

R/C Equipment (키트 외에 준비 해야할 물품)



■ RADIO CONTROL UNIT 2채널 송수신기 세트



2 channel Radio Control unit
2채널 송수신기 세트

Battery
송수신기용 배터리
(1.5V 8EA)

This kit is designed for a 2 channel 2 servo digital proportional type of radio control system.
Almost any 2 channel radio can be used. A unit can be used in other model.

본 키트에는 2채널 송수신기 세트를 이용한다. 어느 회사의 것이든 무방하며, 일단 1세트가 준비되면 여러가지 R/C 모형에 응용하여 사용할 수 있다.

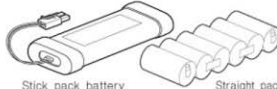
■ BUGGY CAR BODY(Included) 버그카 바디(Kit에 포함)



■ 540 TYPE MOTOR 540타입 모터



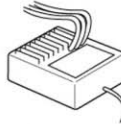
■ Ni-Cd BATTERY 7.2V 충전배터리



Stick pack battery 스틱팩 배터리
Straight pack battery 스트레이트팩 배터리

It can be recharged more than 300times.
니카드 배터리라고도 하며 충전하여 계속 사용(300회 정도) 할 수 있는 전지를 말한다.

■ ELECTRONIC SPEED CONTROLLER 전자변속기



■ CHARGER for Ni-Cd/Ni-MH Battery Ni-Cd/Ni-MH 배터리 전용 충전기



■ POLYCARBONATE PAINT 색칠에 필요한 재료

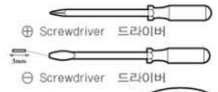


Polycarbonate paint
포리카보네이트 스프레이

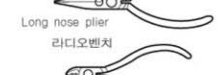
Masking tape
마스킹테이프

■ TOOLS

조립에 필요한 공구



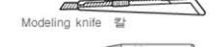
Screwdriver 드라이버
Screwdriver 드라이버



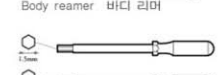
Long nose plier
라디오번치



Nipper 니퍼
Scissors 가위



Modeling knife 칼
Body reamer 바디 리머



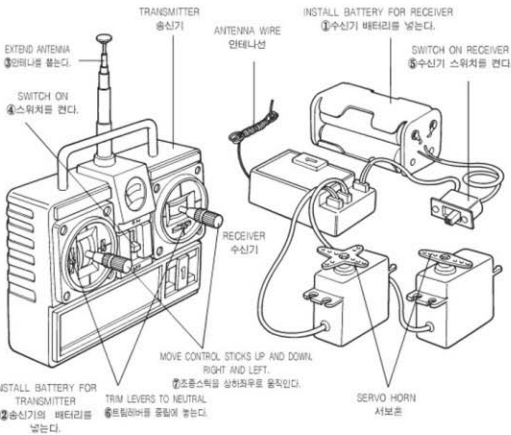
Hex driver 육각드라이버

■ GLUE 접착제



Instant glue
순간접착제

■ RC EQUIPMENT 송수신기의 동작시침



The digital proportional system comprises a transmitter, receiver, servos, etc.

- Transmitter - Serves as a control box. Stick movements are transformed into radio wave signals which are transmitted through antenna.
- Receiver - Receives signal from the transmitter.
- Servos - Servo transforms signals received by the receiver into mechanical movements and actuates the controlled portion of the car.
- Trim Lever - Trim Lever is used to change the direction of the front wheel or to control speed.
- Level Meter - Level Meter shows that batteries for the transmitter are playing out.
- Servo Horn - Servo Horn joints servo with the controlled portion of the car.

2채널 송수신기 세트는 송신기와 수신기, 서어보 및 배터리케이스로 구성되어 있다.

- 송신기 - 조종하는 컨트롤 박스로서 모터의 회전, 키의 좌우 움직임을 안테나를 거쳐 전파로 송신한다.
- 수신기 - 송신기로부터 전파를 받아서 서어보로 보낸다.
- 안테나 - 송신기의 안테나는 전파를 보내고 수신기의 안테나는 전파를 들어오는 중요한 것으로 최대한 길게 사용하는 것이 좋다.
- 트림레버 - 송신기의 트림레버는 서어보의 중심위치를 좌우로 조금씩 움직여 속도조절이나 키의 방향을 수정할 때 사용한다.
- 레벨미터 - 송신기의 전압이 소모된 정도를 나타내는 눈금으로 송수신기의 전압이 약할 경우 잘못된 동작을 하는 경우가 있으므로 항상 주의한다.
- 서어보호른 - 서어보와 차의 컨트롤부분을 연결하는 것으로서 여러종류가 있으므로 사용 목적에 맞는 형태를 사용한다.

■ 부품들 조립하기전에

- 구입 후 조립하기 전에는 반드시 부품도와 대조, 확인하고 불량 부품이나 부족한 부품이 있을 경우에는 구입한 직매점이나 A/S센터를 이용하시기 바랍니다.
- 조립을 시작한 후에는 반품이나 교환을 사절합니다. ● 작은 비스, 너트 등은 모양이 비슷하므로 설명서를 잘 읽어 본 후 조립합니다.
- 송수신기 및 서어보에 물이 들어갔을 경우 보증수리가 되지 않으니 취급에 주의한다. ● 한 가지씩 조립을 확실한 해나가는 것이 고장을 막고 성능을 충분히 발휘하는 좋은 R/C모형이 된다.
- Before assembling a kit, please be sure to check the parts up with its parts list. ● Small screws and nuts look alike and read instructions very well before assembling.
- To make a good R/C model of high-performance but less trouble, it needs to make the correct and steady assembling step by step.

* Do not use excessive force when tightening the tapping screws and bolts. 볼트 및 비스를 잘 때 너무 무리하게 힘을 가하지 않는다.



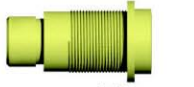
Apply grease to the place.
반대측도 조립한다.
Grease 그리스를 바른다

Apply instant glue to the place.
순간접착제를 바른다
Glue

① A (Damper Parts)



AL Damper Cap × 4
AL 댐퍼캡



Damper Cylinder[®] S[®] (Front) × 2
댐퍼실린더



Damper Cylinder[®] M[®] (Rear) × 2
댐퍼실린더



#2-5 Damper Piston × 4
댐퍼피스톤



ø2 E-Ring × 8
링



ø3 × 6 Washer × 4
와셔



ø3 O-Ring × 8
링



ø8 Snapping × 4
스냅링



ø5.8 Ball × 2
볼



Pivot Ball[®] A[®] × 2
피벗볼



Damper Cap Bush × 4
댐퍼캡부쉬



ø13 × 16 O-Ring × 4
링



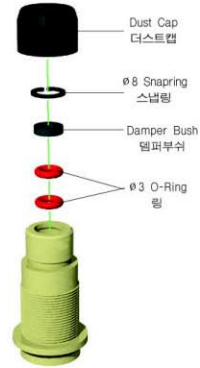
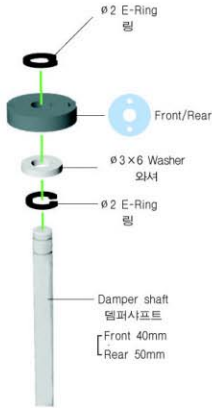
Diaphragm × 4
다이아프램



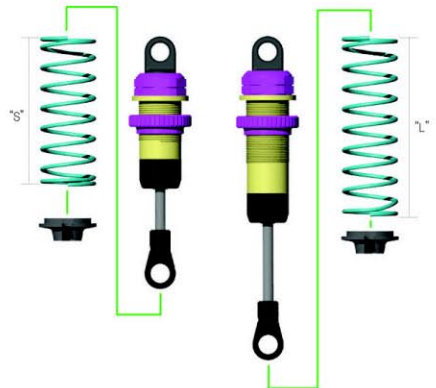
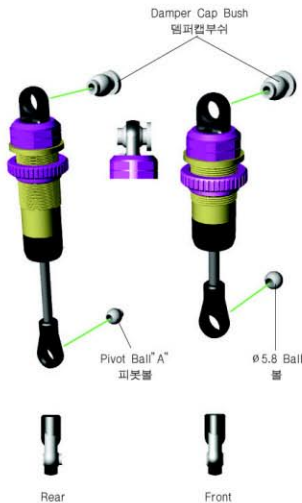
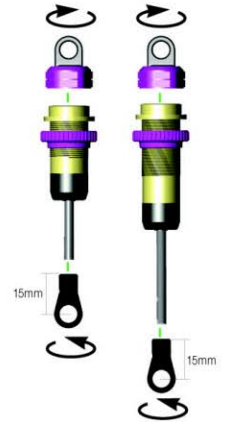
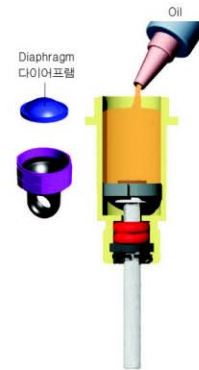
Damper Spring Adjuster × 4
댐퍼스프링어저스터



Dust Cap × 4
더스트캡



Damper Spring Adjuster
댐퍼스프링어저스터



② B (Steering Parts)



Stap Bolt x2
스탑볼트



Steering Post "B" x1
스티어링포스트



Steering Post "A" x1
스티어링포스트



ø 4.3 Pin Ball x5
핀볼



Saver Spring x1
세이버스프링



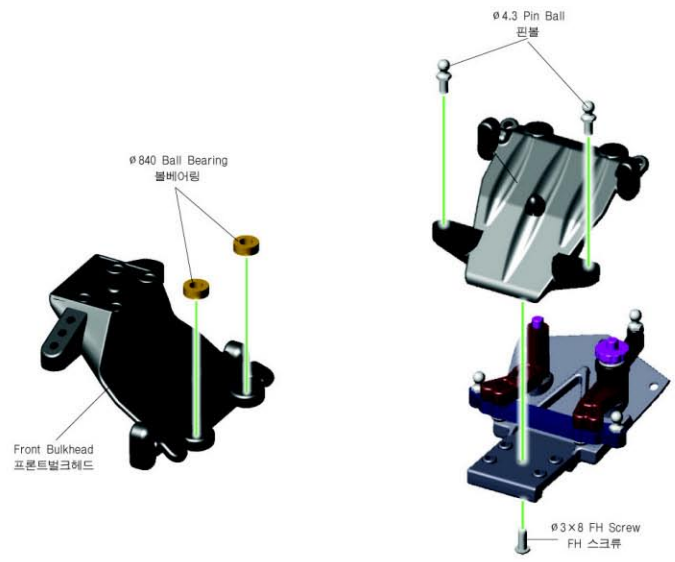
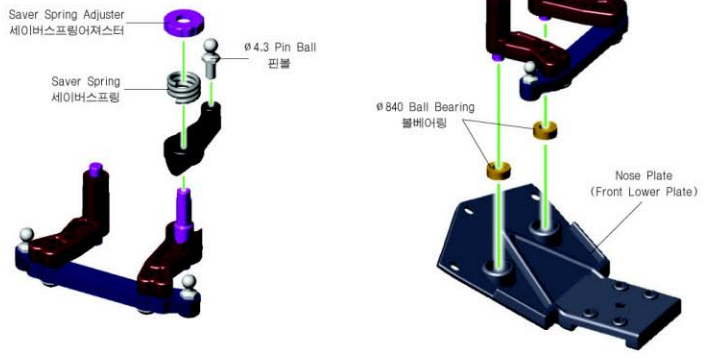
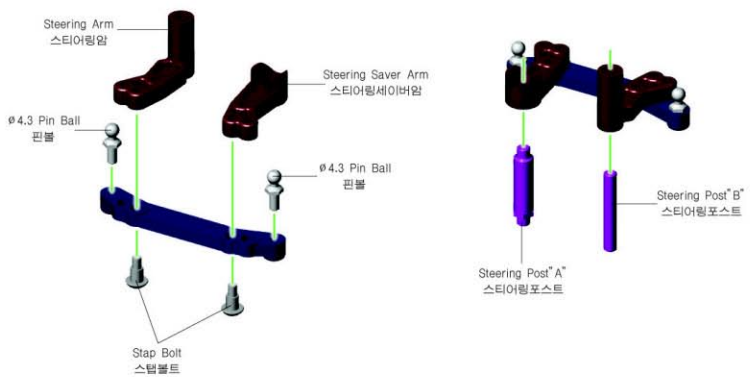
Saver Spring Adjuster x1
세이버스프링어저스터



ø 840 Ball Bearing x4
볼베어링



ø 3 x 8 FH Screw x1
FH 스크류

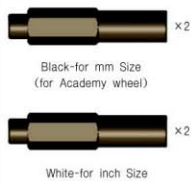


3 C    

 $\varnothing 4.3$ Pin Ball x4
핀볼

 $\varnothing 3 \times 8$ RH Screw x2
RH 스크류

Front Axle



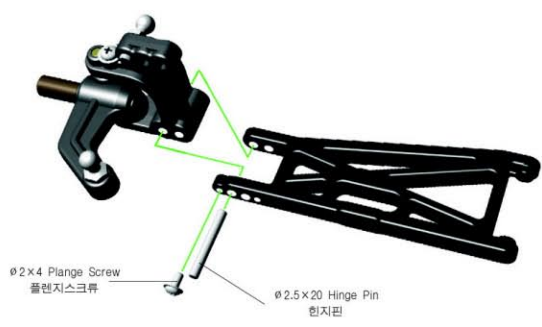
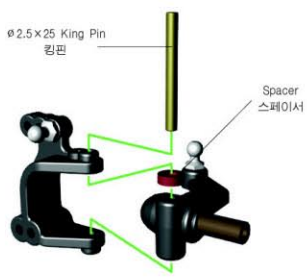
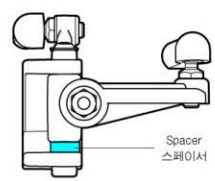
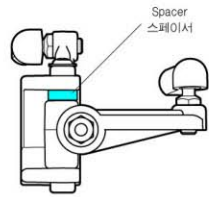
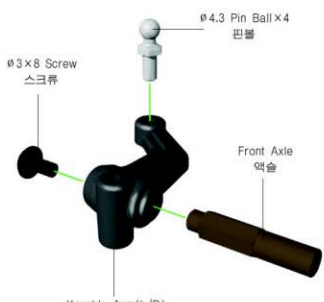
Black-for mm Size
(for Academy wheel)

White-for inch Size

 $\varnothing 2.5 \times 25$ King Pin x2
킹핀

 $\varnothing 2.5 \times 20$ Hinge Pin x2
힌지핀

 $\varnothing 2 \times 4$ Plange Screw x4
플랜지스크류



④ C (Front Arm/Bulkhead) 2mm



Ø3×33 Hinge Pin ×2
힌지



Plastic front arm mount (25°/30°)
플라스틱 프론트암마운트



Al front arm mount ×1 (27.5°)
Al 프론트암마운트



Hinge Pin Bush ×4
힌지핀부쉬



Ø2×6 FH screw ×2
FH 스크류



Ø3×14 FH screw ×4
FH 스크류



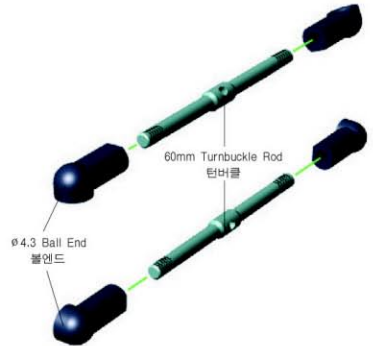
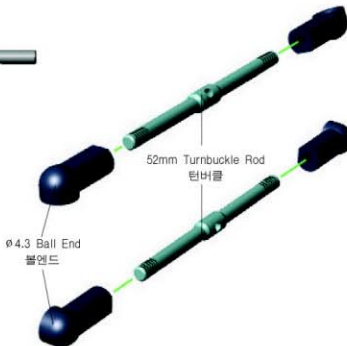
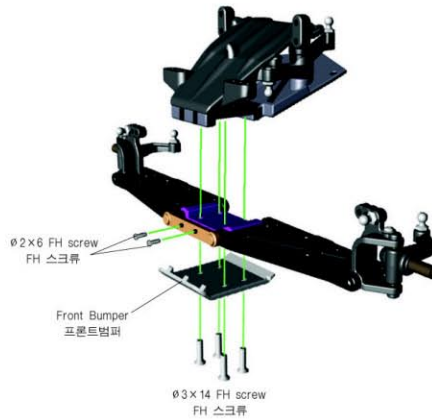
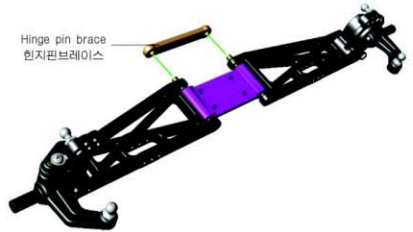
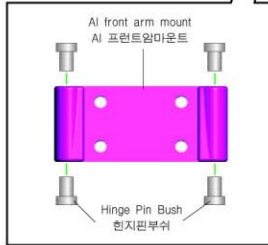
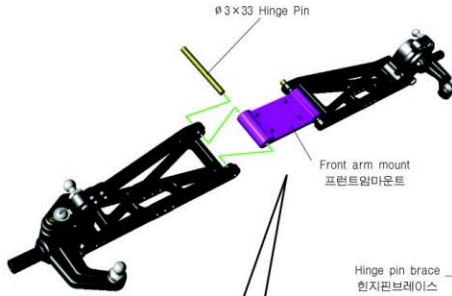
60mm Turnbuckle Rod ×2
턴버클

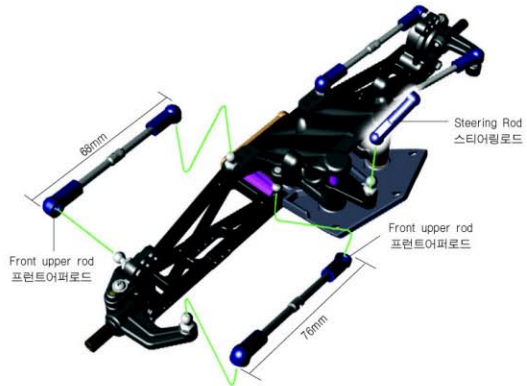


52mm Turnbuckle Rod ×2
턴버클



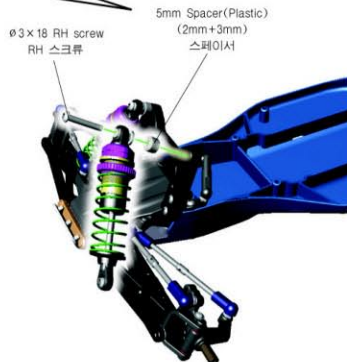
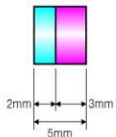
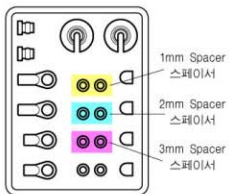
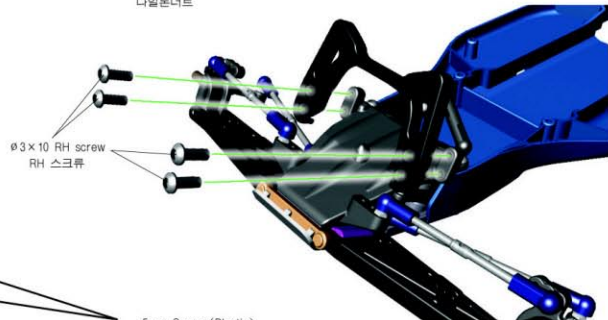
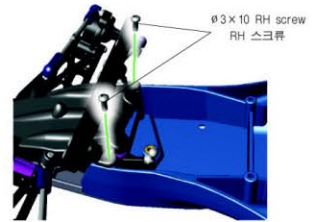
Ø4.3 Ball End ×8
볼엔드





5 D 

-  $\phi 3 \times 10$ RH screw X2
RH 스크류
-  $\phi 3 \times 10$ FH screw X3
FH 스크류
-  $\phi 3$ Nylon Nut X1
나일론너트
-  $\phi 3 \times 10$ RH screw X4
RH 스크류
-  $\phi 3 \times 18$ RH screw X2
RH 스크류
-  $\phi 3 \times 12$ RH screw X2
RH 스크류





Ball diff nut x1
볼디프너트



Ball diff hub "A"
볼디프허브 "A"



Ball diff hub "B"
볼디프허브 "B"



Thrust washer x2
스러스트와샤



ø2 Thrust ball x6
스러스트볼



ø2.5 diff Ball x12
디프볼



Ball diff spring x1
볼디프스프링



Ball diff washer x2
볼디프와샤



850 Ball bearing x2
볼베어링



Mid shaft x1
미드샤프트

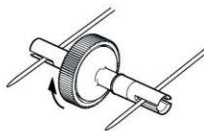
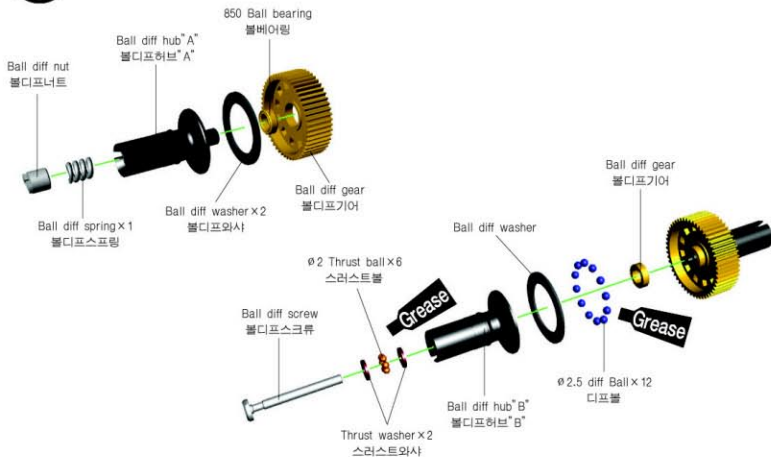


1050 Ball bearing x4
볼베어링



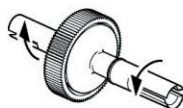
1510 Ball bearing x2
볼베어링

⑥ E (Ball Diff)



The differentials should be tightened until the gear can not be rotated when both of the diff joint cup are held.

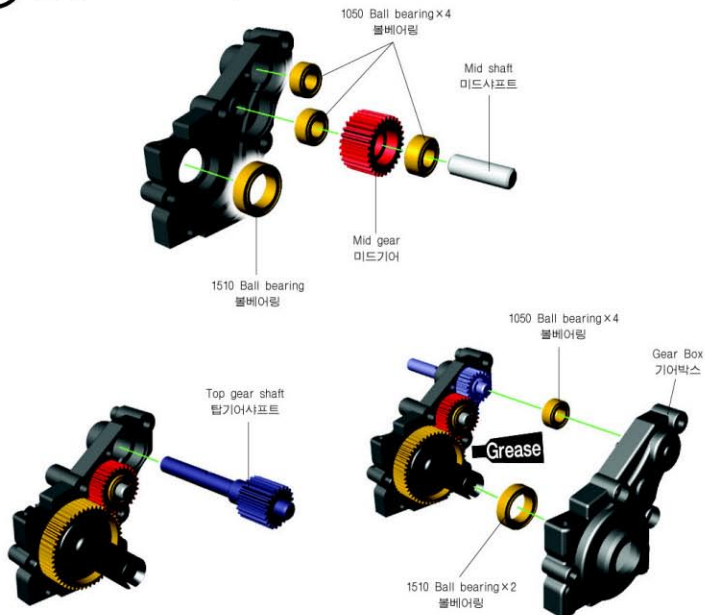
그림과 같이 양쪽의 디프조인트컵을 고정시키고 디프기어가 슬립하지 않을 정도까지 죄어본다. 너무 세게 죄지 말 것. 무리하게 죄면 디프와셔가 파손될 수 있다.



The differentials should spin smoothly after they are assembled.

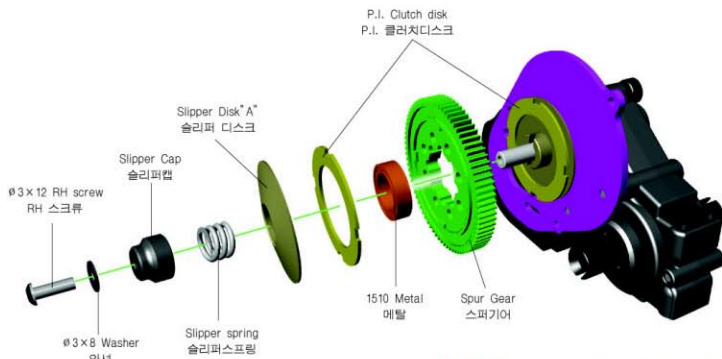
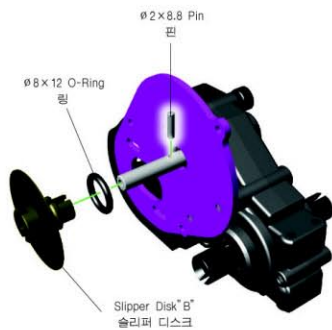
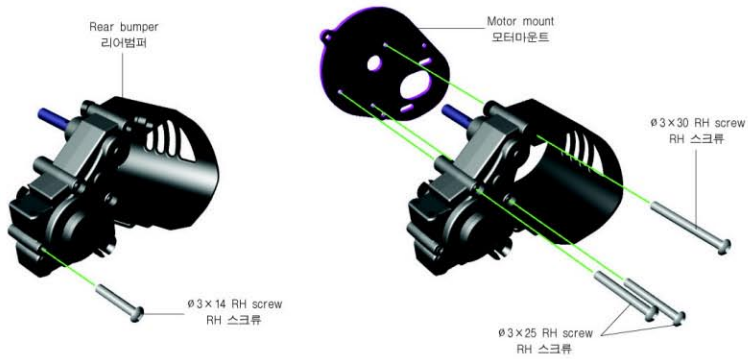
디프기어는 그림과 같이 부드럽게 움직이도록 조립한다. 너무 세게 죄지 않도록 주의.

⑦ E (Gear Box)



-  $\varnothing 3 \times 14$ RH screw $\times 1$
RH 스크류
-  $\varnothing 3 \times 25$ RH screw $\times 2$
RH 스크류
-  $\varnothing 3 \times 30$ RH screw $\times 1$
RH 스크류
-  $\varnothing 2 \times 8.8$ Pin $\times 1$
핀
-  $\varnothing 8 \times 12$ O-Ring $\times 1$
링
-  Slipper Disk "B" $\times 1$
슬리퍼 디스크
-  Slipper Disk "A" $\times 1$
슬리퍼 디스크
-  P.I. Clutch disk $\times 2$
P.I. 클러치디스크
-  1510 Metal $\times 1$
메탈
-  Slipper spring $\times 1$
슬리퍼스프링
-  $\varnothing 3 \times 8$ Washer $\times 1$
와셔
-  $\varnothing 3 \times 12$ RH screw $\times 1$
RH 스크류

⑧ E,F (Slipper Clutch)



Ø 2 × 11 pin × 2
핀

Ø 3 × 2.5 Set screw × 2
세트스크류

Ø 4.5 × 6.5 Joint pin × 2
조인트핀

1050 Ball bearing × 4
볼베어링

Ø 4.3 Pin Ball × 2
핀볼

Bearing spacer × 2
베어링스페이서



AL Rear arm mount R-A × 1
AL 리어암마운트



AL Rear arm mount R-B3 × 1
AL 리어암마운트

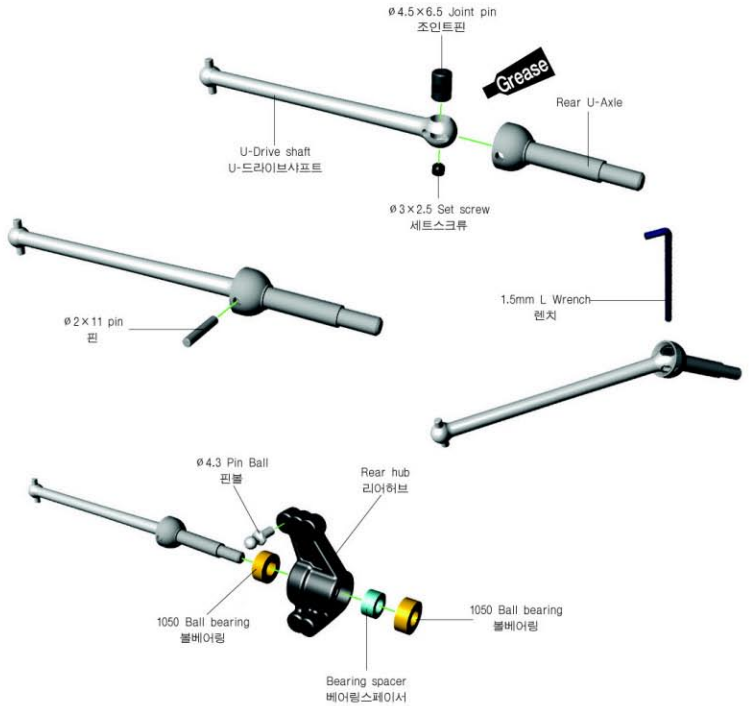


55mm Hinge pin × 2
힌지핀

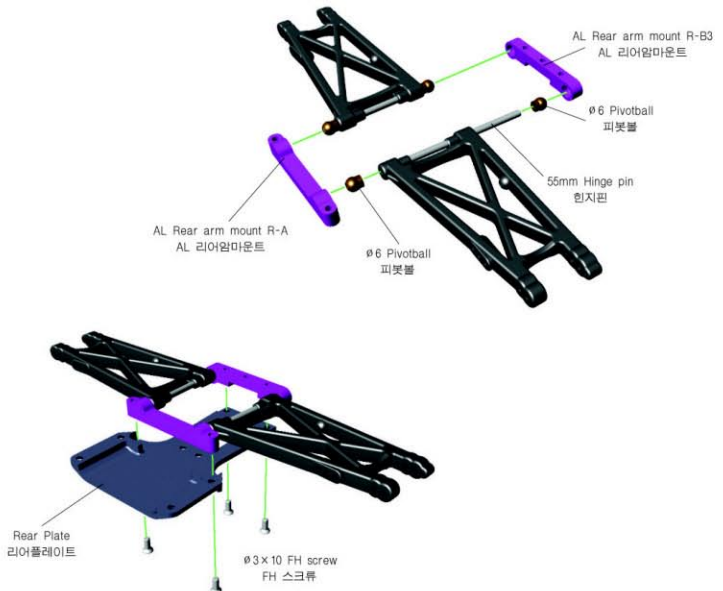
Ø 3 × 10 FH screw × 4
FH 스크류

Ø 6 Pivotball × 4
피봇볼

⑨ G (Universal Drive Shaft)



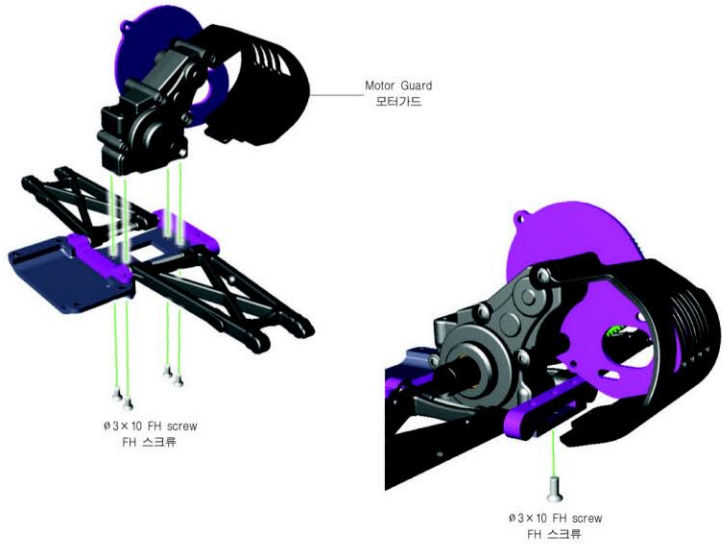
⑩ G (Rear Sus Arm)



11 F,G



ø 3 x 10 FH screw x 4
FH 스크류



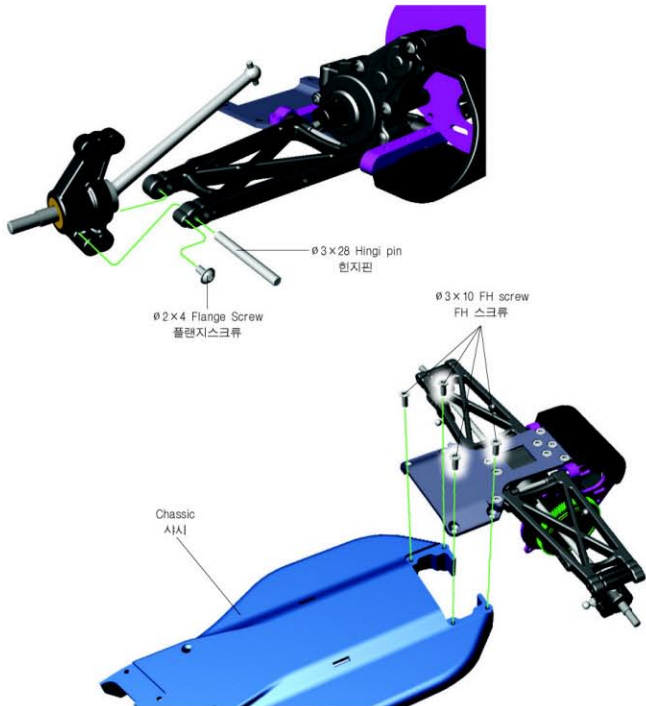
ø 2 x 4 Flange Screw x 2
플랜지스크류



ø 3 x 10 FH screw x 4
FH 스크류



ø 3 x 28 Hing pin x 1
힌지핀



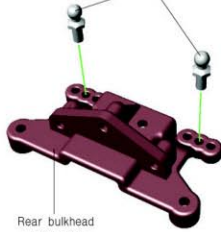
12 D  



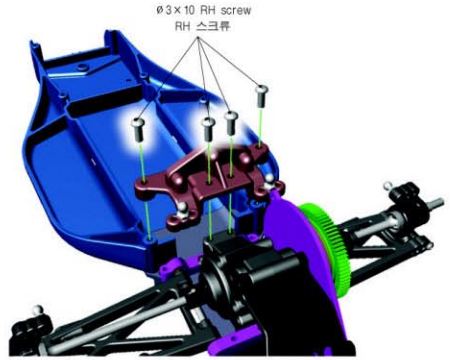
ø 4.3 Pin Ball x2
핀볼



ø 3 x 10 RH screw x4
RH 스크류



Rear bulkhead
리어벌크헤드



ø 3 x 10 RH screw
RH 스크류



Rear Damper stay
리어댐퍼스테이

ø 3 x 10 RH screw
RH 스크류



ø 3 x 10 RH screw x3
RH 스크류



52mm Turnbuckle Rod x2
턴버클

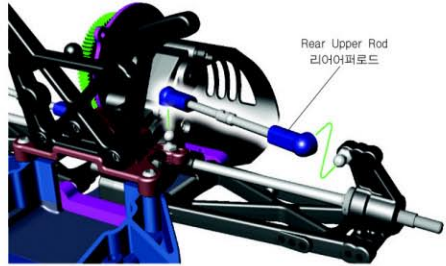
Rear Upper Rod



52mm Turnbuckle Rod x2
턴버클



66mm



Rear Upper Rod
리어어퍼로드



ø 3 x 18 RH screw x2
RH 스크류

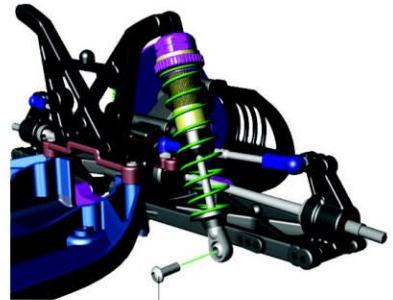


ø 3 x 12 RH screw x1
RH 스크류

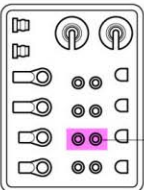


3mm Spacer
스페이서

ø 3 x 18 RH screw
RH 스크류



ø 3 x 12 RH screw
RH 스크류



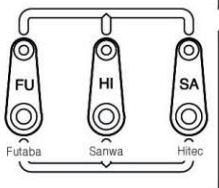
3mm Spacer
스페이서

13 H



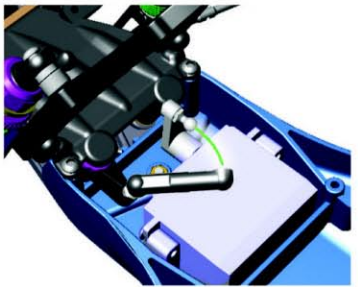
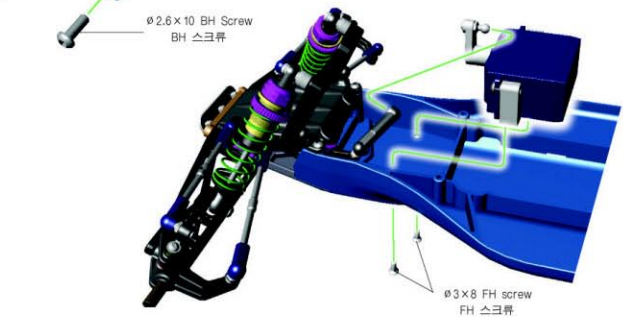
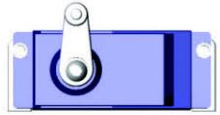
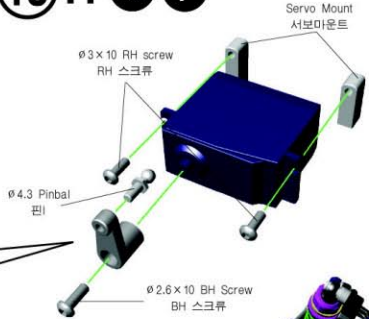
ø 4.3 Pin Ball × 2
핀볼

ø 2.6 × 10 BH Screw × 1
BH 스크류

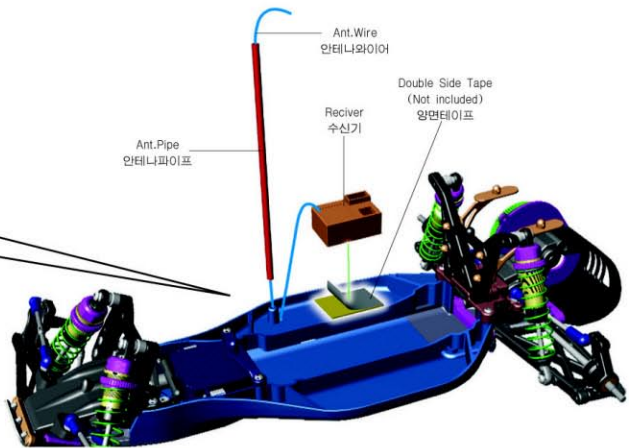
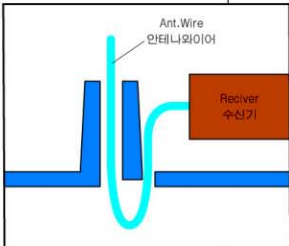


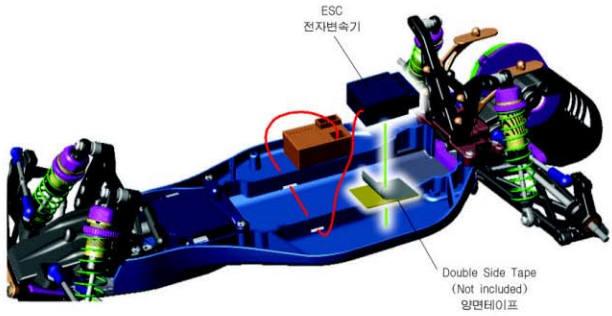
ø 3 × 10 RH screw × 4
RH 스크류

ø 3 × 8 FH screw × 2
FH 스크류

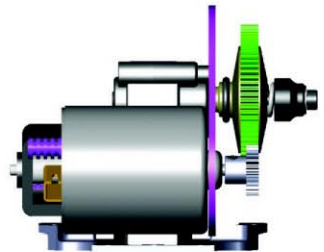



Battery strap mount
배터리스트랩마운트





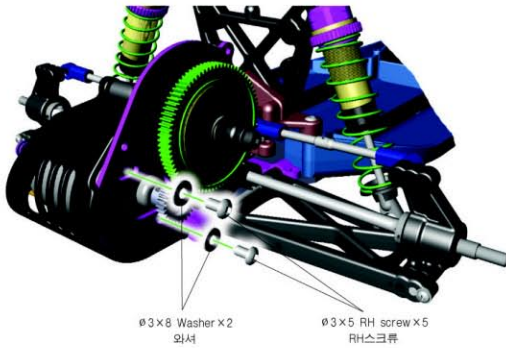
14 |  



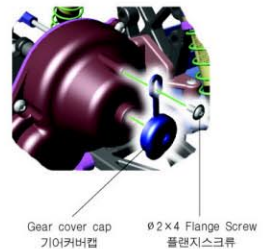
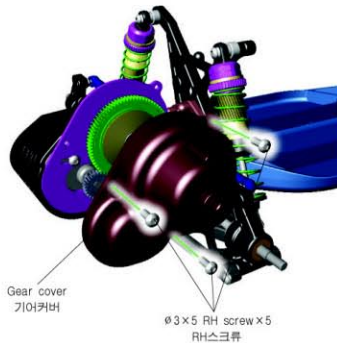
 3 x 3 Set screw x 1 세트스크류

 $\phi 3 \times 5$ RH screw x 5 RH스크류

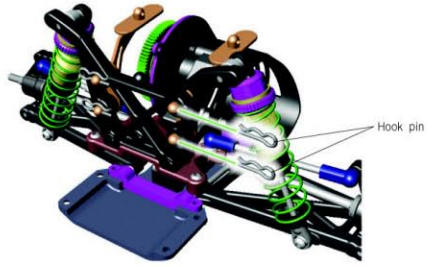
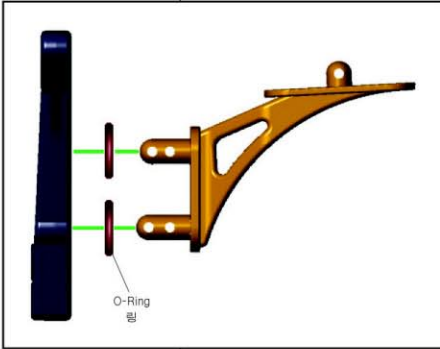
 $\phi 3 \times 8$ Washer x 2 washer



 $\phi 2 \times 4$ Flange Screw x 1 플랜지스크류



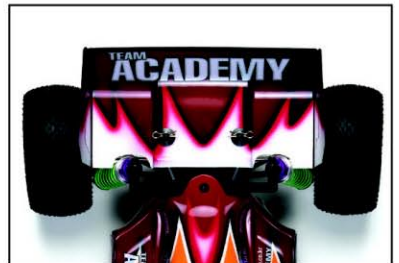
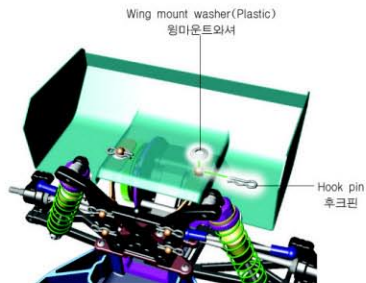
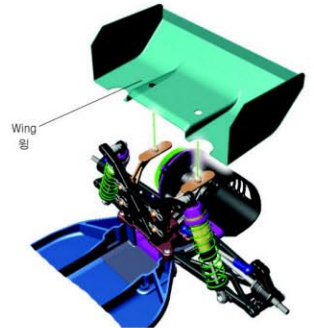
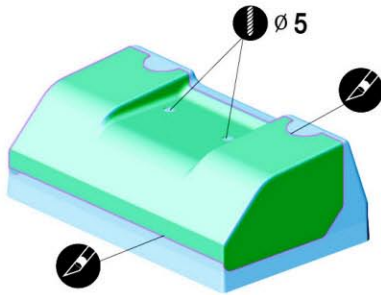
⑮ (Wing Mount/Wing)



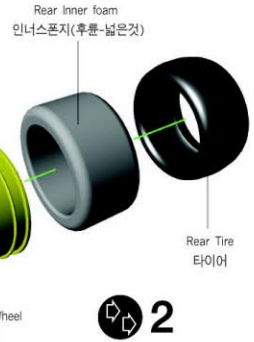
Ø 3 O-Ring × 4
링



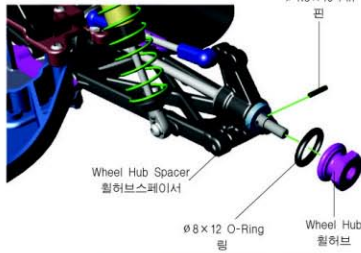
Hook pin × 6
후크핀



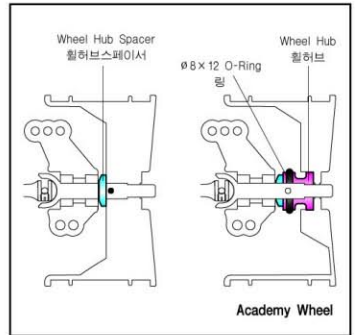
16 (Tire/Wheel)



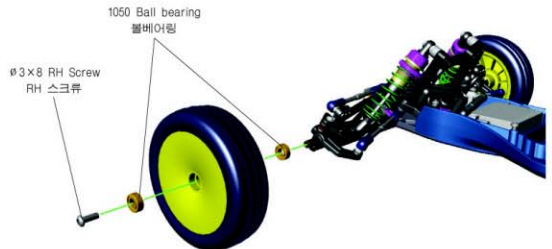
Ø 1.5 x 10 pin x 2
핀



Wheel Hub Spacer x 2
휠허브스페이서

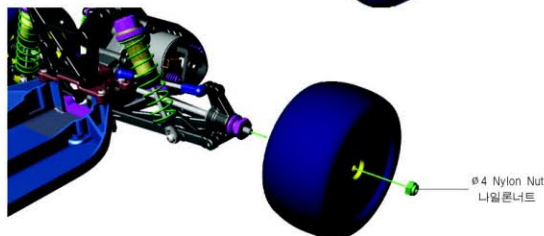


1050 Ball bearing x 4
볼베어링



Ø 3 x 8 RH Screw
RH 스크류

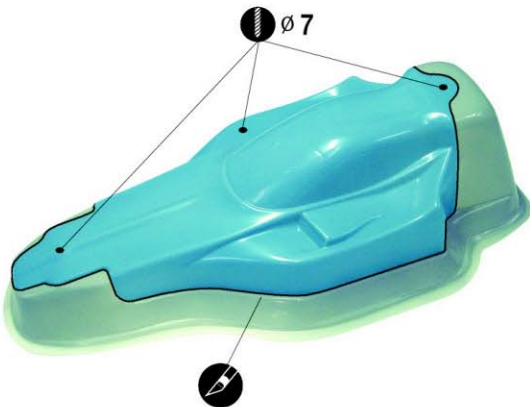
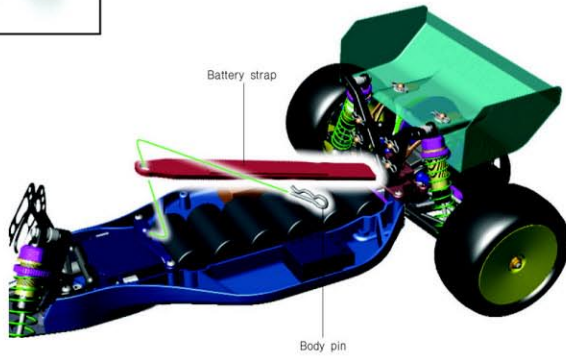
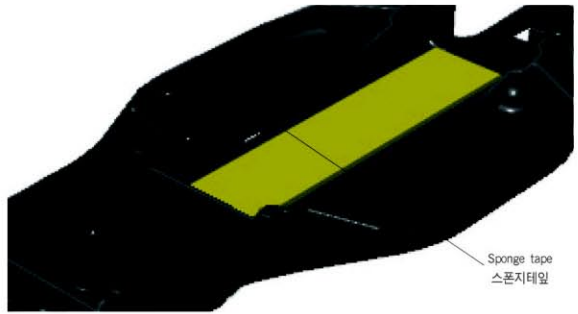
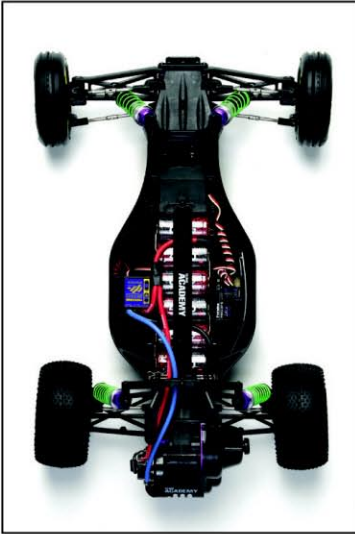
Ø 4 Nylon Nut x 2
나일론너트



Ø 4 Nylon Nut
나일론너트

Ø 3 x 8 RH Screw x 2
RH 스크류

17 (Body)

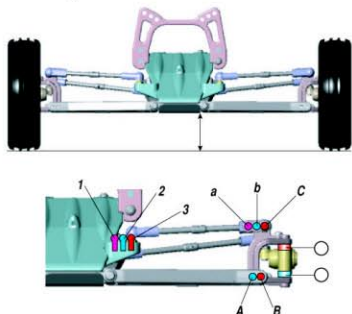


Name : _____
 Date : _____
 Track : _____

Track conditions

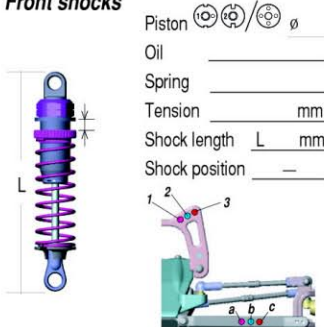
Size : Open Med. Tight
 Traction : High Med. Low
 Surface : Smooth Bumpy

Front suspension



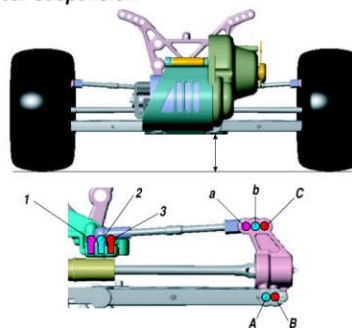
Ride height _____ mm
 Camber angle _____ °
 Caster angle _____ °
 25° 27.5° 30°
 Toe angle in/out _____ °
 Rebound _____ mm
 Upper arm position _____
 Lower Arm Position _____

Front shocks



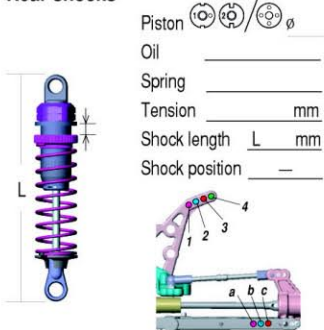
Piston Ø _____
 Oil _____
 Spring _____
 Tension _____ mm
 Shock length L _____ mm
 Shock position _____

Rear suspension



Ride height _____ mm
 Camber angle _____ °
 Anti-squat 2° _____ °
 Rebound _____ mm
 Upper arm position _____
 Anti-roll bar _____ Ø
 Toe angle 3° _____ °
 Lower Arm Position _____

Rear shocks



Piston Ø _____
 Oil _____
 Spring _____
 Tension _____ mm
 Shock length L _____ mm
 Shock position _____

Tires & Wheels

Front	Rear
Tire _____	Tire _____
Insert _____	Insert _____
Wheel _____	Wheel _____

Motor _____ T/ _____ **Brake** _____ %
ESC _____ **ABS** Yes No
Battery _____ mA **Matched** Yes No
Drive ratio S T/P T x 2.42 = _____

Result

Race time / Lap _____ Best lap (1Lap) _____

PINION	SPUR GEAR			
	74	76	78	80
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Steering Servo

Steering Speed _____ %
Steering Curve _____ %
Wing _____

Slipper

Yes No Soft Medium Hard

Comments



ACADEMY
ACADEMY PLASTIC MODEL CO., LTD.

1/10 EP OFF-ROAD 2WD BUGGY

GV2



EP Off-Road 2WD Competition Buggy

- HIGH COMPATIBILITY WITH AFTERMARKET WHEELS(FRONT/REAR)
- BALL DIFF ■ FULL BALL BEARING(20EA) ■ U-DRIVE SHAFT
- AL FRONT ARM MOUNT(27.5) ■ AL REAR WHEEL HUB
- AL REAR ARM MOUNT(TOE : 3 / CASTER : 2)
- DOUBLE TYPE SLIPPER CLUTCH SYSTEM
- TURNBUCKLE ROD ■ DIAL TYPE AL DAMPER
- MLP SYSTEM(MULTI - LENGTH PIVOT SYSTEM)

- 전·후륜 타사 휠 사용가능 ■ 볼 디프 ■ 풀볼베어링(20개) ■ U-드라이브 샤프트
- 알루미늄 전륜 암마운트(27.5) ■ 알루미늄 리어 휠 허브
- 알루미늄 리어 암마운트(TOE : 3 / CASTER : 2) ■ 더블 타입 슬리퍼 클러치
- 턴버클 로드 ■ 다이얼타입 알루미늄 댐퍼 ■ MLP 시스템(서스암 포지션 롱·숏타입 선택가능)

15107/15108

Specifications

WIDTH : 248mm
 INTERNAL GEAR RATIO : 2.42:1
 FRONT CASTER : 25 / 27.5 / 30
 REAR TOE-IN : 3° ANTI-SQUAT : 2
 WHEEL BASE : 270mm

ACADEMY
 HOBBY MODEL KITS

ACADEMY
 ACADEMY PLASTIC MODEL CO., LTD.