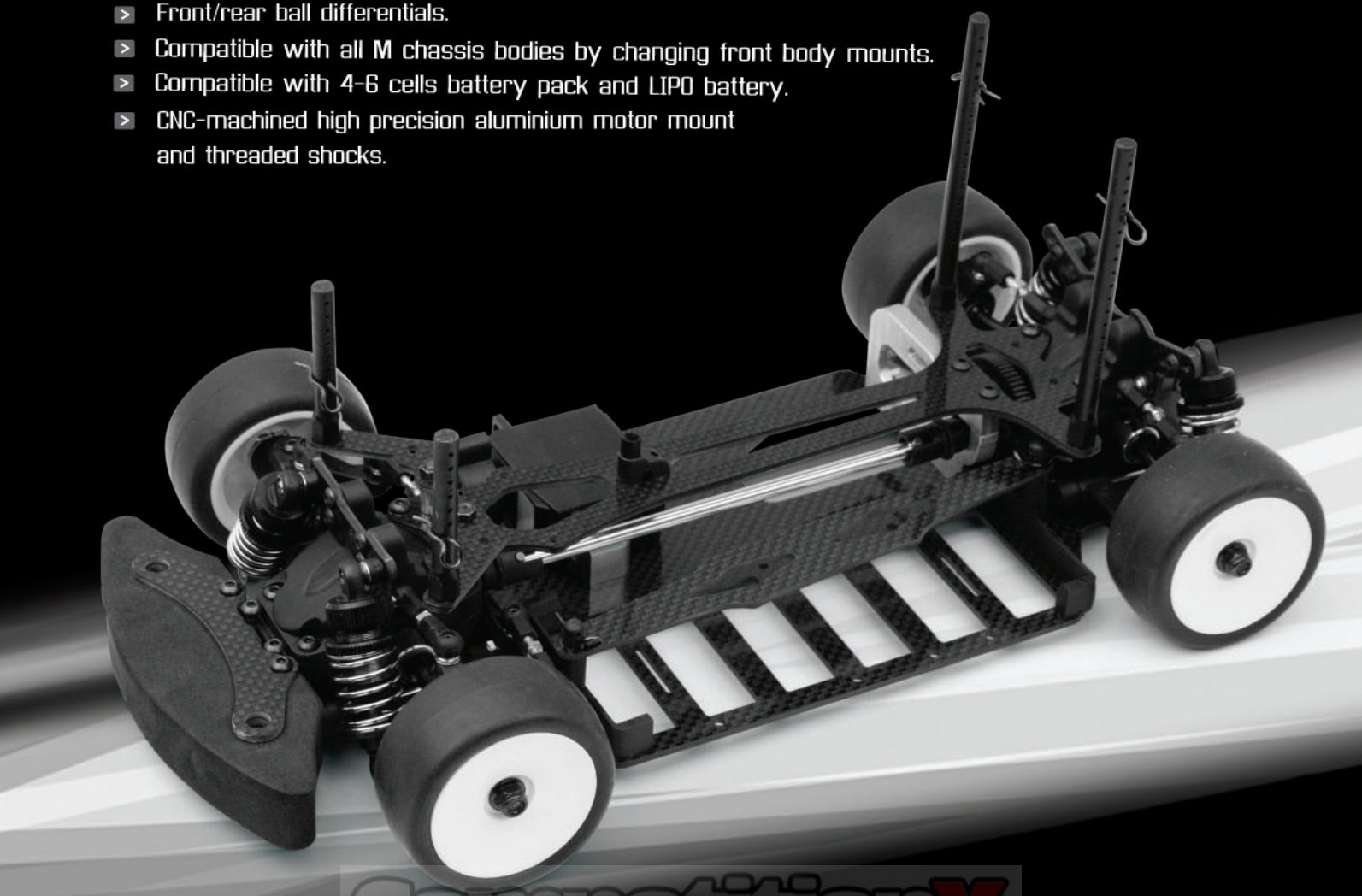
# NRX-12

4WD
M-CHASSIS
210mm

## M-CHASSIS ELECTRIC RACING CAR

## INSTRUCTION MANUAL

- Wheelbase: 210mm.
- Track width: 165mm.
- Innovative rear body post mounting position.
- Full time 4WD high efficient shaft drive transmission.
- CNC-machined lightweight fibre chassis, upper deck, front bumper plate, battery bar holder.
- Fully rebuildable lightweight CVD drive shaft.
- Front/rear ball differentials.
- Compatible with all M chassis bodies by changing front body mounts.
- Compatible with 4-6 cells battery pack and LIPO battery.
- CNC-machined high precision aluminium motor mount and threaded shocks.

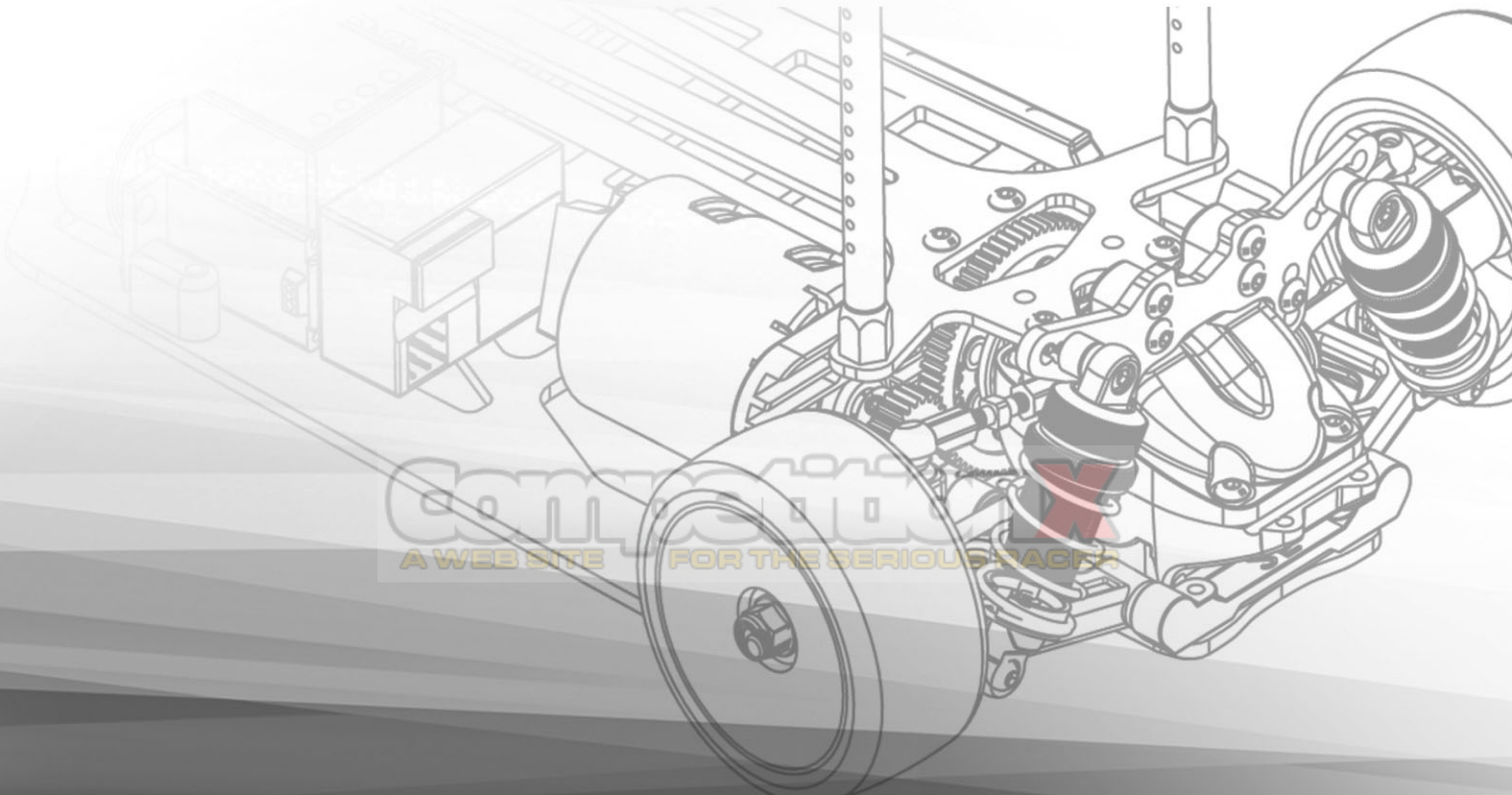


competitionX
A WEB SITE FOR THE RC ENTHUSIAST

**Please read these instructions thoroughly before assembling**

# NRX-12

## M-CHASSIS ELECTRIC RACING CAR



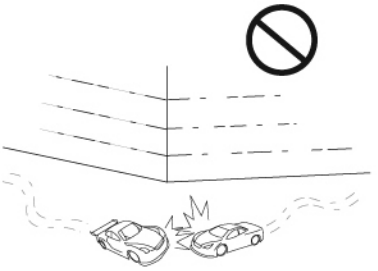
Competition
A WEB SITE FOR THE SERIOUS RACER

## Before commencing assembly,please read these instructions thoroughly

**CAUTION Do not drive the following places.**

**Do not drive on public streets or highways.**
**This could cause serious accidents, personal injuries, and/or property damage.**

**Do not drive in water or sand.**



**Make sure everyone is using different frequencies when driving together in the same area.**

## Important Basics

Build this Kit in an area away from small children Tool, parts and liquids can be dangerous! Also. provide adult supervisinon if a child is building this kit.

Follow the operating instructions for the radio equipment at all times.

Always turn on the transmitter before you turn on the car.

Keep the wheels of the car off the ground when checking the operation of the radio equipment.

Always turn off the radio system and unplug the battery pack when not using the car.

Follow the operating instructions for the Ni-Cd batteries pack when not using the car.

Insulate any exposed electrical wiring with heat shrink tubing to prevent dangerous short-circuits.

## Technical Data

Chassis Full length/282mm

Chassis Width/F/163mm R/163mm · 169mm

Chassis Wheel Base208mm · 210mm

F.caster Angle/4DEGREE

Gear Ratio/4.126:1(31T PINION)

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A WEB SITE FOR THE SERIOUS RACER

## Equipment Needed: (Not Included)

**Radio Gear/Fernsteueranlage/Equipement**
**Radio**

**Radio control system**
You will need a-Channel radio system with one servo,
receier and electronic speed control with an ON/OFF switch.

8AA Alkaline Dry Batteries. **8x**

540 Motor

7.2V Battery

Transmitter

7.2V Compatible Charger

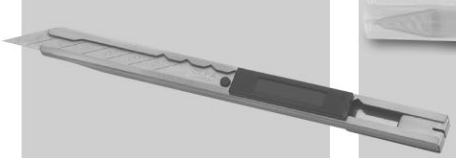
E.S.C Unit

Steering servo

Receiver

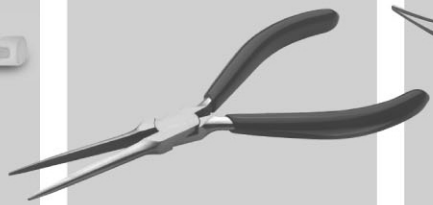
## Tools Recommended: (Not Included)

**Modelling Knife**



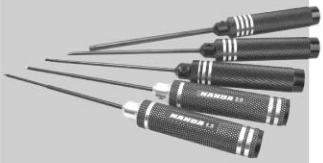
**Instant Adhesive**

**Needle Nose Pliers**

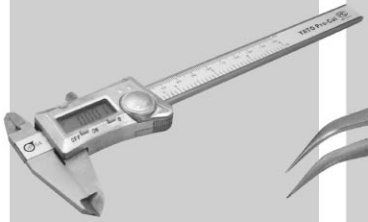


**Scissors**

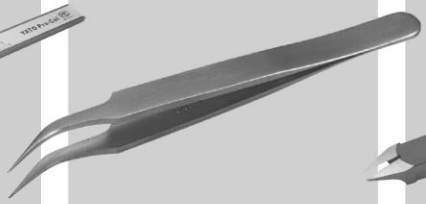
**Philips Screwdriver**
**1,5/ 2 / 2,5 mm**



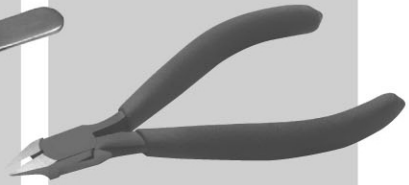
**Precision Caliper**



**Tweezers**



**Side Cutter**



## Included Items:

CompetitionX
A WEB SITE FOR THE SERIOUS RACER

HEX WRENCH 1.5mm

HEX WRENCH 2.0mm

SHOCK OIL

X4
NB1001A052
13X19X0.6mm

X2
NB1001B002

X2
NB1001B004
2.6X6X3.5mm

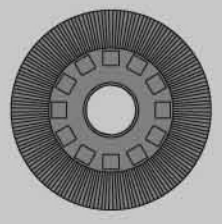
X4
BA1001B009
5X8X2.5mm

X4
NB1001B003
10X15X4mm

X2
NB1001B005
M2.5X23mm

X2
UG0015B004
M2.5

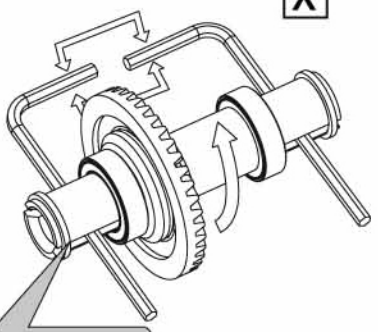
X6
NA1007A004
3/32"

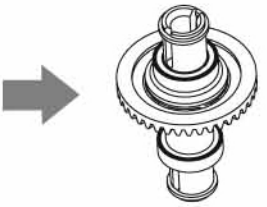


X2
NB1001C029

01

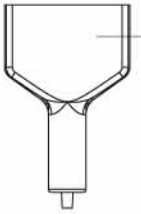
X





X2

NOTE:
Push the diff gear from both sides of diff outdrives to make sure it's tight enough.



Diff tool

UG0015B004

NB1001B003

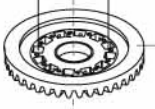
NB1001C031

BA1001B009

Ball diff grease

NB1001A052

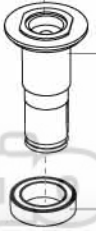
NA1007A004



NB1001C029

BA1001B009

NB1001A052



NB1001C030

NB1001B003

Grease

NB1001B004

NB1001B002

NB1001B005

CompetitionX
A WEB SITE FOR THE SERIOUS RACER

X4
BB1001B014
M3X8mm

X2
BA1001B016
M3

X3
NA1001B015
M3X8mm

X3
NB1001A070
3X8mm

X2
NB1001A066
M3

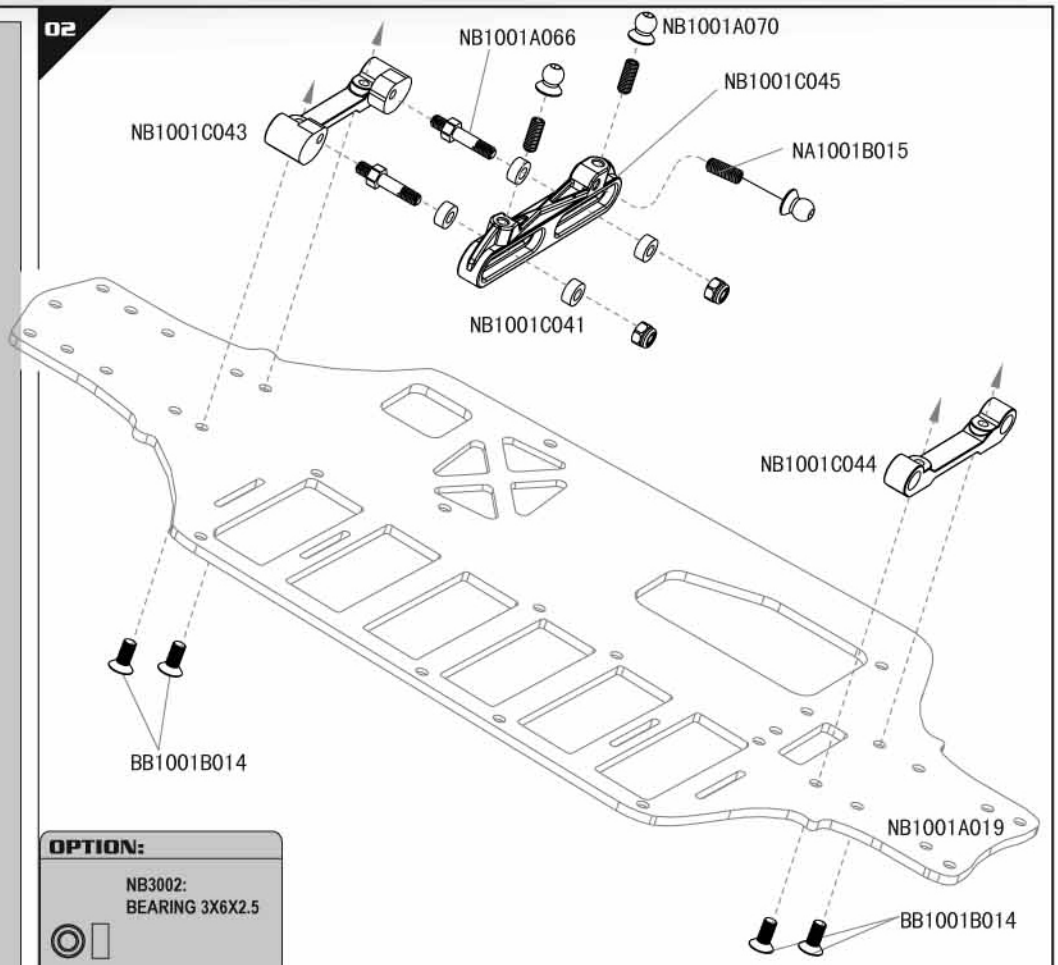
X2
BB1001B014
M3X8mm

X2
NC1001B004
M3X10mm

X4
NB1001A018

X2
NB1001A016

02

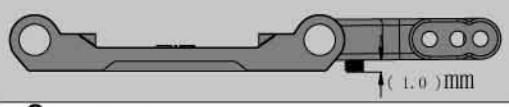


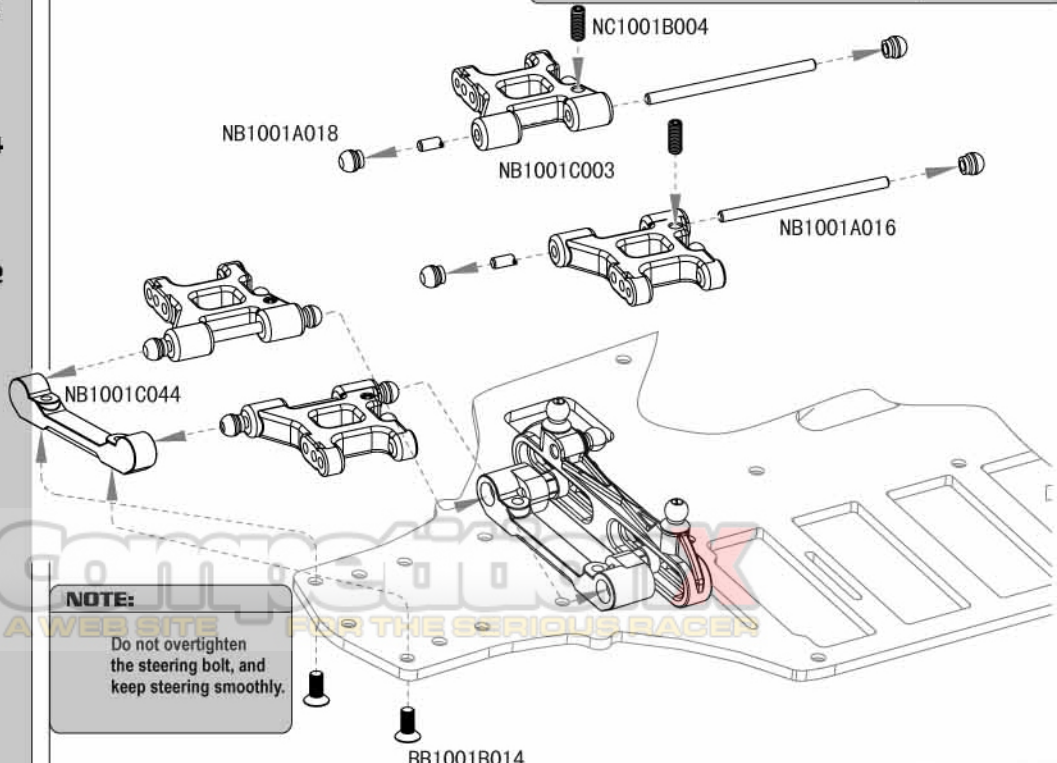

**OPTION:**

NB3002:
BEARING 3X6X2.5

03

**Set up tip:**




**NOTE:**

Do not overtighten the steering bolt, and keep steering smoothly.

A WEB SITE FOR THE SERIOUS RACER

X2
BB1001B014
M3X8mm

X2
NC1001B004
M3X10mm

X4
NB1001A018

X2
BB1001B014
M3X8mm

X2
NB1001A043

X1
NA1001B015
M3X8mm

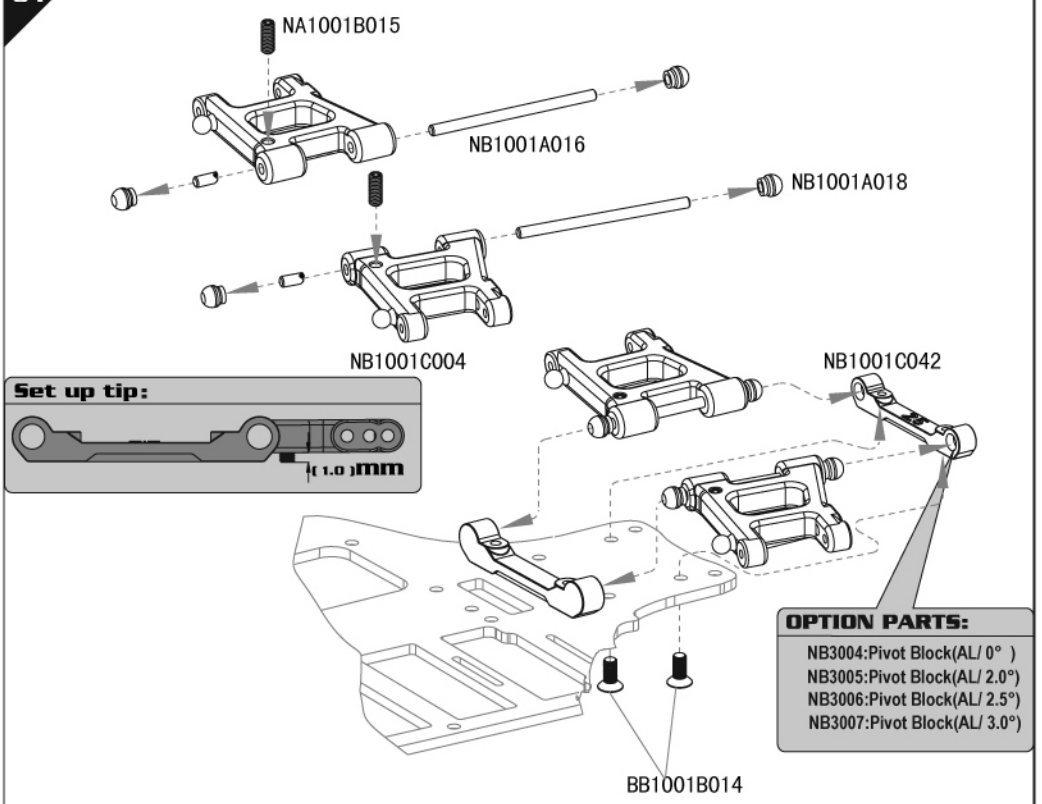
X1
NB1001A070
3X8mm

X2
BB1001B063
M3X6mm

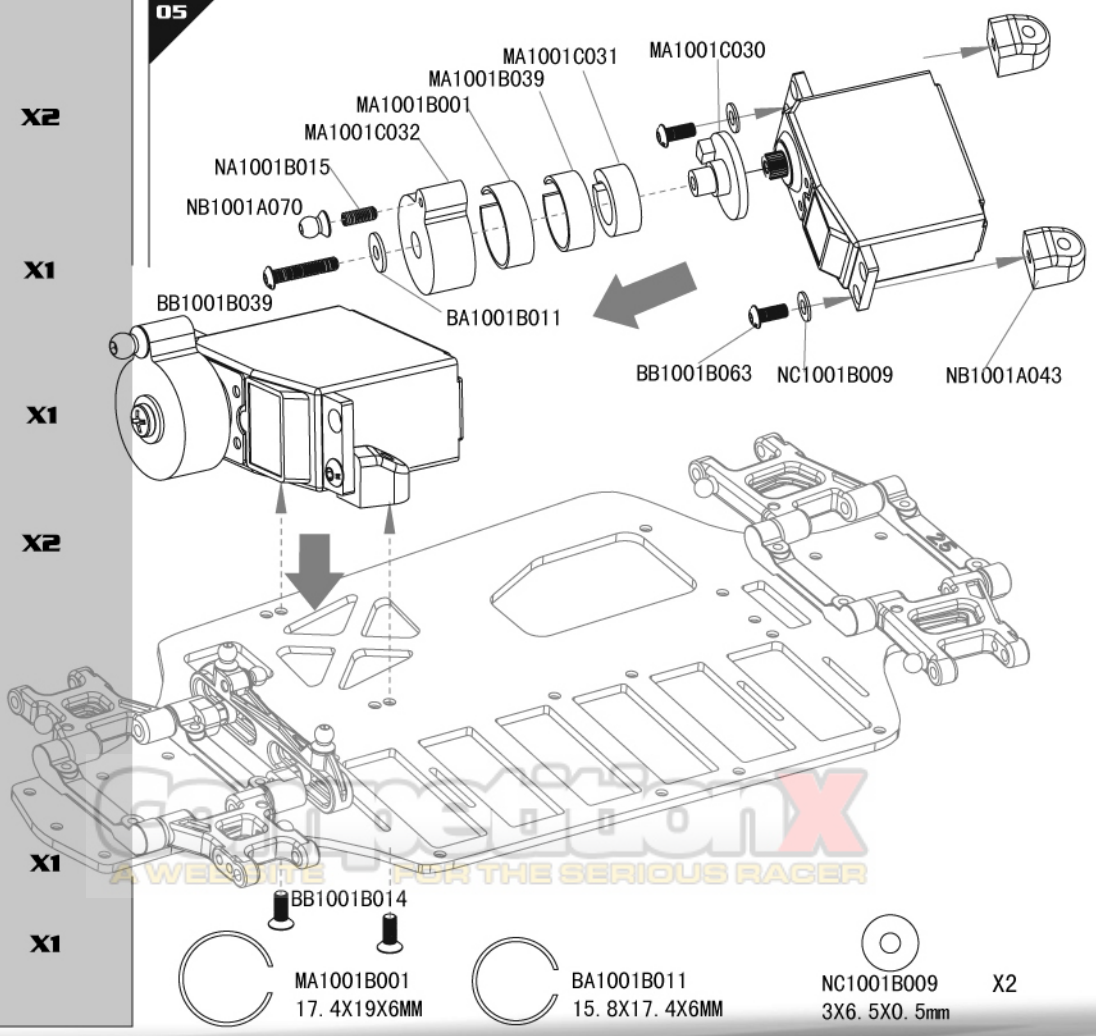
X1
BB1001B039
M3X12mm

X1
BA1001B011
3.2X9X0.8mm

04



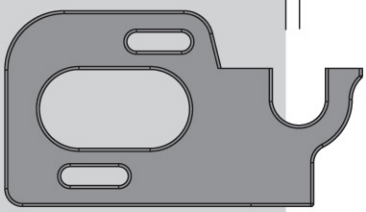

05




A WEBSITE FOR THE SERIOUS RACER

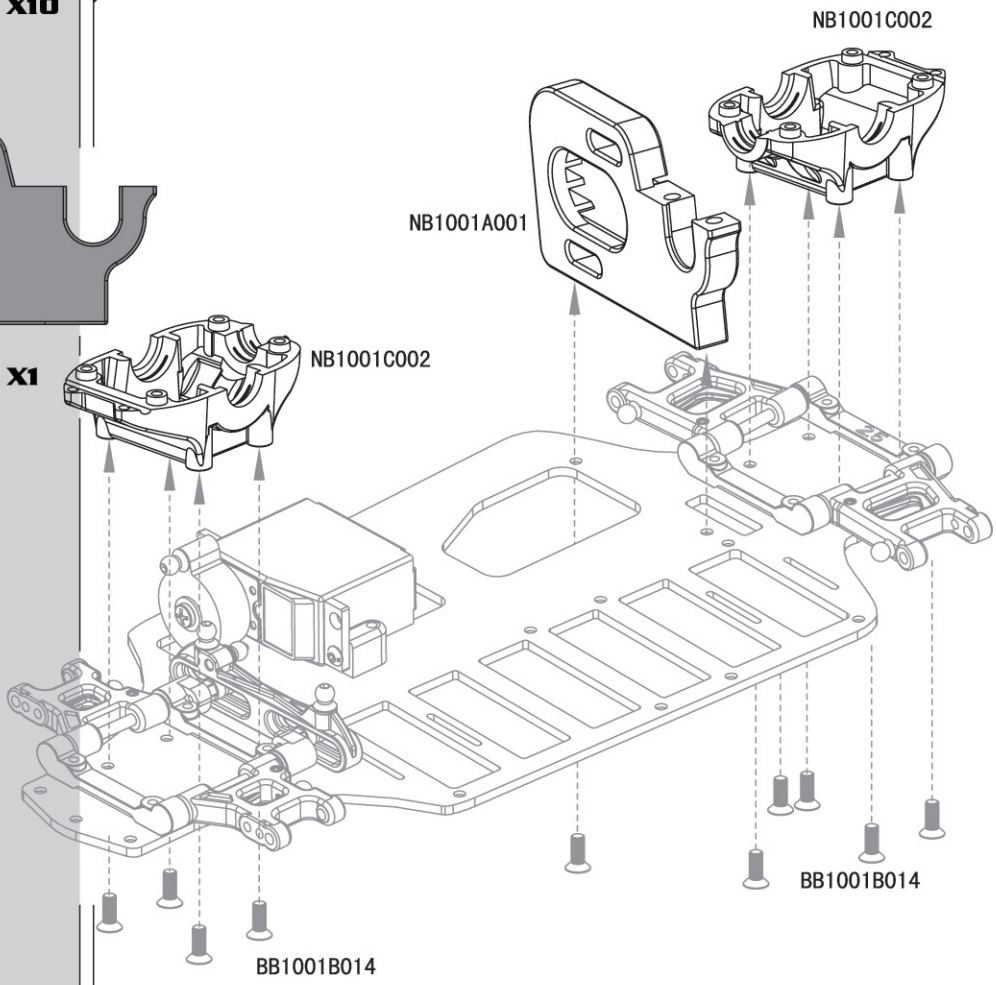
X10

BB1001B014
M3X8mm



NB1001A001 X1

06




X1

BB1001B014
M3X8mm

X2

BA1001B007
5X10X4mm

X1

BB1001D009
5.8X9.6mm

X1

NB1001C032 17T

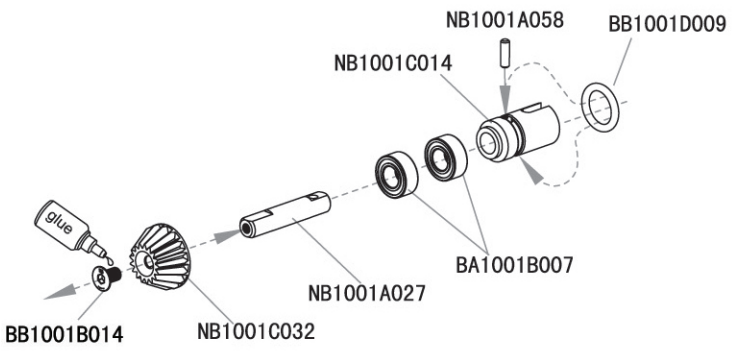
X1

NB1001A058
2X7.6mm

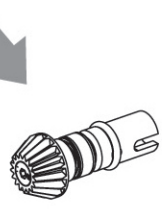
X1

NB1001A027

07




CompetitionX
A WEB SITE FOR THE SERIOUS RACER



X1
BB1001B014
M3X8mm

X4
NB1001B009
M3X6mm

X2
NB1001A058
2X7.6mm

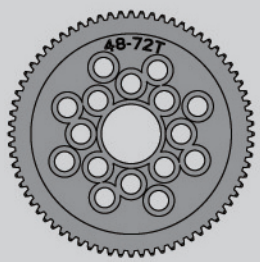
X1
NB1001A041
5.1X6.8X2mm

X1
BB1001D009
7X10X1.5

X3
BA1001B007
5X10X4mm

X1
NB1001A030

X1
NB1001C032 17T

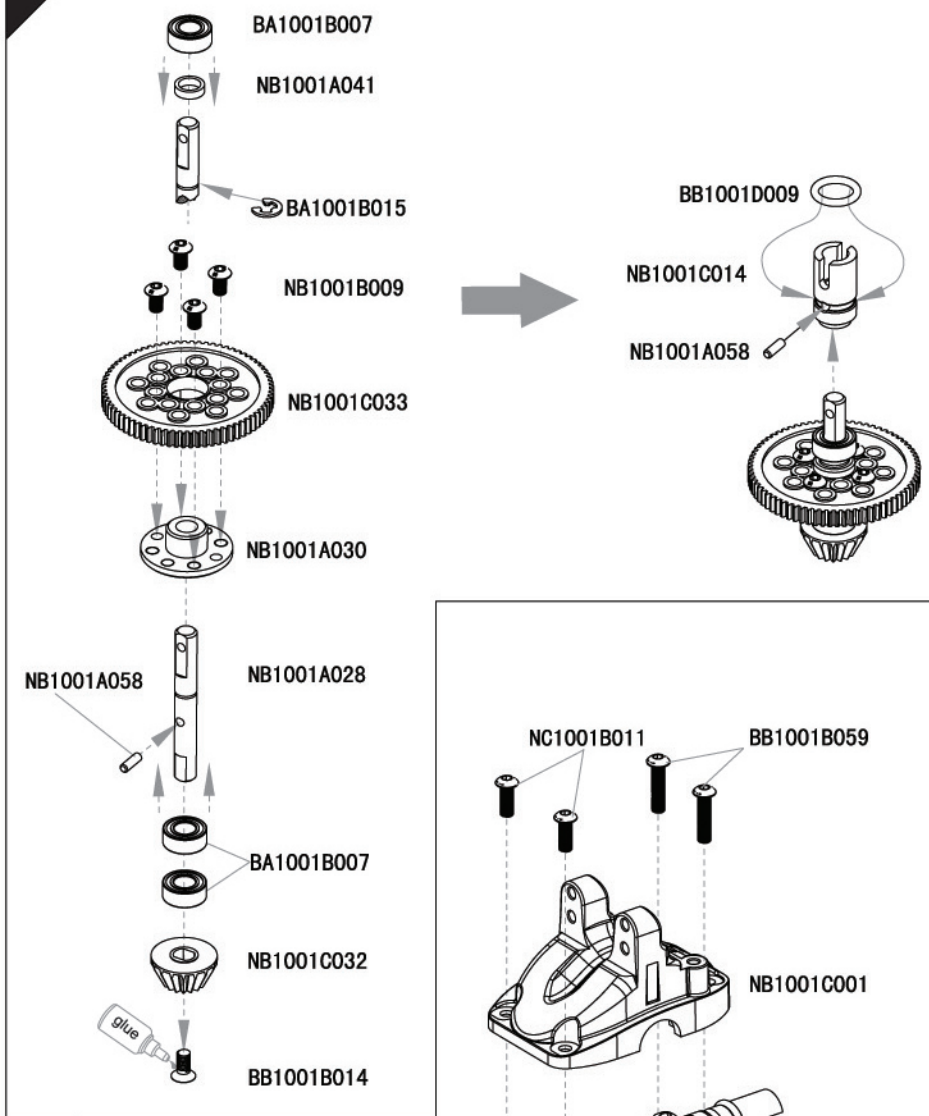



NB1001C033 72T X1

X2
BB1001B059
M3X10mm

X2
NC1001B011
M3X8mm

08

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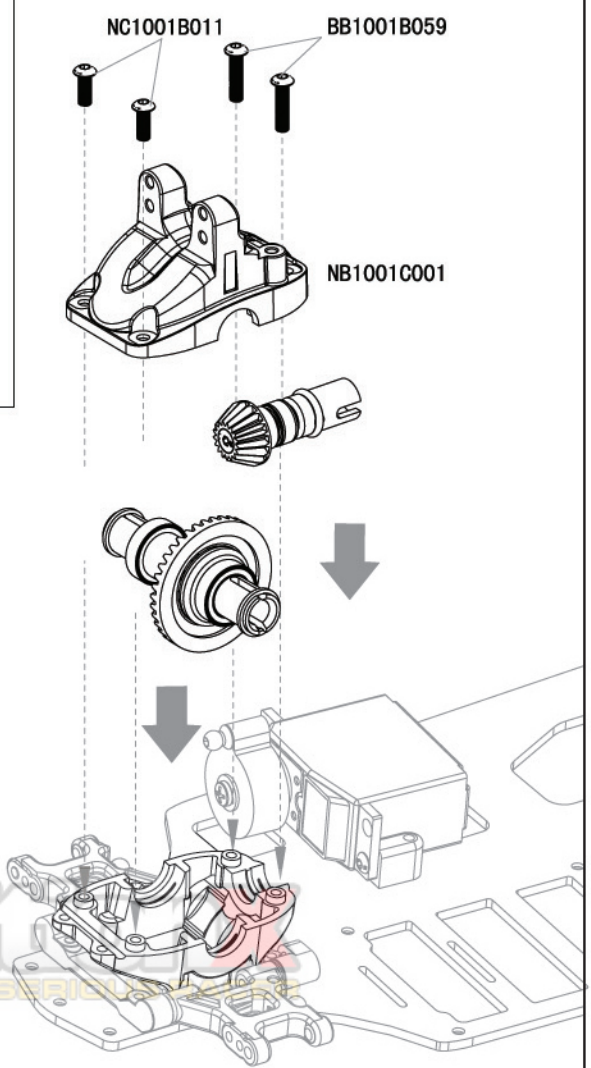



Competition
A WEB SITE FOR THE SERIOUS RACER

X2
NC1001B011
M3X8mm

NB1001A01

X2
BB1001B059
M3X10mm

X1
NC1001A001
2X10.0mm

X1
NB1001A006
12mm

X2
BA1001B007
5X10X4mm

X2
BB1001B059
M3X10mm

X2
NB1001A015
3X7X4.2mm

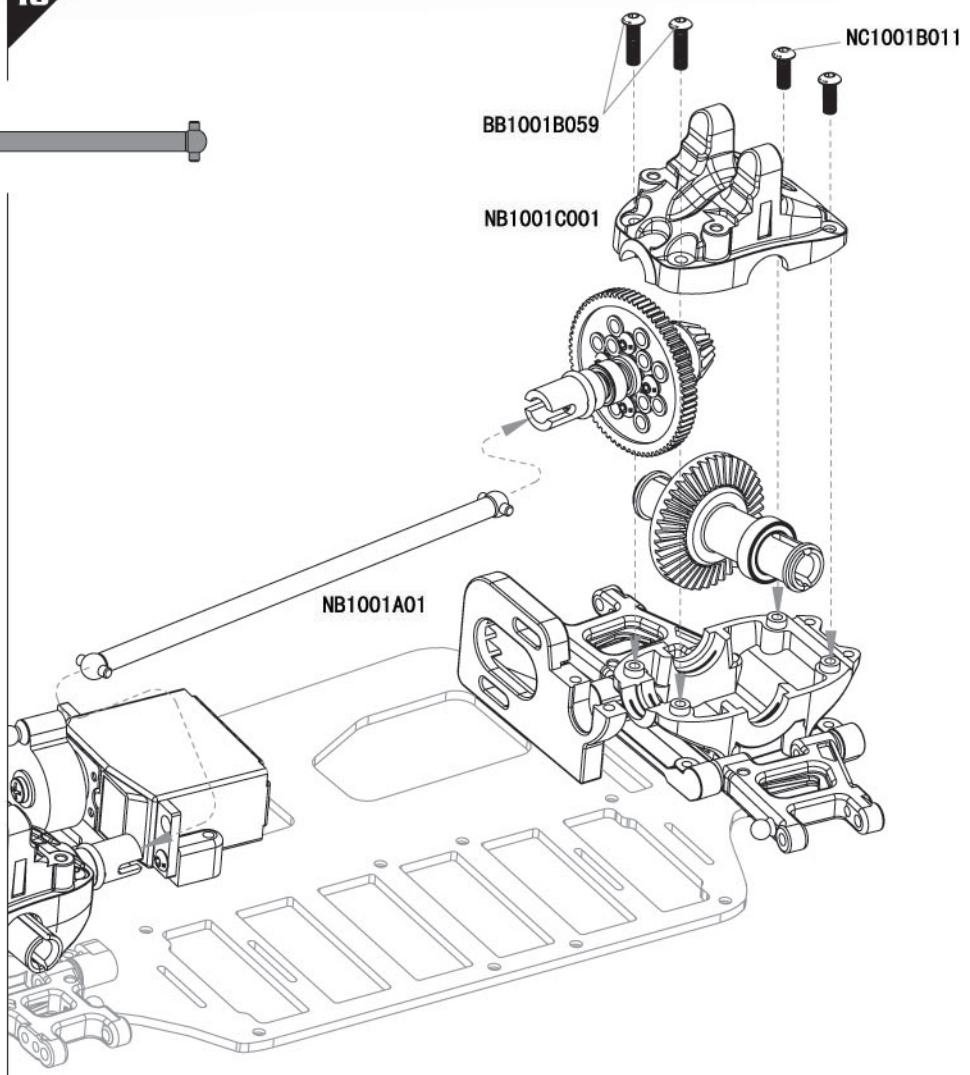
X2
NA1001B015
M3X8mm

NB1001A070
3X8mm
X2

X1
NB1001B017
M2X5mm

NB100103
CVD
X1

10

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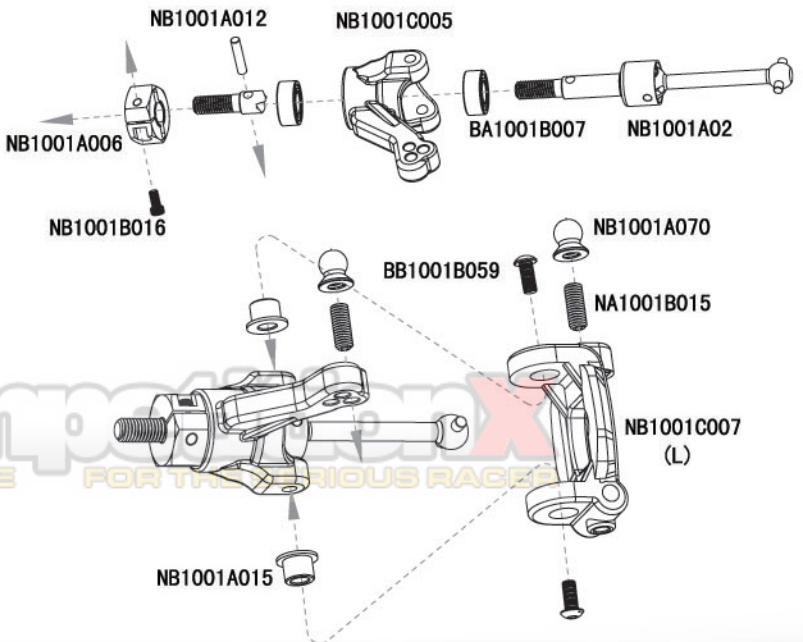



CompetitionX
A WEB SITE FOR THE SERIOUS RACER

X1
NC1001A001
2X10mm

X1
NB1001A006
12mm

X2
BA1001B007
5X10X4mm

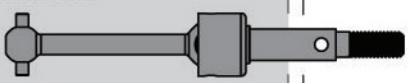
X2
BB1001B059
M3X10mm

X2
NB1001A015
3X7X4.2mm

X2
NA1001B015
M3X8mm

X2
NB1001A070
3X8mm

X1
NB1001B017
M2X5mm



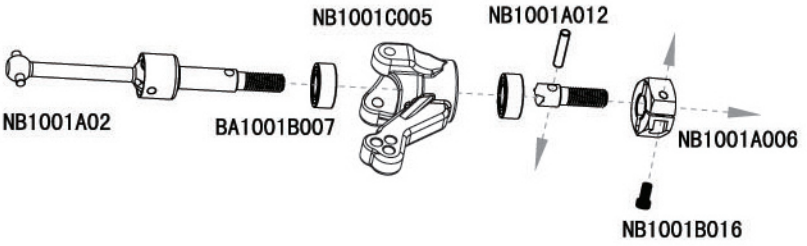
X1
NB100103
CVD

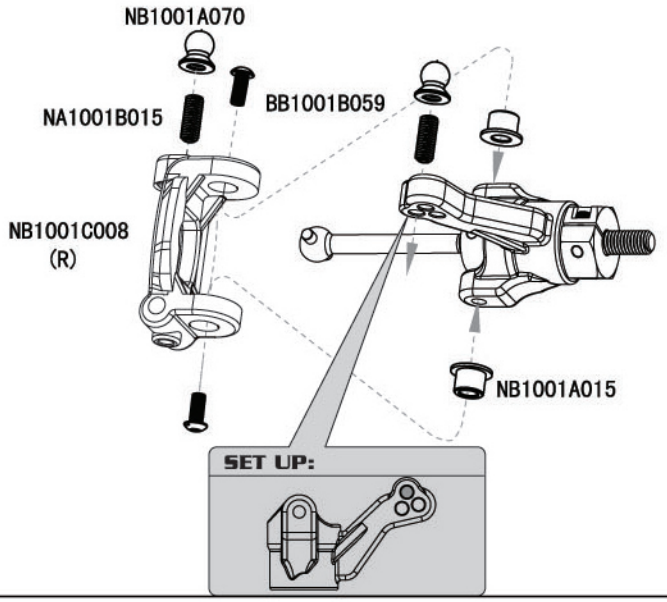
X2
NC1001B019
M3X4mm

X2
NB1001A053
9.5X11.5X1mm

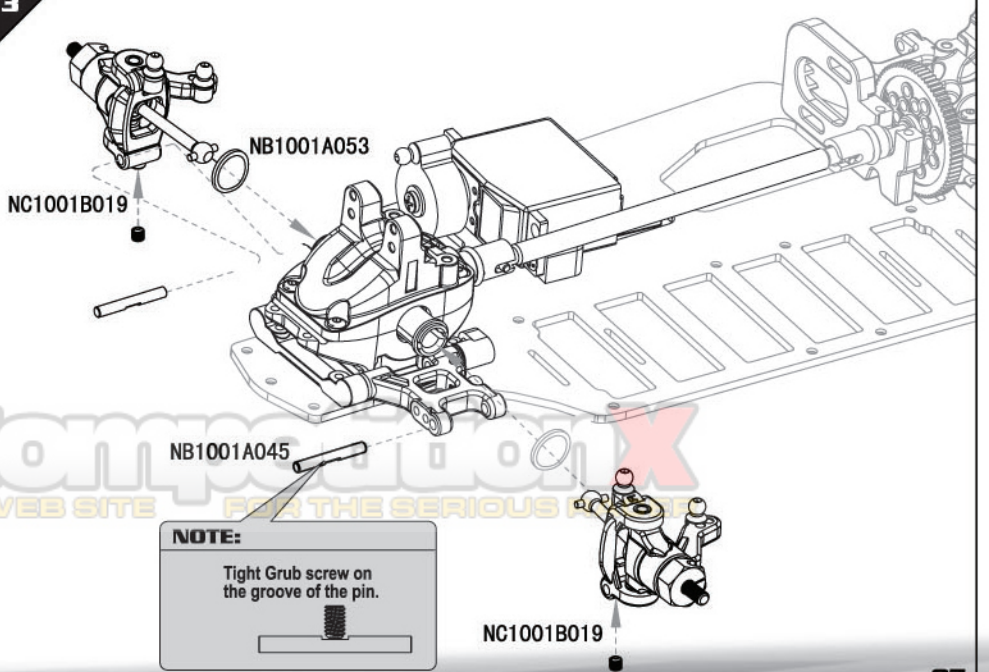
X2
NB1001A045
2.5X23mm

12




13




07

CompetitionX
A WEB SITE FOR THE SERIOUS RACER

BA1001B007
5X10X4mm X4

NB1001A006
12mm X2

NC1001A001
2X10mm X2

NA1001B015
M3X8mm X2

NB1001A070
3X8mm X2

NB1001B017
M2X5mm X2

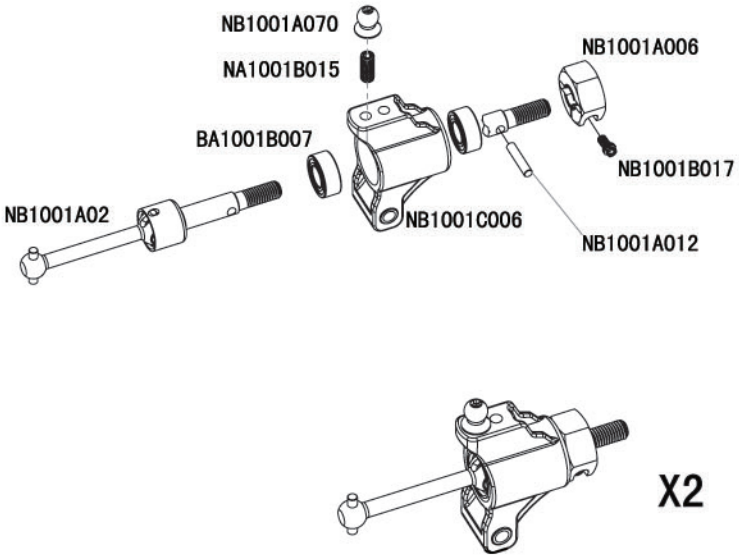
NB1001A017
2.5X26mm X2

NB1001A049
2.5X5X1.5mm X4

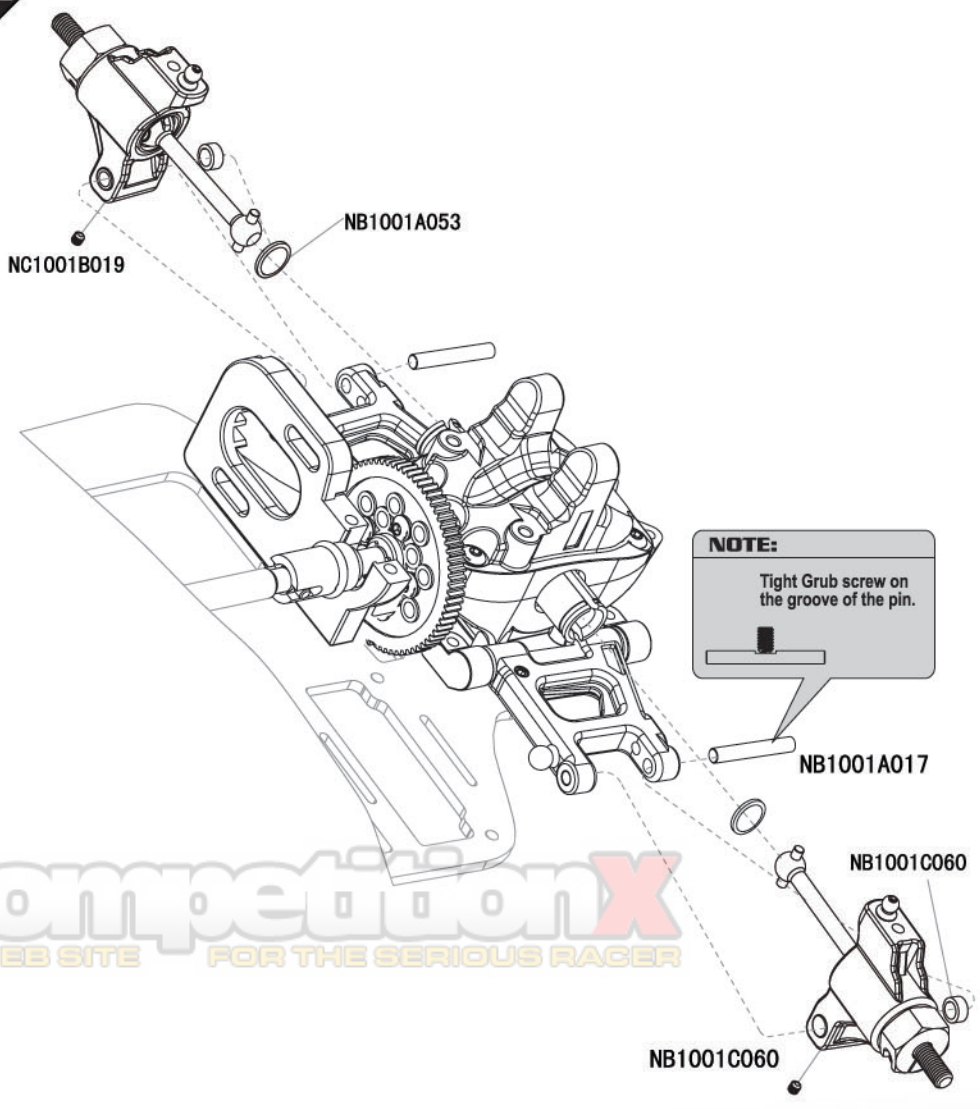
NC1001B019
M3X4mm X2

NB1001A053
9.5X11.5X1mm X2

## 14




## 15




CompetitionX
A WEB SITE FOR THE SERIOUS RACER

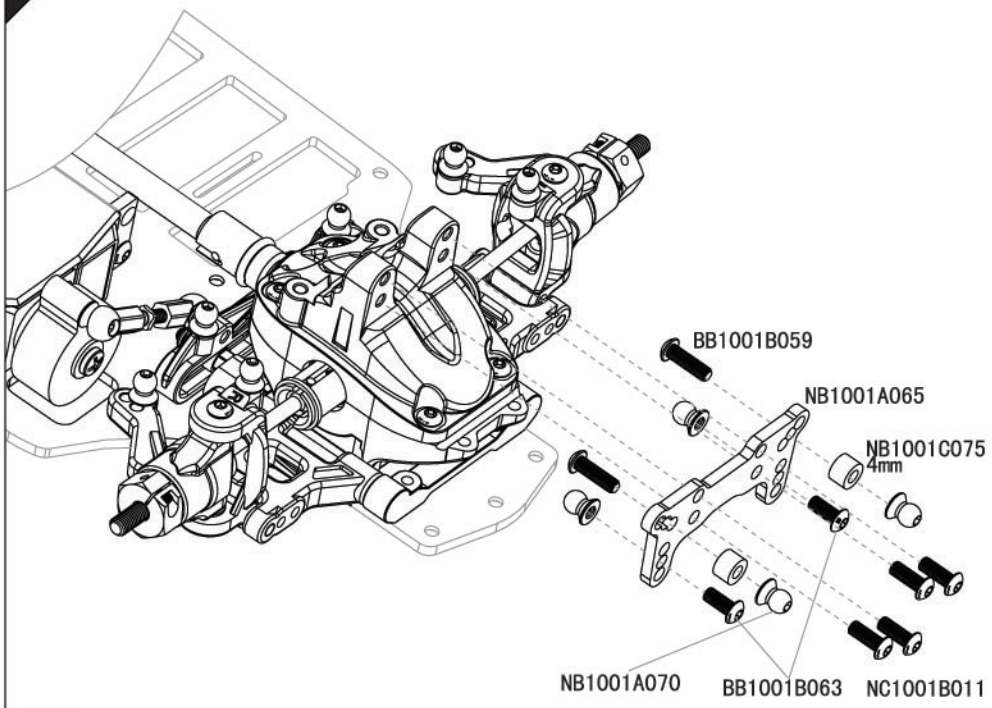
BB1001B059
M3X10mm X2

NC1001B011
M3X8mm X4

NB1001A070
3X8mm X4

BB1001B063
M3X6mm X2

16

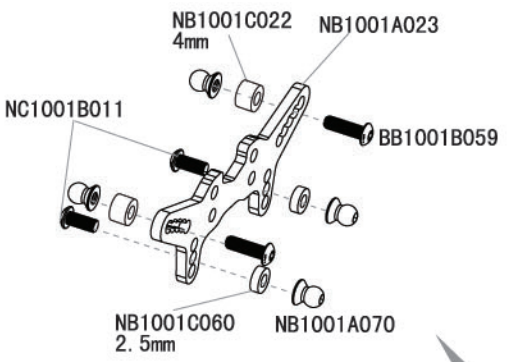


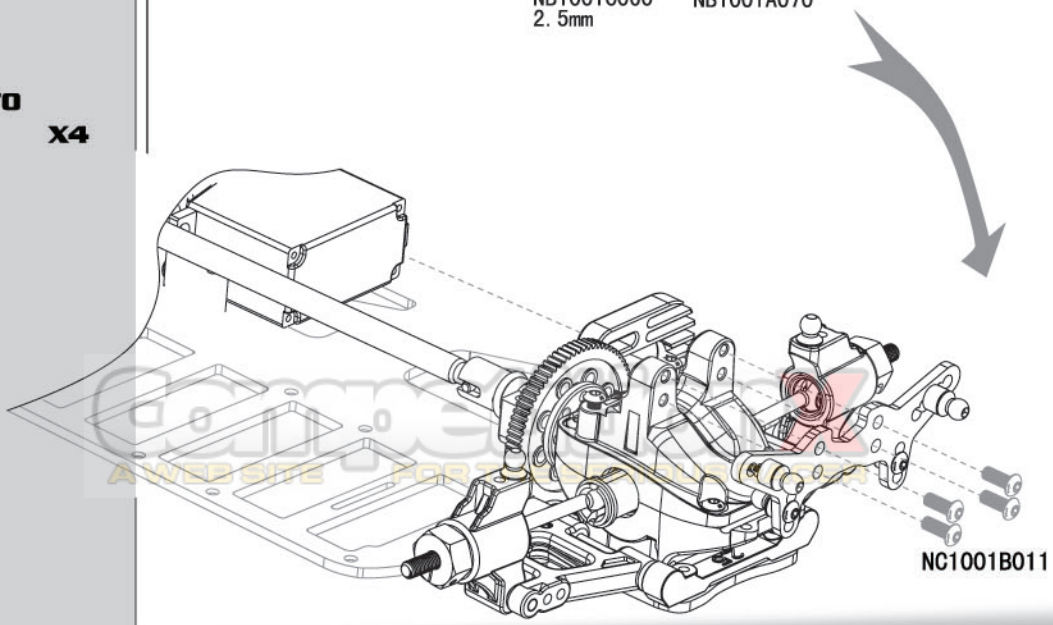

17

BB1001B059
M3X10mm X2

NC1001B011
M3X8mm X6

NB1001A070
3X8mm X4




A WEB SITE FOR RC CAR AND TRUCK

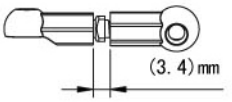
18

X14
NB1001C019

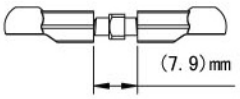
X2
NB1001A031
M3X12mm

X5
NB1001A032
M3X19mm

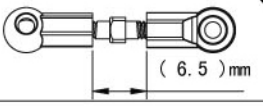
X2 NB1001A031 NB1001C019



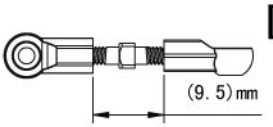

X2 NB1001A032 NB1001C019

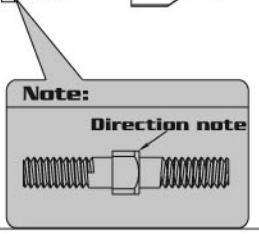


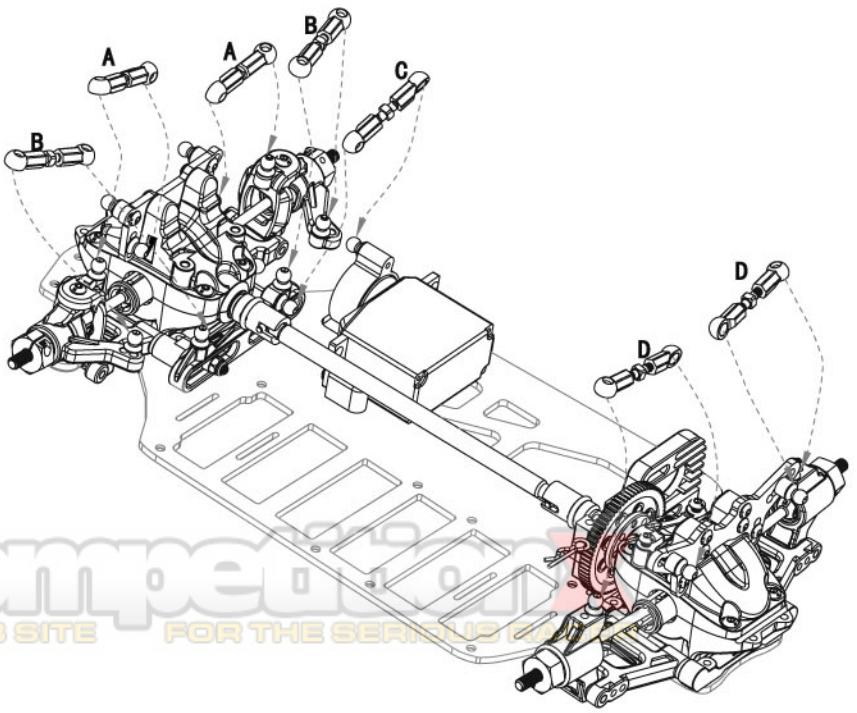

X1 NB1001A032 NB1001C019




X2 NB1001A032 NB1001C019




Competition
A WEB SITE FOR THE SERIOUS

X4
BB1001B014
M3X8mm

X4
NC1001B003
M3X6mm

X1
BB1001B063
M3X6mm

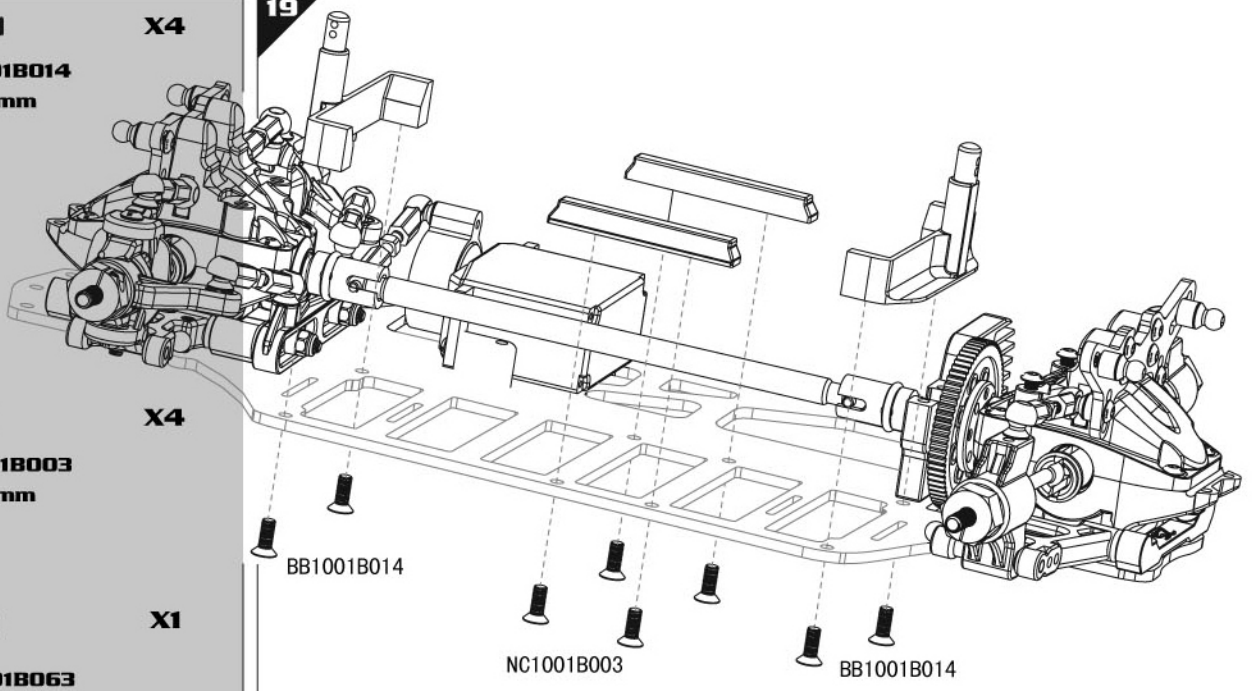
X4
NC1001B011
M3X8mm

X2
BB1001B002
M3X18mm

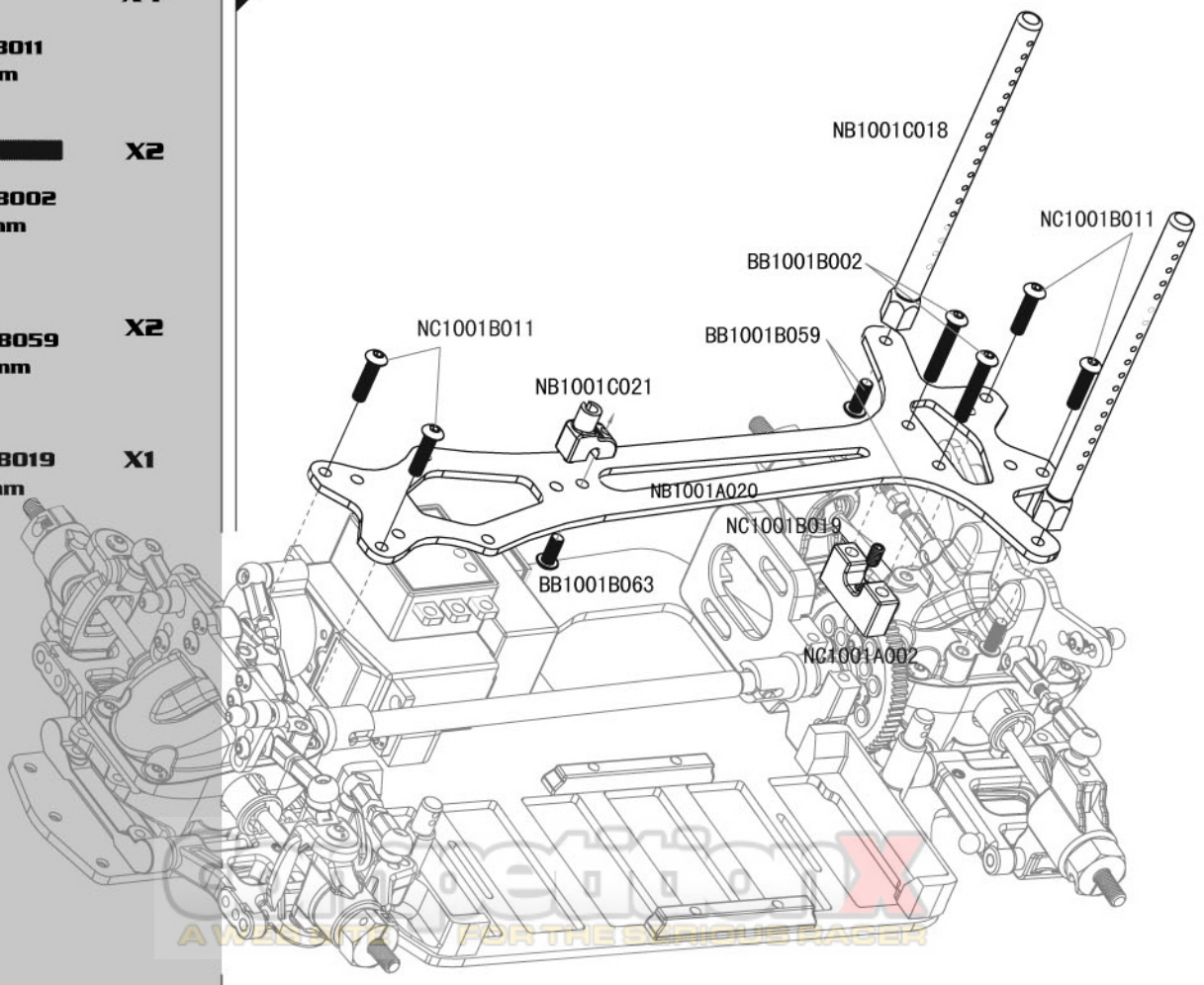
X2
BB1001B059
M3X10mm

X1
NC1001B019
M3X4mm

19



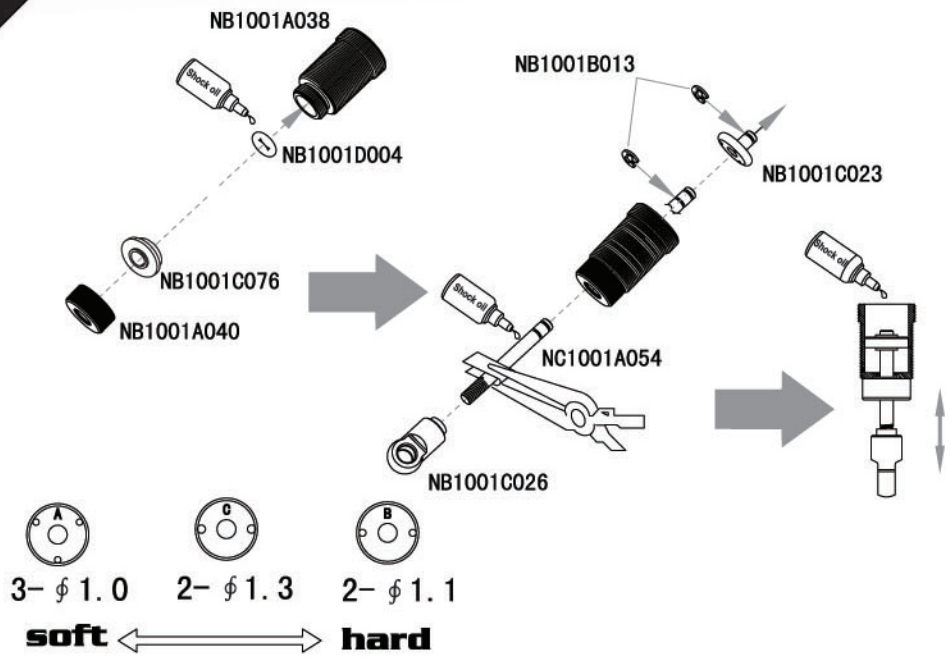

20



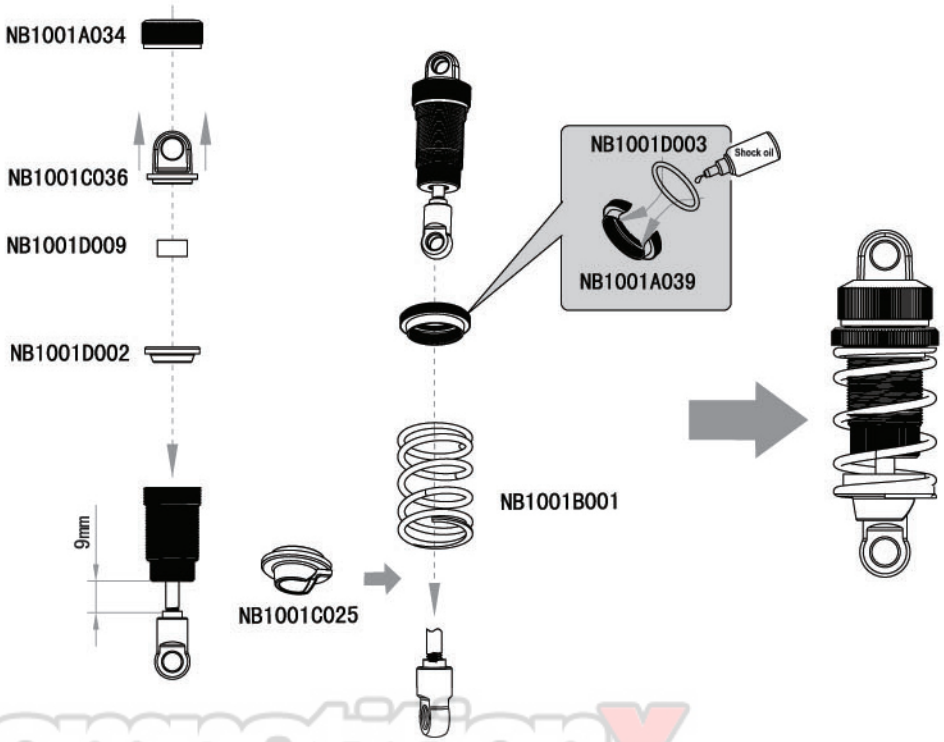

A WEBSITE FOR THE SERIOUS RACER

| | |
|---|---|
| NB1001A038 | X4 |
| NB1001A040 | X4 |
| NB1001B013 2X5X0.5mm | X8 |
| NC1001A054 | X4 |
| NB1001D004 2.9X6.6mm | X4 |
| NB1001C023 | X4 |
| NB1001C076 | X4 |
| NB1001C026 | X4 |
| NB1001B001 | X4 |
| NB1001A034 | X4 |
| NB1001A039 | X4 |
| NB1001D003 11X13X1mm | X4 |
| NB1001C036 | X4 |
| NB1001C025 | X4 |
| NB1001D002 | X4 |
| NB1001D009 | X4 |

21

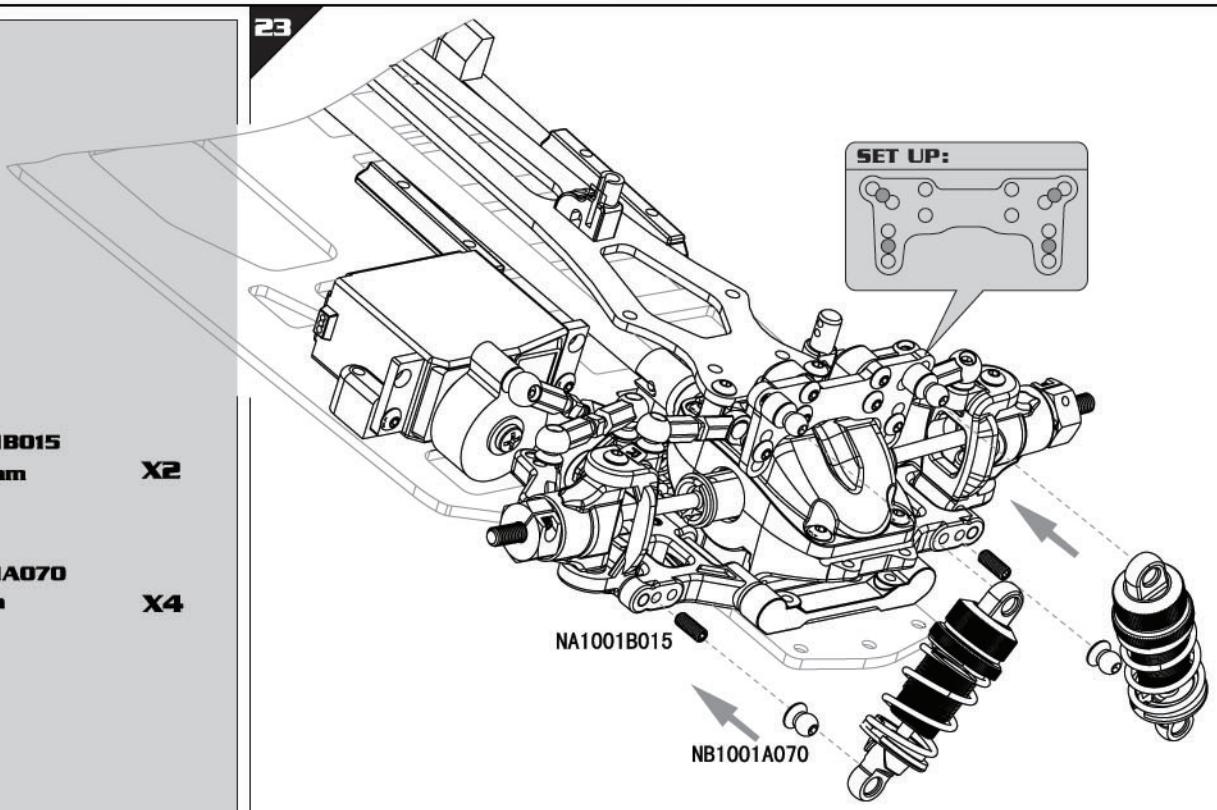



22




CompetitionX
A WEB SITE FOR THE SERIOUS RACER

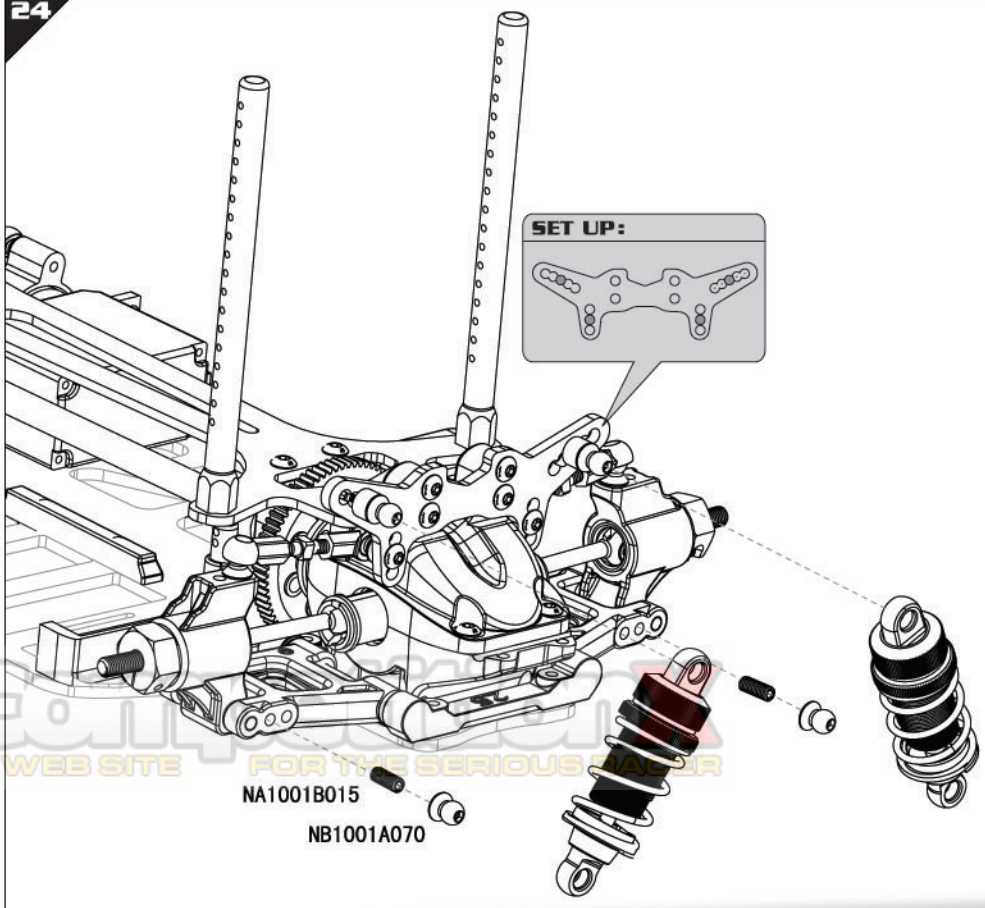
23




NA1001B015
M3X8mm X2

NB1001A070
3X8mm X4

24




NA1001B015
M3X8mm X2

NB1001A070
3X8mm X4

carpartsmart
A WEB SITE FOR THE SERIOUS RACER

25

X5

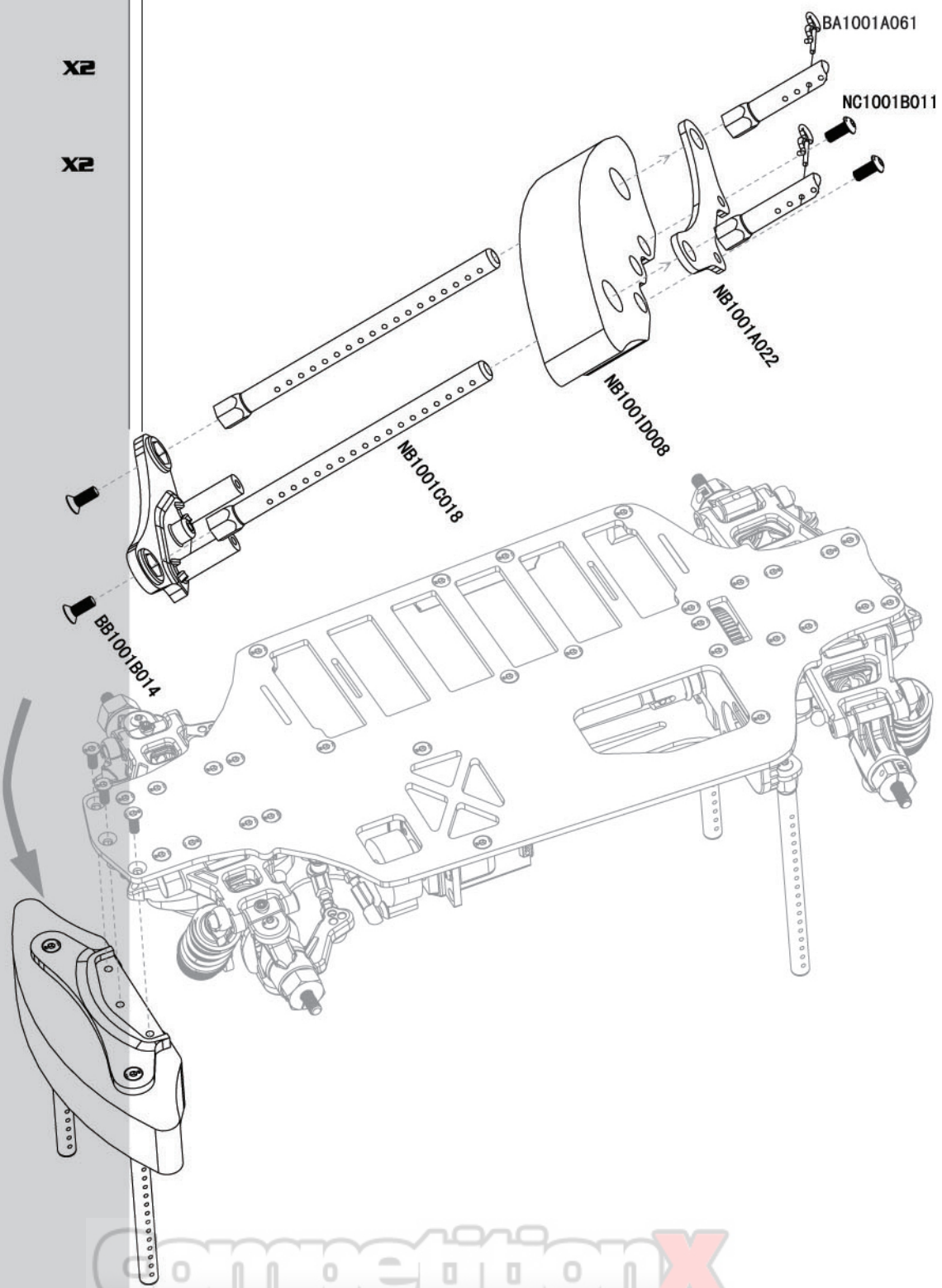
BB1001B014
M3X8mm

X2

BA1001A061

X2

NC1001B011
M3X8mm




competitionX
A WEB SITE FOR THE SERIOUS RACER

14

X1

BA1001B022
M3X3mm

X2

BA1001B046
M3X10mm

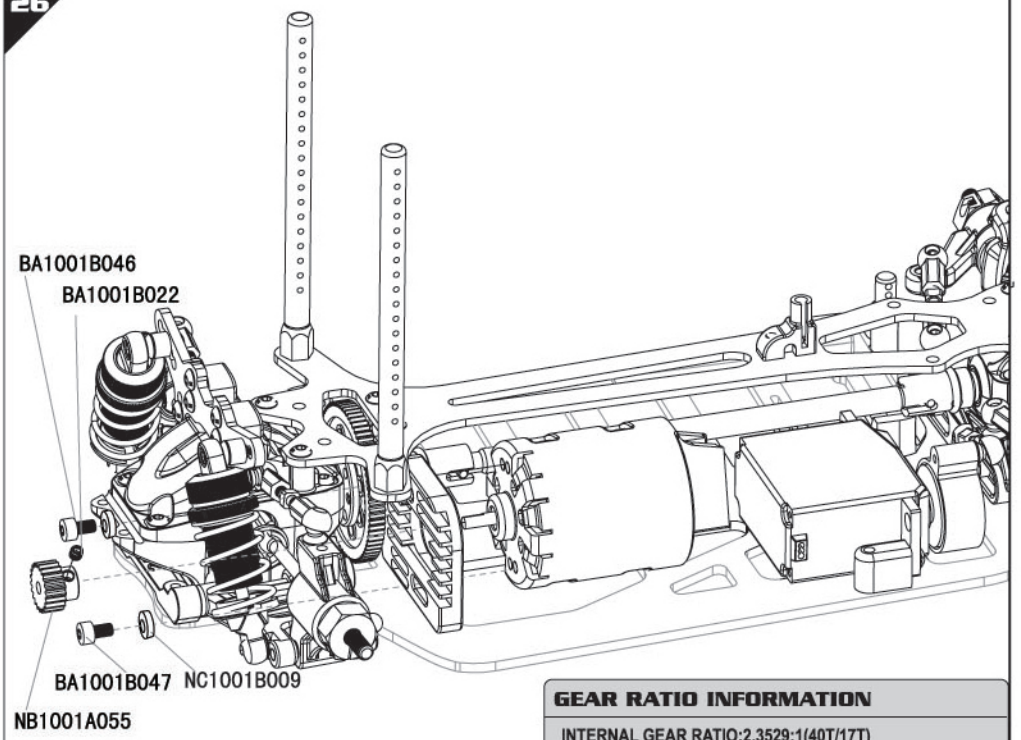
X1

NB1001A055

X2

NC1001B009
3X6.5X0.5

26




**GEAR RATIO INFORMATION**

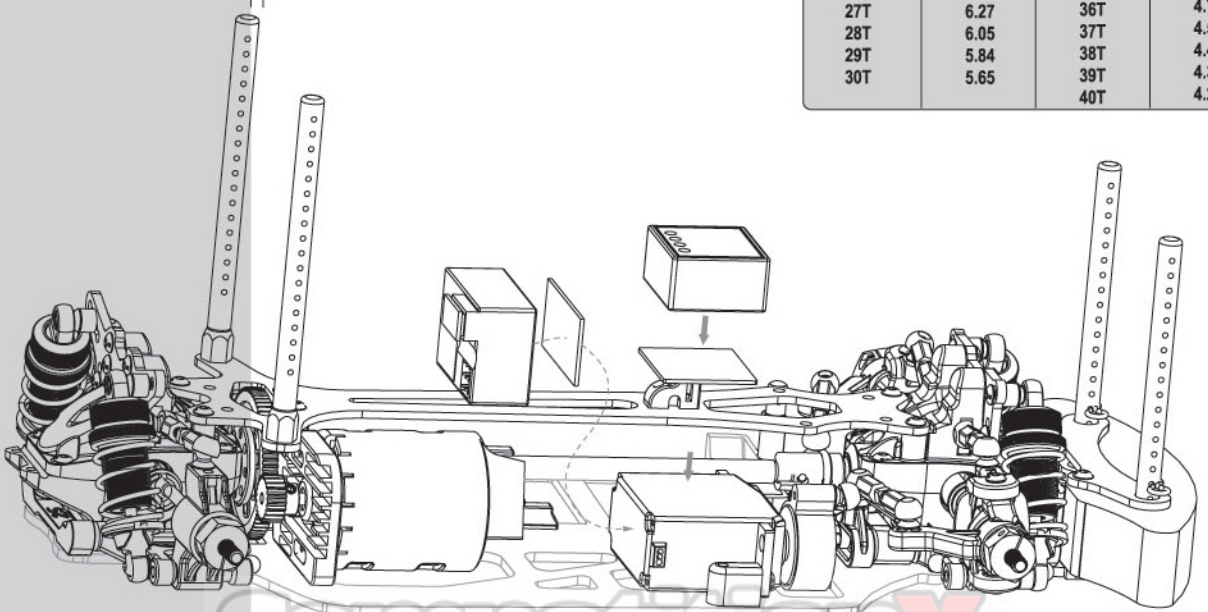
INTERNAL GEAR RATIO:2.3529:1(40T/17T)
SPUR GEAR:72T(48PITCH)
PINION GEAR:31T(48PITCH)
STANDARD GEAR RATIO:5.46
(1/10TOURING CAR GEAR RATIO)/(1.16)=NRX-12
GEAR RATIO

| PINION GEAR | GEAR RATIO | PINION GEAR | GEAR RATIO |
|---|---|---|---|
| 22T | 7.70 | 31T | 5.46 |
| 23T | 7.37 | 32T | 5.29 |
| 24T | 7.06 | 33T | 5.13 |
| 25T | 6.78 | 34T | 4.98 |
| 26T | 6.52 | 35T | 4.84 |
| 27T | 6.27 | 36T | 4.71 |
| 28T | 6.05 | 37T | 4.58 |
| 29T | 5.84 | 38T | 4.46 |
| 30T | 5.65 | 39T | 4.34 |
| | | 40T | 4.24 |

**RECOMMENED GEARING**

STOCK27T 5.46~5.13
STOCK23T 5.84~5.29

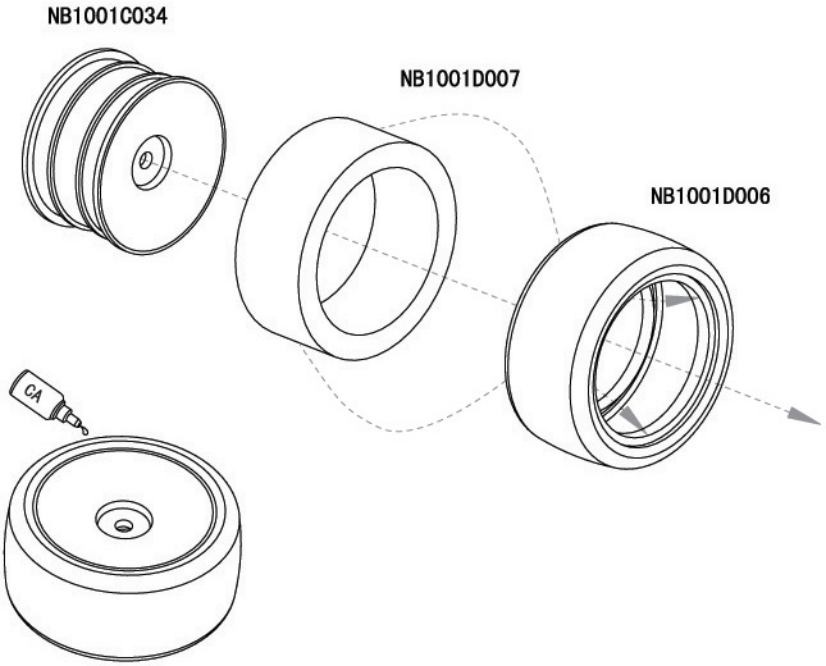
27



CompetitionX
A WEB SITE FOR THE SERIOUS RACER

28

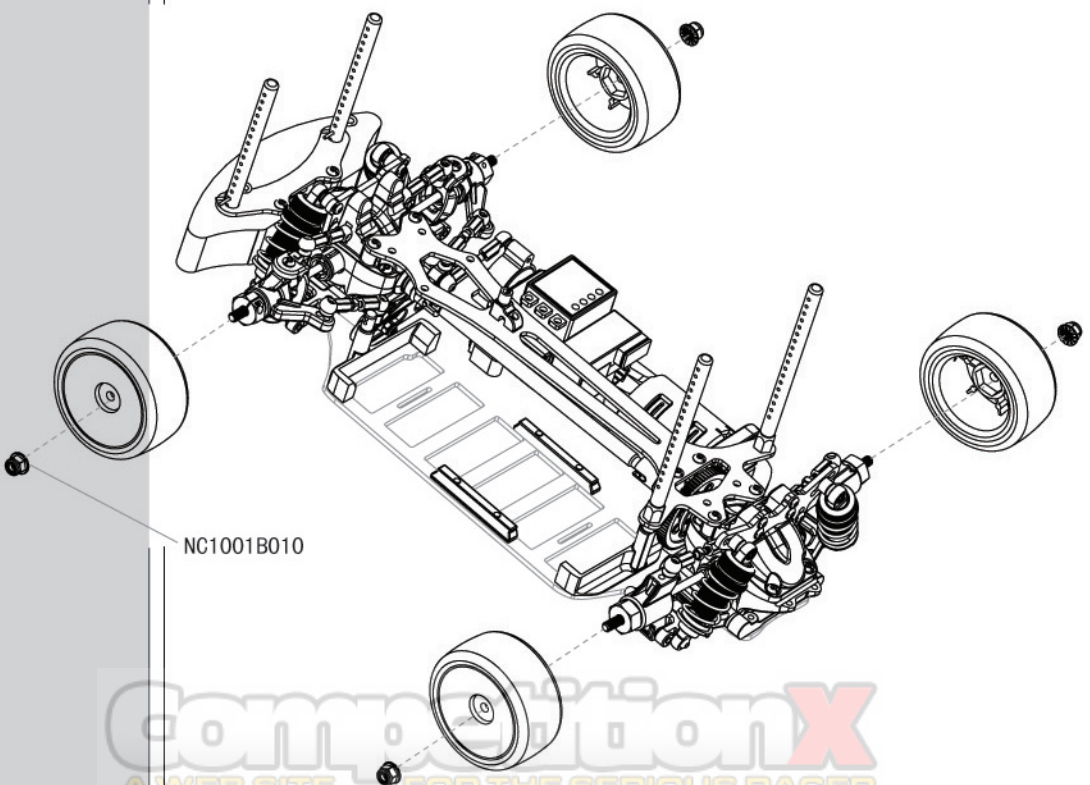
X4




29

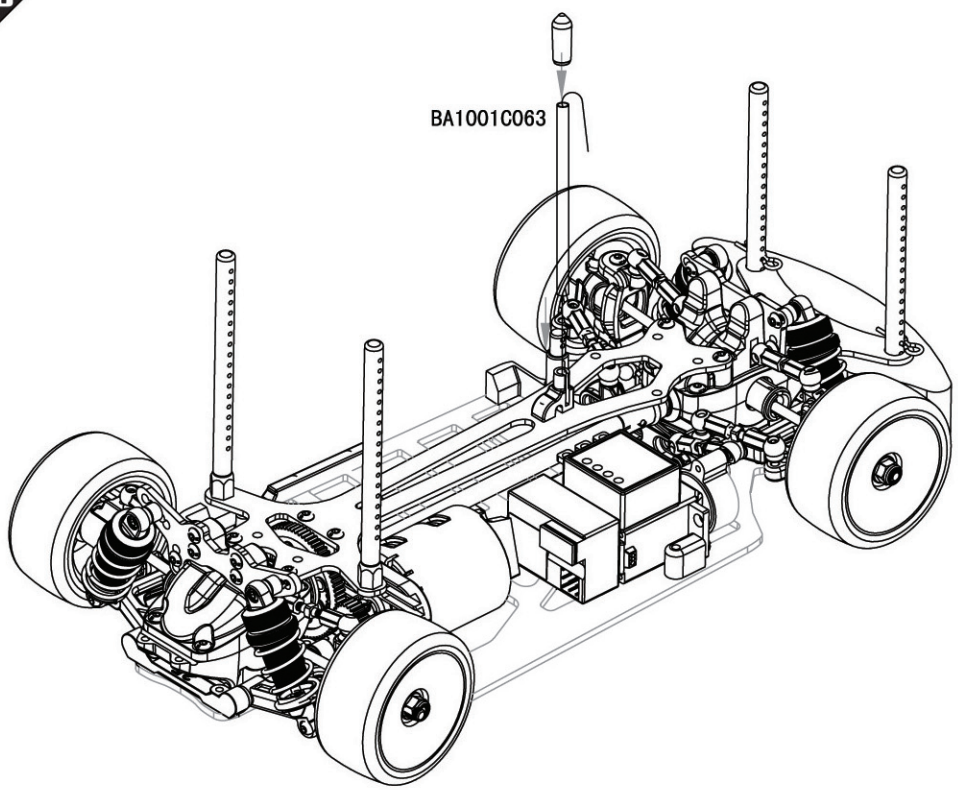
X4

NC1001B010
M4

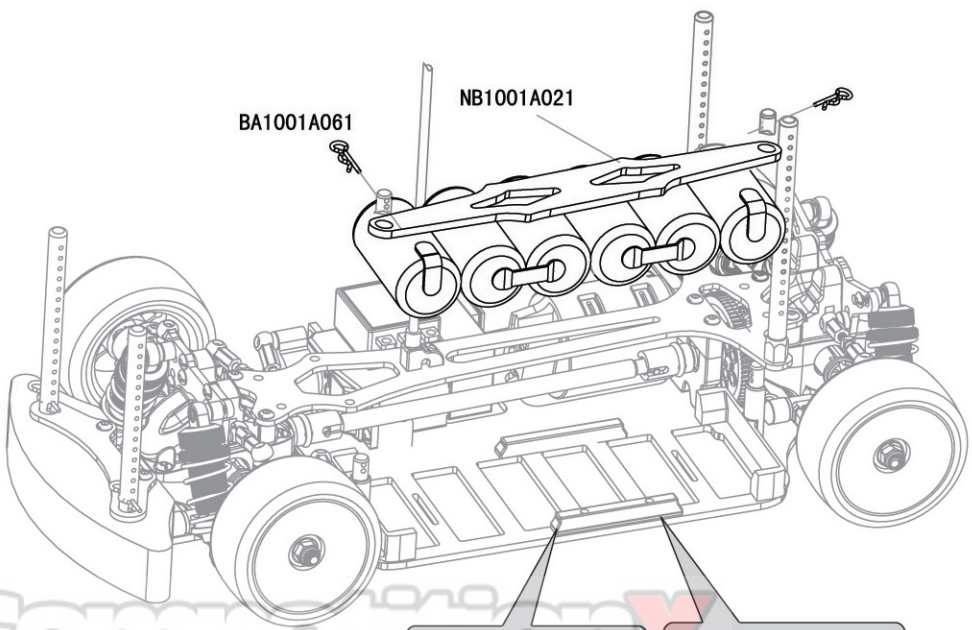



CompetitionX
A WEB SITE FOR THE SERIOUS RACER

30




31




NOTE:
If use LiPo battery
disuse this

NOTE:
Compatible with LiPo battery
L: 138mm
W: 46mm
H: 25mm

X2

BA1001A061

CompetitionX
A WEB SITE FOR THE SERIOUS RACER

X8

BA1001A061

X2

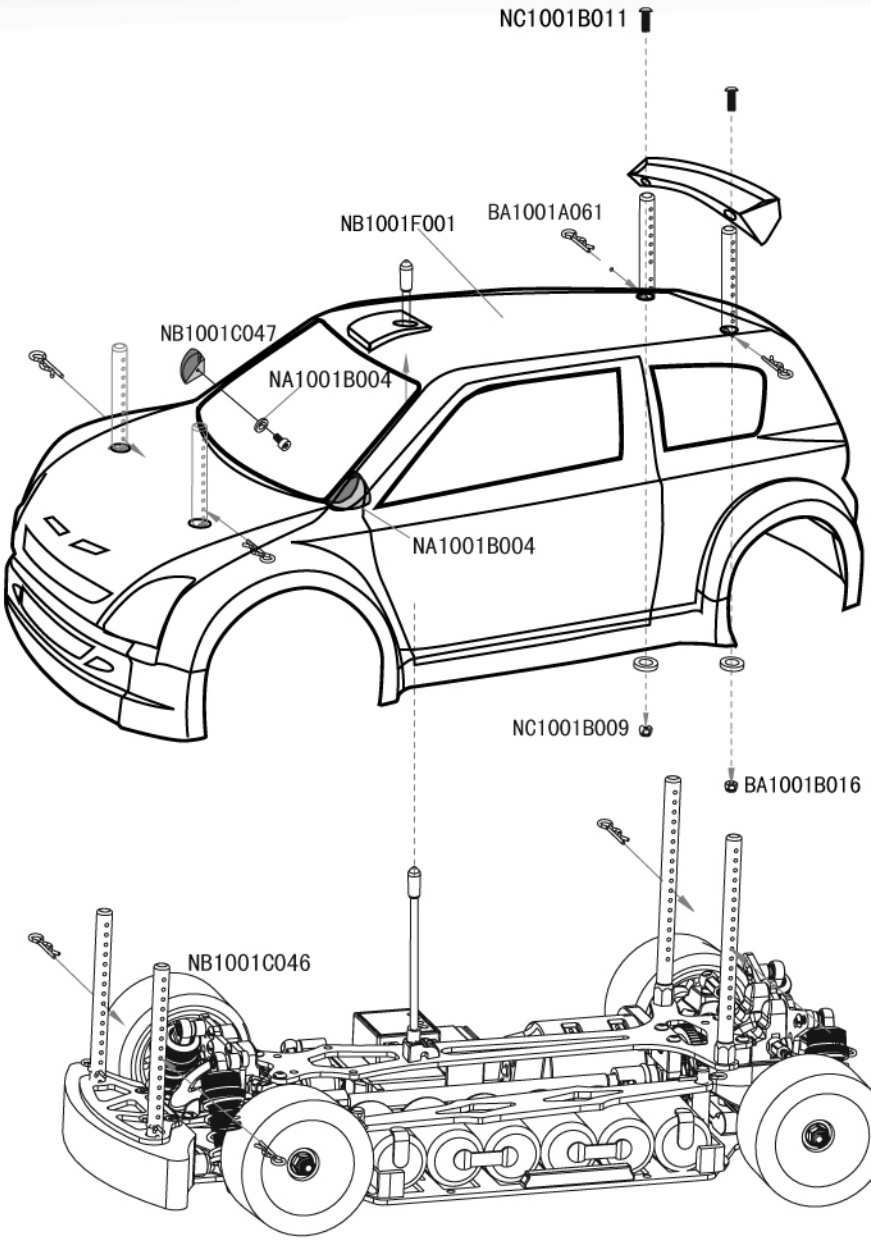
NC1001B011
M3X8mm

X2

BA1001B016
M3

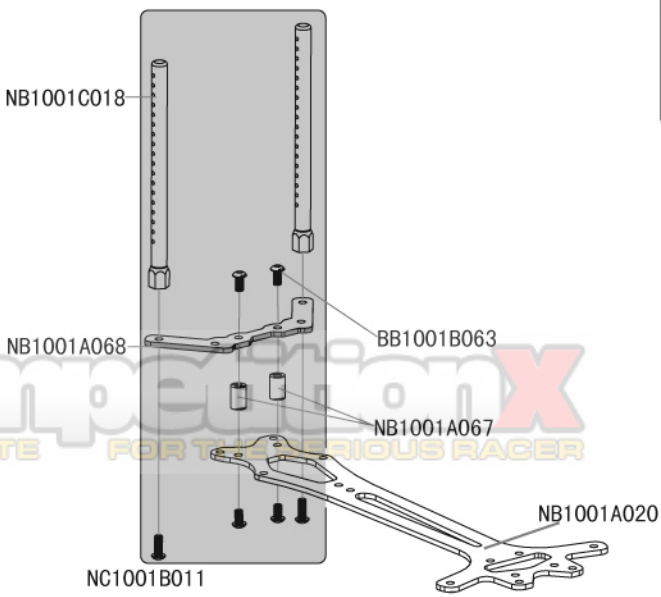
ML1001B007
M2X6 X2

32




**OPTION:**

Part NO:NB3003
Fron body post set is used for other M chassics bodies




CompetitionX
A WEB SITE FOR THE SERIOUS RACER

Please keep this OPERATING INSTRUCTION MANUAL for reference

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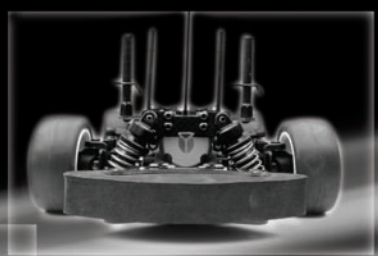
Http:// www.nandaracing.cn



RCCollectionX
A WEB SITE FOR THE SERIOUS RACER

www.nandaracing.cn