x8mm

53



GMA0019

3x10mm  
Round head wrench bolt

x4



GMA0156

M3 Nylon lock nut

x4

GMA0019  
3x10mm

GMA0156

52

GM60221 13

GMA0019  
3x10mm

## FRONT SHOCK ABSORBER

54



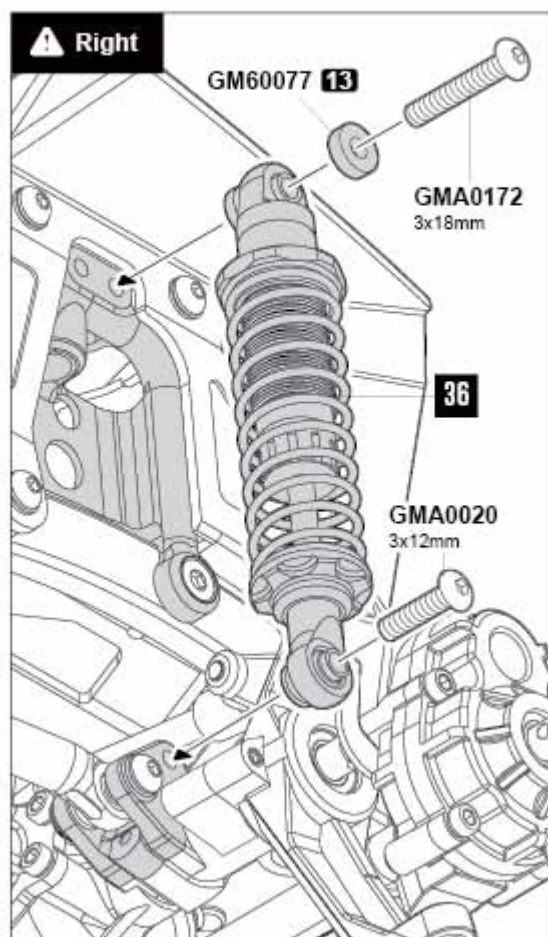
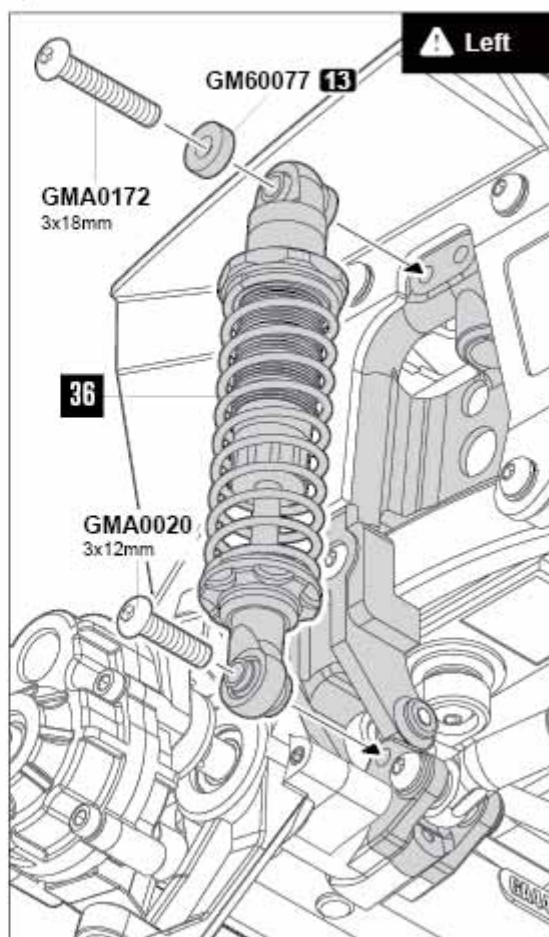
**GMA0020**  
3x12mm  
Round head wrench bolt

x2



**GMA0172**  
3x18mm  
Round head wrench bolt

x2



## REAR SHOCK ABSORBER

55



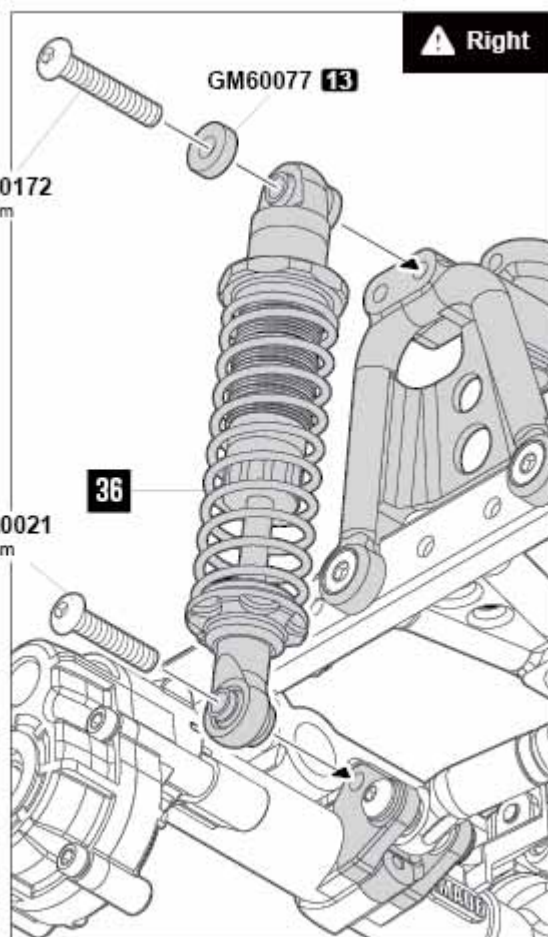
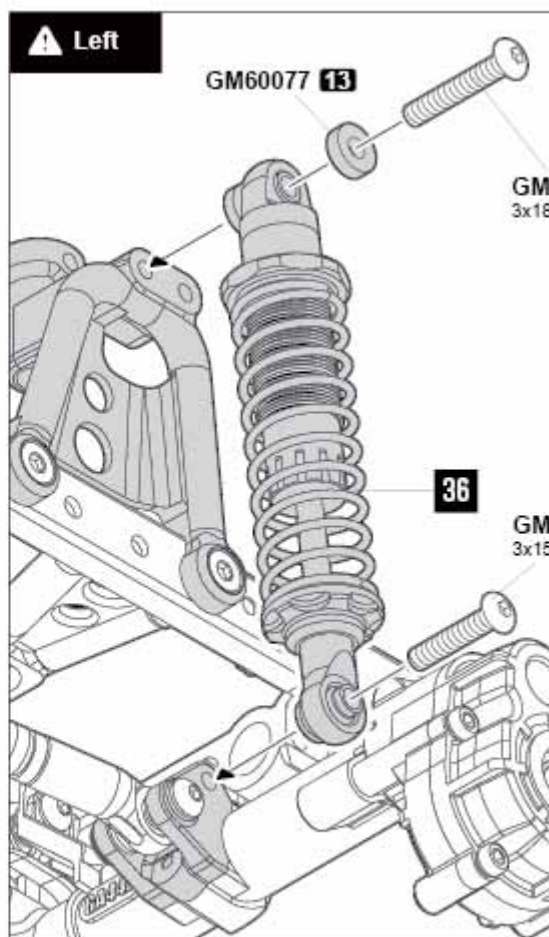
**GMA0021**  
3x15mm  
Round head wrench bolt

x2



**GMA0172**  
3x18mm  
Round head wrench bolt

x2







GMA0020

3x12mm  
Round head wrench bolt

x5



GMA0172

3x18mm  
Round head wrench bolt

x1

GMA0158  
3mm Washer

x1



GM60226

Servo saver spring 9x9.5mm

x1

## SERVO SAVER ADAPTER

SANWA  
Airtronics  
JR  
KO

Hitec



Futaba

GMA0172  
3x18mm

GMA0158

GM60001

GM60226

GM60221 9

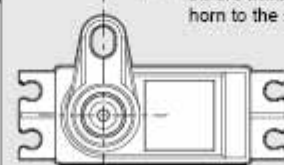
GM60001

⚠ Servo is not included.

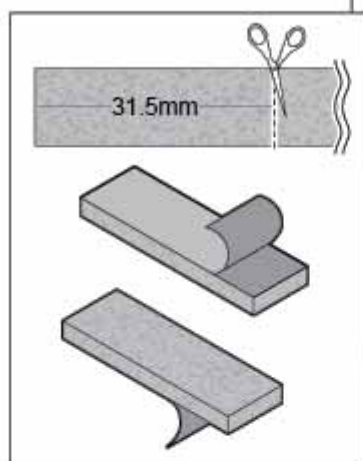
GM60221 5

GMA0020  
3x12mm

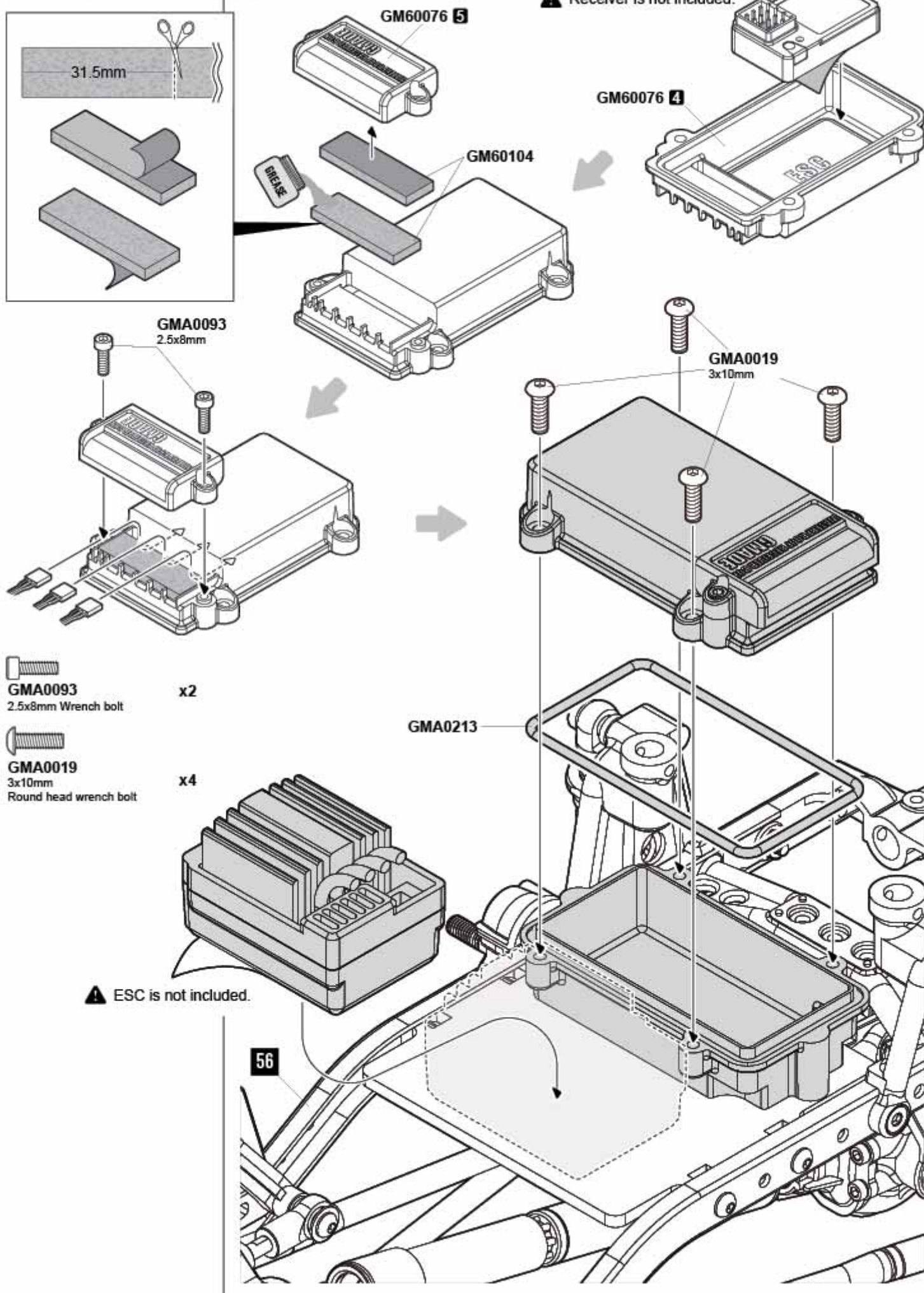
GM60221 7

⚠ Set to the neutral position  
before attaching the servo  
horn to the servo.





⚠ Receiver is not included.



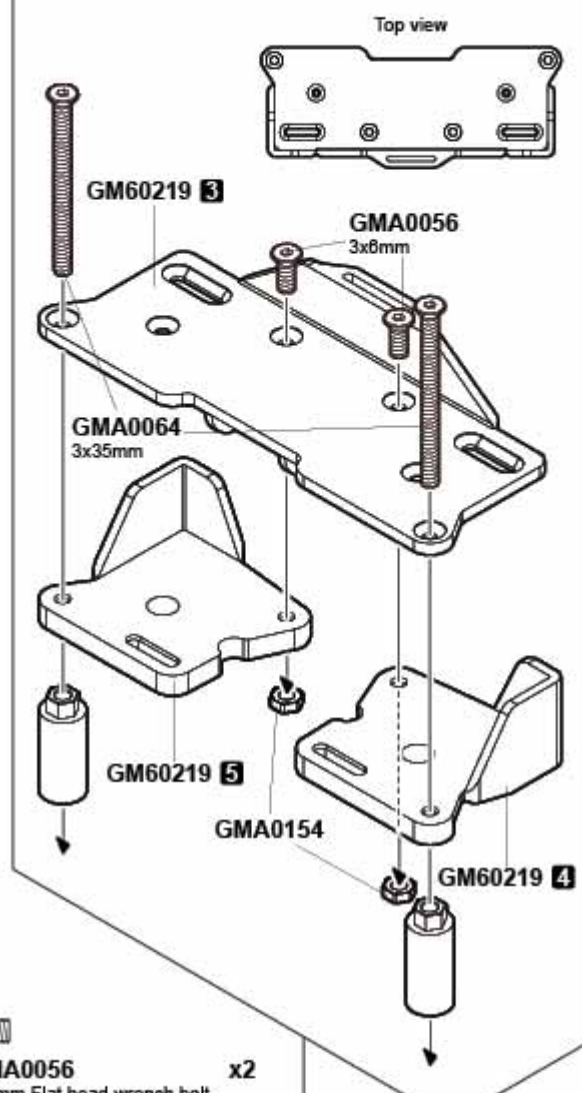
GMA0093  
2.5x8mm Wrench bolt

x2

GMA0019  
3x10mm  
Round head wrench bolt

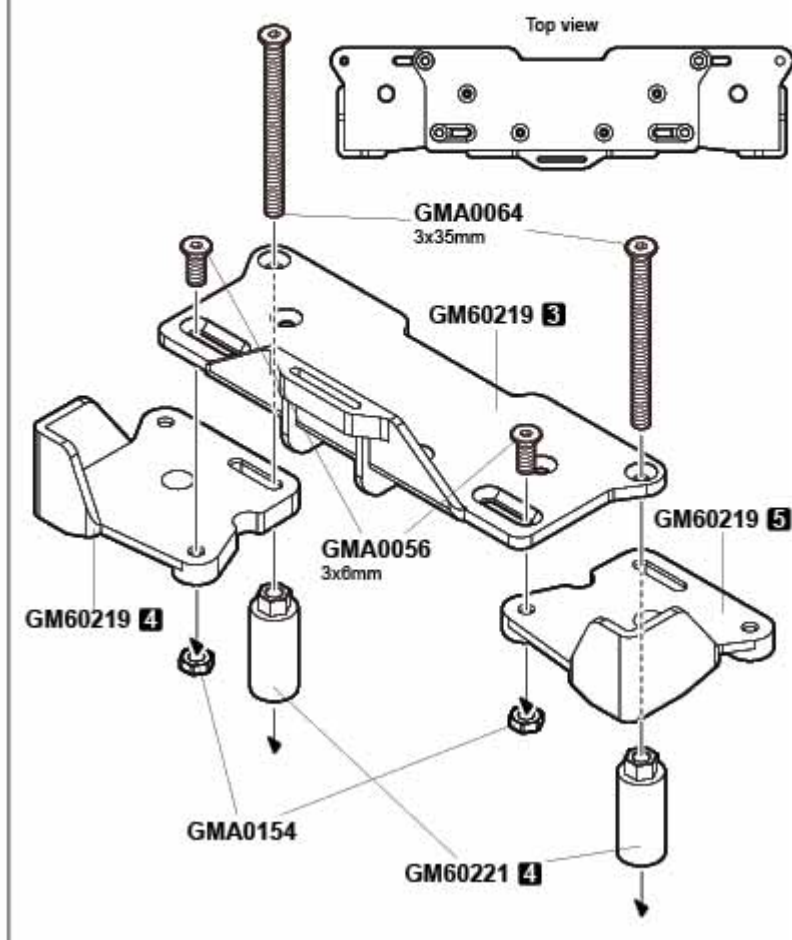
x4

## FOR SHORTY BATTERY

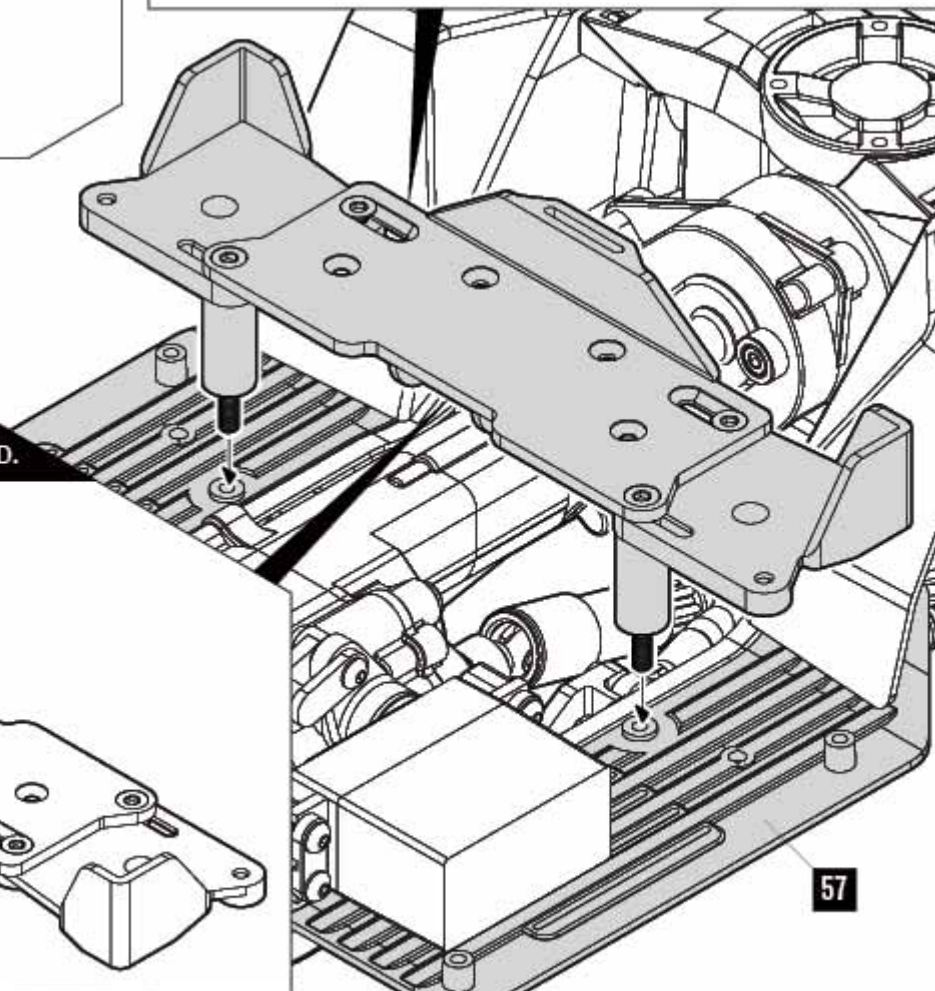
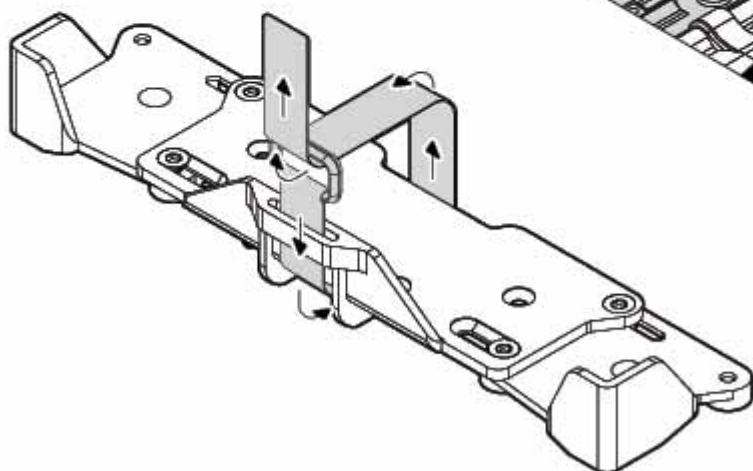


- GMA0056** x2  
3x8mm Flat head wrench bolt
- GMA0064** x2  
3x35mm Flat head wrench bolt
- GMA0154** x2  
M3 Nut

## FOR STANDARD BATTERY



**⚠ INSTALL VELCRO STRAP BEFORE BATTERY TRAY IS INSTALLED.**







**GMA0018**  
3x8mm  
Round head wrench bolt

x4

58

GM60254 14

GM60254 15

**GMA0018**  
3x8mm

**GMA0018**  
3x8mm



**GMA0132**  
3x12mm Socket set screw

x2



**GMA0170**  
P5 O-ring

x2

GMA0170

GM60077 6

**GMA0132**  
3x12mm

59

**GMA0132**  
3x12mm



## FRONT BUMPER

61

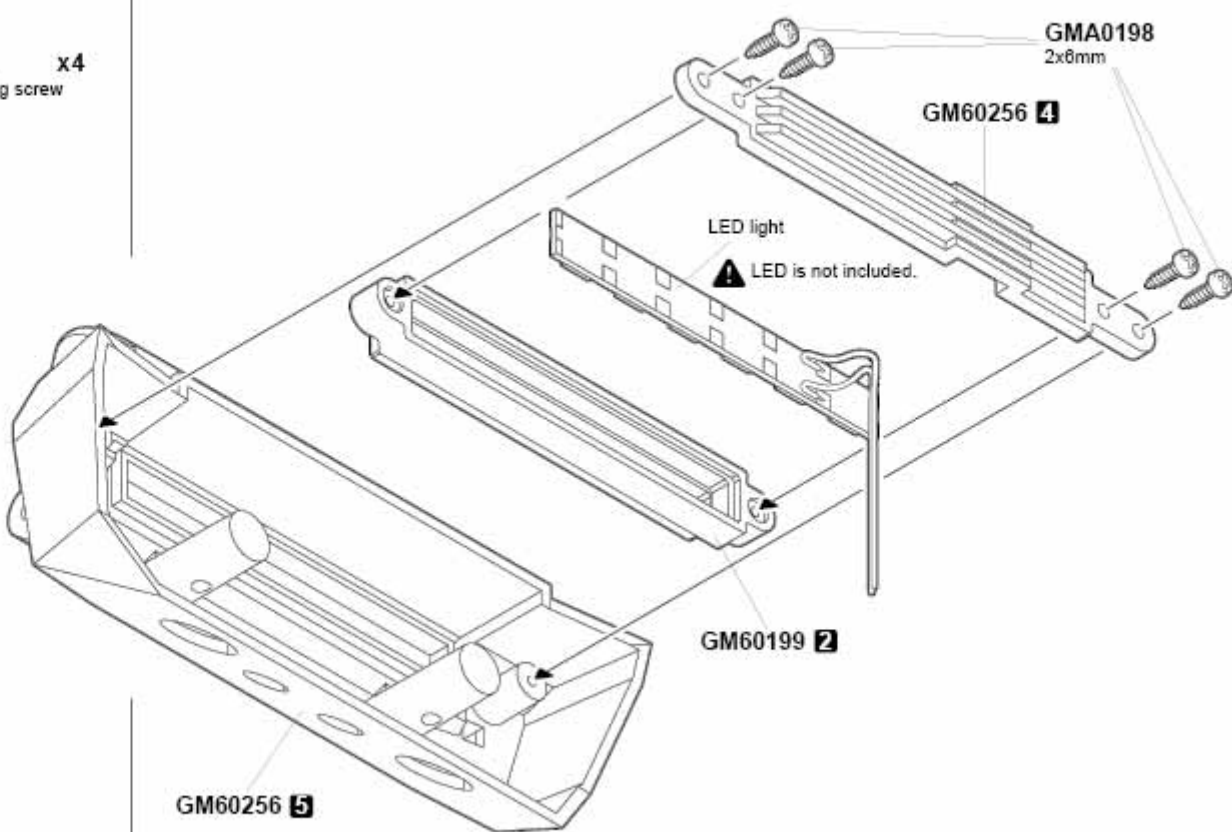


GMA0198

2x6mm

Nickel round head tapping screw

x4



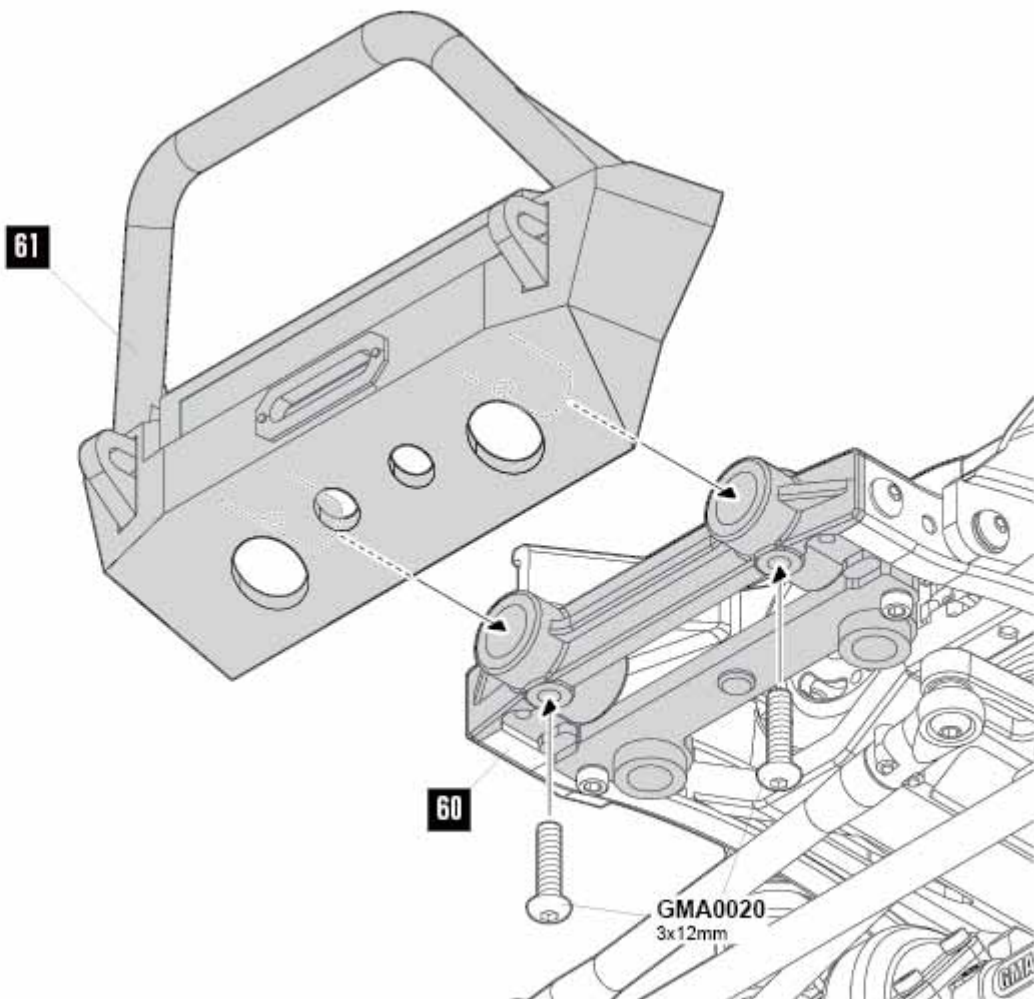
62



GMA0020

3x12mm

Round head wrench bolt

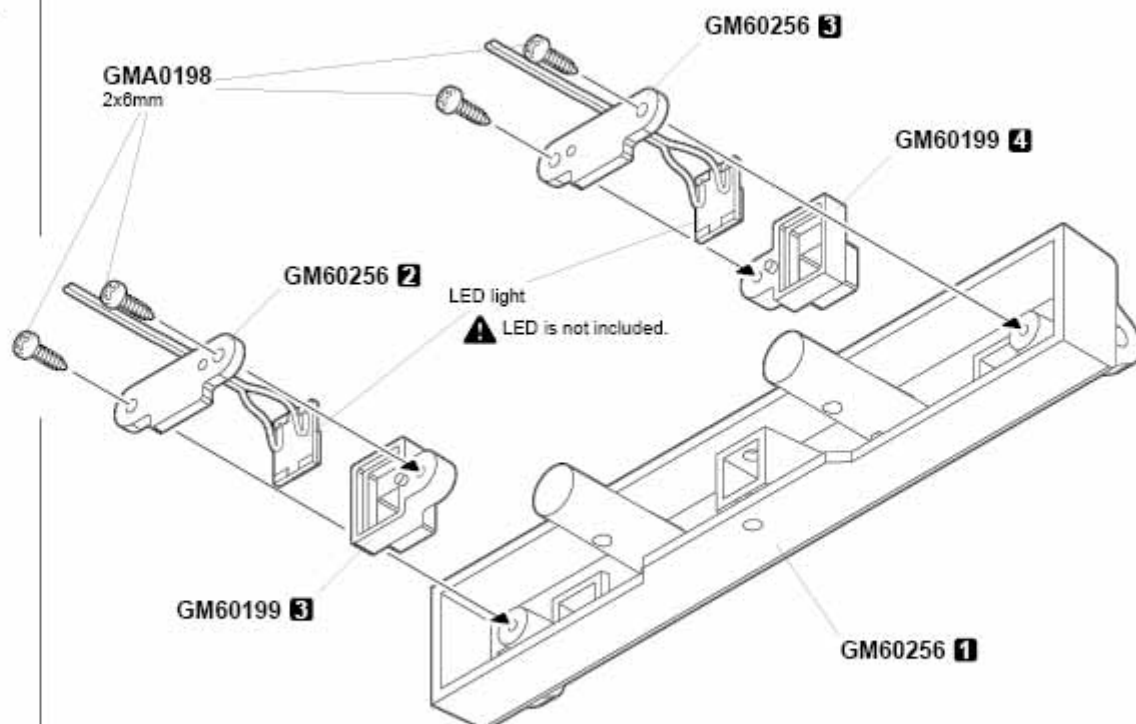
 $x_2$ 

## REAR BUMPER

63



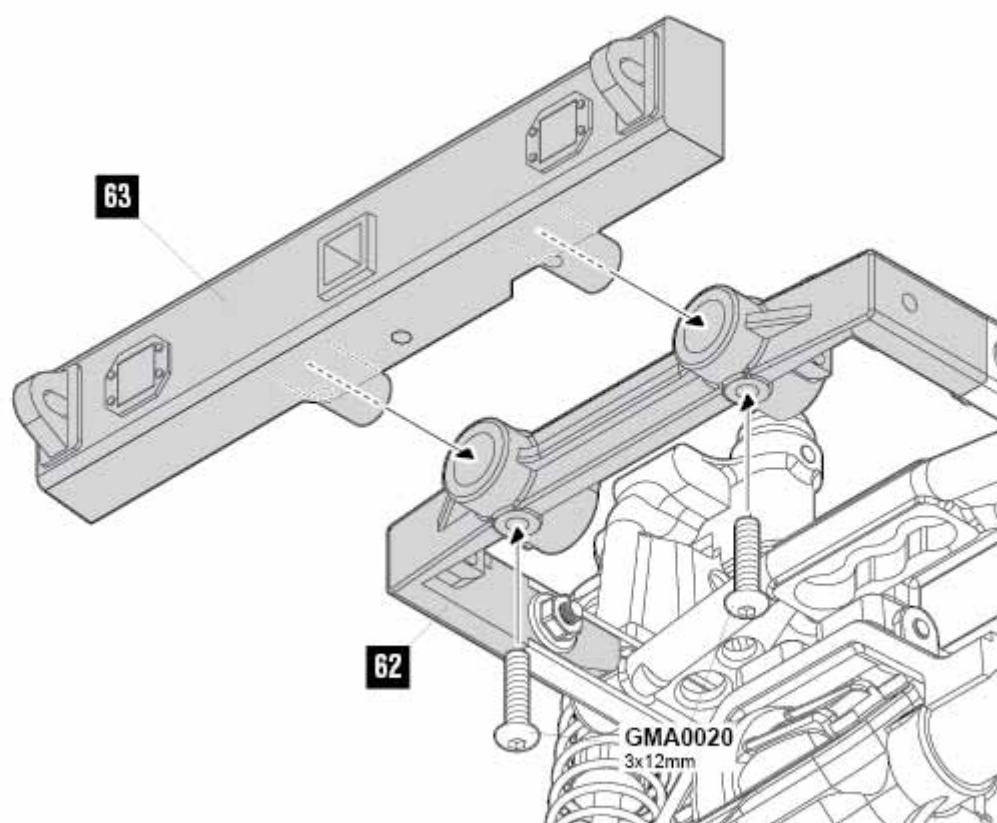
**GMA0198**  
2x6mm  
Nickel round head tapping screw  
x4



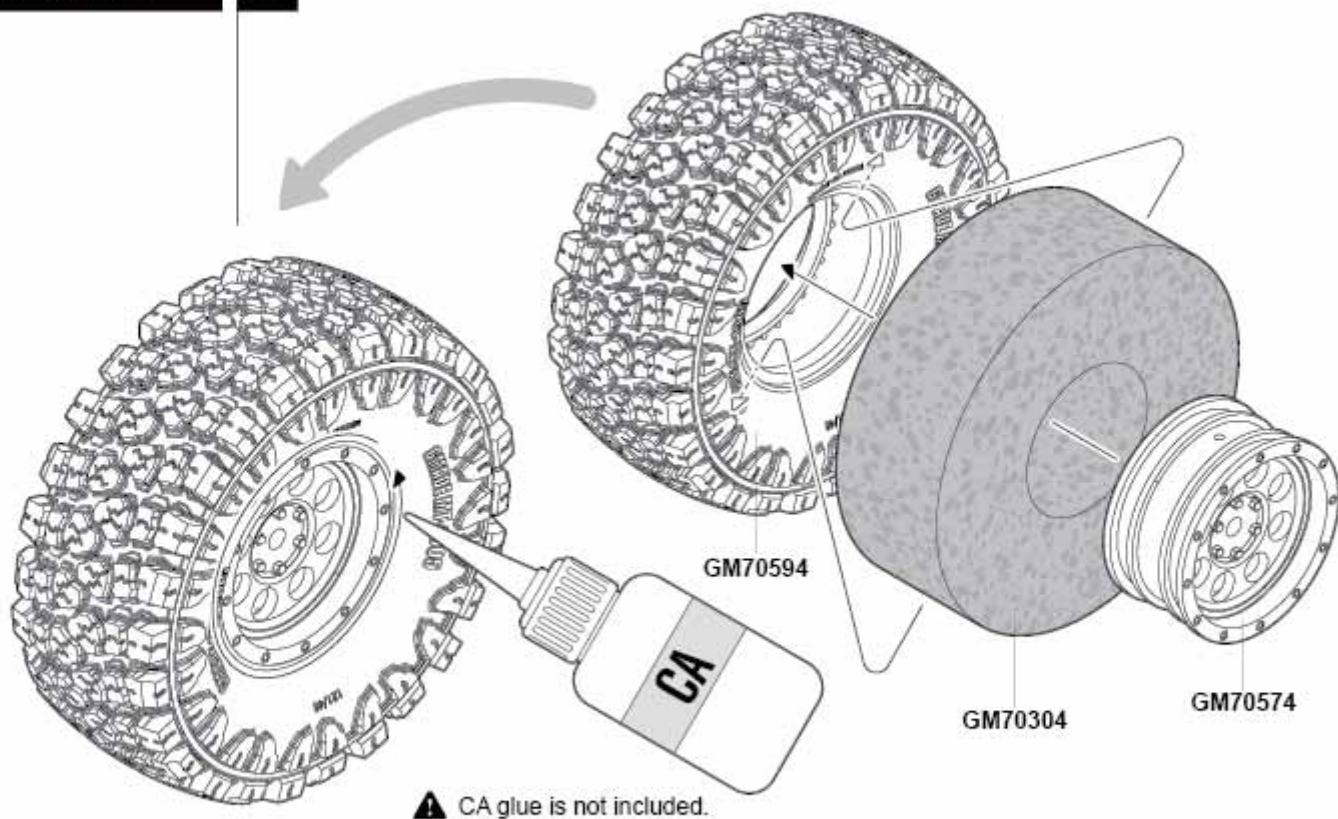
64



**GMA0020**  
3x12mm  
Round head wrench bolt  
x2







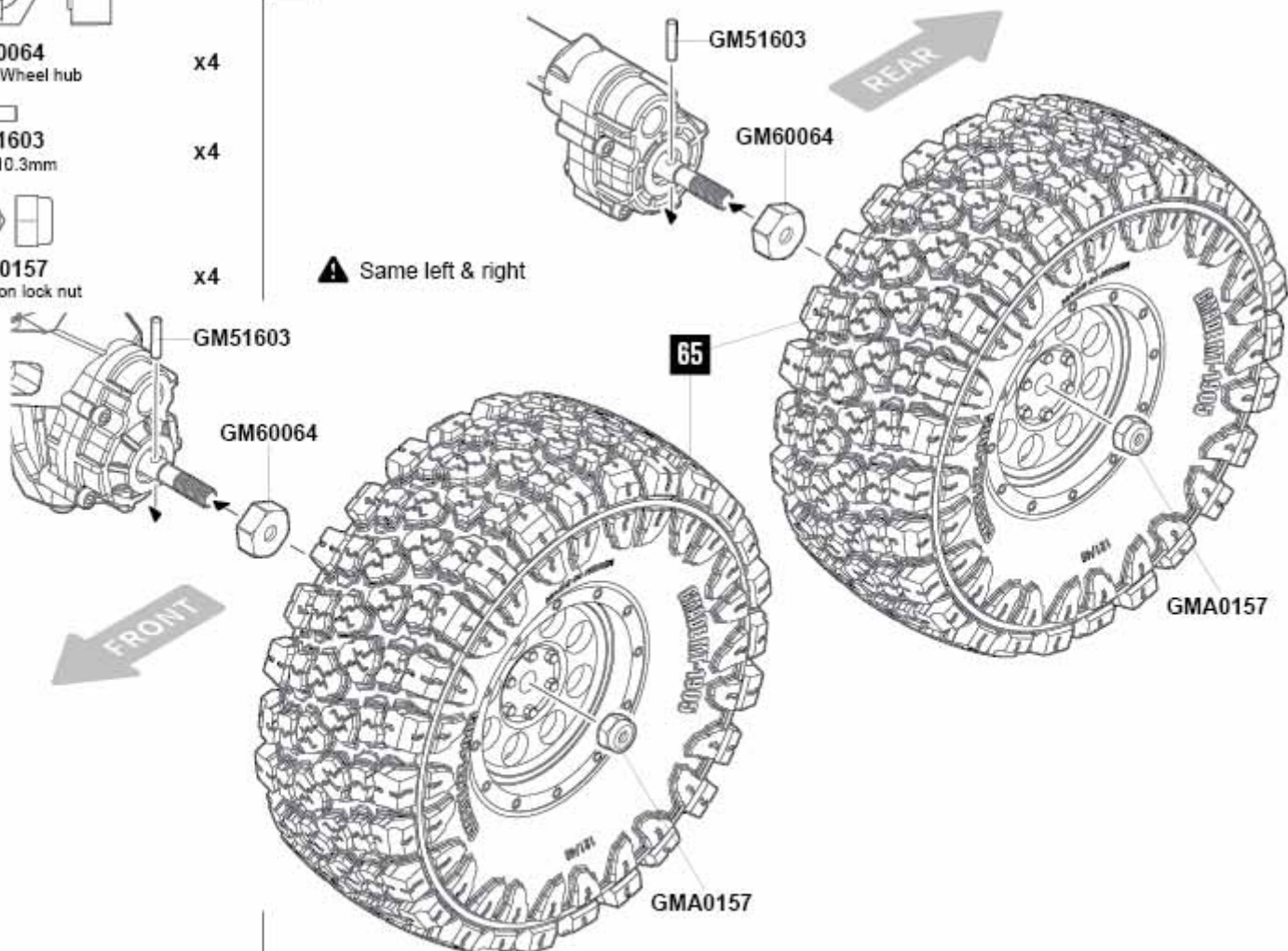
GM60064  
12mm Wheel hub



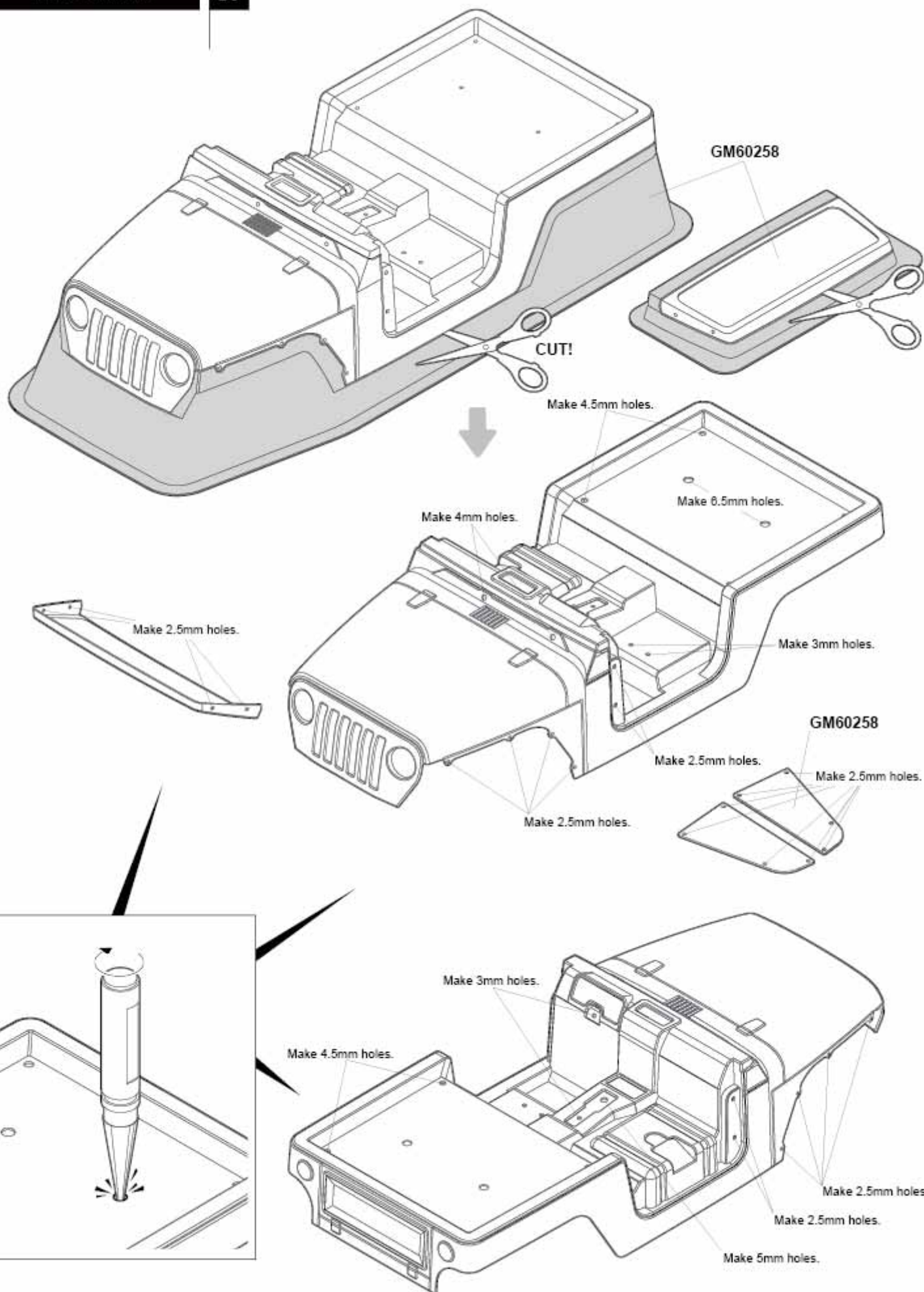
GM51603  
Pin 2x10.3mm



GMA0157  
M4 nylon lock nut

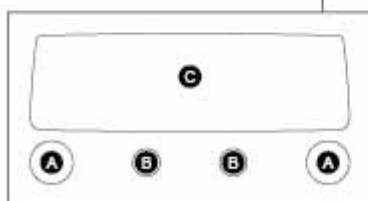
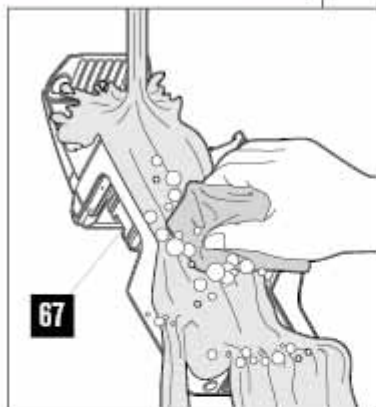




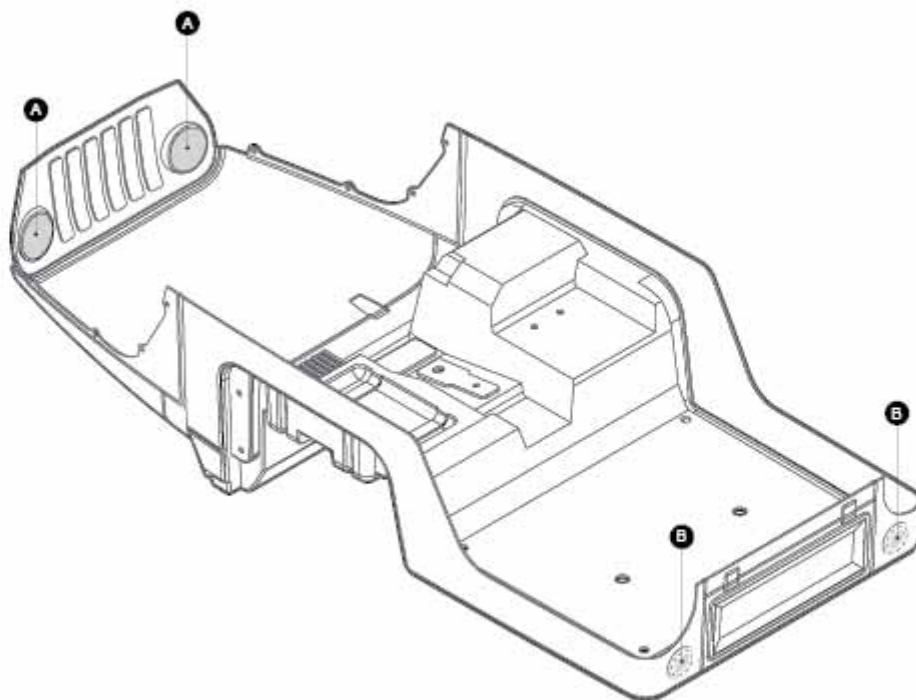


## BODY MASKING

68

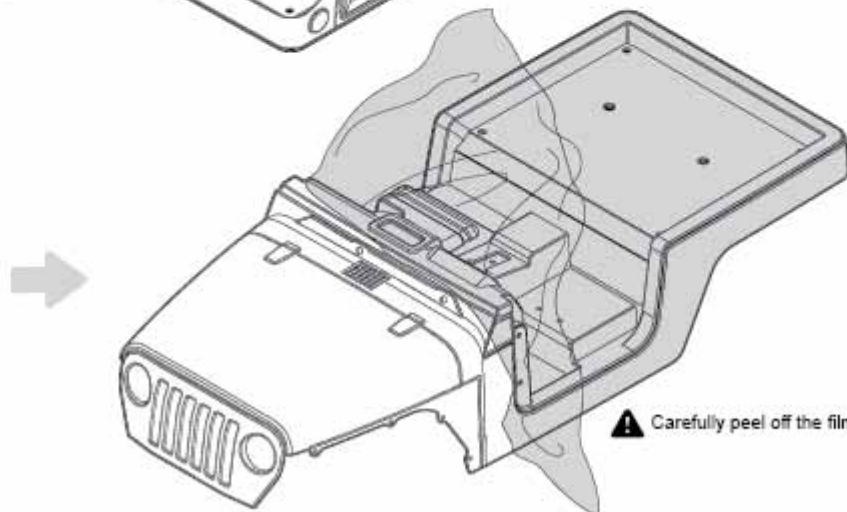
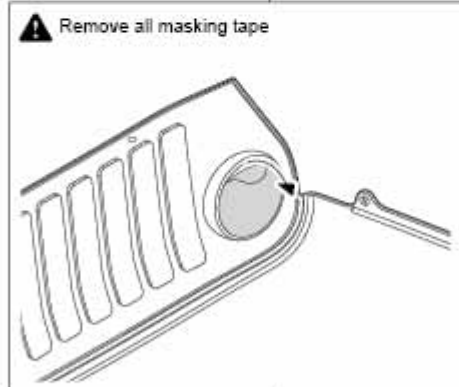
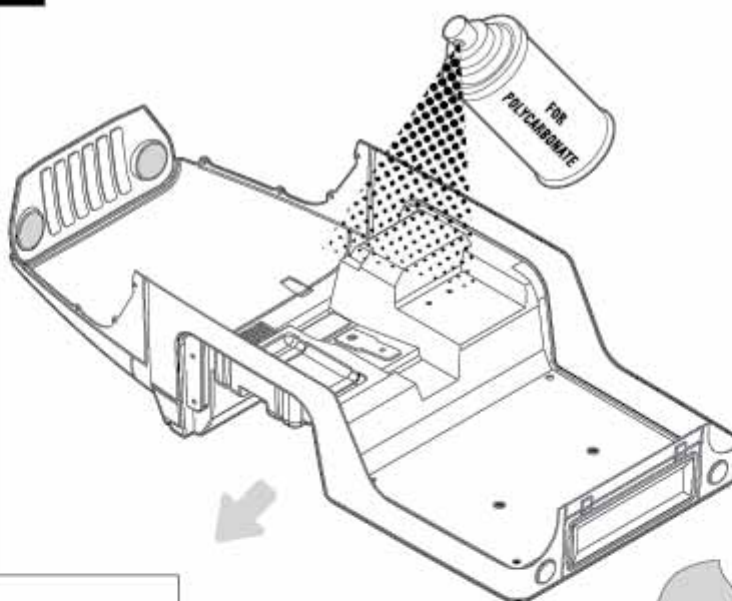


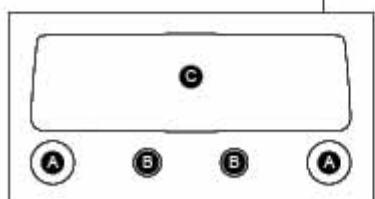
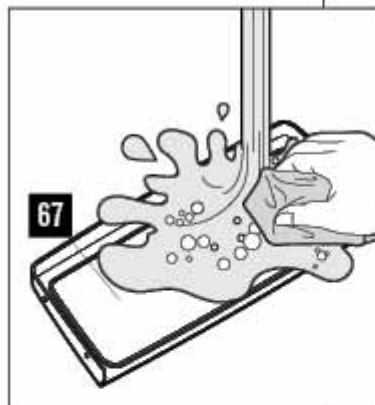
GM60258  
Spider masking tape



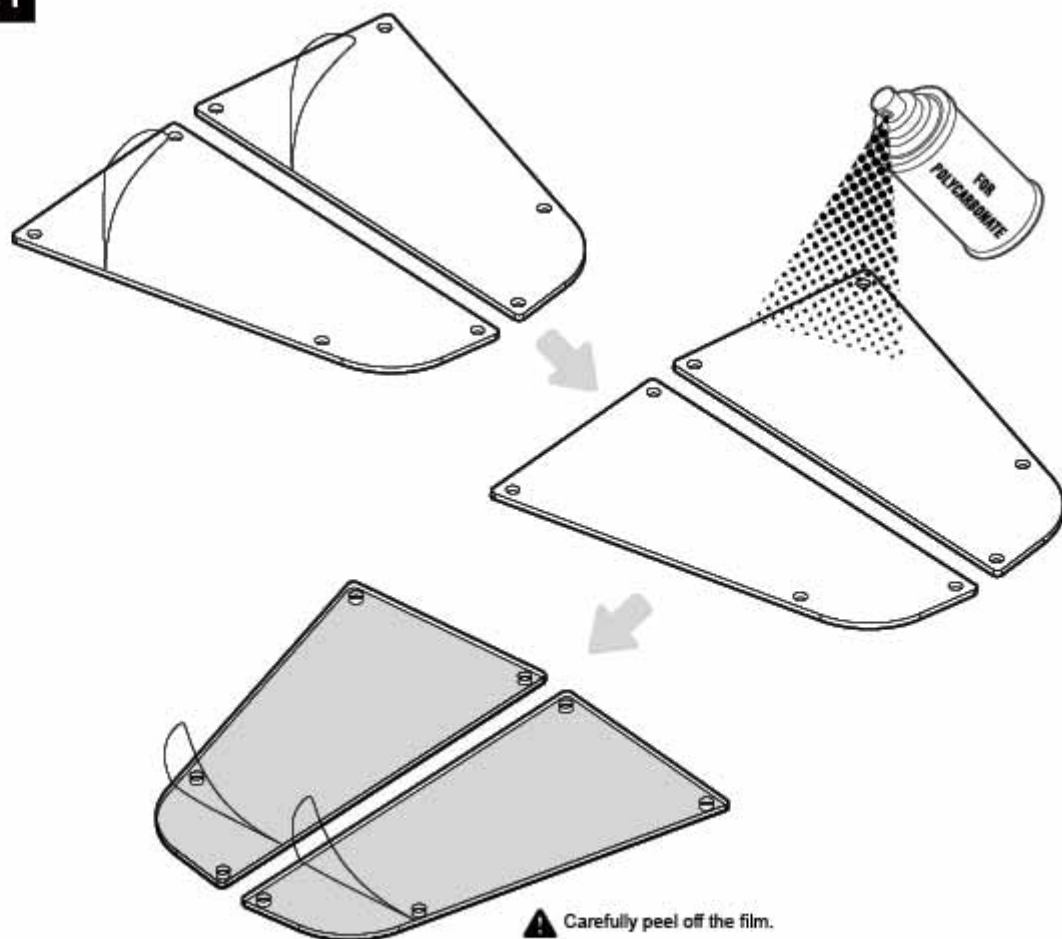
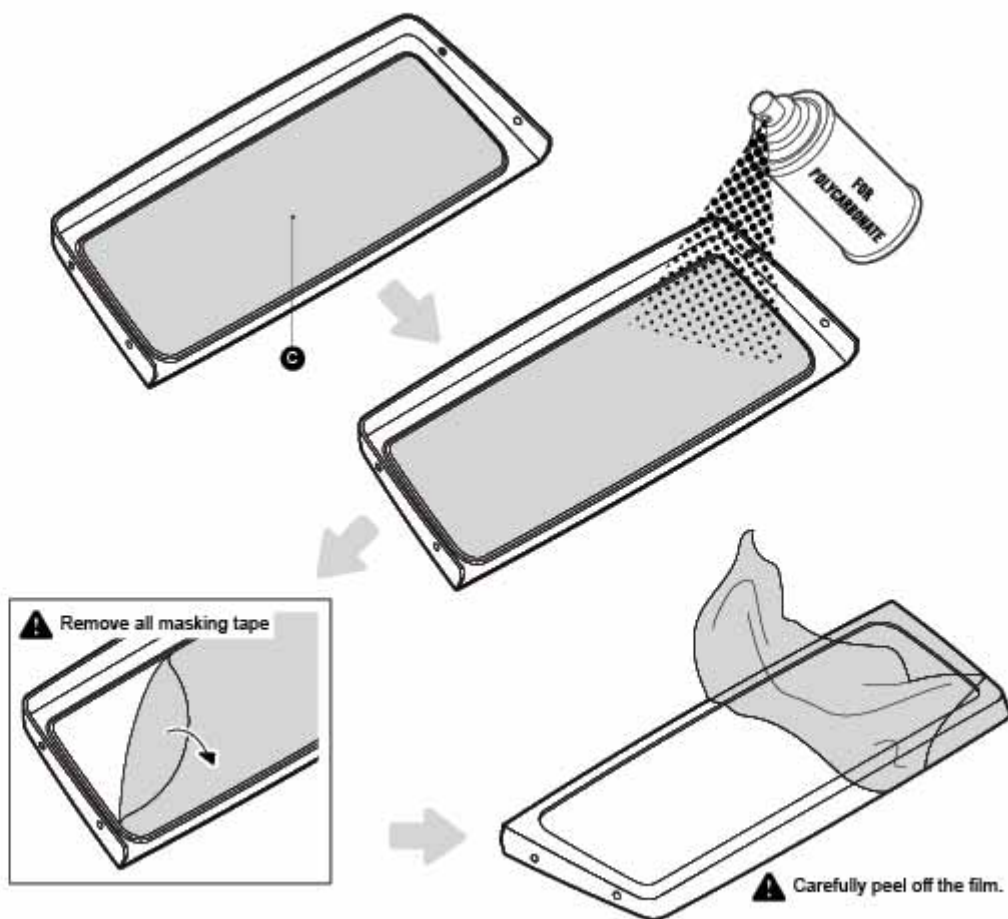
## BODY PAINTING

69

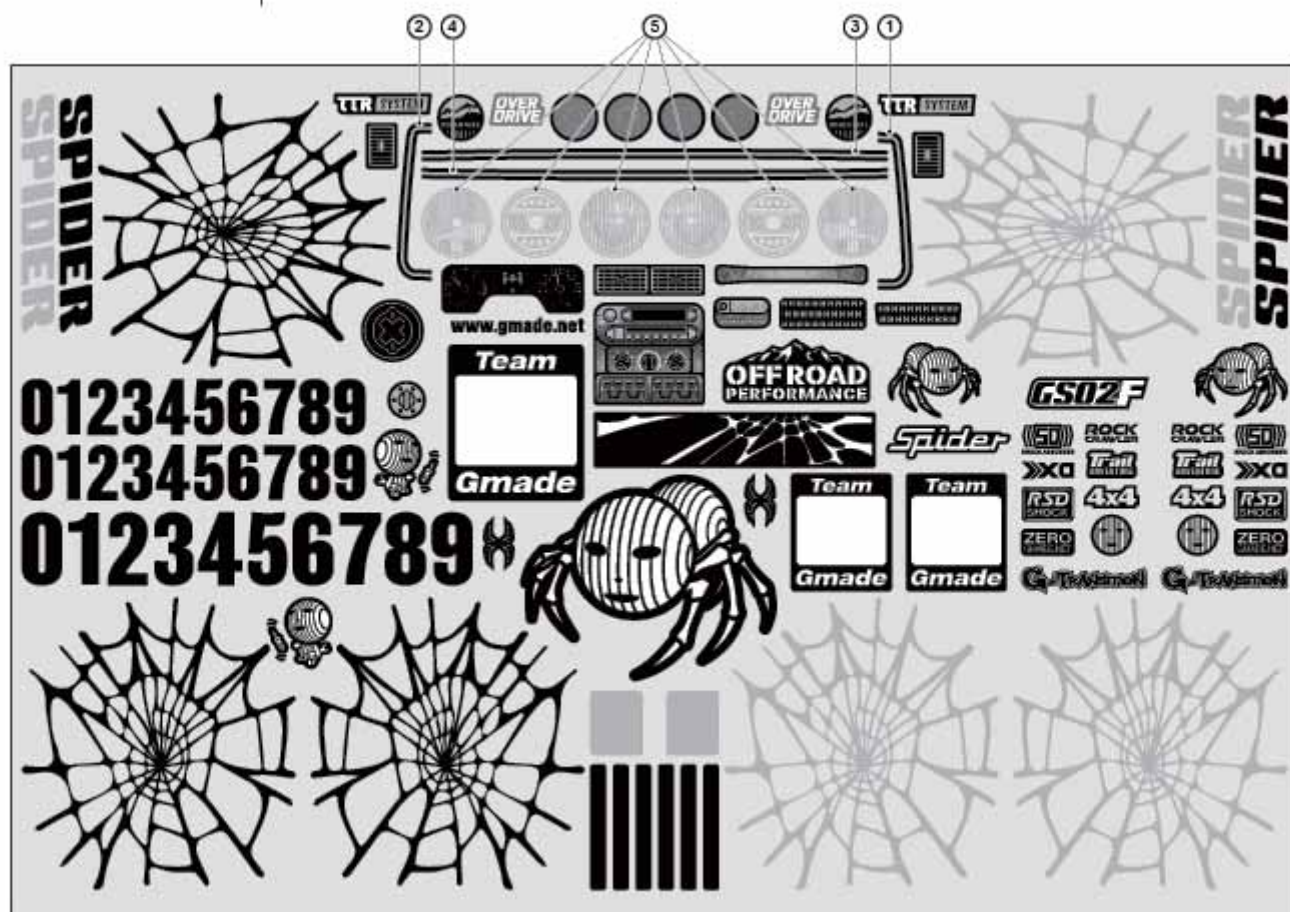




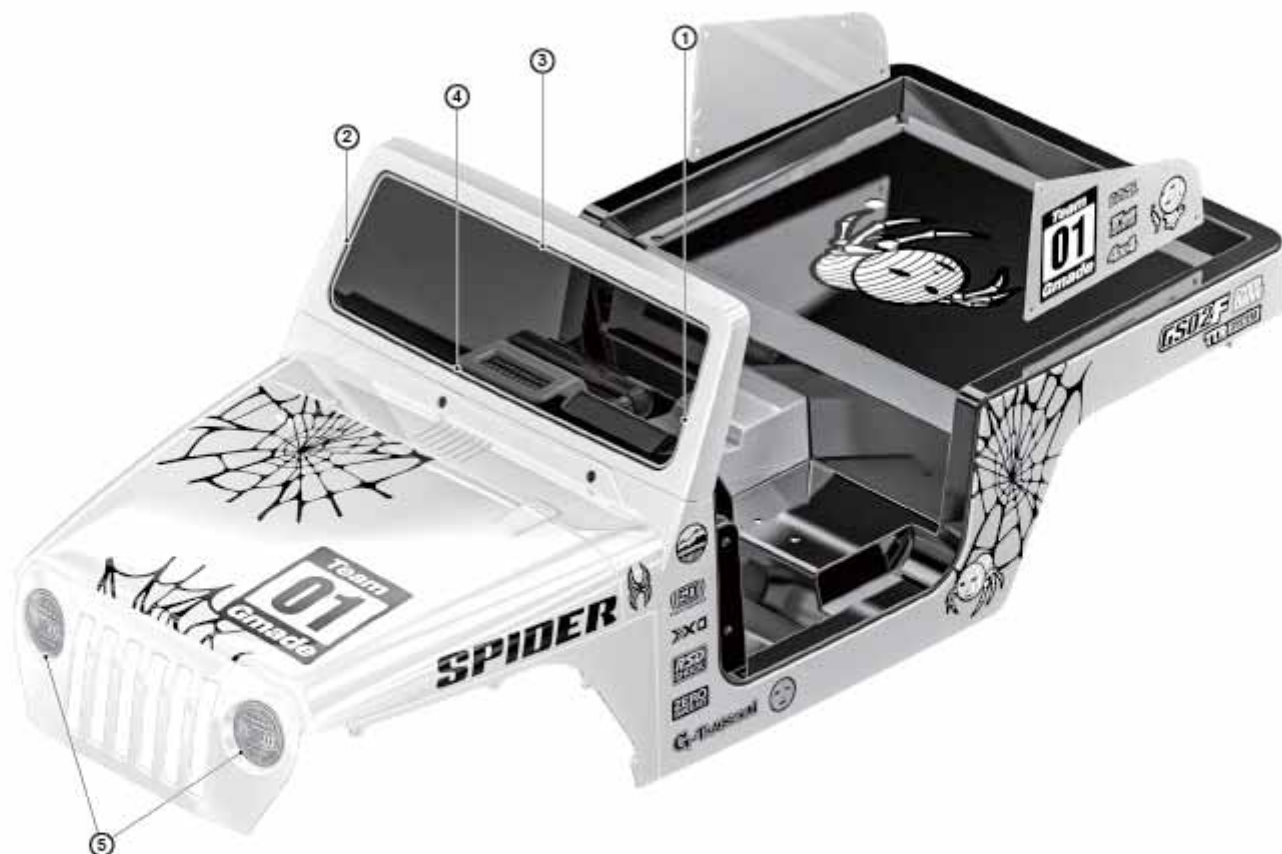
GM60258  
Spider masking tape

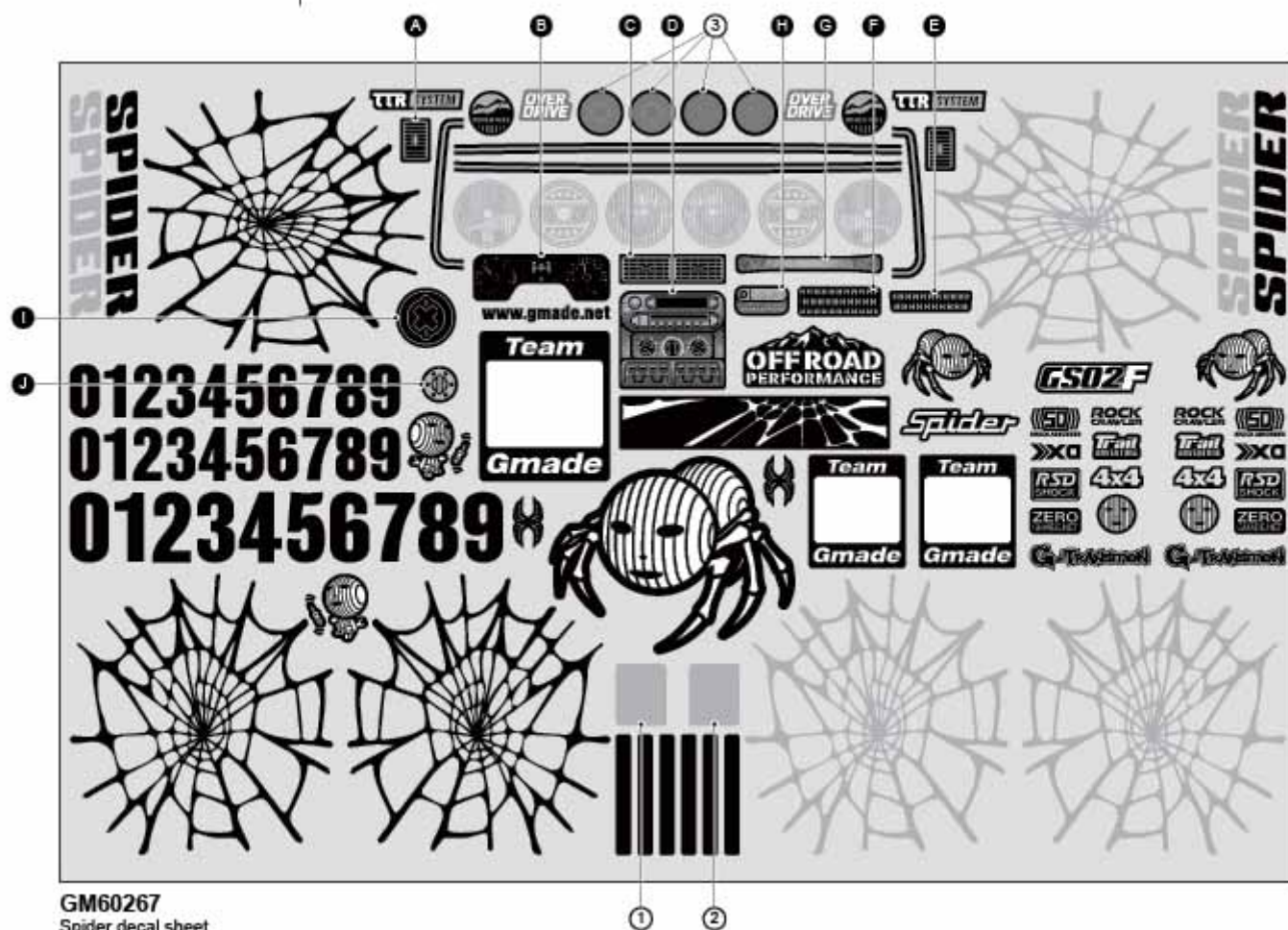




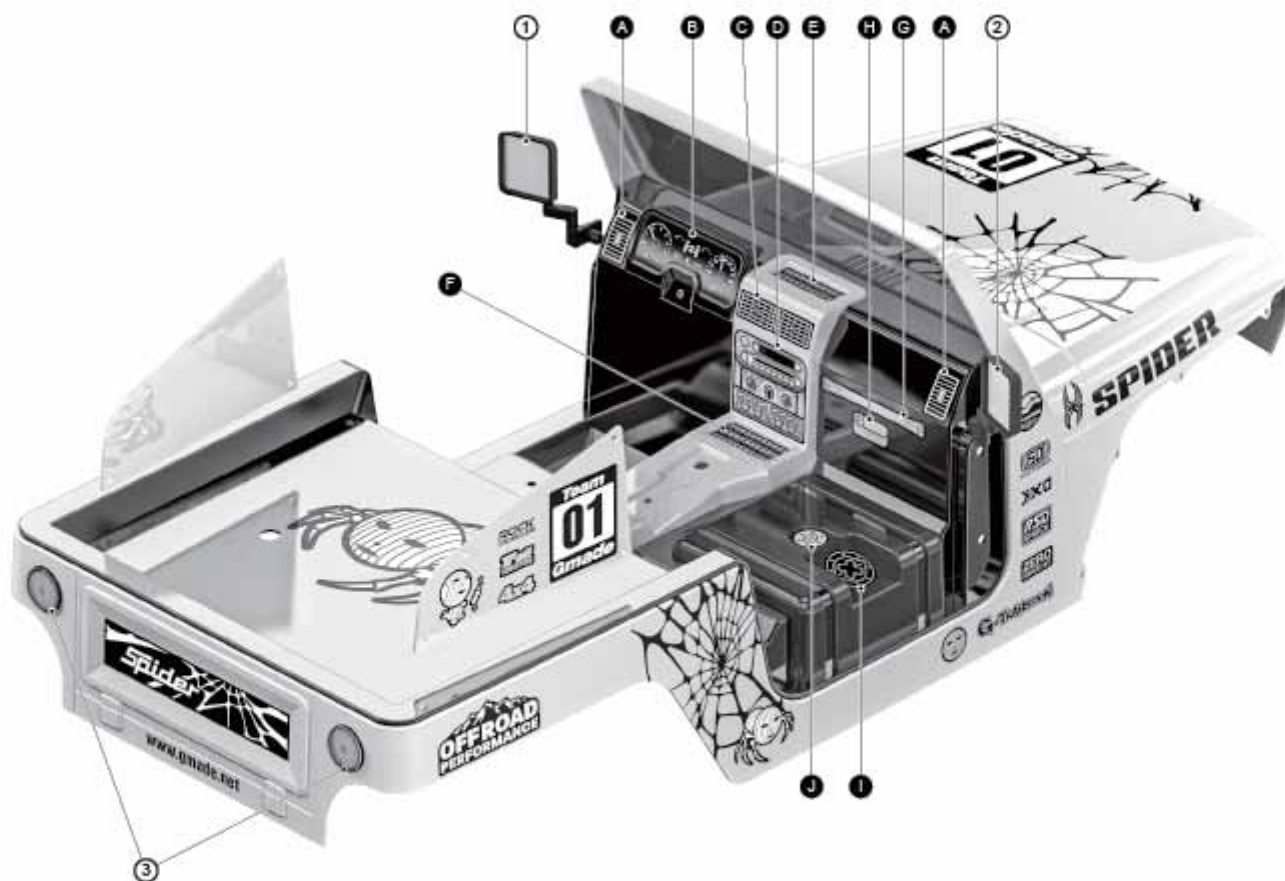


GM60267  
Spider decal sheet





GM60267  
Spider decal sheet





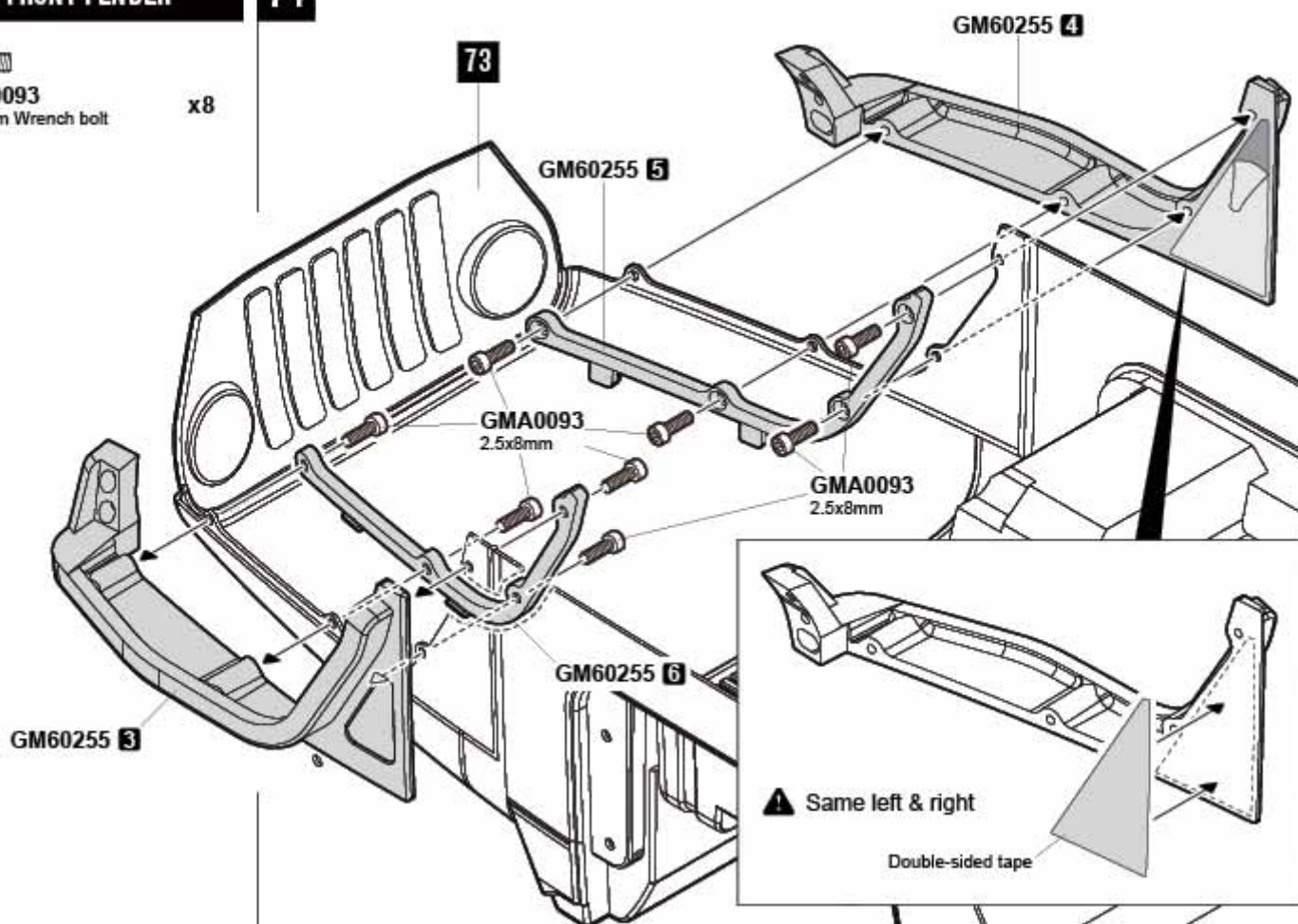
## FRONT FENDER

74



GMA0093  
2.5x8mm Wrench bolt

x8



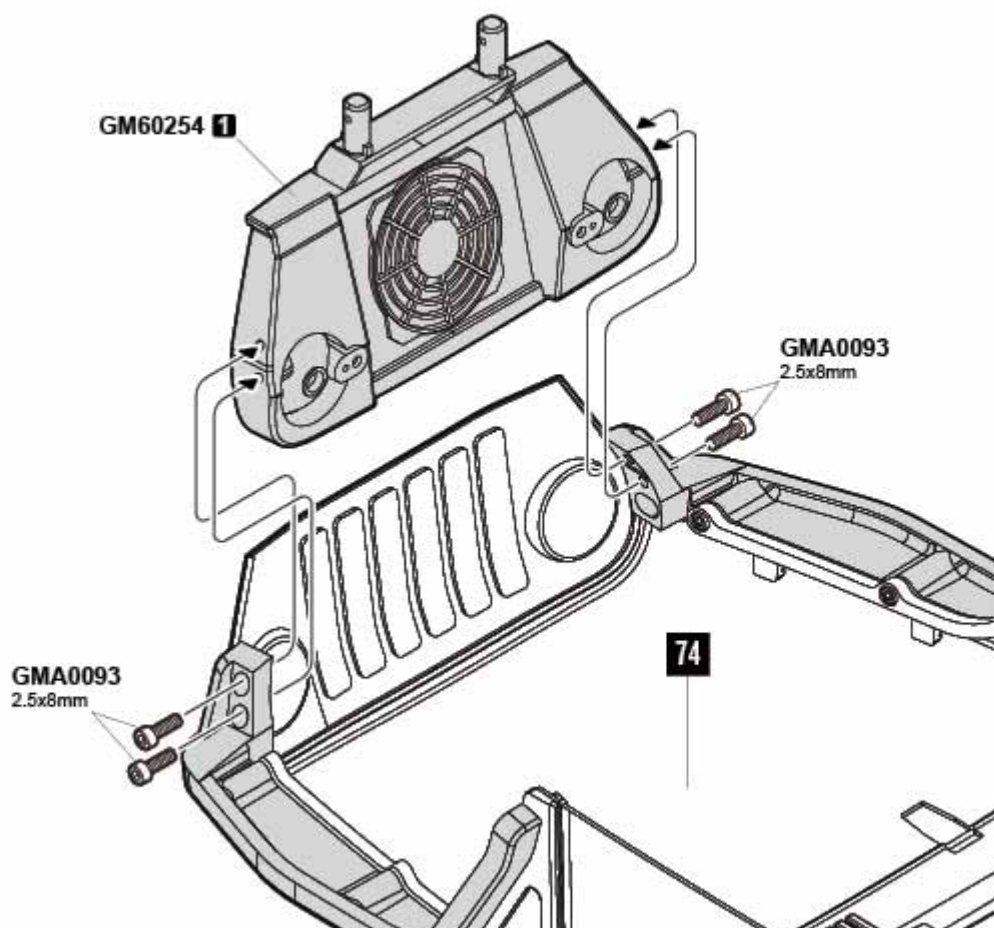
## FRONT GRILLE

75



GMA0093  
2.5x8mm Wrench bolt

x4

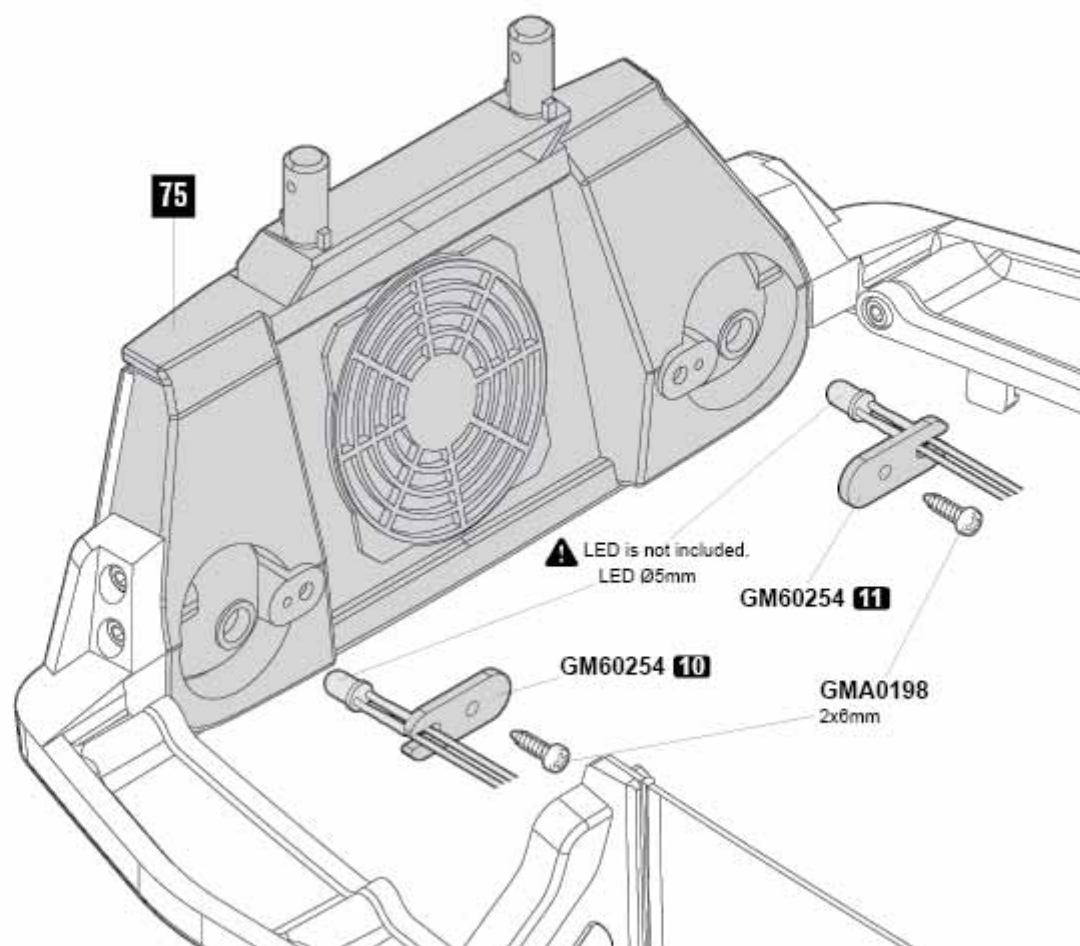


## FRONT LIGHT BUCKET

76



**GMA0198**  
2x6mm  
Nickel round head tapping screw **x2**

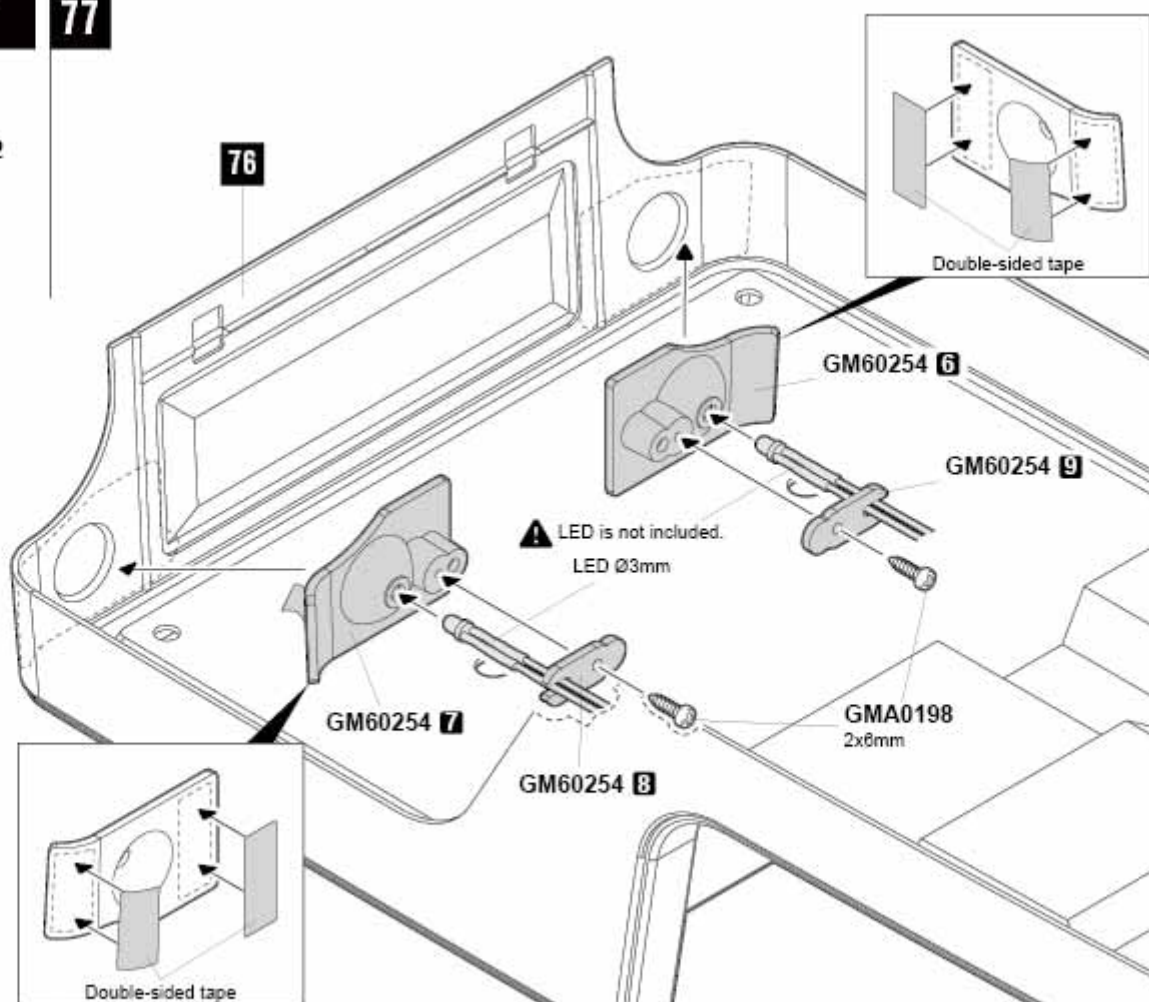


## REAR LIGHT BUCKET

77



**GMA0198**  
2x6mm  
Nickel round head tapping screw **x2**





# BODY

78



**GMA0019**  
3x10mm  
Round head wrench bolt

x1



**GMA0158**  
3mm Washer

x1



**GM49006**  
R5 snap pin

x1



**GMA0277**  
P4 O-ring (RED)

x1

77

## ⚠ SHIFTER ASSEMBLE

**GM60026**  
Shifter

**GM49006**  
R5 snap pin

**GMA0277**  
P4 O-ring (RED)

**GMA0019**  
3x10mm

**GMA0158**  
3mm Washer

**GM60026**  
Steering wheel

# BODY

79



**GMA0019**  
3x10mm  
Round head wrench bolt

x2



**GMA0158**  
3mm Washer

x2

78

**GM60026**  
Seat

**GM60026**  
Backrest

**GMA0158**  
3mm Washer

**GMA0019**  
3x10mm

# BODY

80



GMA0011

2.5x6mm  
Round head wrench bolt

x2



GMA0013

2.5x10mm  
Round head wrench bolt

x8



GM49006

R5 snap pin

x2

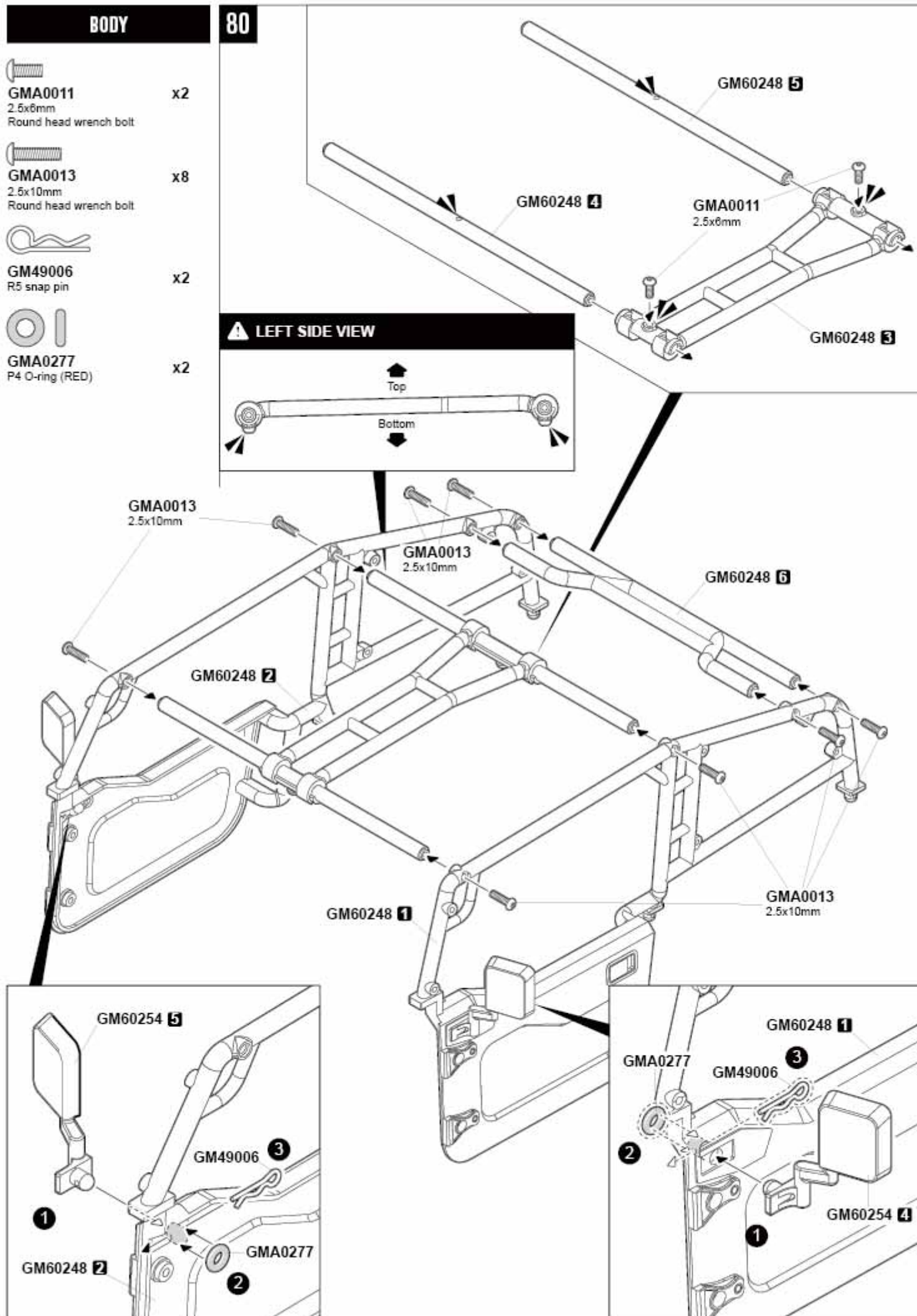
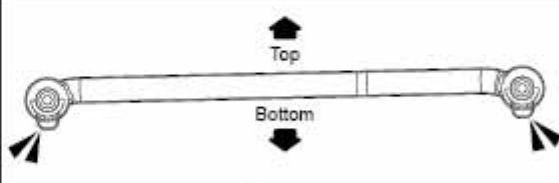


GMA0277

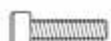
P4 O-ring (RED)

x2

## LEFT SIDE VIEW







**GMA0094**  
2.5x10mm Wrench bolt

x4



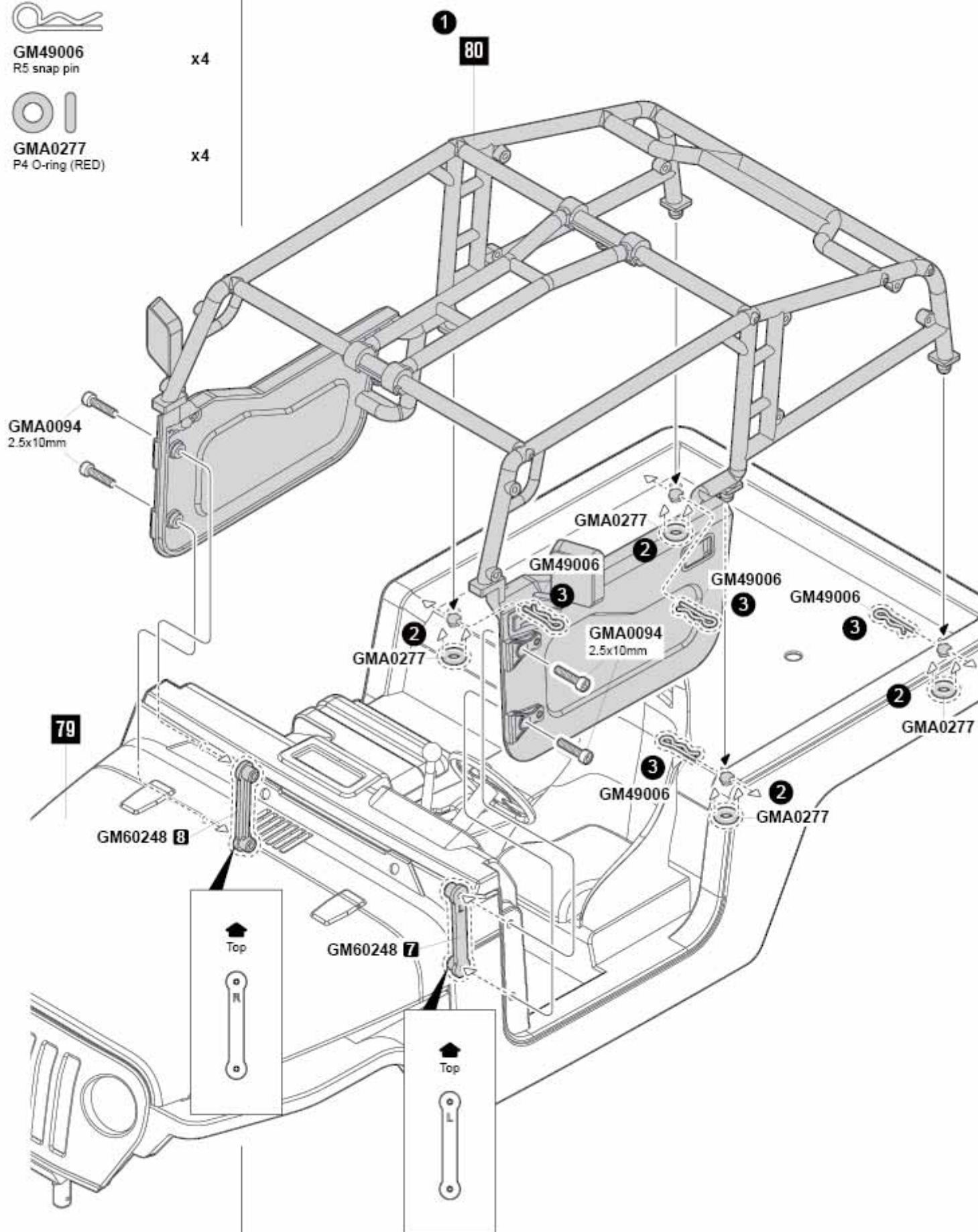
**GM49006**  
R5 snap pin

x4



**GMA0277**  
P4 O-ring (RED)

x4



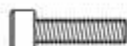
# BODY

82



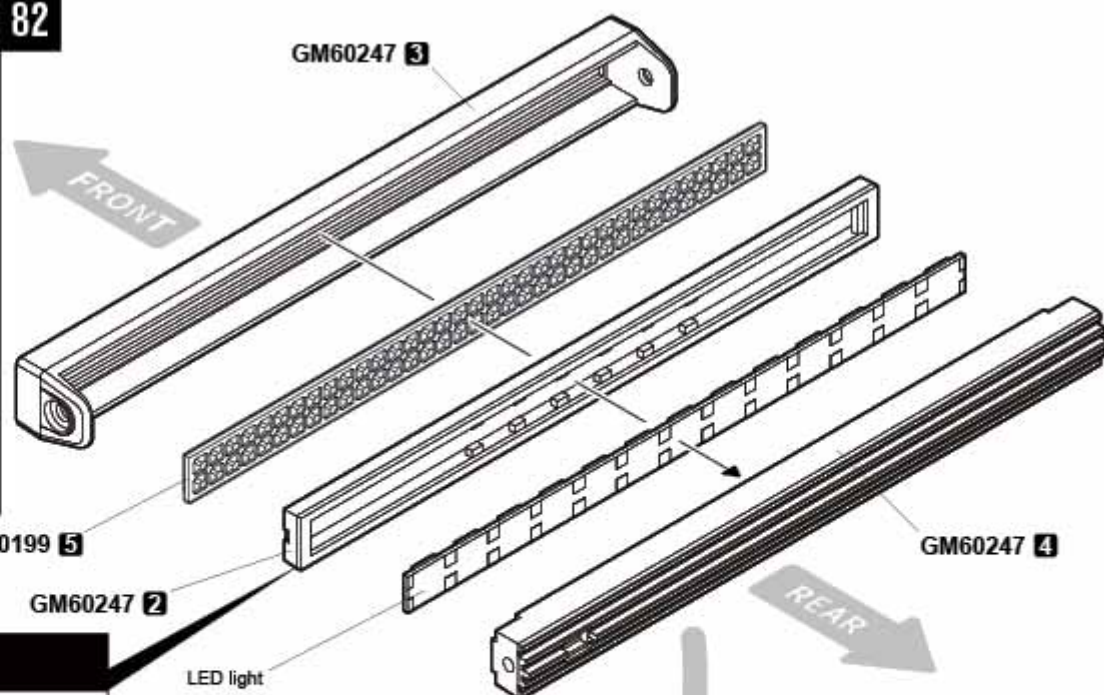
**GMA0012**  
2.5x8mm  
Round head wrench bolt

x4



**GMA0104**  
3x12mm Wrench bolt

x2



## ▲ SIDE VIEW

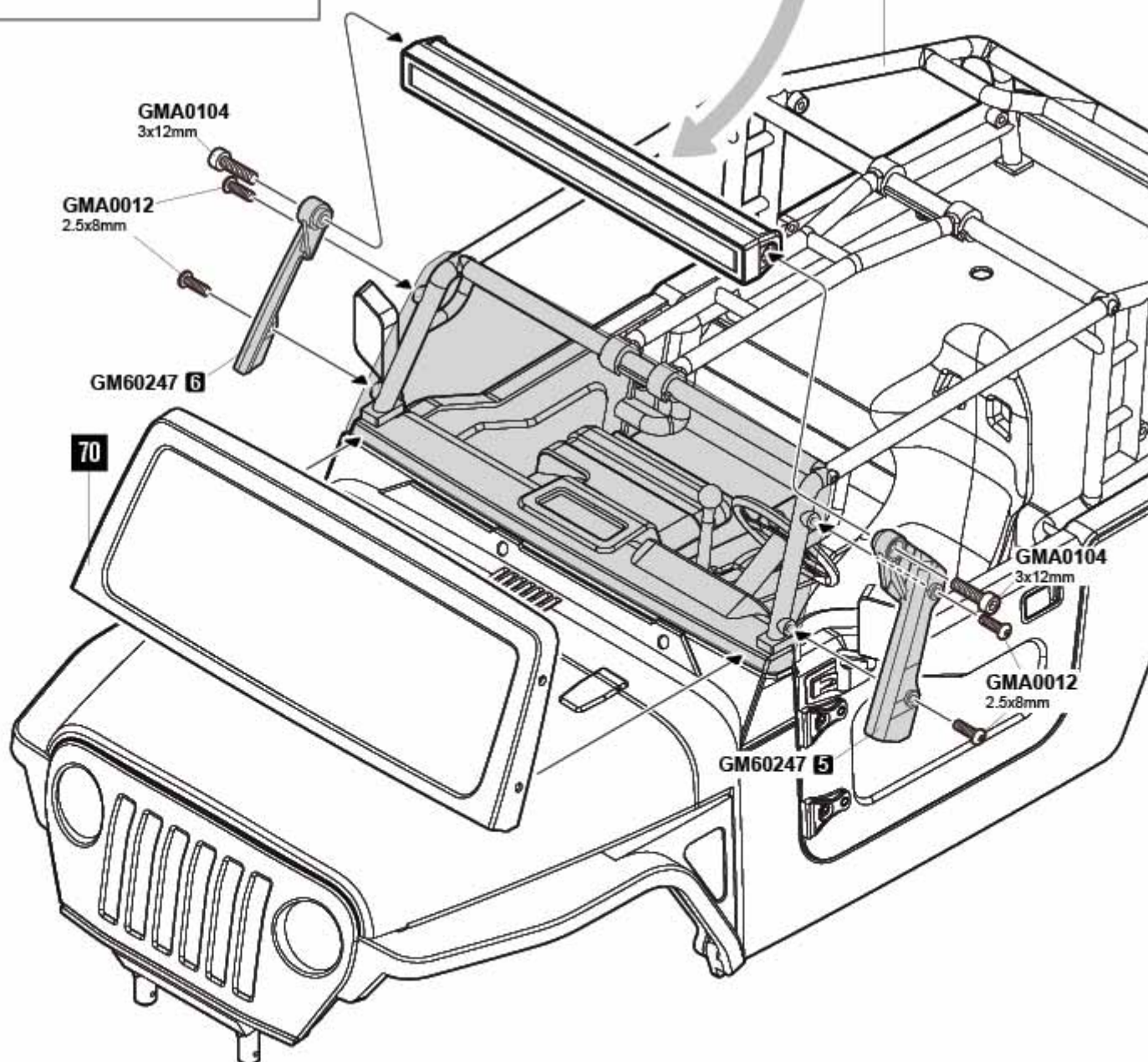


**GMA0104**  
3x12mm

**GMA0012**  
2.5x8mm

**GM60247 6**

70



**GMA0104**  
3x12mm

**GMA0012**  
2.5x8mm

**GM60247 5**





GMA0011

2.5x8mm  
Round head wrench bolt

x8



GM49006

R5 snap pin

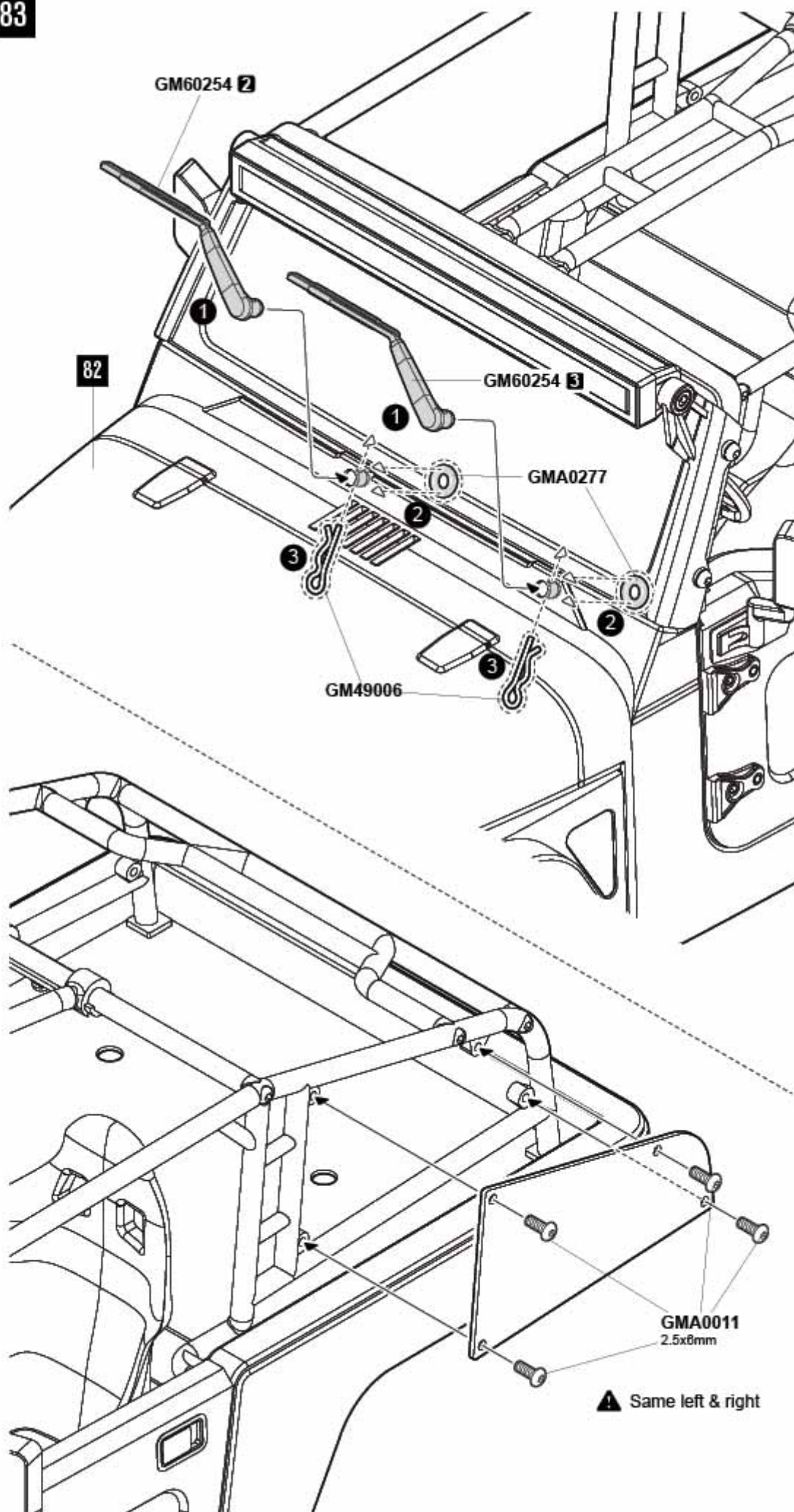
x2



GMA0277

P4 O-ring (RED)

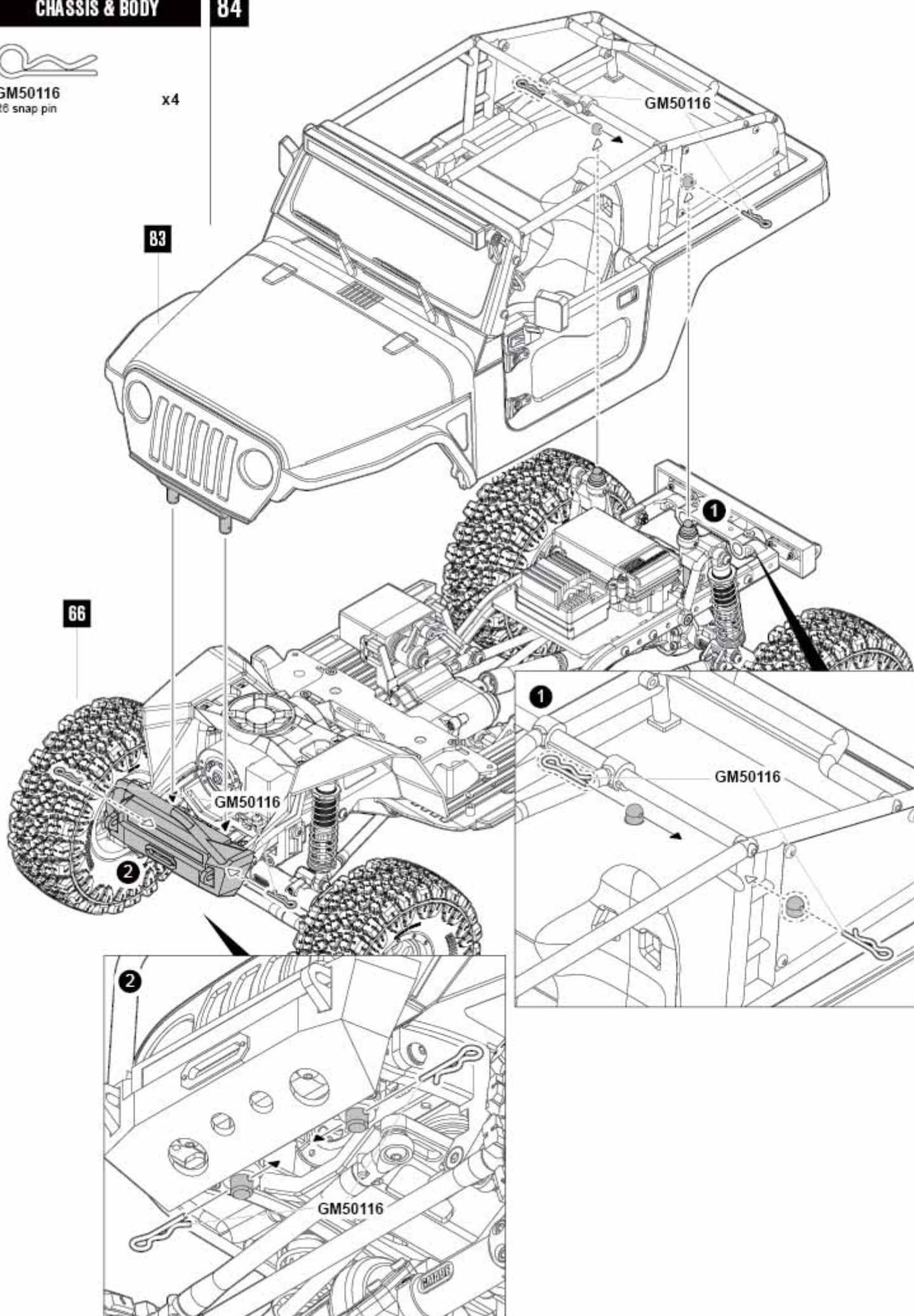
x2





GM50116  
R6 snap pin

x4



83

66

GM50116

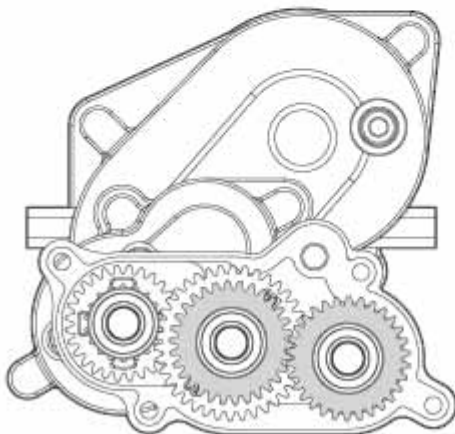
GM50116

GM50116

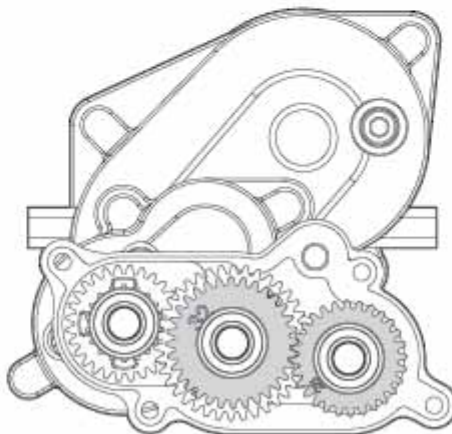


# OVERDRIVE GEAR RATIO

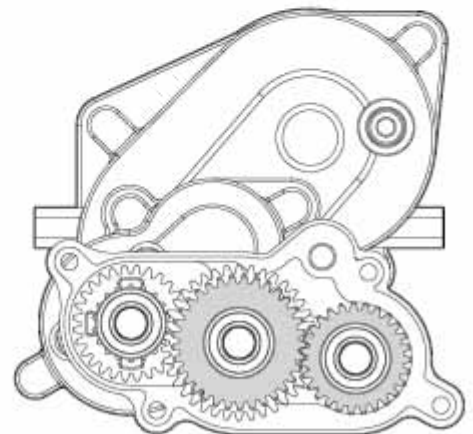
**No overdrive (Option)**  
**30T / 30T (GM30172)**



**Overdrive 1 (Stock)**  
**32T / 28T**



**Overdrive 2 (Option)**  
**33T / 27T (GM30168)**



Overall gear ratio			
Pinion	Drive	LO	HI
9T	Front	60.69	28.75
	Rear	60.69	28.75
10T	Front	54.63	54.63
	Rear	25.88	25.88
11T	Front	49.66	49.66
	Rear	23.52	23.52
12T	Front	45.52	45.52
	Rear	21.56	21.56
13T	Front	42.02	42.02
	Rear	19.90	19.90
14T	Front	39.02	39.02
	Rear	18.48	18.48
15T	Front	36.42	36.42
	Rear	17.25	17.25
Overdrive percentage: 0%			

Overall gear ratio			
Pinion	Drive	LO	HI
9T	Front	53.11	25.16
	Rear	60.69	28.75
10T	Front	47.80	22.64
	Rear	54.63	25.88
11T	Front	43.45	20.58
	Rear	49.66	23.52
12T	Front	39.83	18.87
	Rear	45.52	21.56
13T	Front	36.77	17.42
	Rear	42.02	19.90
14T	Front	34.14	16.17
	Rear	39.02	18.48
15T	Front	31.86	15.09
	Rear	36.42	17.25
Overdrive percentage: 14.29%			

Overall gear ratio			
Pinion	Drive	LO	HI
9T	Front	49.66	23.52
	Rear	60.69	28.75
10T	Front	44.69	21.17
	Rear	54.63	25.88
11T	Front	40.63	19.25
	Rear	49.66	23.52
12T	Front	37.24	17.64
	Rear	45.52	21.56
13T	Front	34.38	16.28
	Rear	42.02	19.90
14T	Front	31.92	15.12
	Rear	39.02	18.48
15T	Front	29.80	14.11
	Rear	36.42	17.25
Overdrive percentage: 22.22%			

# SPARE PARTS LIST

PART#	PRODUCT NAME	PART#	PRODUCT NAME
GM0020067	Shock spring 15x54mm (2)	GM60254	Exterior detail parts tree
GM0020074	Shock shaft 3.5x41.4mm (2)	GM60255	Front inner & over fenders
GM0020078	RSD shock delrin pistons	GM60256	Front & rear bumpers
GM49006	R5 snap pin (12)	GM60258	Spider clear body
GM50116	R6 snap pin (12)	GM60264	Panhard rod 79mm
GM51603	Pin 2x10.3mm (4)	GM60265	SD 80mm shock body (2)
GM60001	16.5mm servo saver parts tree	GM60267	Spider decal sheet
GM60022	M4 5.8mm rod end set	GM70574	1.9 NR03 wheels (2)
GM60023	5.8mm ball parts tree	GM70594	1.9 MT 1905 off-road tires (2)
GM60026	Cockpit accessory parts tree	GMA0011	2.5x6mm round head wrench bolt
GM60033	Pin 1.5x7.2mm	GMA0012	2.5x8mm round head wrench bolt
GM60061P	GA44P front axle housing parts tree	GMA0013	2.5x10mm round head wrench bolt
GM60062P	GA44P rear axle housing parts tree	GMA0017	3x6mm round head wrench bolt
GM60064	GA44 axle hardware set	GMA0018	3x8mm round head wrench bolt
GM60065	Pin 2x11.4mm	GMA0019	3x10mm round head wrench bolt
GM60067	11T bevel gear	GMA0020	3x12mm round head wrench bolt
GM60068	33T bevel gear	GMA0021	3x15mm round head wrench bolt
GM60069	48P 18T gear	GMA0022	3x20mm round head wrench bolt
GM60071	48P 38T 1st gear (LO)	GMA0023	3x25mm round head wrench bolt
GM60072	32P 13T pinion gear	GMA0024	3x30mm round head wrench bolt
GM60076	GS02 side plate parts tree	GMA0056	3x6mm flat head wrench bolt
GM60077	GS02 shock hoop & body post parts tree	GMA0057	3x8mm flat head wrench bolt
GM60078	GS02 battery tray & cross member parts tree	GMA0058	3x10mm flat head wrench bolt
GM60079	SD shock parts tree	GMA0059	3x12mm flat head wrench bolt
GM60080A	32P 45T Spur gear	GMA0060	3x15mm flat head wrench bolt
GM60081	GS02 frame side rails	GMA0064	3x35mm flat head wrench bolt
GM60084	Universal shaft parts tree	GMA0082	2x6mm wrench bolt
GM60087	Slipper disk 20x1.5mm (2)	GMA0093	2.5x8mm wrench bolt
GM60088	Slipper pad (2)	GMA0094	2.5x10mm wrench bolt
GM60089	Upper link M4x6.8x55mm (2)	GMA0095	2.5x12mm wrench bolt
GM60093	5.8mm ball stud M3x5mm (5)	GMA0098	2.5x25mm wrench bolt
GM60100	GA44 steering rod set	GMA0102	3x8mm wrench bolt
GM60101	Universal joint set	GMA0104	3x12mm wrench bolt
GM60102	CVA drive coupler (2)	GMA0106	3x18mm wrench bolt
GM60103	3x10mm Screw pin (4)	GMA0107	3x20mm wrench bolt
GM60104	Foam seal (2)	GMA0108	3x25mm wrench bolt
GM60110	CVA pin retaining ring (2)	GMA0109	3x30mm wrench bolt
GM60111	Input universal joint set	GMA0126	3x3mm socket set screw
GM60117	Velcro strap 16x220mm (2)	GMA0127	3x4mm socket set screw
GM60119	Universal joint drive coupler (2)	GMA0131	3x10mm socket set screw
GM60199	LED light bucket & LED light lenses	GMA0132	3x12mm socket set screw
GM60210	48P 28T 2nd gear (HI)	GMA0133	3x15mm Socket set screw
GM60211	HI/LO sliding clutch	GMA0144	4x15mm socket set screw
GM60212	48P 32T gear	GMA0145	4x20mm socket set screw
GM60213	Transmission output front shaft 55.3mm	GMA0154	M3 nut
GM60214	Transmission output rear shaft 63.1mm	GMA0156	M3 nylon lock nut
GM60215	Transmission shaft 117.9mm	GMA0157	M4 nylon lock nut
GM60216	Slipper shaft 37.8mm	GMA0158	3mm Washer
GM60217	Transmission fork shaft 49.2mm	GMA0160	2mm E-ring
GM60219	GS02F skid plate & battery tray parts tree	GMA0161	2.5mm E-ring
GM60220	GS02F transmission housing parts tree	GMA0162	4mm E-ring
GM60221	GS02F inner fender braces & transmission hardware parts tree	GMA0163	Ball bearing 5x8x2.5mm
GM60222	Lower link M4x6.8x78mm (2)	GMA0165	Ball bearing 5x11x4mm
GM60226	Servo saver spring 9x9.5mm	GMA0167	Ball bearing 10x15x4mm
GM60236	32P 12T portal gear (2)	GMA0169	P3 O-ring
GM60237	32P 23T portal gear (2)	GMA0170	P5 O-ring
GM60239	GA44P portal axle parts tree	GMA0172	3x18mm round head wrench bolt
GM60241	GA44P CVA kit	GMA0191	M3 flange nut
GM60242	GA44P front portal stub axle 39mm (2)	GMA0198	2x8mm nickel round head tapping screw
GM60243	GA44P rear portal stub axle 37.8mm (2)	GMA0205	Ball bearing 8x12x3.5mm
GM60246	GA44P straight drive shaft 101mm (2)	GMA0210	4mm conical spring washer
GM60247	Off-road roof rack & LED light bar	GMA0212	7x1 O-ring (5)
GM60248	Spider roll cage parts tree	GMA0213	S56 O-ring
GM60249	Upper link M4x6.8x120mm (2)	GMA0277	P4 O-ring
GM60250	Lower link M4x6.8x122mm (2)		

