

LAND CRUISER TOYOTA

1/10th SCALE
HIGH PERFORMANCE
RADIO CONTROL
OFF-ROAD CAR
READY TO ASSEMBLE KIT.

1/10 SCALE R/C MODEL No. 8

TOYOTA LAND CRUISER

WITH MABUCHI RS-540S MOTOR

7.2V RACING PACK COMPATIBLE



PRODUCT BY TOKYO MARUI PLASTIC CO., LTD.

HIGH PERFORMANCE RADIO CONTROL CAR



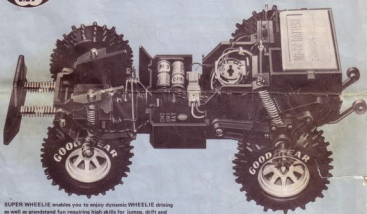
1/10 SCALE DYNAMIC STUNT AND OFF-ROAD RACE RADIO CONTROL CAR

TOYOTA LAND CRUISER

SUPER WHEELIE



FORWARD THREE STAGE SPEED CONTROL/REVERSE ONE STAGE SPEED CONTROL AND TWO STAGE BRAKE.
INDEPENDENT FRONT SUSPENSION AND COIL SPRING RIGID REAR SUSPENSION/DIFFERENTIAL GEAR DRIVE.



SUPER WHEELIE enables you to enjoy dynamic WHEELIE driving as well as grandstand fun requiring high skills for jumps, drift and spin turns. This is a fully equipped and highly mechanical remote control model. Overall length: 365 mm, overall width: 210 mm, overall height: 215 mm, wheel base: 183 mm, front tread: 163 mm, rear tread: 105 mm, overall weight: 1960 g

TOKYO MARUI PLASTIC MODEL CO., LTD.



COMPONENTS NOT INCLUDED IN THE KIT >>>

• Radio controller (Two-channel proportional controller and wires)



• Dry-cell batteries for the radio controller

Most regular proportional proportional controllers may be used, but it is a good idea to check with the manufacturer before buying to see whether the model is applicable to this drive. (When planning to purchase a proportional controller, the following models are recommended.)

FUTABA
LAOSHA
LRL
K.O.

ATTACK, MAGNUM
DASH
S&B 2
P&H

• Battery for the drive mechanism

The drive mechanism requires a 8V or 7.2V Ni-Cd battery pack and a charger.



The drive mechanism requires either a 7.2V Ni-Cd racing battery pack or a standard 8V battery pack. These battery packs may be recharged up to 300 times and come in two types, each with a different charging time: a normal type that requires 15 to 18 hours using a 1000V wall wailer and a quick-charging type requiring only 15 to 25 minutes using a 12V outlet — an automobile cigarette lighter, for example.

TOOLS REQUIRED FOR ASSEMBLY >>>

Only Phillips screwdrivers are shown in actual sizes.



Phillips screwdriver (Large steel)
Used for 3 mm screws,
4 mm screws, and
2 mm tapered screws.



Phillips screwdriver (Medium steel)
Used for 2.6 mm tapping screws and
2 mm screws.



Regular screwdriver (Medium steel)



Center



Needle-nose
pliers



Side cutters



Scissors

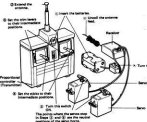


Small hammer



Insulating vinyl and yellow
phono tape

RADIO-CONTROL MECHANISM >>>



The points where the wires stop in Steps 1 and 2 are the correct positions of the servo horns.

This kit operates under a digital radio control system using a two-channel proportional controller and two servos, motor and transmission proportional controller may be used, but note that some of the mechanical connections are not applicable to this kit. Connections with three or eight channels are not suitable.

• Connecting the transmitter and the receiver

- 1 Insert batteries in the transmitter and receiver.
- 2 Connect the transmitter antenna and extend the antenna straight.
- 3 Turn the transmitter switch on. (Monitor horn and the receiver switch on Step 4.)
- 4 Turn on the receiver switch on.
- 5 Set both the servo to their intermediate positions.
- 6 Set both sticks to their intermediate positions. (The positions where both servo horns are extended the neutral positions of the servos.)
- 7 Check that each servo horn responds correctly when the stick is moved.
- 8 When the above check is complete, turn off the receiver and the transmitter — in that order.

Please refer to the proportional controller's manual for details on the operation of the radio-control mechanism.



Spacer A (2 x 8 mm)
= 2 pcs.

Pinion gear (2 x 4 mm)

Washers using an RS-5000 motor, please prepare these additional parts:
Spacer B (2.5 x 6 mm)
= 1 pc.
Washer for motor
= 1 pc.
Washer for motor
= 1 pc.

Pinion gear = 1 pc.

Adjusting rod (Medium) = 1 pc.

Adjusting rod (Long) = 1 pc.

Pinion gear = 1 pc.

Length to be adjusted
is 10 mm.

Adjusting rod (Short) = 1 pc.

Glass sleeve
= 2 pcs.

<<USED AS JIG DURING ASSEMBLY>>

Motor holding screw = 2 pcs.
Screw shaft (2 x 20 mm) = 1 pc.

4 TIE ROD AND STEERING ROD ASSEMBLY



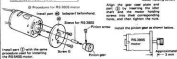
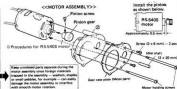
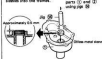
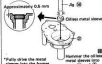
5 INSTALLING THE TIE RODS AND STEERING ROD

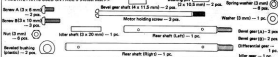
<<INSERTING THE TIE RODS AND THE STEERING ROD>>



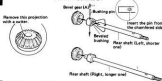
6 MOTOR ASSEMBLY

<<ASSEMBLING THE METAL SLEEVE>>





7 DIFFERENTIAL GEAR ASSEMBLY

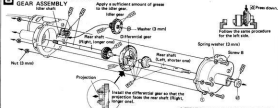


<<GETTING THE BEVEL GEARS>>

The assembly procedure is broken down into four steps (1 through 4).

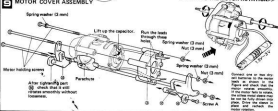


8 INSTALLING THE DIFFERENTIAL GEAR ASSEMBLY



9 MOTOR COVER ASSEMBLY

<<TESTING THE MOTOR ROTATION>>



Useful size <<<

Tapping screw A
12 x 8 mm — 8 pcs.

Lock nut with nylon
inner sleeve 14 mm
— 4 pcs.



Rear arm screw — 2 pcs.



Rear suspension spring — 2 pcs.



Washer 14 mm — 2 pcs.

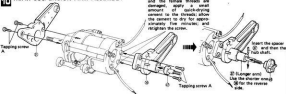


Hub shaft 12 x 8 mm —
2 pcs.

Washer 8 mm — 2 pcs.



10 REAR SUSPENSION ARM ASSEMBLY



HAMMERING IN THE HUB SHAFT

Insert the hub shaft from the chamfered side.



Make sure that the ends of the hub shaft protrude equally on both sides.



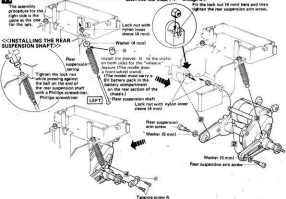
Insert part (10) until it contacts the hub shaft.



Cross section of part (10)

11 REAR SUSPENSION ARM ASSEMBLY

The assembly procedure is broken down into four steps (1 - 4) through (4.1).



Tapping screw P
(2 x 6.7 mm)
— 10 pcs.

Lock nut with nylon
inner sleeve (M 6mm) — 4 pcs.

Body mount (steel) — 2 pcs.

Plano wire (1.5 diameter x 75 mm length) — 1 pc.



Bumper spring — 2 pcs.



12 TIRE AND WHEEL ASSEMBLIES

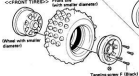
Insert a wheel (A) into the rear tire as shown in the Figure below. Apply soapy water to smooth assembly.

Press and insert part (B) into the tire in the direction indicated by the arrow.

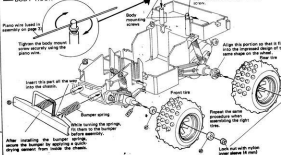
<<REAR TIRES>>



<<FRONT TIRES>>



13 INSTALLING THE BUMPER, TIRES, AND BODY HOOK



Nut (2 mm) = 2 pcs.

Free ball A (Start) = 1 pc.

Free ball B (Medium, plated) = 1 pc.

14 INSTALLING THE STEERING SERVO ASSEMBLY

This step involves adjustment of the servo operation. Connect both servos to the receiver before starting. See page 2 for further details.

1. Cut the shaped portions off. Insert the free ball A here.



The servo horns come in different shapes and sizes - in this shape, for example - depending on the manufacturer. If the servo horn design does not match this kit, relocate the holes or cut off the unnecessary portions.

Set the ball in so that the pins are parallel or point slightly inward by rotating these end balls B.



Use a piece of cloth coated with alcohol, benzene, or some other similar solvent, and wipe only stains off the portions to be fixed with a fast-resistant double-faced adhesive tape.

If you installed the steering servo in correctly, remove it gradually and then release.



Grab the end balls into place after installing the steering servo to the shafts.

After determining where to install the steering servo, rotate this end ball to the point where it can be attached to the free ball on the servo horn.

15 ASSEMBLING AND ADJUSTING THE SPEED-CONTROLLER SERVO (1)

(This step involves adjustment of the servo operation. Connect both servos to the receiver before starting. See page 2 for further details.)

Servo horns (included with the proportional controller)

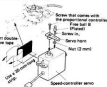
Insert the free ball A into this hole.



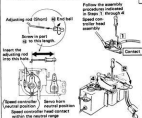
Cut the shaped portions off.

Use one of the servo-horn holes located 12 - 15 mm from the shaft.

- Draw the portions to be fixed with double-faced adhesive tape using a piece of cloth coated with plastic-model thinner or some other similar solvent.
- Do not touch the adhesive surface of the tape. Oil or stains on your fingers may reduce the tape's bonding strength.
- Firmly press the servo against the side of the speed controller to ensure bonding.



16 ADJUSTING THE SPEED-CONTROLLER SERVO (2) (Very important)



Follow the assembly procedures indicated in Steps 1 through 4.



17 SWITCH POSITION

a The speed controller servo turns down if it is used repeatedly because it is a repetitive type unit. The turn in operation may occur in form of it. The model continuously operate low or intermediate speed. Use the high speed range for low speed because it is more reliable.

a The speed controller is constantly receiving large electric current. These currents in a continuous run.

a Do not touch the speed controller when the operation is in operation because the circuit will be shorted.

a If the switch fails to engage in the forward high range due to incorrect speed controller in switch lead position, or faulty wiring, the case above may occur and will damage the primary control board.

a When the speed controller is made with a speed controller, the case is obvious because which generates a small amount of heat.

18 FORWARD-REVERSE STICK



19 ADJUSTING THE SERVO-HORN STROKE

The servo-horn stroke varies depending on the servo design. Check that the servo-horn (servo) range between the forward (right) and the reverse (left) positions when the speed controller is in the neutral position. If the servo-horn stroke is incorrect, adjust it with the procedure shown in the Figure to the right.

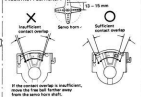


20 Adjust the servo-horn stroke in Steps 1 through 4.

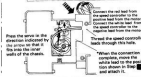
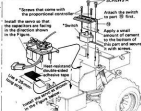


<<METAL PARTS USED ON PAGE 9 (Actual size)>>
Screw A (2 x 5 mm) 1 pc.
Adjusting rod (Shunt) 1 pc.

21 CONTACT POSITIONS



22 INSTALLING THE SPEED-CONTROLLER SERVO



18 <<INSTALLING THE RECEIVER>>

<<METAL PARTS USED ON PAGE 11 (Actual size)>>

Tapping screw
(2 x 6.3 mm) — 1 pc.

Joint pipe
(2 x 20 mm)
— 2 pcs.



Check the antenna lead so that the length of wire from the receiver to the battery is 3 cm, and the length from the bottom to the end of the wire is 60 cm.



Install the receiver on top of the steering servo.



Plug the connector into the receiver and tie up the excessive slack in the cord with a plastic tie.

19 INSTALLING THE NI-CD BATTERY PACK

* BATTERY CONNECTOR (TYPE 2)

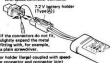
Connector holder (Small)
(This portion is shorter than the 8 type.)



Connect the red lead to the red lead. Otherwise, the model will run in reverse when the proportional controller stick is moved forward.



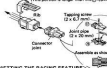
Connector holder (Small) coupled with speed-controller connector



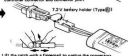
If the connectors do not fit, slightly expand the metal fitting with, for example, a plain screwdriver.

* BATTERY CONNECTOR (TYPE 3)

Connector holder (Large)
(This portion is longer than the 2 type.)



Connector holder (Large) coupled with speed-controller connector and connector joint



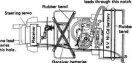
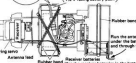
Lift the catch with a fingernail to unplug the connectors.

<<SETTING THE RACING FEATURE>>

<<SETTING THE "WHEELIE" FEATURE>>

(This model can do a front-wheel stand.)

Run the Ni-Cd battery leads through this notch.



ASSEMBLING THE WINCH, THE WINDSHIELD, AND THE DRIVER

• The driver and his helmet may be pinned to seats that are tilted.

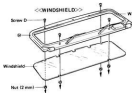


■ **Don't miss out on the best of the best in the state**



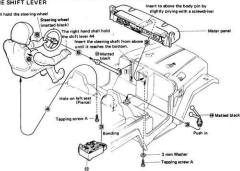
• **Chlorine** is added to water supply

• **Iron** is removed



21 INSTALLING THE DRIVER, THE INSTRUMENT PANEL, THE STEERING WHEEL, AND THE SHIFT LEVER

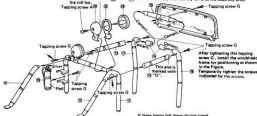
The left hand side of (2) is the growing volume





ROLL CAGE ASSEMBLY

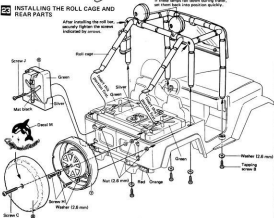
◀ Don't assemble parts ② and ③ off the roll bar, and then try to force the assembly onto the roll bar. ▶



INSTALLING THE ROLL CAGE AND REAR PARTS

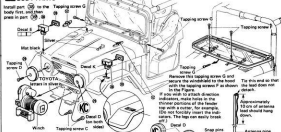
After installing the roll bar, securely tighten the screws indicated by arrows.

If these straps fall down during travel, set them back into position quickly.

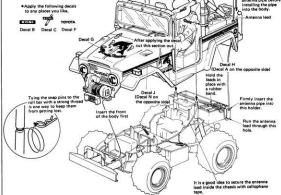


Tapping screw C (2.8 x 11 mm) - 2 pcs. Tapping screw D (3.8 x 8 mm) - 2 pcs. Tapping screw E (2 x 11 mm) - 2 pcs. Tapping screw F (2 x 6.7 mm) - 2 pcs. Snap pin - 2 pcs.

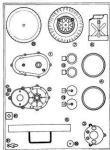
24 INSTALLING THE FRONT BODY PARTS



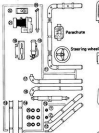
25 INSTALLING THE BODY AND APPLYING THE DECALS



Abstract



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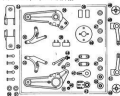
The nylon parts are sometimes coated with a small amount of moisture. Please remove the moisture off with a piece of cloth.

[illegible]

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[illegible]

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Keywords: *workplace spirituality, organizational commitment, organizational citizenship behavior, turnover intention, organizational trust*



Ball bearings may not be used in your case please

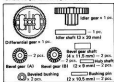


Figure 1



Figure 1. The effect of the number of trials on the number of correct responses.

[illegible]

Part List

Excess screws and nuts are included, which are used in spare parts.
(p. 2). Part with 3 mm diameter

Metal set



Nut set



In addition following parts are included:



Steel x 1



Heat resistant double coated tape x 1



Green x 1 nut

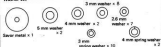
Black x 1 tube

Antenna pipe x 1



Rubber band x 4

Washer set



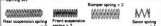
Screw set



Tapping screw set



Spring set



Shaft set A



Shaft set B

