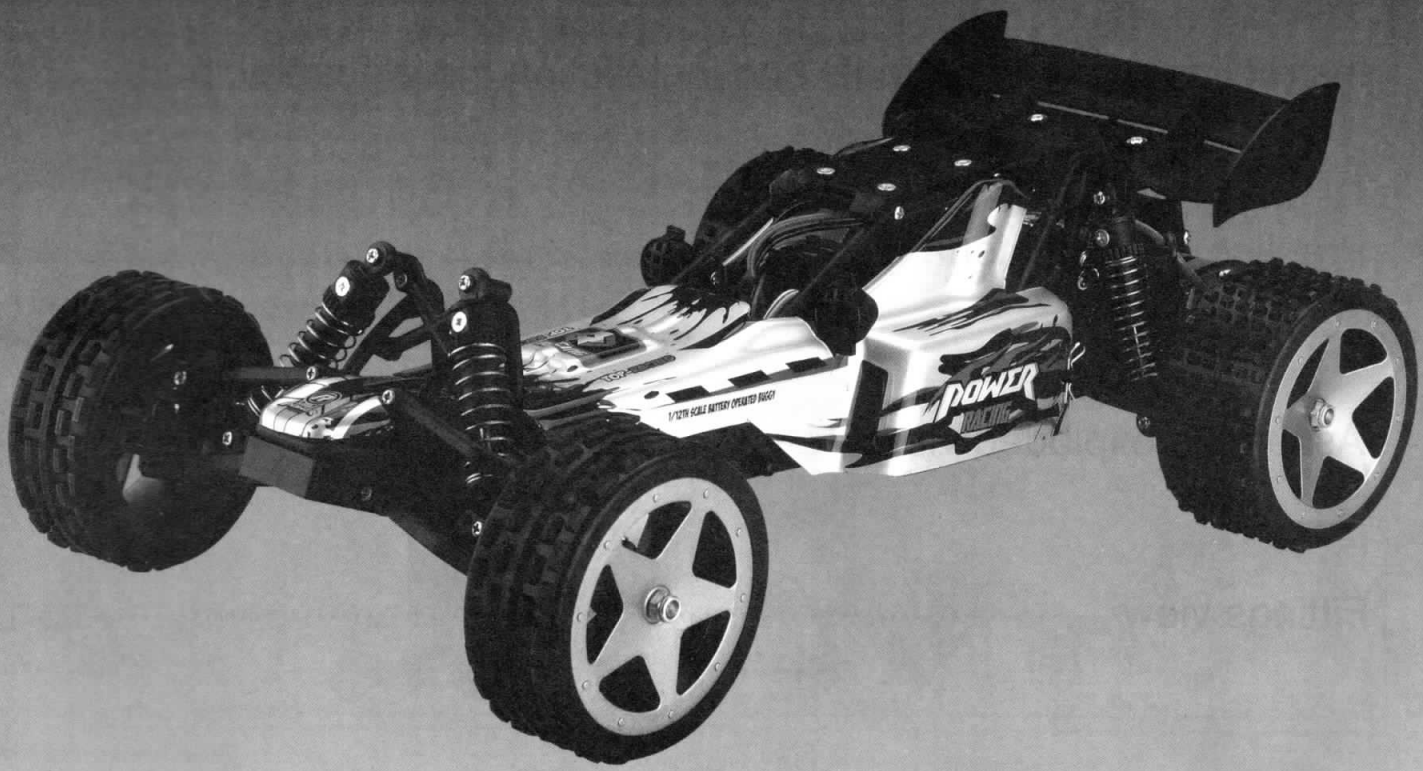
1:12 Scale R/C Buggy Model
Using Instruction



Caution:This model is not a toy,It is designed for user over 14 years of age.

Please use this instruction and the R/C system instruction at the same time.

The instruction is suitable for a type of modle whose number is L959.

Safety and caution 1

Troubleshooting • Product introduction 2

Instruction of common tools and installation the electronic part.....3

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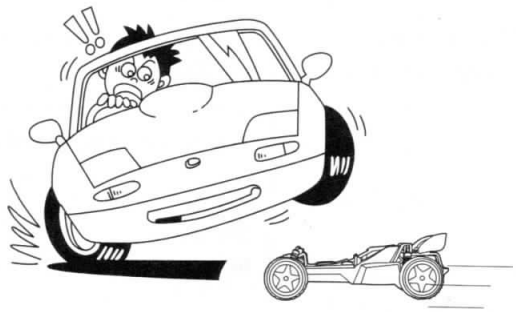
Assemble exploded view 6-14

Fittings view 15-17

Safety and Cautions

*Never run the model on public roads or streets,as it could endanger traffic.
*Never run the model in crowded areas,near or toward people or animals,to prevent property damage and/or personal injury.
*Never run the model near rivers,ponds or lakes as to prevent R/C car from dropping into the water.
*Make sure that no one else is using the same frequency as yours in your running area.Using the same frequency at the same time, whether it is driving,flying or sailing,can cause loss of control with R/C model,resulting in serious accidents.
*To avoid a runaway R/C model or loss of control,always follow the procedure below:
1.Fully extend transmitter antenna.
2.Switch on transmitter.
3.Switch on R/C model.
*Follow reverse procedure to shut down.
*Never touch or hinder rotating tire.
*Never run R/C model in the rain or let run over puddles,as water may cause trouble with R/C model.
*Motor and battery get very hot after running.Take care when handle them.
*Retract transmitter antenna when not in use.
*Remove the batteries from madel and transmitter when they are not in use.

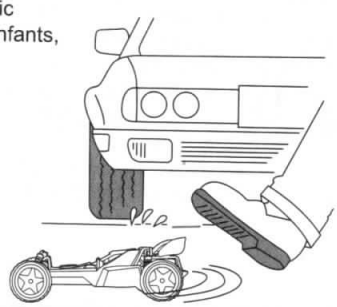


Cautions when handling batteries

*Do not dismantle the battery or charger and do not cut any battery cables.This may cause short-circuit and/or damage to the product.
*Change battery with compatible charger following proper procedure that is called out in the instructions.Do not modify charger or charge battery in improper way.
*Do not recharge battery that is still warm from use as it may damage the battery.Allow the battery to cool off prior to recharging.
*Make sure to disconnect charger cables from R/C model and electric outlet when not in use.
*Remove transmitter battery when not using it for a long time as it may leak and damage transmitter when left for a long period.
*Never incinerate used batteries,as they can explode causing serious accidents.

Safety precautions

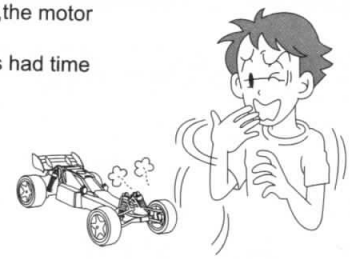
Do not operate the model on public roads,in crowded places or near infants, it may cause accidents or injury.



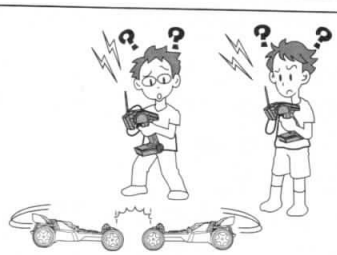
As the product includes small and sharp parts,assemble and store this product only in places out of the reach of children.

As the front end of the antenna may be dangerous,do not aim it toward faces.

During the car running and after,the motor will be hot.
Please do not touch it until it has had time to cool down.



Don`t use the same frequency with others at the same time.Or the car will lose control or even lead to serious accidents.



Troubleshooting

Description	Cause	Solution
The car does not operate at all.	Transmitter or receiver is off.	Turn on both transmitter and receiver.
	Batteries are not placed properly in the transmitter.	Place batteries in the transmitter properly.
	The drive battery is not charged enough.	Charge the drive battery.
The car does not follow your operation and control distance not enough long.	Someone else is using the same radio frequency as you are using.	Charge your radio frequency to the one no one else is using,wait until the driver using the same radio frequeny finishes driving,or drive your car at a different place.
	There is not enough power in the transmitter or receiver batteries.	Replace the transmitter batteries with new ones and charge the drive battery.
	Not tighten antenna on the transmitter/not fully extend antenna.	Make sure insert antenna into the transmitter and fully extend antenna.

CAUTION

* Please observe the operation manual or packing explanation to install and use,and some parts should be installed by adults.
* The product contains small part,it may cause swallow or choke.
* Never run an R/C model in the seeper or rain,moisture areas,or it may cause the parts malfunction.
* Please throw the wrapper in time to avoid danger for the children.
* Regularly examine for damage to the charge,wire,plug, bodyshell or other parts.In the event of any damage,it must not be used until the damage has been repaired.
* The charge,battery box and battery must insert with the appointed power source of product symbol same.
* This product must only be used with the original collocation charger.
* The product is contains the functional outshoots are may be dangerous to the children.
* Apart the charger and toy before clean.
* As the front end of the antenna may be dangerous,do not aim it toward anyone's body,face or eyes.
* Batteries are to be inserted with the correct polarity.
* Use the "AA" non-rechargeable or "AA" rechargeable batteries.
* Non-rechargeable batteries are not to be recharged.
* Rechargeable batteries should only be charged under adult supervision.
* Rechargeable batteries must be removed from model before charger.
* Different types of batteries or old and new batteries are not to be mixed.
* Exhausted batteries are to be remove in time.
* The supply terminals are not to be short-circuited.
* Never short circuit the batteries. throw it in a fire or attempt to open their outer casings.
* Please remove the batteries when not in use.
* Please retain these instructions for future reference.

Product Introduction

Vehicle size parameters

a.Car length 348mm
b.Vehicle width 230mm
c.Vehices 115mm
d.Wheelbase 250mm
e.Tread 170mm
f.Tire diamater 76mm
g.30mm wide front wheel
h.Rear wheel width 36mm

Vehicles configure

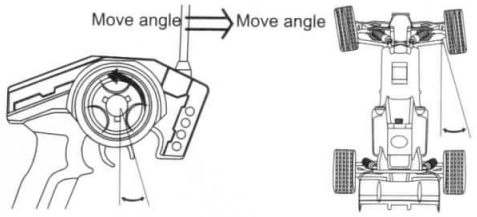
a. remote control and receive the way wireless and 2.4G two configurations
b.The full-scale remote
c.motor uses 380
d.Lithium iron battery7.4V1500MA
e.entire vehicle engineering plastics
f.four-wheel independent suspension
g.rubber tires
h.driven approach to two drive
i.rear wheel gear differential
j.metal contacts Cup
k.car shell coating explosion-proof PVC

Vehicle performance

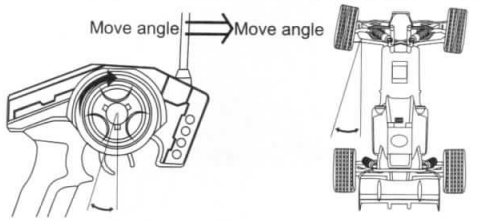
a vehicle speed 40KM / H
b vehicle's handling venue to the ground, sand, grass
c. continuous manipulation of time in more than ten minutes
d. accessories can be upgraded

Proportional R/C Using Instruction

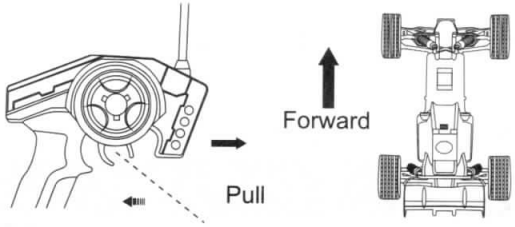
① Turn left the steering wheel,the car will turn left.Turing left angle can be adjusted by the degree of wheel twisting.



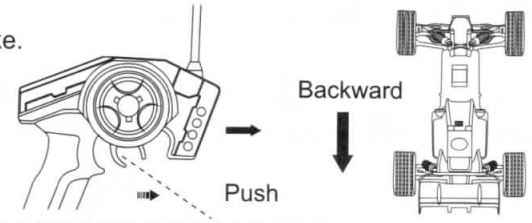
② Turn right the steering wheel,the car will turn right.Turing right angle can be adjusted by the degree of wheel twisting.



③ Pull the throttle trigger backward,the car will forward.Adjusting the angle of throttle trigger can adjust forward speed of the car.During the car forward,quickly push the trigger forward to stop it.



④ Loosen the trigger to make it return the neutral position when brake. Push the throttle trigger forward,the car will backward.Adjusting forward angle of throttle trigger adjust backward speed of the car.

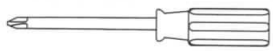


Introduce the common tools and assemble the electron parts

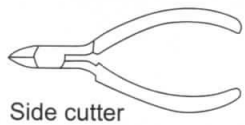
Tools needed for assembly

Turret spanner

Hobby knife

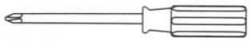


Philips type screwdriver(Small)

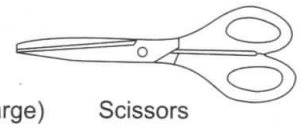


Side cutter

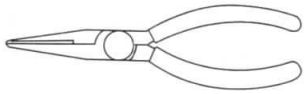
Instant mucilage glue



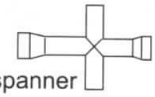
Philips type screwdriver(Large)



Scissors



Needle nose pliers

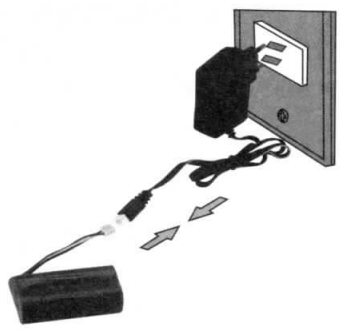


Crossed spanner

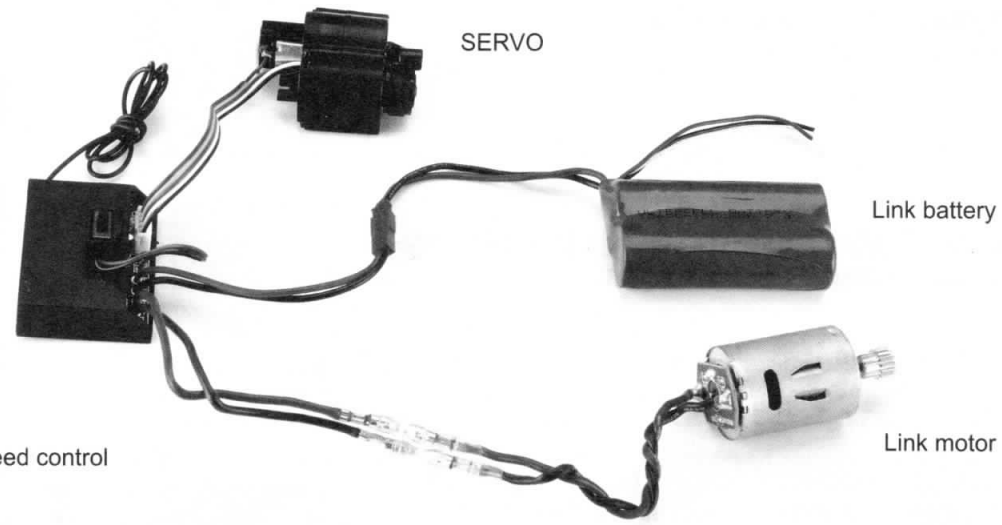
Charge caution

CHARGING BATTERY

1)Please firstly check and confirm input voltage of the charge is consistent with local voltage,output voltage of the charge is consistent with battery voltage.
2)Battery must be used up before you charge, Charging time is not more than 5 hours.
3)Be careful to make sure there is adult to control when charging.



Assemble the electron parts



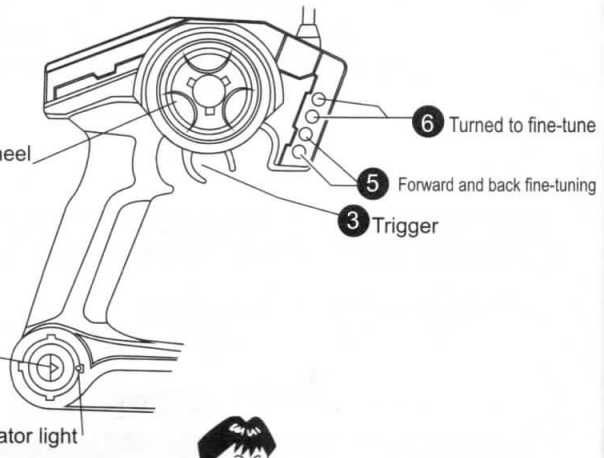
PRACTICE AND MAINTENANCE

Operating program

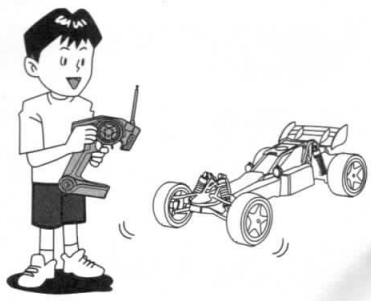
1>Turn on the switch ❶ of transmitter and make sure the power indicator is ❷ steady light,then turn on the car.

2>Put the car on the frame or stand.If wheel is running self-motion, adjust the trim ❺ of transmitter until the wheel is still.

3>Slip the trigger ❸ of transmitter slowly,you can observe the car whether it can go ahead or go back.

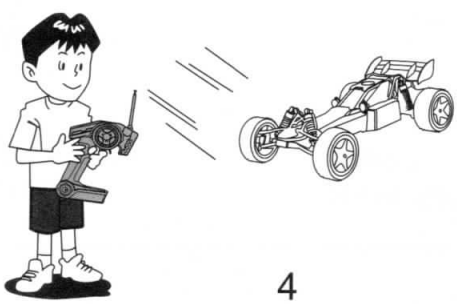


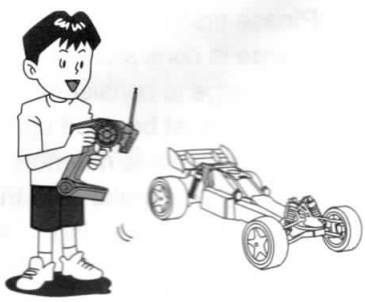
4>Turn steering adjusting wheel ❹ of transmitter to left or right,and make sure the steering of front wheels follow the instruction.



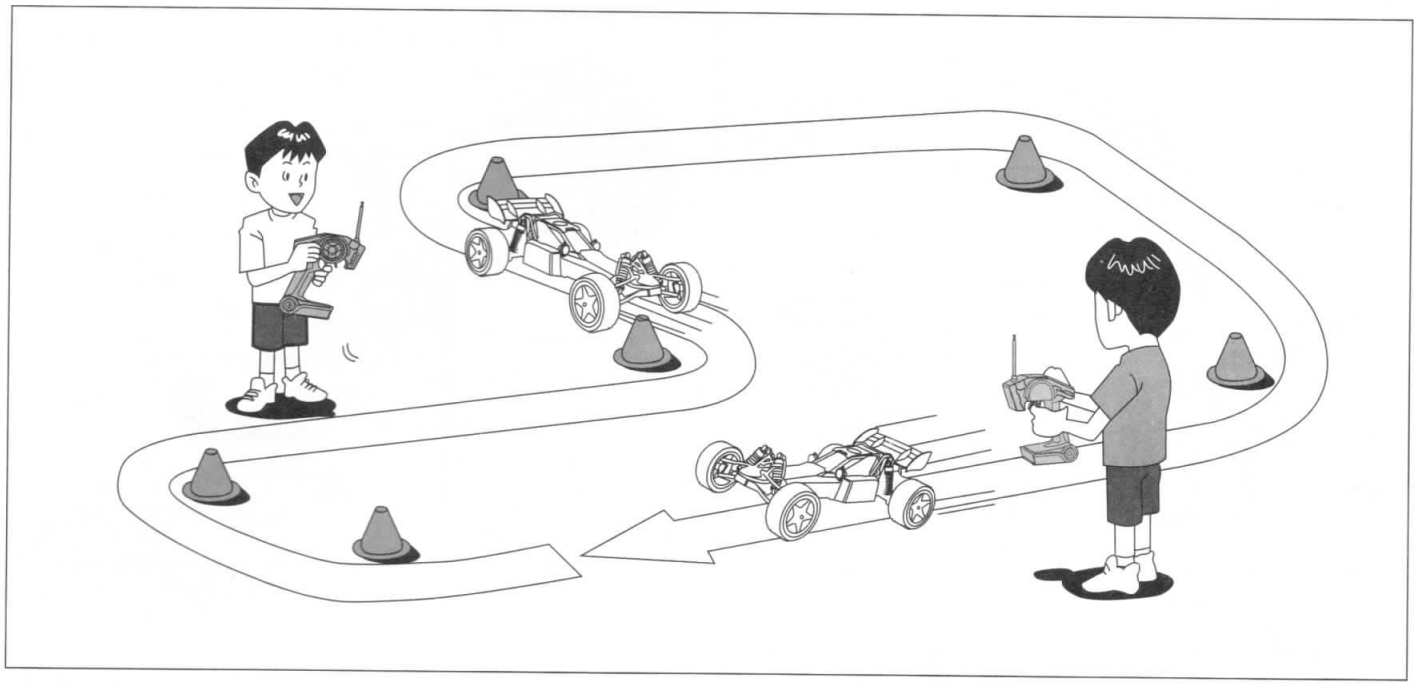
5>Put the car on the ground and stand behind the back of the car. Squeeze the throttle trigger ❸ of transmitter gently.If the car does not move in a straight line,you can adjust the trim ❻ of transmitter until the car moves in a straight line.

6>OK,ready to run.



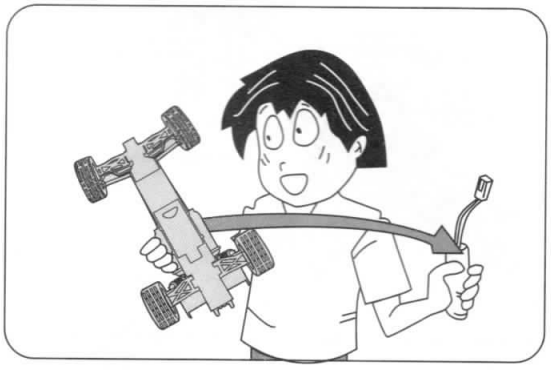


Practice

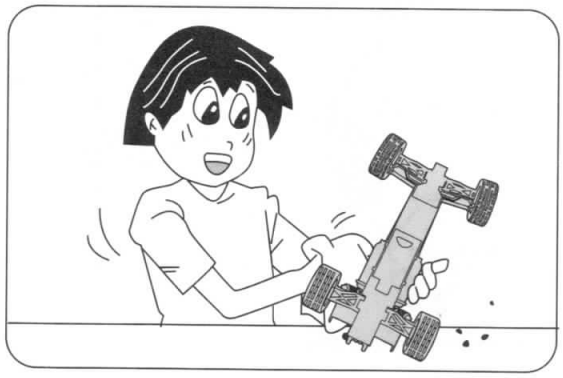


Let's practice!Make R/C car circuit at a wide and safe location using corner pylons(separately available),empty cans or such.Running fast at straight section and slow down at curved section is a basic speed control technique useful when driving R/C car.

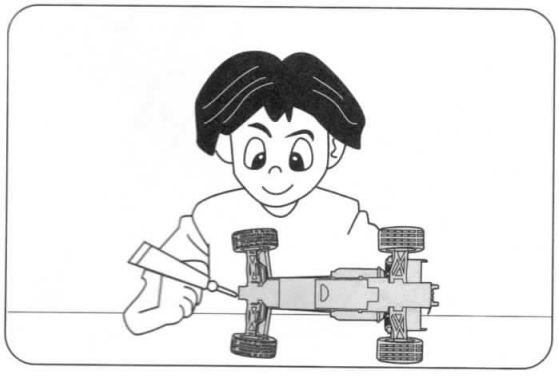
Maintain



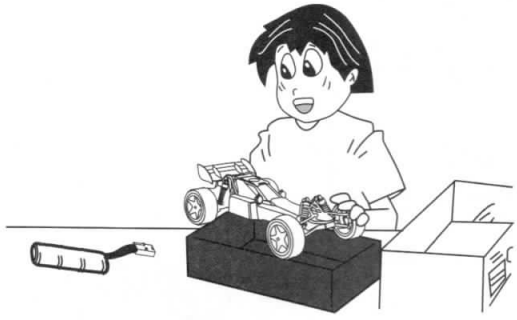
When the car is not in use,you should remove the battery from the car.



Completely remove sand,mud,dirt etc.

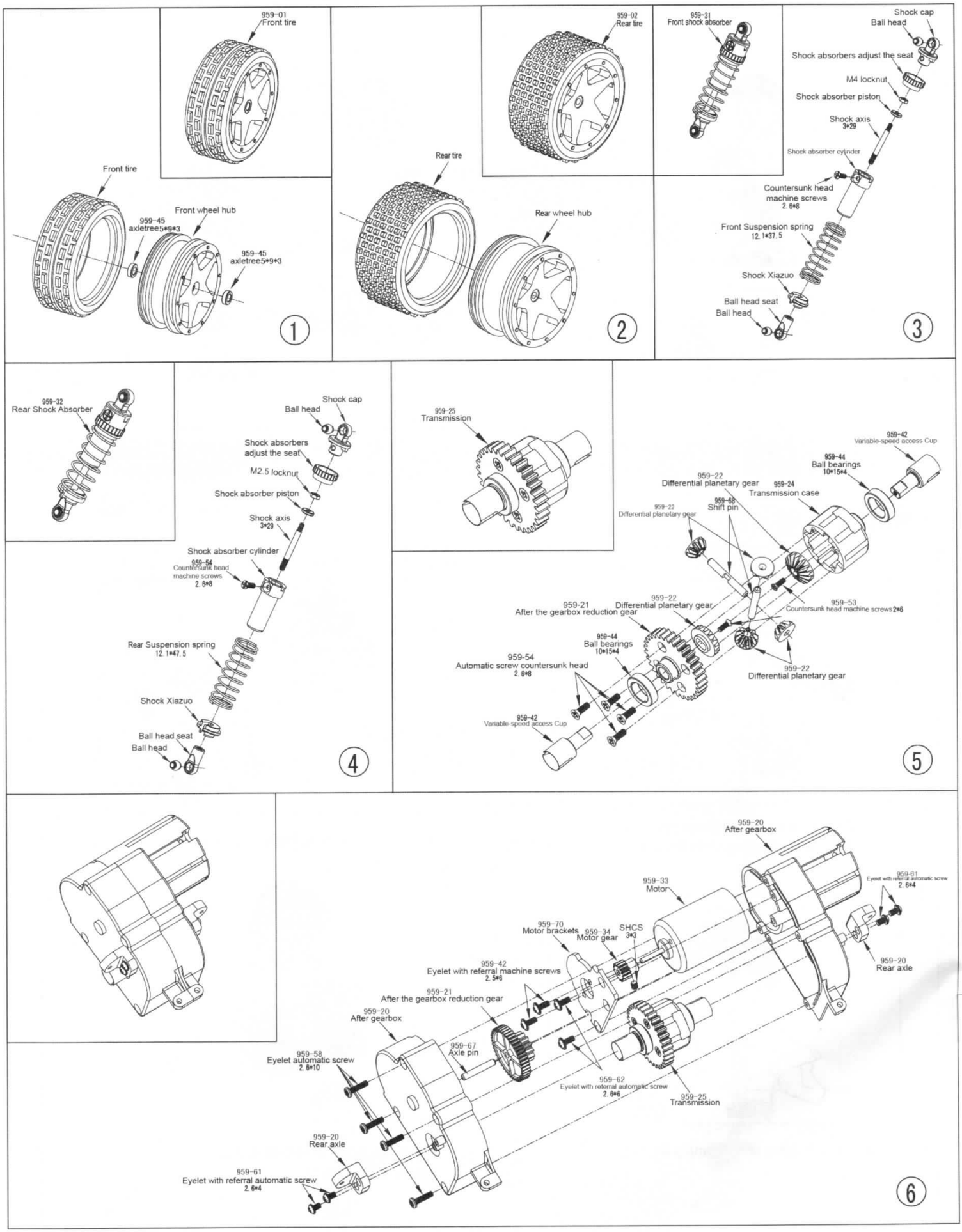


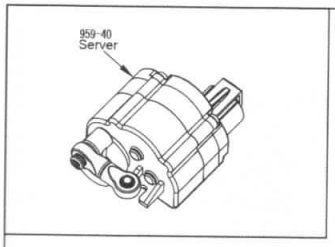
Metal outside should apply the rust prevention oil.

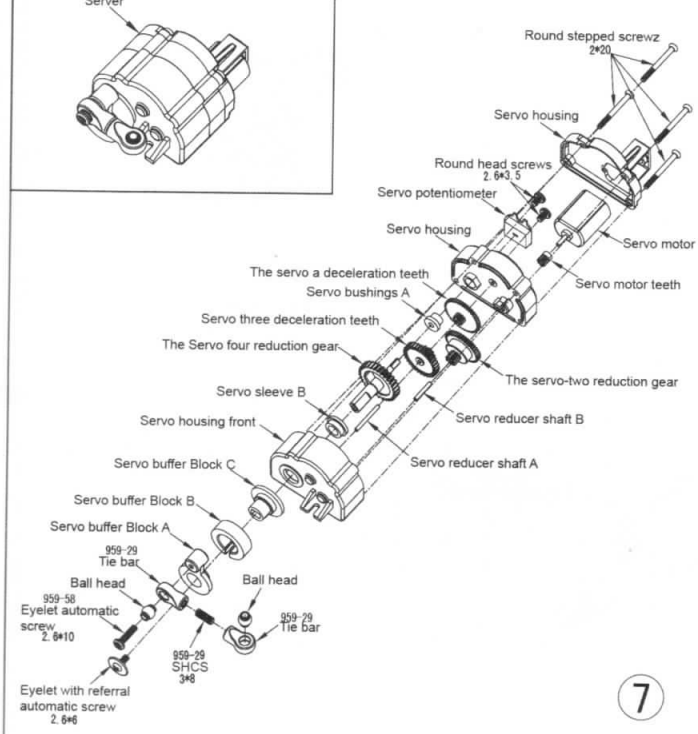


Store the car and batteries separately when not in use.

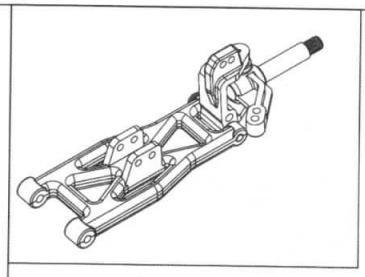
Assembly Exploded Diagram

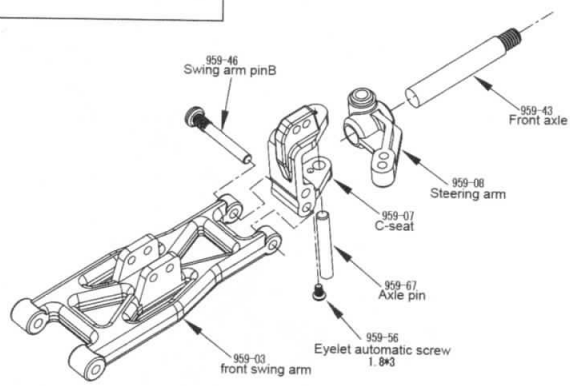



959-40
Server

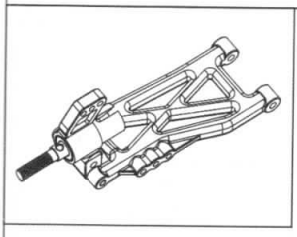

Round stepped screwz
2*20
Servo housing
Round head screws
2.6*3.5
Servo potentiometer
Servo housing
Servo motor
The servo a deceleration teeth
Servo motor teeth
Servo bushings A
Servo three deceleration teeth
The Servo four reduction gear
The servo-two reduction gear
Servo sleeve B
Servo reducer shaft B
Servo housing front
Servo reducer shaft A
Servo buffer Block C
Servo buffer Block B
Servo buffer Block A
959-29
Tie bar
Ball head
Ball head
959-58
Eyelet automatic
screw
2.6*10
959-29
Tie bar
959-29
SHCS
3*8
Eyelet with referral
automatic screw
2.6*6

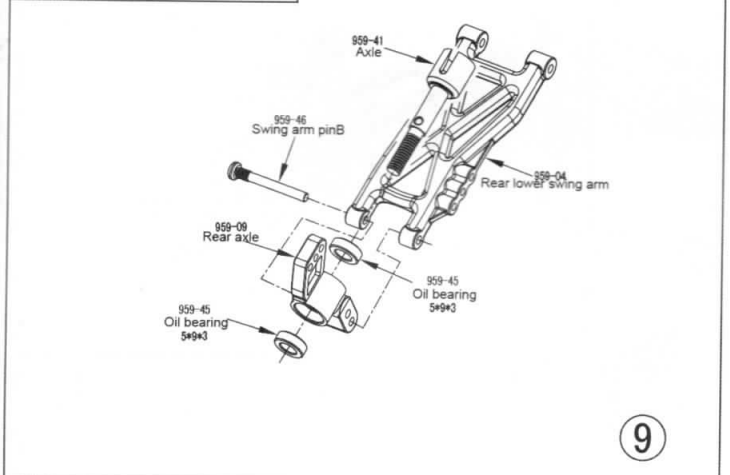
7



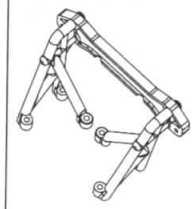

959-46
Swing arm pinB
959-43
Front axle
959-08
Steering arm
959-07
C-seat
959-67
Axle pin
959-56
Eyelet automatic screw
1.6*3
959-03
front swing arm

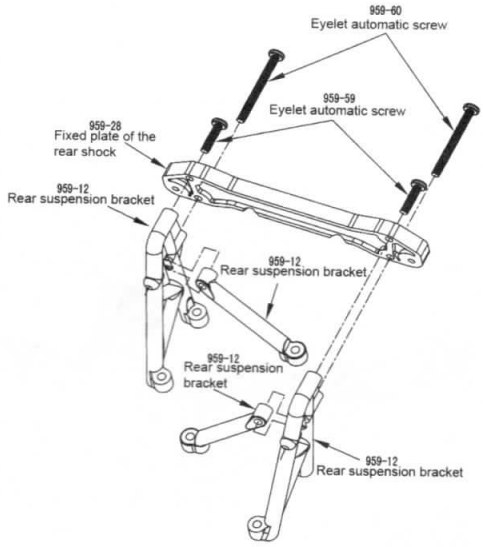
8



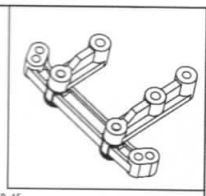

959-41
Axle
959-46
Swing arm pinB
959-04
Rear lower swing arm
959-09
Rear axle
959-45
Oil bearing
5*9*3
959-45
Oil bearing
5*9*3

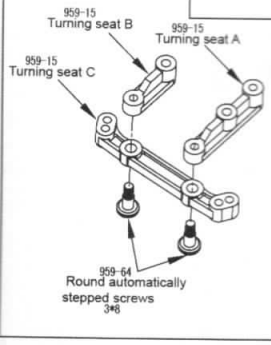
9



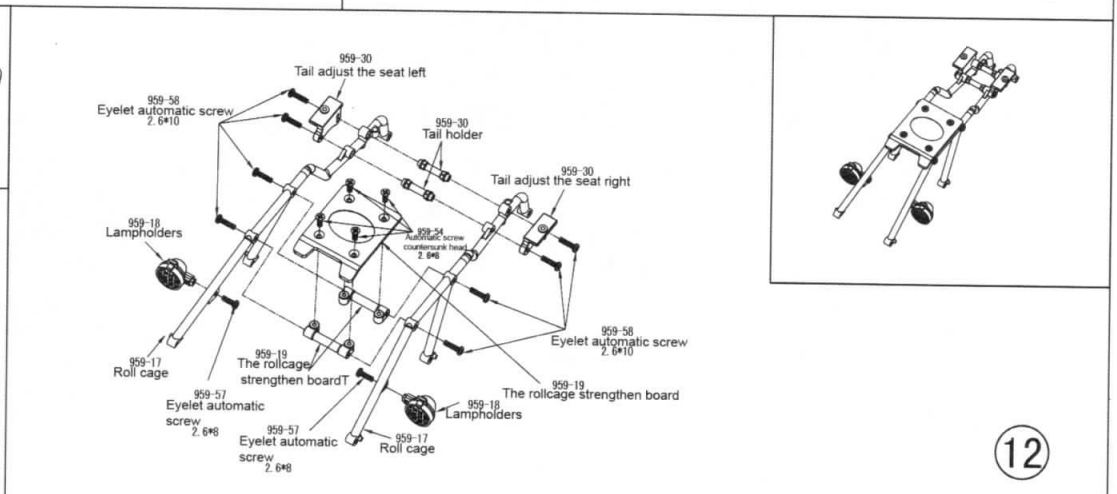

959-60
Eyelet automatic screw
959-59
Eyelet automatic screw
959-28
Fixed plate of the
rear shock
959-12
Rear suspension bracket
959-12
Rear suspension bracket
959-12
Rear suspension
bracket
959-12
Rear suspension bracket

11

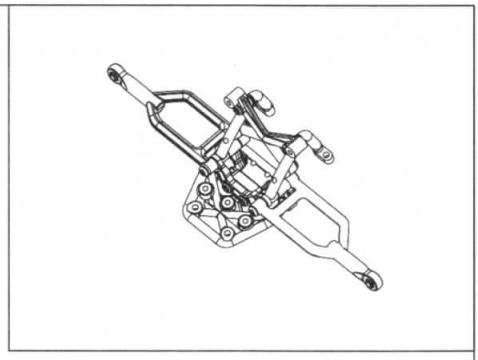


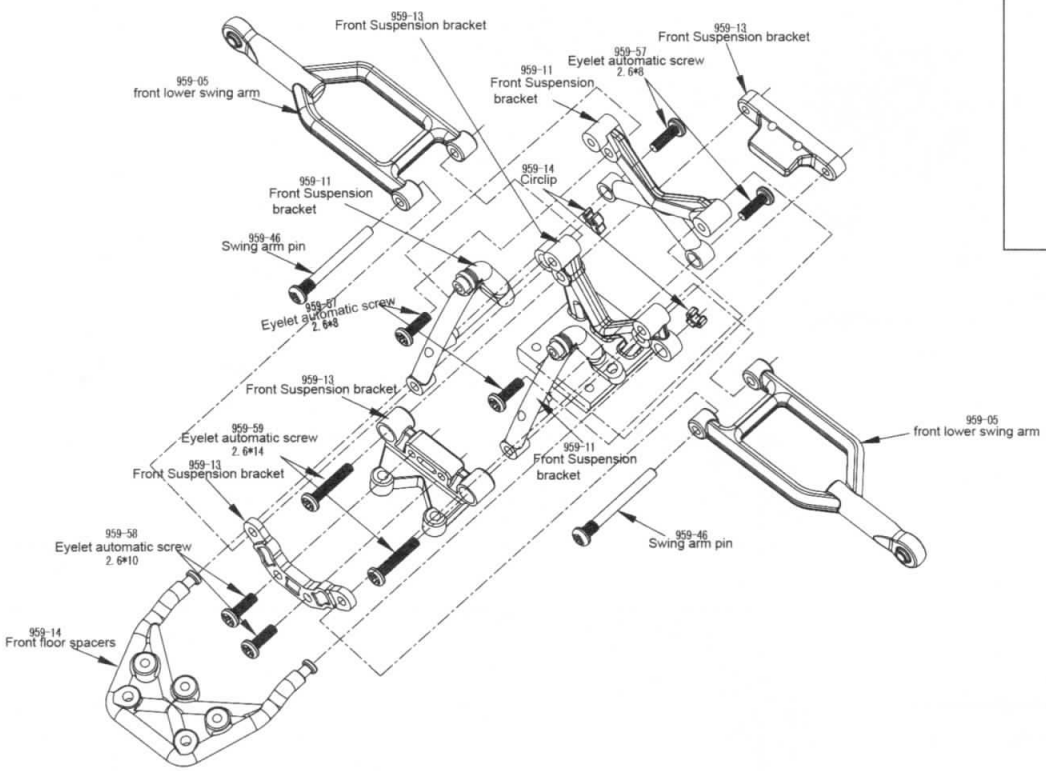

959-15
Turning seat B
959-15
Turning seat A
959-15
Turning seat C
959-64
Round automatically
stepped screws
3*8

10

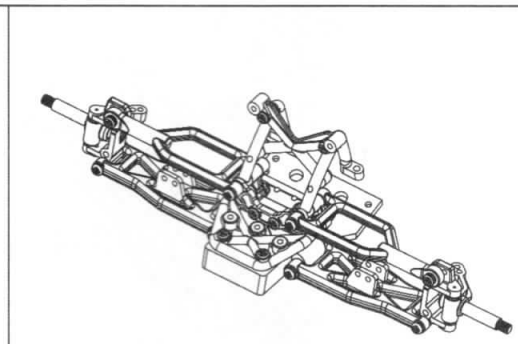

959-30
Tail adjust the seat left
959-58
Eyelet automatic screw
2.6*10
959-30
Tail holder
959-30
Tail adjust the seat right
959-18
Lampholders
959-54
Automatic screw
countersunk head
2.6*8
959-58
Eyelet automatic screw
2.6*10
959-17
Roll cage
959-19
The rollcage
strengthen boardT
959-57
Eyelet automatic
screw
2.6*8
959-19
The rollcage strengthen board
959-18
Lampholders
959-57
Eyelet automatic
screw
2.6*8
959-17
Roll cage

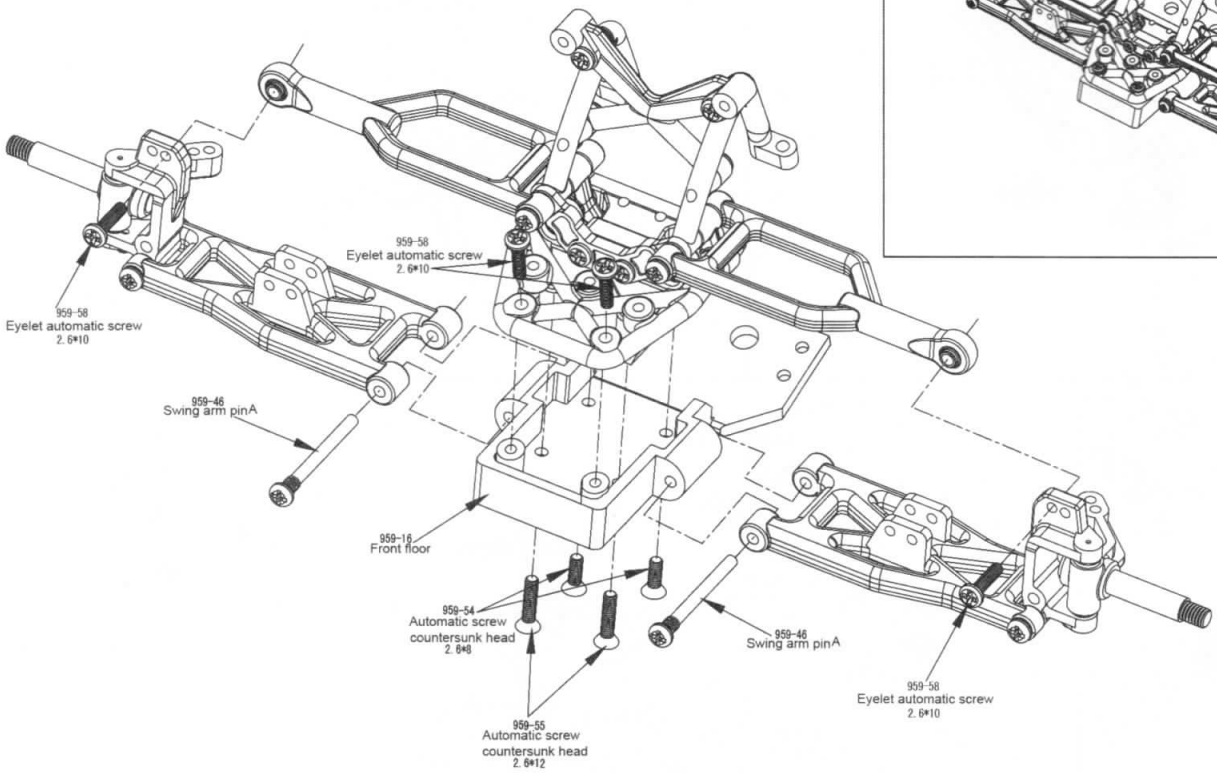
12



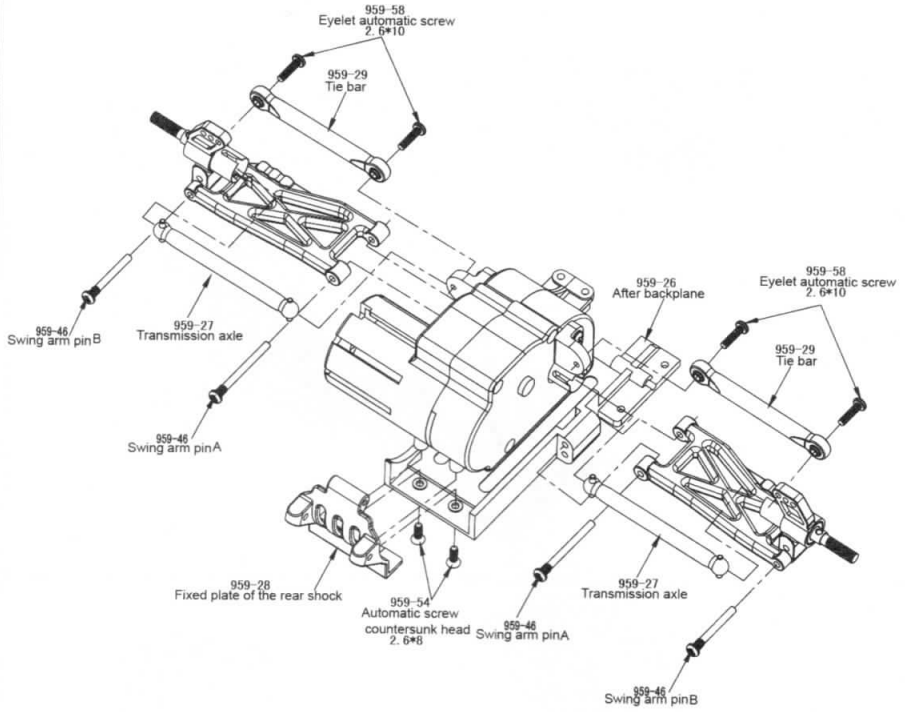

959-13
Front Suspension bracket
959-13
Front Suspension bracket
959-57
Eyelet automatic screw
2.6*8
959-05
front lower swing arm
959-11
Front Suspension
bracket
959-14
Circlip
959-11
Front Suspension
bracket
959-46
Swing arm pin
959-57
Eyelet automatic screw
2.6*8
959-13
Front Suspension bracket
959-59
Eyelet automatic screw
2.6*14
959-13
Front Suspension bracket
959-11
Front Suspension
bracket
959-05
front lower swing arm
959-46
Swing arm pin
959-58
Eyelet automatic screw
2.6*10
959-14
Front floor spacers

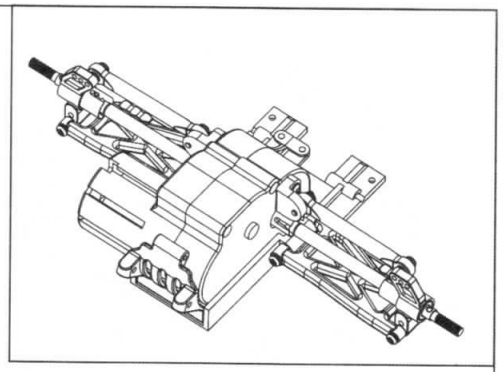
13



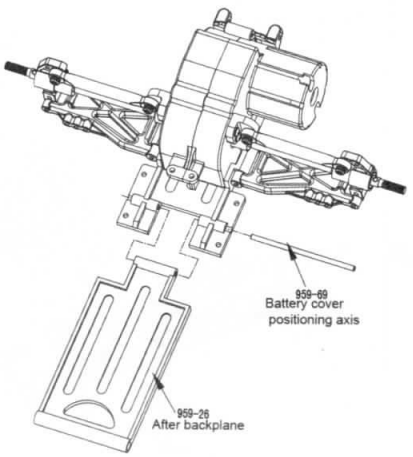

959-58
Eyelet automatic screw
2.6*10
959-58
Eyelet automatic screw
2.6*10
959-46
Swing arm pinA
959-16
Front floor
959-54
Automatic screw
countersunk head
2.6*8
959-55
Automatic screw
countersunk head
2.6*12
959-46
Swing arm pinA
959-58
Eyelet automatic screw
2.6*10

14

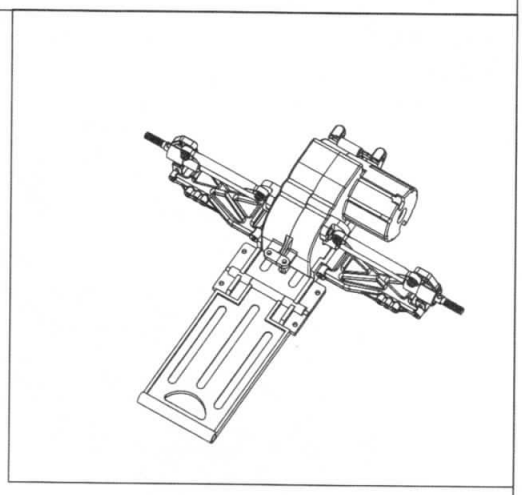

959-58
Eyelet automatic screw
2.6*10
959-29
Tie bar
959-46
Swing arm pinB
959-27
Transmission axle
959-46
Swing arm pinA
959-26
After backplane
959-58
Eyelet automatic screw
2.6*10
959-29
Tie bar
959-28
Fixed plate of the rear shock
959-54
Automatic screw
countersunk head
2.6*8
959-46
Swing arm pinA
959-27
Transmission axle
959-46
Swing arm pinB

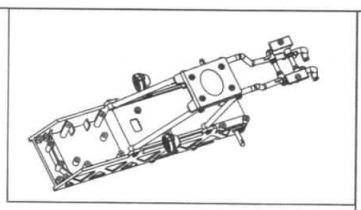


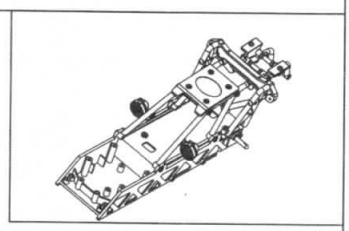
15

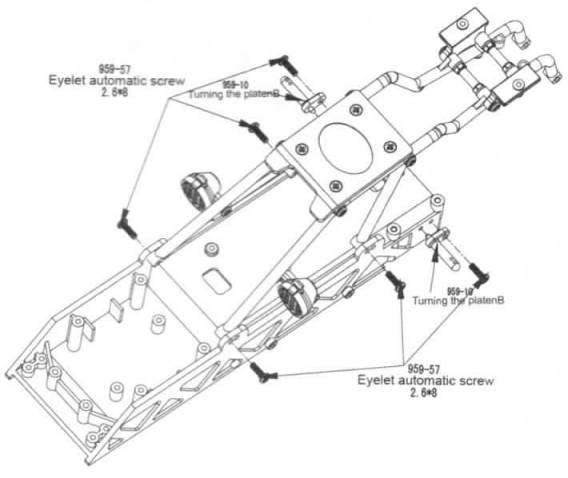

959-69
Battery cover
positioning axis
959-26
After backplane

16

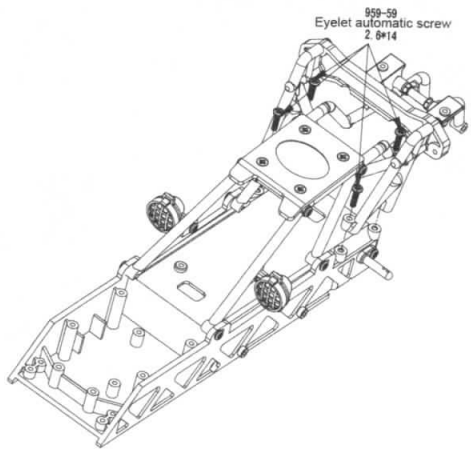




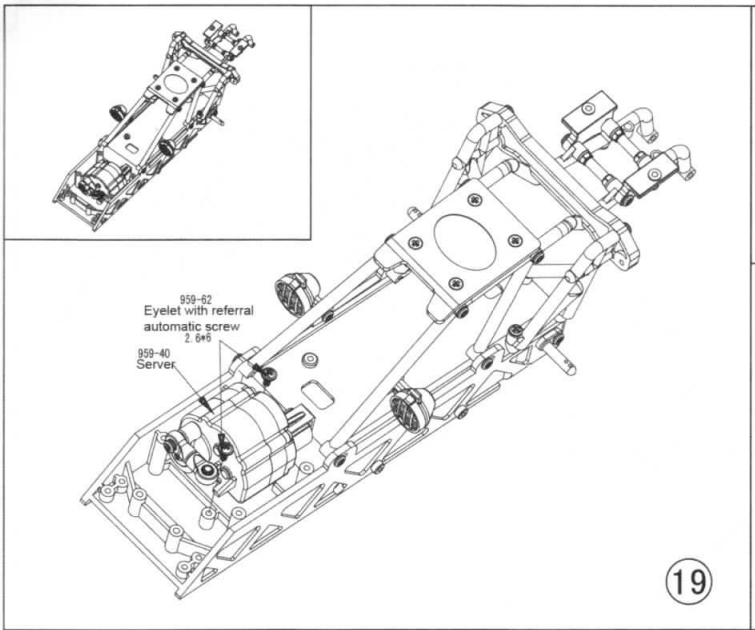



959-57
Eyelet automatic screw
2.6*8
959-10
Turning the platenB
959-10
Turning the platenB
959-57
Eyelet automatic screw
2.6*8

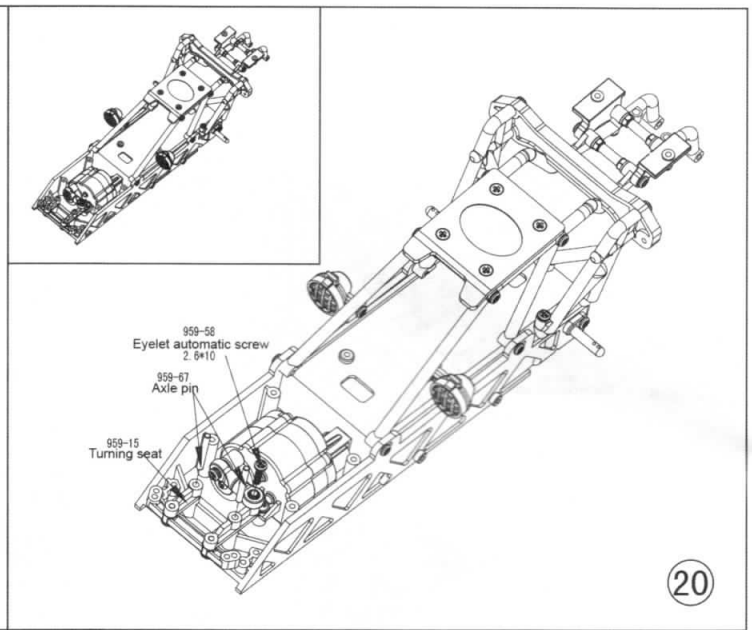
17


959-59
Eyelet automatic screw
2.6*14

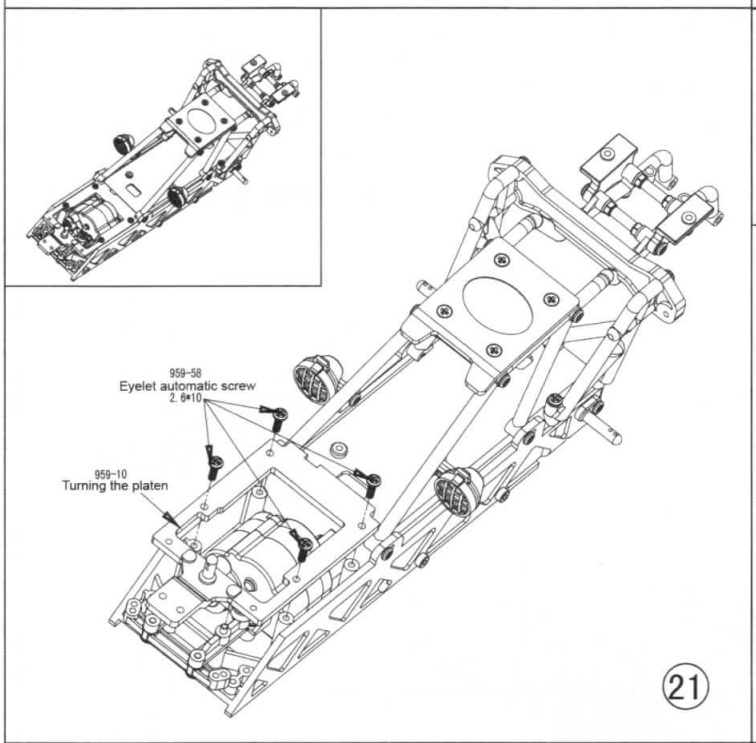
18


959-62
Eyelet with referral
automatic screw
2.6*6
959-40
Server

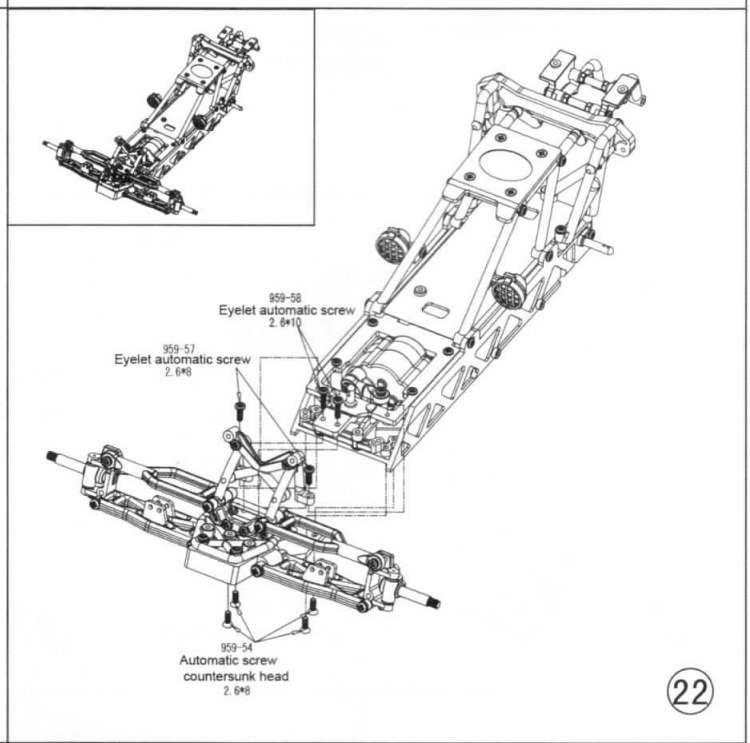
19


959-58
Eyelet automatic screw
2.6*10
959-67
Axle pin
959-15
Turning seat

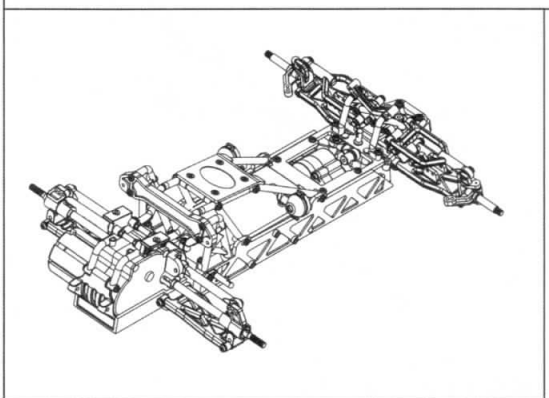
20

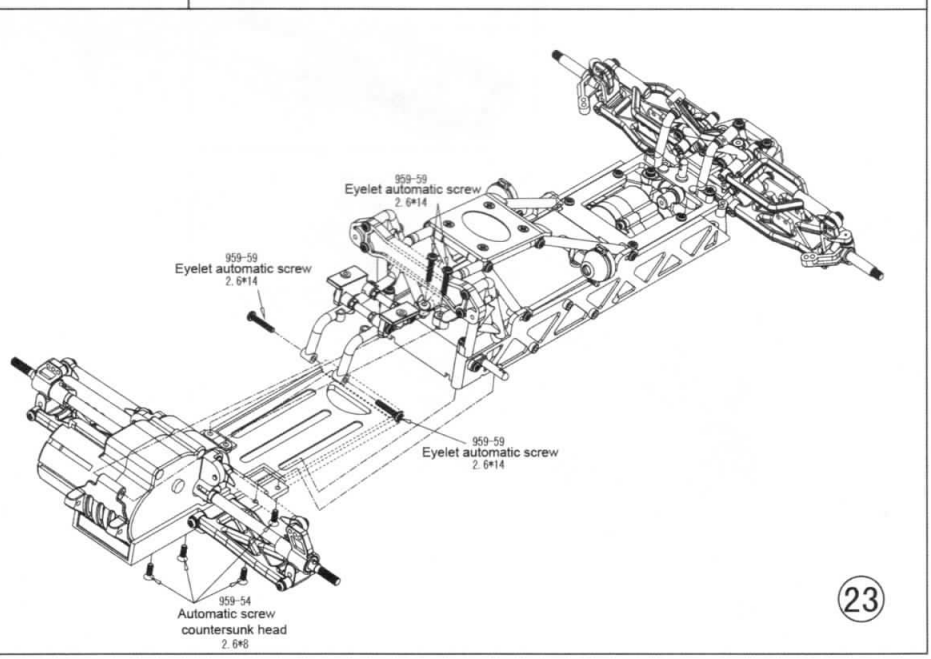

959-58
Eyelet automatic screw
2.6*10
959-10
Turning the platen

21

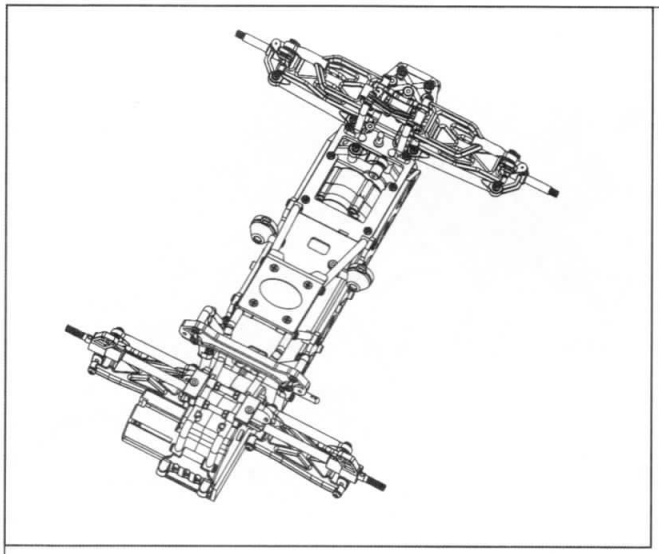

959-58
Eyelet automatic screw
2.6*10
959-57
Eyelet automatic screw
2.6*8
959-54
Automatic screw
countersunk head
2.6*8

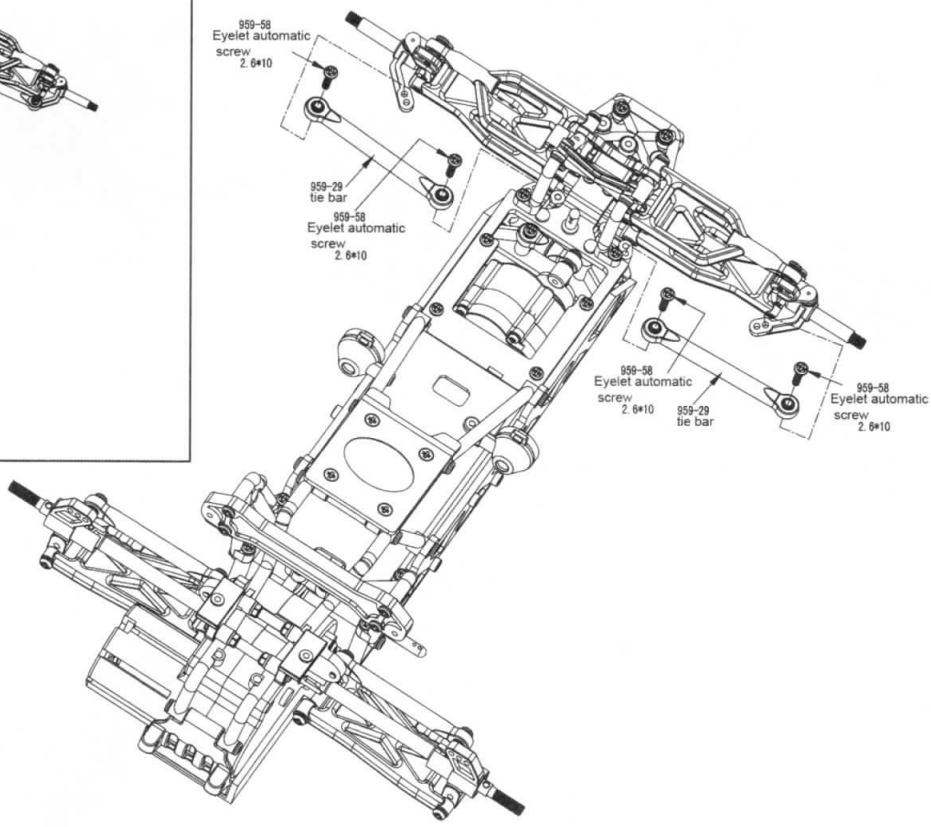
22



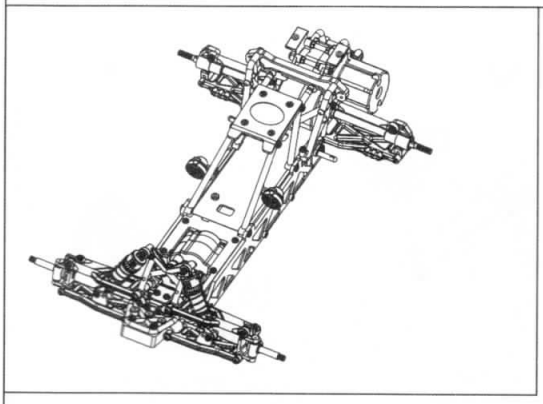

959-59
Eyelet automatic screw
2.6*14
959-59
Eyelet automatic screw
2.6*14
959-59
Eyelet automatic screw
2.6*14
959-54
Automatic screw
countersunk head
2.6*8

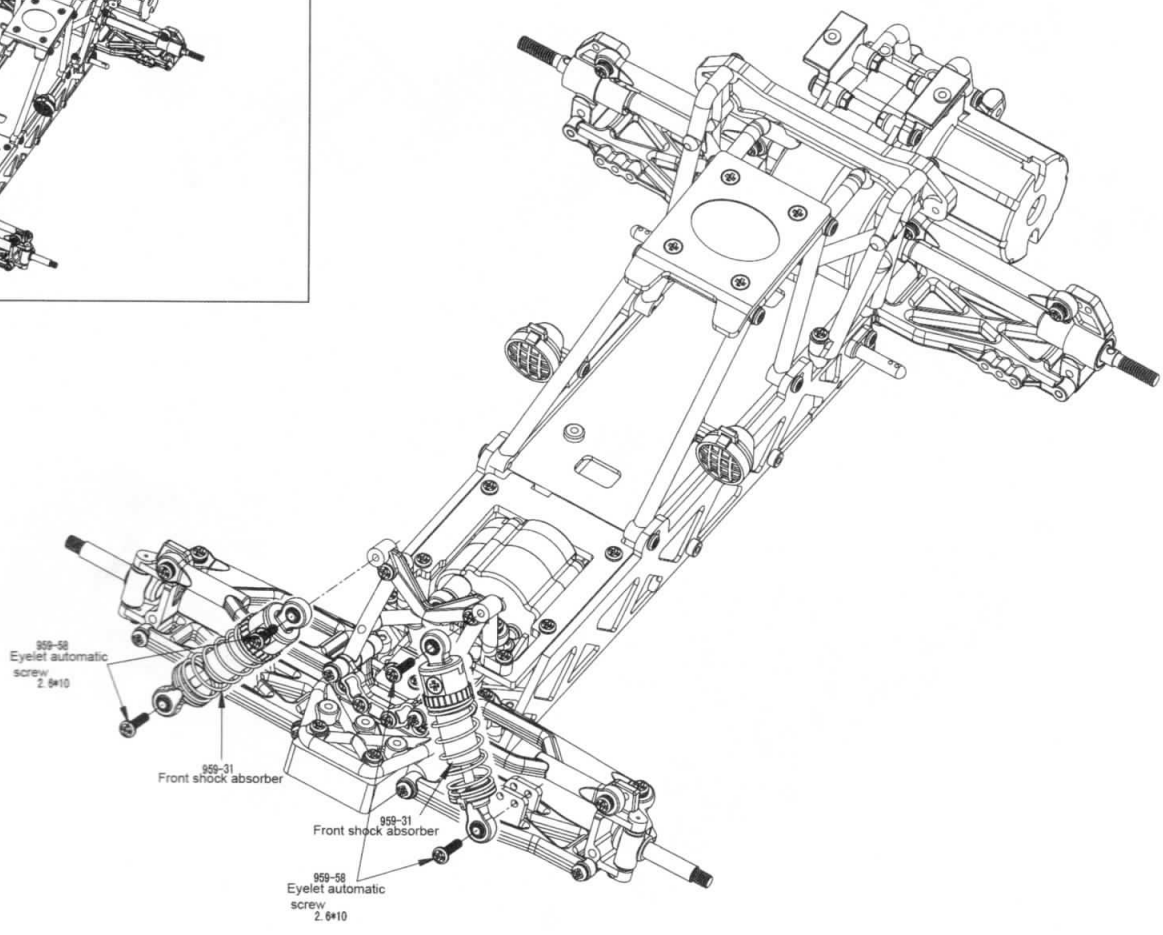
23



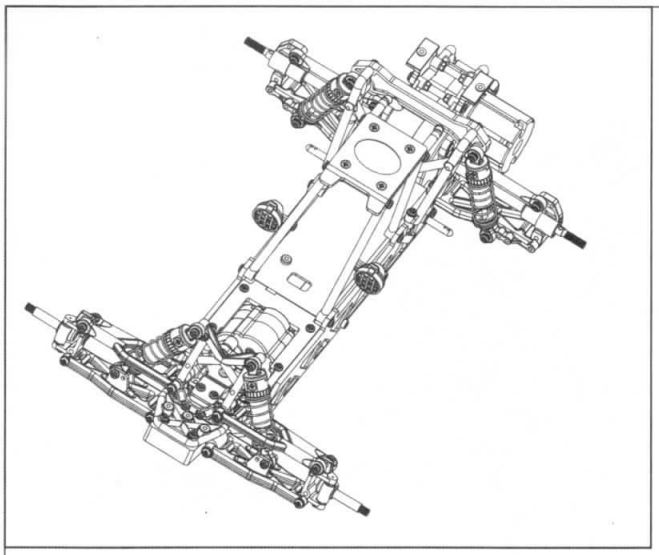

959-58
Eyelet automatic
screw
2.6*10
959-29
tie bar
959-58
Eyelet automatic
screw
2.6*10
959-58
Eyelet automatic
screw
2.6*10
959-29
tie bar
959-58
Eyelet automatic
screw
2.6*10

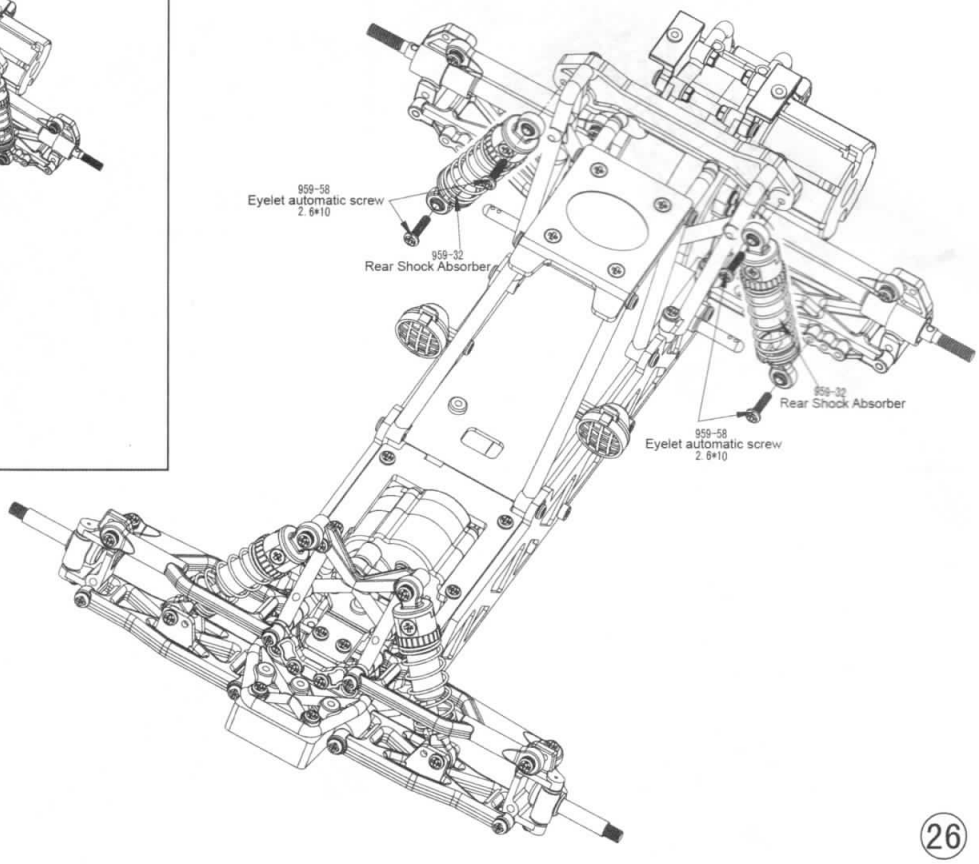
24



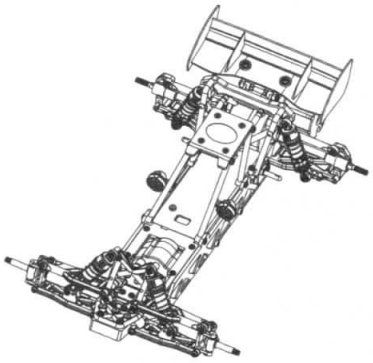

959-58
Eyelet automatic
screw
2.6*10
959-31
Front shock absorber
959-31
Front shock absorber
959-58
Eyelet automatic
screw
2.6*10

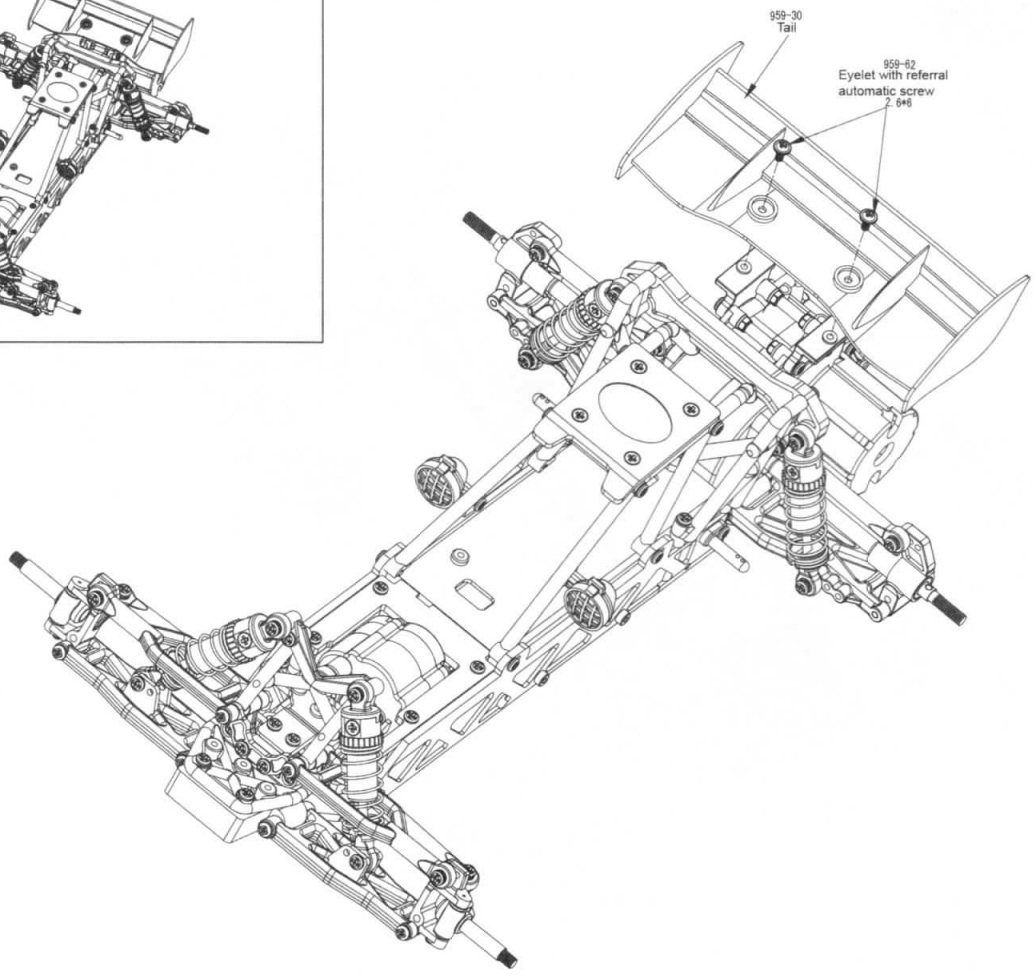
25



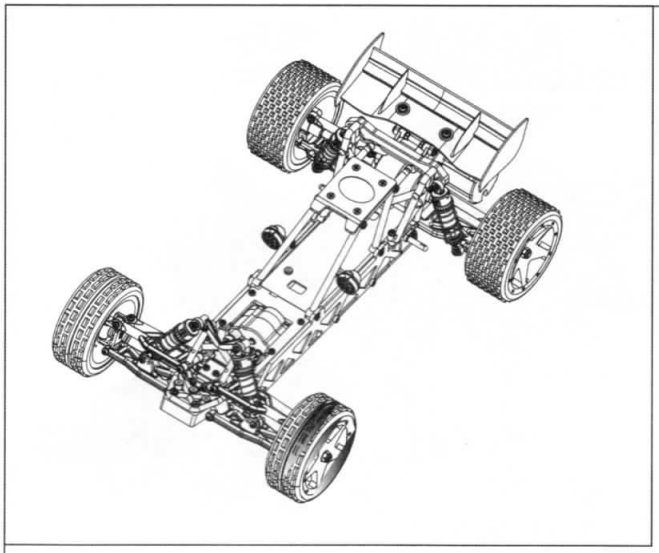

959-58
Eyelet automatic screw
2.6*10
959-32
Rear Shock Absorber
959-32
Rear Shock Absorber
959-58
Eyelet automatic screw
2.6*10

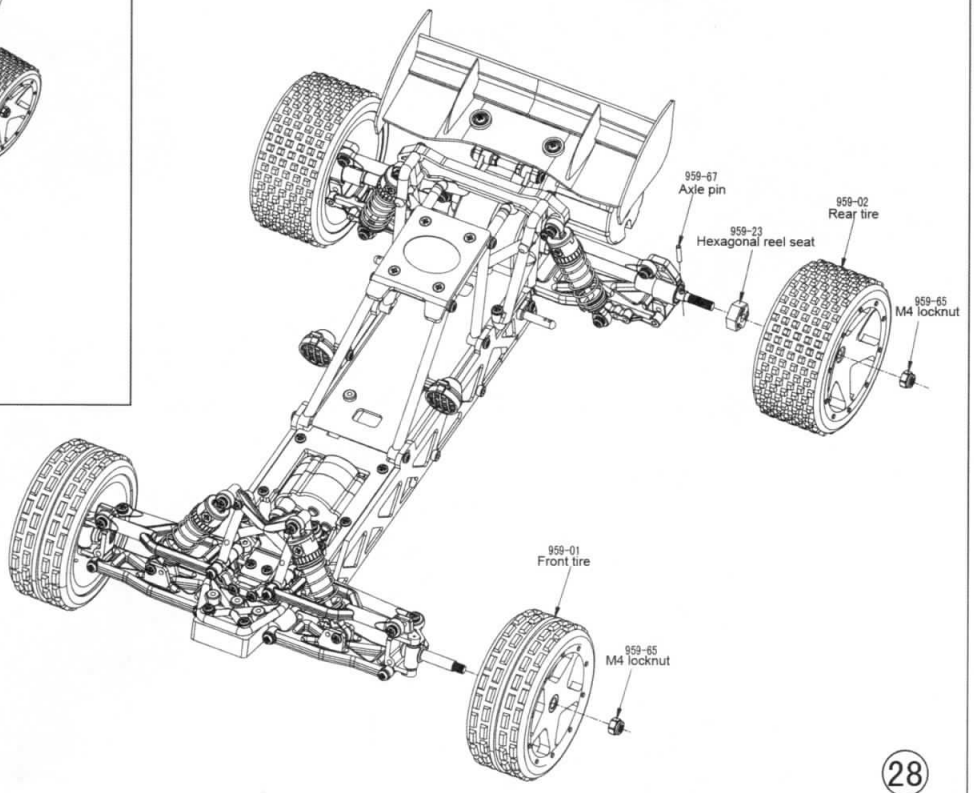
26



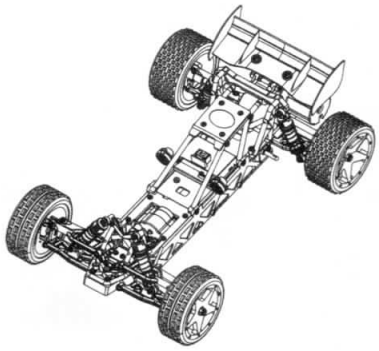

959-30
Tail
959-62
Eyelet with referral
automatic screw
2.6*8

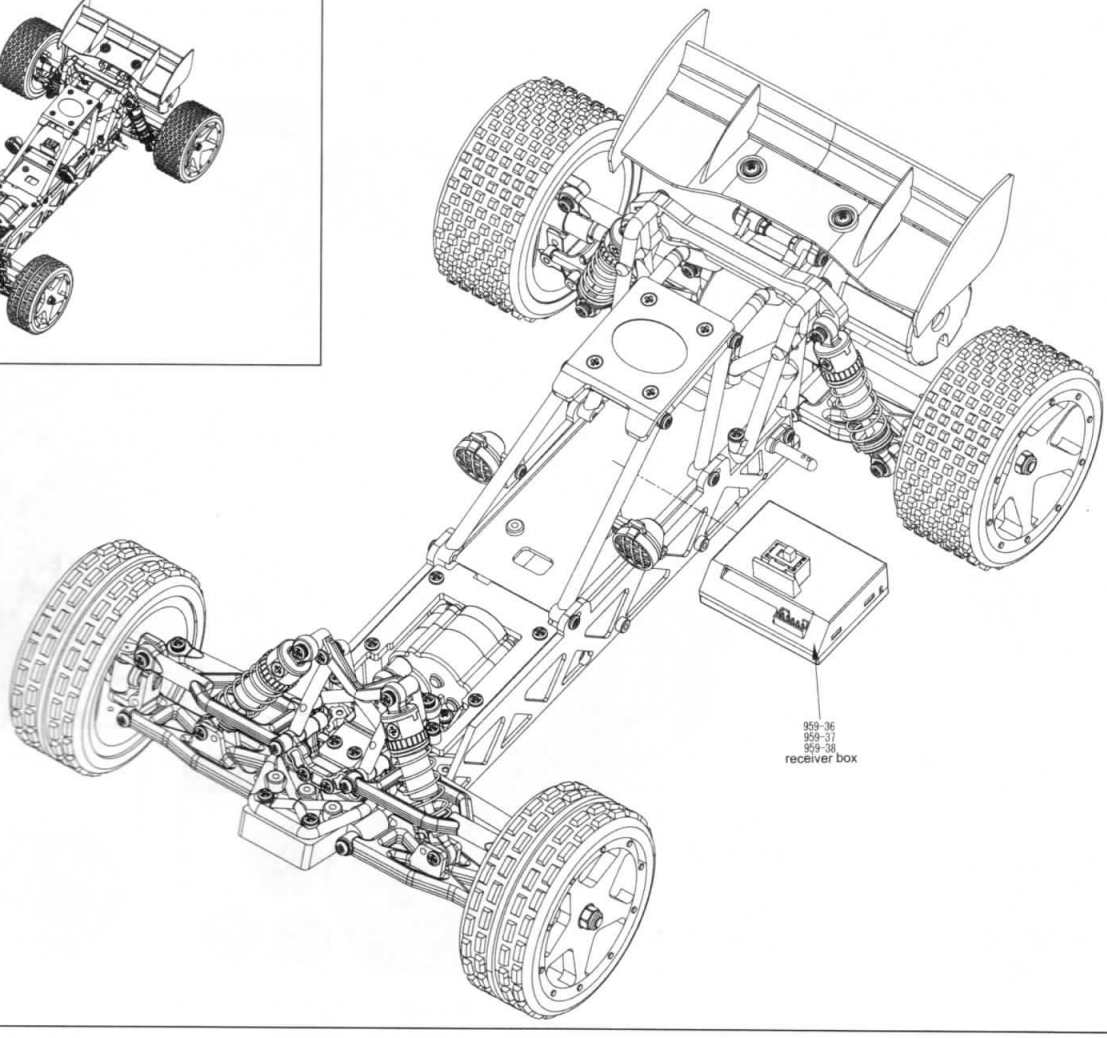
27



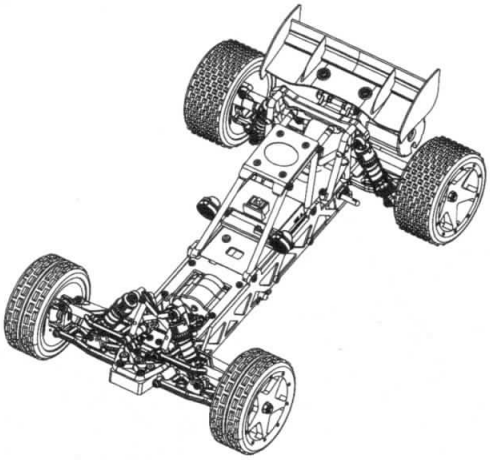

959-67
Axle pin
959-02
Rear tire
959-23
Hexagonal reel seat
959-65
M4 locknut
959-01
Front tire
959-65
M4 locknut

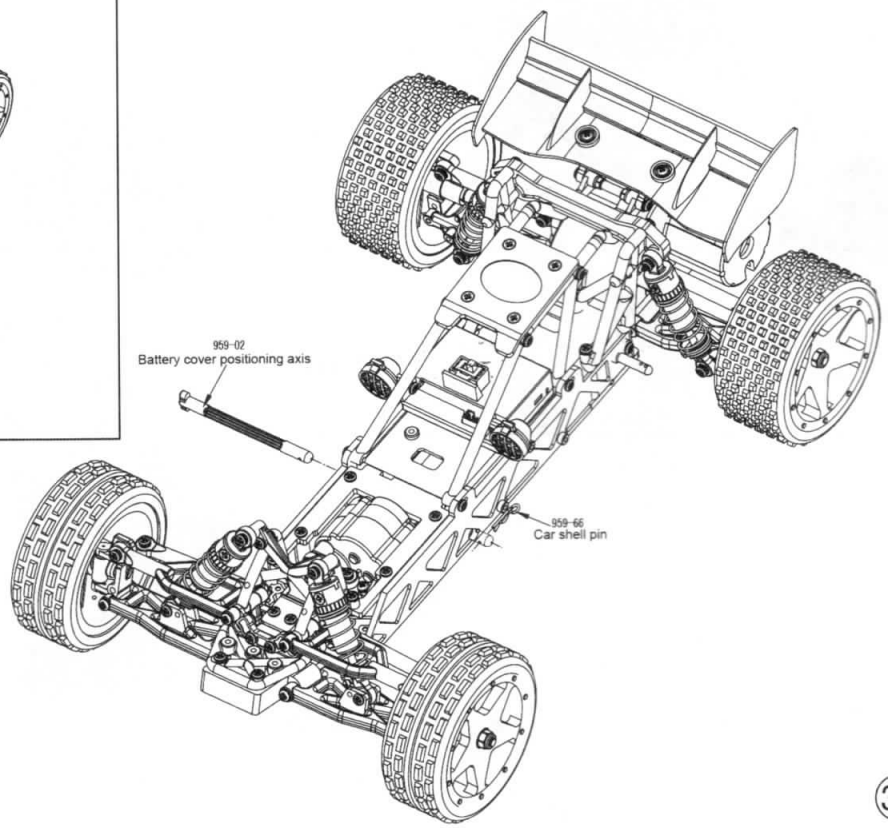
28



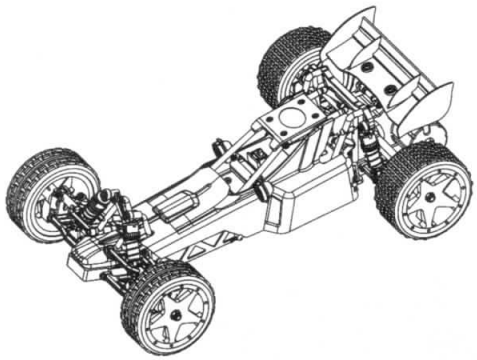

959-36
959-37
959-38
receiver box

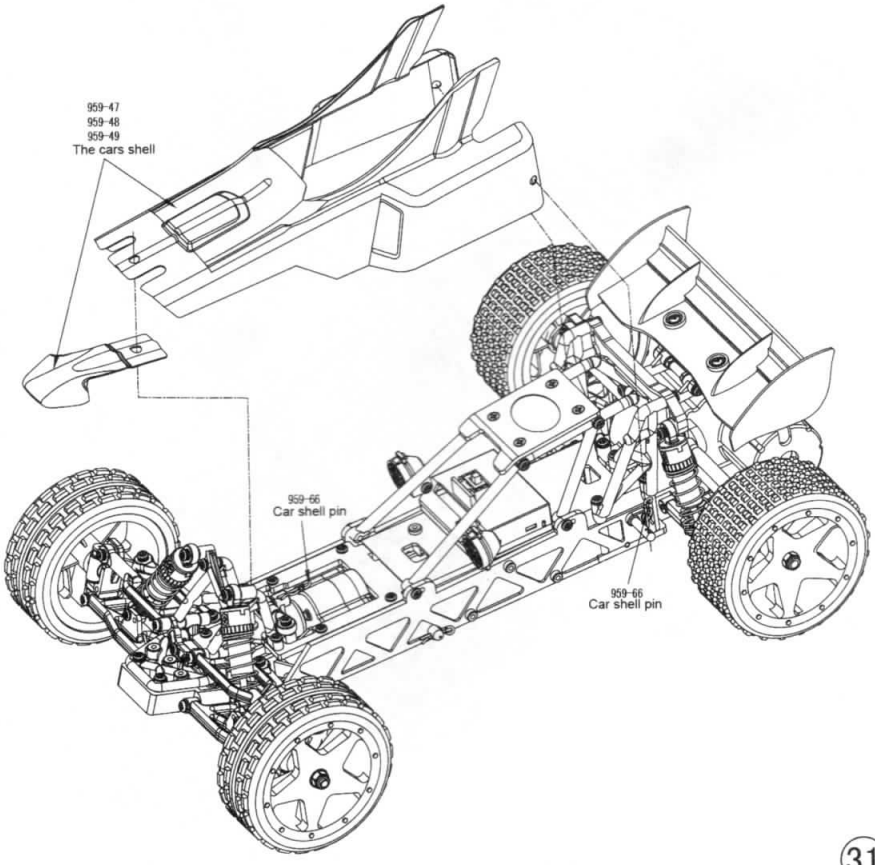
29




959-02
Battery cover positioning axis
959-66
Car shell pin

30

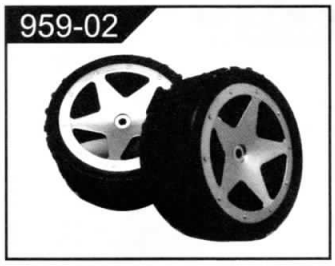



959-47
959-48
959-49
The cars shell
959-66
Car shell pin
959-66
Car shell pin

31

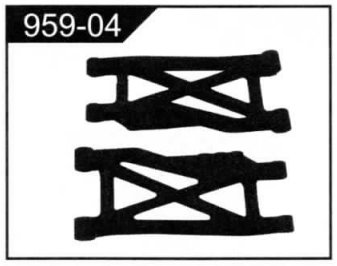
Sale parts view

Front tire X2

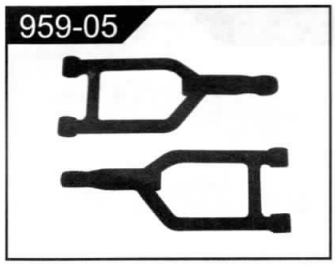


Rear tire X2

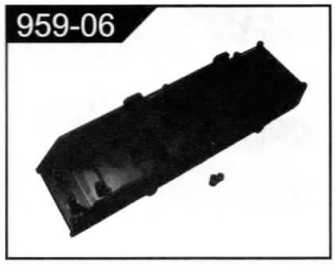
Front lowerswing arm X2



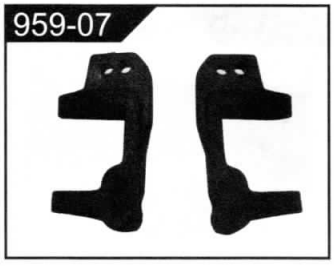
Rear lower swing armX2



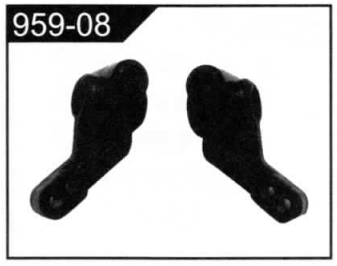
Front swing arm X2



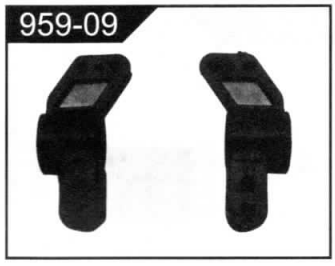
Bottom of thevehicle X1



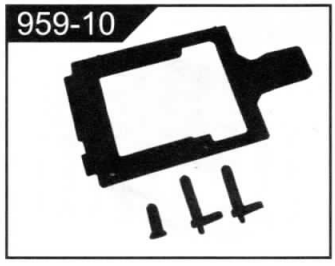
C-seat X2



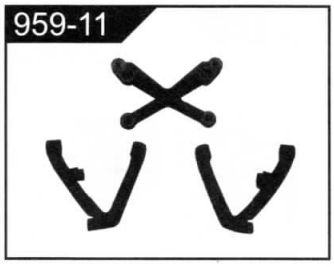
Steering armX2



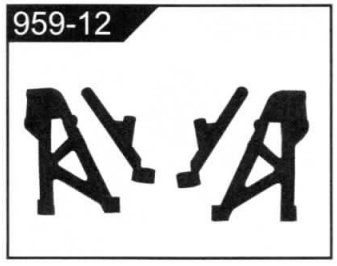
Rear axle X2



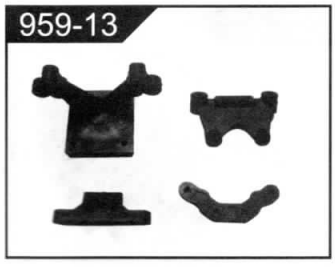
Turning the platen X1



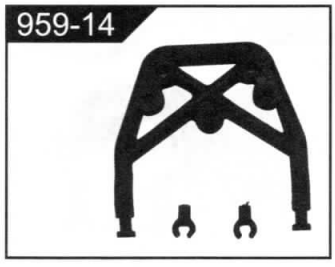
Front Suspension bracket X1



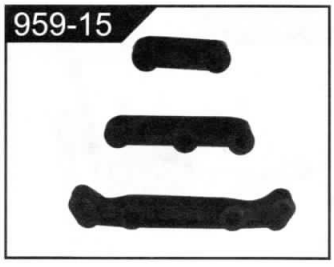
Rear suspension bracket X2



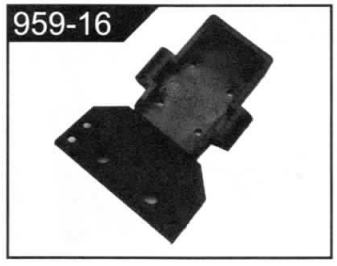
Front Suspension bracket X1



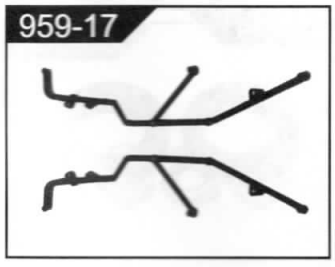
Front floor spacers X1



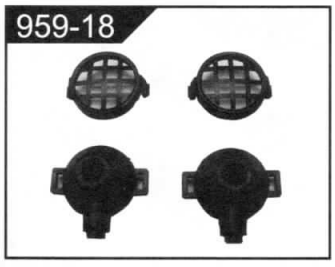
Turning seat X1



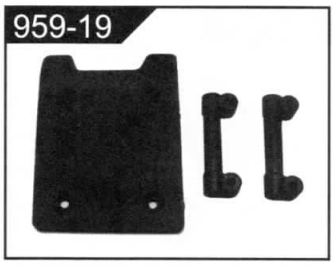
Front floor X1



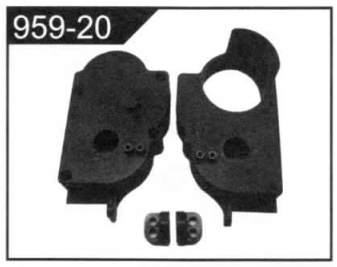
Roll cage X2



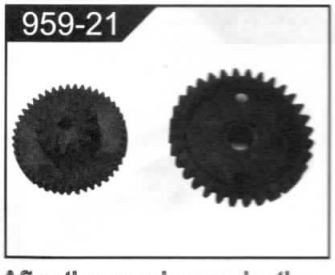
Lampholders X2



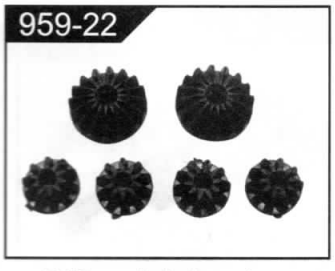
The rollcage strengthen board X1



After gearbox X1



After the gearbox reduction gear X1



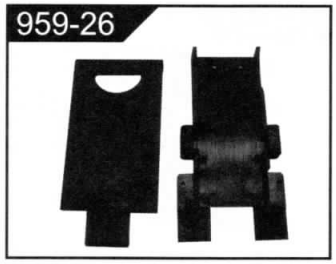
Differential planetary gear X1

Hexagonal reel seat X4

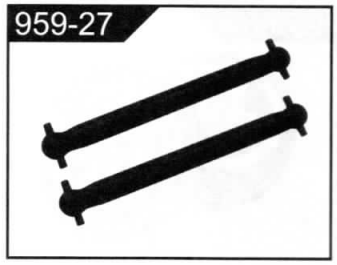
Transmission case X2

Sale parts view

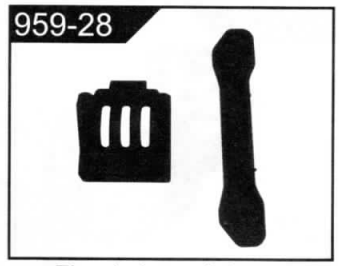
Transmission X1



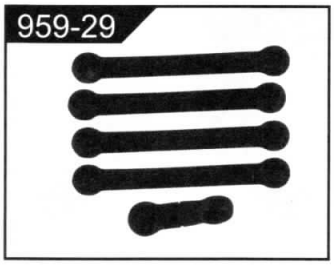
After backplane X1



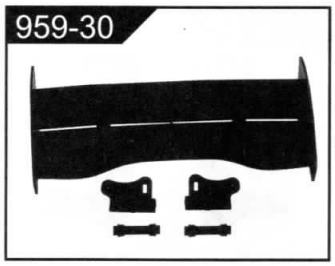
Transmission axle X2



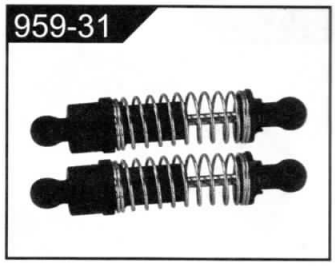
Fixed plate of the rear shockX1



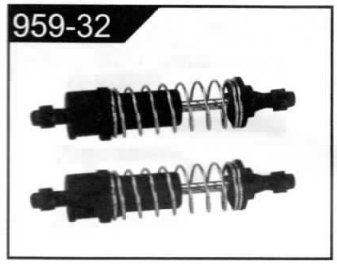
Tie bar X1



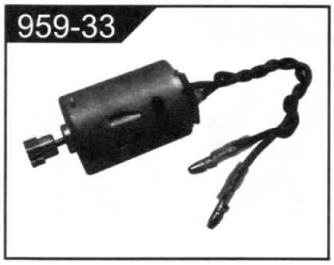
TailX1



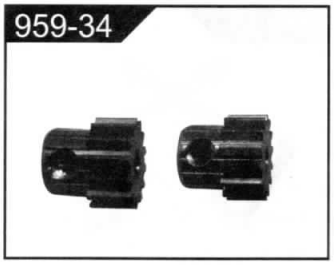
Front shock absorberX2



Rear Shock AbsorberX2

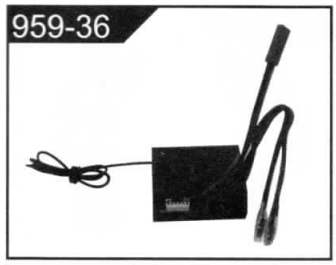


MotorX1

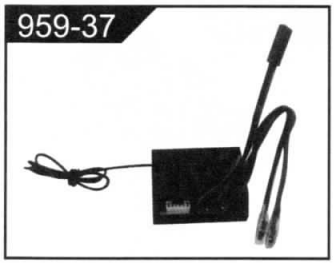


Motor gearX2

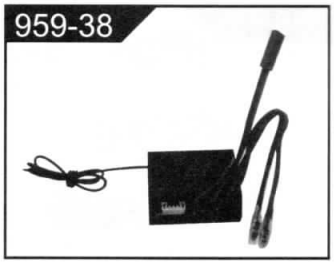
BatteryX1



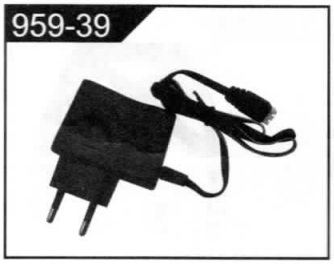
27MHZ receiver boxX1



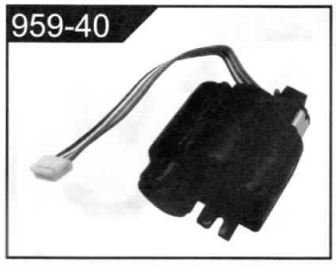
40MHZ receiver boxX1



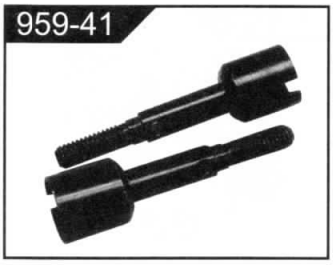
2.4G receiver boxX1



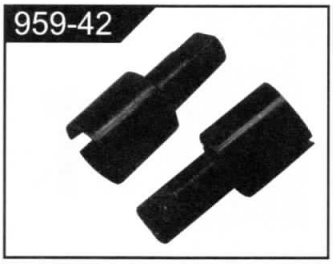
ChargerX1



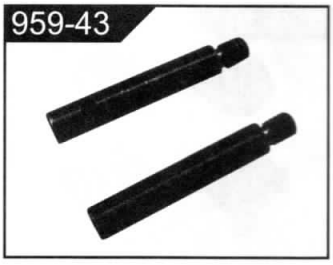
ServerX1



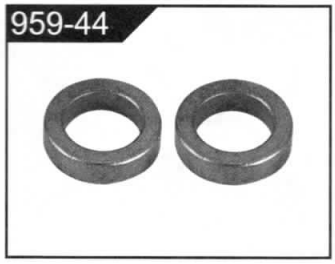
AxleX2



Variable-speed access CupX2

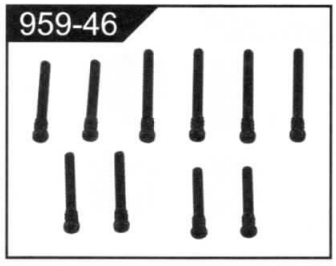


Front axleX2

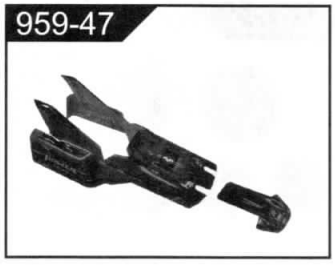


Ball bearings 10X15X4X2

Oil bearing 5X9X3 X4



Swing arm pinX2

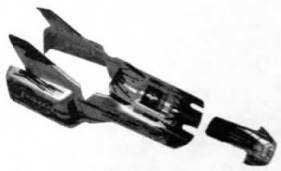


The cars shell (blue)X1

The cars shells (Green)X1

Sale parts view

959-49



The cars shell(Silver) X1

959-50

27MHZ Transmitter X1

959-51

40MHZ Transmitter X1

959-52

2.4G Transmitter X1

959-53

Countersunk head machine screws 2X6X10

959-54

Automatic screw countersunk head 2.6X8X10

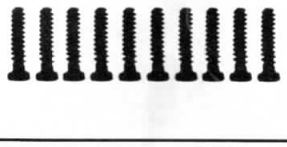
959-55

Automatic screw countersunk head 2.6X12X10

959-56

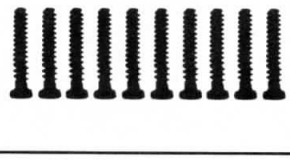
Eyelet automatic screw 1.8X3X10

959-57



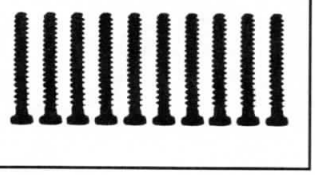
Eyelet automatic screw 2.6X8X10

959-58



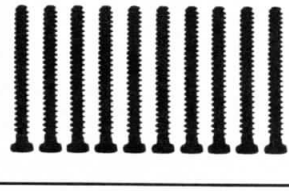
Eyelet automatic screw 2.6X10X10

959-59



Eyelet automatic screw 2.6X14X10

959-60

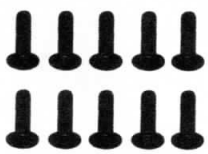


Eyelet automatic screw 2.6X25X10

959-61

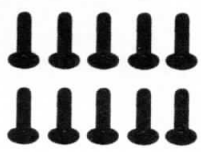
Eyelet with referral automatic screw 2.6X4X10

959-62



Eyelet with referral automatic screw 2.6X6X10

959-63



Eyelet with referral machine screws 2.5X6X10

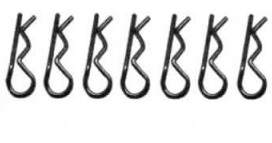
959-64

Round automatically stepped screws 3X8X10

959-65

M4 locknut X4

959-66



Car shell pin X8

959-67

Axle pin X2

959-68

Shift pin X4

959-69

Battery cover positioning axis X2

959-70

Motor brackets X2