1/8 SCALE
4WD GAS POWERED
RACING BUGGY

MBX

INSTRUCTION MANUAL
KIT NO. C0050/C0051:59800-79800

(Technical Data)
Length: 488mm
Width: 306mm
Height: 187mm
Wheel Base: 325mm
Tread (F/R): 251/251 mm
Gear Ratio: 11.7:1
Weight: 3,400g

- 3 Differential Shaft Drive 4WD - 4 Bavel Gears - Steel Conical Gear - Steel Spur Gear - 2-pcs Gear Box - Separate Suspension Mount - F/R Double Wishbone Suspension - Front Universal Joint - F/R Anti-Roll Bar - F/R Tension Rod - F/R Disk Brake w/ Adjuster - F/R Damper w/Dust Rubber - 3mm Flat Surface Chassis A70-75 (T6) A70-75 (T6) F/R Damper Stay 3-pcs Clutch & Flywheel - Fuel Tank w/Filter - Air Filter - Box Type Receiver Case - Battery Holder For 6V5N-500mAh Receiver Battery - Adjustable Wing Stay - Nylon Wing - New Stone Guard - Light-weight Spoke Wheel - Ball-raced

Other items needed to operate this model:
2 Channel radio with servos, 3.5cc R/Exhaust Engine with muffler, manifold, tire & inner foam, starter, and fuel.

MUGEN SEIKI CO., LTD.
1395 Takane Cho, Funabashi, Chiba 274-0817, Japan
TEL: 0474-39-1663 FAX: 0474-30-1665
**1. Front and Rear Differential**

Assemble two complete units.

- 10x0.2 Washer
- 2.0x9.82 Pin
- 3.5x7.0 O-Ring
- 5.0x7.0 O-Ring
- 5.0x8.0 METAL
- 5.0x10x0.2 Washer
- 2.0x9.82 Pin

**2. Center Differential**

Assemble the center differential as shown in the diagram. Be sure to use liquid screw locking compound on SK(5x5) and SG(3x20) screws.

- 10x0.2 Washer
- 2.0x9.82 Pin
- 3.5x7.0 O-Ring
- 5.0x7.0 O-Ring
- 5.0x8.0 METAL

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*Note: Diagram includes various components and parts necessary for assembly.*

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*Option Parts*

- SK 5x5
- SG 3x20
- SM 3.5x30
- SM 3.5x40
7 Lower Arm

Make two rear suspension stabilizer arms by cutting down C0111 as shown and attach them to the SK 3x12 screw. The overall length of these arms is 38 mm.

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SK 3 x 3
SK 3 x 12
OE-3
SG 3 x 16

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Cut it off with a cutter knife.

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Front Lower Arm

Rear Lower Arm

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2.5 mm Hexagonal Wrench

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C0133 を組み込む場合、前紙のセッティングシートを参考に組み込んでください。

Please refer to the "SETTING SHEET" in a separate sheet.
キットバッグH
SN3（Standard nut）

キットバッグJ
SG 3×20
SN3（Nylon nut）
SG 3×12
SG 3×16
SJA 3×12

13 前後テンションロッド

前テンションロッド

約11.3 mm
シェーシに取り付け後C0107Aがスムーズに動くように長さを調整してください。
Adjust the length of C0107A after putting C0107A on the chassis.

後テンションロッド

約3B mm
シェーシに取り付け後C0107Aがスムーズに動くように長さを調整してください。
Adjust the length of C0107A after putting C0107A on the chassis.
**Kit Bag L.**

- **SG 3×8**
- **OW3×8×0.5**
- **OW5×10×1**
- **OW7×14×0.5**

**Engine**

Adjust set screw of carburetor to change the direction of carburetor in the opposite side as shown. Adjust set screw of Throttle Linkage Ball to turn like as shown above.

Engine rotation direction.

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*Hook on CO0706 SPRING top edge by CO704A.*
17 Kit Bag K.
- SL 3x12
- SM 3x12

17 Fuel Tank
- C0853
- SL 3x12
- C0352A
- SM 3x12

18 Kit Bag P
- Option Parts:
  - B0310 Carburetor (Red)
  - B0311 Carburetor (Silver)
  - B0312 Carburetor (White)
  - B0314 Color Silicone Pipe (Pink)
  - B0315 Color Silicone Pipe (Green)
  - B0316 Color Silicone Pipe (Yellow)

18 Fuel Pipe
- Pressure Pipe
- Fuel Pipe

19 Kit Bag K.
- SL 3x14

19 Radio
- Steering Servo
- Engine Control Servo
- C0303A
- C0350
- C0301B
- C0301B
- 500mAh Ni-cd Battery

Fix with vinyl tape.
Kit Bag K.P.

Radio

Antenna Pipe
Switch Screw
Resolver

Switch

SM 3x12

Kit Bag M.

SK 3x3
Si 2x10
Si 3x10

Linkage

Open 2 mm hole

Open 3 mm hole

Adjust size of the hole for Servo-horn
Kit Bag 0.

SL 3 x 6

Air Filter

3.5x150 NYLON STRAP

134 mm NYLON STRAP

SECURE B0101, B0102, and B0151C by holding it together while tightening SL 3X6 screw.

Kit Bag N.

- OW2.6 x 6 x 0.5
- SN2.6 (Nyron nut)
- P3 O-Ring

Shock

Please refer to Setting Sheet when going to take part in Competition.

For both: Front and Rear Dampers.

Smaller hole: Front Damper Piston

Large hole: Rear Damper Piston
26 Shock

- Fill the shock with oil, then move the piston up and down to remove unwanted air bubbles.

- Screw-on Cap when finished.

27 Front Shock

- Attach the two front shocks as shown on the diagram. To install the shock springs, compress the spring, place it on the shock and hold it in place with the shock spring retainer C0528B.