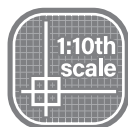




ULTIMATE
TRAIL TRUCK
INSTRUCTION MANUAL
GS02 CHASSIS



ASSEMBLE KIT



주의 사항



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 부품이 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, 공구등)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 충,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. 심각할 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, 휠이 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.

- 저녁이나 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 수 있는 지역
- 물이 흐르거나 고인장소에서 주행 시 전자 부품이 물에 젖지 않도록 주의 하십시오.
- 제품을 레이스 트랙이나 활 트리고 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 켜도록 하십시오.
 - 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 옵션파트나 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.

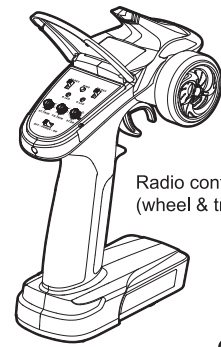
■ Safety Precautions (Before you operate RC model, check the following.)

- 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

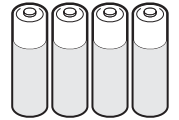
- When the RC model is operating, do not touch the moving parts like the drive shaft and wheels.
- The moving parts can cause serious injuries.
- Always turn the model or receiver off and disconnect the batteries before turning off the transmitter, in order to avoid unexpected movements of your RC model.
 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.

EQUIPMENT NEEDED

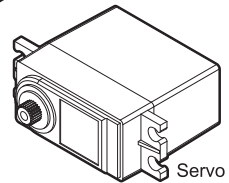
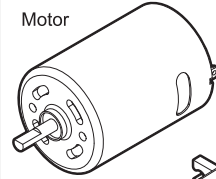


Radio control system
(wheel & trigger type)

Controller
Batteries

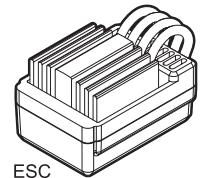
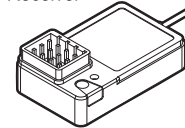


Motor



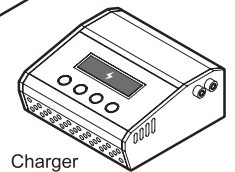
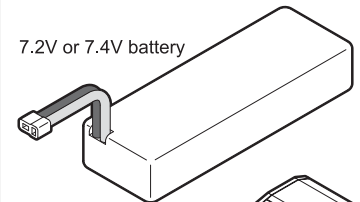
Receiver

Servo



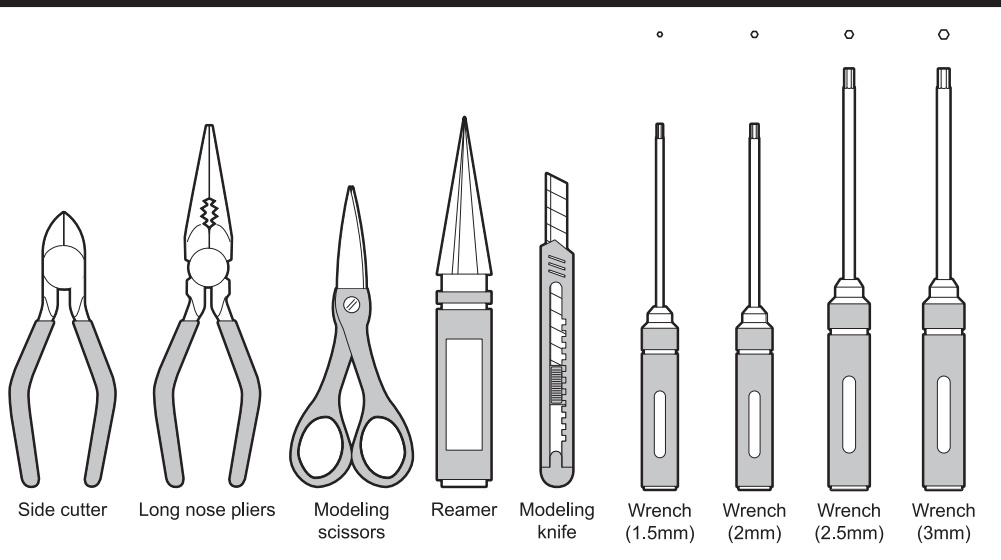
ESC

7.2V or 7.4V battery



Charger

TOOLS NEEDED



Side cutter

Long nose pliers

Modeling
scissors

Reamer

Modeling
knife

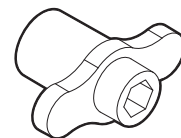
Wrench
(1.5mm)

Wrench
(2mm)

Wrench
(2.5mm)

Wrench
(3mm)

TOOLS INCLUDED



Box wrench

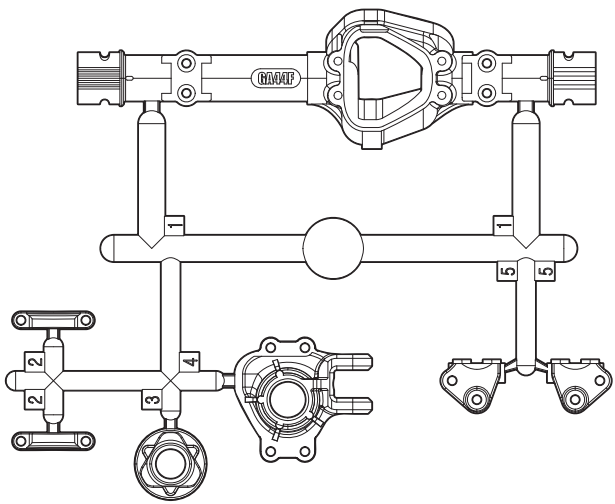


GM51504
Gear grease

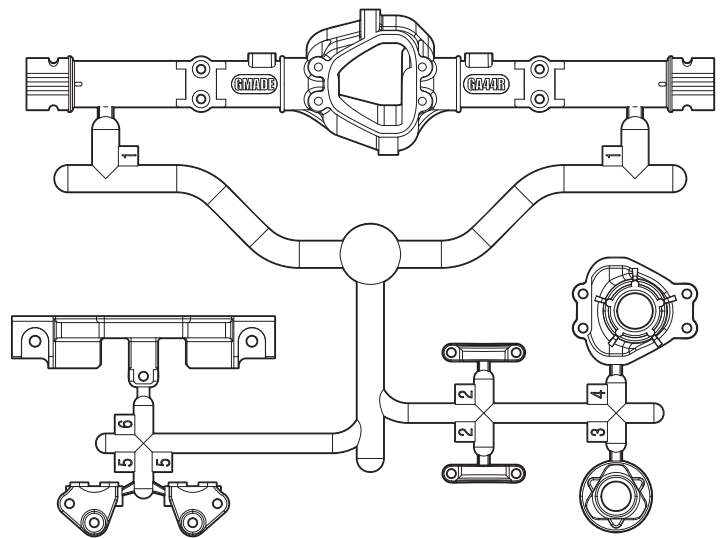


GM20220
Shock oil

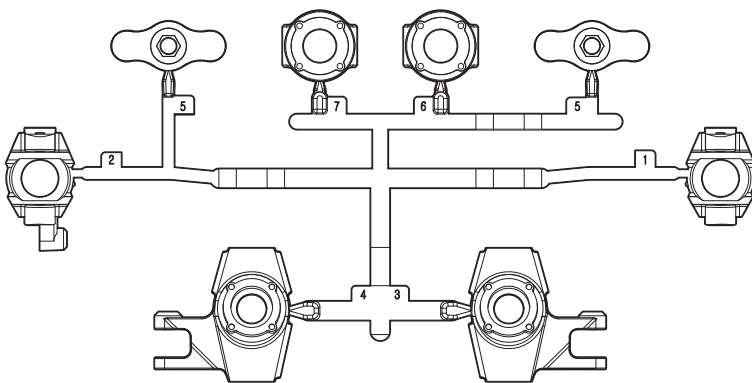
PARTS REFERENCE



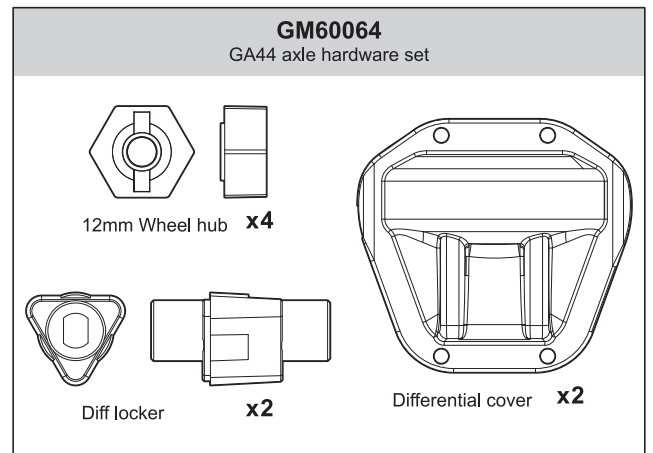
GM60061
GA44 front axle housing parts tree **x1**



GM60062
GA44 rear axle housing parts tree **x1**



GM60063
GA44 axle parts tree **x1**

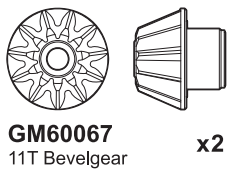


GM60064
GA44 axle hardware set

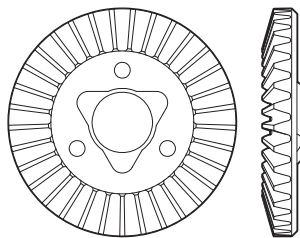
12mm Wheel hub **x4**

Diff locker **x2**

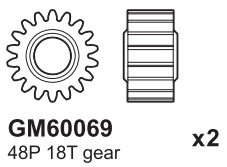
Differential cover **x2**



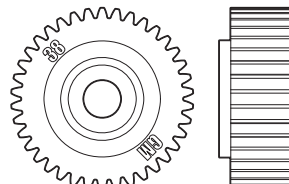
GM60067
11T Bevelgear **x2**



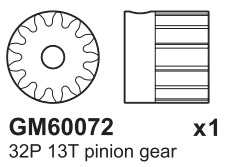
GM60068
33T Bevelgear **x2**



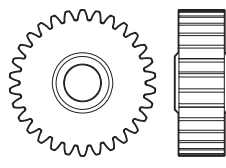
GM60069
48P 18T gear **x2**



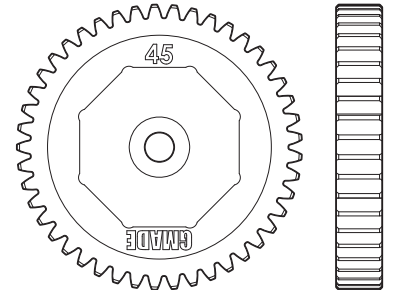
GM60071
48P 38T 1st gear (LO) **x1**



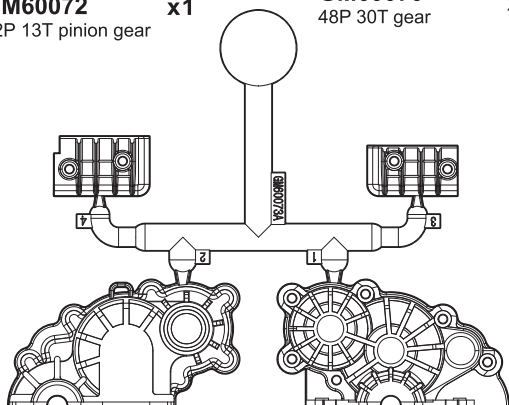
GM60072
32P 13T pinion gear **x1**



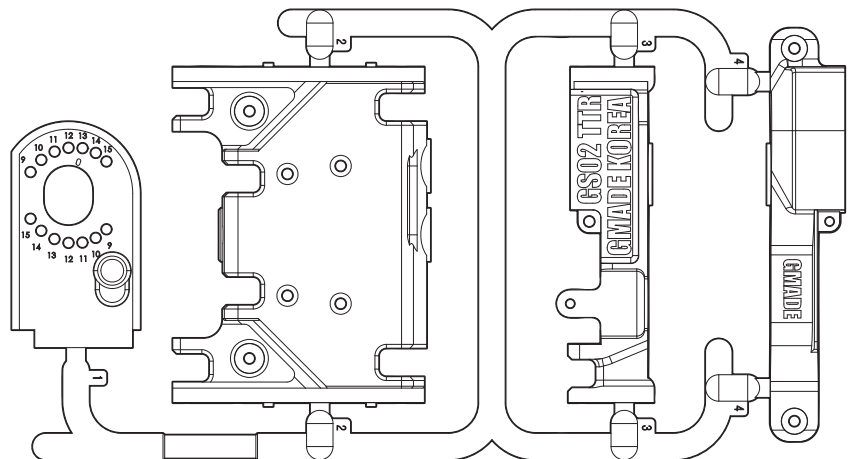
GM60070
48P 30T gear **x2**



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

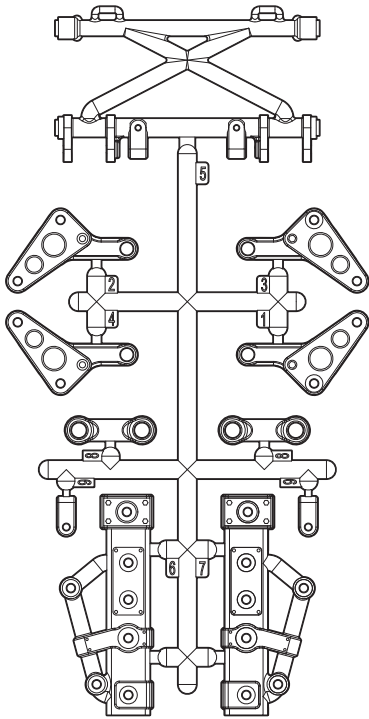


GM60073
TTR transmission housing parts tree **x1**

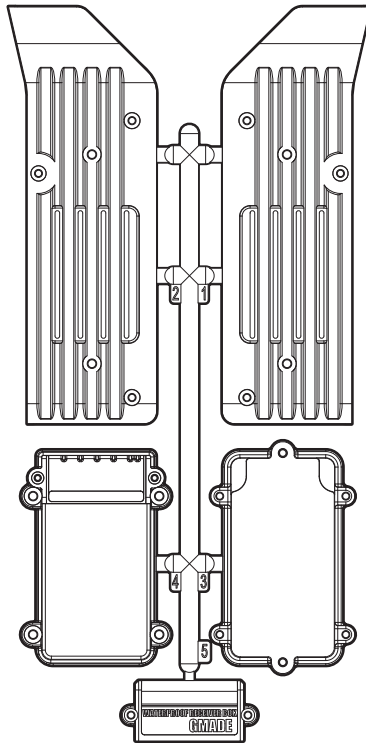


GM60074
TTR transmission motor mount parts tree **x1**

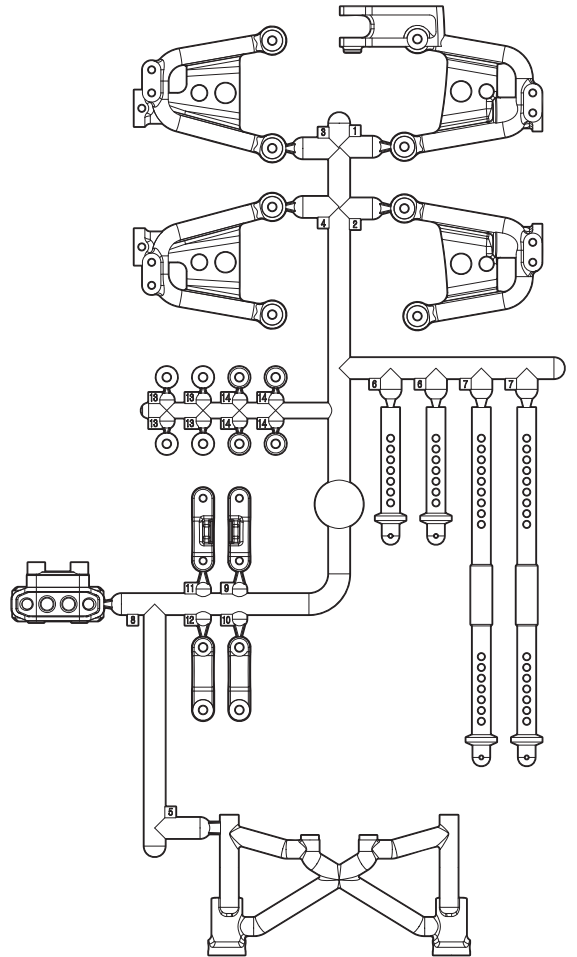
PARTS REFERENCE



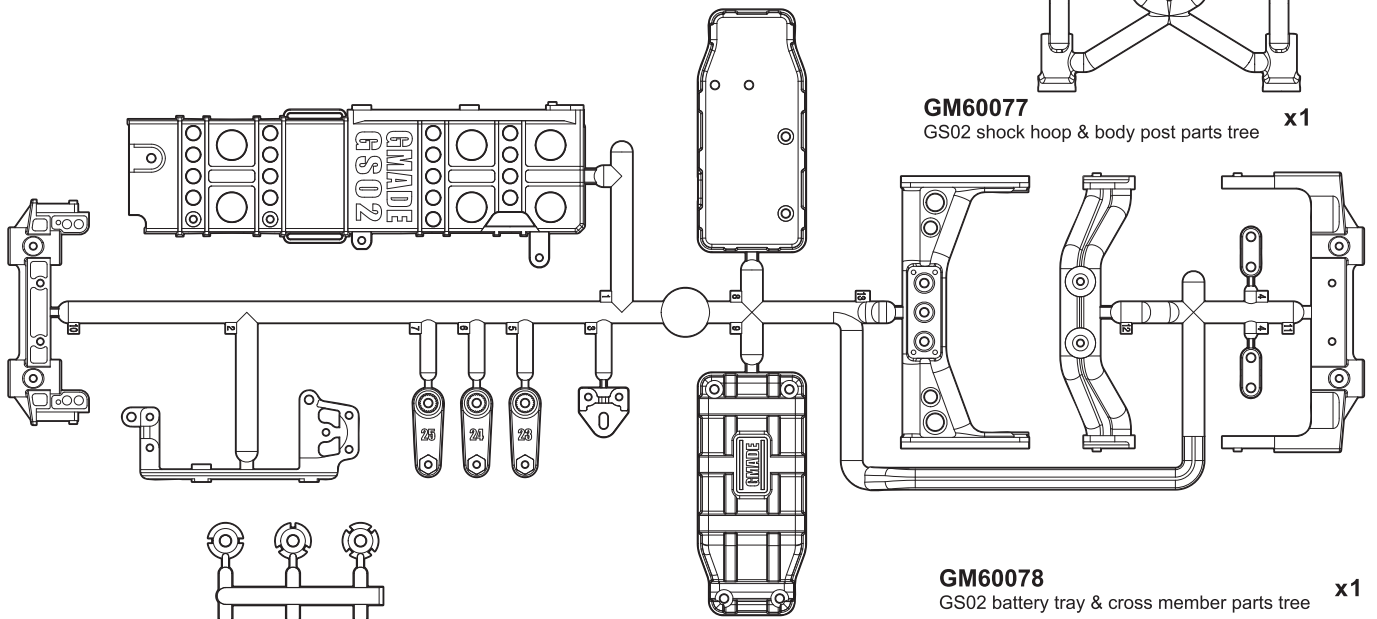
GM60075
GS02 rear cantilever suspension parts tree x1



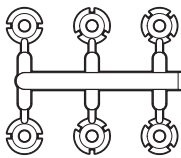
GM60076
GS02 side plate parts tree x1



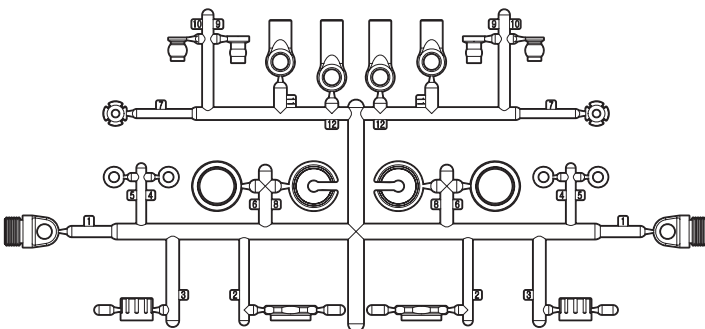
GM60077
GS02 shock hoop & body post parts tree x1



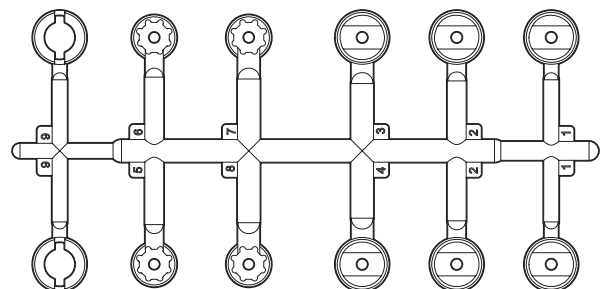
GM60078
GS02 battery tray & cross member parts tree x1



GM0020078
RSD shock delrin pistons x2

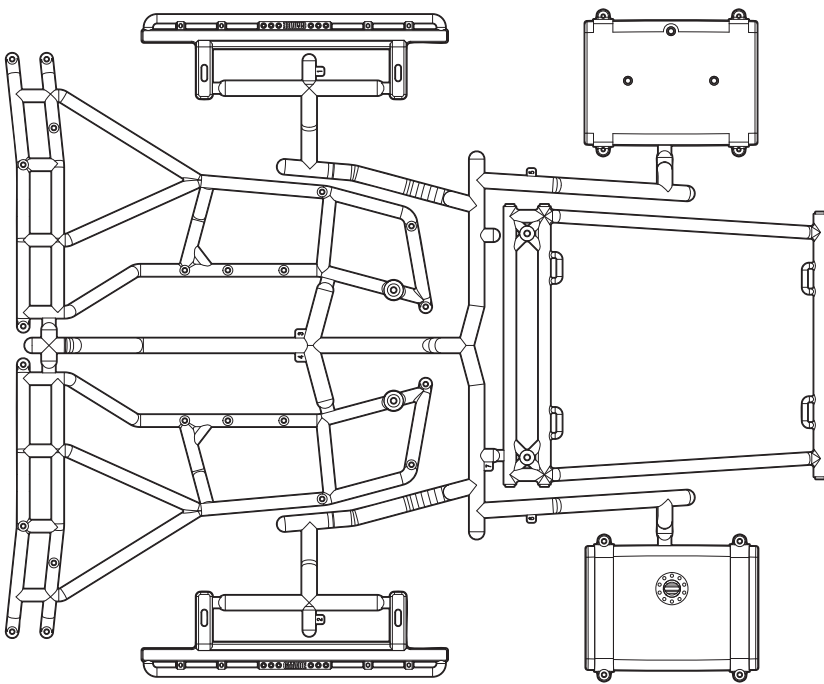


GM60079
SD shock parts tree x2

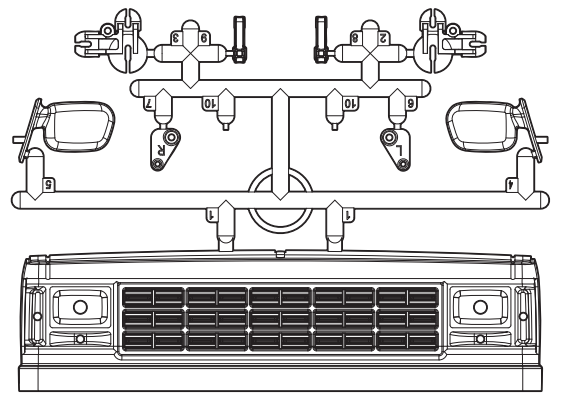


GM60084
Universal shaft parts tree x1

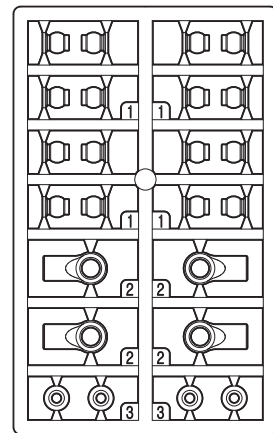
PARTS REFERENCE



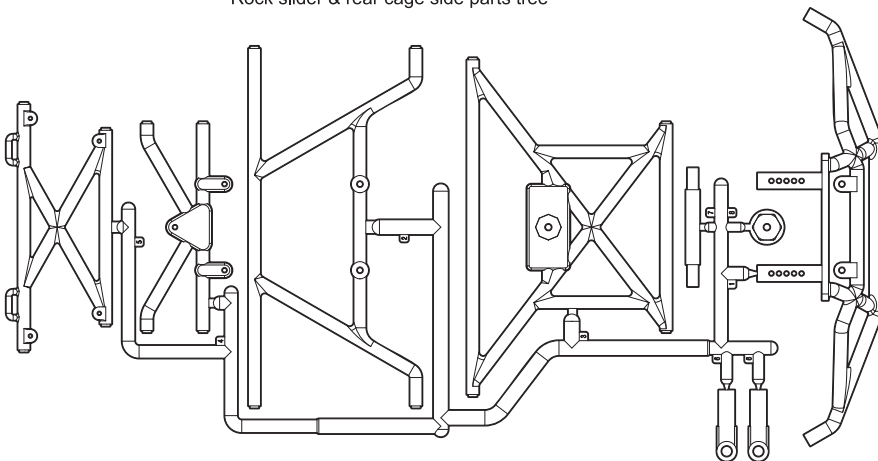
GM60082
Rock slider & rear cage side parts tree **x1**



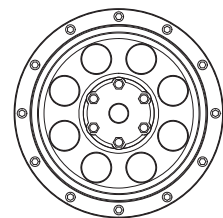
GM60085
BOM exterior detail parts tree **x1**



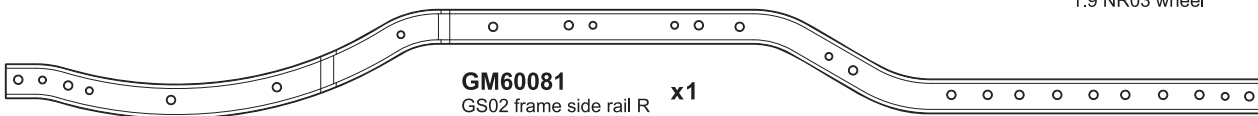
GM60023
5.8mm ball parts tree **x2**



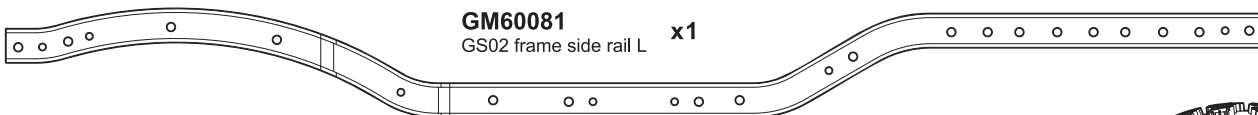
GM60083
Front tube bumper & Rear cage parts tree **x1**



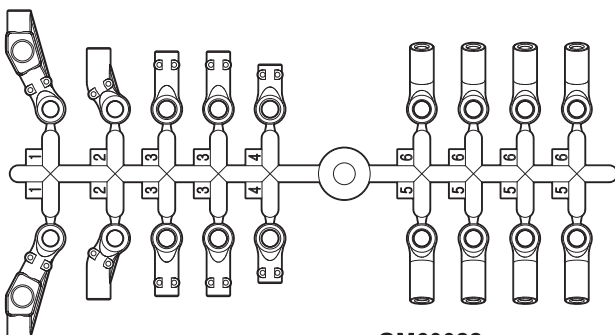
GM70574
1.9 NR03 wheel **x4**



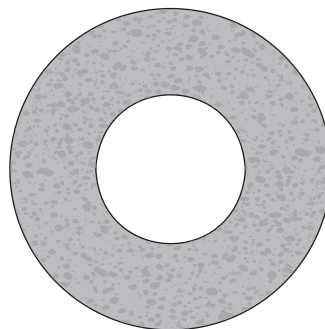
GM60081
GS02 frame side rail R **x1**



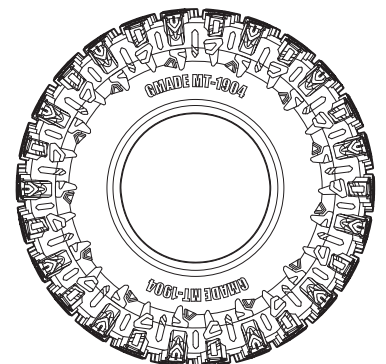
GM60081
GS02 frame side rail L **x1**



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

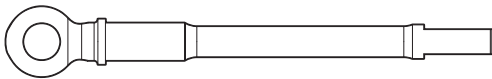


GM70304
Inner foam **x4**

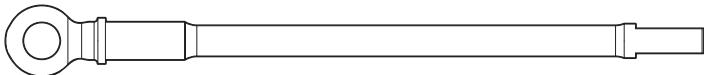


GM70304
1.9 MT 1904 off-road tire **x4**

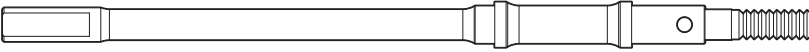
PARTS REFERENCE



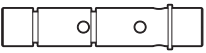
GM60109
CVA drive shaft 64mm **x1**



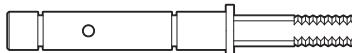
GM60109
CVA drive shaft 92mm **x1**



GM60112
Straight drive shaft 107mm **x2**



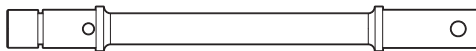
GM60113
Transmission shaft 26mm **x1**



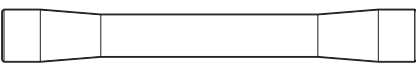
GM60114
Slipper shaft 46mm **x1**



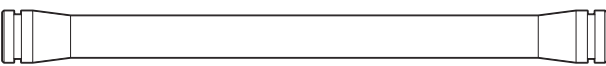
GM60115
Transmission output front shaft 25mm **x1**



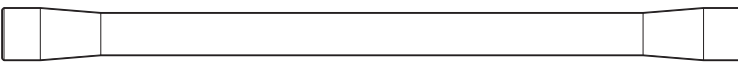
GM60116
Transmission output rear shaft 63mm **x1**



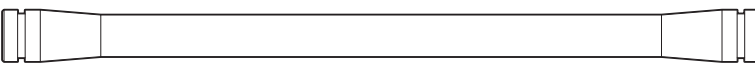
GM60089
Upper link M4x6.8x55mm **x1**



GM60090
Lower link M4x6.8x80mm **x2**



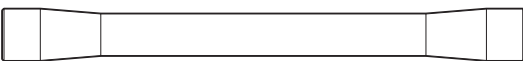
GM60091
Upper link M4x6.8x98mm **x2**



GM60092
Lower link M4x6.8x100mm **x2**



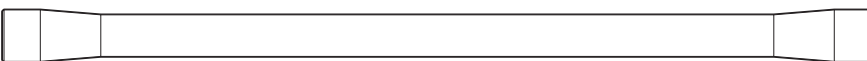
GM60099
Panhard rod 86mm **x1**



GM60100
Panhard rod 86mm **x1**



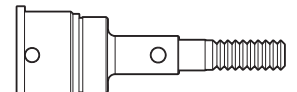
GM60093
5.8mm ball stud M3x5mm **x1**



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



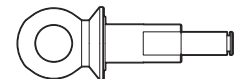
GM60102
CVA drive coupler **x2**



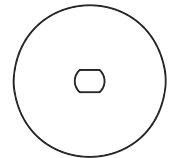
GM60109
CVA wheel axle shaft 35mm **x2**



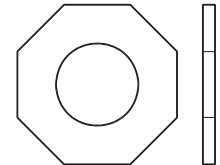
GM60110
CVA pin retaining ring **x2**



GM60111
Input universal joint 28mm **x2**



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



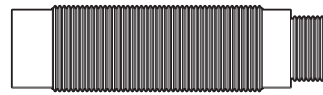
GM60088
Slipper pad **x2**



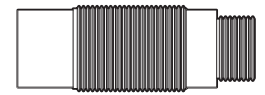
GM60097
Shock spring 15.2x61mm **x2**



GM60098
Shock spring 16.2x36mm **x2**



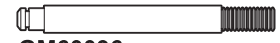
GM60094
SD 90mm shock body **x2**



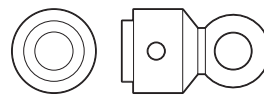
GM60095
SD 67mm shock body **x2**



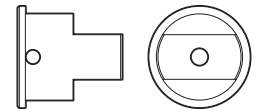
GM0020075
Shock shaft 3.5x46.4mm **x2**



GM60096
Shock shaft 3.5x33.9mm **x2**



GM60101
Universal joint **x2**

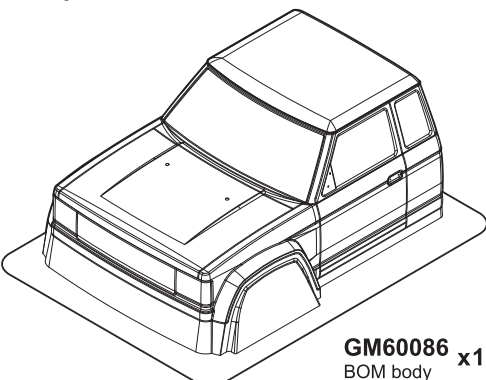
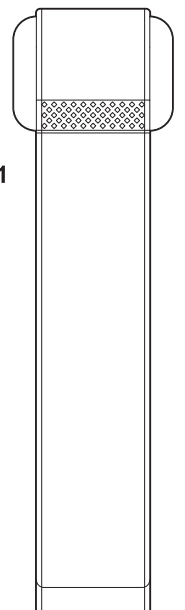


GM60101
Universal joint cup **x4**

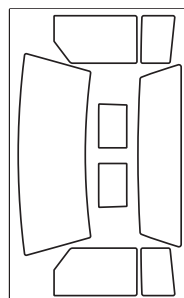


GM60119
Universal joint drive coupler **x4**

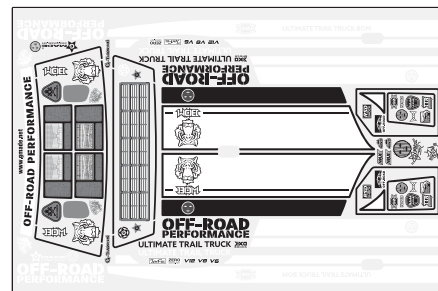
GM60117
Velcro strap 16x220mm **x1**



GM60086
BOM body **x1**



GM60086
BOM masking tape **x1**













































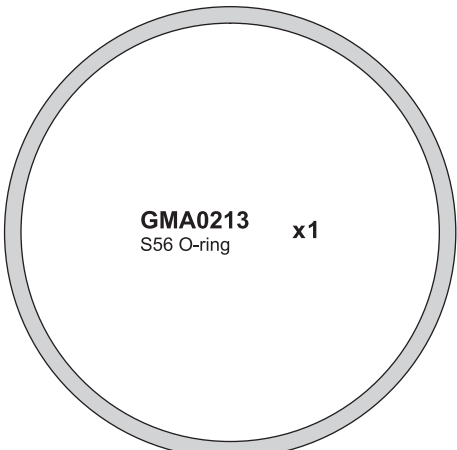








GM60105
BOM decal sheet **x1**



GM60104
Foam seal **x1**

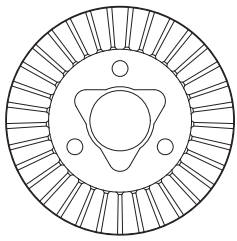
PARTS REFERENCE

	GMA0011	x8		GMA0093	x22		GMA0210	x4
	2.5x6mm round head wrench bolt			2.5x8mm Wrench bolt			4mm conical spring washer	
	GMA0012	x2		GMA0094	x1		GMA0163	x3
	2.5x8mm Round head wrench bolt			2.5x10mm Wrench bolt			Ball bearing 5x8x2.5mm	
	GMA0013	x22		GMA0095	x8		GMA0165	x17
	2.5x10mm Round head wrench bolt			2.5x12mm Wrench bolt			Ball bearing 5x11x4mm	
	GMA0017	x9		GMA0109	x2		GMA0205	x6
	3x6mm Round head wrench bolt			3x30mm Wrench bolt			Ball bearing 8x12x3.5mm	
	GMA0018	x28		GMA0121	x1		GMA0167	x2
	3x8mm Round head wrench bolt			4x30mm Wrench bolt			Ball bearing 10x15x4mm	
	GMA0019	x18		GMA0126	x4		GMA0169	x8
	3x10mm Round head wrench bolt			3x3mm Socket set screw			P3 O-ring	
	GMA0020	x11		GMA0127	x1		GMA0170	x2
	3x12mm Round head wrench bolt			3x4mm Socket set screw			P5 O-ring	
	GMA0021	x11		GMA0131	x8		GMA0212	x4
	3x15mm Round head wrench bolt			3x10mm Socket set screw			7x1 O-ring	
	GMA0172	x9		GMA0132	x2		GMA0160	x6
	3x18mm Round head wrench bolt			3x12mm Socket set screw			2mm E-ring	
	GMA0022	x2		GMA0133	x4		GMA0162	x6
	3x20mm Round head wrench bolt			3x15mm Socket set screw			4mm E-ring	
	GMA0023	x1		GMA0144	x2		GM60033	x5
	3x25mm Round head wrench bolt			4x15mm Socket set screw			Pin 1.5x7.2mm	
	GMA0024	x1		GMA0145	x16		GM51603	x4
	3x30mm Round head wrench bolt			4x20mm Socket set screw			Pin 2x10.3mm	
	GMA0057	x7		GM60103	x2		GM60065	x6
	3x8mm Flat head wrench bolt			3x10mm Screw pin			Pin 2x11.4mm	
	GMA0058	x4		GMA0154	x1		GM50116	x2
	3x10mm Flat head wrench bolt			M3 Nut			R6 snap pin	
	GMA0060	x1		GMA0156	x4		GMA0213	x1
	3x15mm Flat head wrench bolt			M3 Nylon lock nut			S56 O-ring	
	GMA0211	x6		GMA0157	x7			
	3x18mm Flat head wrench bolt			M4 nylon lock nut				
	GMA0082	x14		GMA0158	x6			
	2x6mm Wrench bolt			3mm Washer				
	GMA0092	x4		GMA0159	x1			
	2.5x6mm Wrench bolt			4mm Washer				

AXLE

1

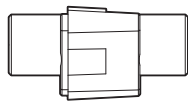
▲ MAKE X 2



GM60068
33T Bevelgear



GM60064
Diff locker



x2



GMA0205
Ball bearing 8x12x3.5mm

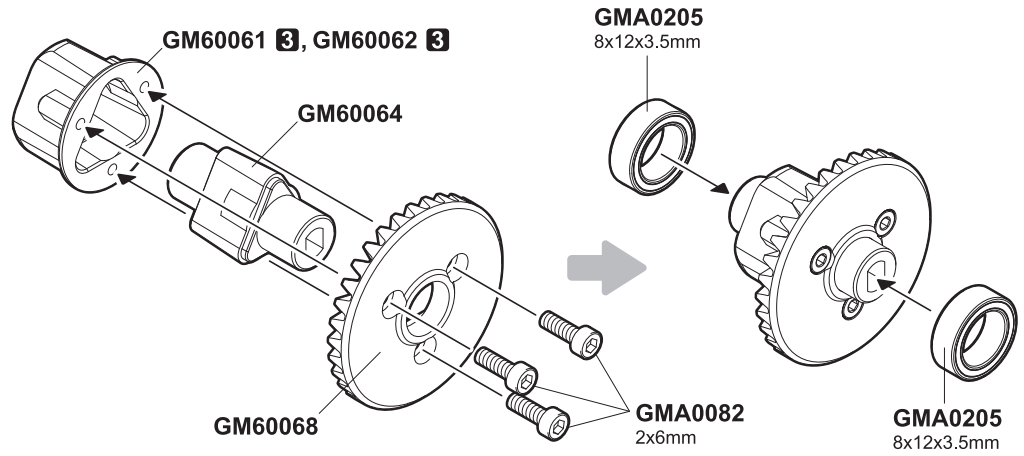
x2

x4



GMA0082
2x6mm Wrench bolt

x6

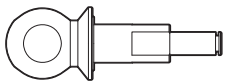
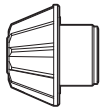


FRONT AXLE

2



GM60067
11T Bevelgear



GM60111
Input universal joint 28mm



GMA0160
2mm E-ring



GMA0205
Ball bearing 8x12x3.5mm

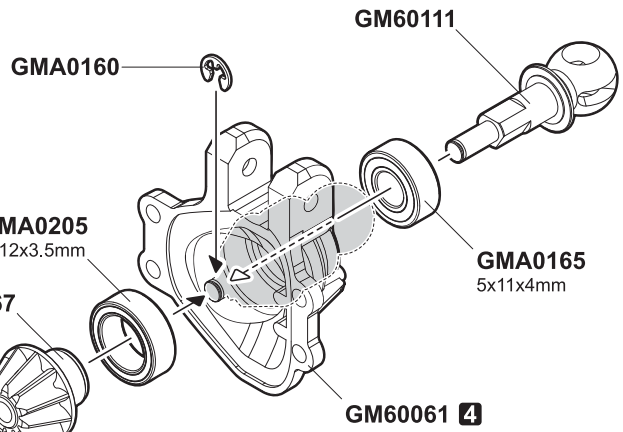
x1



GMA0165
Ball bearing 5x11x4mm

x1

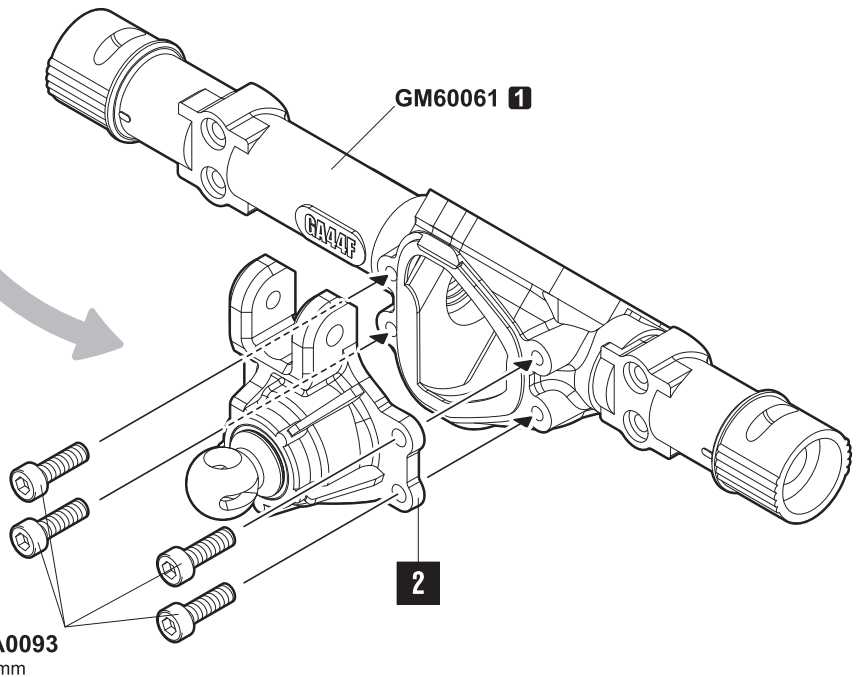
x1

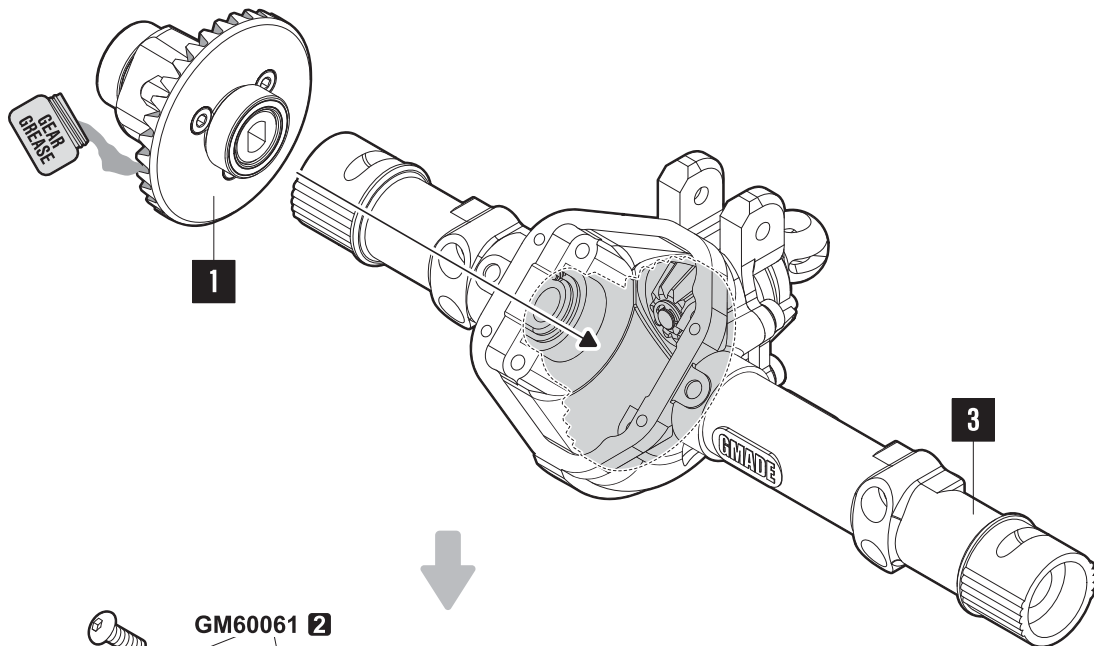


GMA0093
2.5x8mm Wrench bolt

x4

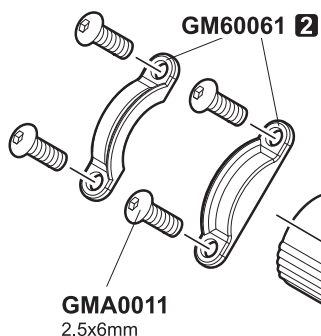
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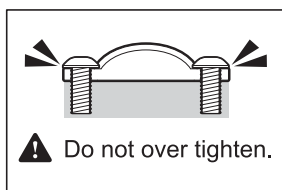


 **GMA0011**
2.5x6mm
Round head wrench bolt

x4

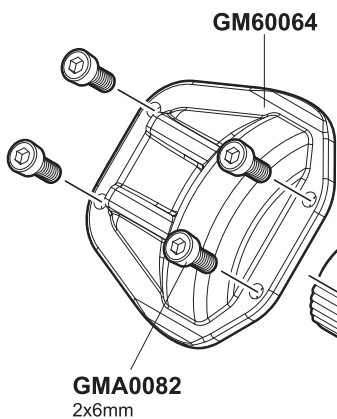


GMA0011
2.5x6mm



 **GMA0082**
2x6mm Wrench bolt

x4



GMA0082
2x6mm

FRONT AXLE

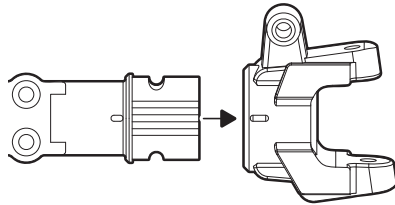


GMA0165
Ball bearing 5x11x4mm

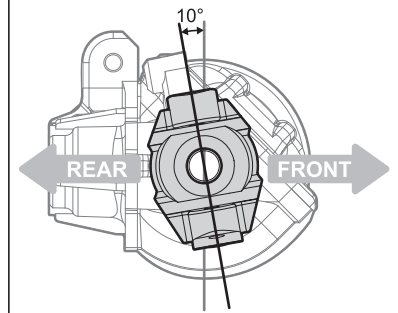
x2

5

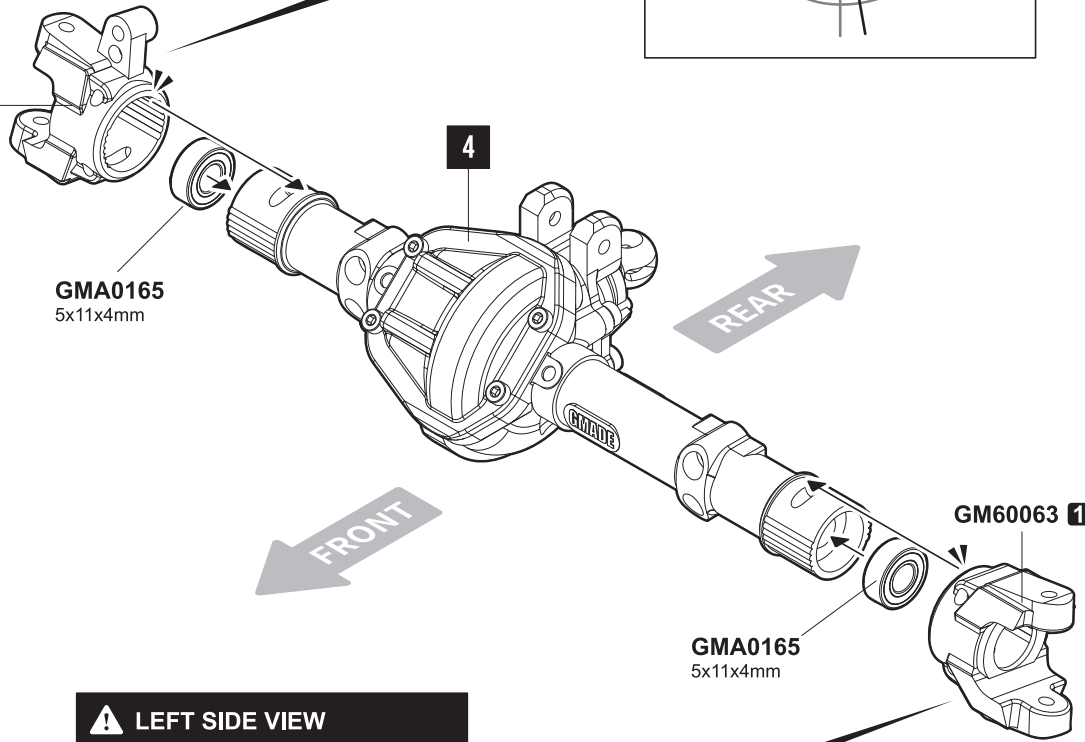
RIGHT C-HUB CASTER ANGLE SETUP



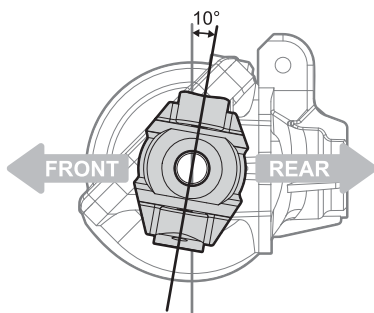
RIGHT SIDE VIEW



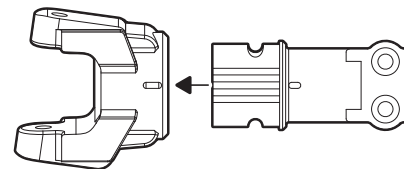
GM60063 2



LEFT SIDE VIEW



LEFT C-HUB CASTER ANGLE SETUP

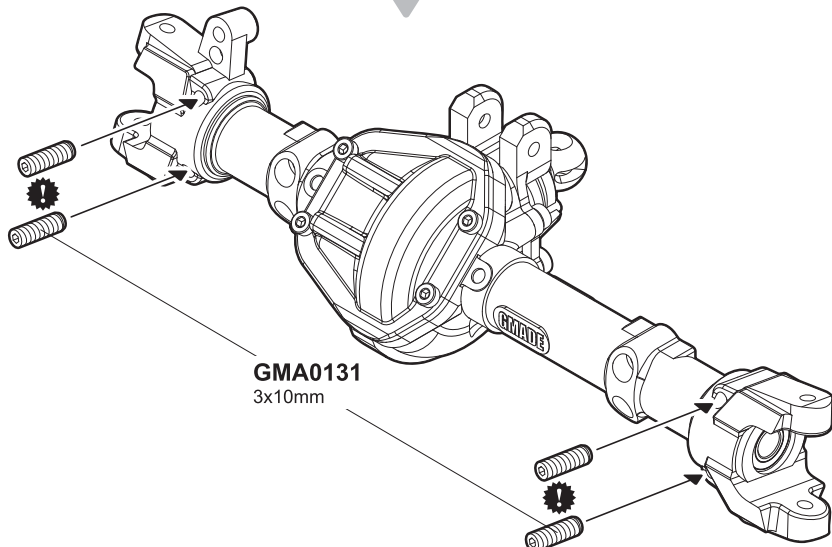


GMA0131
3x10mm Socket set screw

x4

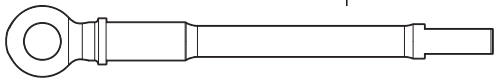
CAUTION

OVER TIGHTEN

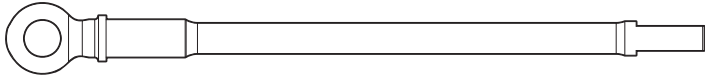


FRONT AXLE

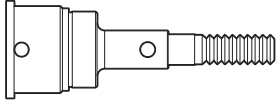
6-A



GM60109
CVA drive shaft 64mm x1



GM60109
CVA drive shaft 92mm x1



GM60109
CVA wheel axle shaft 35mm x2



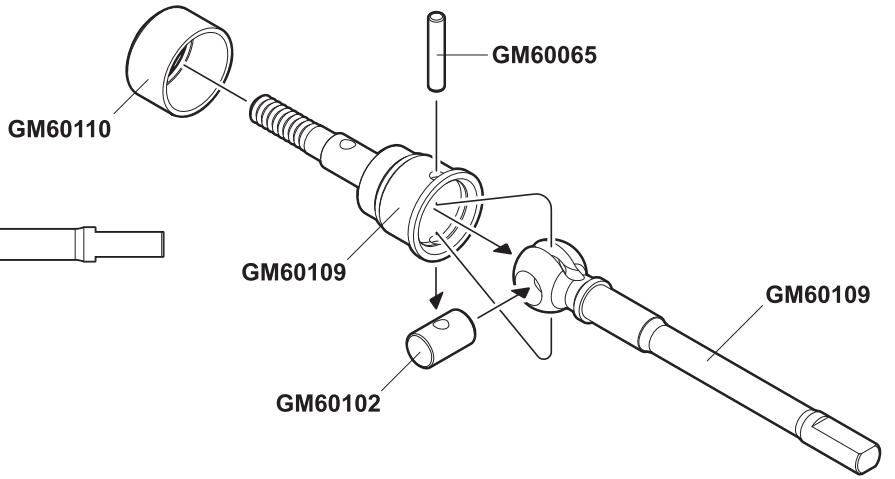
GM60110
CVA pin retaining ring x2



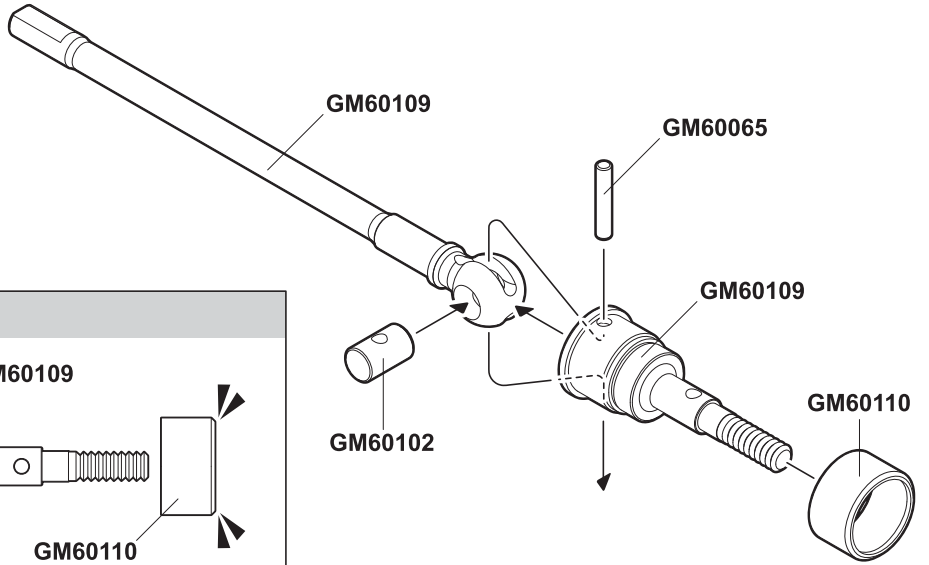
GM60102
CVA drive coupler x2



GM60065
Pin 2x11.4mm x2



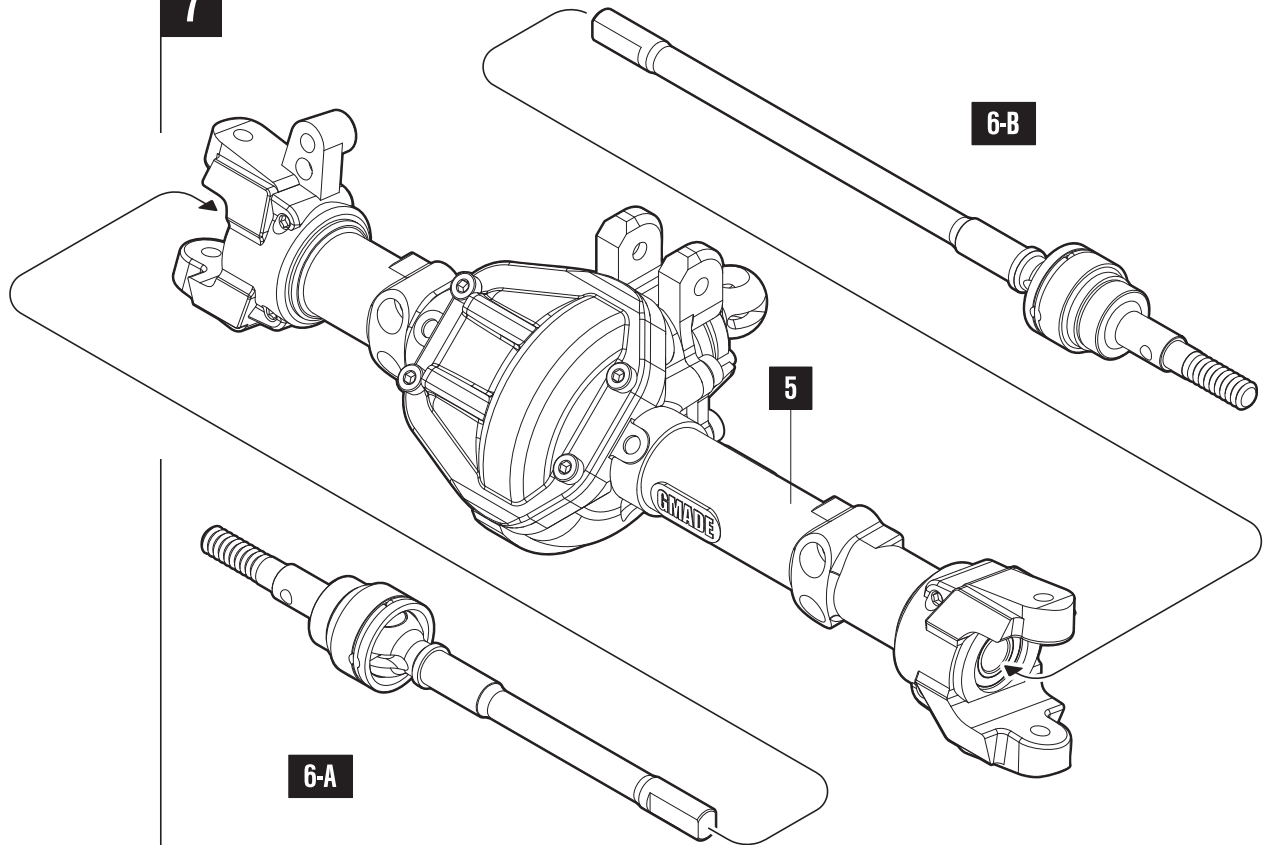
6-B



CAUTION

Diagram showing the correct orientation for installing the retaining ring (GM60110) and coupler (GM60102) onto the drive shaft (GM60109). Arrows indicate the direction of force to be applied.

7



FRONT AXLE



GMA0019
3x10mm
Round head wrench bolt

x4

8

GMA0165
5x11x4mm

GM60063 4

GM60023 3

GMA0167
10x15x4mm

GMA0167
10x15x4mm

GM60023 3

GMA0165
5x11x4mm

GM60063 3

GMA0019
3x10mm

7

GMA0019
3x10mm

x2

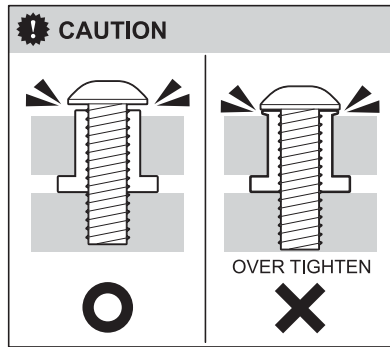


GMA0165
Ball bearing 5x11x4mm



GMA0167
Ball bearing 10x15x4mm

x2



GMA0019
3x10mm

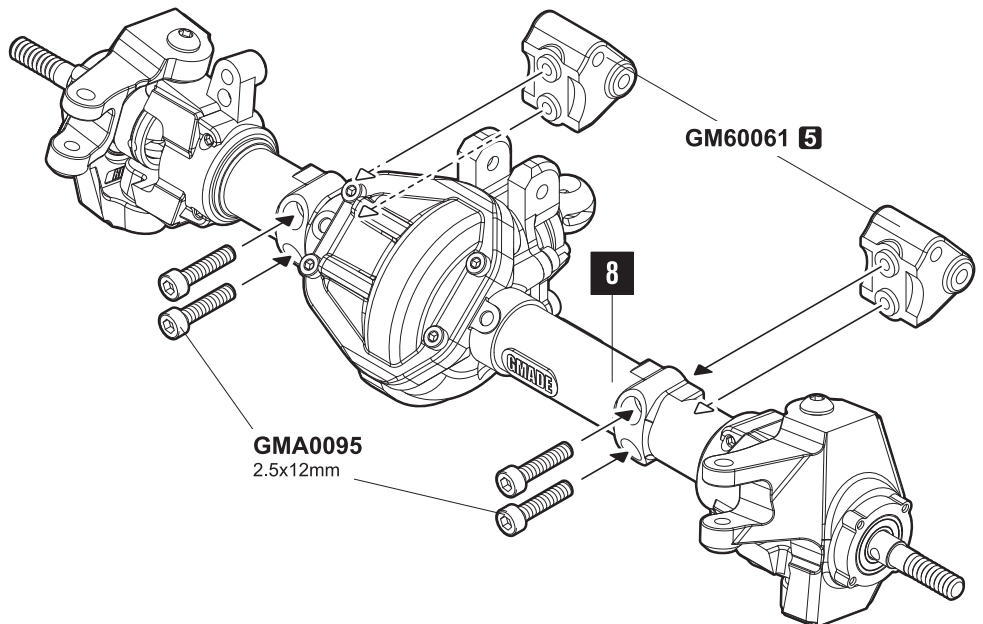
GMA0019
3x10mm

9



GMA0095
2.5x12mm Wrench bolt

x4



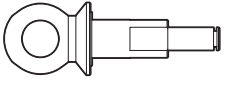
REAR AXLE

10



GM60067
11T Bevelgear

x1



GM60111
Input universal joint 28mm

x1



GMA0160
2mm E-ring

x1



GMA0165
Ball bearing 5x11x4mm

x1



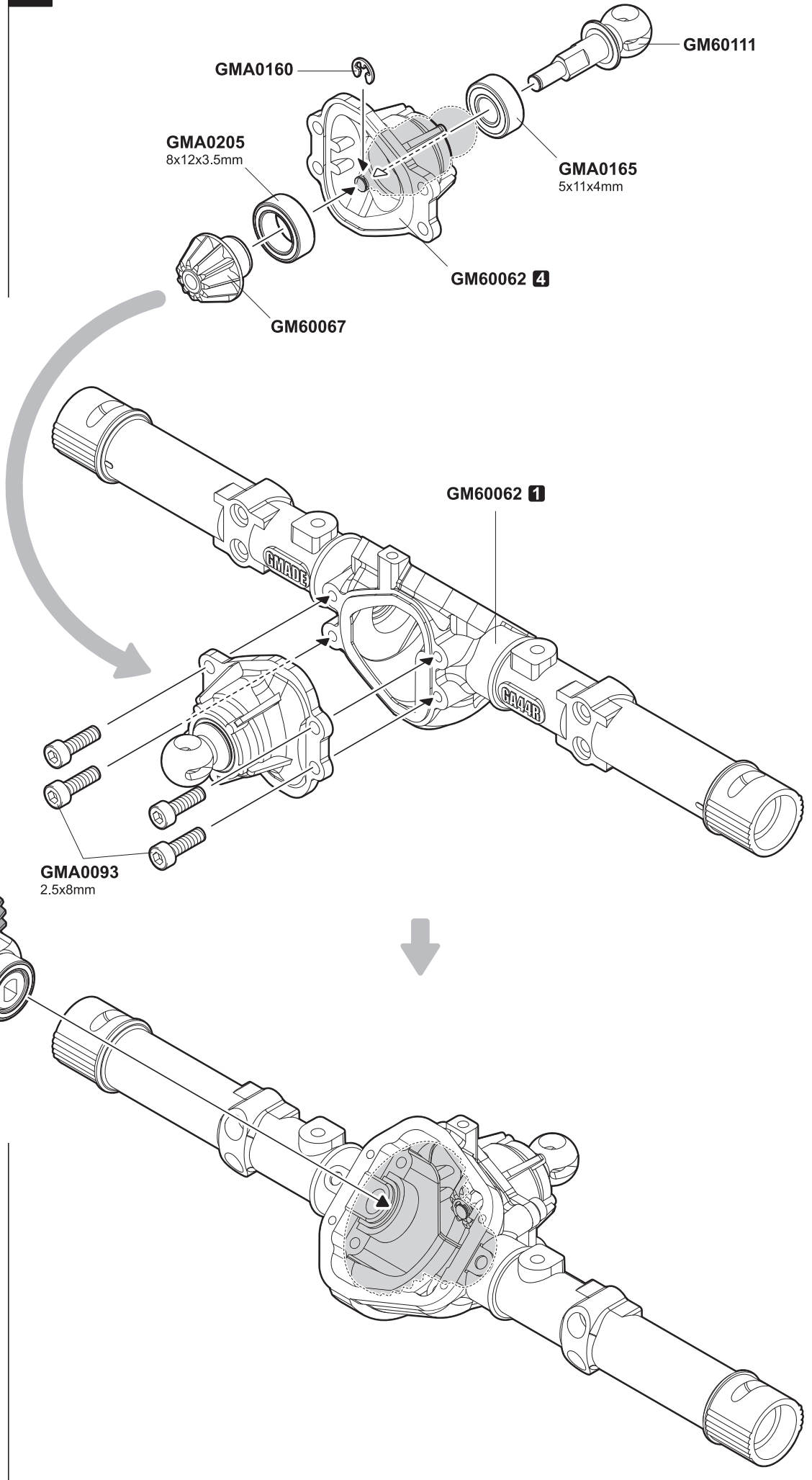
GMA0205
Ball bearing 8x12x3.5mm

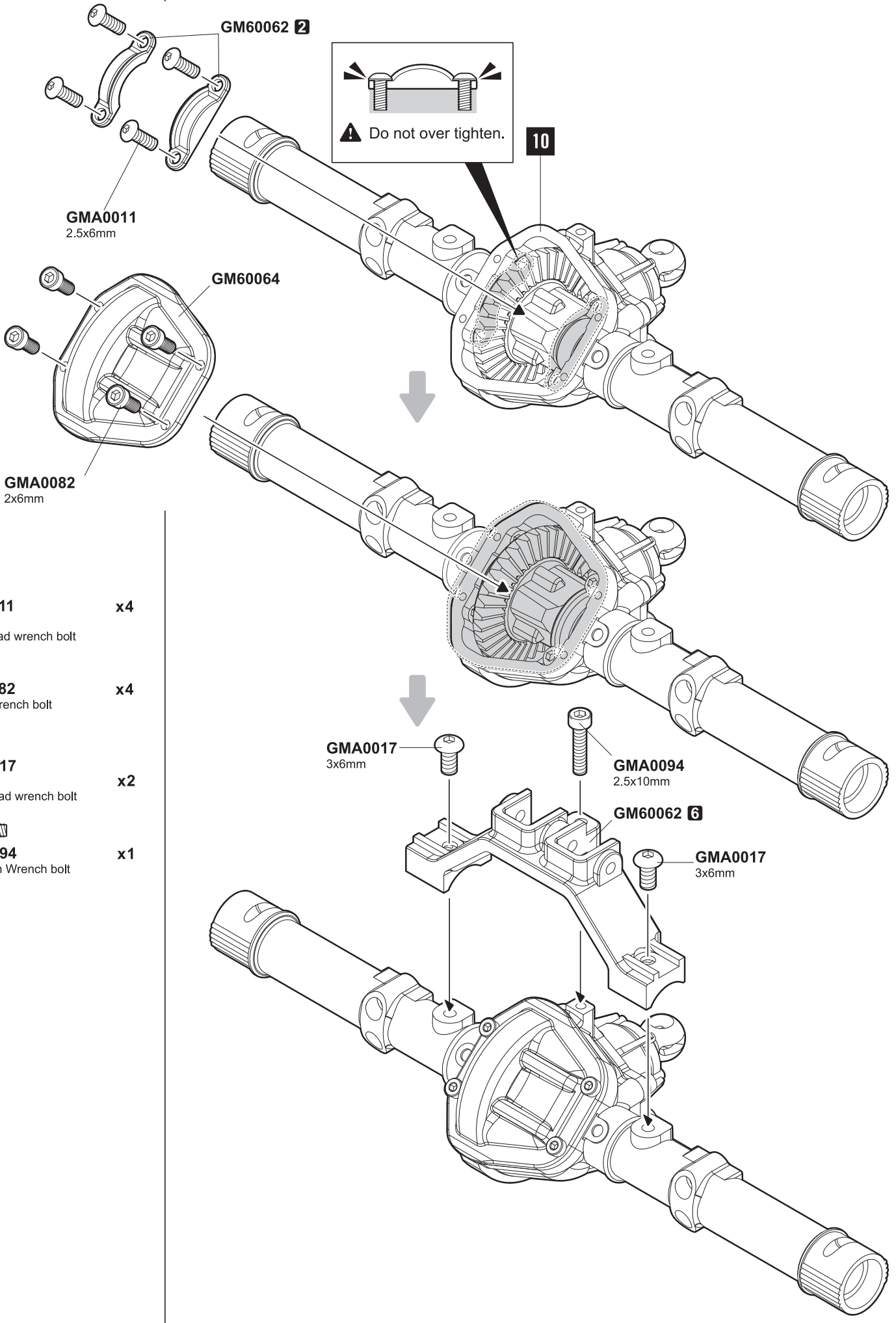
x1







GMA0093
2.5x8mm Wrench bolt

x4

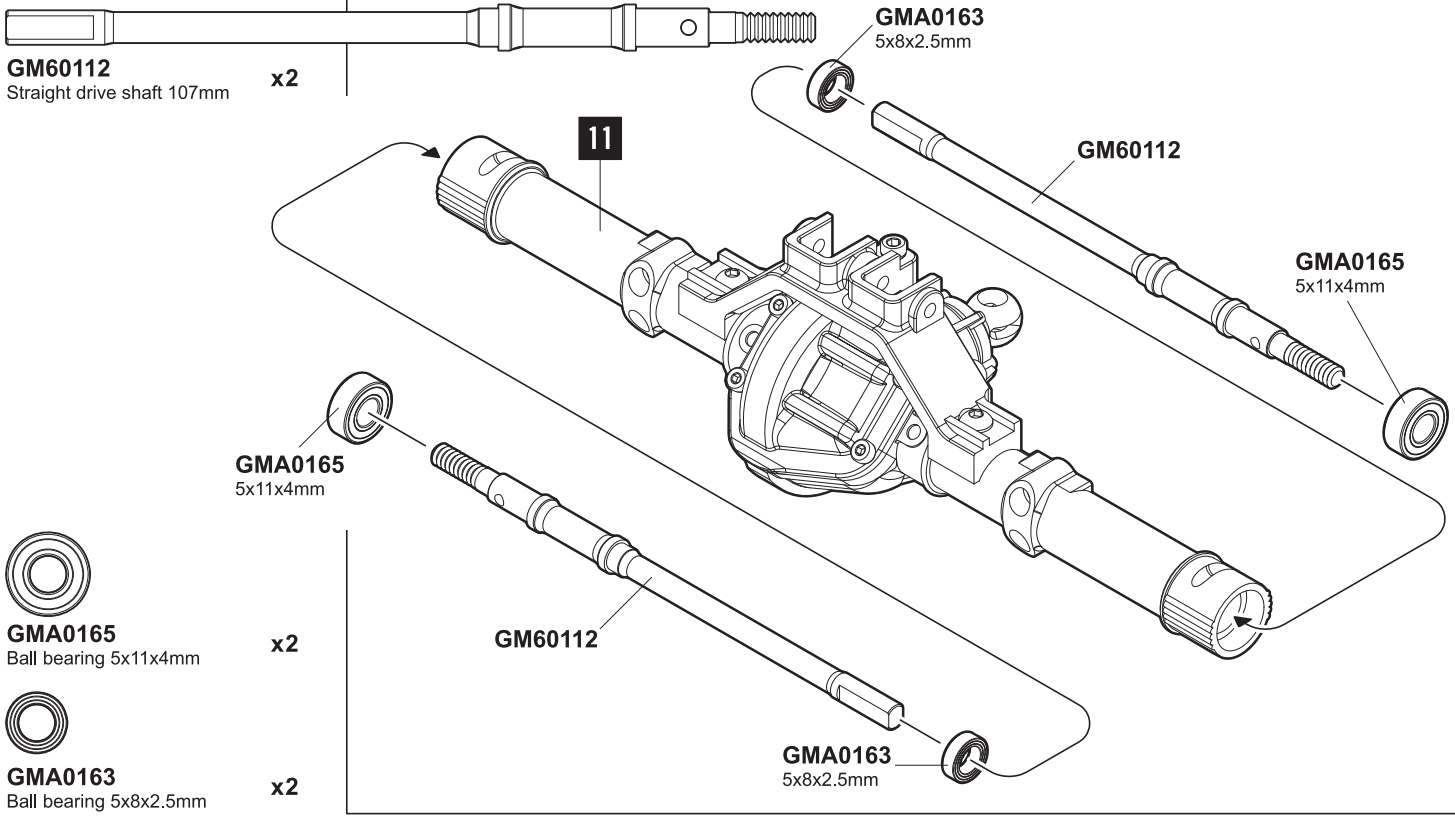




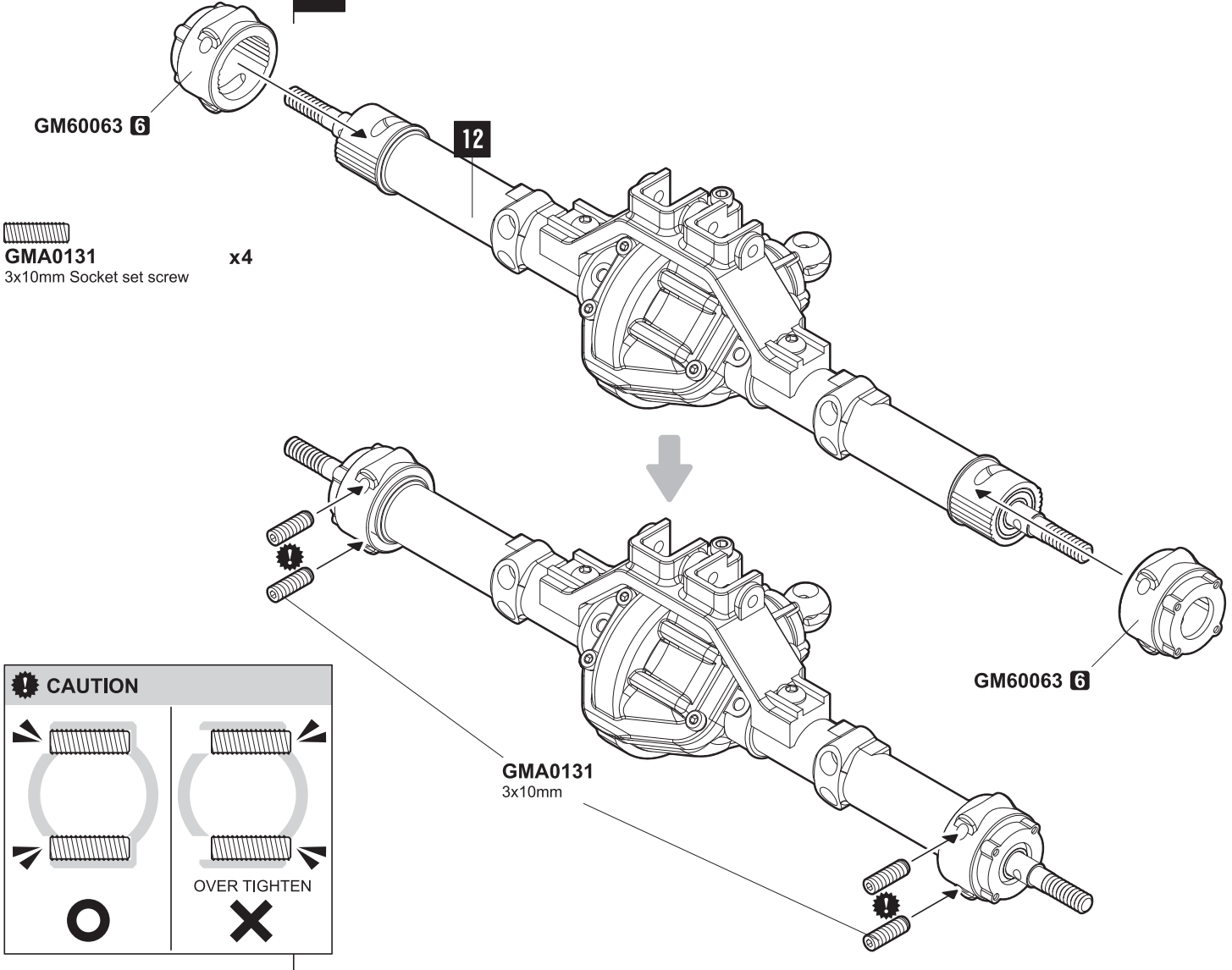
- 
GMA0011 x4
 2.5x6mm
 Round head wrench bolt
- 
GMA0082 x4
 2x6mm Wrench bolt
- 
GMA0017 x2
 3x6mm
 Round head wrench bolt
- 
GMA0094 x1
 2.5x10mm Wrench bolt

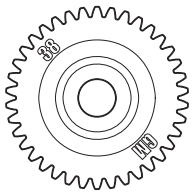
REAR AXLE

12



13





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

GM60033
Pin 1.5x7.2mm x2

GMA0162
4mm E-ring x2

GMA0163
Ball bearing 5x8x2.5mm x1

GMA0165
Ball bearing 5x11x4mm x3



GM60069
48P 18T gear x1



GM60113
Transmission shaft 26mm x1

GMA0163
5x8x2.5mm

GMA0162

GM60069

GM60113

GM60071

GM60033

GMA0165
5x11x4mm

GMA0162

GMA0165
5x11x4mm

GM60033

GM60114



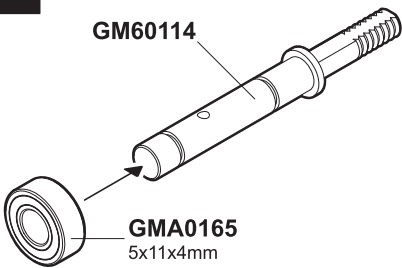
GM60069
48P 18T gear x1

GM60114
Slipper shaft 46mm x1

GM60033
Pin 1.5x7.2mm x1

GMA0162
4mm E-ring x2

GMA0165
Ball bearing 5x11x4mm x2



GMA0165
5x11x4mm

GMA0162

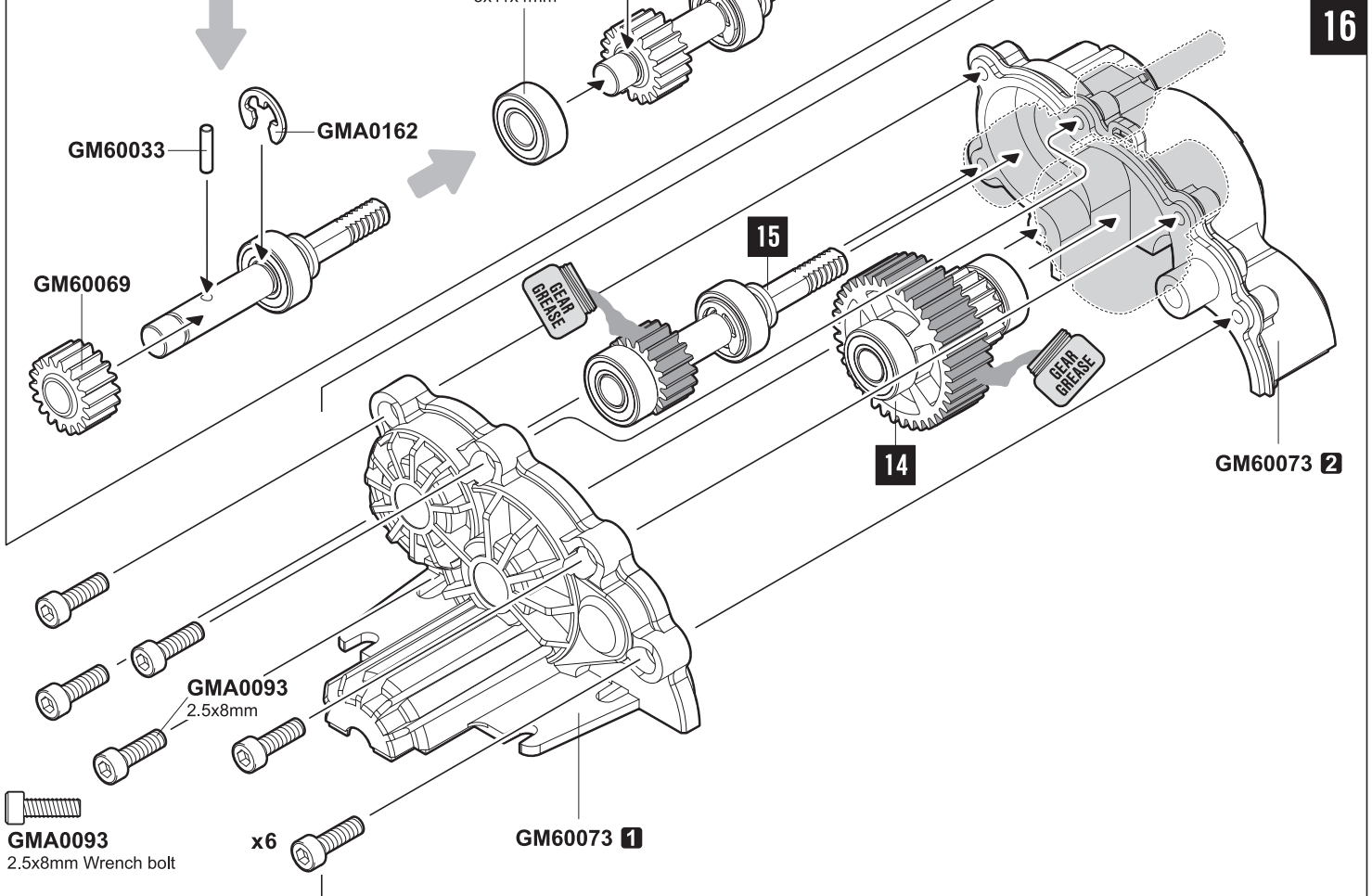
GM60033

GMA0162

GM60069



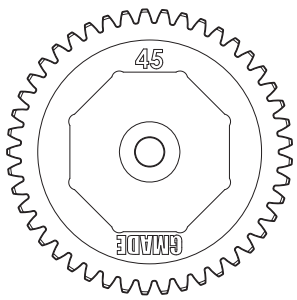
15



GMA0093
2.5x8mm Wrench bolt x6

GM60073 1

GM60073 2



GM60080A
32P 45T Spur gear x1



GMA0210
4mm conical spring washer x4



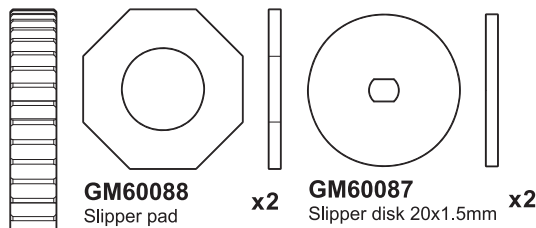
GMA0159
4mm Washer x1



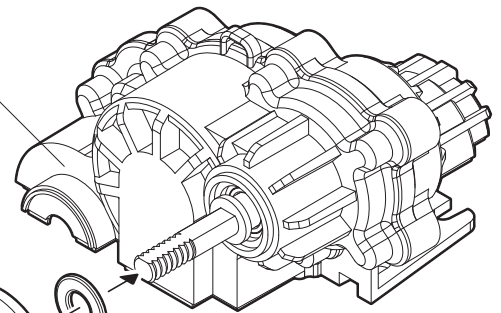
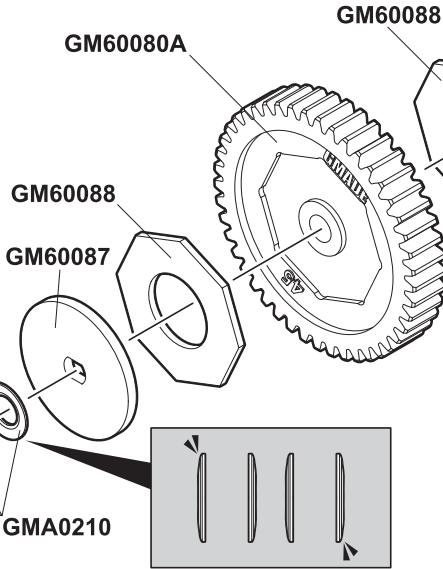
GMA0157
M4 nylon lock nut x1



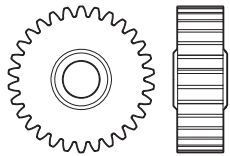
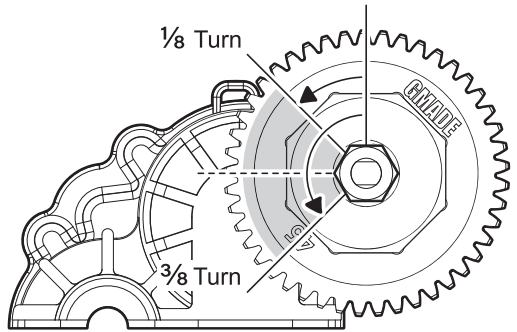
GMA0157
M4 nylon lock nut x1



GM60088 x2
Slipper pad
GM60087 x2
Slipper disk 20x1.5mm



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



GM60070
48P 30T gear x1



GM60033
Pin 1.5x7.2mm x1



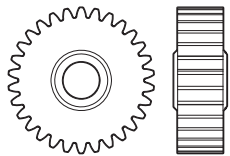
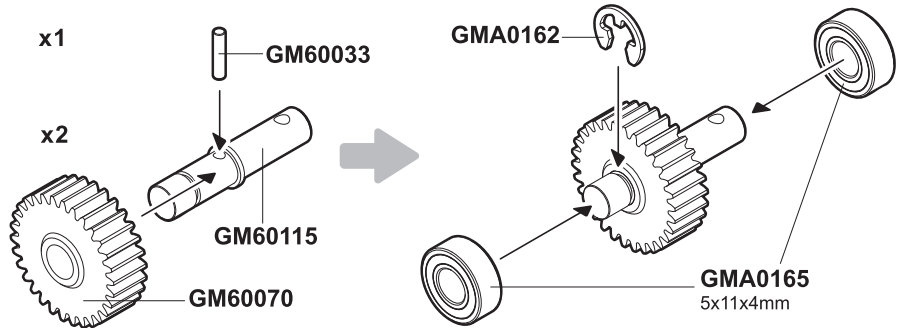
GM60115
Transmission output front shaft 25mm x1



GMA0162 x1
4mm E-ring



GMA0165 x2
Ball bearing 5x11x4mm



GM60070
48P 30T gear x1



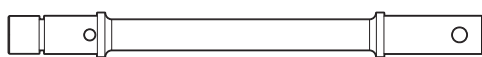
GM60033 x1
Pin 1.5x7.2mm



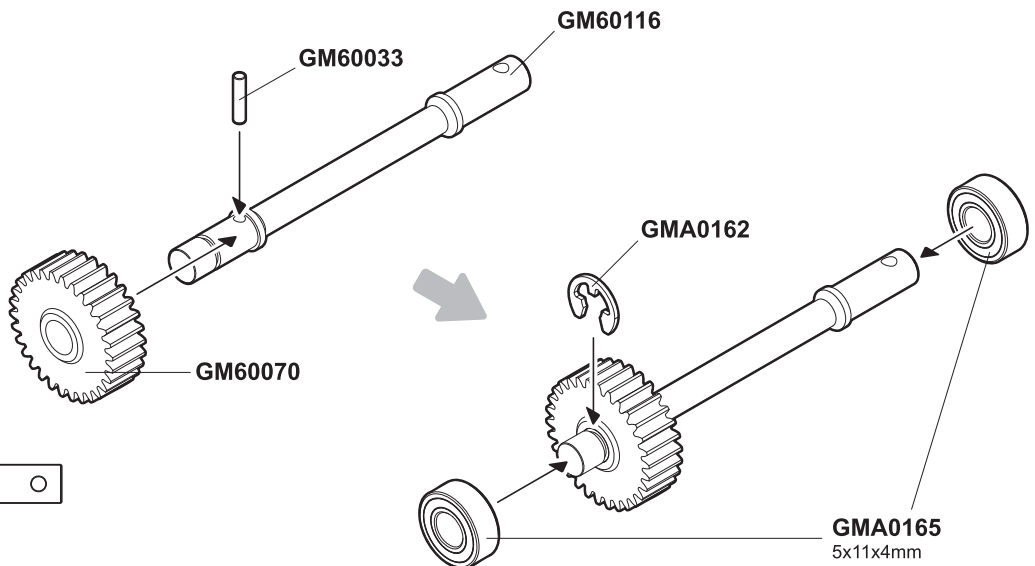
GMA0162 x1
4mm E-ring



GMA0165 x2
Ball bearing 5x11x4mm

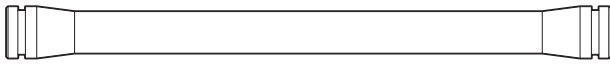


GM60116 x1
Transmission output rear shaft 63mm

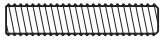


FRONT LOWER LINK

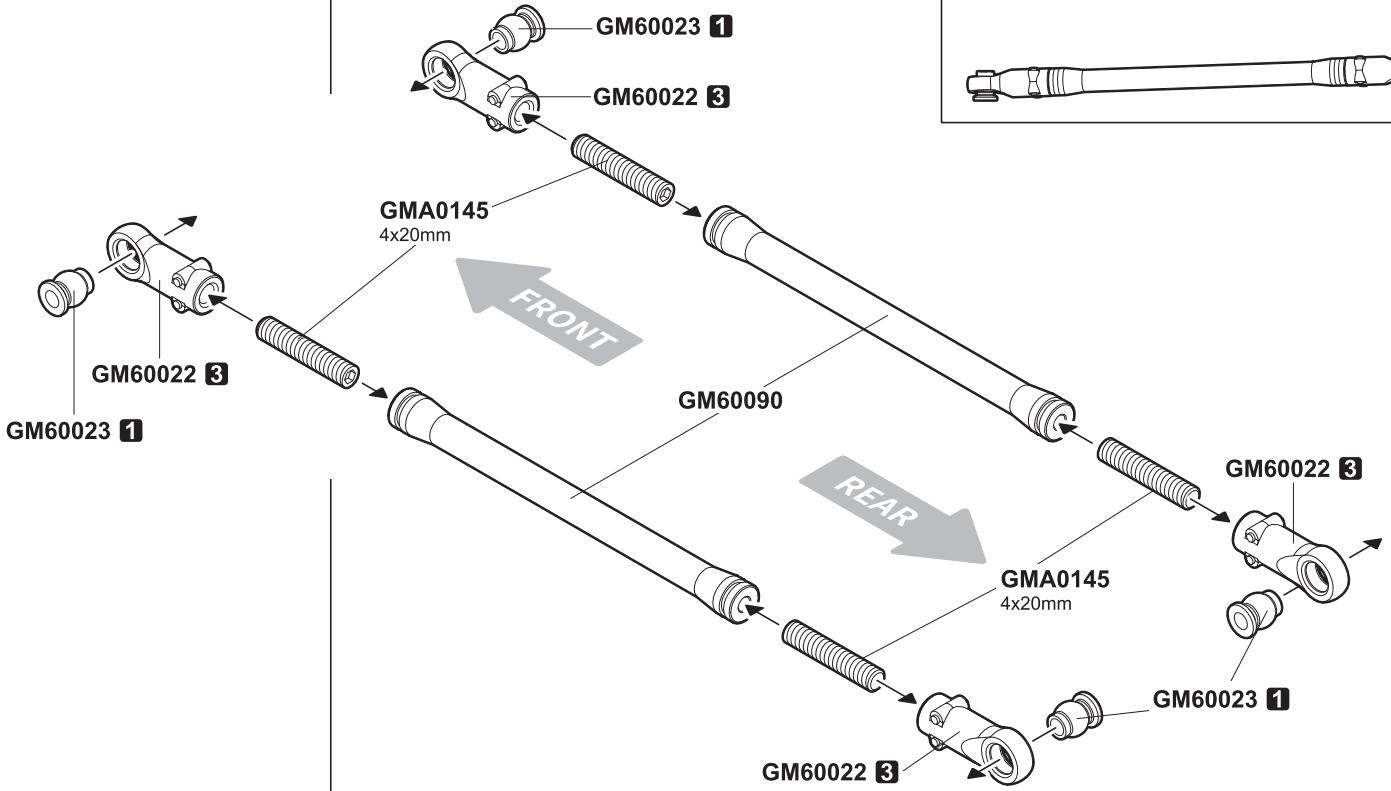
20



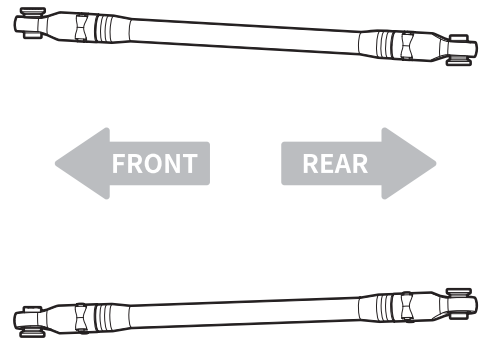
GM60090
Lower link M4x6.8x80mm x2



GMA0145
4x20mm Socket set screw x4

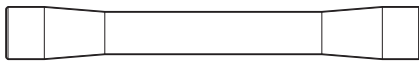


FRONT LOWER LINK TOP VIEW



FRONT UPPER LINK

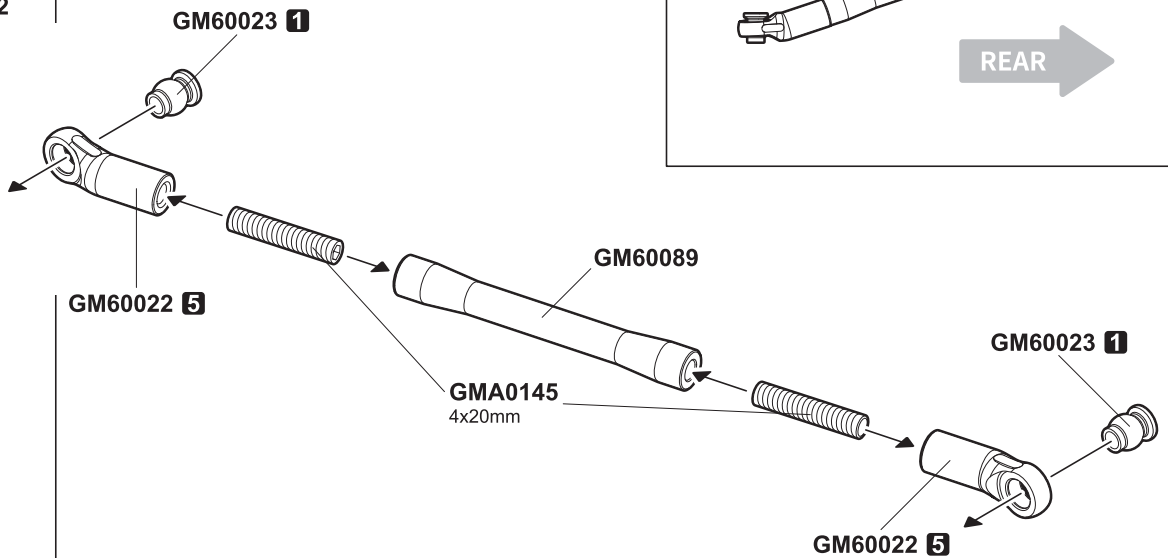
21



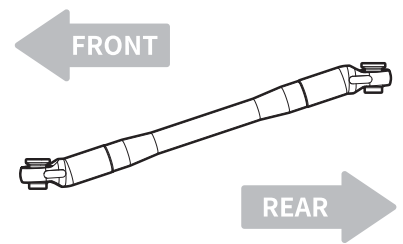
GM60089
Upper link M4x6.8x55mm x1



GMA0145
4x20mm Socket set screw x2

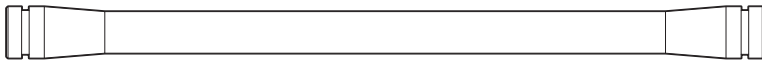


FRONT UPPER LINK TOP VIEW

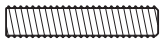


REAR LOWER LINK

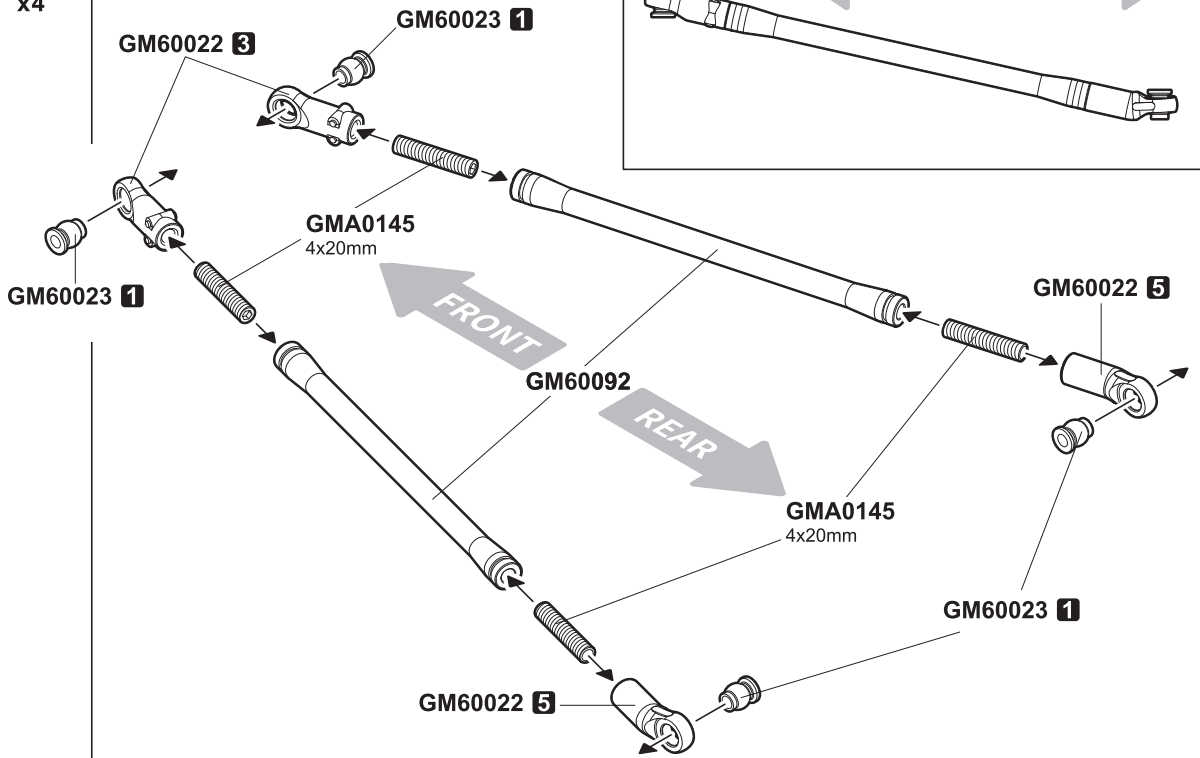
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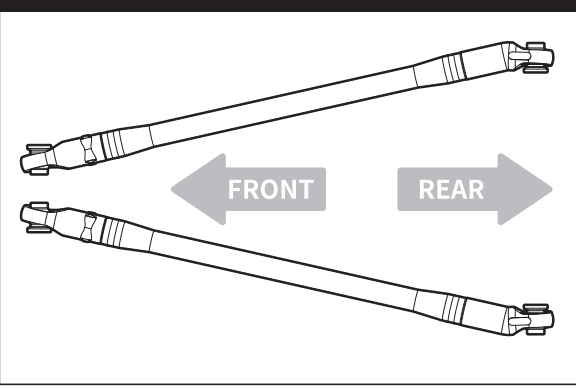
GM60092
Lower link M4x6.8x100mm x2



GMA0145
4x20mm Socket set screw x4



REAR LOWER LINK TOP VIEW



REAR UPPER LINK

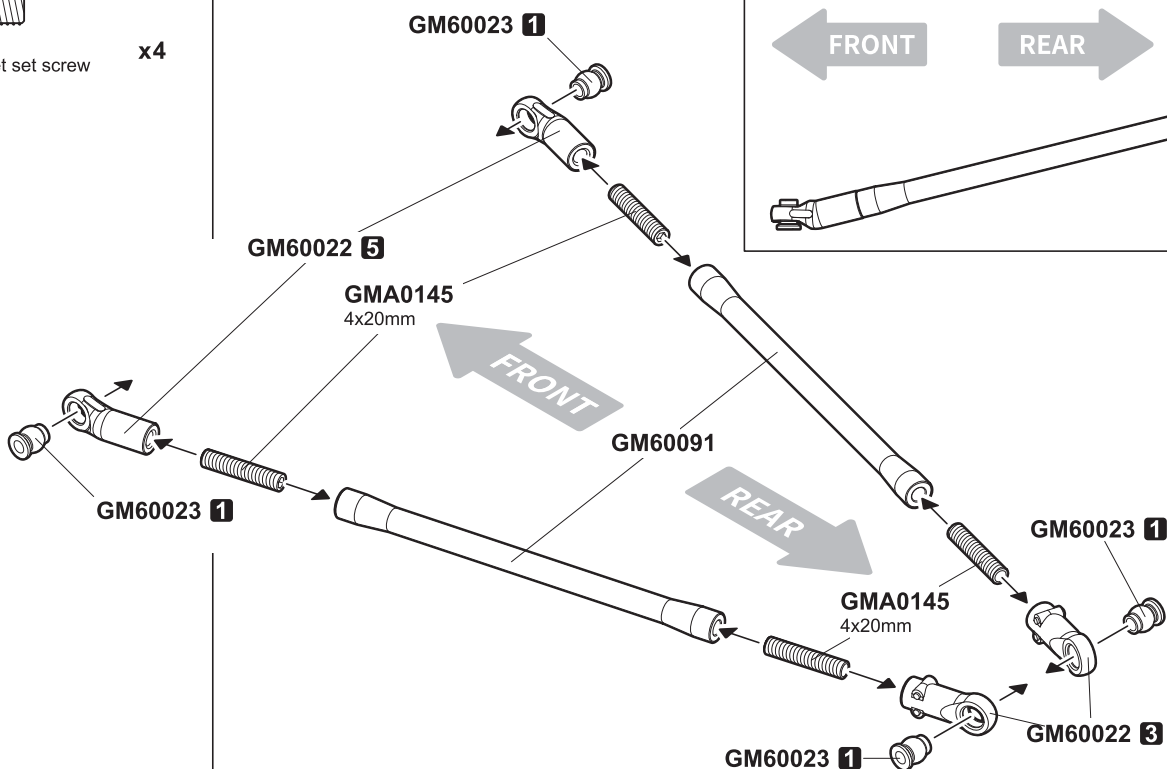
23



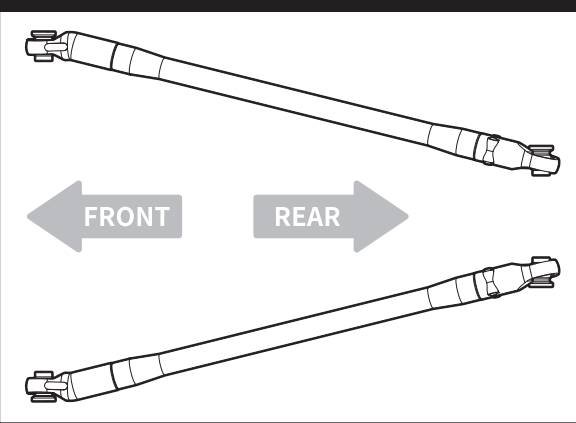
GM60091
Upper link M4x6.8x98mm x2



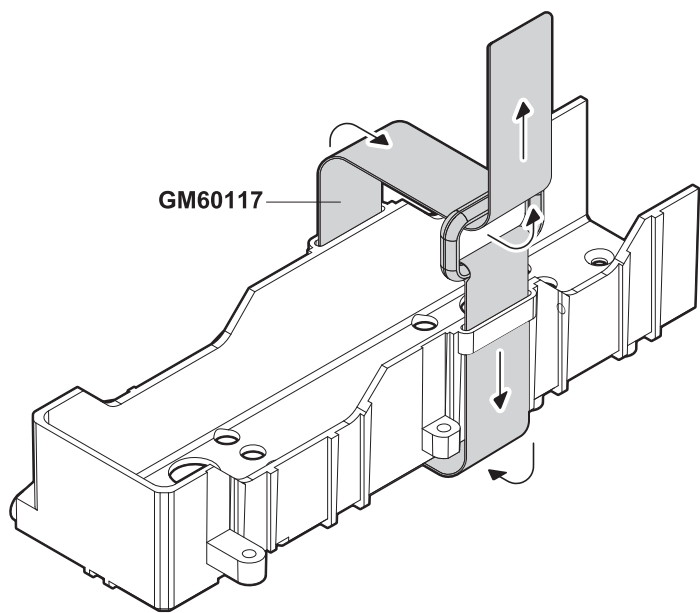
GMA0145
4x20mm Socket set screw x4



REAR UPPER LINK TOP VIEW



INSTALL VELCRO STRAP BEFORE BATTERY TRAY IS INSTALLED.



GM60117



GMA0018

3x8mm
Round head wrench bolt

x4



GMA0020

3x12mm
Round head wrench bolt

x4



GMA0154

M3 Nut

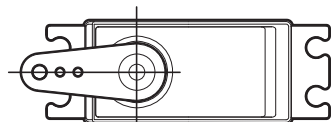
x1



GM60093

5.8mm ball stud M3x5mm

x1



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

SERVO HORN



SANWA
Airtronics
JR
KO

GM60078 **5**

GMA0154

GMA0018
3x8mm



Hitec

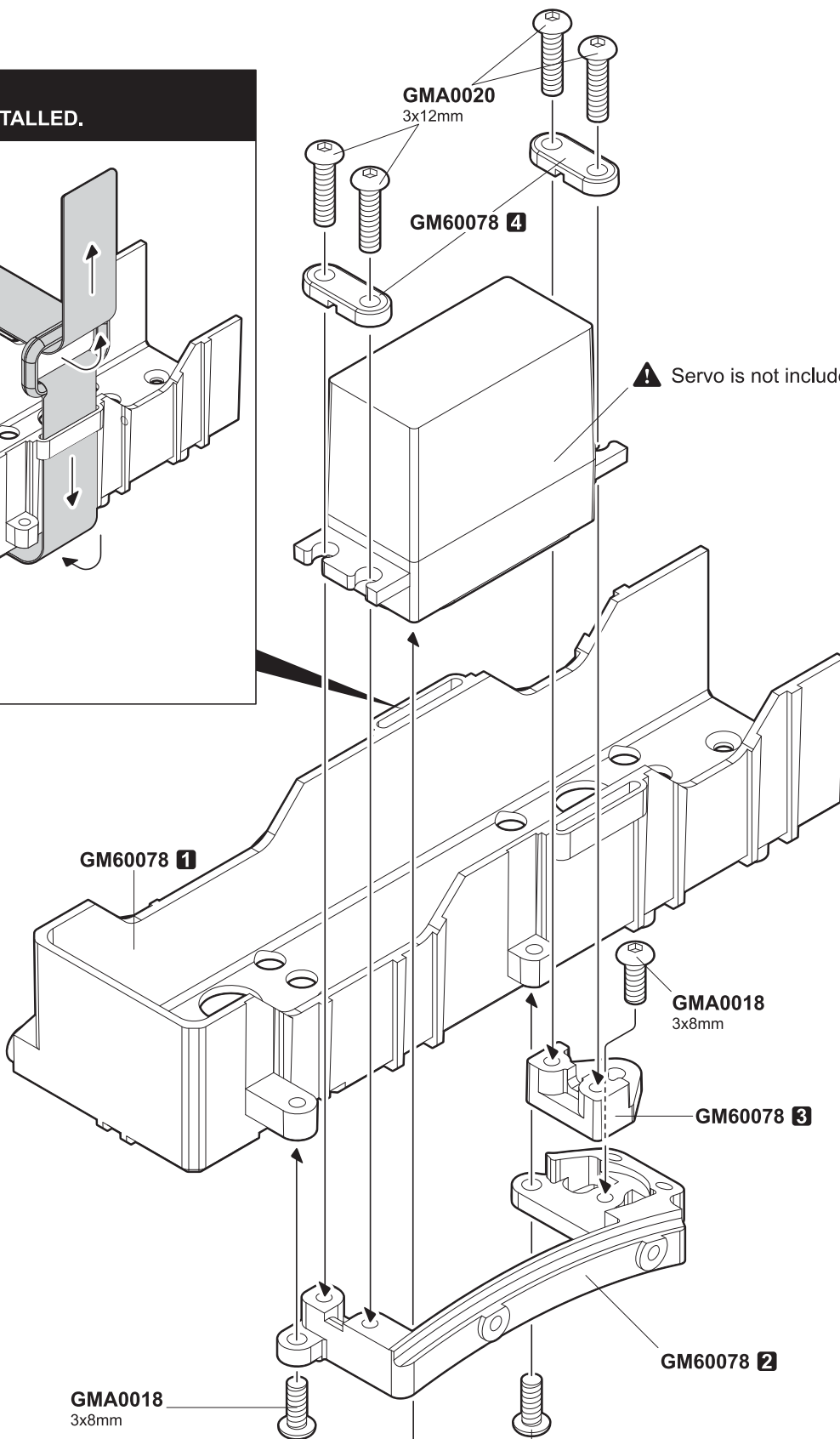
GM60078 **6**



Futaba

GM60078 **7**

GM60093



GMA0020
3x12mm

GM60078 **4**

⚠ Servo is not included.

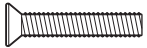
GM60078 **1**

GMA0018
3x8mm

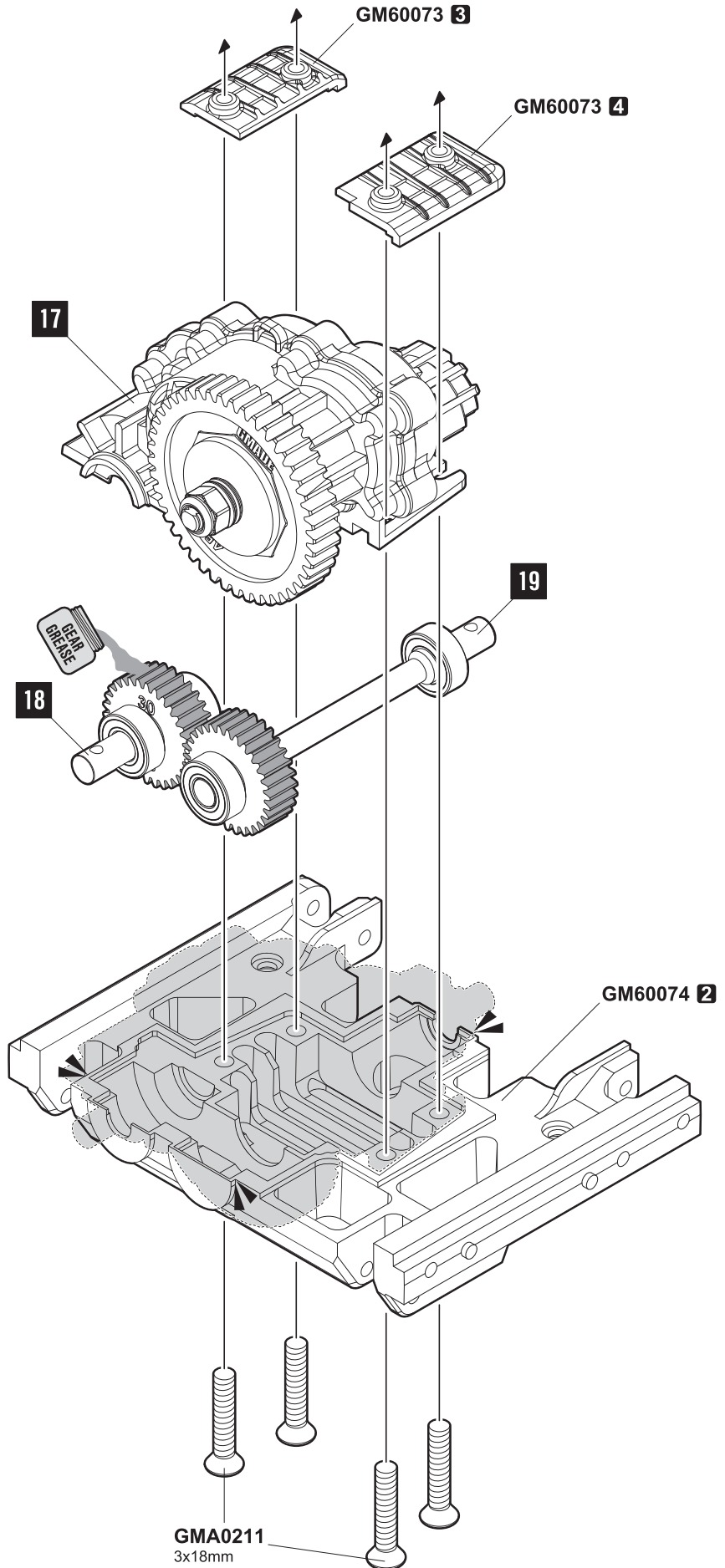
GM60078 **3**




GM60078 **2**

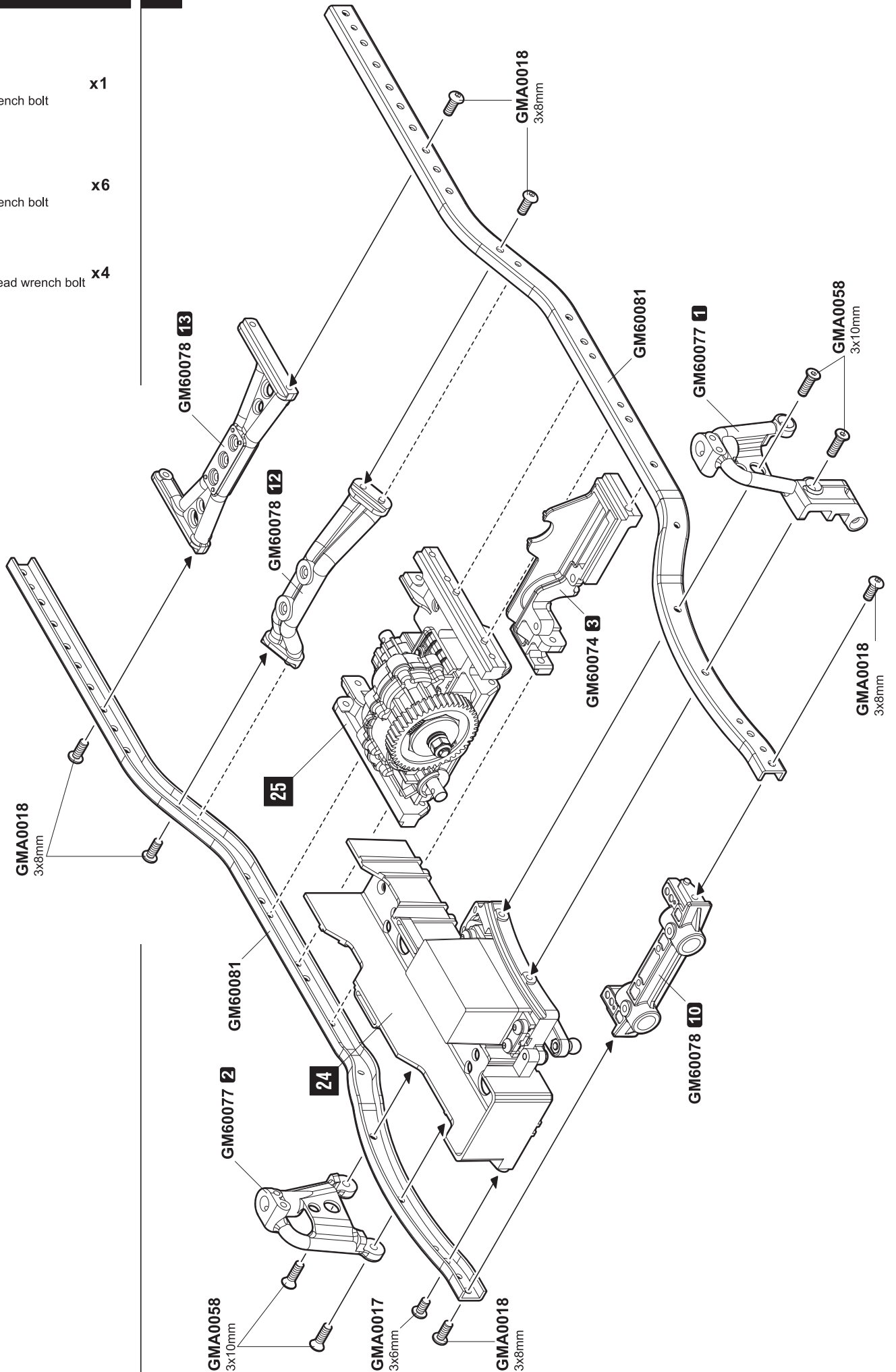
GMA0018
3x8mm



GMA0211 x4
3x18mm Flat head wrench bolt



- 
GMA0017
 3x6mm
 Round head wrench bolt **x1**
- 
GMA0018
 3x8mm
 Round head wrench bolt **x6**
- 
GMA0058
 3x10mm Flat head wrench bolt **x4**





GMA0017
3x6mm
Round head wrench bolt

x4



GMA0018
3x8mm
Round head wrench bolt

x2



GMA0021
3x15mm
Round head wrench bolt

x2

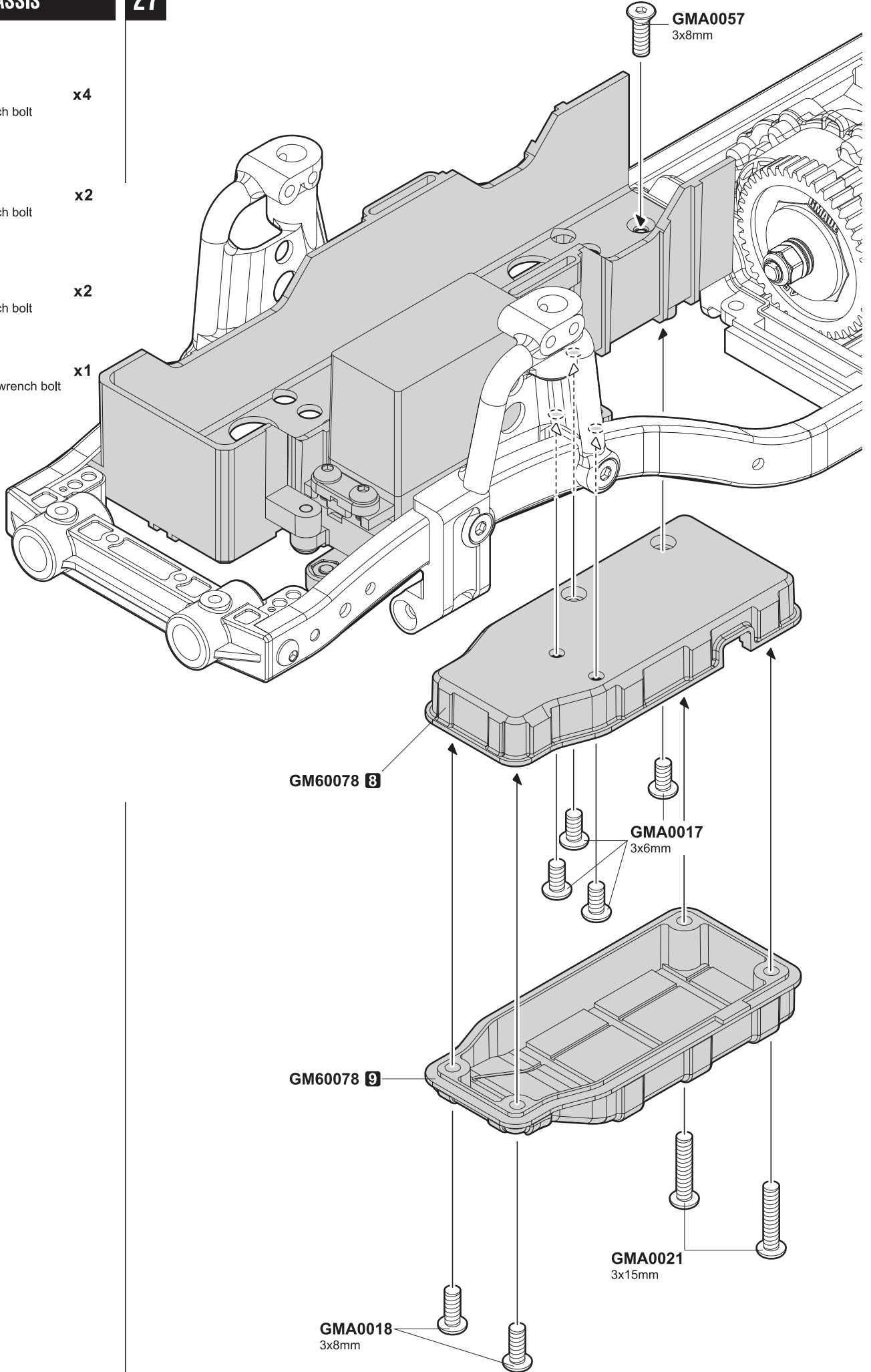


GMA0057
3x8mm Flat head wrench bolt

x1



GMA0057
3x8mm



GM60078 8

GMA0017
3x6mm

GM60078 9

GMA0021
3x15mm

GMA0018
3x8mm



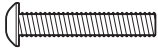
GMA0018
3x8mm
Round head wrench bolt

x1



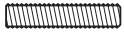
GMA0019
3x10mm
Round head wrench bolt

x4



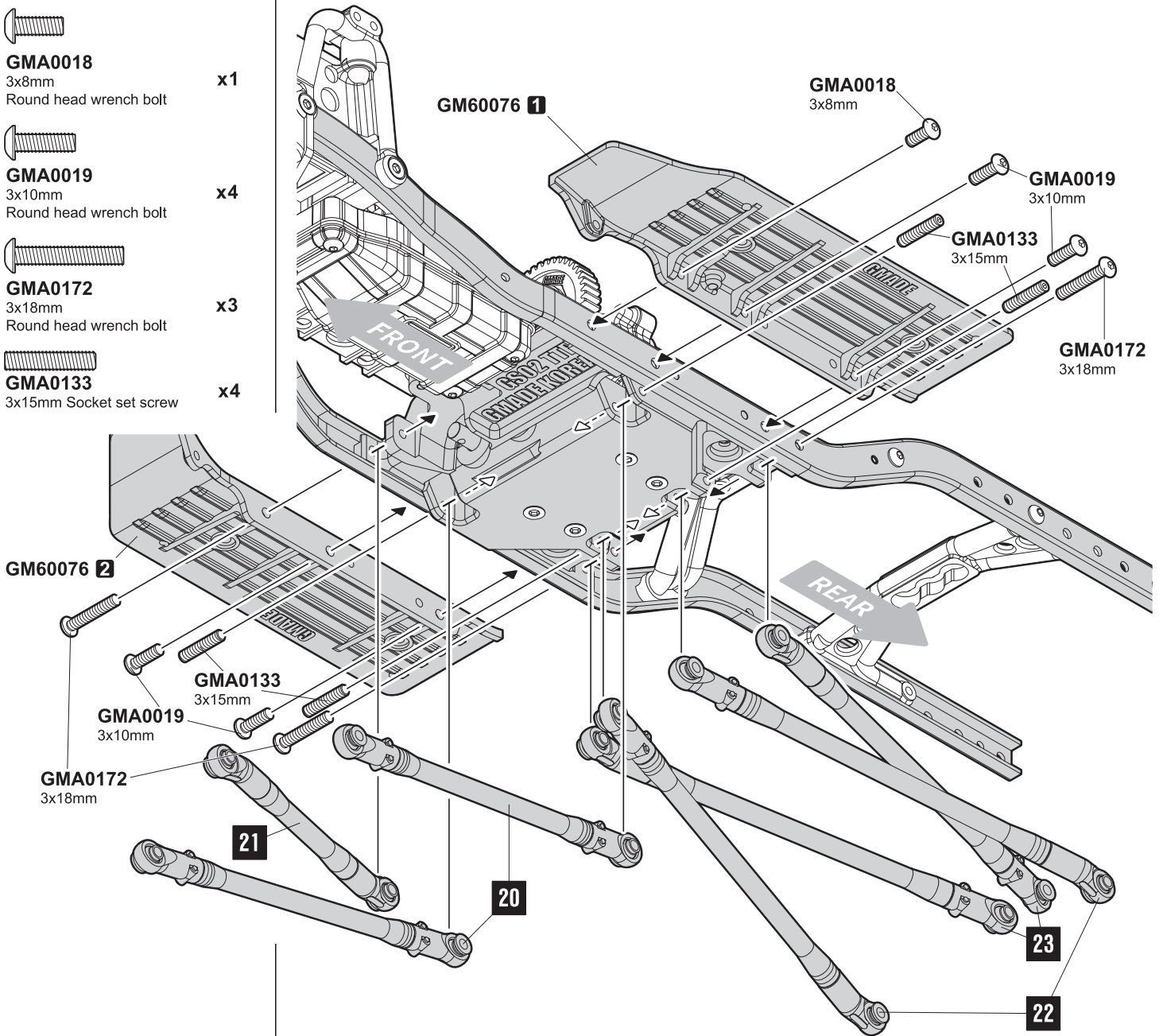
GMA0172
3x18mm
Round head wrench bolt

x3

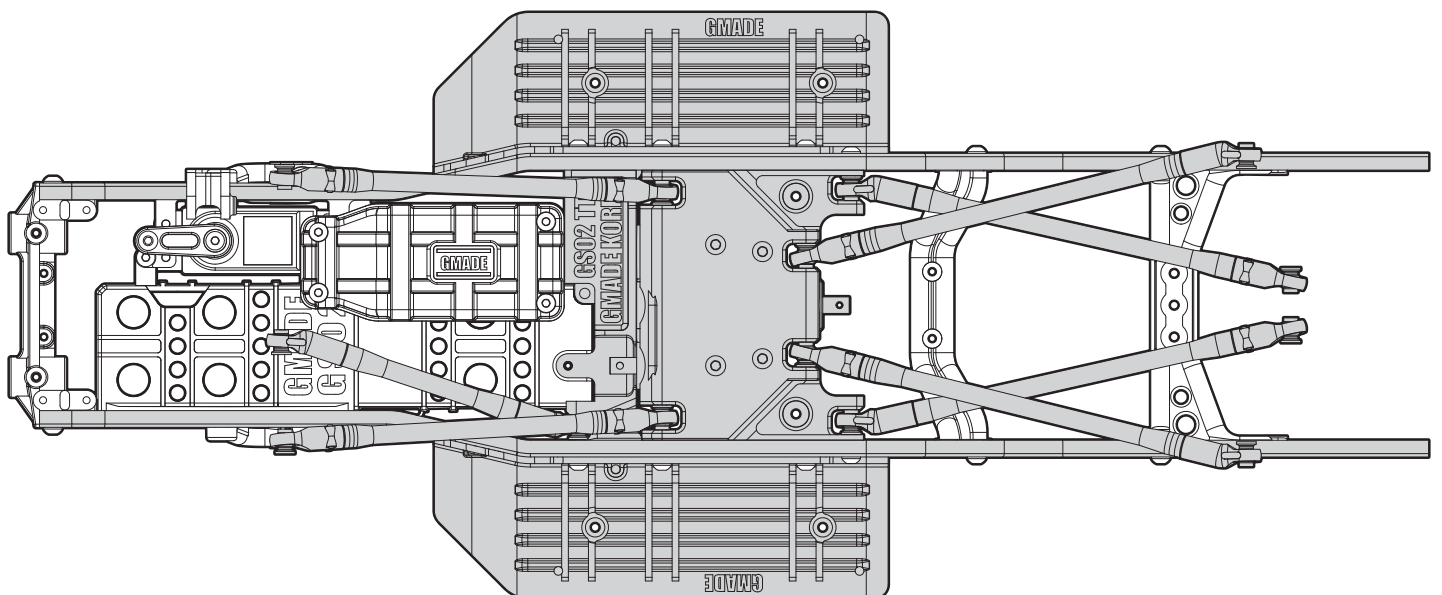


GMA0133
3x15mm Socket set screw

x4



CHASSIS BOTTOM VIEW



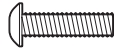
CHASSIS

29



GMA0018
3x8mm
Round head wrench bolt

x2



GMA0020
3x12mm
Round head wrench bolt

x3



GMA0127
3x4mm Socket set screw

x1



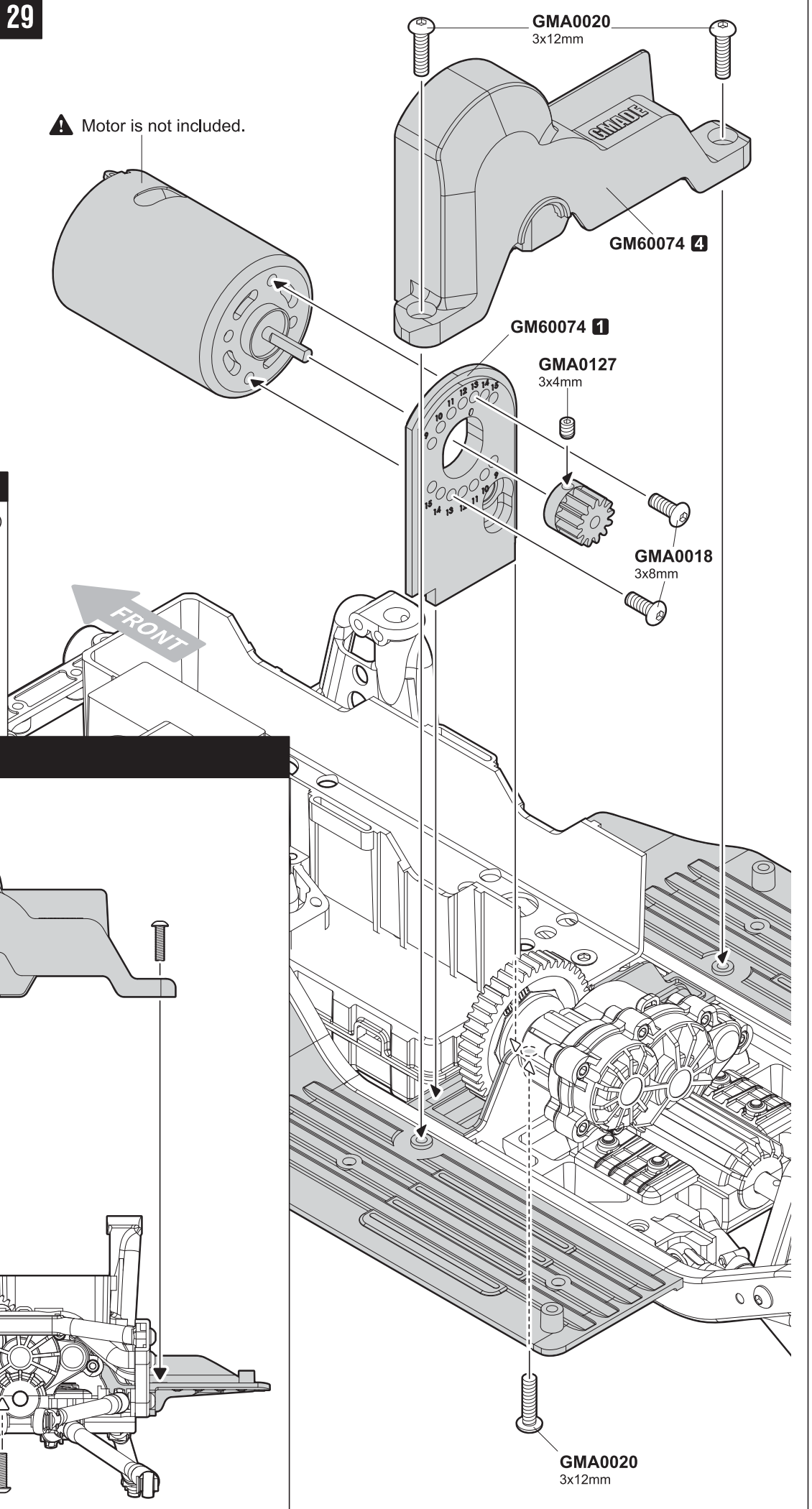
GM60072
32P 13T pinion gear

x1

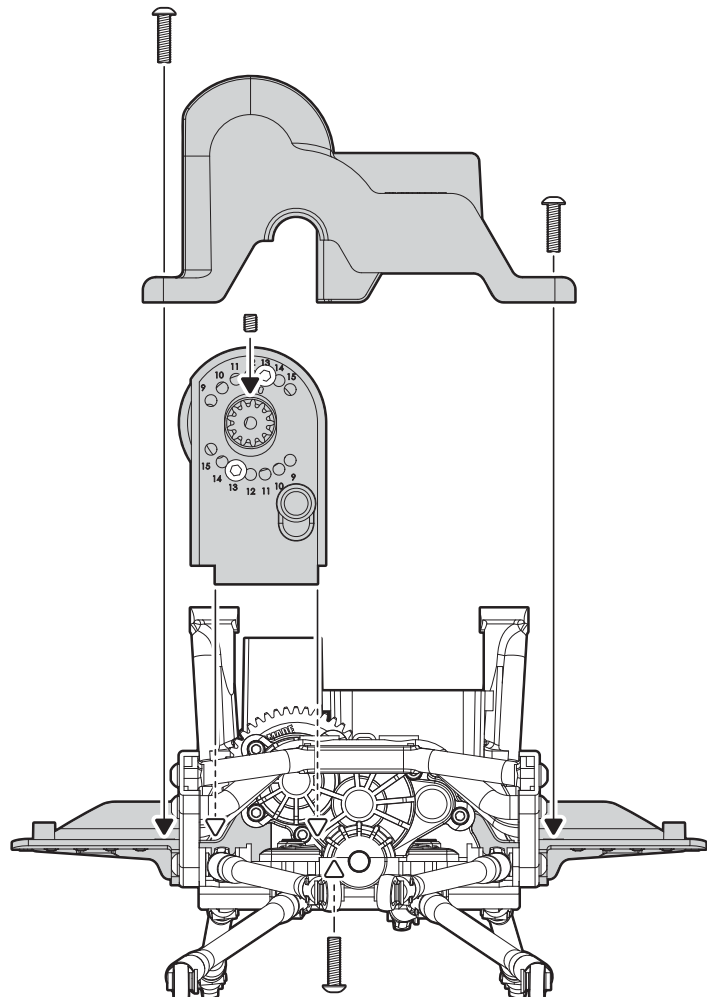
Gear ratio

	Pinion	LO	HI (Option)
	9T	52.77	25.00
	10T	47.50	22.50
	11T	43.18	20.45
	12T	39.58	18.75
Stock	13T	36.53	17.30
	14T	33.92	16.07
	15T	31.66	15.00

⚠ Motor is not included.



⚠ CHASSIS REAR VIEW

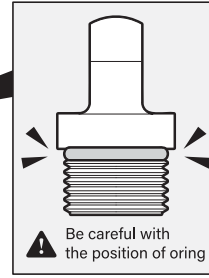
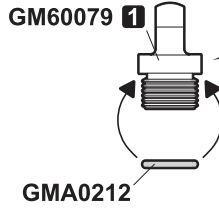


SHOCK ABSORBER



GMA0212
7x1 O-ring x4

30 ⚠ MAKE X 4



GMA0160
2mm E-ring x4

GMA0169
P3 O-ring x8

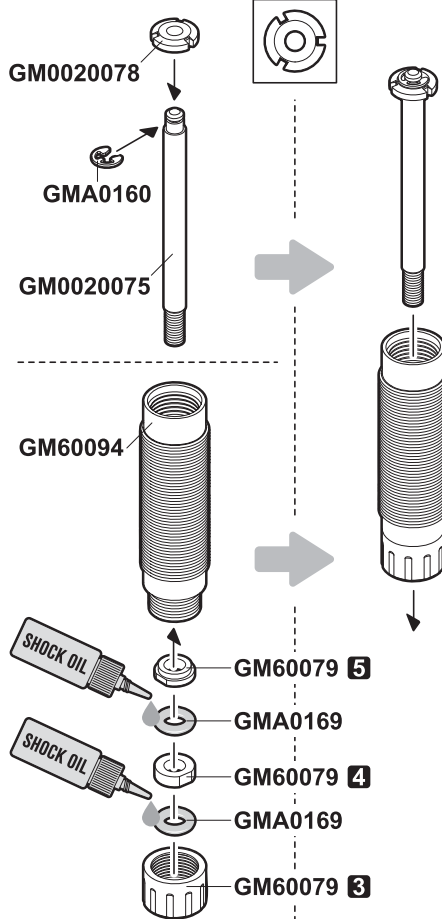
GM0020075
Shock shaft 3.5x46.4mm x2

GM60096
Shock shaft 3.5x33.9mm x2

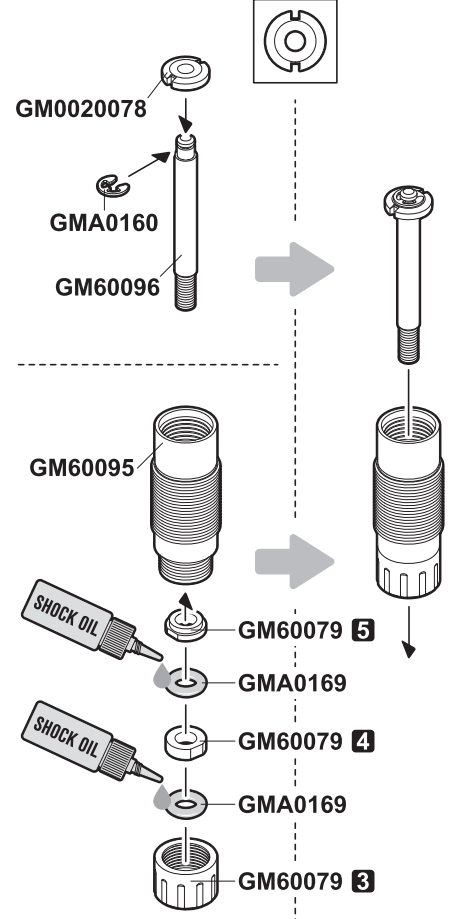
GM60094
SD 90mm shock body x2

GM60095
SD 67mm shock body x2

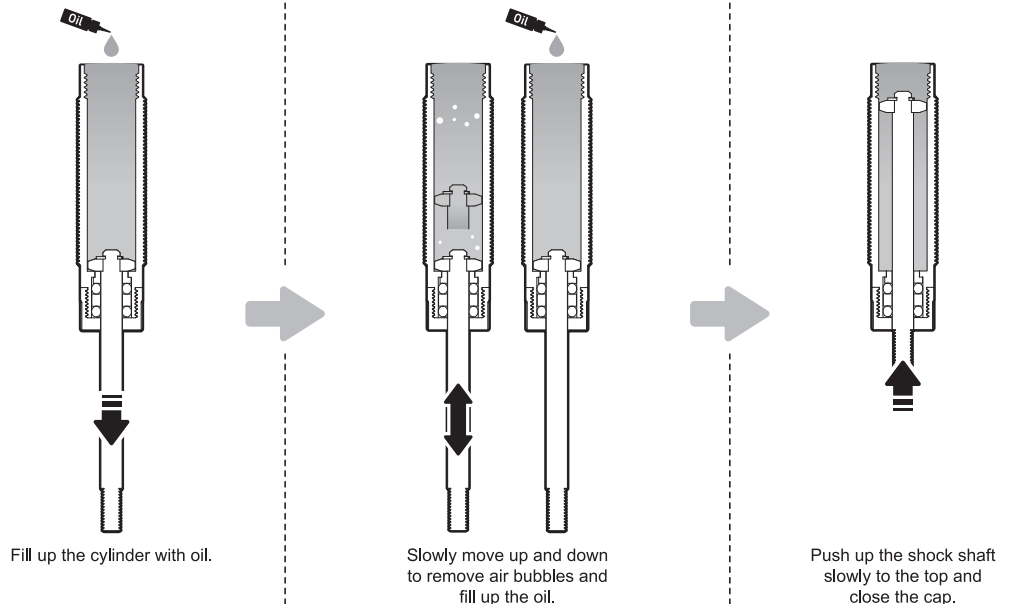
31 ⚠ MAKE X 2 : FRONT SHOCK ABSORBER



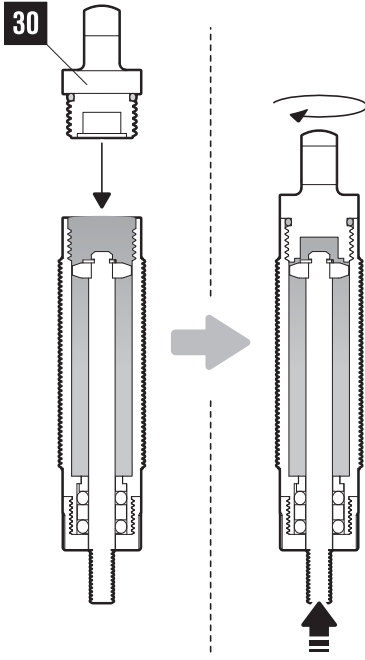
32 ⚠ MAKE X 2 : REAR SHOCK ABSORBER



33 ⚠ MAKE X 4 : FRONT & REAR

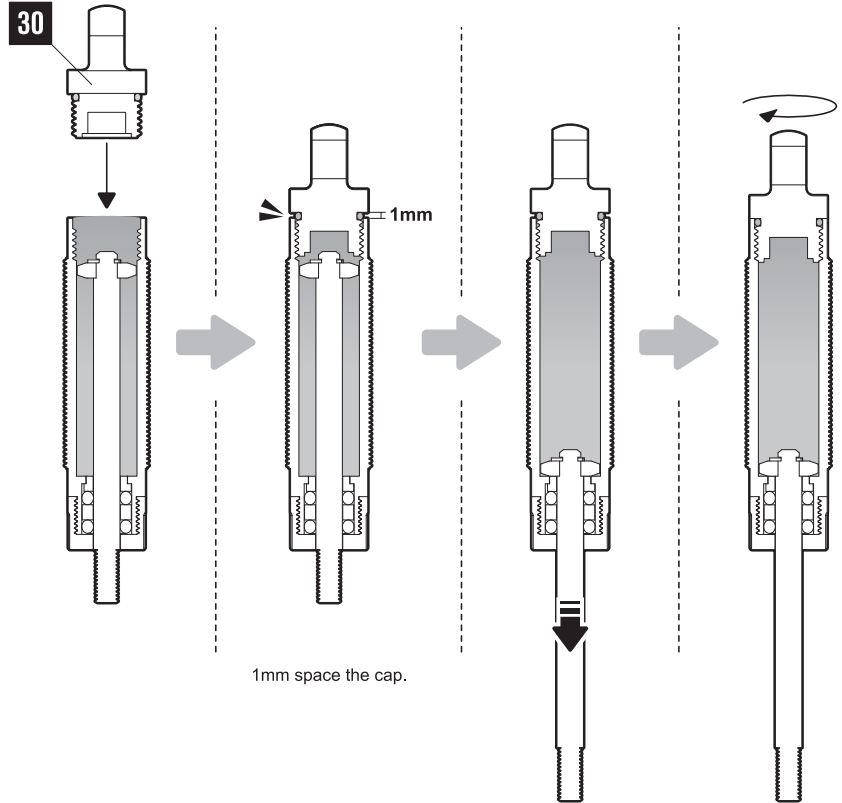


SLOWER REBOUND AND FASTER COMPRESSION



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

FASTER REBOUND AND SLOWER COMPRESSION

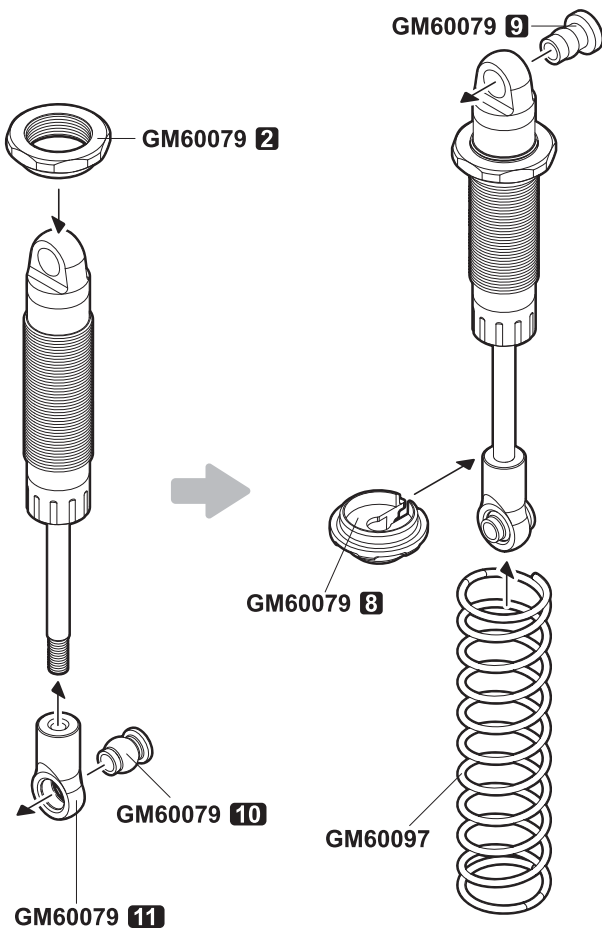


1mm space the cap.

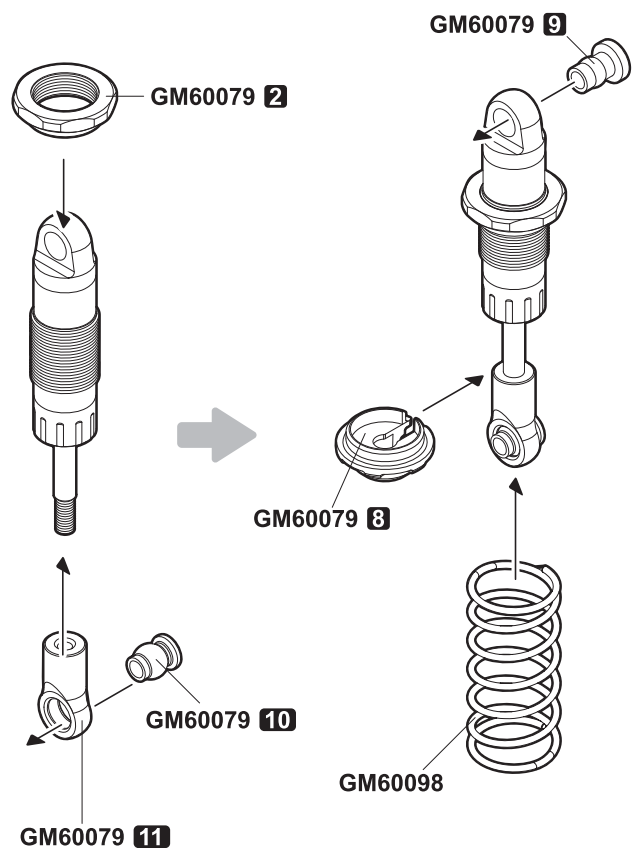
Pull down the shock shaft slowly to the bottom.

close the cap.

34 ⚠ MAKE X 2 : FRONT SHOCK ABSORBER



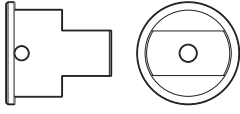




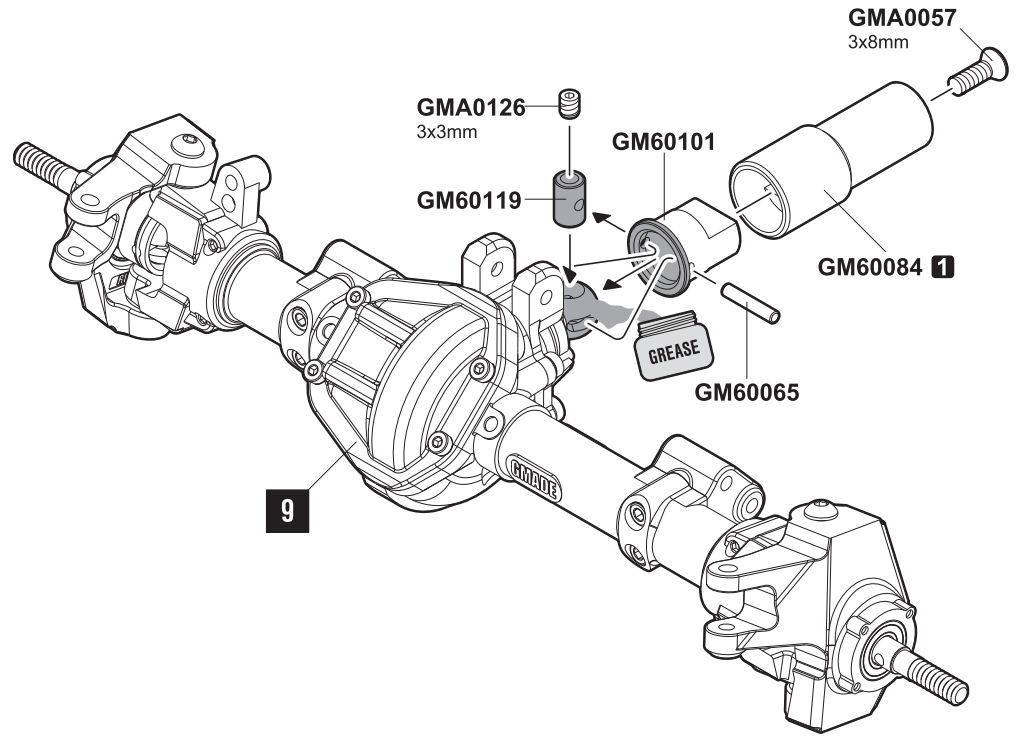
35 ⚠ MAKE X 2 : REAR SHOCK ABSORBER



FRONT UNIVERSAL SHAFT



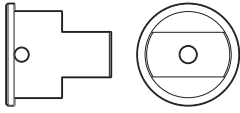


36

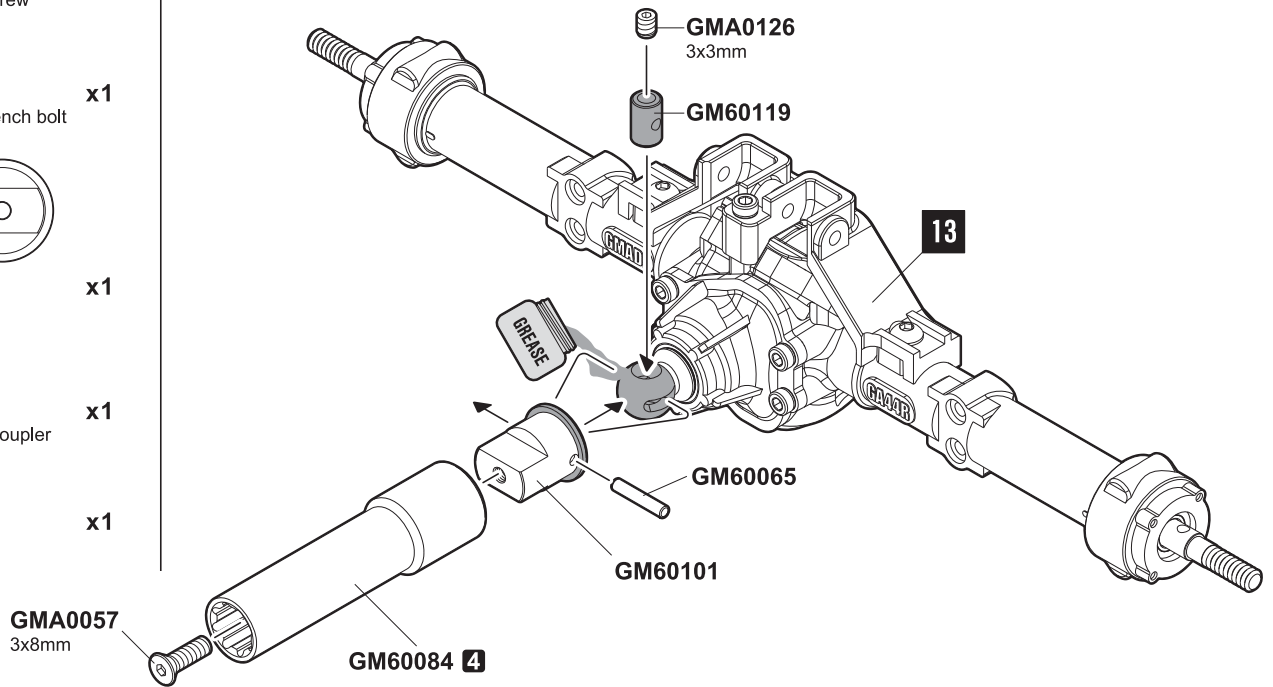
-  **GMA0126** x1
3x3mm Socket set screw
-  **GMA0057** x1
3x8mm Flat head wrench bolt
-  **GM60101** x1
Universal joint cup
-  **GM60119** x1
Universal joint drive coupler
-  **GM60065** x1
Pin 2x11.4mm



REAR UNIVERSAL SHAFT



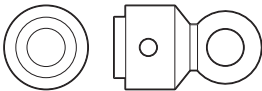
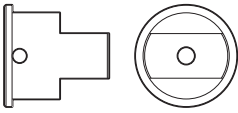



37

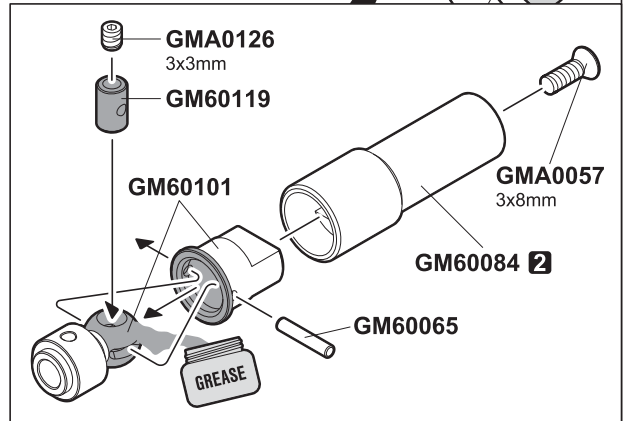
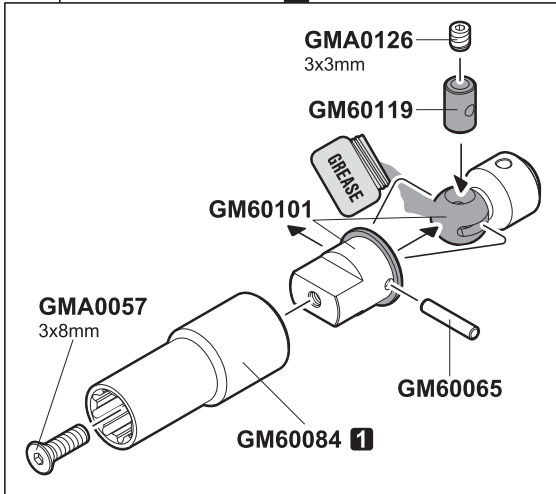
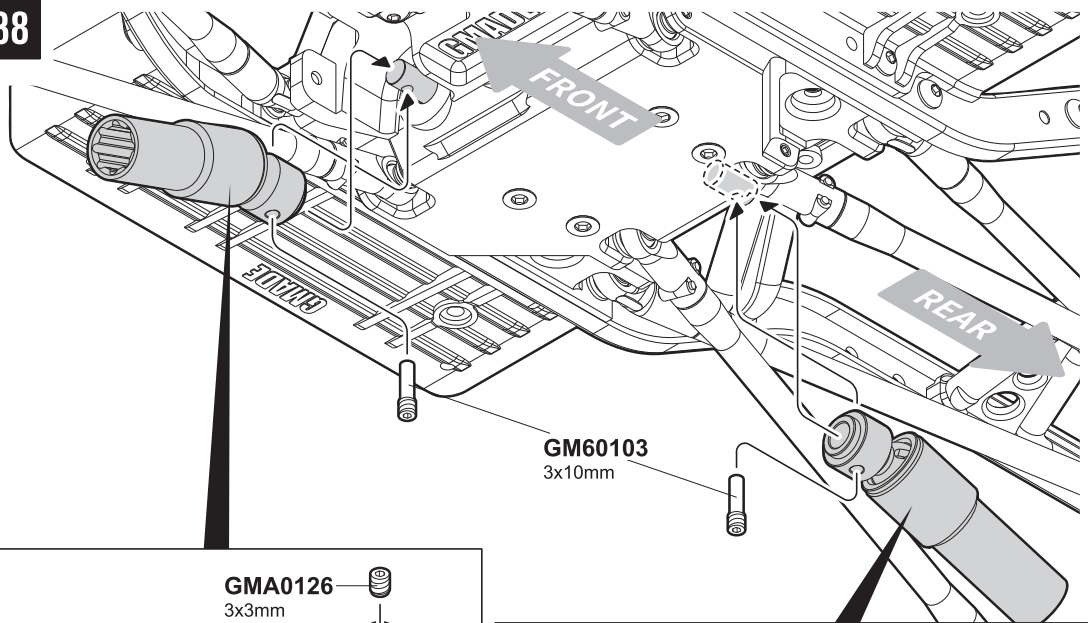
-  **GMA0126** x1
3x3mm Socket set screw
-  **GMA0057** x1
3x8mm Flat head wrench bolt
-  **GM60101** x1
Universal joint cup
-  **GM60119** x1
Universal joint drive coupler
-  **GM60065** x1
Pin 2x11.4mm



UNIVERSAL SHAFT




38

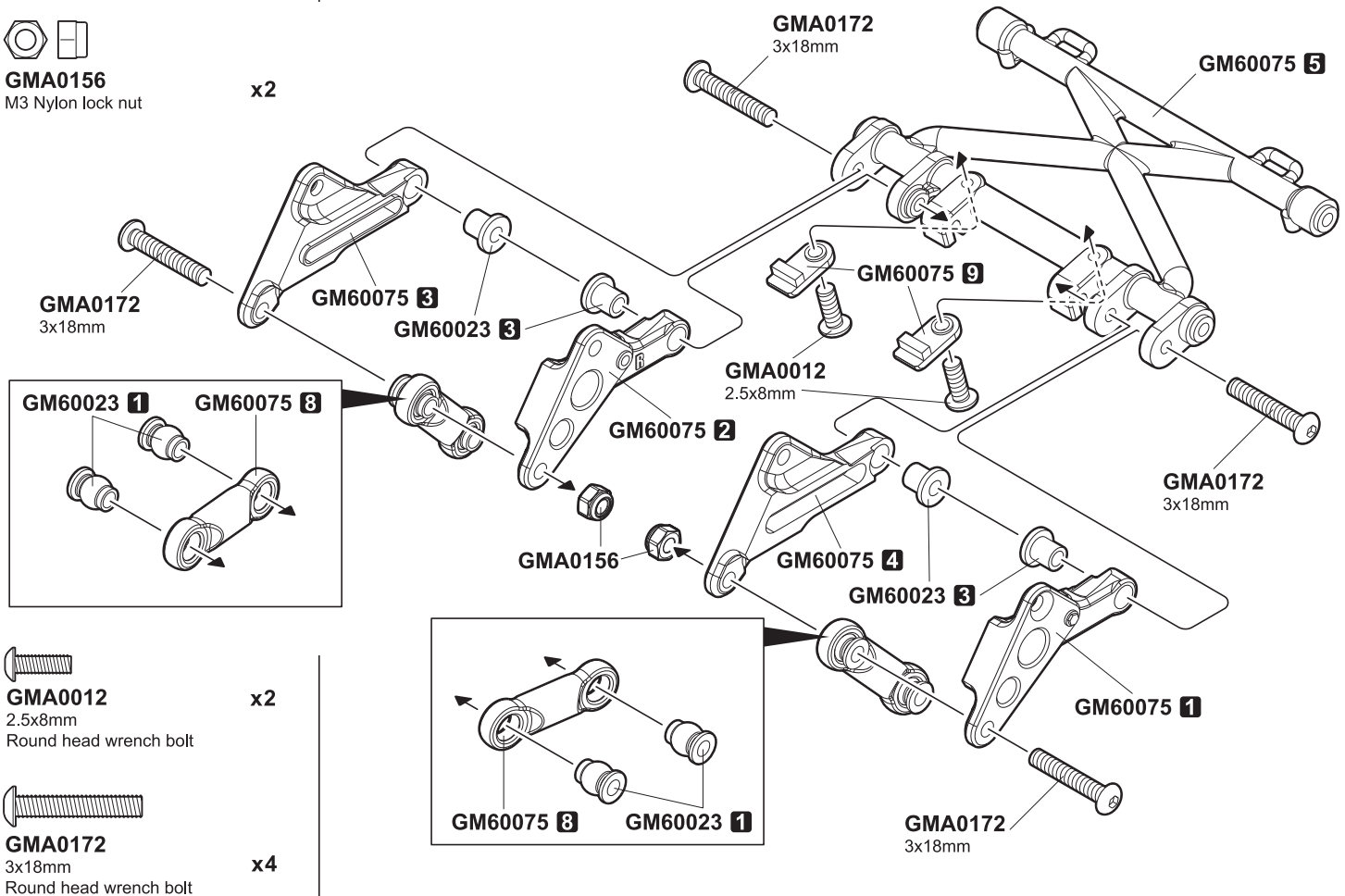
-  **GMA0126** x2
3x3mm Socket set screw
-  **GMA0057** x2
3x8mm Flat head wrench bolt
-  **GM60101** x2
Universal joint
-  **GM60101** x2
Universal joint cup
-  **GM60119** x2
Universal joint drive coupler
-  **GM60065** x2
Pin 2x11.4mm
-  **GM60103** x2
3x10mm Screw pin



CANTILEVER

39

-  **GMA0156** x2
M3 Nylon lock nut
-  **GMA0012** x2
2.5x8mm Round head wrench bolt
-  **GMA0172** x4
3x18mm Round head wrench bolt



CANTILEVER

40



GMA0017
3x6mm
Round head wrench bolt

x2



GMA0019
3x10mm
Round head wrench bolt

x4



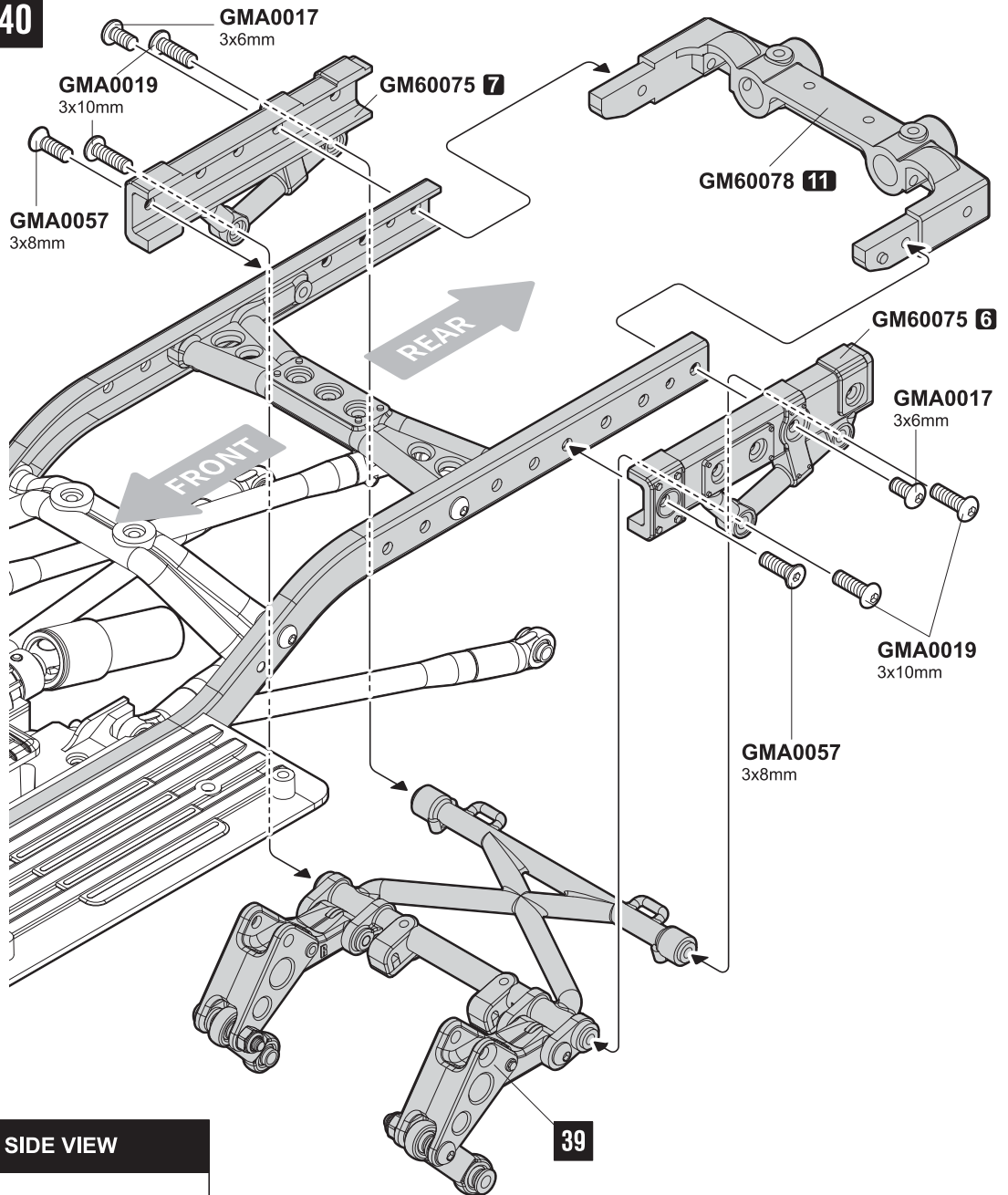
GMA0021
3x15mm
Round head wrench bolt

x4

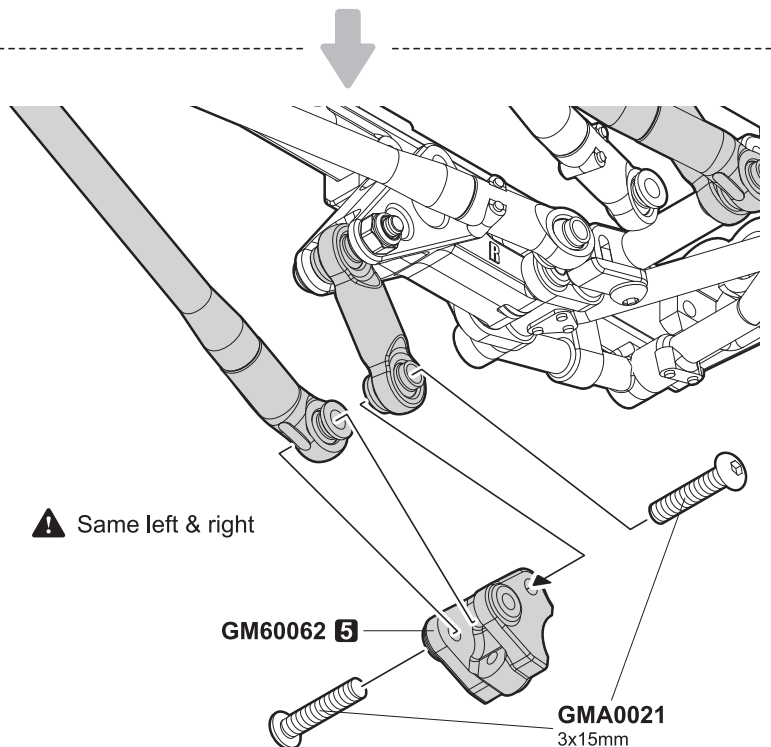
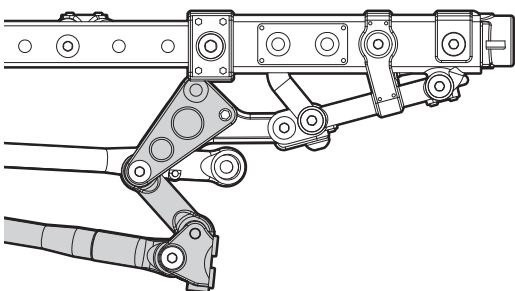
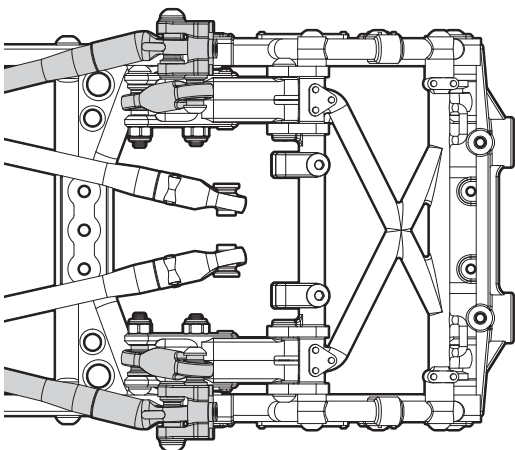


GMA0057
3x8mm Flat head wrench bolt

x2



⚠ CANTILEVER BOTTOM & SIDE VIEW



REAR SHOCK ABSORBER

41



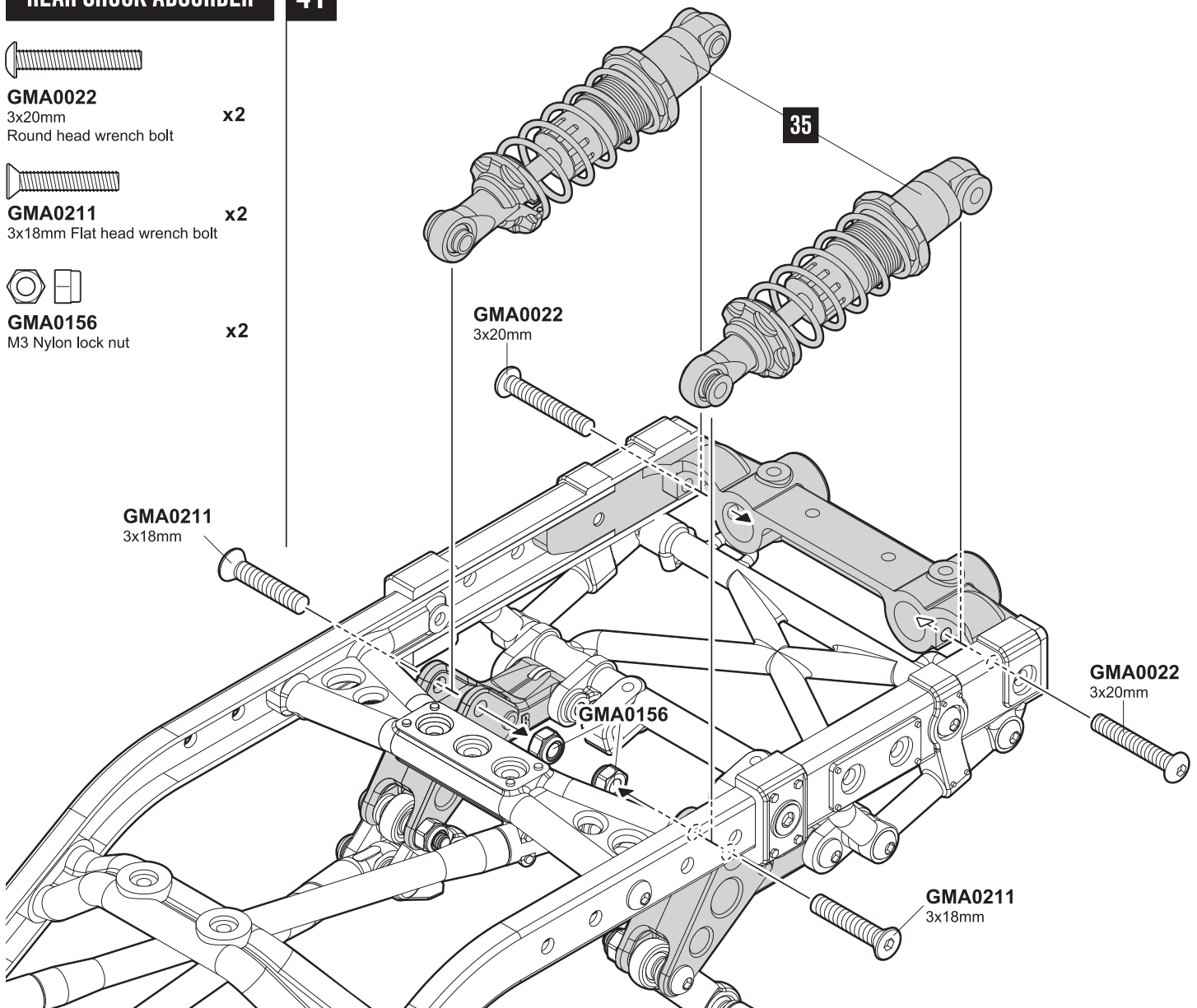
GMA0022
3x20mm
Round head wrench bolt x2



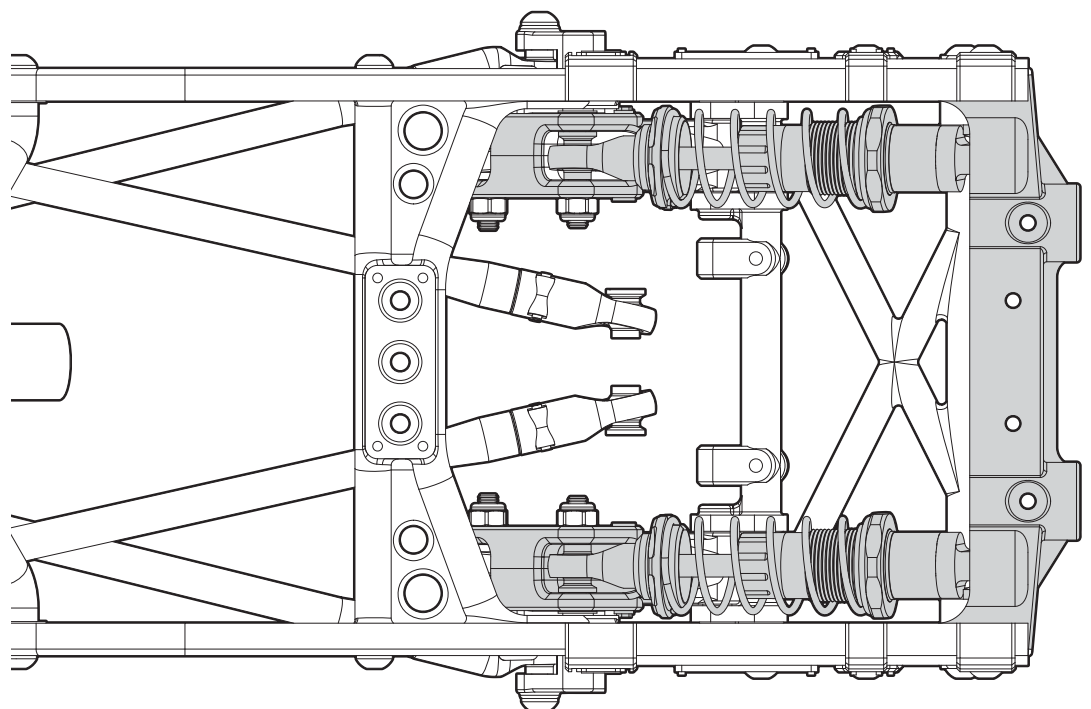
GMA0211
3x18mm Flat head wrench bolt x2



GMA0156
M3 Nylon lock nut x2

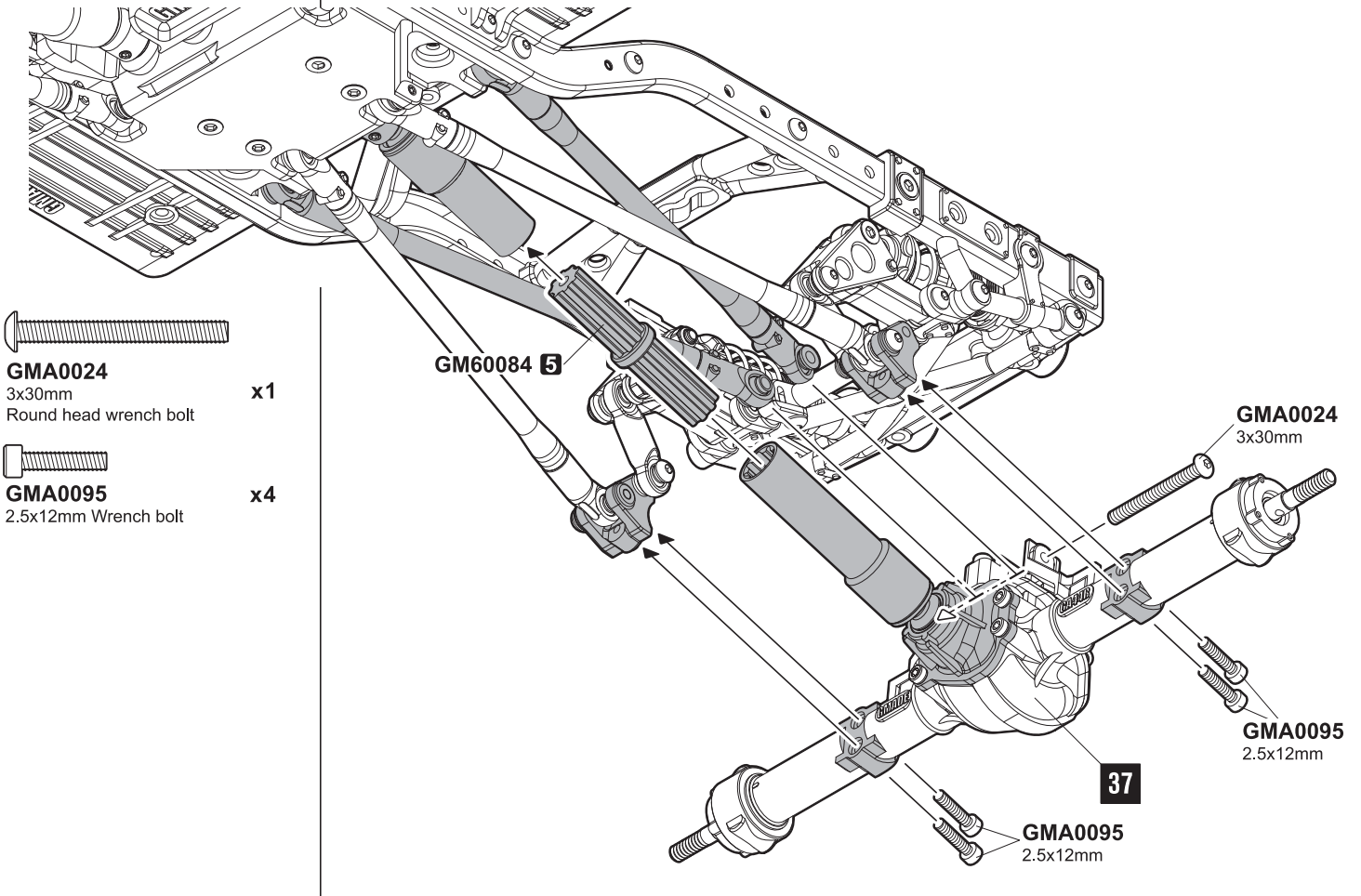


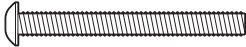

⚠ CANTILEVER TOP VIEW



REAR AXLE

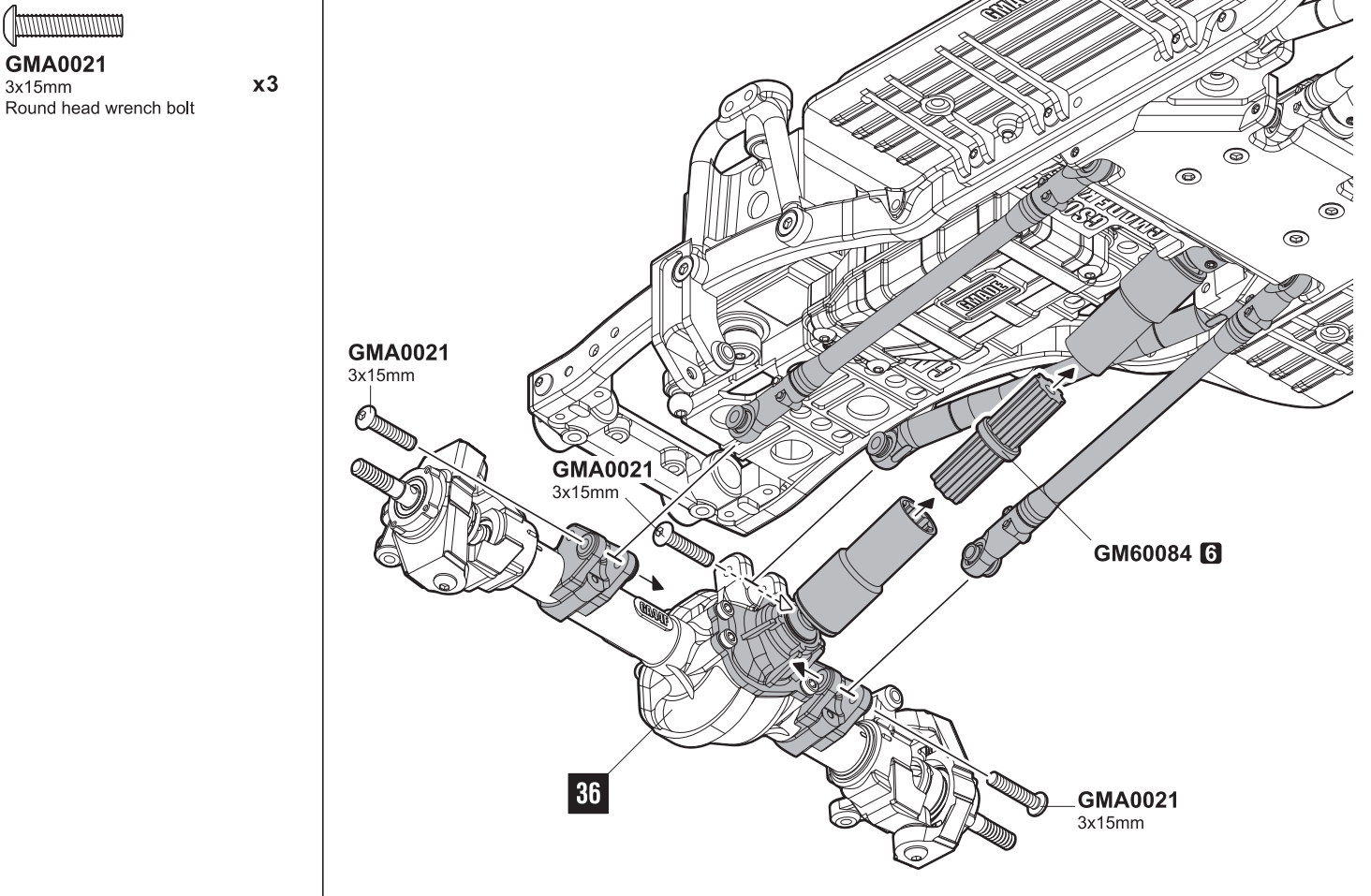
42

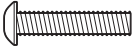


-  **GMA0024**
3x30mm
Round head wrench bolt **x1**
-  **GMA0095**
2.5x12mm Wrench bolt **x4**

FRONT AXLE

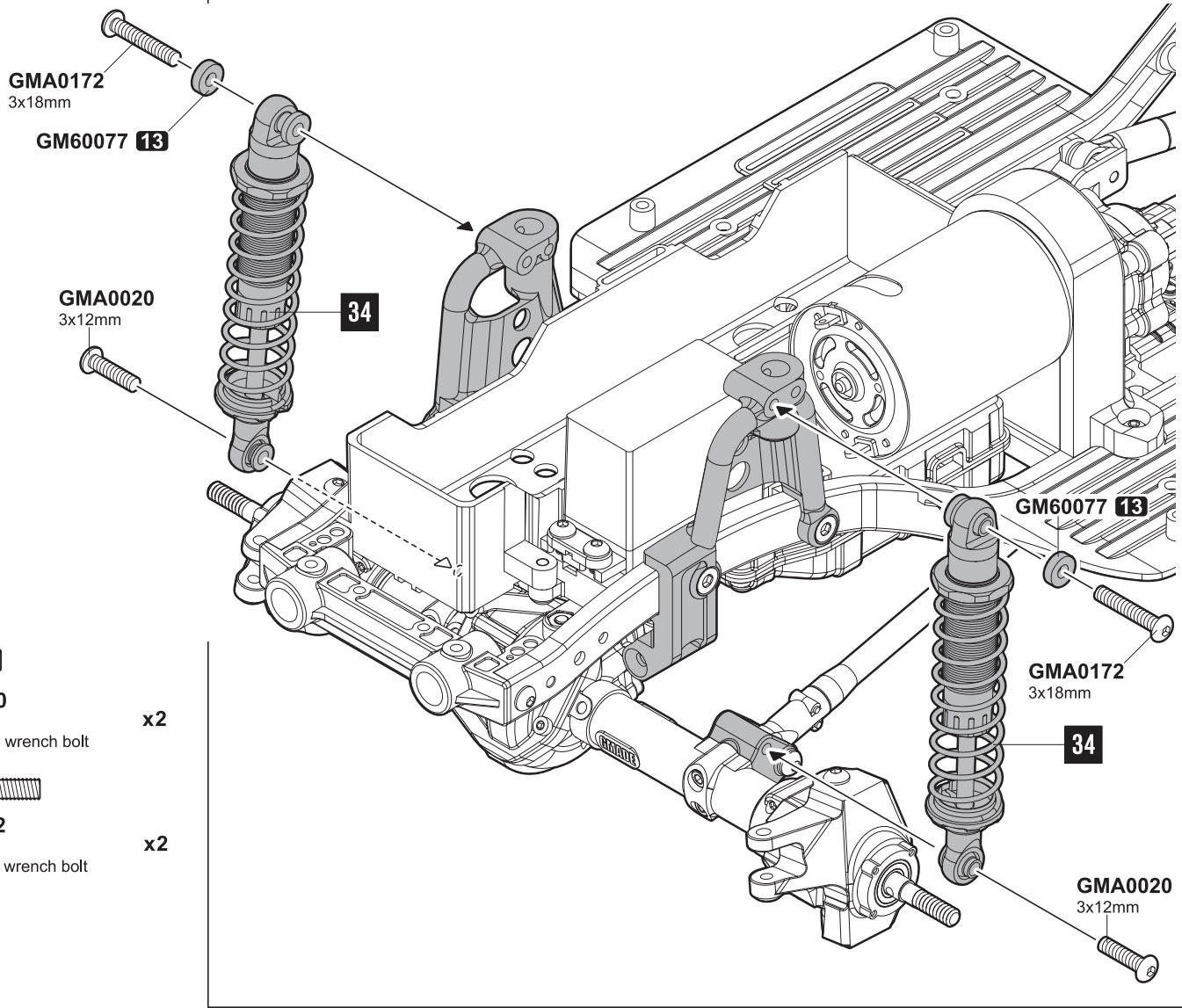
43



-  **GMA0021**
3x15mm
Round head wrench bolt **x3**

FRONT SHOCK ABSORBER

44



GMA0020
3x12mm
Round head wrench bolt

x2

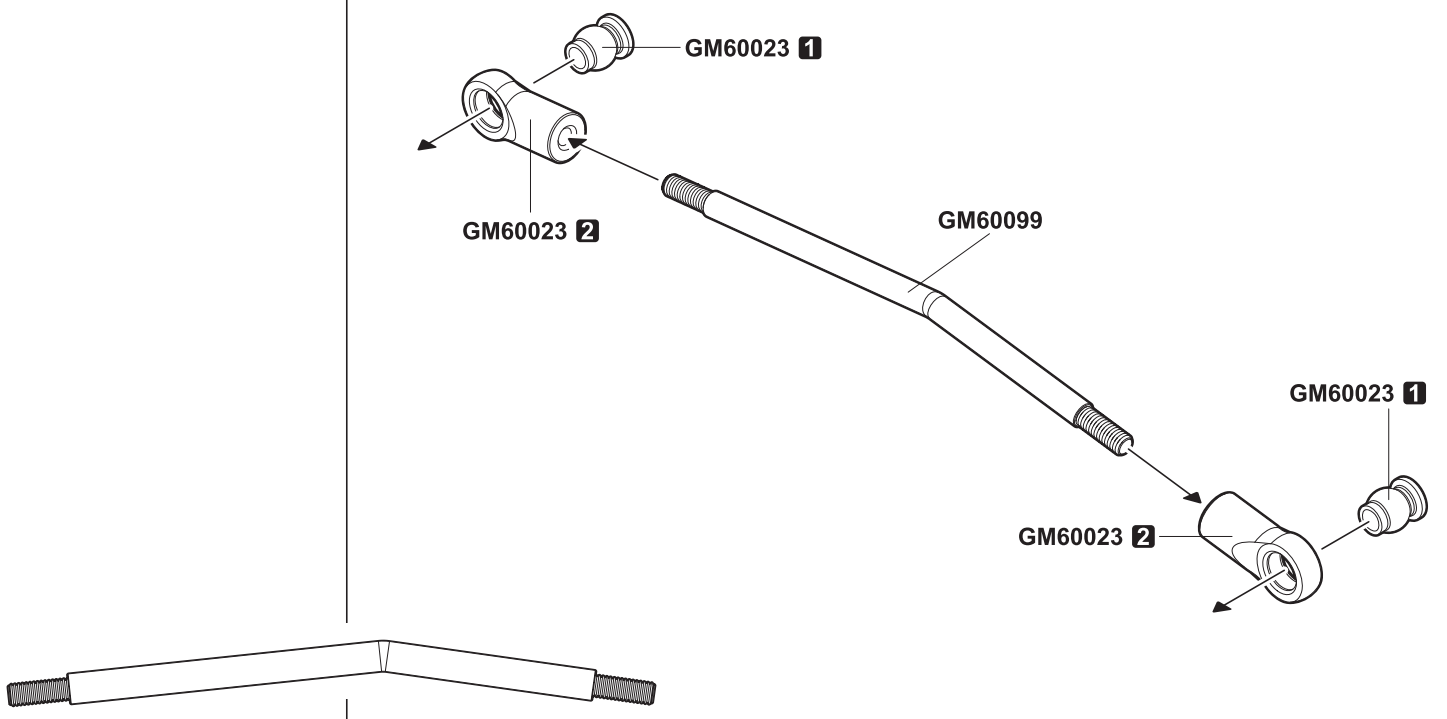


GMA0172
3x18mm
Round head wrench bolt

x2

PANHARD ROD

45



GM60099
Panhard rod 86mm

x1

PANHARD ROD

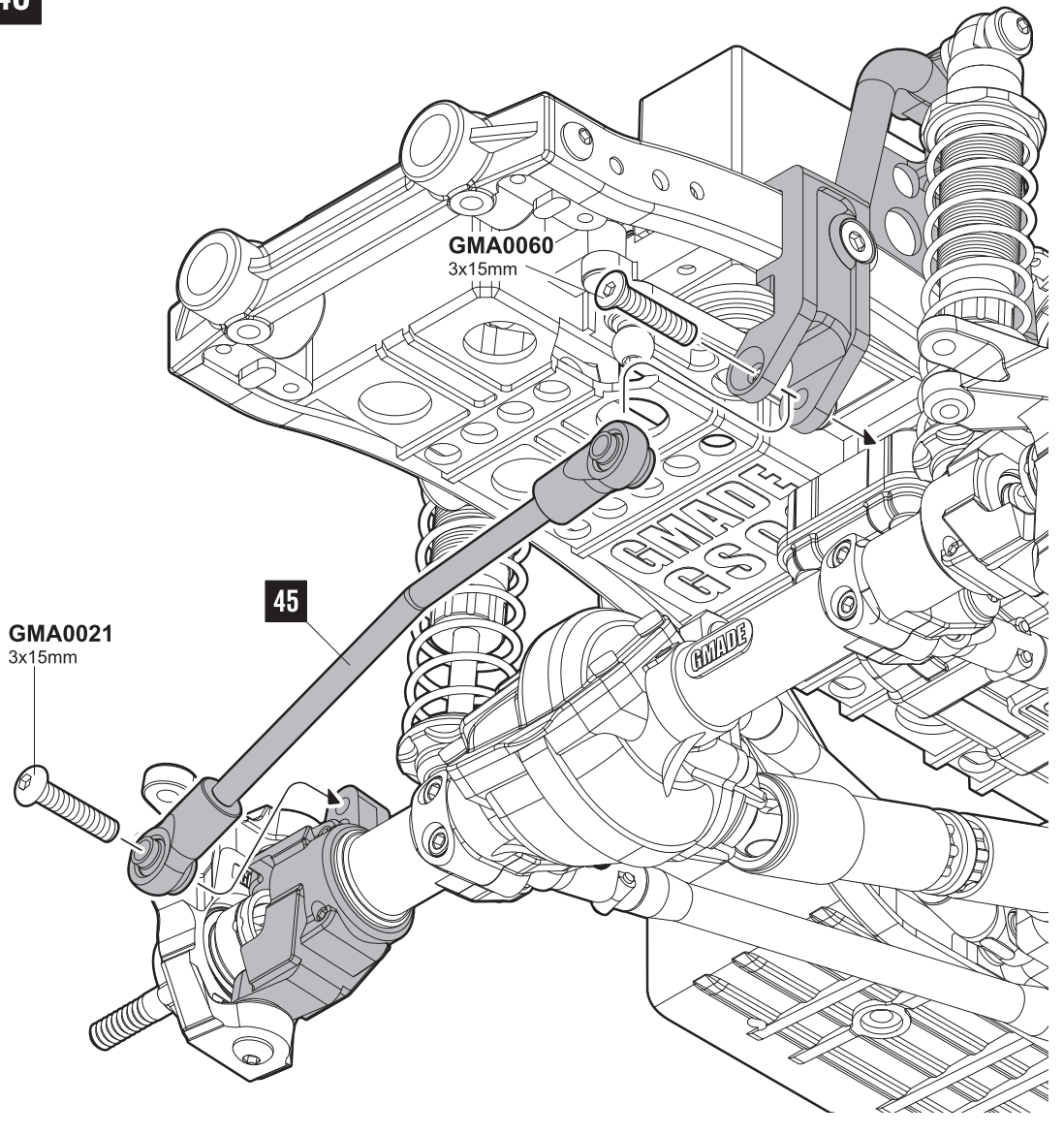
46



GMA0021
3x15mm
Round head wrench bolt x1

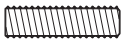


GMA0060
3x15mm Flat head wrench bolt x1



STEERING ROD

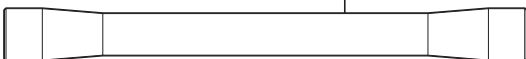
47



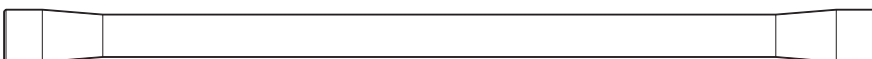
GMA0144
4x15mm Socket set screw x2



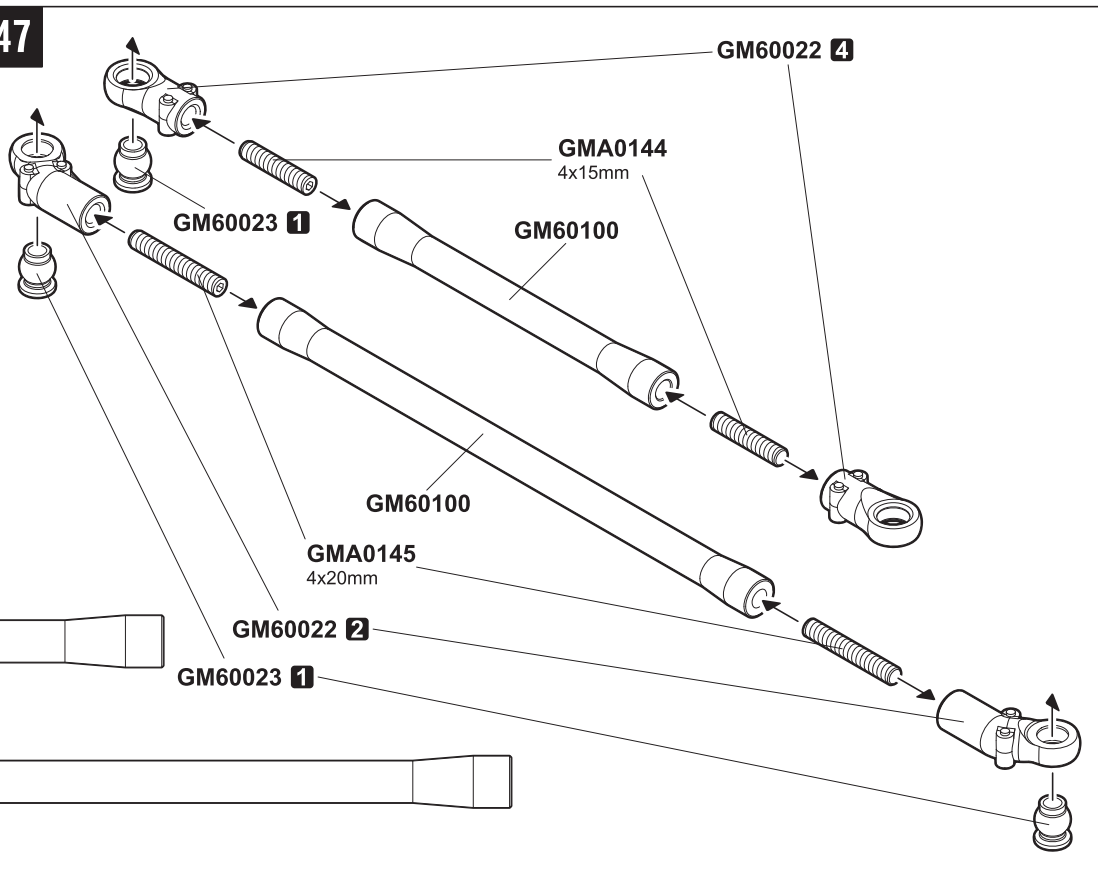
GMA0145
4x20mm Socket set screw x2



GM60100
Steering rod M4x6.8x69m x1



GM60100
Steering rod M4x6.8x115mm x1



STEERING ROD

48



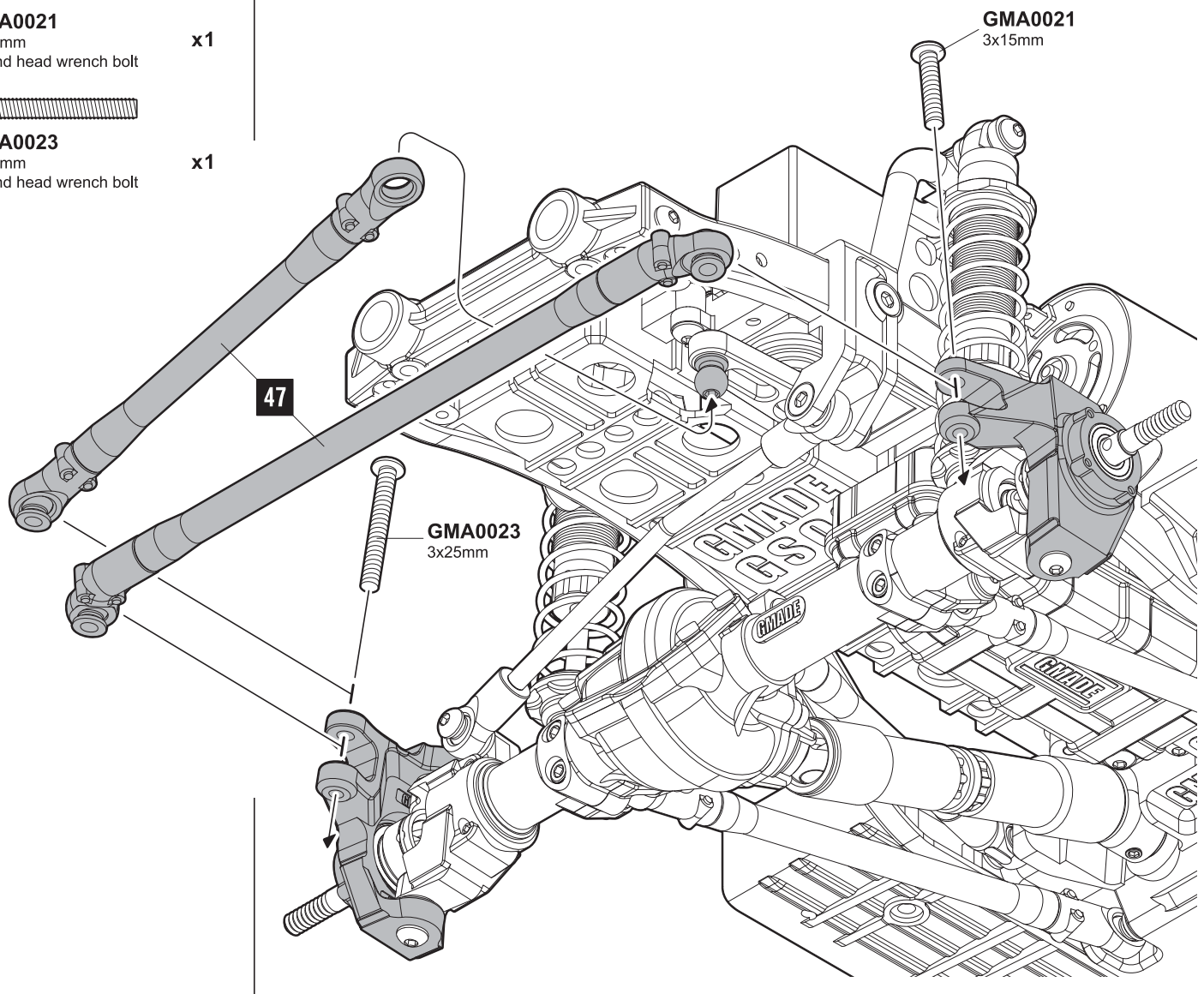
GMA0021
3x15mm
Round head wrench bolt

x1



GMA0023
3x25mm
Round head wrench bolt

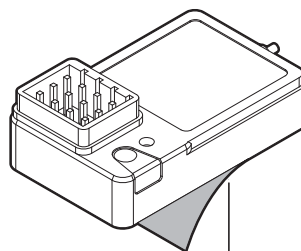
x1



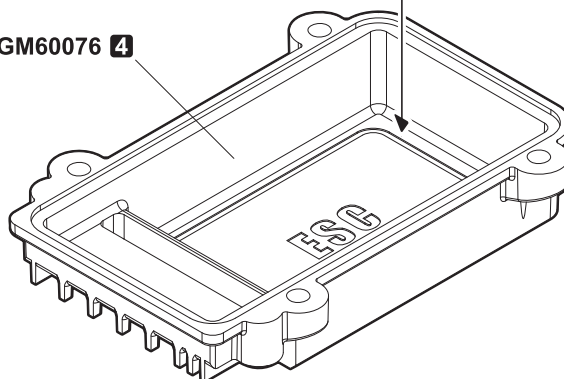
RECEIVER BOX

49

⚠ Receiver is not included.

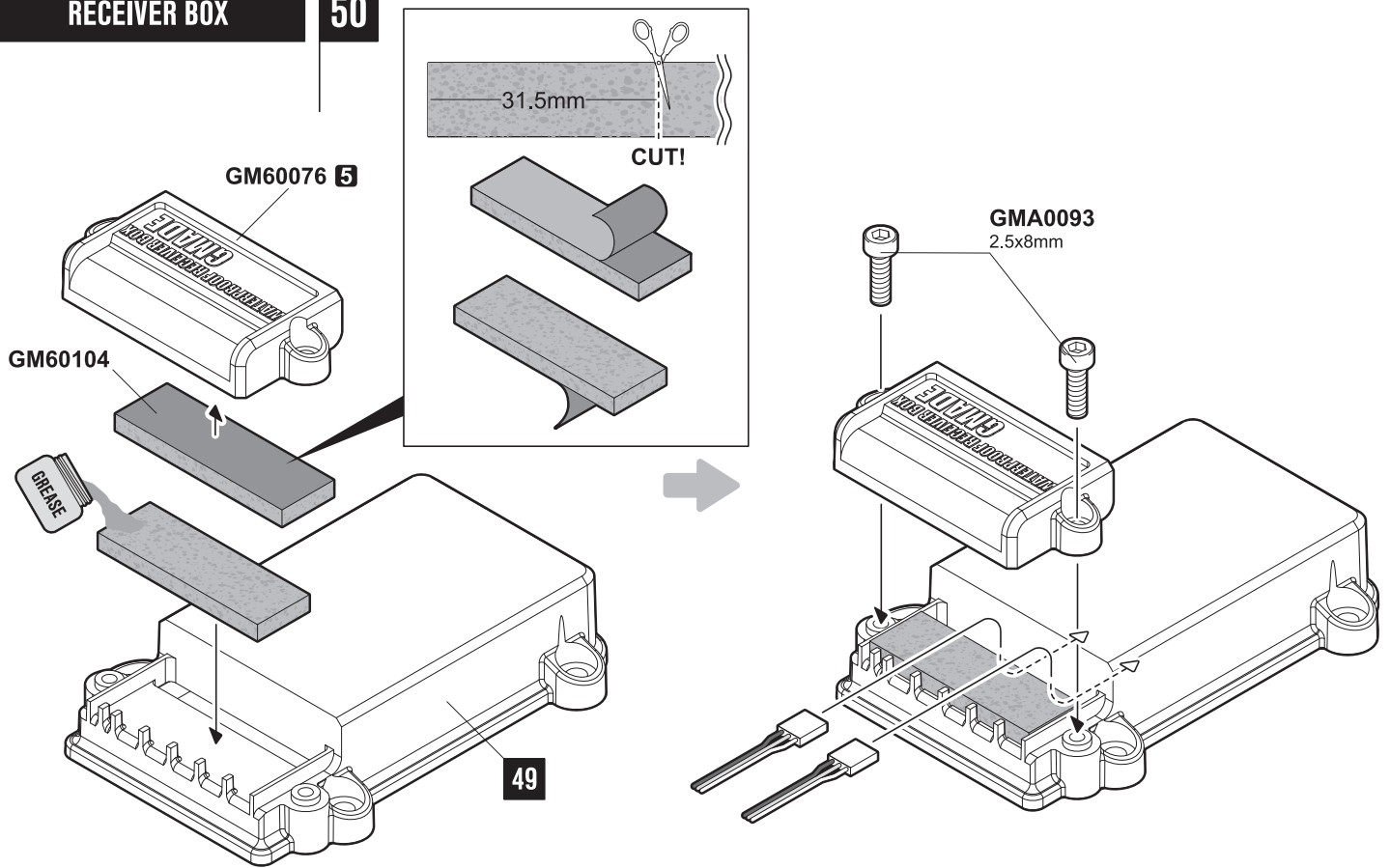


GM60076 4



RECEIVER BOX

50

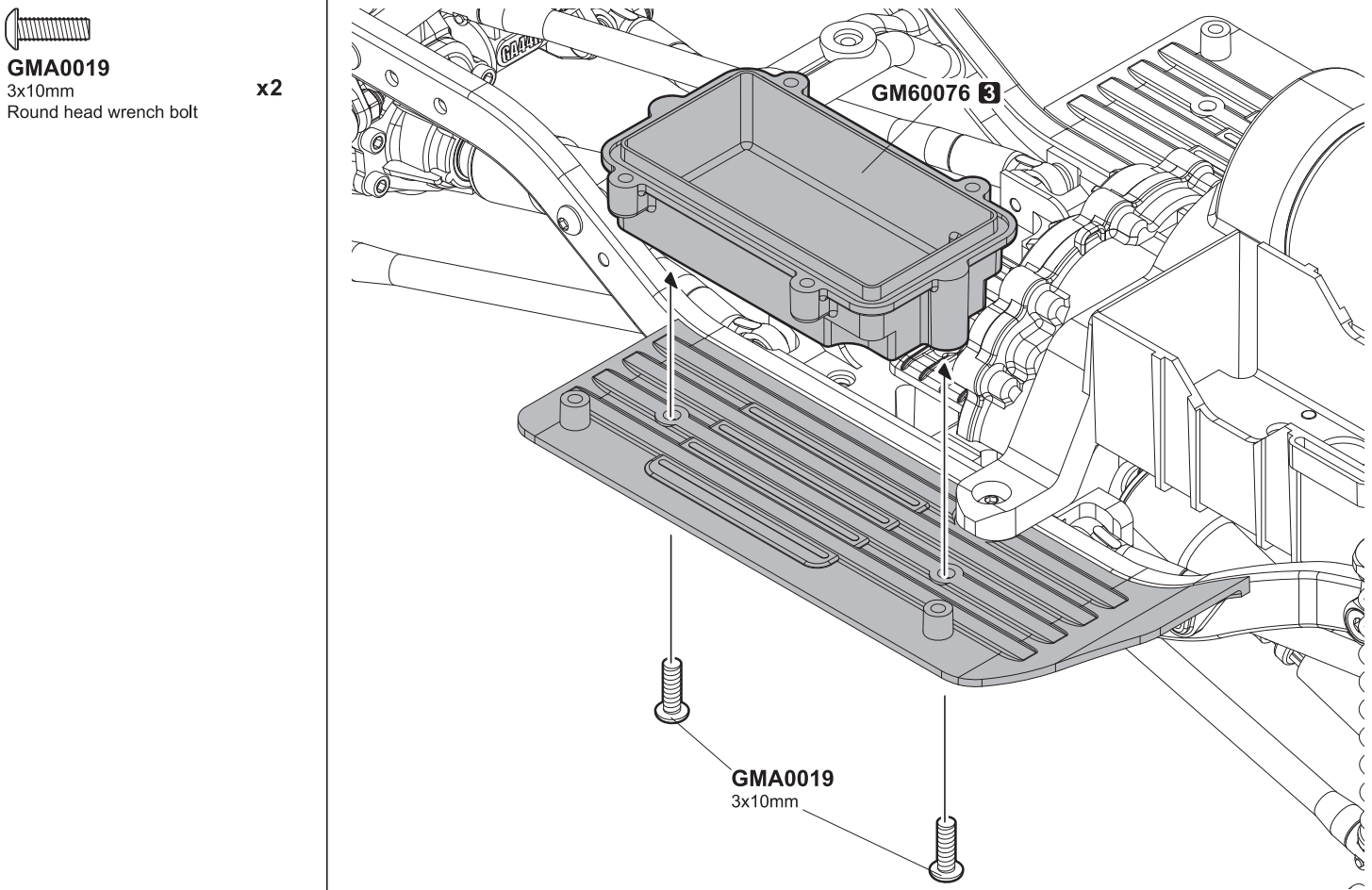


GMA0093
2.5x8mm Wrench bolt

x2

RECEIVER BOX

51

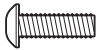


GMA0019
3x10mm
Round head wrench bolt

x2

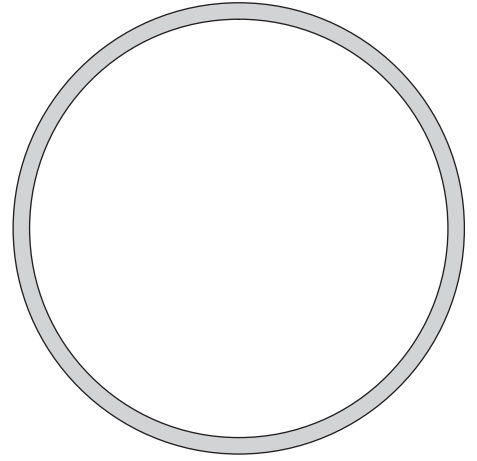
RECEIVER BOX

52



GMA0019
3x10mm
Round head wrench bolt

x4



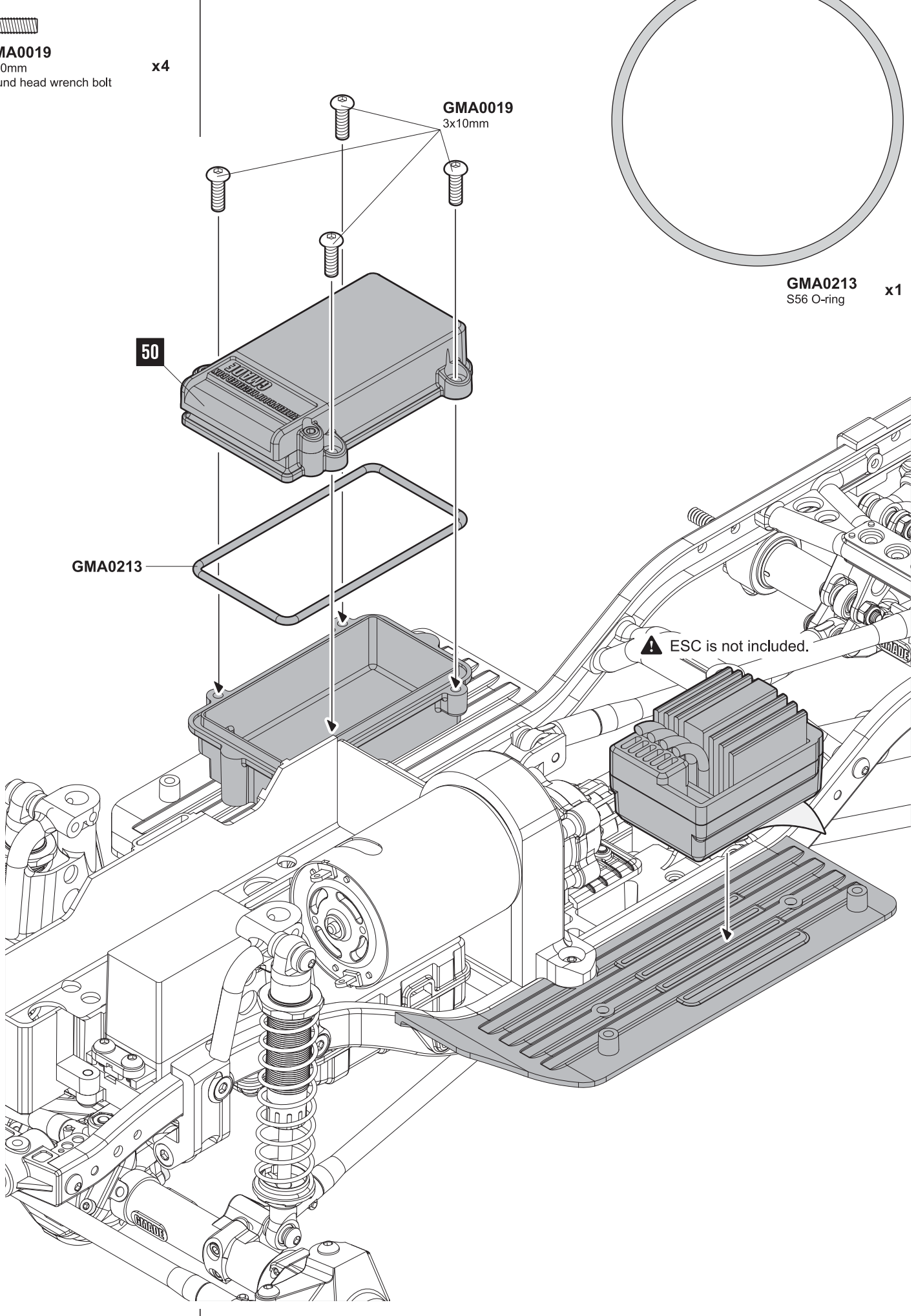
GMA0213
S56 O-ring x1

50

GMA0019
3x10mm

GMA0213

⚠ ESC is not included.



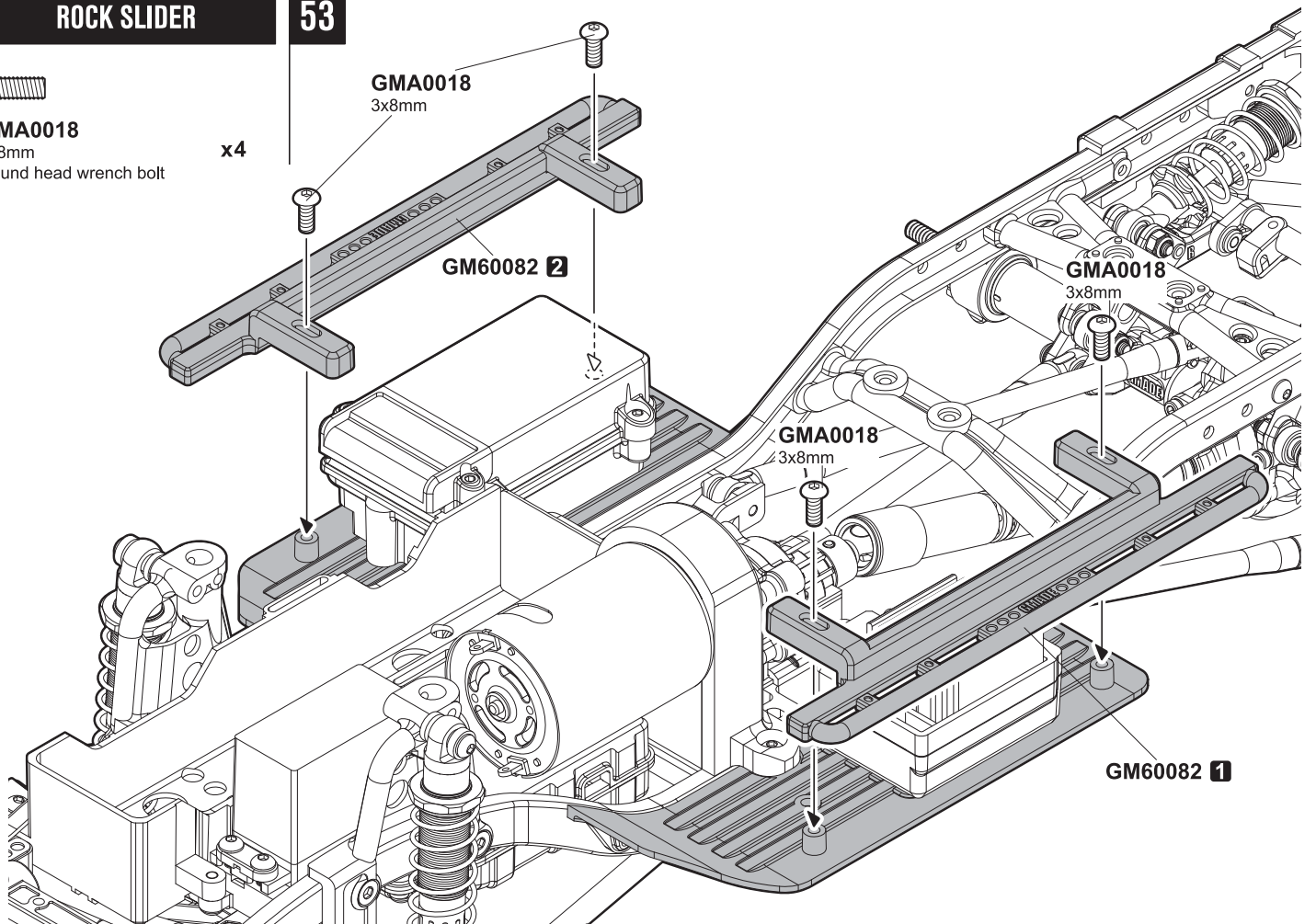
ROCK SLIDER

53



GMA0018
3x8mm
Round head wrench bolt

x4



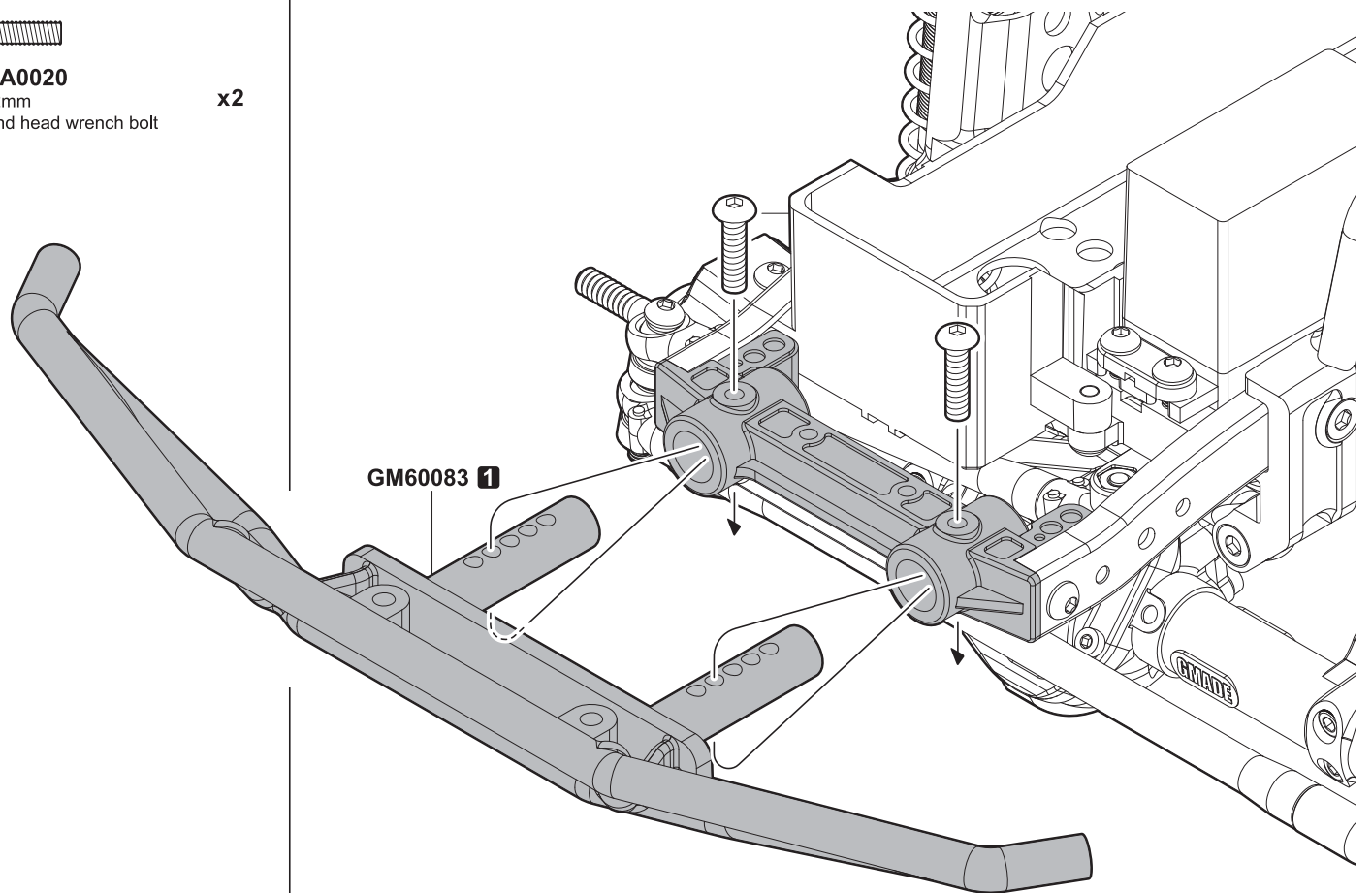
FRONT BUMPER

54



GMA0020
3x12mm
Round head wrench bolt

x2



FRONT BODY POST

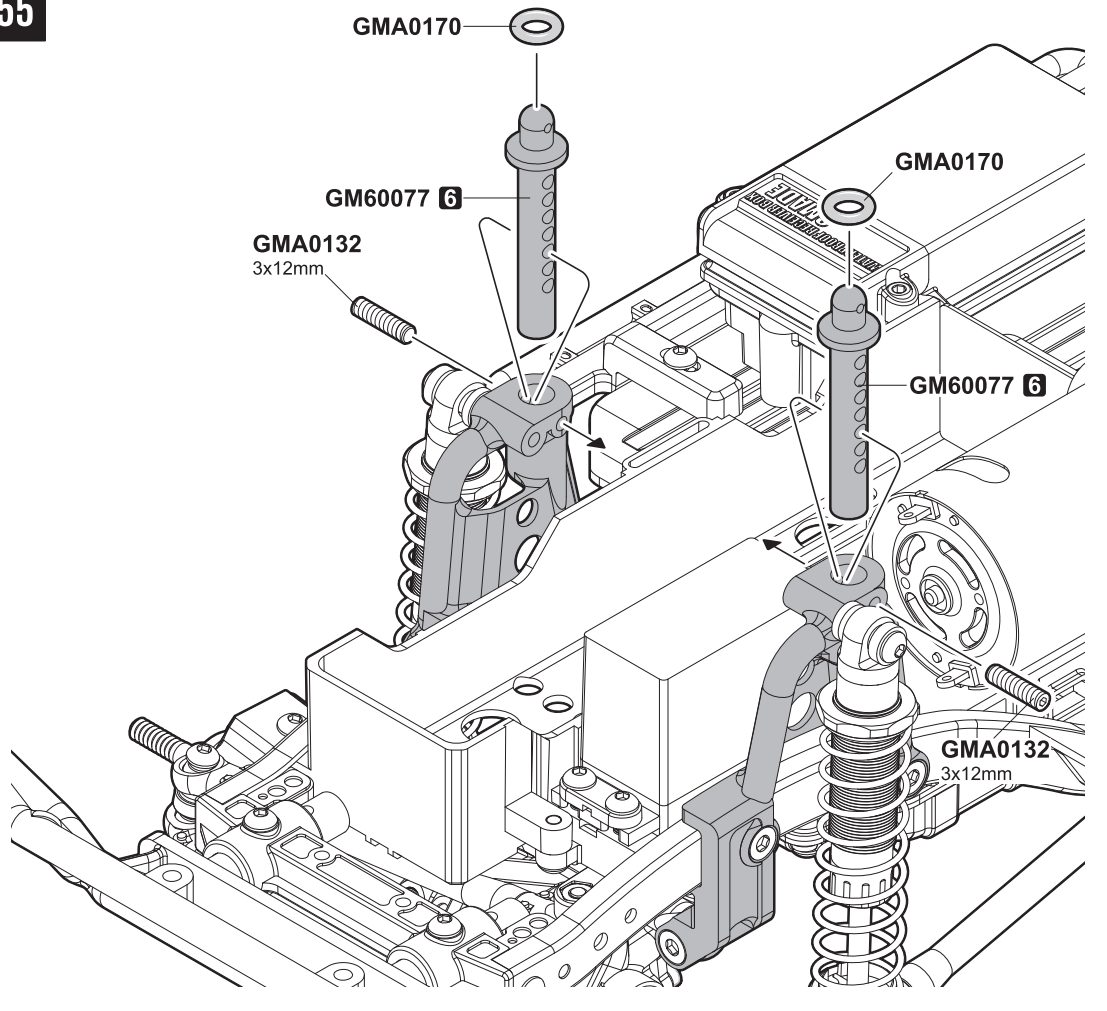
55



GMA0132
3x12mm Socket set screw x2



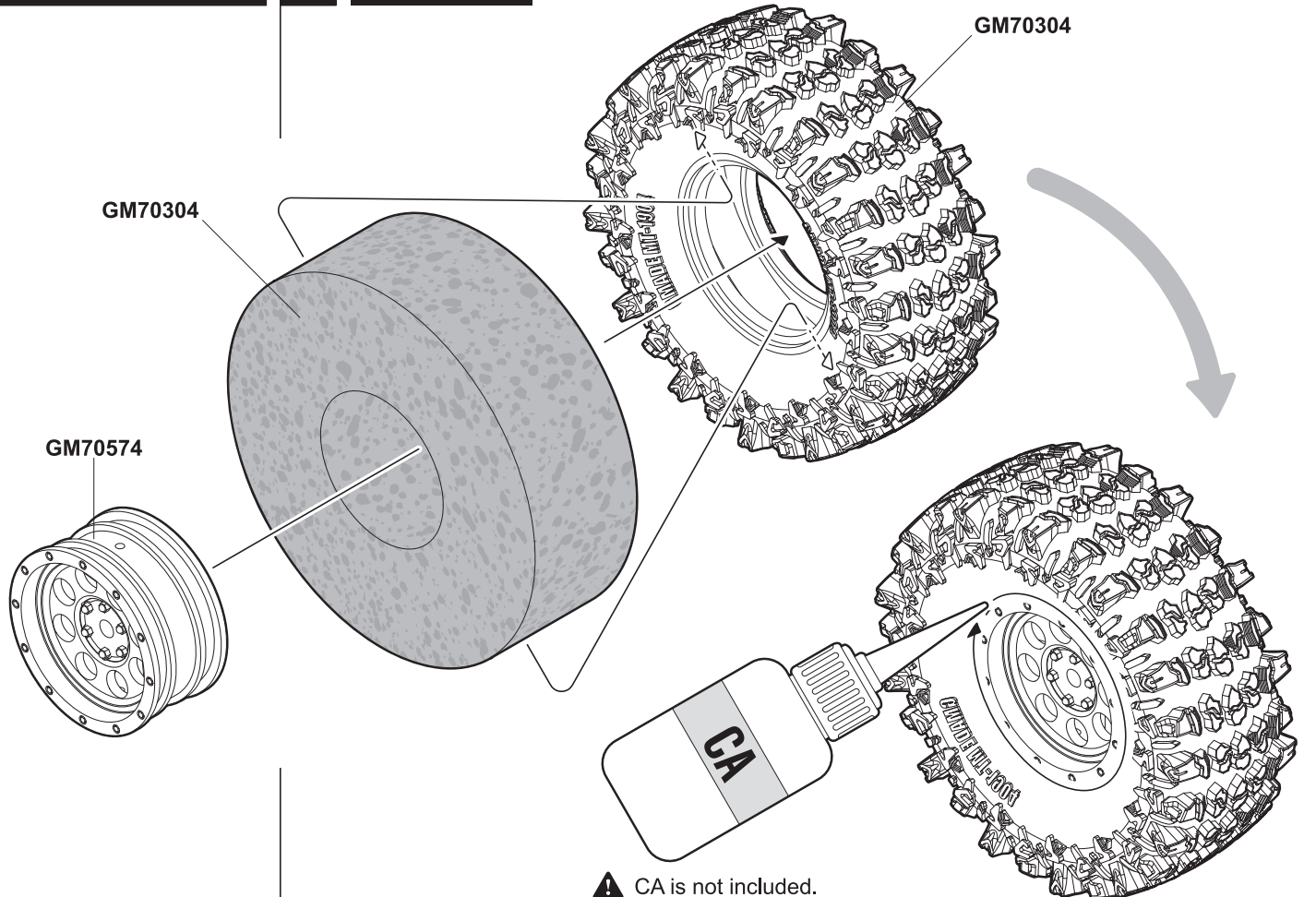
GMA0170
P5 O-ring x2



WHEEL & TIRE

56

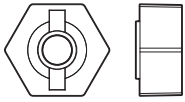
⚠ MAKE X 4



⚠ CA is not included.

WHEEL & TIRE

57



GM60064
12mm Wheel hub

x2



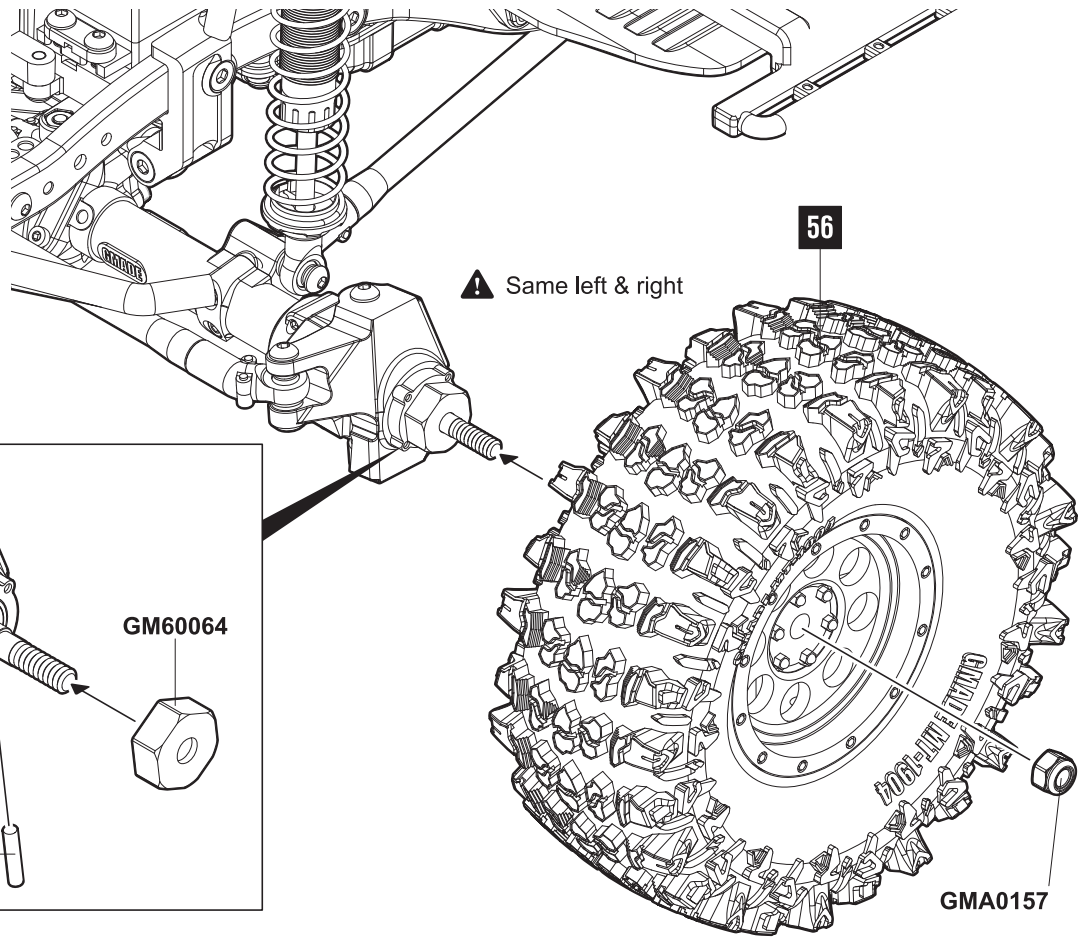
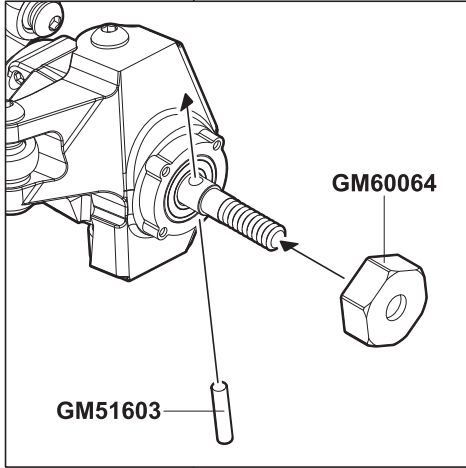
GM51603
Pin 2x10.3mm

x2

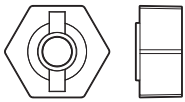


GMA0157
M4 nylon lock nut

x2



58



GM60064
12mm Wheel hub

x2



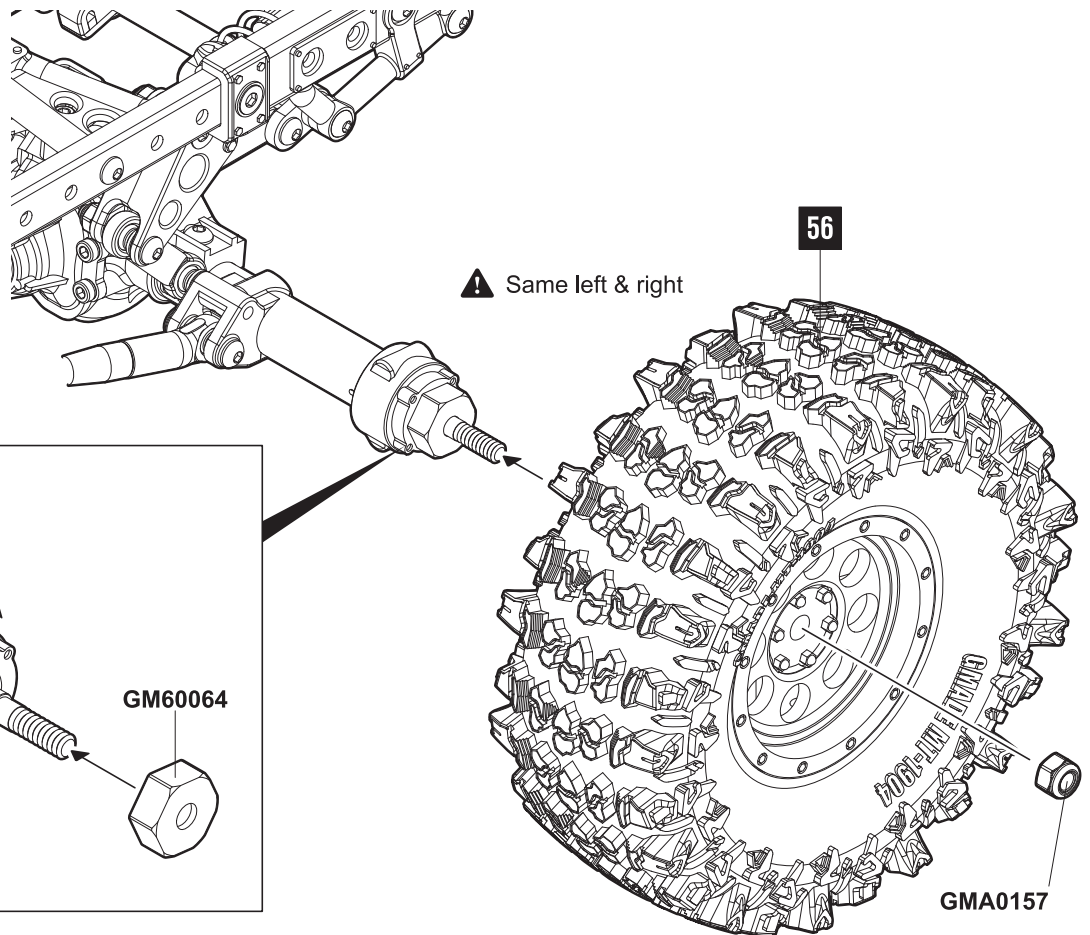
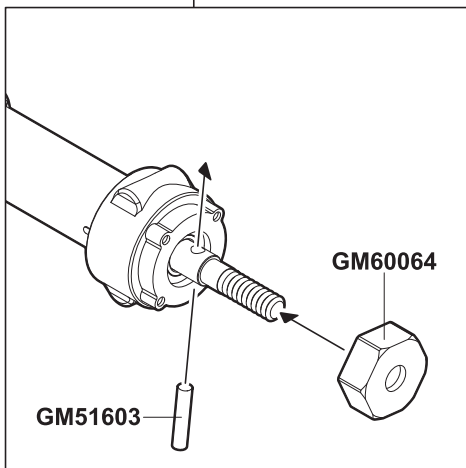
GM51603
Pin 2x10.3mm

x2







GMA0157
M4 nylon lock nut

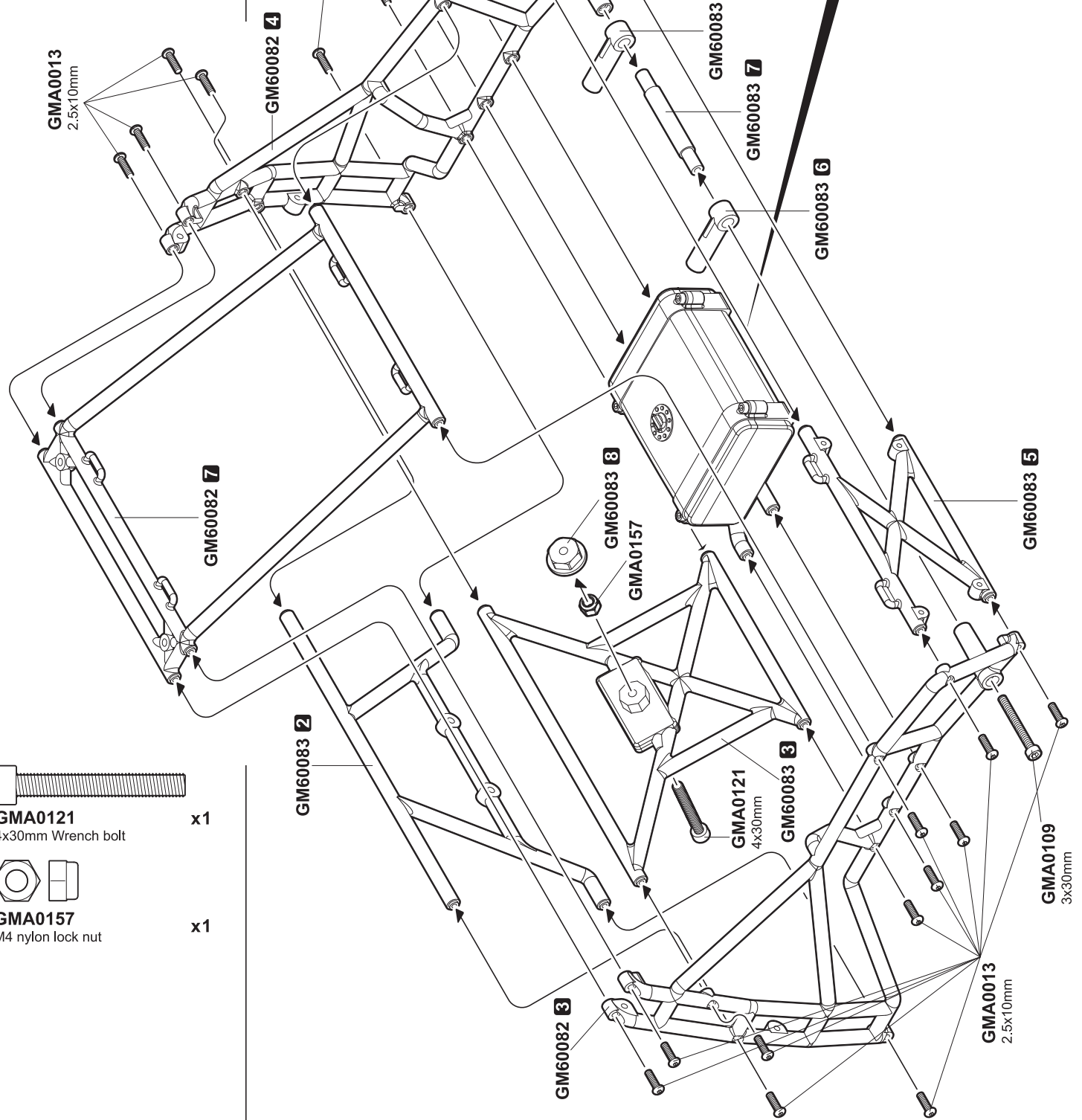
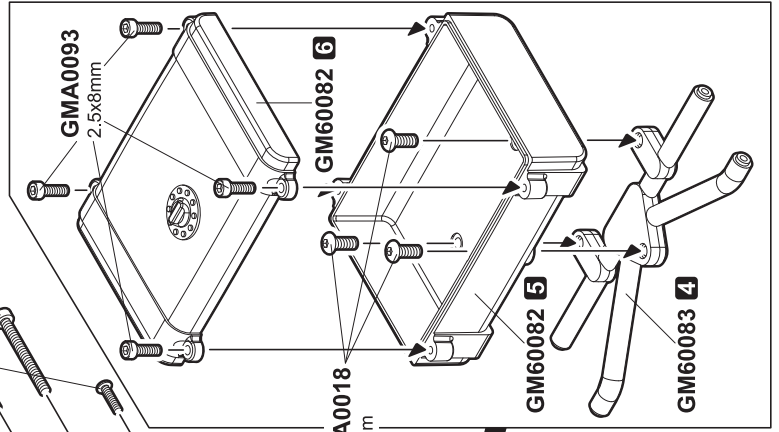
x2

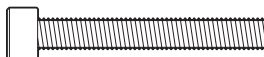



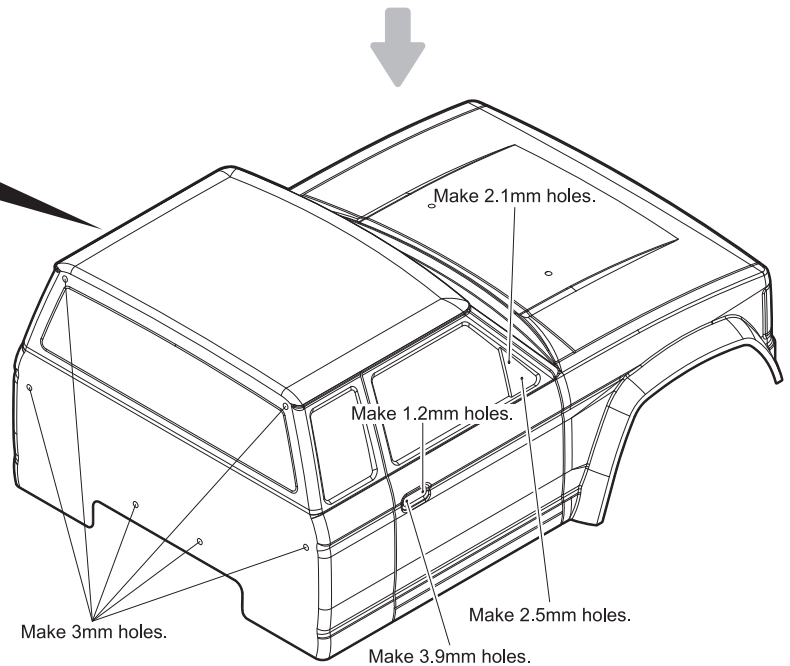
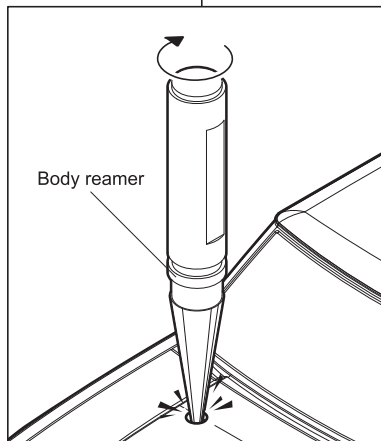
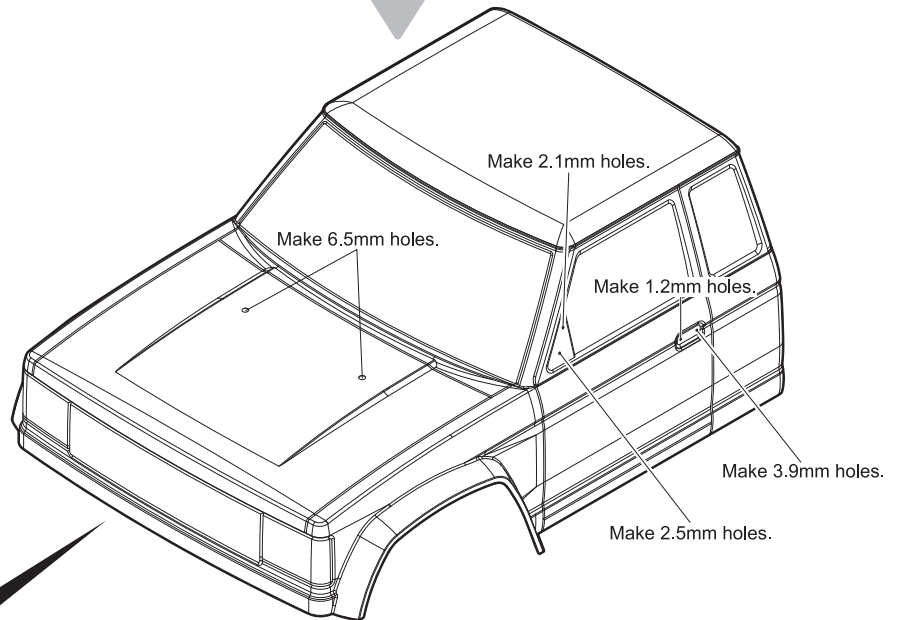
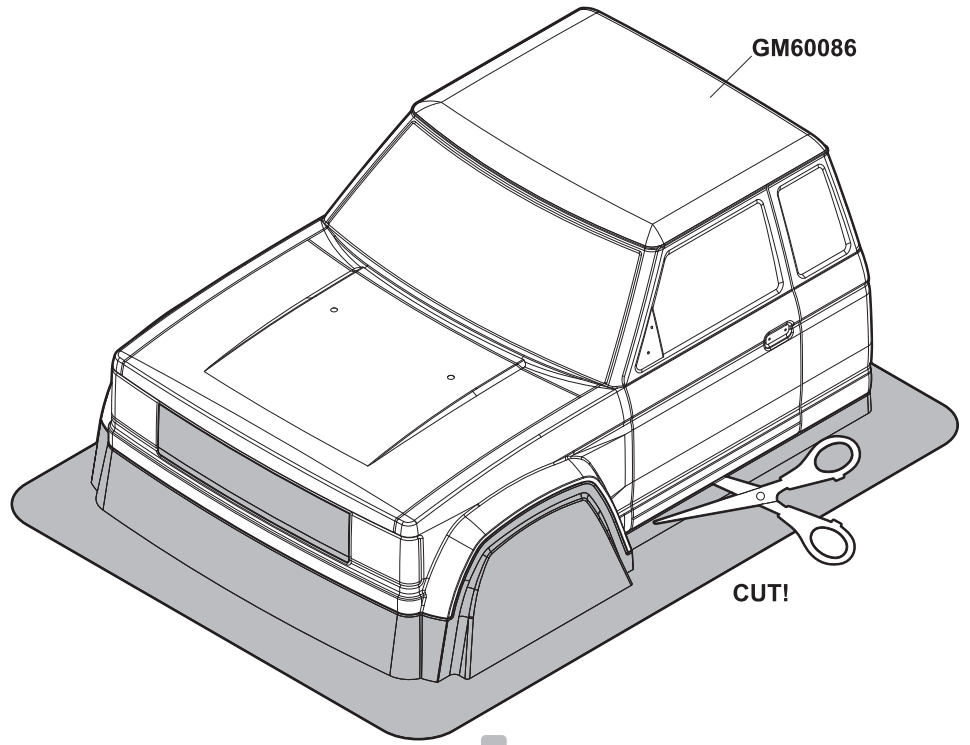
REAR CAGE

59

-  **GMA0013** x22
2.5x10mm Round head wrench bolt
-  **GMA0018** x3
3x8mm Round head wrench bolt
-  **GMA0093** x4
2.5x8mm Wrench bolt
-  **GMA0109** x2
3x30mm Wrench bolt

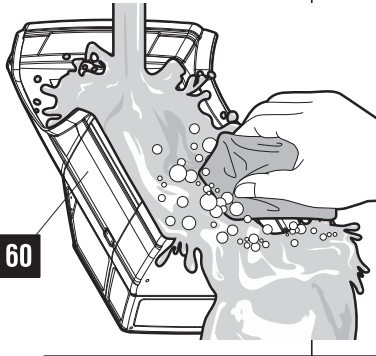


-  **GMA0121** x1
4x30mm Wrench bolt
-  **GMA0157** x1
M4 nylon lock nut

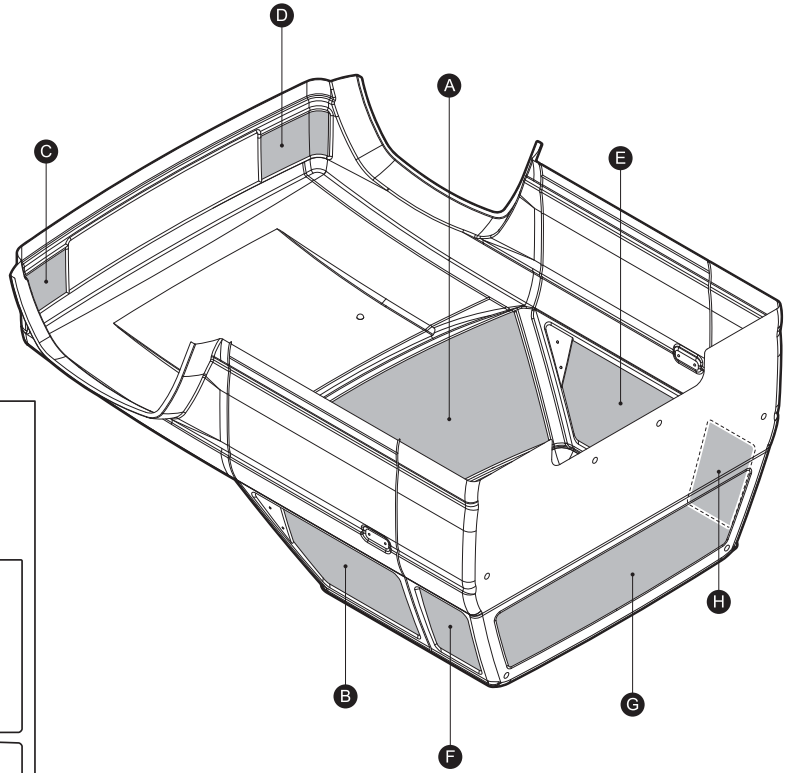
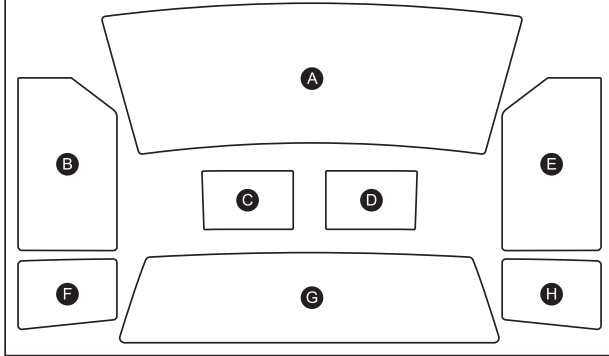


BODY MASKING

61



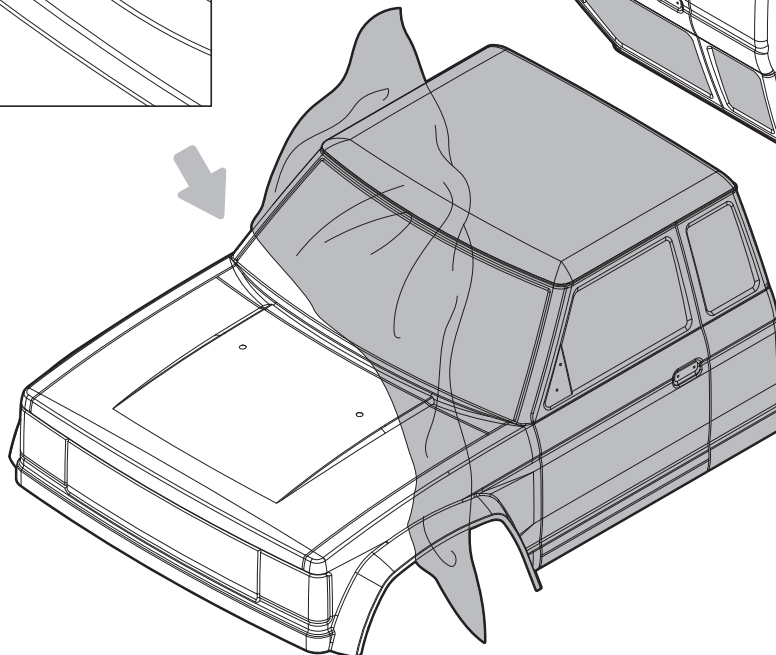
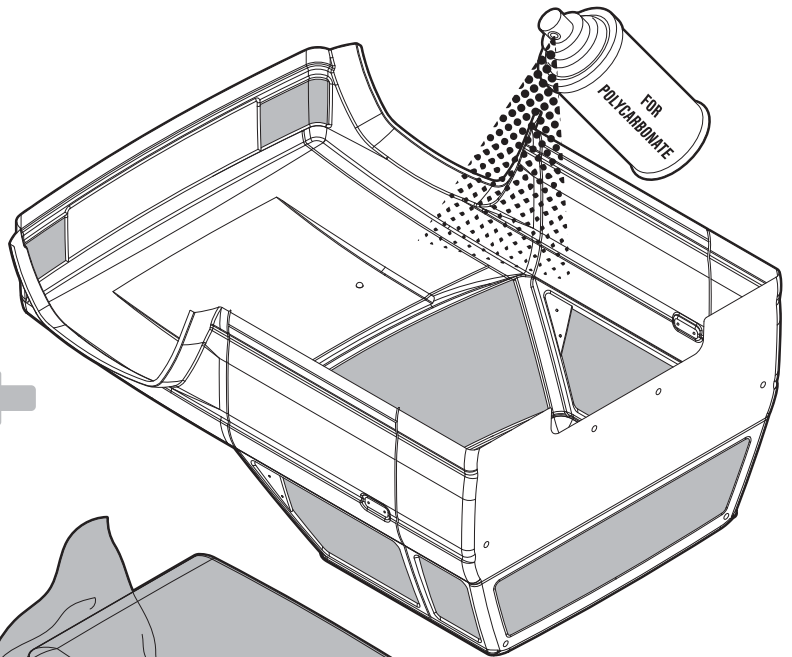
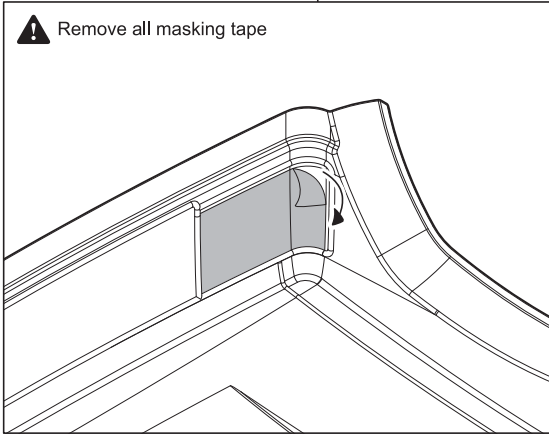
GM60086
BOM masking tape



BODY PAINTING

62

⚠ Remove all masking tape



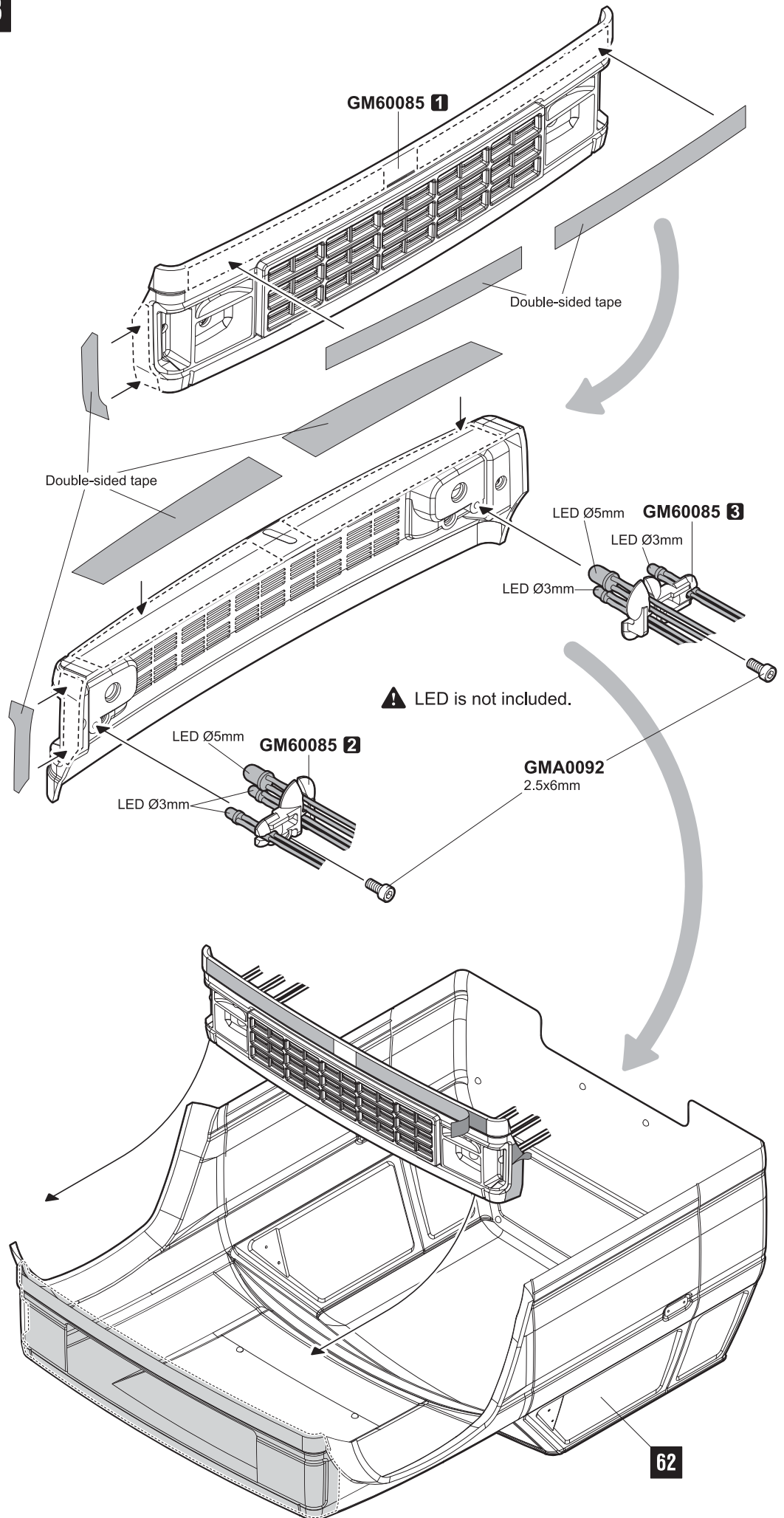
FRONT GRILLE

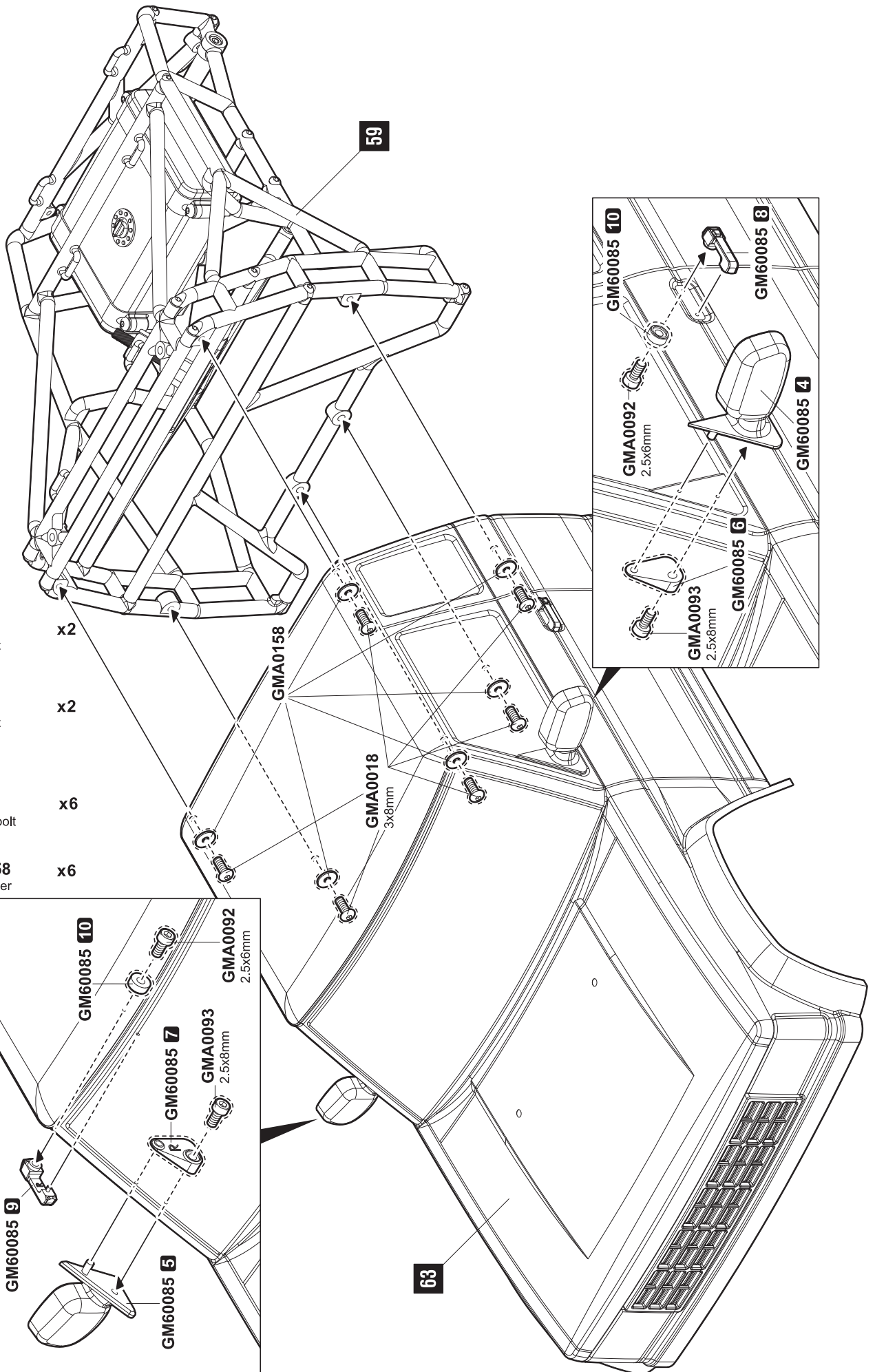
63



GMA0092
2.5x6mm Wrench bolt

x2





 **GMA0092**
2.5x6mm Wrench bolt

x2

 **GMA0093**
2.5x8mm Wrench bolt

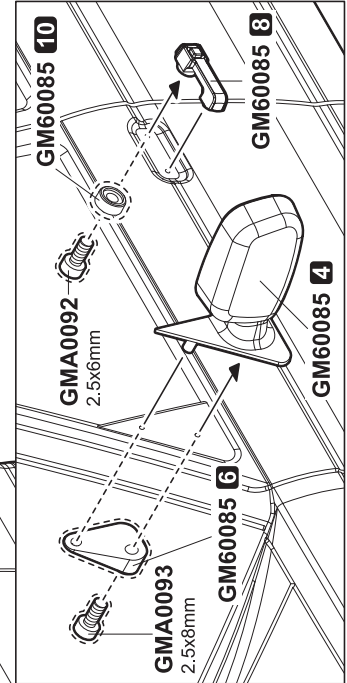
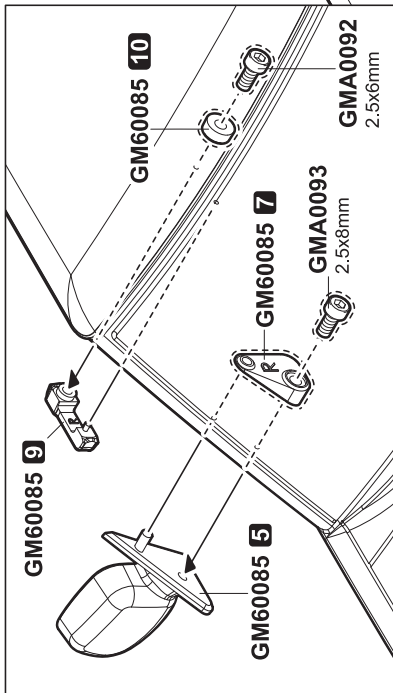
x2

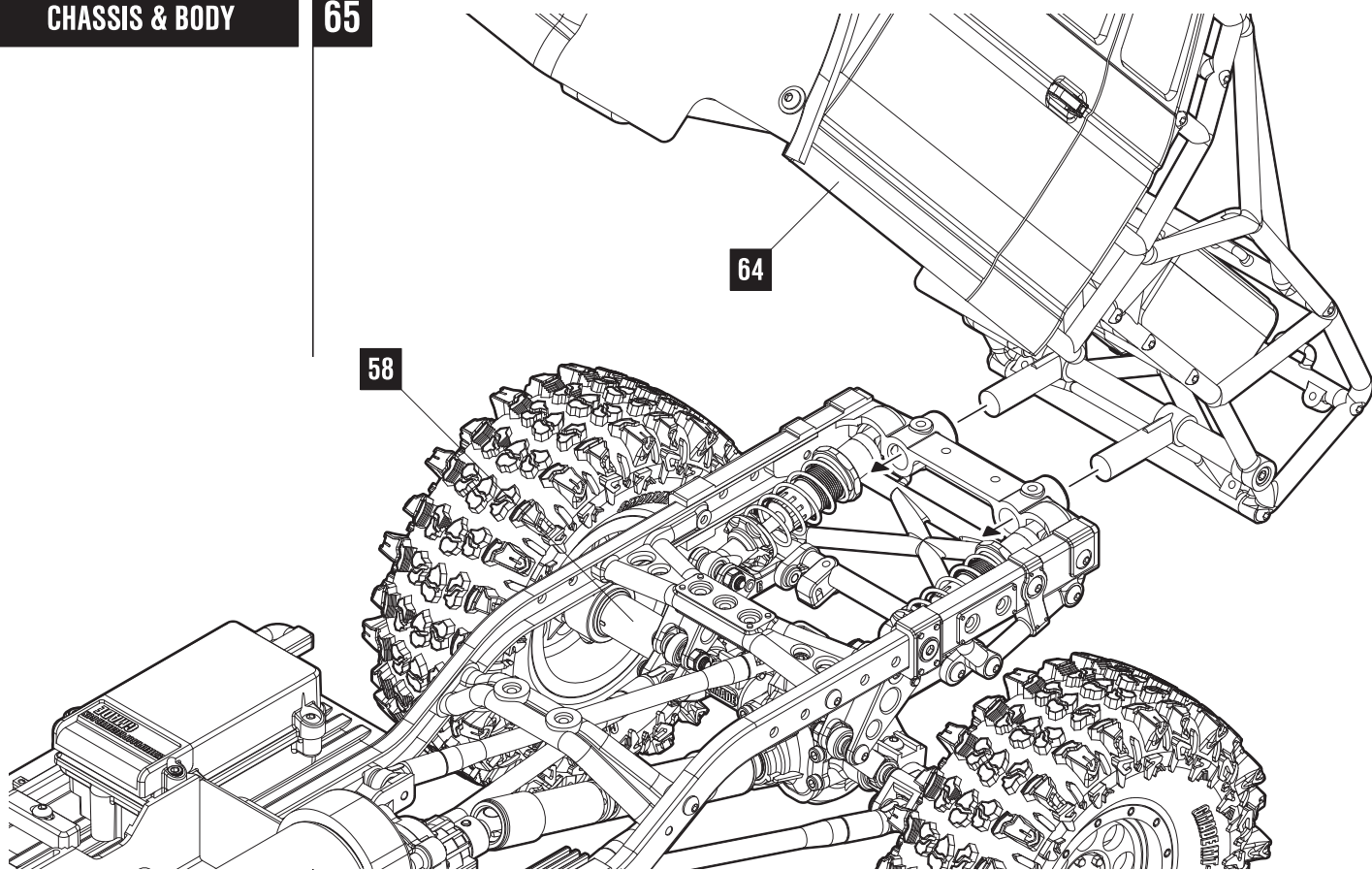
 **GMA0018**
3x8mm
Round head wrench bolt

x6

 **GMA0158**
3mm Washer

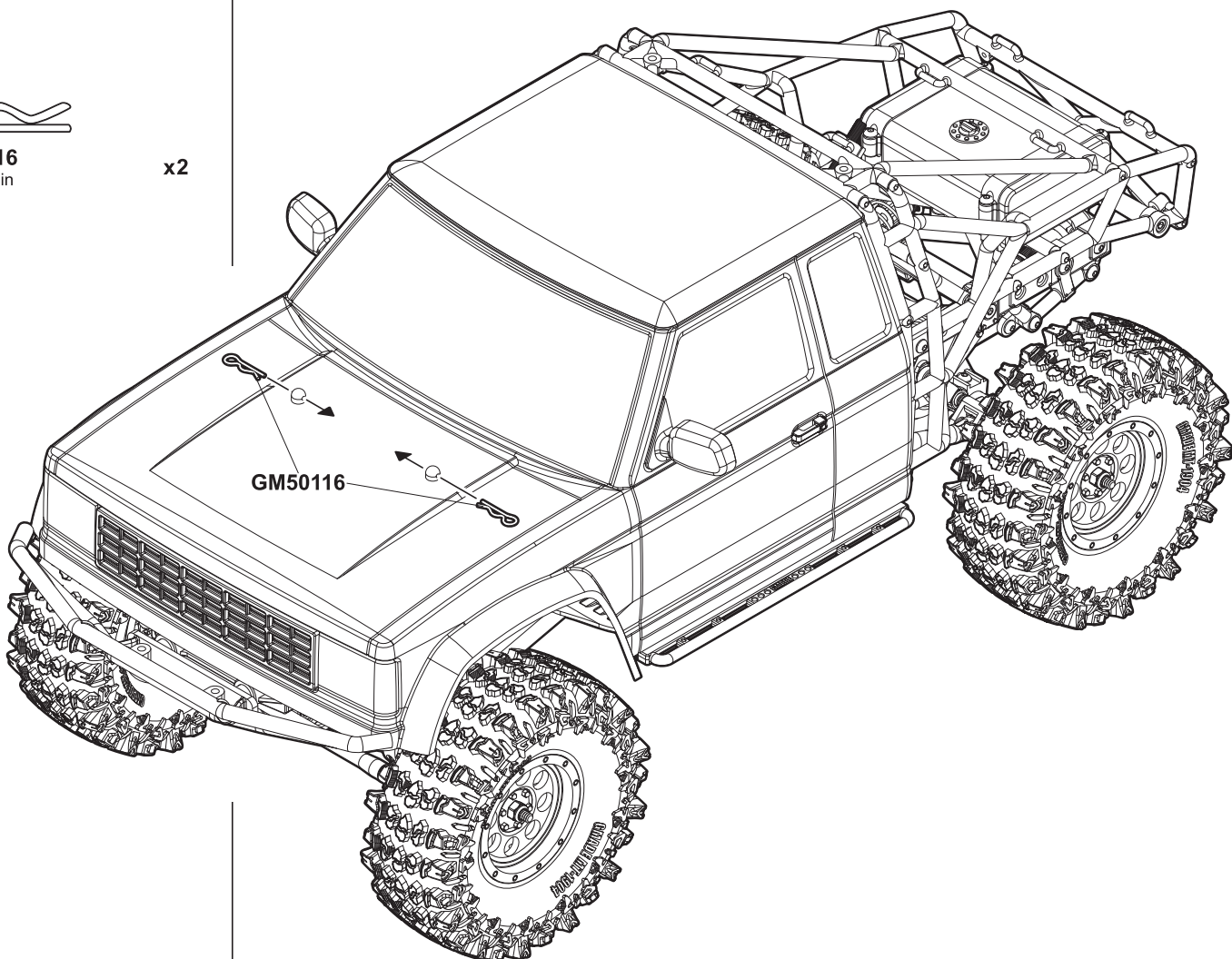
x6





GM50116
R6 snap pin

x2



SPARE PARTS LIST

PART#	PRODUCT NAME	PART#	PRODUCT NAME
GM0020075	Shock shaft 3.5x46.4mm (2)	GM60117	Velcro strap 16x160mm (2)
GM0020078	RSD shock delrin pistons	GM60119	Universal joint drive coupler (2)
GM50116	R6 snap pin (12)	GM70304	1.9 MT 1904 Off-road Tires (2)
GM51603	Pin 2x10.3mm (4)	GM70574	1.9 NR03 wheel
GM60022	M4 5.8mm rod end set	-----	
GM60023	5.8mm ball parts tree	GMA0011	2.5x6mm round head wrench bolt
GM60033	Pin 1.5x7.2mm (4)	GMA0012	2.5x8mm round head wrench bolt
GM60061	GA44 front axle housing parts tree	GMA0013	2.5x10mm round head wrench bolt
GM60062	GA44 rear axle housing parts tree	GMA0017	3x6mm round head wrench bolt
GM60063	GA44 axle parts tree	GMA0018	3x8mm round head wrench bolt
GM60064	GA44 axle hardware set	GMA0019	3x10mm round head wrench bolt
GM60065	Pin 2x11.4mm (4)	GMA0020	3x12mm round head wrench bolt
GM60067	11T bevel gear	GMA0021	3x15mm round head wrench bolt
GM60068	33T bevel gear	GMA0022	3x20mm round head wrench bolt
GM60069	48P 18T gear	GMA0023	3x25mm round head wrench bolt
GM60070	48P 30T gear	GMA0024	3x30mm round head wrench bolt
GM60071	48P 38T 1st gear (LO)	GMA0057	3x8mm flat head wrench bolt
GM60072	32P 13T pinion gear	GMA0058	3x10mm flat head wrench bolt
GM60073	TTR transmission housing parts tree	GMA0060	3x15mm flat head wrench bolt
GM60074	TTR transmission motor mount parts tree	GMA0082	2x6mm wrench bolt
GM60075	GS02 rear cantilever suspension parts tree	GMA0092	2.5x6mm wrench bolt
GM60076	GS02 side plate parts tree	GMA0093	2.5x8mm wrench bolt
GM60077	GS02 shock hoop & body post parts tree	GMA0094	2.5x10mm wrench bolt
GM60078	GS02 battery tray & cross member parts tree	GMA0095	2.5x12mm wrench bolt
GM60079	SD shock parts tree	GMA0109	3x30mm wrench bolt
GM60080A	32P 45T spur gear	GMA0121	4x30mm wrench bolt
GM60081	GS02 frame side rails	GMA0126	3x3mm socket set screw
GM60082	Rock slider & rear cage side parts tree	GMA0127	3x4mm socket set screw
GM60083	Front tube bumper & Rear cage parts tree	GMA0131	3x10mm socket set screw
GM60084	Universal shaft parts tree	GMA0132	3x12mm socket set screw
GM60085	BOM exterior detail parts tree	GMA0133	3x15mm socket set screw
GM60086	BOM clear body set	GMA0144	4x15mm socket set screw
GM60087	Slipper disk 20x1.5mm (2)	GMA0145	4x20mm socket set screw
GM60088	Slipper pad (2)	GMA0154	M3 nut
GM60089	Upper link M4x6.8x55mm (2)	GMA0156	M3 nylon lock nut
GM60090	Lower link M4x6.8x80mm (2)	GMA0157	M4 nylon lock nut
GM60091	Upper link M4x6.8x98mm (2)	GMA0158	3mm washer
GM60092	Lower link M4x6.8x100mm (2)	GMA0159	4mm washer
GM60093	5.8mm ball stud M3x5mm (5)	GMA0160	2mm E-ring
GM60094	SD 90mm shock body (2)	GMA0162	4mm E-ring
GM60095	SD 67mm shock body (2)	GMA0163	Ball bearing 5x8x2.5mm
GM60096	Shock shaft 3.5x33.9mm (2)	GMA0165	Ball bearing 5x11x4mm
GM60097	Shock spring 15.2x61mm (2)	GMA0167	Ball bearing 10x15x4mm
GM60098	Shock spring 16.2x36mm (2)	GMA0169	P3 O-ring
GM60099	Panhard rod 86mm	GMA0170	P5 O-ring
GM60100	GA44 steering rod set	GMA0172	3x18mm round head wrench bolt
GM60101	Universal joint set	GMA0205	Ball bearing 8x12x3.5mm
GM60102	CVA drive coupler (2)	GMA0210	4mm conical spring washer
GM60103	3x10mm Screw pin (4)	GMA0211	3x18mm flat head wrench bolt
GM60104	Foam seal (2)	GMA0212	7x1 O-ring
GM60105	BOM decal sheet	GMA0213	S56 O-ring
GM60109	GA44 CVA kit		
GM60110	CVA pin retaining ring (2)		
GM60111	Input universal joint set		
GM60112	Straight drive shaft 107mm (2)		
GM60113	Transmission shaft 26mm		
GM60114	Slipper shaft 46mm		
GM60115	Transmission output front shaft 25mm		
GM60116	Transmission output rear shaft 63mm		

