



User's Instruction Manual



MODEL#:8382

1/8 Scale 4WD Brushless Electric Monster Truck

Introduction

Thank you for choosing DHK HOBBY'S monster truck! This model is designed in thorough research and assembled with utmost craftsmanship. It is easy to drive and it uses quality parts and accessories to achieve best performance. It will bring you a lot of joy and fun when you drive this model.

Before starting to run the model, you are kindly requested to take some time to review this instruction manual for a better operation. This easy to follow instruction manual aims to provide a general guideline for end-users. Kindly note that a good understanding of the model, its relevant parts together with other accessories packed in this consumer box will enable you to have fun in driving. Meanwhile, users are recommended to conduct regular maintenance for a smooth performance. Failure to do so might shorten the lifespan of your model. You are cordially advised that DHK Hobby makes all necessary parts and accessories to support you for any problem during and after your driving.

Before you operate this radio controlled model, you must understand the following:

1. Make sure that all screws and nuts are tightened securely.
2. Make sure that the batteries are fresh or fully charged so the vehicle won't lose control.
3. Do not drive the model in the following places/areas to avoid injury of people and damage to the public property. Drive your model in open areas.
 - > On public streets or parks. Cause injury or death of pedestrians, young children, animals and pets.
 - > On highways. Cause accidents or damage of the model.
 - > In water. Cause damage to electronic components and parts, or direct failure of the model.
4. Check all signals and electronic parts are working properly.

After running, battery, ESC, and motor can be very hot. Make sure not to touch with bare hands.

Warning:

This high performance model can run very fast. It is designed and produced for people of 14+ years of age to operate. Entry level players should seek guidance and supervision from experienced model players. Players are responsible for any/all accidental occurrences (human or animal injury, damage to property and possessions, breakage of the model itself) due to improper operation of this model.

Specifications

Overall length	: 20.36" (517.8mm)
Width	: 16.1" (410.0mm)
Height	: 7.13" (181.3mm, not including body)
Wheelbase	: 13.78" (350.4mm)
Ground clearance	: 1.96" (49.8mm)
Weight (net)	: 3.50kgs (7.8 LBs)
Front track/rear track	: 12.88" (327.0mm)/13.15" (334.0mm)
Tire diameter/width	: Ø6.2", 3.3" (Ø 158mm, 85mm)
Wheel diameter/width	: Ø3.5", 2.6" (Ø88mm, 66mm)
Gear ratio	: 13.98:1

Required to operate the model

4 pcs AA batteries (Ni-Mh or Ni-Cd rechargeable batteries, or non-rechargeable alkaline batteries) for 2.4GHz transmitter. Please refer to the 2.4GHz transmitter Instruction Manual.



Lipo balance charger (#P111-Optional) (for 2S/3S Lipo battery) 500mAh output with AC input.



2 Channel 2.4GHz radio system

This monster truck comes with a full function 2 channel 2.4GHz radio transmitter and receiver. Please refer to the 2.4GHz User's Instructions Manual for detail.

Brushless electronic speed control (ESC)

This model comes with 120 A brushless electronic speed controller. Please refer to the instructions manual of the ESC for detail.

Brushless electric motor

3670 motor KV(RPM)	: 2030
Power	: 14.8V
Empty load current	: 4.0A(10V)
Resistance(Ω)	: 0.01 Ω
Length(including motor shaft)	: 85mm
Diameter	: 36mm
Weight	: 338g
Shaft diameter	: 5mm
Battery (Li-Po)	: 2-4S

9kgs Servo

Features	: Metal gears, ball bearings
Working voltage	: 6.0V
Speed (seconds/60°C)	: 0.16sec
Torque	: 9kg/cm (88.3Ncm)
Net weight	: 120g
Size(LxWxH)	: 55x21x43mm

Note:

When the motor temperature is over 120°C(248°F), please add a fan over the motor for better ventilation. Please refer to the parts list for the optional part motor cooling fan (Part#: P101).

Lipo Batteries

This model comes with duo 7.4V 2S Lipo battery packs. Handling Lipo batteries should be very careful. Please read the following points with regard to charging and discharging Lipo batteries.

Charging the Lipo battery

Important warnings:

Be sure to follow these important warnings regarding the charging of Lipo batteries.

- > Never leave a Lipo battery unattended at any time while being charged.
- > Never charge a Lipo battery while it's inside the model. A hot pack could ignite wood, foam, plastic, etc.
- > Never charge Lipo battery with Ni-Mh or Ni-Cd peak charger. Only use a charger designed specifically for Lipo batteries which can apply the constant current/constant voltage charge technique.
- > Never charge Lipo battery at currents greater than the "1C" rating of the battery.
- > Never allow Lipo cells to overheat at any time. Cells which exceed 60°C (140°F) during charge can and usually will become damaged physically and possibly catch fire. Always inspect a battery which has previously overheated and do not re-use if you suspect it has been damaged in any way.
- > Always discontinue charging a Lipo immediately if at any time you witness smoke or see the battery starting to swell up. This may cause the battery to rupture and/or lead, and the reaction with air may cause the chemicals to ignite, resulting in fire. Disconnect the battery and leave it in a safe fireproof location for approximately 15 minutes.
- > Always charge a Lipo battery in a fireproof location, which could be a container made of metal, ceramic tile, or a bucket of sand.
- > Never allow a battery's positive and negative leads to accidentally touch each other. This will result in a short circuit and cause permanent damage to your battery and charger.
- > Always monitor the battery and charger during the entire charge process. Never leave the battery and charger unattended during charge!
- > Never continue to charge the Lipo batteries if the charger fails to recognize full charge. Overheating or swelling of the Lipo cells is an indication that a problem exists and the batteries should be disconnected from the charger immediately and placed in a fireproof location.

Discharging the Lipo battery

- > Never leave a Lipo battery unattended at any time while being discharged.
- > Always discharge Lipo batteries in a fireproof location, which could be a container made of metal or on ceramic tile.
- > Always connect the battery's lead marked "Discharge" or "TO ESC" to the electronic speed controller. Never attempt to connect the battery's "CHARGE" lead to the ESC.

- > It is strongly recommended to use an ESC which is designed to handle the low voltage cutoff points or Lipo batteries (Always follow the instructions provided with the ESC for proper operation). Discharging Lipo batteries below 2.5V per cell (Norm is 3.7V per cell, at 4.2V once fully charged) can cause permanent damage and limit the number of times the battery can effectively be used again.
- > Never discharge Lipo batteries at currents which exceed the discharge current rating of the battery as this can often cause a cell to overheat. Do not allow a Lipo cell to exceed 60°C (140°F) during discharge.

Caution!

Cells may be hot. Do not allow the battery's internal electrolyte to get in the eyes or on skin. Wash affected areas with soap and water immediately if they come in contact with the electrolyte. If electrolyte makes contact with the eyes, flush with large amounts of water for 15 minutes and seek medical attention immediately.

Carefully inspect Lipo batteries which have been involved in a crash for even the smallest of cracks, splits, punctures or damage to the wiring and connectors.

Disposal of Lipo batteries

Unlike Ni-Cd batteries, Lithium-polymer batteries are environmentally friendly. For safety reasons, it's best that Lipo cells be fully discharged before disposal (however, if physically damaged it is not recommended to discharge Lipo cells before disposal). The batteries must also be cool before proceeding with disposal instructions. To dispose of Lipo cells and packs:

- > If any Lipo cell in the pack has been physically damaged, resulting in a swollen cell or a split or tear in a cell's foil covering, do not discharge the battery.
- > Place the Lipo battery in a fireproof container or bucket of sand.
- > Connect the battery to a Lipo discharger. Set the discharge cutoff voltage to the lowest possible value. Set the discharge current to a C/10 value, with "C" being the capacity rating of the pack.
- > Discharge the battery until its voltage reaches 1.0V per cell or lower. For resistive load type dischargers, discharge the battery for up to 24 hours.
- > Submerge the battery into bucket or tub of salt water. This container should have a lid, but it does not need to be air-tight. Perhaps a bucket or tub containing 3 to 5 gallons of cold water, and mix in 1/2 cup of salt per gallon of water. Drop the battery into the salt water. All the battery to remain in the tub of salt water for at least 2 weeks.
- > Remove the Lipo battery from the salt water and place it in the normal trash.

Terminology

Electronic speed control (ESC)

An electronic circuit with the purpose to vary an electric motor's speed, its direction and possibly also to act as a dynamic brake. ESCs are often used on electrically-powered radio controlled models.

An ESC can be a stand-alone unit which plugs into the receiver's throttle control channel or incorporated into the receiver itself, as is the case in most toy-grade R/C vehicles. Some R/C manufacturers that install proprietary hobby-grade electronics in their entry-level vehicles, vessels or aircraft use onboard electronics that combine the two on a single circuit board.

Brushless DC motors (BLDC motors, BL motors)

Also known as electronically commutated motors (ECMs, EC motors). BLDC motors are synchronous electric motors powered by direct-current (DC) electricity and having electronic commutation systems, rather than mechanical commutators and brushes. The current-to-torque and voltage-to-speed relationships of BLDC motors are linear.

BLDC motors may be described as stepper motors, with fixed permanent magnets and possibly more poles on the rotor than the stator, or reluctance motors. The latter may be without permanent magnets, just poles that are induced on the rotor then pulled into alignment by timed stator windings. However, the term stepper motor tends to be used for motors that are designed specifically to be operated in a mode where they are frequently stopped with the rotor in a defined angular position.

RC servos

Servos are hobbyist remote control devices typically employed in radio-controlled models, where they are used to provide actuation for various mechanical systems such as the steering of a car, the control surfaces on a plane, or the rudder of a boat.

Due to their affordability, reliability, and simplicity of control by microprocessors, RC servos are often used in small-scale robotics applications.

RC servos are composed of an electric motor mechanically linked to a potentiometer. A standard RC receiver sends Pulse-width modulation (PWM) signals to the servo. The electronics inside the servo translate the width of the pulse into a position. When the servo is commanded to rotate, the motor is powered until the potentiometer reaches the value corresponding to the commanded position.

RC servos use a three-pin 0.1" spacing jack (female) which mates to standard 0.025" square pins (which should be gold-plated, incidentally). The most common order is Signal, +voltage, ground. The standard voltage is 6VDC, however 4.8V and 12V has also been seen for a few servos. The control signal is a digital PWM signal with a 50Hz frame rate. Within each 20ms timeframe, an active-high digital pulse controls the position. The pulse nominally ranges from 1.0ms to 2.0ms with 1.5ms always being center of range. Pulse widths outside this range can be used for "overtravel" -moving the servo beyond its normal range. This PWM signal is sometimes (incorrectly) called Pulse Position Modulation (PPM).

The servo is controlled by three wires: ground, power, and control. The servo will move based on the pulses sent over the control wire, which set the angle of the actuator arm. The servo expects a pulse every 20 ms in order to gain correct information about the angle. The width of the servo pulse dictates the range of the servo's angular motion.

A servo pulse of 1.5 ms width will typically set the servo to its "neutral" position or 45°, a pulse of 1.25 ms could set it to 0° and a pulse of 1.75 ms to 90°. The physical limits and timings of the servo hardware varies between brands and models, but a general servo's angular motion will travel somewhere in the range of 90° - 120° and the neutral position is almost always at 1.5 ms. This is the "standard pulse servo mode" used by all hobby analog servos.

A hobby digital servo is controlled by the same "standard pulse servo mode" pulses as an analog servo. Some hobby digital servos can be set to another mode that allows a robot controller to read back the actual position of the servo shaft. Some hobby digital servos can optionally be set to another mode and "programmed", so it has the desired PID controller characteristics when it is later driven by a standard RC receiver.

RC servos are usually powered by the receiver which in turn is powered by battery packs or an Electronic speed controller (ESC) with an integrated or a separate Battery eliminator circuit (BEC). Common battery packs are either NiCd, NiMH or Lithium-ion polymer battery (LiPo) type. Voltage ratings vary, but most receivers are operated at 5V or 6V.

Parts List

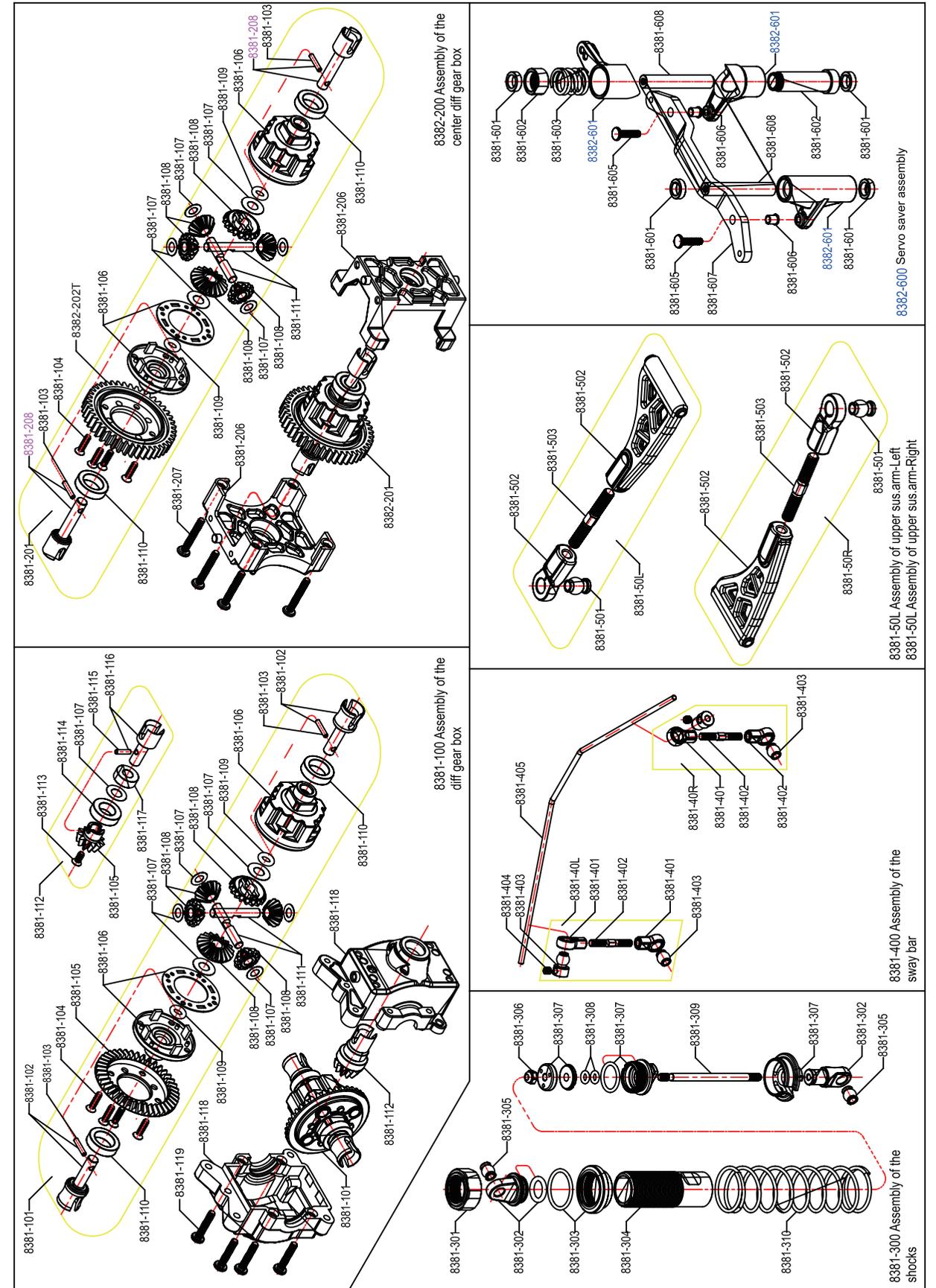
Part#	Desc	Part#	Desc
8381-100	Assembly of diff gear box	8382-601	Servo saver sus. Arm-upper/lower/steering sus. Arm
8381-101	Diff set	8381-601	Brass washer (4 pcs)
8381-102	Diff outdrive/pins (dia 2*10mm)	8381-602	Servo saver bushing/adjustment ring
8381-103	Pins(dia 2*10mm) (16 pcs)	8381-603	Servo saver spring (4 pcs)
8381-104	Flathead screw-coarse thread(KB2.6*10mm) (16 pcs)	8381-605	B head screw-coarse thread(BB3*12mm) (16 pcs)
8381-105	Crown gear-41T (large)/pinion gear-11T (small)	8381-607	Steering plate
8381-106	Diff case set/diff case cover/diff gasket	8381-608	Shaft (2 pcs)
8381-107	Washer-A/washer-B (8 pcs each)	8381-609	Screw bushing (4pcs)
8381-108	Gear-18T (2 pcs)/gear-12T (4 pcs)	8381-6Z0	Assembly of steering linkage (2PCS)
8381-109	O Ring(dia 8mm * dia 2mm) (16 pcs)	8381-6Z1	Steering linkage (2 pcs)
8381-110	Ball bearing(dia 10mm * dia 15*4mm) (2 pcs)	8381-6Z2	Plastic rod end (8 pcs)
8381-111	Diff pins(dia 4*25.8mm) (4 pcs)	8381-6Z3	Double way ball end (8 pcs)
8381-112	Assembly of the pinion gear	8381-701T	Upper sus.arm mount-rear/suspension mount
8381-113	Flathead screw(KM2.6X6mm) (16 pcs)	8381-702	B head screw-coarse thread(BB3*14mm) (16 pcs)
8381-114	Ball bearing(dia 8mm * dia14*4mm) (2 pcs)	8381-703	B head screw-coarse thread(BB3*10mm) (16 pcs)
8381-115	Pins(dia 2*8mm) (16 pcs)	8381-706	Lower sus.arm-front (2 pcs)
8381-116	Pinion gear outdrive/pins(dia 2*8mm)	8381-707	Drive shaft set/revolving shaft (2 sets)
8381-117	Ball bearing(dia 5 mm * dia 11*4mm) (2 pcs)	8381-708	Wheel axle (2 pcs)
8381-118	Diff gear box-F/R	8381-709	Steering arm (2 pcs)
8381-119	B head screw-coarse thread(BB3*16mm) (16 pcs)	8381-710	Ball bearing(dia 6mm * dia 12*4mm) (2 pcs)
8382-200	Central diff gear box(complete)	8381-729	Pins(dia 2*14mm) (16 pcs)
8382-201	Central diff set	8381-713	B head screw(BM3*12mm) (16 pcs)
8382-202T	Spur gear-45T(plastic) (1pcs)	8381-714	C-hub (2 pcs)
8381-204	Set screws (M4*4mm) (16 pcs)	8381-715	B head screw(BM3*20mm) (16 pcs)
8381-206	Center diff gear box/center diff gear box plate	8381-716	Set screws (M4*10mm) (16 pcs)
8381-207	B head screw-coarse thread(BB3*20mm) (16 pcs)	8381-717	Shock tower (2 pcs)
8381-208	Center outdrive set	8381-718	Pivot ball mount (4 pcs)
8381-300	Shock absorber complete (2 PCS)	8381-719	Upper sus.arm shaft (4 pcs)
8381-301	Shock cap (2 pcs)	8381-721	Lower sus.arm plate-front
8381-302	Shock connecting rod-upper/lower/O ring (dia 12mm * dia 2mm)	8381-723	C-hub screw bushing (16 pcs)
8381-303	Shock adjust ring /O ring (dia 18.5mm * dia 1.5mm) (2 pcs)	8381-724	T head screw(TM4*12mm) (16 pcs)
8381-304	Shock body (2 pcs)	8381-725	T head screw(TM4*22mm) (16 pcs)
8381-305	Shock ball (8 pcs)	8381-726	B head screw-coarse thread(BB3*18mm) (16 pcs)
8381-306	M3 nylon nut (8 pcs)	8381-735	Suspension arm shaft (3*55mm)(2pcs)
8381-307	Lower shock mount/piston/O ring(dia 13mm * dia 1.5mm)	8382-701	Hex adapter/M12 17mm nut
8381-308	O ring (16 pcs)	8382-702T	Bumper/upper sus.arm mount
8381-309	Shock shaft (4 pcs)	8382-703	Body post holder/body post
8381-310	Shock spring (4 pcs)	8382-704	Tire complete (2 pcs)
8381-400	Anti-roll bar assembly	8382-705	B head screw(BM3*24mm) (16 pcs)
8381-40L	Assembly of anti-roll bar linkage-Left	8381-801	Lower sus.arm-rear (2 pcs)
8381-40R	Assembly of anti-roll bar linkage-Right	8381-802	Rear hub-L/F
8381-401	Anti-roll bar rod end (8 pcs)	8381-803	B head screw(BM3*18mm) (16 pcs)
8381-402	Anti-roll bar linkage (4 pcs)	8381-805	B head screw(BM3*10mm) (16 pcs)
8381-403	Anti-roll bar pivot ball-upper/lower (4 sets)	8381-807	Pin-A(dia 1.5mm) (16 pcs)
8381-404	Set screws (M3*3mm) (8 pcs)	8382-9M1	Motor gear-12T/Set screw (M4*4)
8381-405	Anti-roll bar(dia 2.2mm) (2 pcs)	8381-9M1	Motor mount-Upper/Lower
8381-50L	Assembly of upper sus.arm-Left	8382-9S1	Servo mount
8381-50R	Assembly of upper sus.arm-Right	8381-9S2	Servo arm (2 pcs)
8381-501	Upper sus.arm ball (4 pcs)	8381-9S3	B head screw(BM3*6mm) (16 pcs)
8381-502	Upper sus.arm/rod end (2 sets)	8382-9Z0	Assembly of steering tie rod
8381-503	Upper sus.arm linkage (2 pcs)	8381-007	Receiver cover-upper/lower
8382-600	Servo saver assembly-complete	8381-008	Antenna tube (3 pcs)
		8381-009	Pin-B(dia 1.2mm) (16 pcs)
		8381-010	Screw washer
		8381-011	Flathead screw(KM3X10mm) (16 pcs)

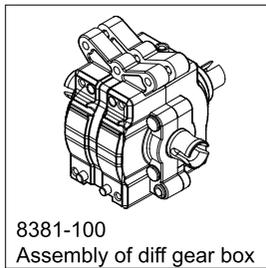
Parts List

Part#	Desc
8381-012	Flathead screw-coarse thread(KB3*10mm) (16 pcs)
8381-013	Flathead screw-coarse thread(KB3*12mm) (16 pcs)
8381-015	Flathead screw (KM3*18mm) (16 pcs)
8381-020	Hex driver H17
8381-022	17mm nut (4 pcs/set)
8382-001	Chassis
8382-002	Side guard-L/R
8382-003	Battery mount-A/B
8382-004	Upper deck mount-F/R
8382-005	Central drive shaft-C
8382-006	Central drive shaft-D
8382-007	Upper deck-C
8382-008	Upper deck-D
8382-009	Upper deck-E
8382-010	Wire mount-B
8382-011	Battery cover
8382-012	Painted body (PVC body)
8382-013	Upper deck E mount
H143	BrushlessESC(120A)
H115	Brushless motor (KV:2030)
H103	LiPo battery (7.4V, 20C, 3200mAh)
D301	Servo (9kg metal gears)
D302T	2.4GHz transmitter
D302S	2.4GHz receiver
8382-014	Painted body(PC body)
P101	Motor cooling fan/T head screw (TM4*22 mm)

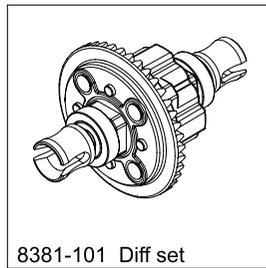
Optional & Upgrade Parts

Part#	Desc
P102	Smart multi-functional charger & discharger
P103	LiPo battery (7.4V, 30C, 3200mAh)
D302HT	2.4GHz LCD transmitter
P123	Central Diff Gear-45T (Zinc Alloy)
P124	Steering link
P125	Lower Suspension Arm (2 pcs)
P126	C-Hub (2 pcs)
P127	Suspension Mount (2 pcs)
P128	Left/Right Rear Hub
P129	Diff Case set/Diff Case Cover
P130	Front/Rear Diff Gear Box
8382-014	Printed Body (pc)
8382-014C	Clear PC body
8381-026	Receiver Cover (Upper/Lower-Waterproof)





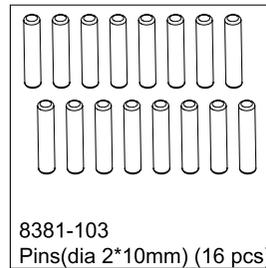
8381-100
Assembly of diff gear box



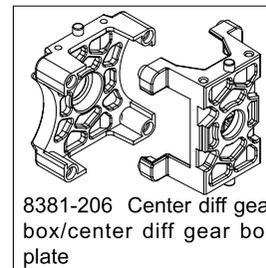
8381-101 Diff set



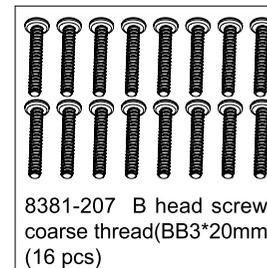
8381-102 Diff outdrive/pins
(dia 2*10mm)



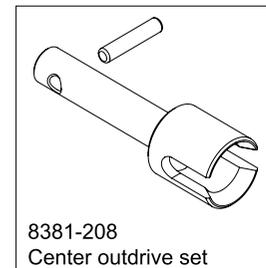
8381-103
Pins(dia 2*10mm) (16 pcs)



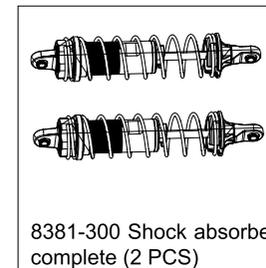
8381-206 Center diff gear
box/center diff gear box
plate



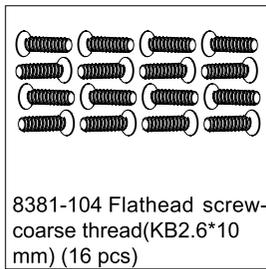
8381-207 B head screw-
coarse thread(BB3*20mm)
(16 pcs)



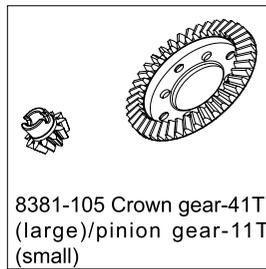
8381-208
Center outdrive set



8381-300 Shock absorber
complete (2 PCS)



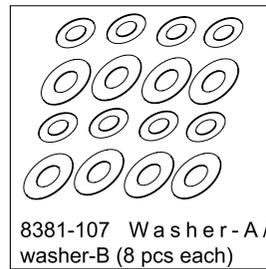
8381-104 Flathead screw-
coarse thread(KB2.6*10
mm) (16 pcs)



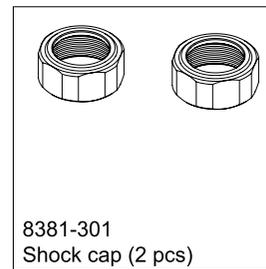
8381-105 Crown gear-41T
(large)/pinion gear-11T
(small)



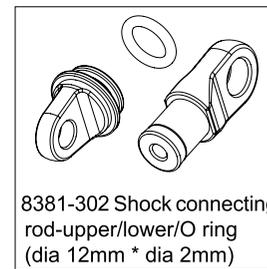
8381-106 Diff case set/
diff case cover/diff gasket



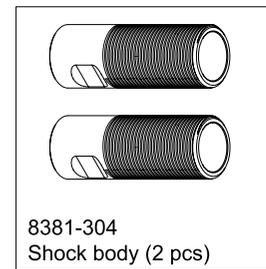
8381-107 Washer - A/
washer-B (8 pcs each)



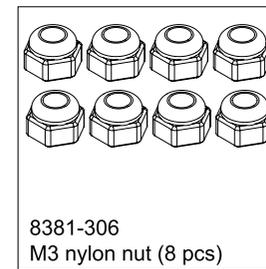
8381-301
Shock cap (2 pcs)



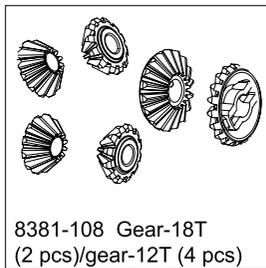
8381-302 Shock connecting
rod-upper/lower/O ring
(dia 12mm * dia 2mm)



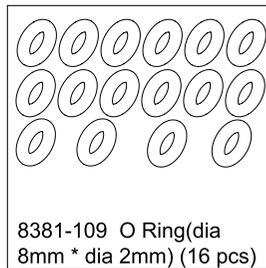
8381-304
Shock body (2 pcs)



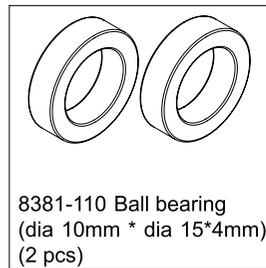
8381-306
M3 nylon nut (8 pcs)



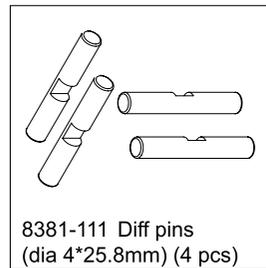
8381-108 Gear-18T
(2 pcs)/gear-12T (4 pcs)



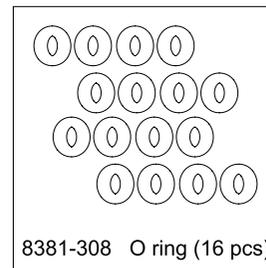
8381-109 O Ring(dia
8mm * dia 2mm) (16 pcs)



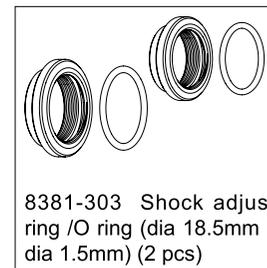
8381-110 Ball bearing
(dia 10mm * dia 15*4mm)
(2 pcs)



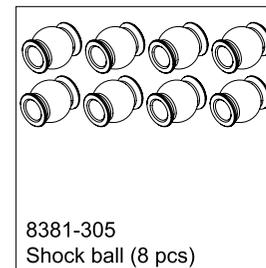
8381-111 Diff pins
(dia 4*25.8mm) (4 pcs)



8381-308 O ring (16 pcs)



8381-303 Shock adjust
ring /O ring (dia 18.5mm *
dia 1.5mm) (2 pcs)



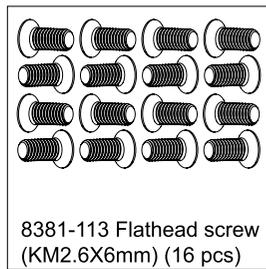
8381-305
Shock ball (8 pcs)



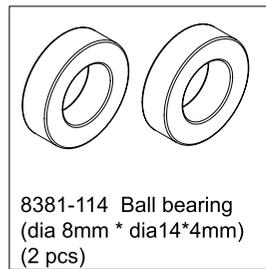
8381-307 Lower shock
mount/piston/O ring
(dia 13mm * dia 1.5mm)



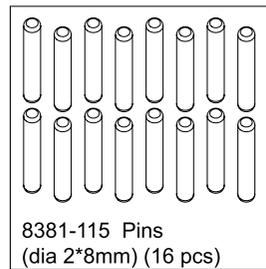
8381-112 Assembly of
the pinion gear



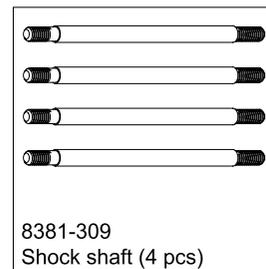
8381-113 Flathead screw
(KM2.6X6mm) (16 pcs)



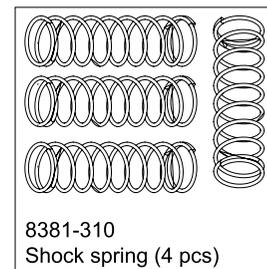
8381-114 Ball bearing
(dia 8mm * dia 14*4mm)
(2 pcs)



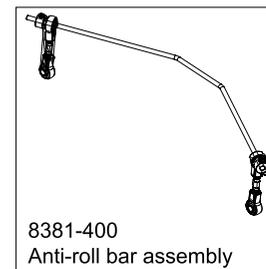
8381-115 Pins
(dia 2*8mm) (16 pcs)



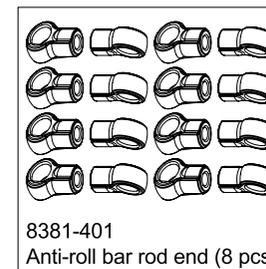
8381-309
Shock shaft (4 pcs)



8381-310
Shock spring (4 pcs)



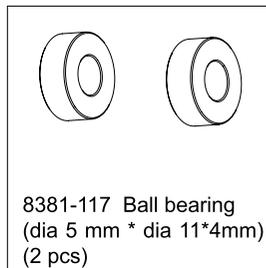
8381-400
Anti-roll bar assembly



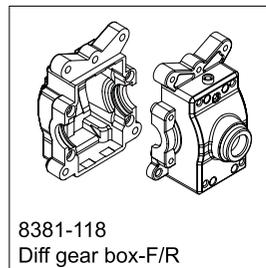
8381-401
Anti-roll bar rod end (8 pcs)



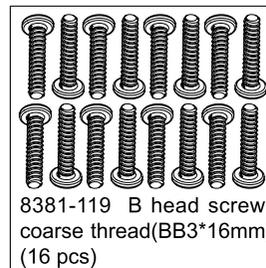
8381-116 Pinion gear
outdrive/pins (dia 2*8mm)



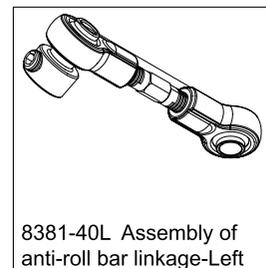
8381-117 Ball bearing
(dia 5 mm * dia 11*4mm)
(2 pcs)



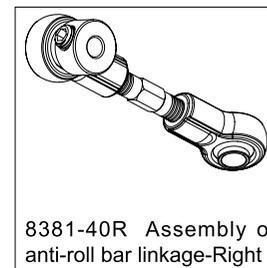
8381-118
Diff gear box-F/R



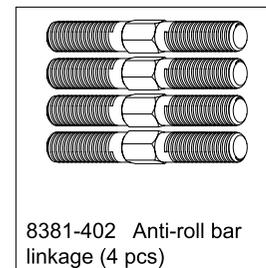
8381-119 B head screw-
coarse thread(BB3*16mm)
(16 pcs)



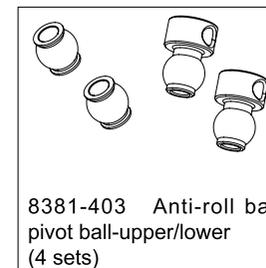
8381-40L Assembly of
anti-roll bar linkage-Left



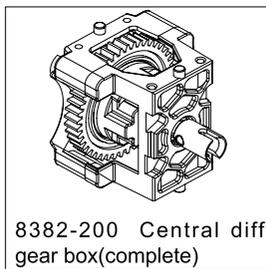
8381-40R Assembly of
anti-roll bar linkage-Right



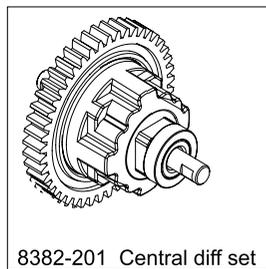
8381-402 Anti-roll bar
linkage (4 pcs)



8381-403 Anti-roll bar
pivot ball-upper/lower
(4 sets)



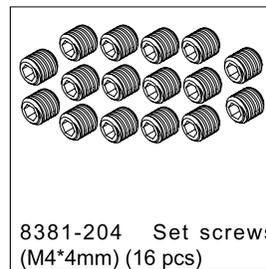
8382-200 Central diff
gear box(complete)



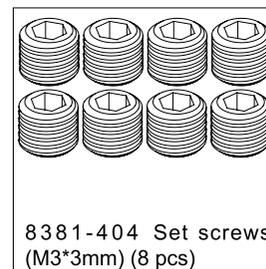
8382-201 Central diff set



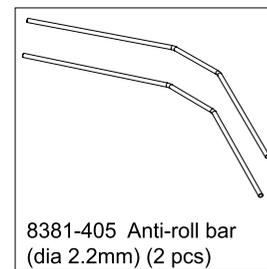
8382-202T Spur gear-
45T(plastic)(1pcs)



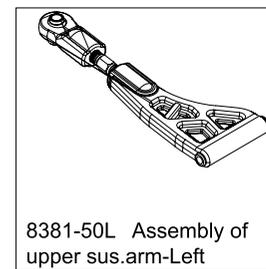
8381-204 Set screws
(M4*4mm) (16 pcs)



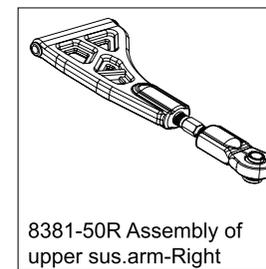
8381-404 Set screws
(M3*3mm) (8 pcs)



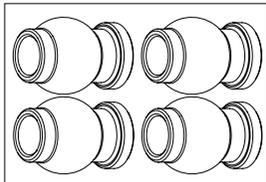
8381-405 Anti-roll bar
(dia 2.2mm) (2 pcs)



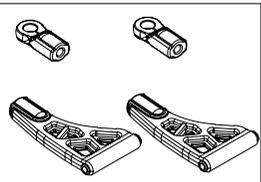
8381-50L Assembly of
upper sus.arm-Left



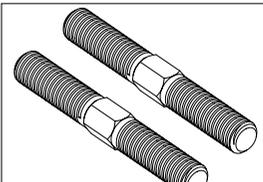
8381-50R Assembly of
upper sus.arm-Right



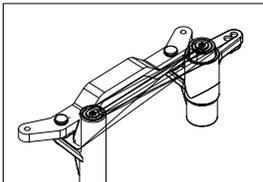
8381-501 Upper sus.arm ball (4 pcs)



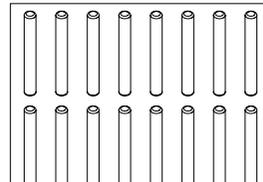
8381-502 Upper sus. arm/rod end (2 sets)



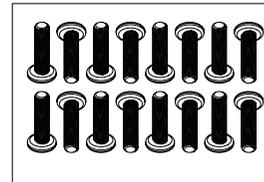
8381-503 Upper sus.arm linkage (2 pcs)



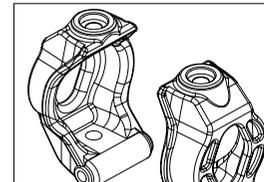
8382-600 Servo saver assembly-complete



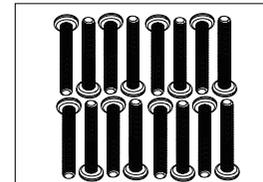
8381-729 Pins (dia 2*14mm) (16 pcs)



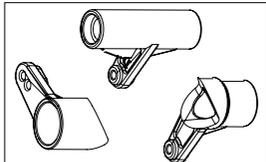
8381-713 B head screw (BM3*12mm) (16 pcs)



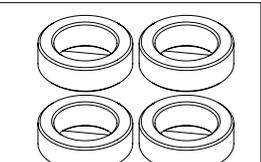
8381-714 C-hub (2 pcs)



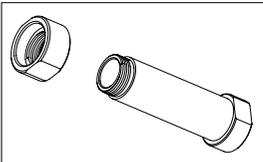
8381-715 B head screw (BM3*20mm)(16 pcs)



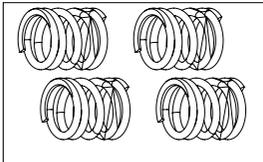
8382-601 Servo saver sus. Arm-upper/lower/steering sus. Arm



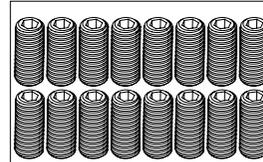
8381-601 Brass washer (4 pcs)



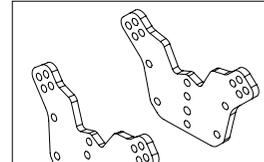
8381-602 Servo saver bushing/adjustment ring



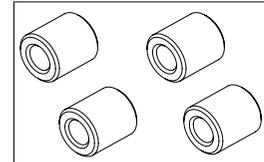
8381-603 Servo saver spring (4 pcs)



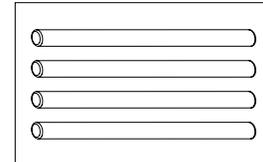
8381-716 Set screws (M4*10mm) (16 pcs)



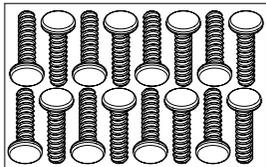
8381-717 Shock tower (2 pcs)



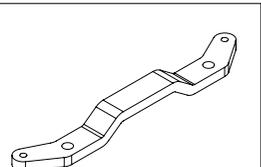
8381-718 Pivot ball mount (4 pcs)



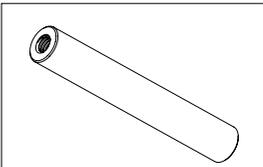
8381-719 Upper sus. shaft (4 pcs)



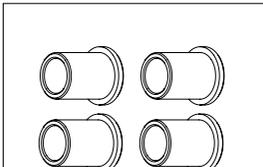
8381-605 B head screw-coarse thread (BB3*12mm) (16 pcs)



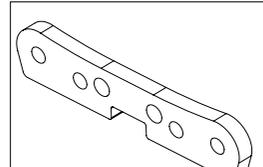
8381-607 Steering plate



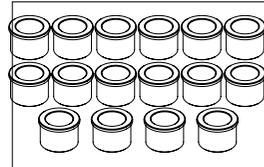
8381-608 Shaft (2 pcs)



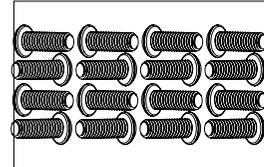
8381-609 Screw bushing(4pcs)



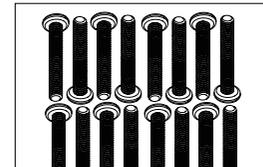
8381-721T Lower sus.arm plate-front



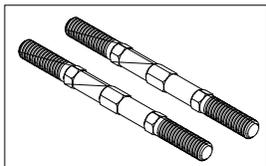
8381-723 C-hub screw bushing (16 pcs)



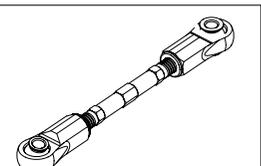
8381-724 T head screw (TM4*12mm) (16 pcs)



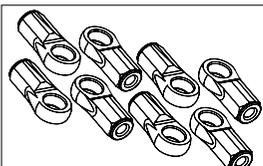
8381-725 T head screw (TM4*22mm) (16 pcs)



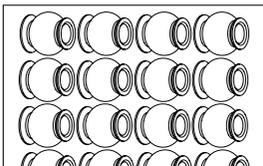
8381-6Z1 Steering linkage (2 pcs)



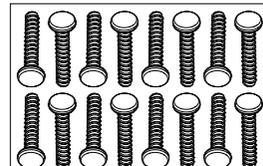
8381-6Z0 Assembly of steering linkage (2PCS)



8381-6Z2 Plastic rod end (8 pcs)



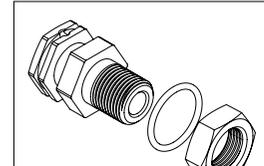
8381-6Z3 Double way ball end (8 pcs)



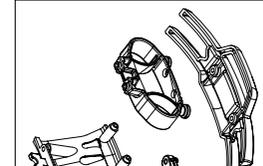
8381-726 B head screw-coarse thread(BB3*18mm) (16 pcs)



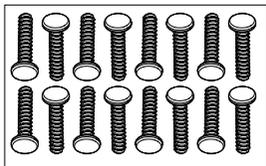
8381-735 Suspension arm shaft(3*55mm) (2pcs)



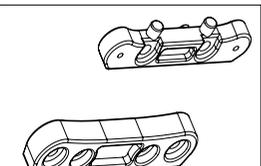
8382-701 Hex adapter/M12 17mm nut



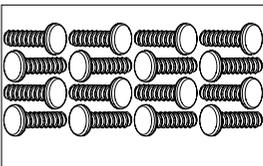
8382-702T Bumper/upper sus.arm mount



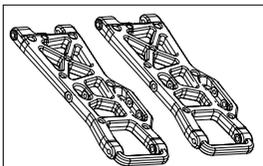
8381-702 B head screw-coarse thread(BB3*14mm) (16 pcs)



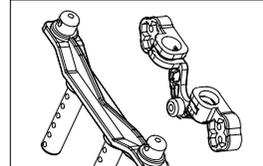
8381-701T Upper sus.arm mount-rear/suspension mount



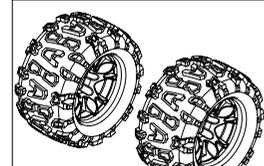
8381-703 B head screw-coarse thread(BB3*10mm) (16 pcs)



8381-706 Lower sus.arm-front (2 pcs)



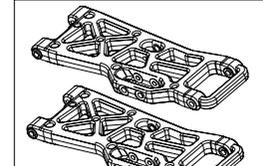
8382-703 Body post holder/body post



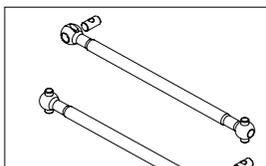
8382-704 Tire complete (2 pcs)



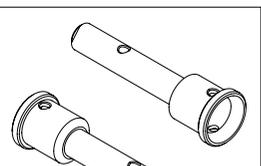
8382-705 B head screw (BM3*24mm)(16 pcs)



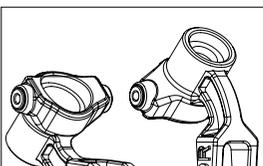
8381-801 Lower sus.arm-rear (2 pcs)



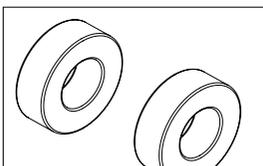
8381-707 Drive shaft set/revolving shaft (2 sets)



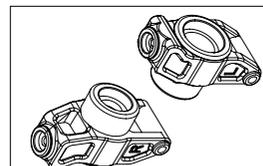
8381-708 Wheel axle (2 pcs)



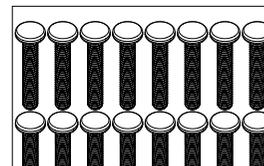
8381-709 Steering arm (2 pcs)



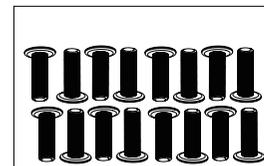
8381-710 Ball bearing(dia 6mm * dia 12*4mm) (2 pcs)



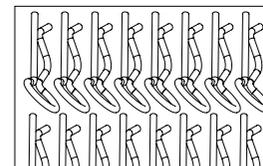
8381-802 Rear hub-L/R



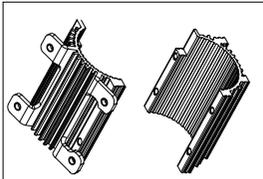
8381-803 B head screw (BM3*18mm) (16 pcs)



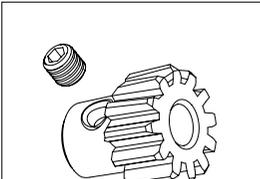
8381-805 B head screw (BM3*10mm)(16 pcs)



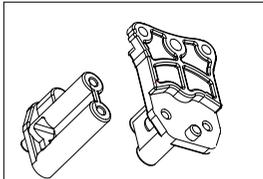
8381-807 Pin-A(dia 1.5mm) (16 pcs)



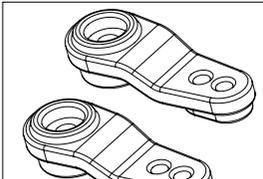
8381-9M1 Motor mount-Upper/Lower



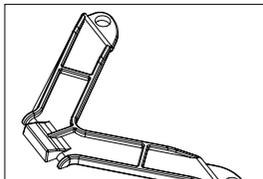
8382-9M1 Motor gear-12T/Set screw (M4*4)



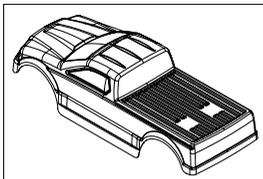
8382-9S1 Servo mount



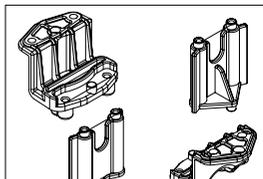
8381-9S2 Servo arm (2 pcs)



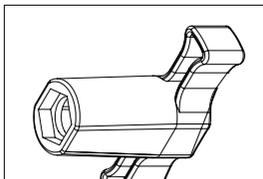
8382-011 Battery cover



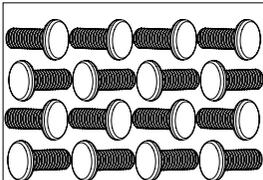
8382-012 Painted body (PVC body)



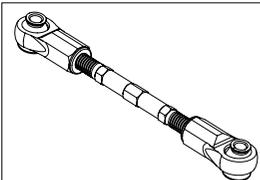
8382-013 Upper deck E mount



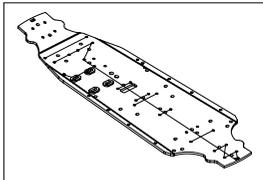
8381-020 Hex driver H17



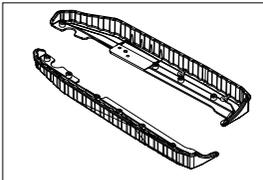
8381-9S3 B head screw (BM3*6mm) (16 pcs)



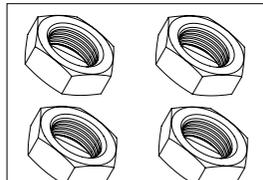
8382-9Z0 Assembly of steering tie rod



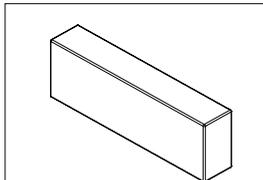
8382-001 Chassis



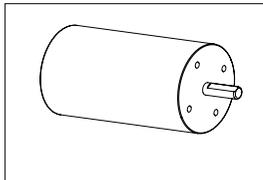
8382-002 Side guard-L/R



8381-022 17mm nut (4 pcs/set)



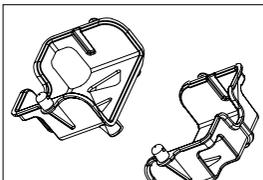
H103 LiPo battery (7.4V, 20C, 3200mAh)



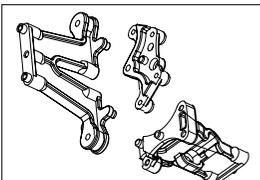
H115 Brushless motor (KV:2030)



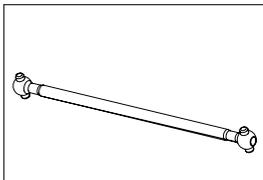
H143 Brushless ESC (120A)



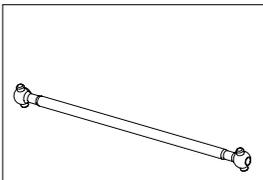
8382-003 Battery mount-A/B



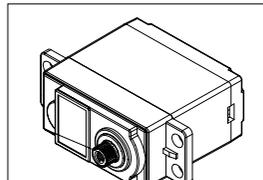
8382-004 Upper deck mount-F/R



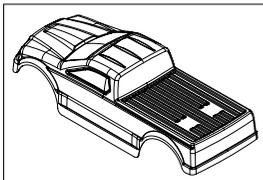
8382-005 Central drive shaft-C



8382-006 Central drive shaft-D



D301 Servo (9kg metal gears)



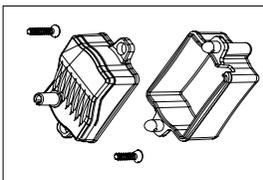
8382-014 Painted body (PC body)-Optional



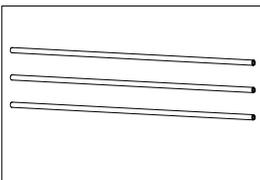
D302S 2.4GHz receiver



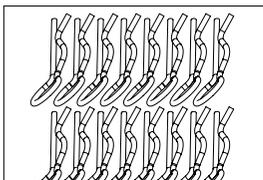
P101 Motor cooling fan/T head screw(TM4*22mm)



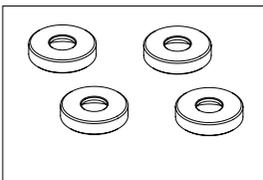
8381-007 Receiver cover-upper/lower



8381-008 Antenna tube (3 pcs)



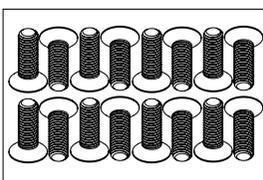
8381-009 Pin-B (dia 1.2mm) (16 pcs)



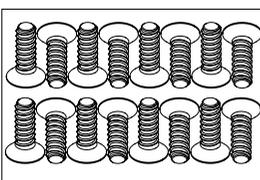
8381-010 Screw washer (4 pcs)



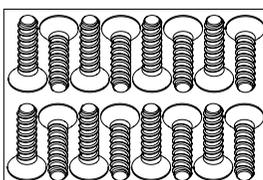
D302T 2.4GHz Transmitter



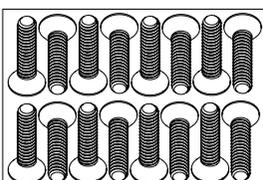
8381-011 Flathead screw (KM3*10mm) (16 pcs)



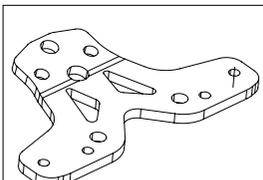
8381-012 Flathead screw-coarse thread (KB3*10mm) (16 pcs)



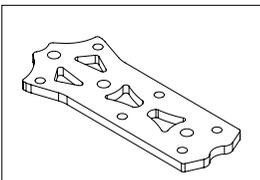
8381-013 Flathead screw-coarse thread (KB3*12mm) (16 pcs)



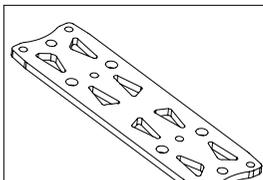
8381-015 Flatheadscrew (KM3*18mm)(16 pcs)



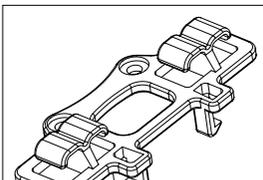
8382-007 Upper deck-C



8382-008 Upper deck-D

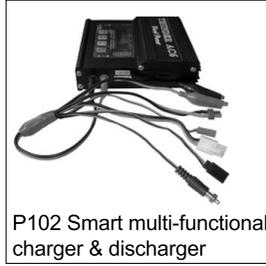


8382-009 Upper deck-E

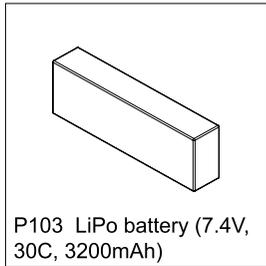


8382-010 Wire mount-B

Optional & Upgrade Parts



P102 Smart multi-functional charger & discharger



P103 LiPo battery (7.4V, 30C, 3200mAh)



D302HT 2.4GHz Transmitter with LCD Display



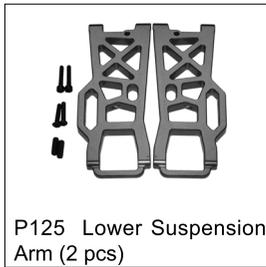
8382-014C Clear PC body



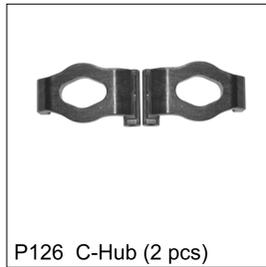
P123 Central Diff Gear-45T (Zinc Alloy)



P124 Steering link



P125 Lower Suspension Arm (2 pcs)



P126 C-Hub (2 pcs)



P127 Suspension Mount (2 pcs)



P128 Left/Right Rear Hub



P129 Diff Case set/Diff Case Cover



P130 Front/Rear Diff Gear Box


Shenzhen Bontek Electronic Technology Co., Ltd.

CE Attestation of Conformity

Certification number: BCT11GC-1068E Report number: BCT11GR-1068E-1, BCT11GR-1068E-2
Shenzhen Bontek Electronic Technology Co., Ltd. hereby declares that testing has been completed and reports have been generated for:

Applicant: **DHK TECHNOLOGY CO. LTD.**
 E2 Bldg, Wanfeng Western Ind Zone, Heyi, Shajing, Shenzhen, China
 518104

Manufacturer: **DHK TECHNOLOGY CO. LTD.**
 E2 Bldg, Wanfeng Western Ind Zone, Heyi, Shajing, Shenzhen, China
 518104

Trade Mark: **DHK HOBBY**

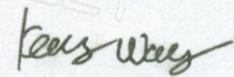
Product: **2.4GHz Transmitter & Receiver**

Model: **D302T, D302HT**

And, in accordance to the following applicable directives:
1999/5/EC R&TTE Directive (as amended)

That this product has been assessed against the following applicable Standards;
R&TTE
 ETSI EN 300 440-1 V1.6.1
 ETSI EN 300 440-2 V1.4.1
 ETSI EN 301 489-1 V1.8.1
 ETSI EN 301 489-3 V1.4.1

Therefore, SHENZHEN BONTEK ELECTRONIC TECHNOLOGY CO., LTD. hereby acknowledges that the Manufacturer may issue a DECLARATION OF CONFORMITY and apply the CE mark in accordance to European Union Rules.

Attestation by: 



Kendy Wang Date of Issued: Sep. 5, 2011
 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China
 Tel: +86-755-86337020 Fax: 86-755-86337028 http://www.bontek.com.cn


CERTIFICATE
Of Conformity

Certificate No.	: USG2013112501C-E
Applicant	: Shenzhen Surpass Tech Co.,Ltd. Egong Ridge, Pinhu Town, Longgang Dist. Shenzhen Guangdong 518111 CHINA
Manufacturer	: Shenzhen Surpass Tech Co.,Ltd. Egong Ridge, Pinhu Town, Longgang Dist. Shenzhen Guangdong 518111 CHINA
Product	: brushless motor
M/N	: 540、550、2030、2040、2845、2850、2860、3650、3655、3660、3665、3674、4068、4076、4082、4092、5693、56113
Trademark	: 
Test Standard	: EN 60034-1 EN 61000-3-2 EN 61000-3-3 EN 55014-1 EN 55014-2

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2006/95/EC(73/23/EEC)2004/108/EC. It is possible to use CE marking to demonstrate the compliance with this EMC Directive. The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: USG2013112501R-E.




 Bruce Zhao
 Date: Nov. 25. 2013

Shenzhen USG Technology Co.,Ltd
 Block A, Anle Industrial Zone, Hangcheng Road, Xixiang Town, Shenzhen, China
 Tel: 86-755-26458601 Fax: 86-755-61653962 www.szdezhuo.com


Certificate
Of Conformity

Certificate No.	: USGRS2013112504
Applicant	: Shenzhen Surpass Tech Co.,Ltd. Egong Ridge, Pinhu Town, Longgang Dist. Shenzhen Guangdong 518111 CHINA
Product	: brushless motor
M/N	: 540、550、2030、2040、2845、2850、2860、3650、3655、3660、3665、3674、4068、4076、4082、4092、5693、56113
Trademark	: 
Test Standard	: EPA 3050B:1996、EN 1122:2001 EPA 3052:1996、EPA 3060A EPA 7169A、EPA 3540C、EPA 8270C

The EUT described above has been consolidated by us and found in compliance with the council RoHS directive---2002/95/EC. It is only valid in connection with the test report number: USG2013112504.

RoHS

Manager 
 Date: Nov. 25. 2013

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