

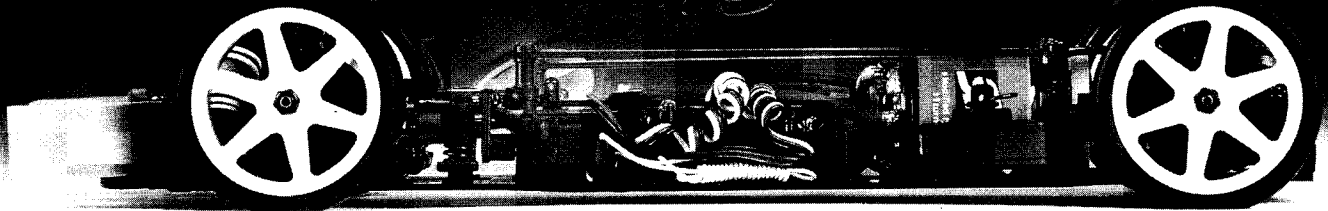
ACADEMY

HOBBY MODEL KITS

SDS
SHAFT DRIVE SYSTEM

1/10 SCALE EP 4WD TOURING CAR STR-4 PRO

- Ball bearing with 17 pieces. ■ One piece carbon chassis. ■ Two pieces carbon upper decks. ■ Front & rear ball diff. of high precision & efficiency.
- The lowest center of gravity in the same class. ■ Carbon center drive shaft. ■ Front & rear universal drive shaft.
- The optimum driving efficiency by simple but powerful tread-in of shaft drive system. ■ Excellent maintenance and extensive setting available.
- Special damper of high precision & efficiency.



STR-4 PRO

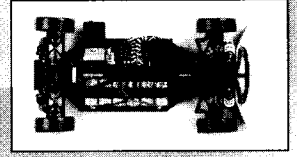
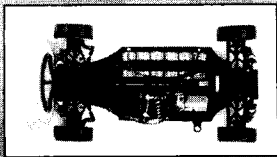
- 4륜 샤프트 드라이브 트랜스미션 시스템 ■ 스페셜 댐퍼셋 기어 포함 ■ 센터드라이브 샤프트의 진동을 억제하는 일체형 모터 마운트
- 2.75 : 1 신형 볼디스크 포함 ■ 카본 새시와 어퍼데크 포함 ■ 풀 베어링 사용 ■ 전용 캐스터각 (5°, 7.5°, 10°)
- 추가적인 옵션의 사용없이도 바로 레이스에 투입 될 수 있는 본격적인 레이스용 모델

#1585/CA180

INSTRUCTION MANUAL

CONTENTS

Chassis	3p	Differentials	4p
Transmission	5p	Suspension, Front · Rear Hub	6~7p
Rink/upper Rod	8p	Damper	9~10p
Damper Stay	10~11p	Body Mount	12p
Steering	13p	Upper Deck	14p
Battery/Motor	15p	Bumper	16p
Radio Set	17p	Tire/Wheel	18p



- 풀베어링 5개사용 ■ 1피스 블랙에폭시그라스 (FRP)수지 새시 사용 ■ 동급 최저의 무게 중심
- 2피스 블랙에폭시그라스 (FRP)수지 어퍼데크 사용 ■ AL 센터 드라이브 샤프트 사용 ■ 오일 주입식 댐퍼사용
- 4륜 샤프트 드라이브 트랜스미션 시스템 ■ 센터드라이브 샤프트의 진동을 억제하는 일체형 모터 마운트 ■ 2.75 : 1 신형 볼디스크 포함 ■ 전용 캐스터각 (5°, 7.5°, 10°)

STR-4 SPORT

#1586/CA181

1/10 SCALE EP 4WD TOURING CAR STR-4 PRO SPORT

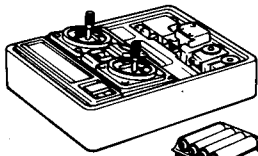
- Ball Bearing with 5 pieces ■ One piece Black Epoxy Glass (FRP) Chassis
- Two pieces Black Epoxy Glass (FRP) Upper Decks ■ Vibration-resistant Aluminum Die-Casting Motor Mount
- The lowest center of gravity in the same class. ■ The optimum driving efficiency by simple but powerful tread-in of shaft drive system.
- Excellent maintenance and extensive setting available. ■ Aluminum Center Drive Shaft ■ Oil-filled type Damper



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)

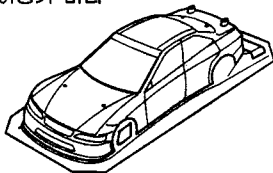
This kit is designed for a 2 channel 2 servo digital proportional type of radio control system.

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.

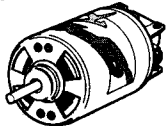
■ 190mm TOURING CAR BODY

190mm 투어링카 바디



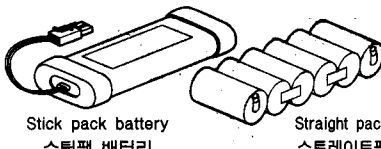
■ 540 TYPE MOTOR

540타입 모터



■ Ni-Cd BATTERY

7.2V 충전배터리



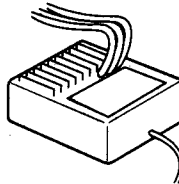
Stick pack battery
스틱팩 배터리

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.

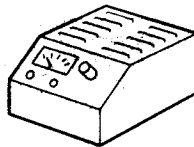
■ ELECTRONIC SPEED CONTROLLER

전자변속기



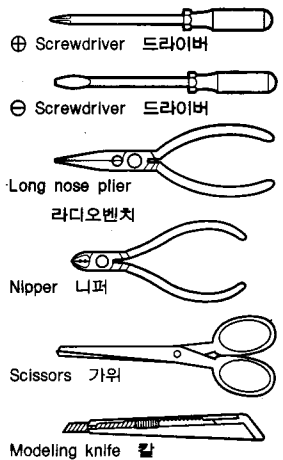
■ CHARGER for Ni-Cd Battery

Ni-Cd 배터리 전용 충전기

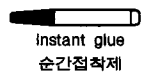


■ TOOLS

조립에 필요한 공구



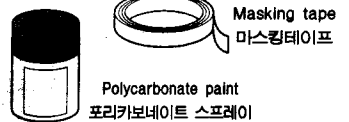
■ 접착제



instant glue
순간접착제

■ POLYCARBONATE PAINT

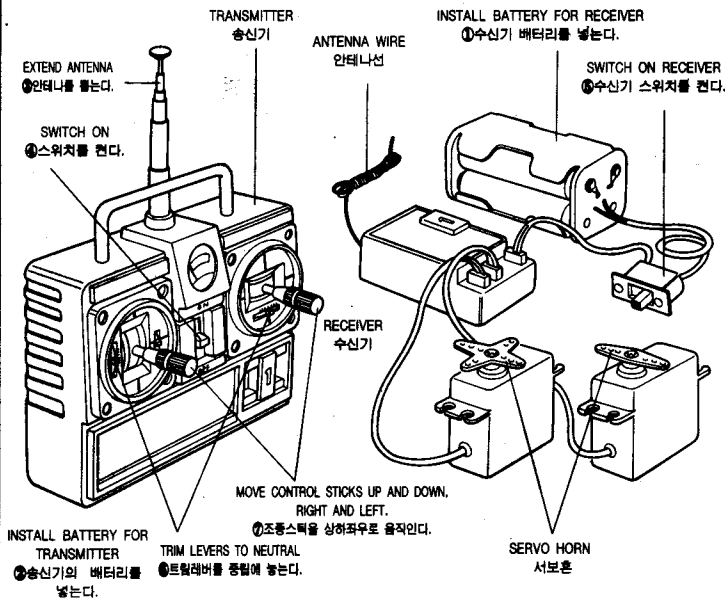
색칠에 필요한 재료



Polycarbonate paint
포리카보네이트 스프레이

■ RC EQUIPMENT

송수신기의 동작시험



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

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

■ 부품을 조립하기 전에

- 구입 후 조립하기 전에는 반드시 부품도와 대조, 확인하고 불량 부품이나 부족한 부품이 있을 경우에는 구입한 직매점이나 A/S센터를 이용하시기 바랍니다.
- 조립을 시작한 후에는 부품이나 교환을 사절합니다. ● 작은 비스, 너트 등은 모양이 비슷하므로 설명서를 잘 읽어 본 후 조립한다.
- 송수신기 및 서어보에 물이 들어갔을 경우 보충수리가 되지 않으니 취급에 주의한다. ● 한 가지씩 조립을 확실하게 해나가는 것이 고장을 막고 재성능을 충분히 발휘하는 좋은 R/C 모델이 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 토크할 때 너무 무리하게 힘을 가하지 않는다.

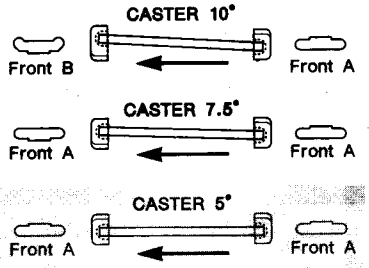
Cut away 잘라낸다	Use allen key, ⊕wrench.	Repeat operation 수 만큼 조립한다	Repeat for opposite side 반대측도 조립한다.	Apply grease to the place. 그리스를 바른다
Optional parts 선택한다	L자 또는 ⊕자렌치를 사용하여 조립한다.	Make hole 구멍을 뚫어준다.	Be careful 주의한다.	Apply instant glue to the place. 순간접착제를 바른다

아카데미제품을 구입해 주셔서 감사합니다. 조립을 시작하기전에 설명서를 충분히 읽어 보아야 합니다. 작업도중 부상을 방지하기 위해 주의가 필요합니다.

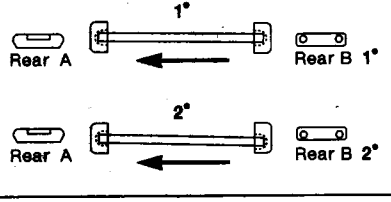
Thank you for your purchase ACADEMY products. Be sure to read the instructions fully before starting the assembly. Cares should be taken to avoid any injuries during the works.

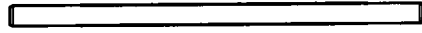





1 A

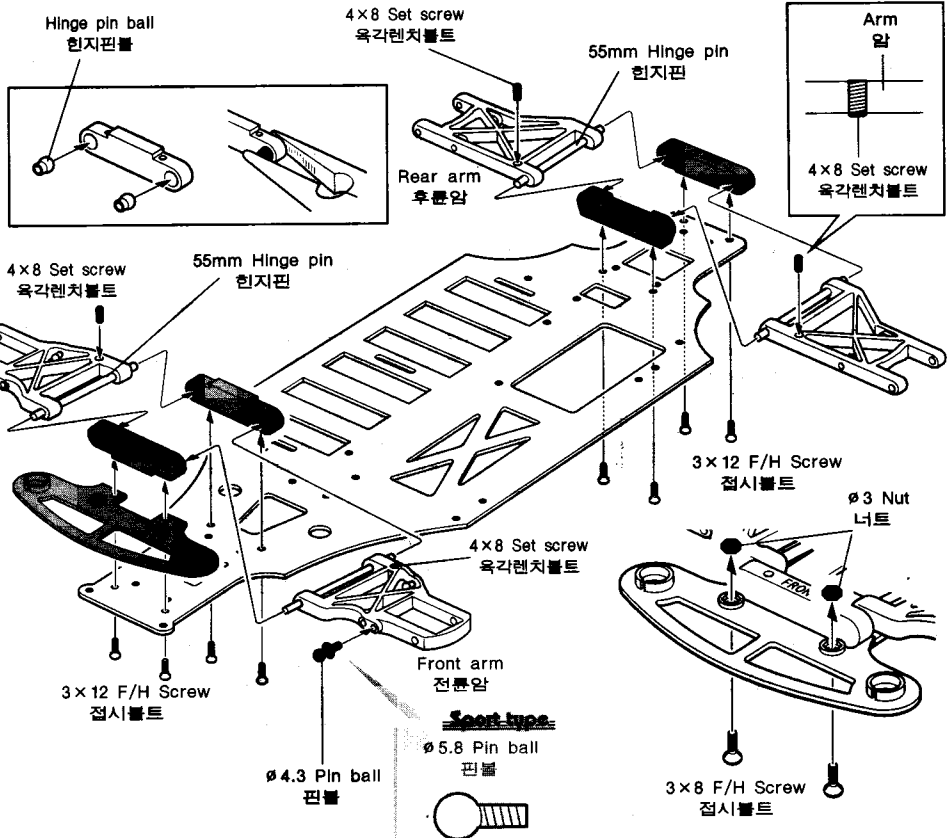
FRONT CASTER



ANTI-SQUAT



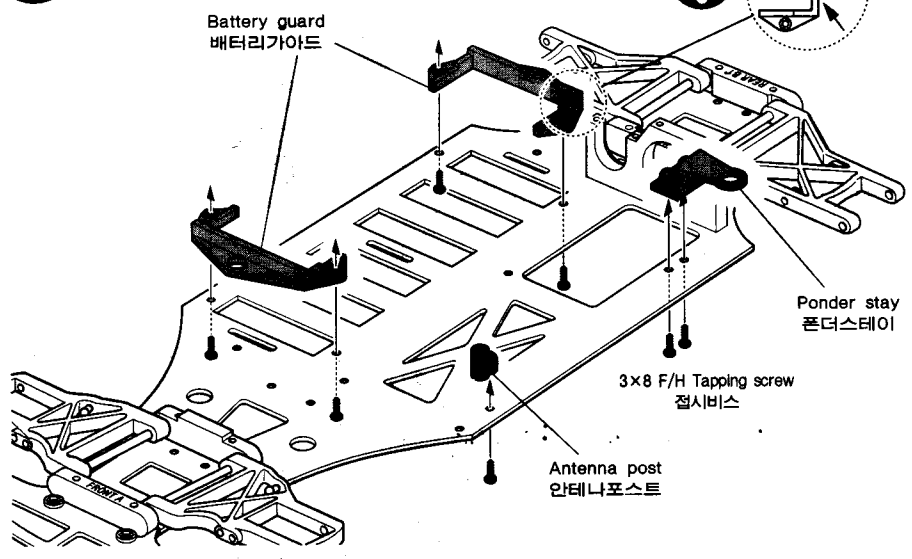
-  55mm Hinge pin 4
한지핀
-  3x8 F/H Screw 2
접시볼트
-  3x12 F/H Screw 8
접시볼트
-  ø4.3 Pin ball 2
핀볼
-  ø3 Nut 2
너트
-  4x8 Set screw 4
육각렌치볼트

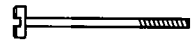


* Chamfer edges of battery slots and remove any pips using a file.
 파일을 사용하여 배터리가 장착되는 부분의 모서리는 없애주고 모든 가공 찌꺼기를 제거한다.

2 A

-  3x8 F/H Tapping screw 7
비스





Ball diff. screw 2
볼디프스크류



Ball diff. nut 2
볼디프너트



850 Oilless metal 4
오일레스메탈 베어링



2x6 Thrust washer 4
스러스트와셔



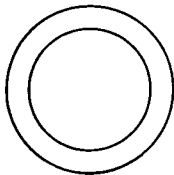
Ball diff. spring 2
볼디프스프링



ø 2.5 Diff. ball 24
디프볼



ø 2 Thrust ball 12
스러스트볼



Ball diff. washer 4
볼디프와셔

3 B 2

트러스트 와셔
Thrust washer

ø 2 트러스트 볼
Thrust ball

부시
Bush

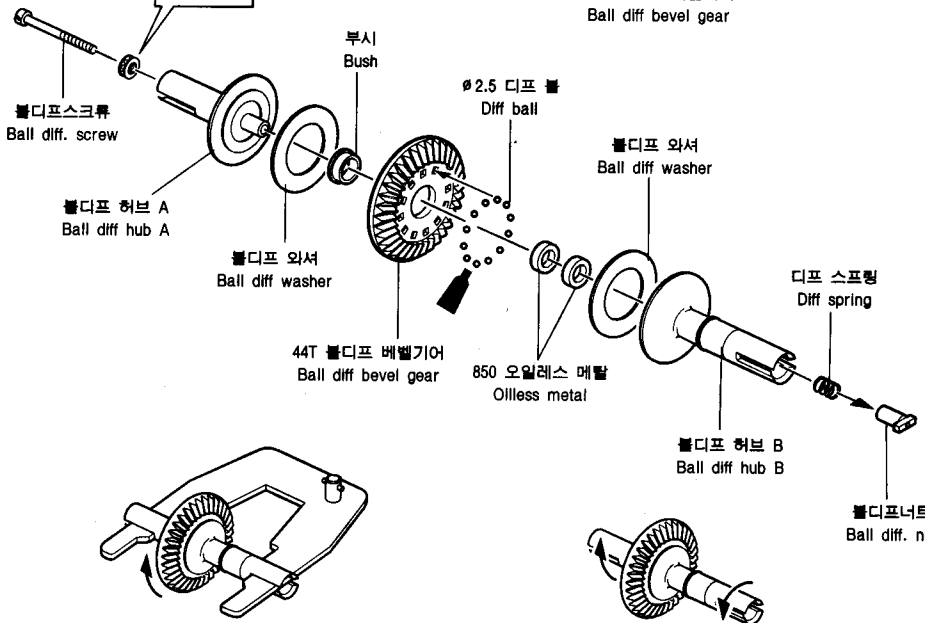
ø 2.5 디프 볼
Diff ball

볼디프 와셔
Ball diff washer

디프 스프링
Diff spring

볼디프 허브 B
Ball diff hub B

볼디프너트
Ball diff. nut



디프기어는 그림과 같이 부드럽게 움직이도록 조립한다. 볼디프스크류를 너무 세게 죄지 않도록 주의. The differential should spin smoothly after they are assembled. Take care not to tighten ball diff screw too much.

그림과 같이 양쪽의 디프허브를 고정시키고 디프기어가 슬립하지 않을 정도까지 볼디프스크류를 죄어본다. 너무 세게 죄지 말 것. 무리하게 죄면 디프와셔가 파손될 수 있다. As shown in picture, holding both of diff joint cups, tighten ball diff screw as much as it does not slip. Do not tighten too much, or diff washer can be damaged.

Seat type

1050 Oilless metal
오일레스메탈베어링

16T Bevel gear
베벨기어

1050 Ball bearing
볼베어링

C-Stop ring
스톱링

1510 Ball bearing
볼베어링

4x4 Set screw
육각렌치볼트

Center drive shaft spacer
센터드라이브샤프트스페이서

4 C

3x10 Cap screw
캡스크류

Front gear box
프론트기어박스

Front bevel gear shaft
전통베벨기어샤프트

ø 1.5x7.5 Pin
핀

C-Stop ring
스톱링

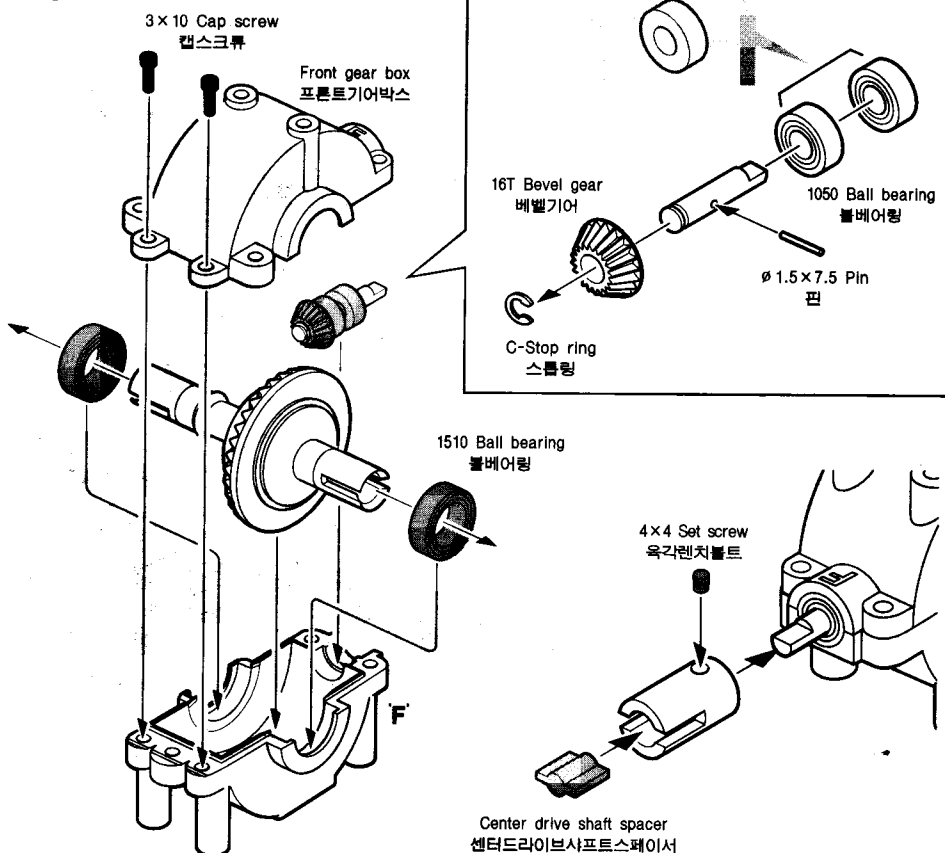
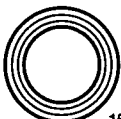
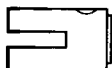
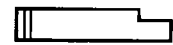
Center joint cup
센터조인트컵

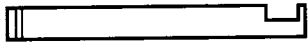
4x4 Set screw
육각렌치볼트

3x10 Cap screw
캡스크류

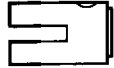
1510 Ball bearing
볼베어링

1050 Ball bearing
볼베어링





Rear bevel gear shaft
후륜베벨기어샤프트 1



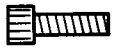
Center joint cup
센터조인트컵 1



Ø 1.5 x 7.5 Pin
핀 1



Ø 2 x 10 Drive pin
드라이브핀 1



3 x 10 Cap screw
캡스크류 4



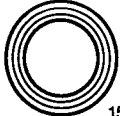
3 x 6 P/H screw
볼트 4



C-Stop ring
스톱링 1



4 x 4 Set screw
육각렌치볼트 1



1510 Ball bearing
볼베어링 3



1050 Ball bearing
볼베어링 2



Bearing holder
베어링홀더 1



3 x 8 F/H Screw
점시볼트 3

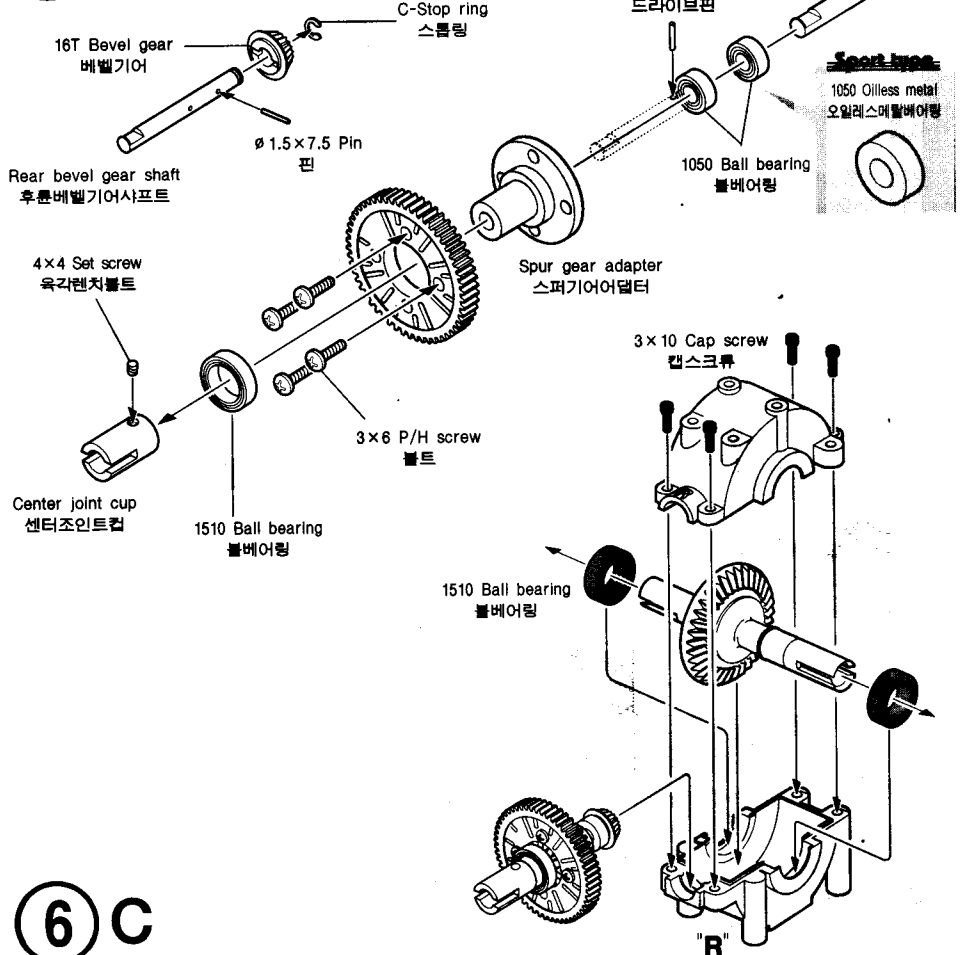


2 x 6 P/H screw
볼트 2

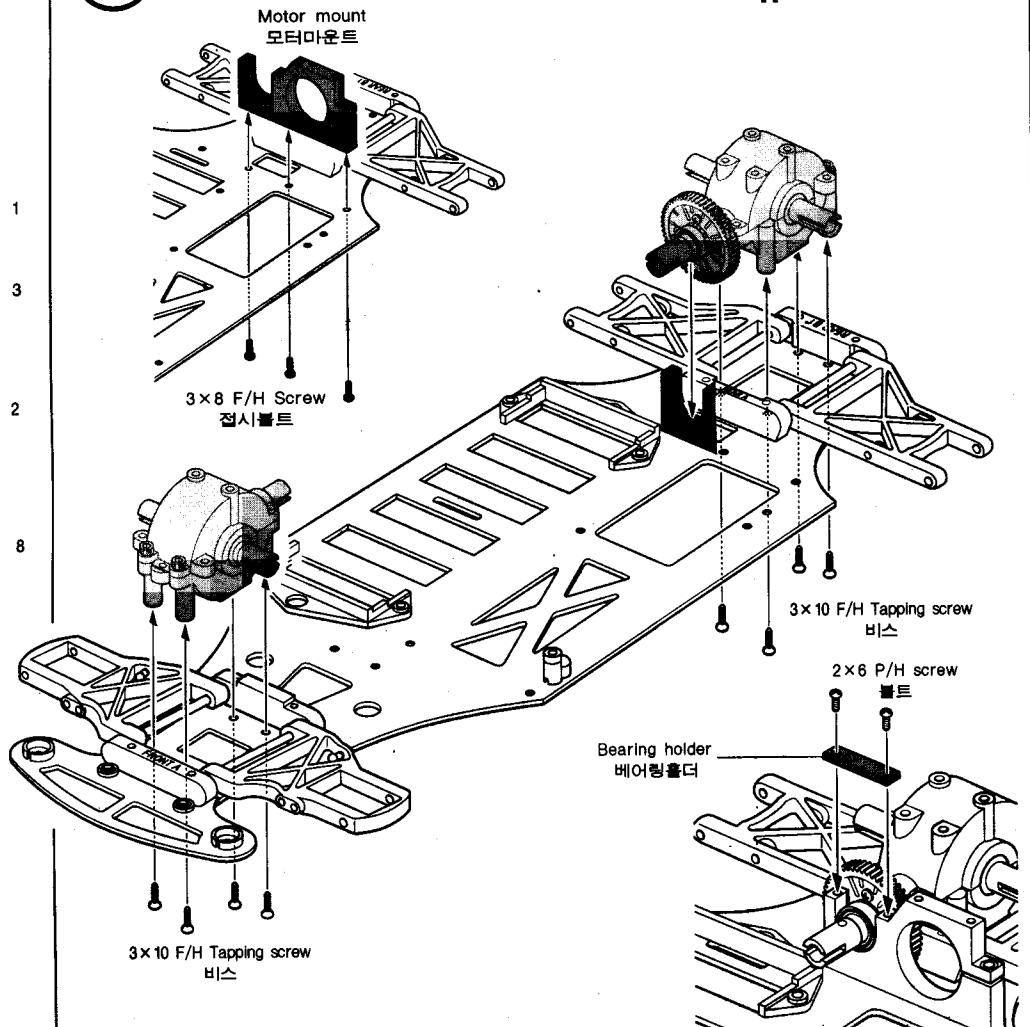


3 x 10 F/H Tapping screw
비스 8

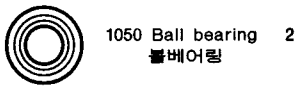
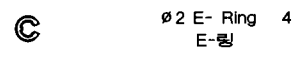
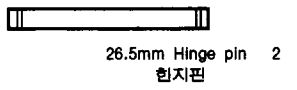
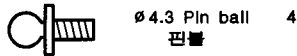
5 C



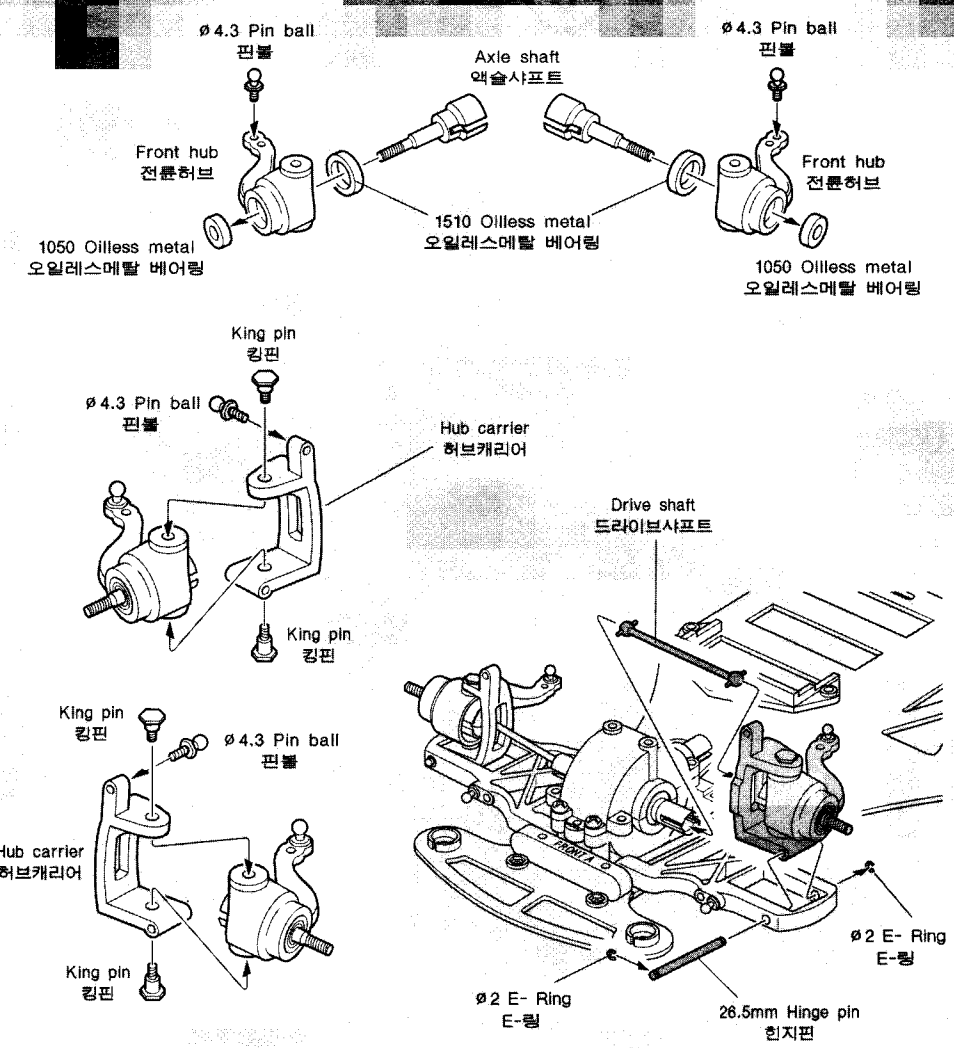
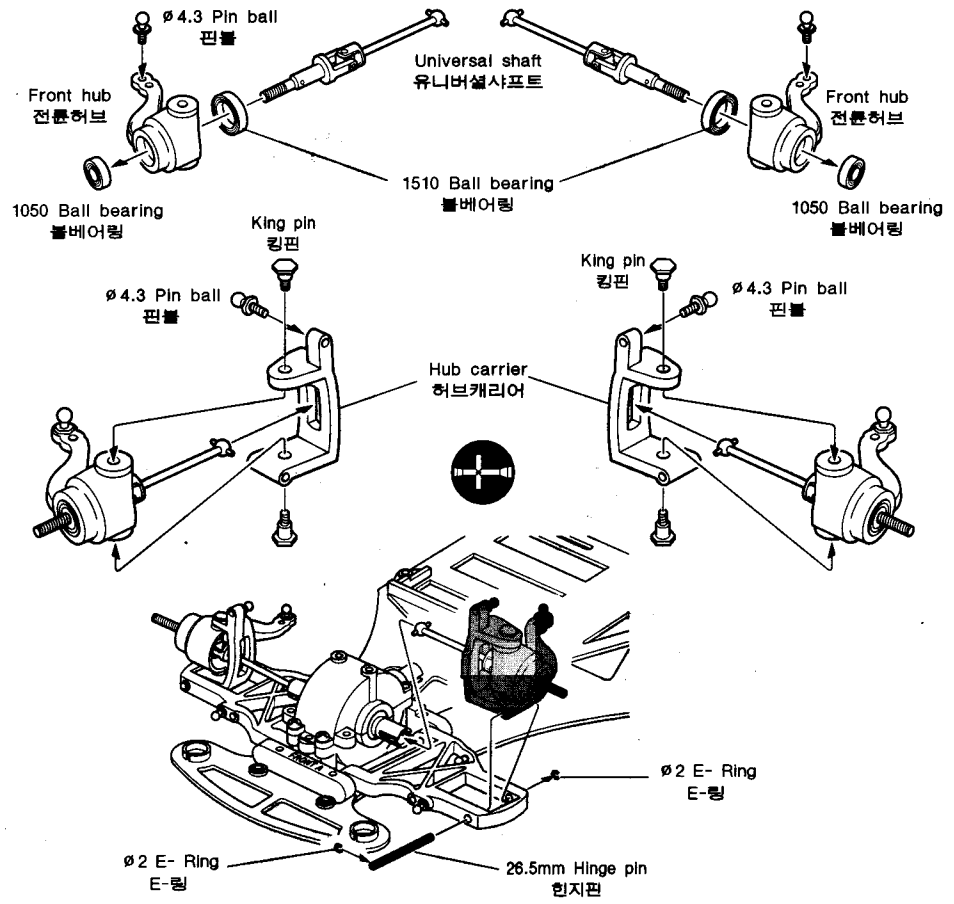
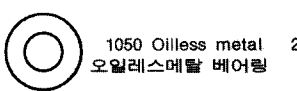
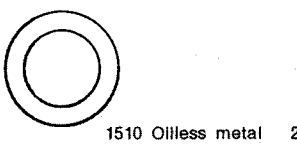
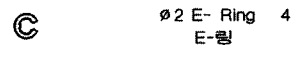
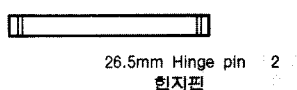
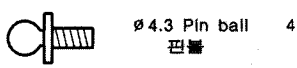
6 C



7 D



Sport type



8 D

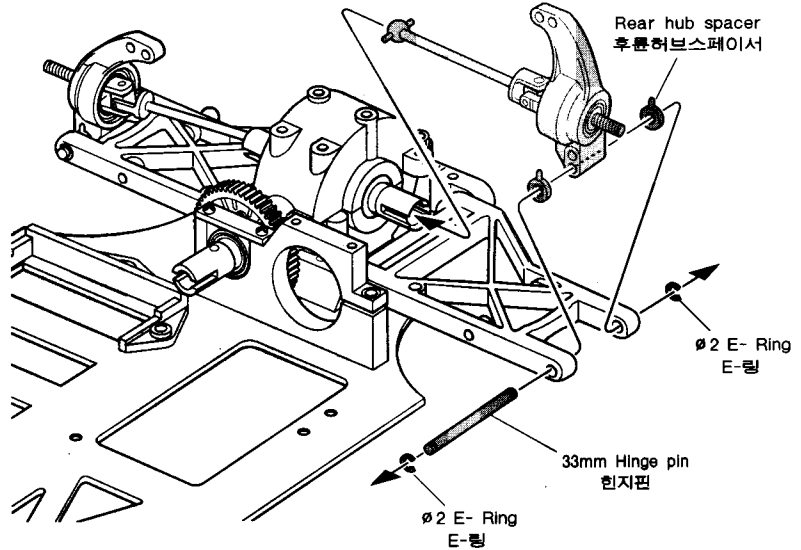
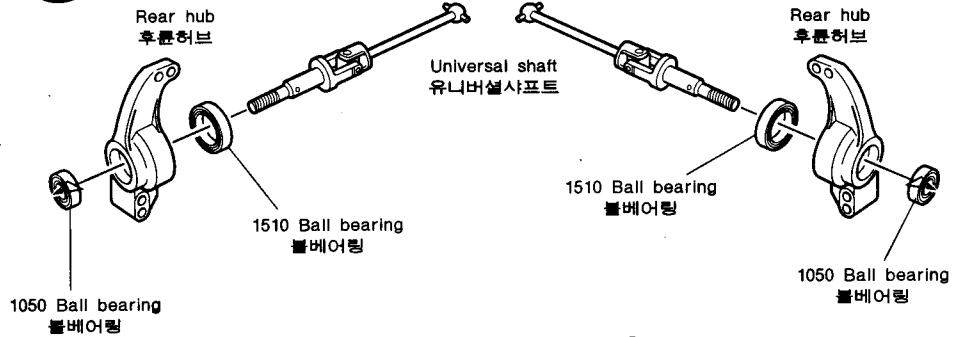
33mm Hinge pin
힌지핀 2

∅2 E-Ring
E-링 4

1510 Ball bearing
볼베어링 2

1050 Ball bearing
볼베어링 2

Rear hub spacer
후륜허브스페이서 4



Sport type

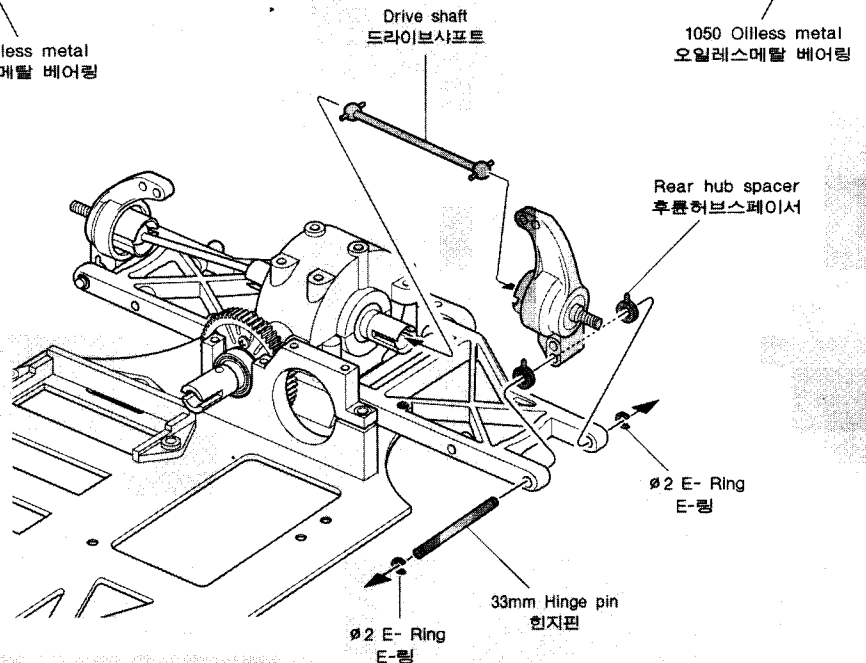
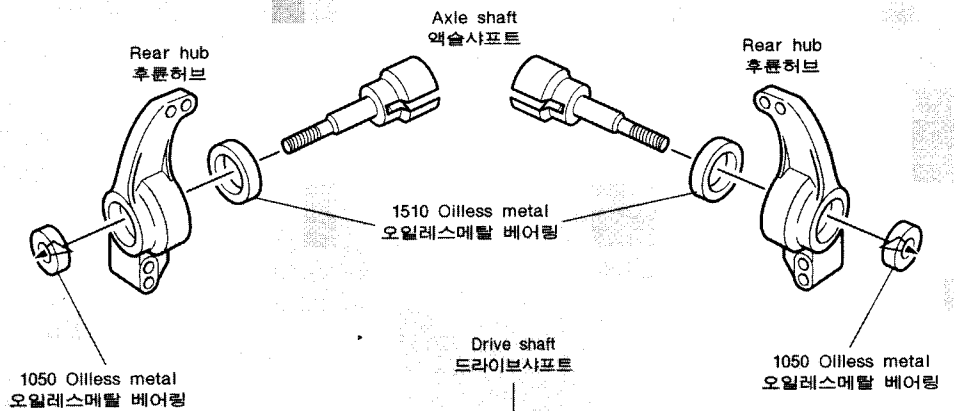
33mm Hinge pin
힌지핀 2

∅2 E-Ring
E-링 4

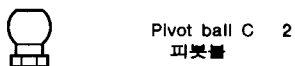
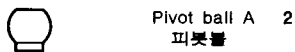
1510 Oilless metal
오일리스메탈 베어링 2

1050 Oilless metal
오일리스메탈 베어링 2

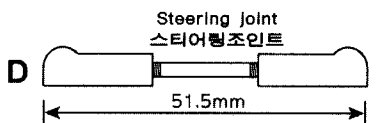
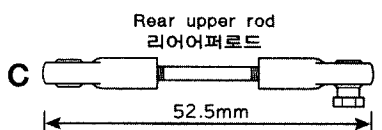
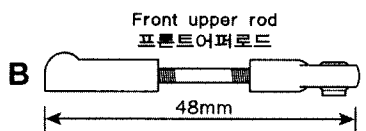
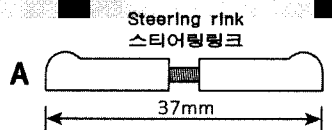
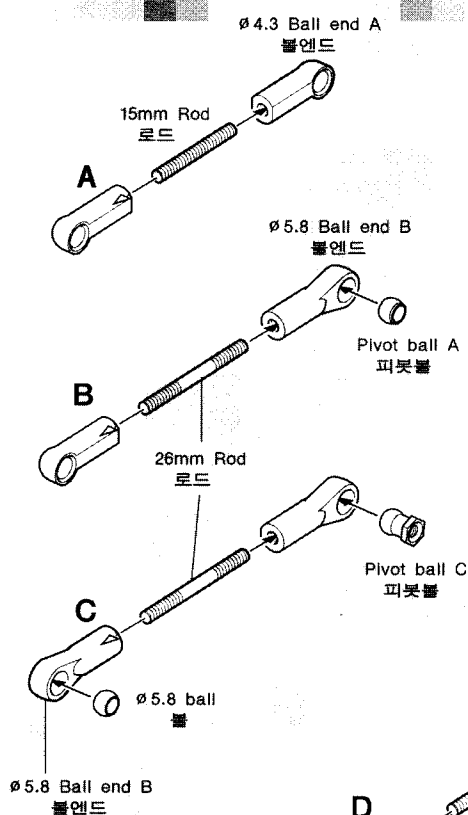
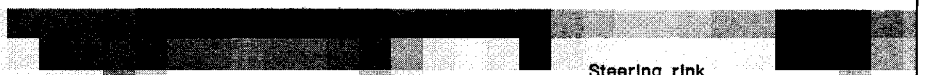
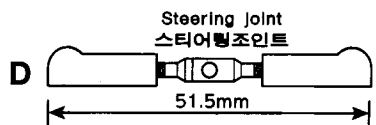
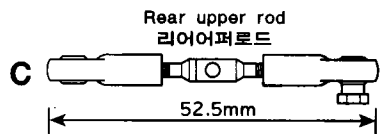
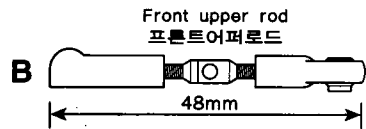
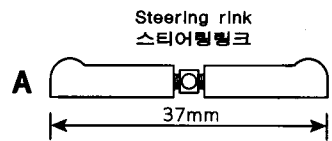
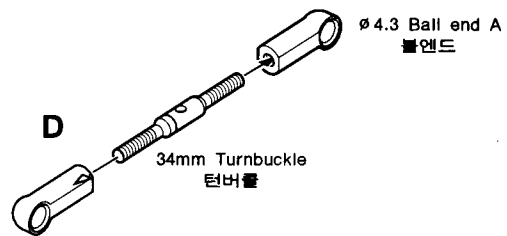
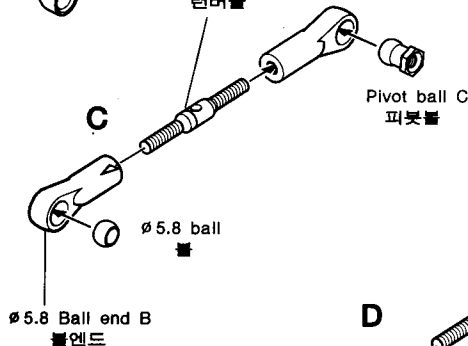
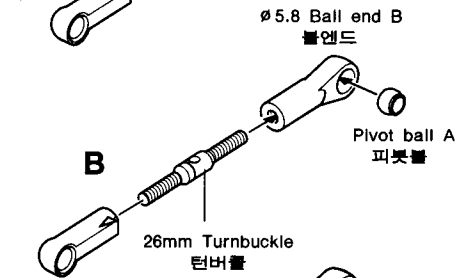
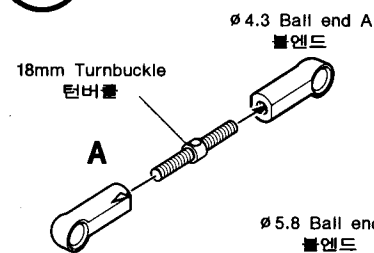
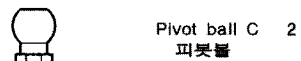
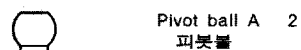
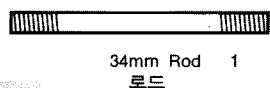
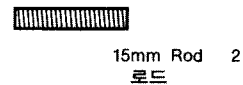
Rear hub spacer
후륜허브스페이서 4



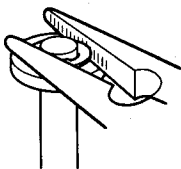
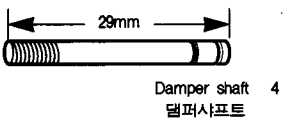
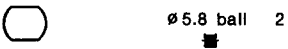
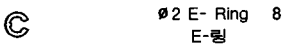
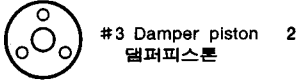
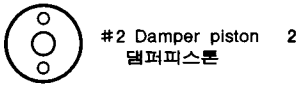
9 E



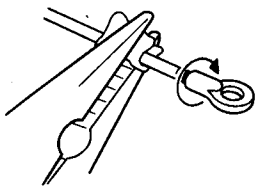
Sport type



10 F 4



Put E-ring using a long nose plier as shown.
그림과 같이 라디오벤치를 사용하여 E-링을 끼워 넣는다.

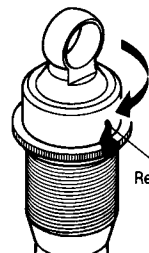
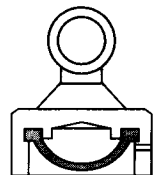
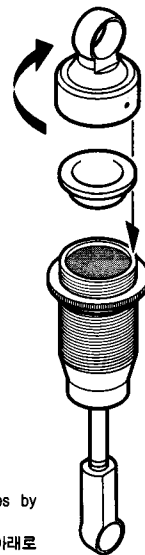
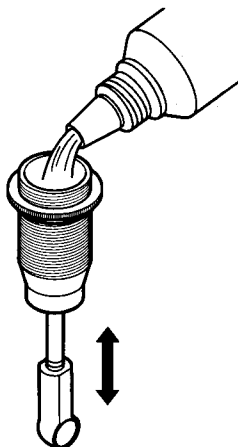
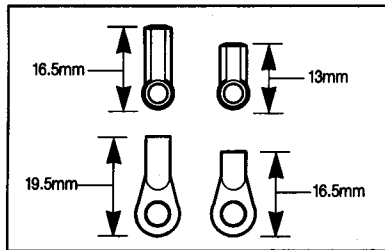
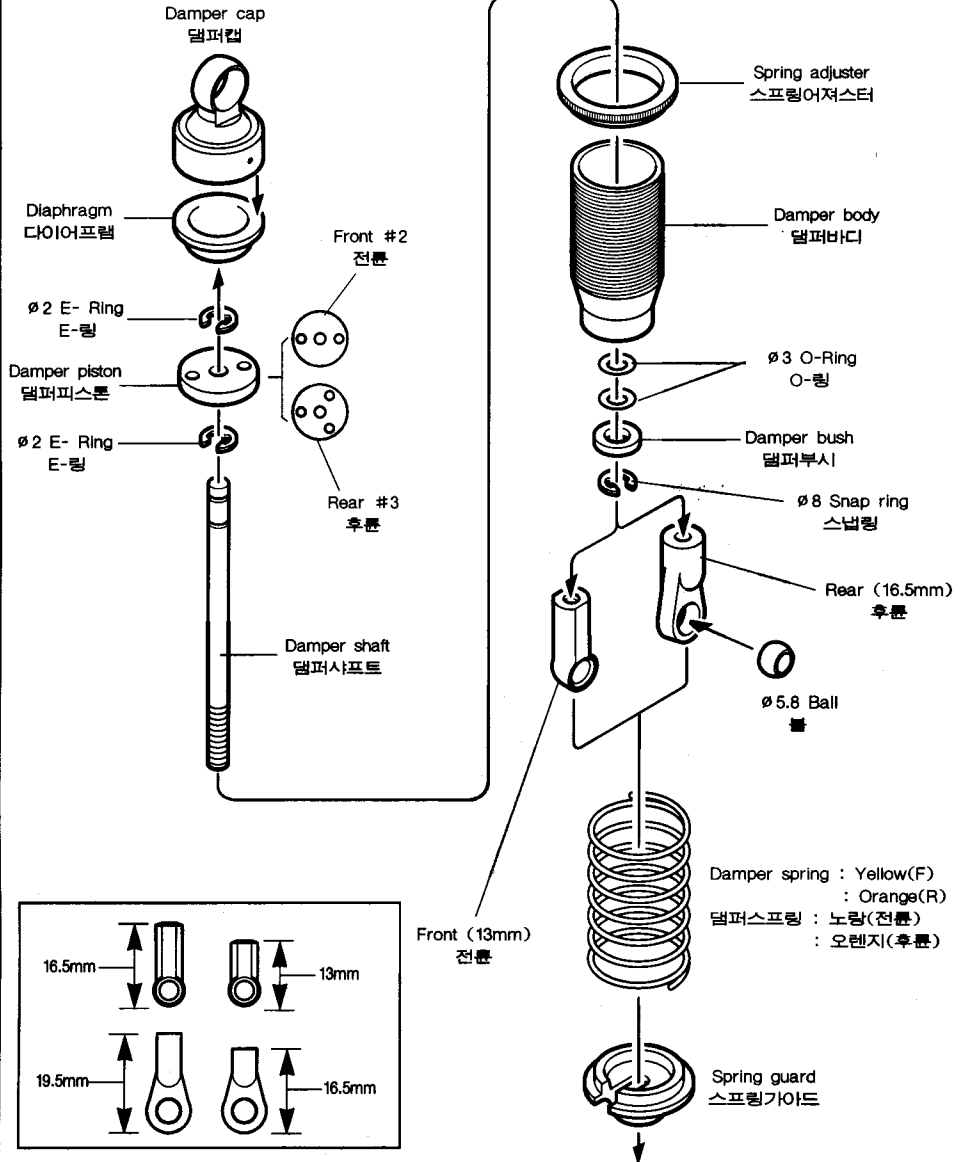
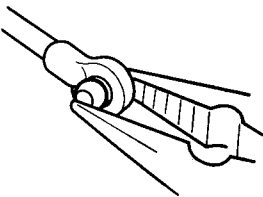


Use a pad to protect damper shaft.

그림과 같이 볼랜드 조립시 미끄러지지 않는 고무패드로 감싼 후 라디오 벤치로 잡고 조인다.

Notice

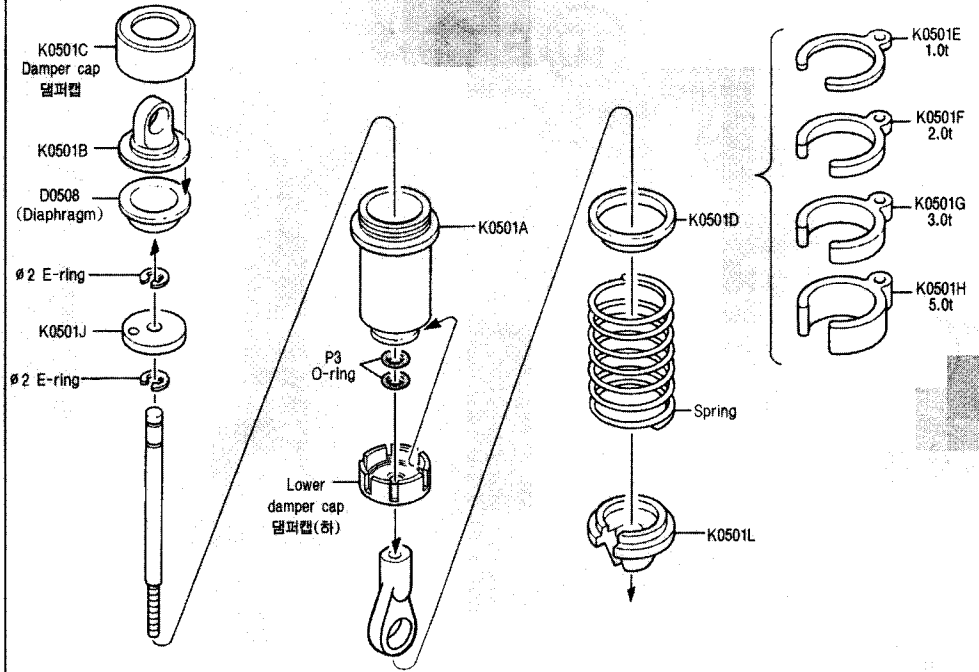
Scratches on damper shaft by tools can be a reason of drop in its efficiency.
*주의- 댐퍼샤프트에 벤치 등으로 인한 상처(흠집)가 나면 댐퍼의 기능이 떨어진다.



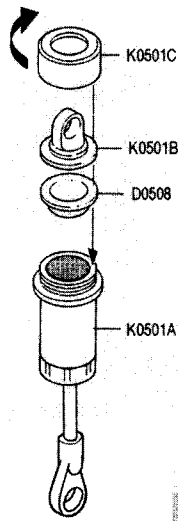
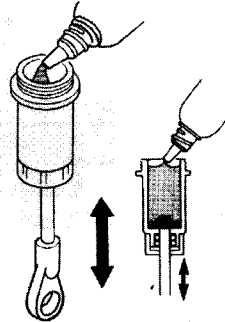
Fill up cylinder with oil, and remove bubbles by moving piston up and down.
실린더 속에 오일을 가득 채우고 피스톤을 위아래로 움직여 기포를 제거한다.

Remove oil leftovers
오일을 제거한다

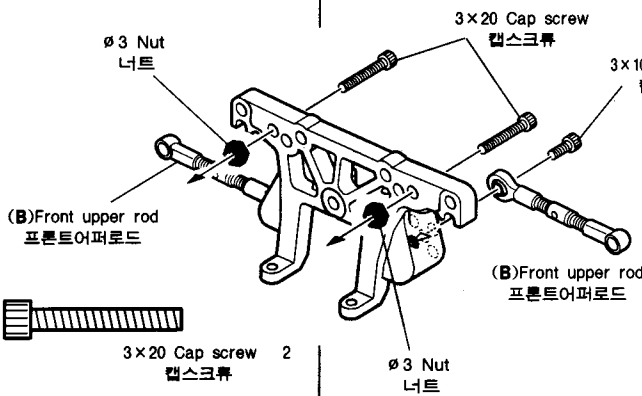
Sport-type







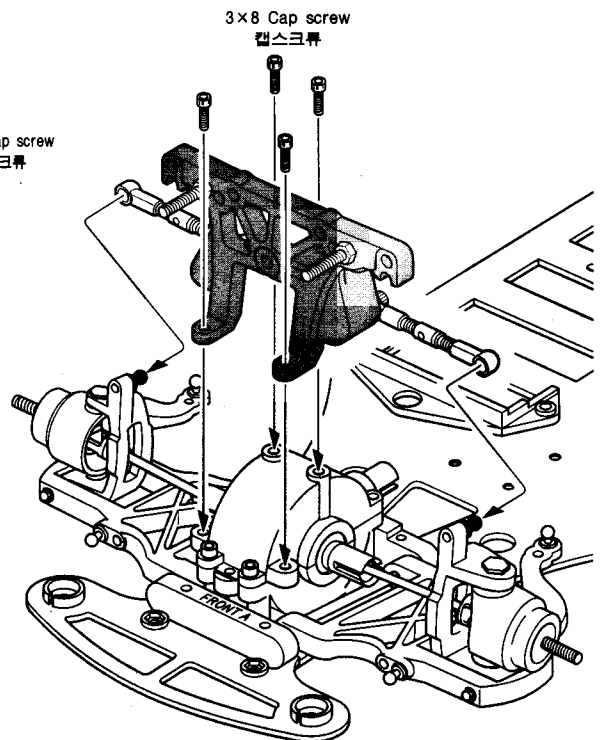
Fill up cylinder with oil, and remove bubbles by moving piston up and down.
 실린더 속에 오일을 가득 채우고 피스톤을 위아래로 움직여 기포를 제거한다.



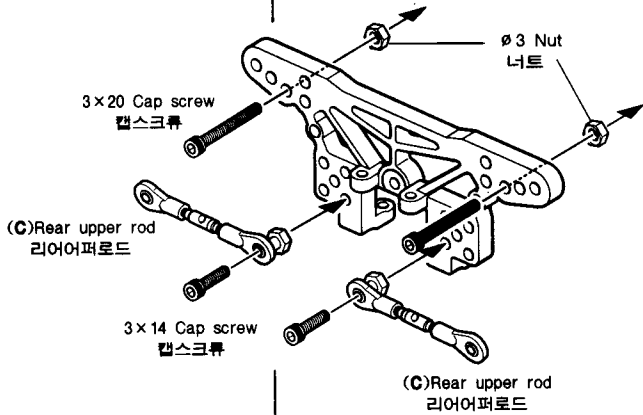
11 G








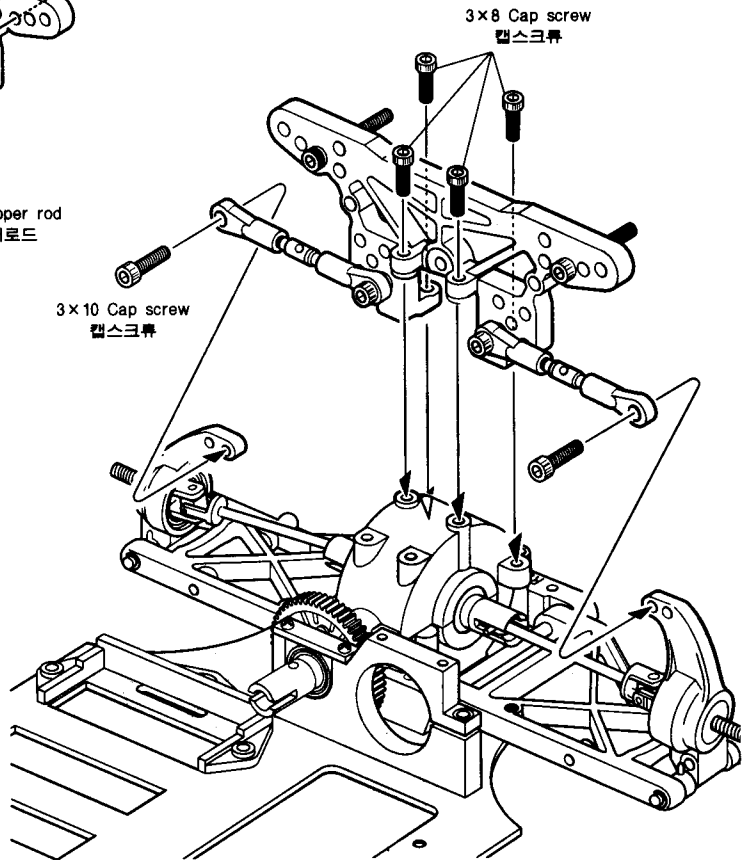
-  3x20 Cap screw 2
캡스크류
-  3x10 Cap screw 2
캡스크류
-  3x8 Cap screw 4
캡스크류
-  Ø3 Nut 2
너트



12 G





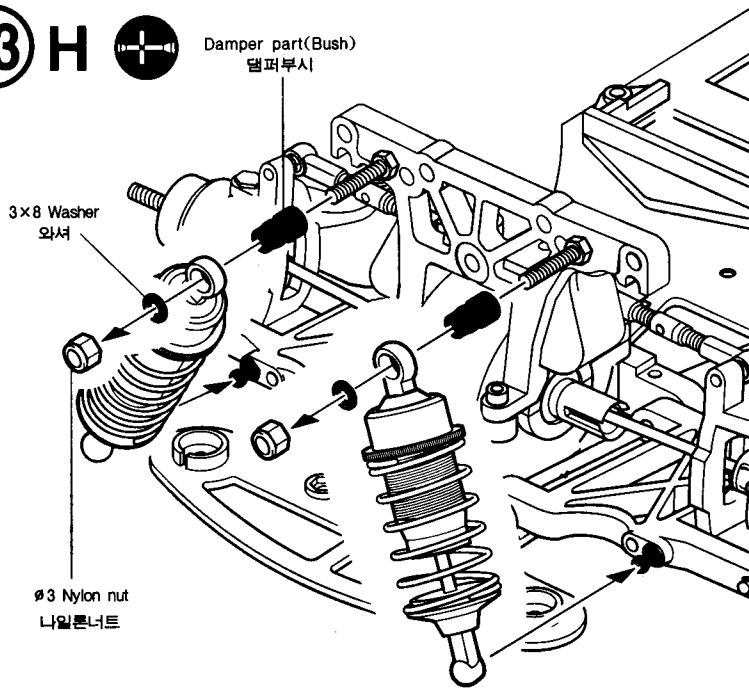
-  3x20 Cap screw 2
캡스크류
-  3x14 Cap screw 2
캡스크류
-  3x10 Cap screw 2
캡스크류
-  3x8 Cap screw 4
캡스크류
-  ø3 Nut 2
너트



13 H

Damper part(Bush)
댐퍼부시

-  ø3 Nylon nut 2
나일론너트
-  3x8 Washer 2
와셔



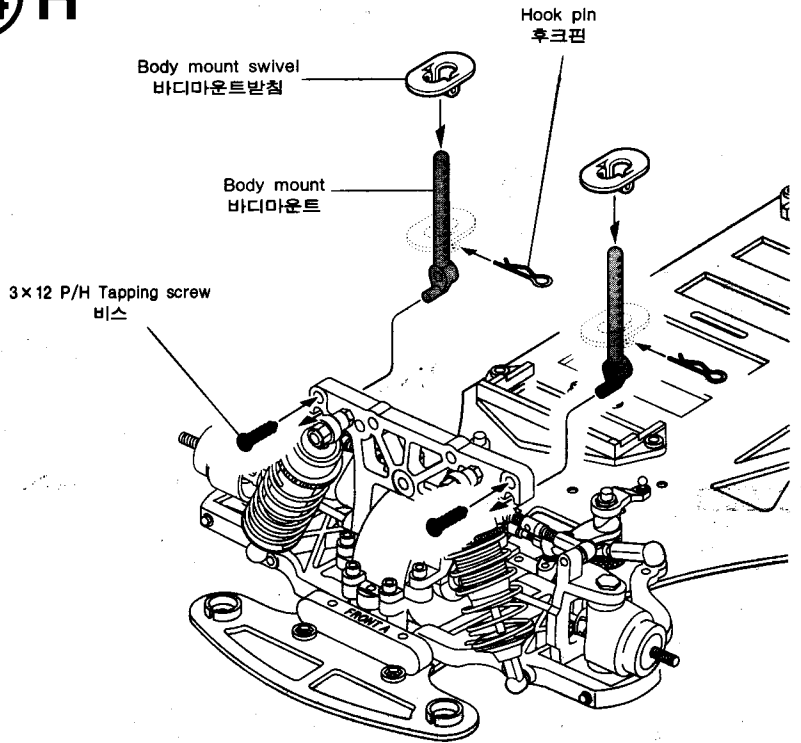
14 H



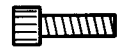
3 x 12 P/H Tapping screw 2
비스



Hook pin 2
후크핀



15 H



3 x 10 Cap screw 2
캡스크류



3 x 12 P/H Tapping screw 2
비스



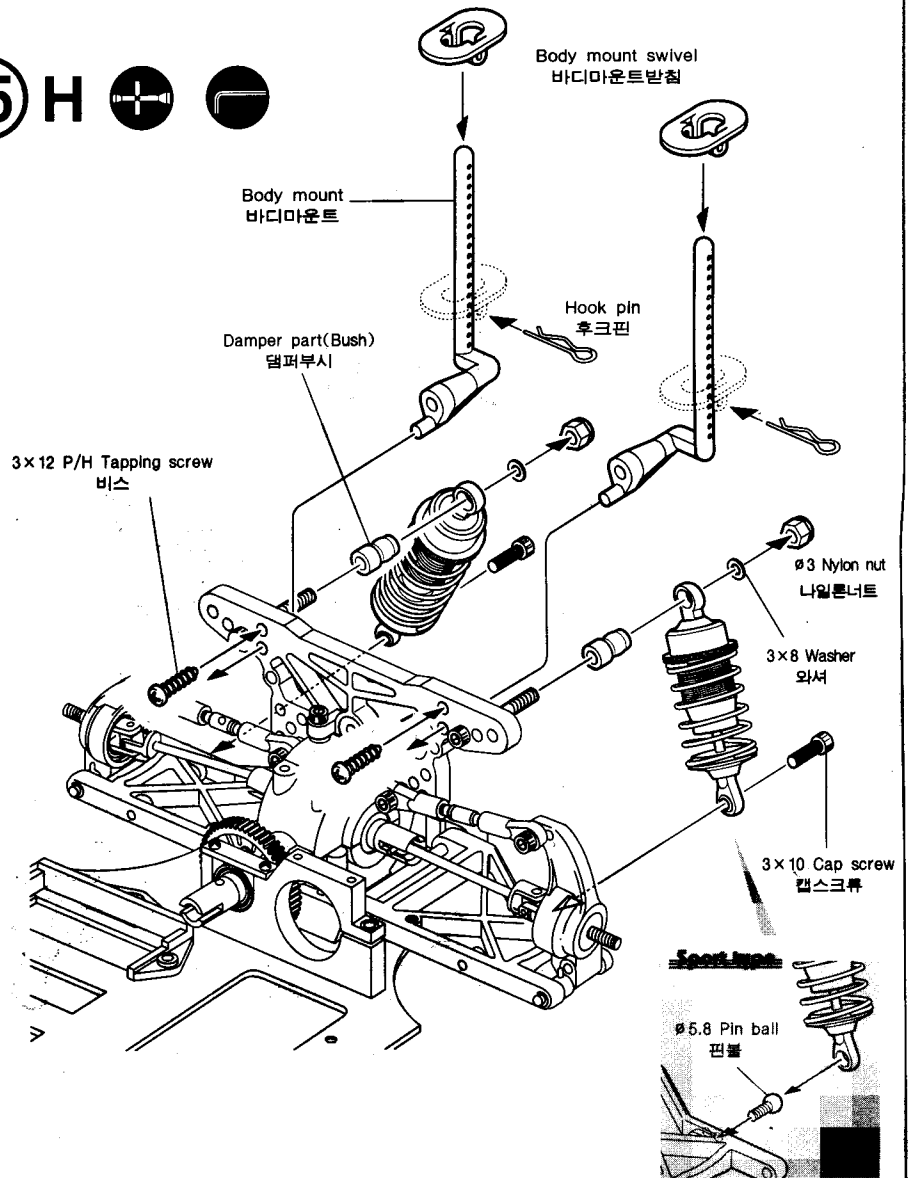
Hook pin 2
후크핀



ø3 Nylon nut 2
나일론너트



3 x 8 Washer 2
와셔



16 H



(A)Steering rink
스티어링링크

Steering post A
스티어링포스트

ø 4.3 Pin ball
핀볼

Servo saver
서보세이버

Steering arm
스티어링암

(A)Steering rink
스티어링링크

Servo saver
서보세이버

Steering post B
스티어링포스트

Saver spring
세이버스프링

(D)Steering joint
스티어링조인트

Saver spring adjuster
세이버스프링어저스터



ø 4.3 Pin ball 5
핀볼



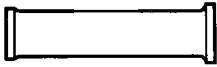
Saver spring adjuster 1
세이버스프링어저스터



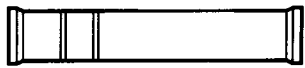
Saver spring 1
세이버스프링



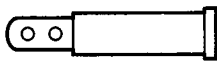
F840 Bush 2
부시



Upper deck post B 2
어퍼데크포스트



Upper deck post C 1
어퍼데크포스트



Battery strap post 1
배터리스트랩포스트



3x8 F/H Screw 4
접시볼트



ø 5 E- Ring 2
E-링

17 I

Upper deck post B
어퍼데크포스트

ø 5 E-Ring
E-링

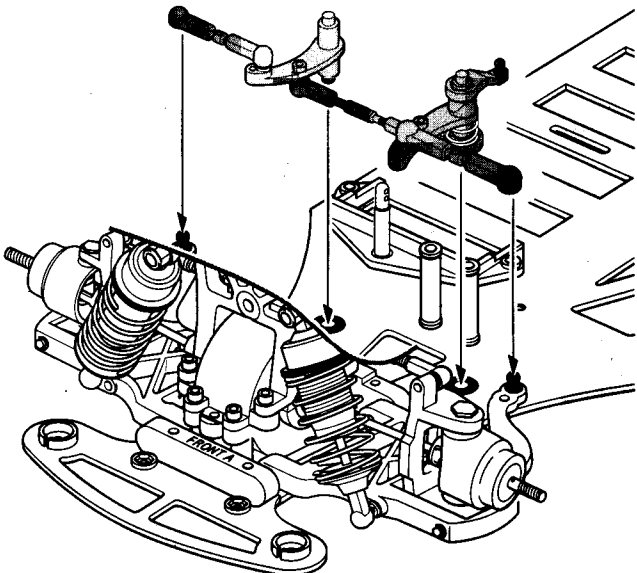
F840 Bush
부시

Upper deck post C
어퍼데크포스트

Battery strap post
배터리스트랩포스트

3x8 F/H Screw
접시볼트

3x8 F/H Screw
접시볼트



18 J



Front upper plate spacer 2
프론트 어퍼플레이트 스페이서



F840 Bush 2
부시



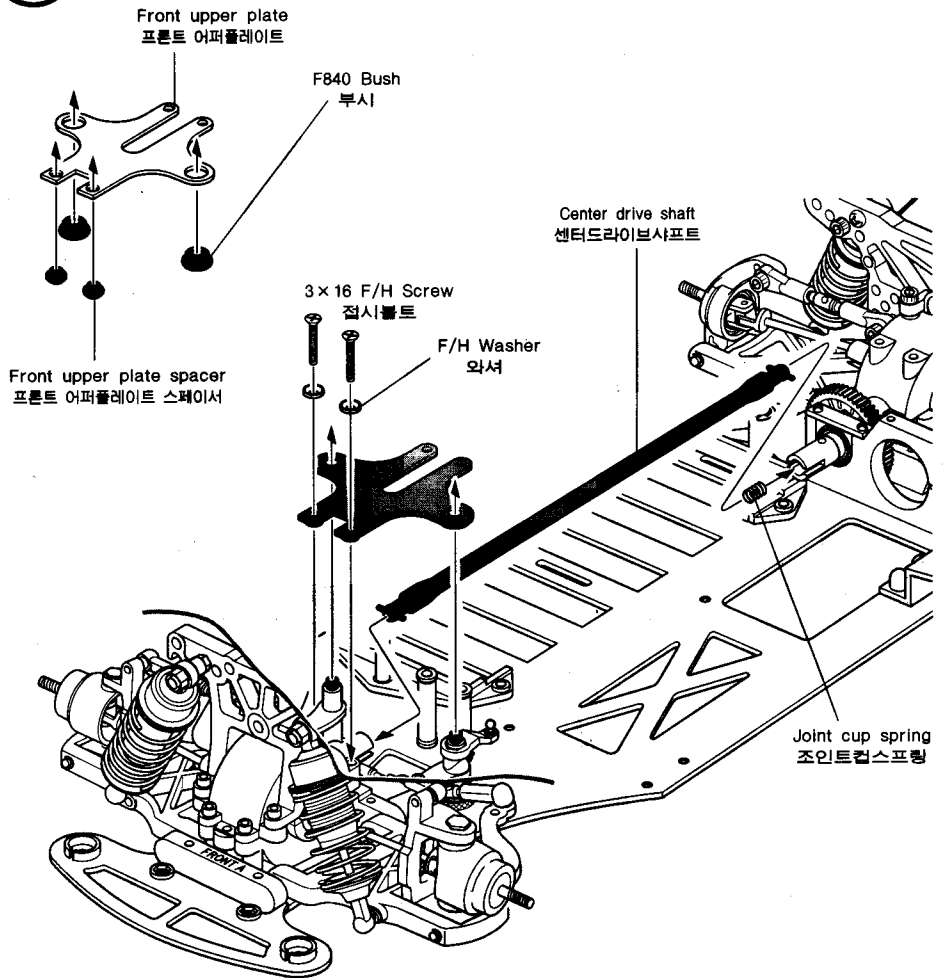
F/H Washer 2
와셔



3x16 F/H Screw 2
접시볼트



Joint cup spring 1
조인트컵스프링



19 J



F/H Washer 7
와셔



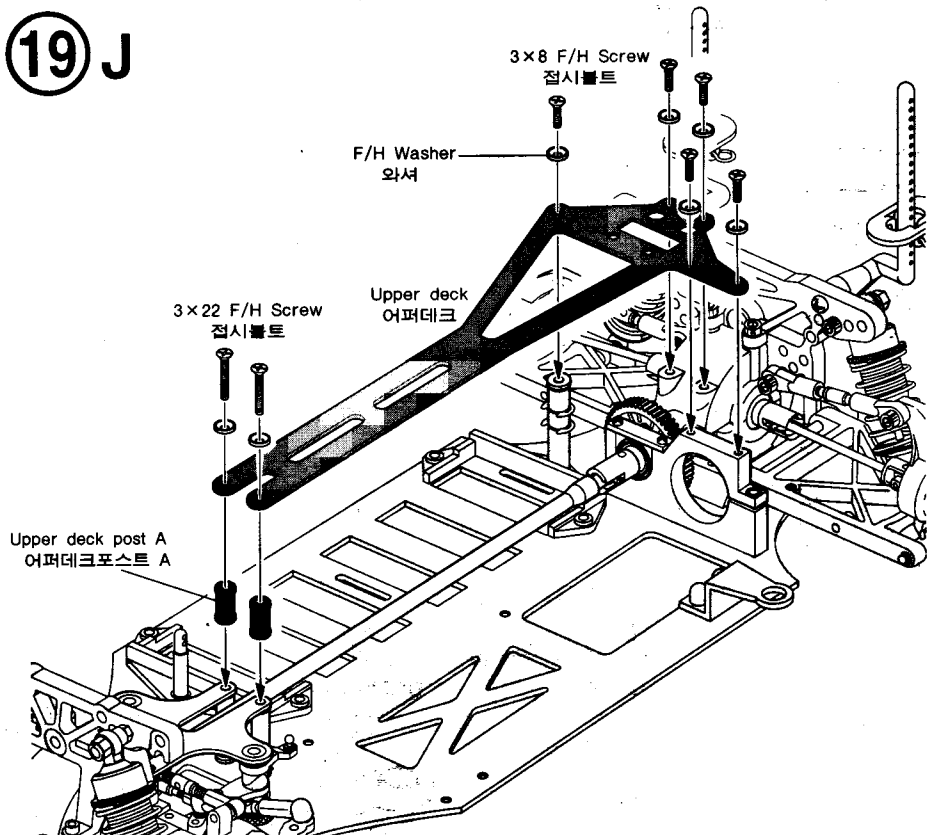
3x22 F/H Screw 2
접시볼트



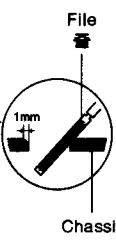
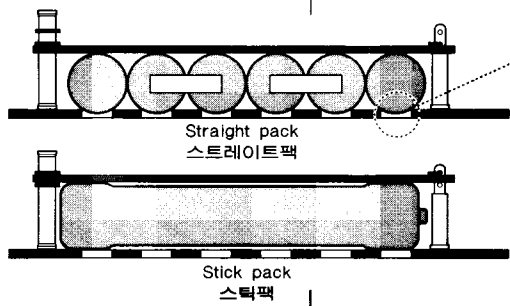
3x8 F/H Screw 5
접시볼트



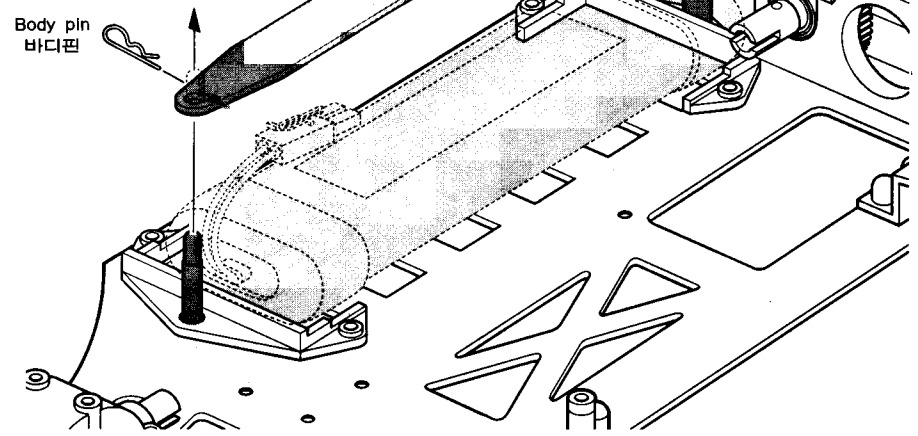
Upper deck post A 2
어퍼데크포스트 A



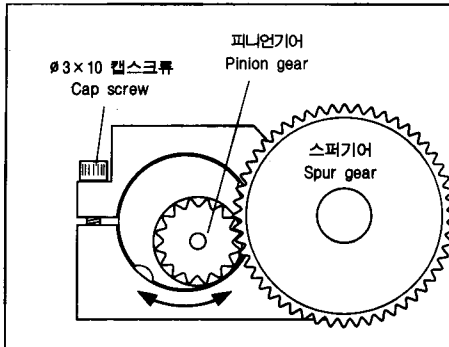
20 J



Chamfer off battery slots.
배터리가 장착되는 부분에
모서리를 없애준다.

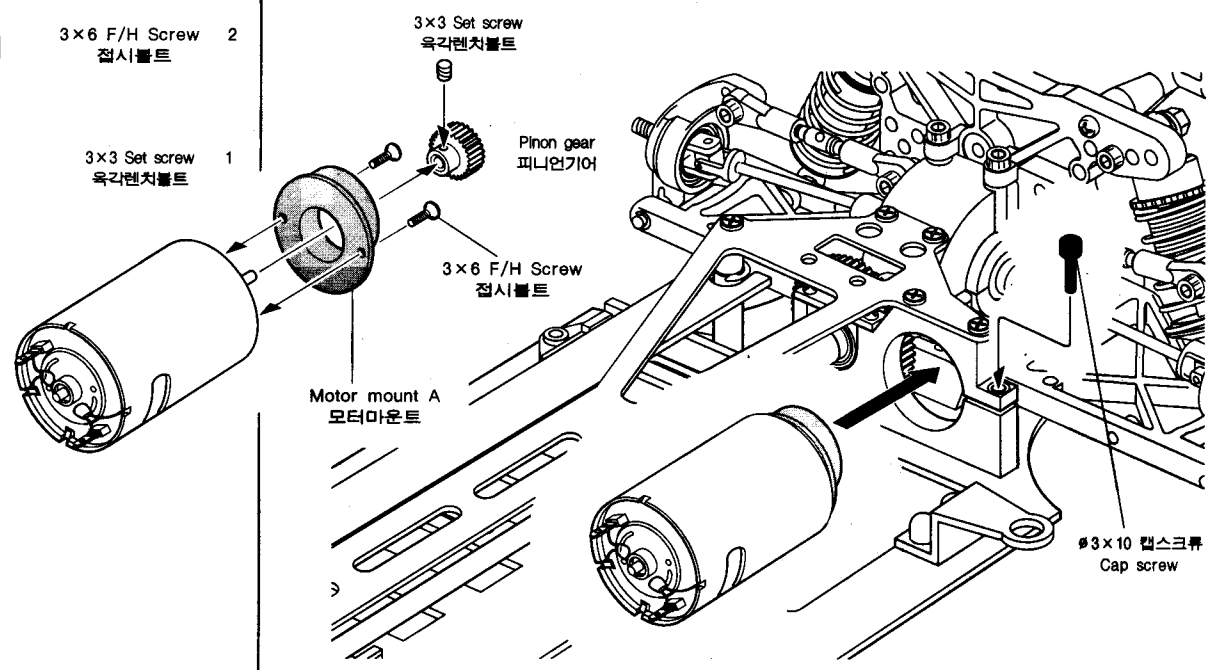


21 J

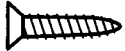


그림과 같이 캡스크류를 풀고 모터를 돌려 스퍼기어와 핀니언기어의 간격을 조절한다.
As like picture, loose cap screw and turn motor to adjust interval between spur gear and pinion gear.

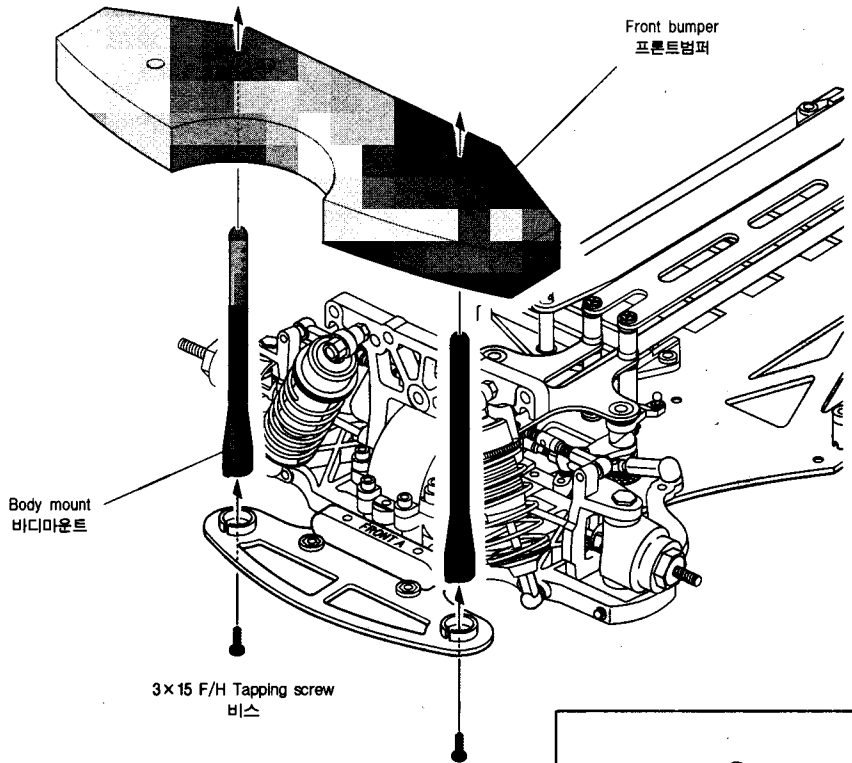
-  3 x 10 Cap screw 1
캡스크류
-  3 x 6 F/H Screw 2
접시볼트
-  3 x 3 Set screw 1
육각렌치볼트



22 K 



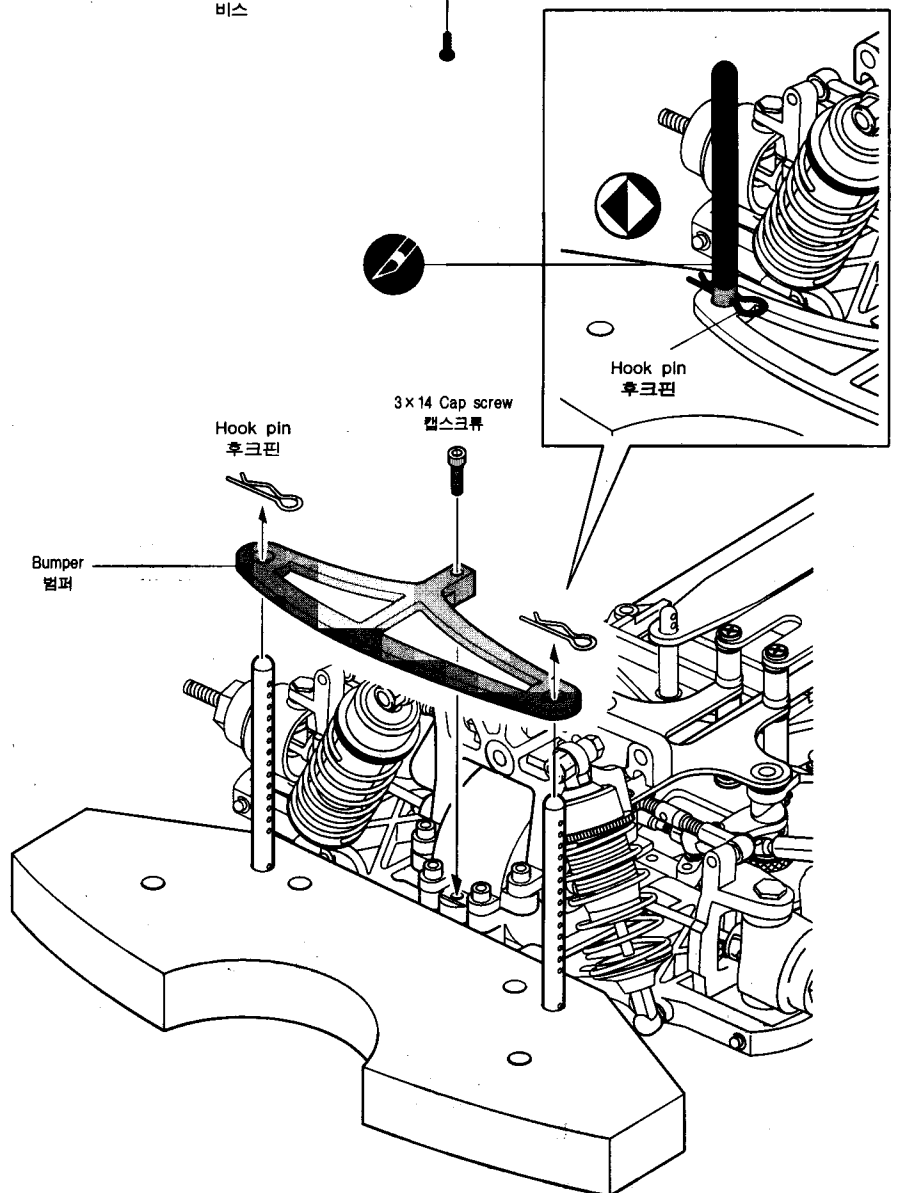
3x15 F/H
Tapping screw 2
비스

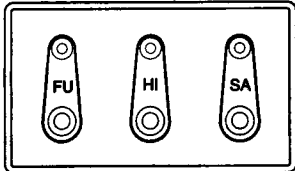


3x14 Cap screw 1
캡스크류



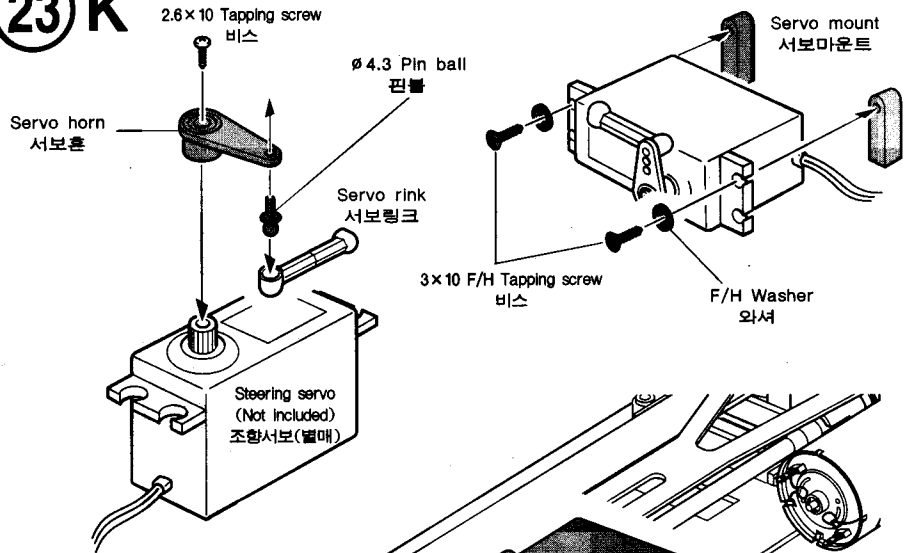
Hook pin 2
후크핀



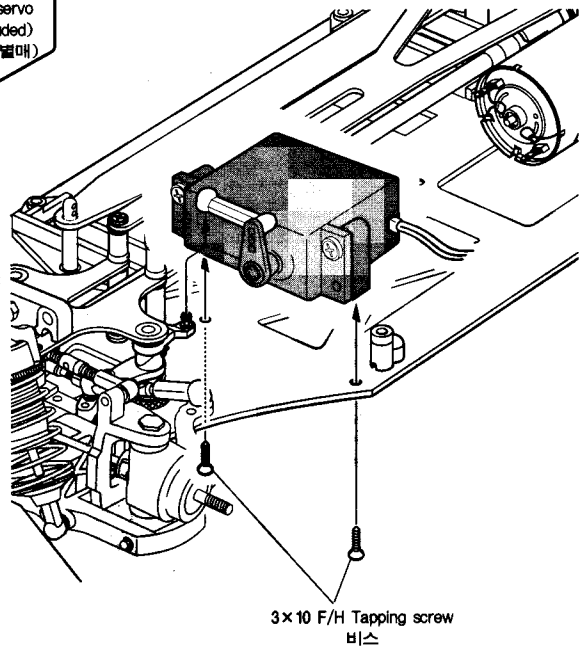


FUTABA 후디바 HITEC 하이텍 SANWA 산와

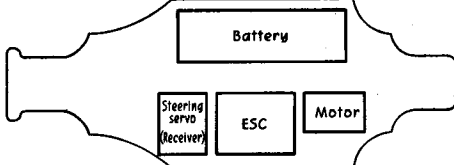
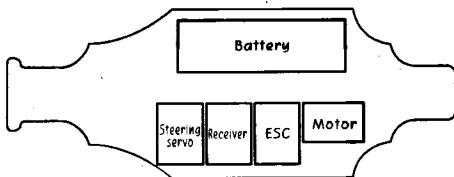
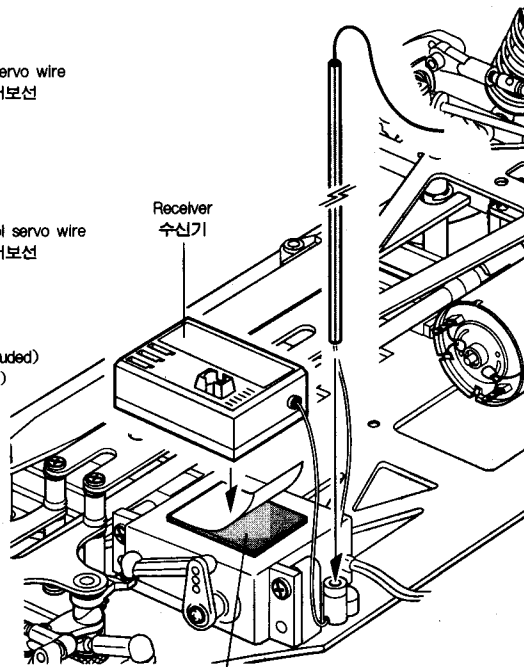
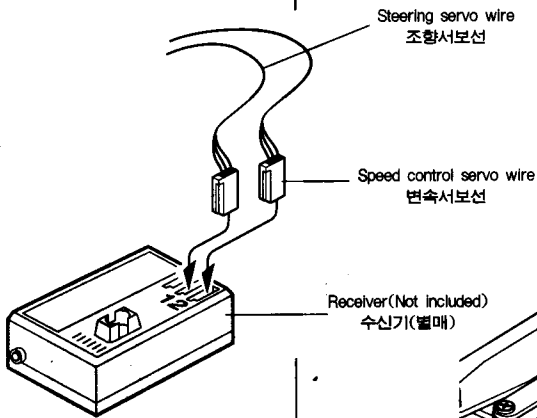
23 K



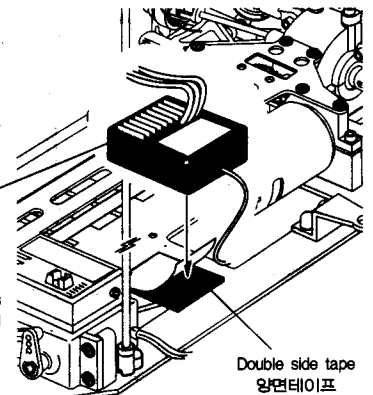
- 2.6x10 Tapping screw 비스 1
- F/H Washer 와셔 2
- 3x10 F/H Tapping screw 비스 4
- Ø 4.3 Pin ball 핀볼 2



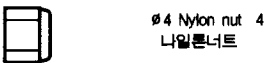
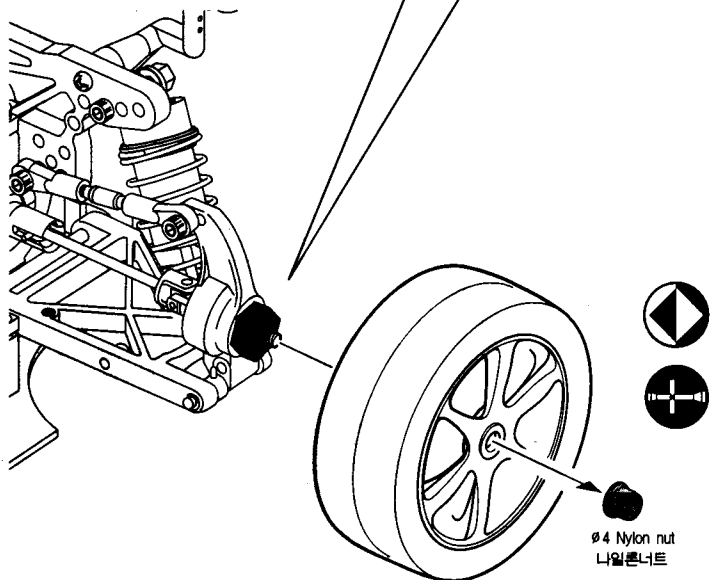
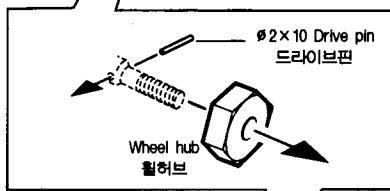
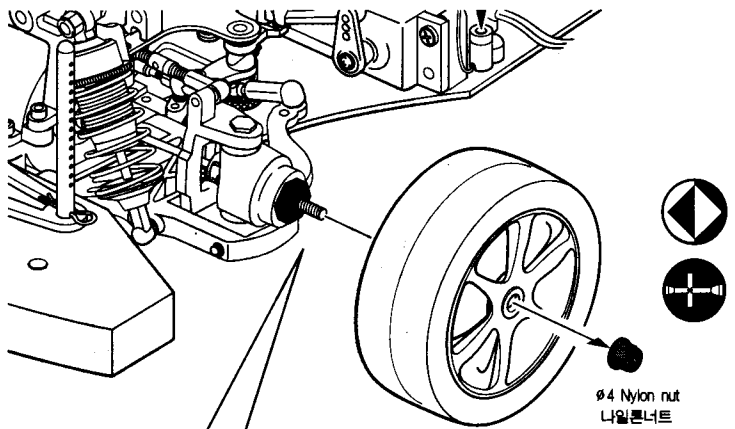
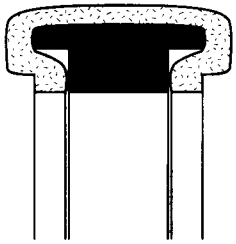
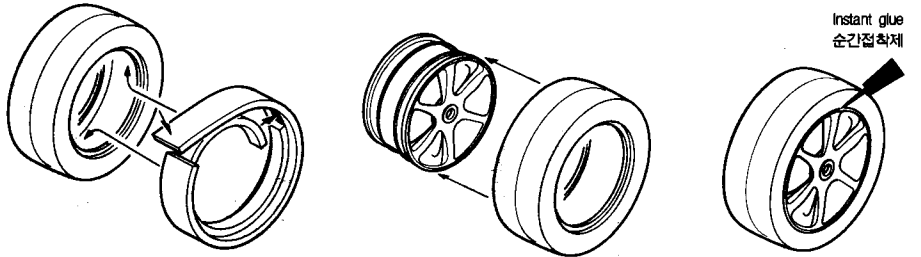
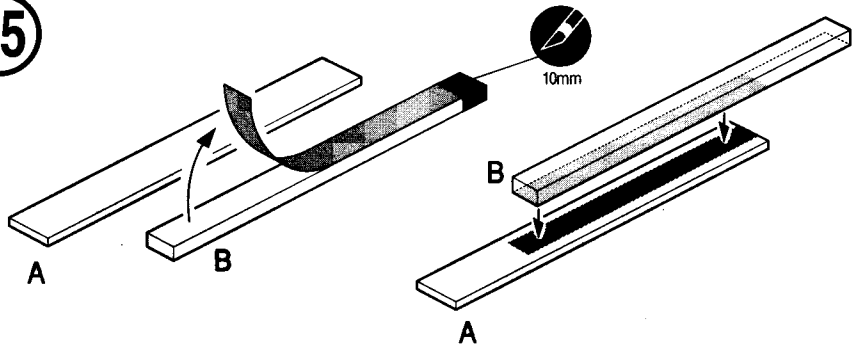
24 K



ESC (Not included) 전자변속기(별매)
 *Refer to the manufacturer's manual for wiring of speed control.
 변속기의 배선은 변속기 사용설명서를 참고하여 연결한다.



25



Ø4 Nylon nut 4
나일론너트



Wheel hub 4
휠허브



Ø2x10 Drive pin 4
드라이브핀

STR-4 Packing List

PACKING	STR-4 Pro	STR-4 Pro Sport
PRO-A	(카본)새시X1, 전륜로어암X2, 로어암마운트세트X1, 3X12접시볼트X8, 3X8접시비스X7, 3X8접시볼트X2, Ø3너트X2, 4X8육각렌치볼트X4, 55M/M힌지핀X4, Ø4.3핀볼트X2, 범퍼(하)X1, 배터리가이드X2, 폰다스테이X1, 인테너포스트X1, Ø1.5.렌치X1, Ø2.렌치X1, Ø2.5.렌치X1, 십자렌치X1 ChassisX1, Front Lower ArmX2, Ø3X12F/H ScrewX8, Ø3X8F/H Tapping ScrewX7, Ø3X8F/H ScrewX2, Ø3NutX2, Ø4X8Set ScrewX4, 55mm Hinge PinX4, Ø4.3Pin BallX2, Bumper(Lower)X1, Battery GuardX2, Ponder StayX1, Antenna PostX1, Ø1.5Allen KeyX1, Ø2.0Allen KeyX1, Ø2.5Allen keyX1, ⊕WrenchX1	(FRP)새시X1, 전륜로어암X2, 로어암마운트세트X1, 3X12접시볼트X8, 3X8접시비스X7, 3X8접시볼트X2, Ø3너트X2, 4X8육각렌치볼트X4, 55M/M힌지핀X4, Ø5.8핀볼트X2, 범퍼(하)X1, 배터리가이드X2, 폰다스테이X1, 인테너포스트X1, Ø1.5.렌치X1, Ø2.렌치X1, Ø2.5.렌치X1, 십자렌치X1 FRP ChassisX1, Front Lower ArmX2, Ø3X12F/H ScrewX8, Ø3X8F/H Tapping ScrewX7, Ø3X8F/H ScrewX2, Ø3NutX2, Ø4X8Set ScrewX4, 55mm Hinge PinX4, Ø5.8Pin BallX2, Bumper(Lower)X1, Battery GuardX2, Ponder StayX1, Antenna PostX1, Ø1.5Allen KeyX1, Ø2.0Allen KeyX1, Ø2.5Allen keyX1, ⊕WrenchX1
PRO-B	실리콘그리스(대)X1, 44T베벨기어X2, 사출부위X2, 볼디프와셔X4, 850오일레스메탈X4, Ø2.5디프볼트X24, Ø2트러스트볼트X12, 트러스트와셔X4, 볼디프스크류X2, 볼디프너트X2, 디프스프링X2, 볼디프허브X2, 볼디프허브X2 Silicon GreaseX1, 44T Bevel GearX2, BushX2, Ball Diff WasherX4, 850 Oilless MetalX4, Ø2.5Diff BallX24, Ø2Thrust BallX12, Ø2X6Thrust WasherX4, Ball Diff ScrewX2, Ball Diff NutX2, Ball Diff SpringX2, Ball Diff HubX2	실리콘그리스(대)X1, 44T베벨기어X2, 사출부위X2, 볼디프와셔X4, 850오일레스메탈X4, Ø2.5디프볼트X24, Ø2트러스트볼트X12, 트러스트와셔X4, 볼디프스크류X2, 볼디프너트X2, 디프스프링X2, 볼디프허브X2, 볼디프허브X2 Silicon GreaseX1, 44T Bevel GearX2, BushX2, Ball Diff WasherX4, 850 Oilless MetalX4, Ø2.5Diff BallX24, Ø2Thrust BallX12, Ø2X6Thrust WasherX4, Ball Diff ScrewX2, Ball Diff NutX2, Ball Diff SpringX2, Ball Diff HubX2
PRO-C	기어박스(하)전.후X1, 기어박스(상)전.후X1, 1510볼베어링X5, 1050볼베어링X4, 16T 베벨기어X2, 1.5X7.5핀X2, Ø4C스프링X2, Ø2X10핀X1, 센터조인트컵X2, 4X4세트스크류X2, 센터드라이브사프트스페이시X1, 전륜베벨기어사프트X1, 후륜베벨기어사프트X1, 3X8 접시볼트X3, 2X6 볼트X2, 3X10캡스크류X6, 3X6볼트X4, 3X10접시비스X8, 스퍼기어(62T,65T,76T,70T각)X1, AL스퍼기어어댑터X1, 진동방지모터마운트X1, 베어링홀더X1 Gear Box(Upper)F.RX1, Gear Box(Lower)F.RX1, 1510Ball BearingX5, 1050Ball BearingX4, 16T Bevel GearX2, Ø1.5X7.5PinX2, Ø4C-Stop RingX2, Ø2X10 Pin, Center Joint CupX2, Ø4X4Set ScrewX2, Center Drive Shaft SpacerX1, Front Bevel Gear ShaftX1, Rear Bevel Gear ShaftX1, Ø3X8F/H ScrewX3, Ø2X6P/H ScrewX2, Ø3X10Cap ScrewX6, Ø3X6P/H ScrewX4, Ø3X10F/H Tapping ScrewX8, Spur Gear(62T,65T,67T,70T 1EA), AL Spur Gear AdapterX1, Antivibration Motor MountX1, Bearing HolderX 1	기어박스(하)전.후X1, 기어박스(상)전.후X1, 1510볼베어링X5, 1050오일레스메탈X4, 16T베벨기어X2, 1.5X7.5핀X2, Ø4C스프링X2, Ø2X10핀X1, 센터조인트컵X2, 4X4육각렌치볼트X2, 센터드라이브사프트스페이시X1, 전륜베벨기어사프트X1, 후륜베벨기어사프트X1, 3X8접시볼트X3, 2X6볼트X2, 3X10캡스크류X6, 3X6볼트X4, 3X10접시비스X8, 스퍼기어(62T,65T,76T,70T각)X1, AL스퍼기어어댑터X1, 진동방지모터마운트X1, 베어링홀더X1 Gear Box(Upper)F.RX1, Gear Box(Lower)F.RX1, 1510Ball BearingX5, 1050Oilless MetalX4, 16T Bevel GearX2, Ø1.5X7.5PinX2, Ø4C-Stop RingX2, Ø2X10 Pin, Center Joint CupX2, Ø4X4Set ScrewX2, Center Drive Shaft SpacerX1, Front Bevel Gear ShaftX1, Rear Bevel Gear ShaftX1, Ø3X8F/H ScrewX3, Ø2X6P/H ScrewX2, Ø3X10Cap ScrewX6, Ø3X6P/H ScrewX4, Ø3X10F/H Tapping Screw X8, Spur Gear(62T,65T,67T,70T 1EA), AL Spur Gear AdapterX1, Antivibration Motor MountX1, Bearing HolderX 1
PRO-D	전륜허브X2, 후륜허브X2, 허브캐리어(5°)L.RX1, 1510볼베어링X4, 1050볼베어링X4, 유니버설사프트X4, Ø4.3핀볼트X4, 킹핀X4, 26.5M/M힌지핀X2, 33M/M힌지핀X2, 후륜허브스페이시X8, Ø2 E-링X8 Front HubX2, Rear HubX2, Hub Carrier(5°)L ·RX1, 1510Ball BearingX4, 1050 Ball BearingX4, Universal ShaftX4, Ø4.3Pin BallX4, King PinX2, 26.5mm Hinge PinX2, 33mm Hinge PinX2, Rear Hub SpacerX4, Ø2 E-RingX8	전륜허브X2, 후륜허브X2, 허브캐리어(5°)L.RX1, 1510오일레스메탈X4, 1050오일레스메탈X4, 액슬사프트X4, 드라이브사프트X4, Ø4.3핀볼트X4, 킹핀X4, 26.5M/M힌지핀X2, 33M/M힌지핀X2, 후륜허브스페이시X8, Ø2 E-링X8 Front HubX2, Rear HubX2, Hub Carrier(5°)L ·RX1, 1510 Oilless MetalX4, 1050 Oilless MetalX4, Axle ShaftX4, Drive ShaftX4, Ø4.3Pin BallX4, King PinX2, 26.5mm Hinge PinX2, 33mm Hinge PinX2, Rear Hub SpacerX4, Ø2 E-RingX8
PRO-E	Ø4.3볼엔드(A타입)X1Set, Ø5.8볼엔드(B타입)X1Set, 18M/M턴버클로드X2, 26M/M턴버클로드X4, 34M/M턴버클로드X1, 피봇볼(A)X2, Ø5.8볼X2, 피봇볼(C)X2 Ø4.3Ball End(A type)X1Set, Ø5.8Ball End(B type)X1Set, 18mm Turnbuckle X2, 26mm TurnbuckleX4, 34mm TurnbuckleX1, Pivot Ball AX2, Ø5.8BallX2, Pivot Ball CX2	Ø4.3볼엔드(A타입)X1Set, Ø5.8볼엔드(B타입)X1Set, 15mm로드X2, 26mm로드 X4, 34mm로드X1, 피봇볼(A)X2, Ø5.8볼X2, 피봇볼(C)X2 Ø4.3Ball End(A type)X1Set, Ø5.8Ball End(B type)X1Set, 15mm RodX2, 26mm RodX4, 34mm RodX1, Pivot Ball AX2, Ø5.8 BallX2, Pivot Ball CX2
PRO-F	댐퍼파트X2Set, 댐퍼바디X4, 댐퍼 캡X4, 스프링어저스터X4, 다이어프램X4, 29M/M댐퍼사프트X4, Ø2댐퍼피스톤X2, Ø3 O-링X8, 댐퍼부위X4, Ø2스냅링 X4, Ø2 E-링X8, Ø5.8볼X2, 댐퍼 스프링(오렌지)X2, 댐퍼 스프링(옐로우)X2, 실리콘 오일X2 Damper PartX2, Damper BodyX4, Damper CapX4, Spring AdjusterX4, DiaphragmX4, 29mm Damper ShaftX4, Damper Plston 2# ·3#X2, Damper BushX4, Ø8Snap RingX4, Ø2E-RingX8, Ø5.8BallX2, Damper Spring(Orange)X2, Damper Spring(Yellow)X2, Silicon OilX2, Ø3 O-RingX8	댐퍼파트X1Set, 댐퍼바디X4, 댐퍼캡X4, 다이어프램X4, 29mm댐퍼사프트X4, Ø3 O-링X8, Ø2 E-링X8, Ø5.8핀볼트X2, 댐퍼스프링X4, 실리콘오일X2 Damper PartX1Set, Damper BodyX4, Damper CapX4, DiaphragmX4, 29mm Damper ShaftX4, Ø3 O-RingX8, Ø2 E-RingX8, Ø5.8Pin BallX2, Damper SpringX4, Silicon OilX2
PRO-G	전륜댐퍼스테이X1, 후륜댐퍼스테이X1, 3X20캡스크류X4, Ø3너트X4, 3X14캡스크류X2, 3X10캡스크류X4, 3X8캡스크류X8 Front Damper StayX1, Rear Damper StayX1, Ø3X20Cap ScrewX4, Ø3NutX 4, Ø3X14 Cap ScrewX2, Ø3X10 Cap ScrewX4, Ø3X8 Cap ScrewX8	전륜댐퍼스테이X1, 후륜댐퍼스테이X1, 3X20캡스크류X4, Ø3너트X4, 3X14캡스크류X2, 3X10캡스크류X4, 3X8캡스크류X8 Front Damper StayX1, Rear Damper StayX1, Ø3X20Cap ScrewX4, Ø3NutX 4, Ø3X14 Cap ScrewX2, Ø3X10 Cap ScrewX4, Ø3X8 Cap ScrewX8
PRO-H	바디마운트X1Set, Ø3나일론너트X4, 3X10캡스크류X2, 3X12비스X4, 후크핀 X4, Ø3와셔X4 Body Mount SetX1Set, Ø3Nylon NutX4, Ø3X10Cap ScrewX2, Ø3X12P/H Tapping ScrewX4, Hook pinX4, Ø3WasherX4	바디마운트X1Set, Ø3나일론너트X4, Ø5.8핀볼트X2, 3X12비스X4, 후크핀X4, Ø3와셔X4 Body Mount SetX1Set, Ø3Nylon NutX4, Ø5.8Pin BallX2, Ø3X12P/H Tapping ScrewX4, Hook pinX4, Ø3WasherX4
PRO-I	서보세이버X1Set, 어저스터볼스터어빌포스트X1, 4X29스티어링포스트X1, 세이버스프링어저스터X1, 세이버스프링X1, Ø4.3핀볼트X5, 어퍼데크포스트BX2, 어퍼데크포스트CX1, 배럴리스트랩포스트X1, 840오일레스메탈X4, 3X8접시볼트X4, Ø5E-링 X2 Servo Saver Set, Steering Post A ·BX1, Saver Spring AdjusterX1, Saver SpringX1, Ø4.3Pin BallX5, Upper Deck Post BX2, Upper Deck CX1, Battery Strap PostX1, F#840 BushX4, Ø3X8F/H ScrewX4, Ø5 E-RingX2	서보세이버X1Set, 어저스터볼스터어빌포스트X1, 4X29스티어링포스트X1, 세이버스프링어저스터X1, 세이버스프링X1, Ø4.3핀볼트X5, 어퍼데크포스트BX2, 어퍼데크포스트CX1, 배럴리스트랩포스트X1, 840오일레스메탈X4, 3X8접시볼트X4, Ø5E-링 X2 Servo Saver Set, Steering Post A ·BX1, Saver Spring AdjusterX1, Saver SpringX1, Ø4.3Pin BallX5, Upper Deck Post BX2, Upper Deck CX1, Battery Strap PostX1, F#840 BushX4, Ø3X8F/H ScrewX4, Ø5 E-RingX2
PRO-J	(카본)프론트어퍼플레이트X1, (카본)어퍼데크X1, (카본)센터드라이브사프트 X1, (카본)배럴리스트랩X1, F/H와셔X9, 어퍼플레이트스페이시X2, 어퍼데크포스트 AX2, 모터마운트AX1, 3X16접시볼트X2, 3X22접시볼트X2, 3X8접시볼트X5, 바디핀 X5, 27T피니온기어X1, 조인트컵스프링X1, 3X10캡스프링X1, 3X3렌치볼트X1, 3X6접시볼트X2 Carbon Front Upper PlateX1, Carbon Upper DeckX1, Carbon Center Drive ShaftX1, Carbon Battery StrapX1, F/H WasherX9, Upper Plate SpacerX2, Upper Deck Post AX2, Ø3X16F/H ScrewX2, Ø3X22F/H ScrewX2, Ø3X8F/H ScrewX5, Body PinX5, 27T Pinion GearX1, Joint Cup SpringX1, Ø3X10Cap ScrewX1, Ø3X3Set ScrewX1, Ø3X8F/H ScrewX2	(FRP)프론트어퍼플레이트X1, (FRP)어퍼데크X1, 센터드라이브사프트 X1, (FRP)배럴리스트랩X1, F/H와셔X9, 어퍼플레이트스페이시X2, 어퍼데크포스트 AX2, 모터마운트AX1, 3X16접시볼트X2, 3X22접시볼트X2, 3X8접시볼트X5, 바디핀 X5, 27T피니온 기어X1, 조인트컵스프링X1, 3X10캡스프링X1, 3X3렌치볼트X1, 3X6접시볼트X2 FRP Front Upper PlateX1, FRP Upper DeckX1, Center Drive ShaftX1, FRP Battery StrapX1, F/H WasherX9, Upper Plate SpacerX2, Upper Deck Post AX2, Ø3X16F/H ScrewX2, Ø3X22F/H ScrewX2, Ø3X8F/H ScrewX5, Body PinX5, 27T Pinion GearX1, Joint Cup SpringX1, Ø3X10Cap ScrewX1, Ø3X3Set ScrewX1, Ø3X8F/H ScrewX2
PRO-K	스폰지범퍼X1, 서버몬X1Set, 범퍼(상)X1, 후크핀X2, 2.5X7.5양면테이프X1, 3X1접시비스X4, 3X15접시비스X2, 3X14캡스크류X1, 2.6X10비스X1, Ø4.3핀볼트X1, F/H와셔X2, 서보마운트X2 Foam BumperX1, Servo HonX1Set, Bumper(Upper)X1, Hook PinX2, Double Side TapeX1, Ø3X10F/H Tapping ScrewX4, Ø3X15F/H Tapping ScrewX2, Ø3X14Cap ScrewX1, Ø2.6X10P/H Tapping ScrewX1, Ø4.3Pin BallX1, F/H WasherX2, Servo MountX2	스폰지범퍼X1, 서버몬X1Set, 범퍼(상)X1, 후크핀X2, 2.5X7.5양면테이프X1, 3X1접시 비스X4, 3X15접시비스X2, 3X14캡스크류X1, 2.6X10비스X1, Ø4.3핀볼트X1, F/H와셔X2, 서보마운트X2 Foam BumperX1, Servo HonX1Set, Bumper(Upper)X1, Hook PinX2, Double Side TapeX1, Ø3X10F/H Tapping ScrewX4, Ø3X15F/H Tapping ScrewX2, Ø3X14Cap ScrewX1, Ø2.6X10P/H Tapping ScrewX1, Ø4.3Pin BallX1, F/H WasherX2, Servo MountX2
Etc.	STR-4프로스티커X1, 타이어X4, 인너폼AX4, 인너폼BX4, 휠X4, 실링셔X1, 부품 리스트X1 StickerX1, TireX4, Inner FoamX4, WheelX4, Parts List	STR-4프로스티커X1, 타이어X4, 인너폼AX4, 인너폼BX4, 휠X4, 실링셔X1, 부품 리스트X1 StickerX1, TireX4, Inner FoamX4, WheelX4, Parts List

부품이 파손되었거나 분실했을 경우

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ACADEMY PLASTIC MODEL CO., LTD.
273-64, Suyu-dong, Kangbuk-gu, Seoul, Korea
TEL:82-2-908-7000 FAX:82-2-997-3003

Name : _____
Date : _____
Track : _____

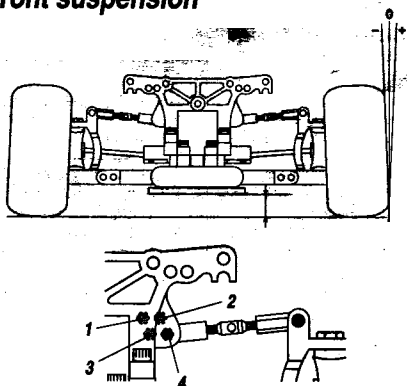
Track conditions

Size : Open Med. Tight

Traction : High Med. Low

Surface : Smooth Bumpy

Front suspension



Ride height _____ mm

Camber angle _____ °

Caster angle 10° 7.5° 5°

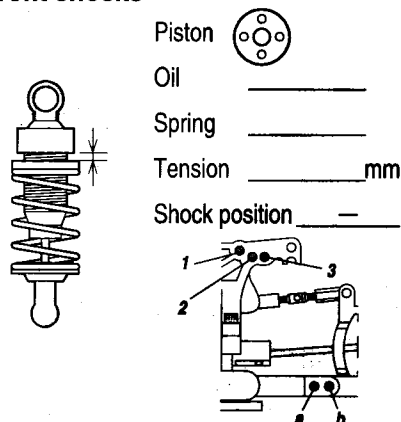
Toe angle in/out _____ °


Rebound _____ mm

Upper arm position _____

Anti-roll bar _____ ∅

Front shocks



Piston 

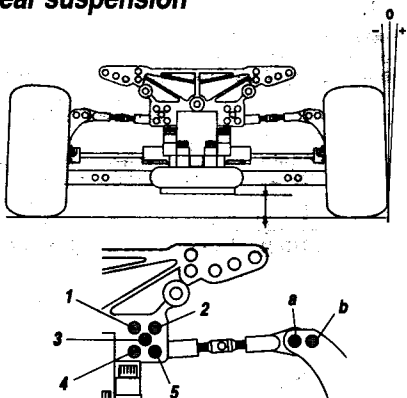
Oil _____

Spring _____

Tension _____ mm

Shock position _____

Rear suspension



Ride height _____ mm

Camber angle _____ °

Anti-squat _____ °

Rebound _____ mm

Upper arm position _____

Anti-roll bar _____ ∅

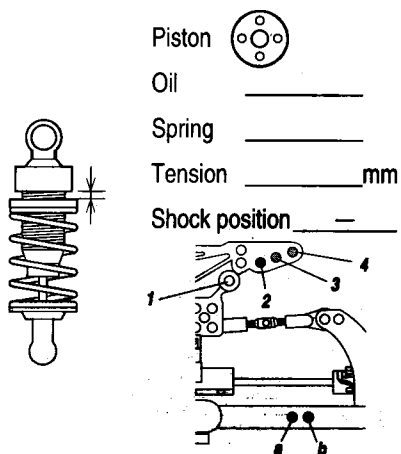
Toe angle 2° _____ °


One way

Front Yes No

Center Yes No

Rear shocks



Piston 

Oil _____

Spring _____

Tension _____ mm

Shock position _____

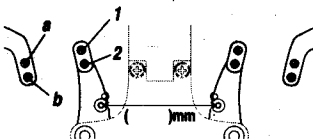
Steering

Steering rink position _____

Steering servo _____

Steering speed _____ %

Steering curve _____ %



Body & Wing

Body _____ Wing _____

Wing angle _____

Tires & Wheels

Front Tire _____ Rear Tire _____

Insert _____ Insert _____

Wheel _____ Wheel _____

Result

Race time / Lap _____

Best lap (1Lap) _____

Motor _____ T/ _____ Brake _____ %

ESC _____ ABS Yes No

Battery _____ mA Matched Yes No

Drive ratio S T/P T x 2.75 = _____

Overall drive ratio

Spur / Pinion	62T	65T	67T	70T
25T	6.28	7.15	7.37	7.7
27T	6.31	6.62	6.82	7.12
29T	5.87	6.16	6.35	6.63
31T	5.5	5.76	5.94	6.2
33T	5.16	5.41	5.58	5.83
35T	4.87	5.10	5.26	5.5

Comments