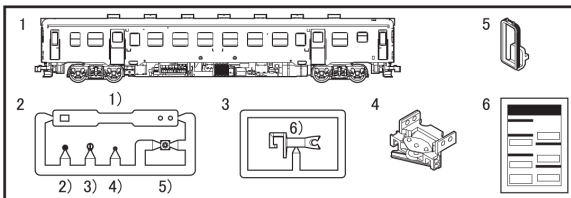


Thank you for purchasing this Rokuhan product. This product is a fine scale model. Handle with care to avoid damage. Please read this instruction manual carefully before operation and operate properly.

1. Caution

- Use only a Rokuhan controller to operate this product.
- Clean track (metal rails) before operation.
- Remove dirt and dust on wheels.
- Do not operate continuously over a long period of time.
- Do not suddenly change train direction. Stop train first then change direction.
- In the case of derailment or short circuit, turn off the power of controller, unplug the controller, and then eliminate the cause of problem.
- Disassembling and modification could cause failure of this product.
- Storing this product in direct sunlight or fluorescent light for long periods of time could cause change in color.
- Store and operate this product in dry dust free locations, away from sources of excessive heat.
- To avoid shock or electrocution, do not operate this product in a wet location or operate with wet hands.
- This product includes sharp parts. Handle with care.
- Handle tools with care.
- This product is not recommended for use by children under 8 years old unless supervised by an adult.

2. Parts list

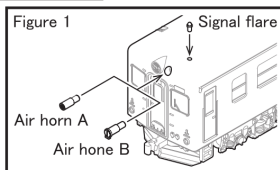


1. Kiha 52 - 100 1pc * The above figure is metropolitan color.
2. Bigger runner parts 2pcs
 - 1) Tool to assist in operating switch ... 2pcs
 - 2) Air horn A 2pcs
 - 3) Air horn B 2pcs
 - 4) Signal flare 2pcs
 - 5) Antenna for train radio..... 2pcs
3. Smaller runner parts 2pcs
 - 6) Arnold coupler (Rapido coupler) 2pcs
4. Snowplow for double track ... 2pcs
5. Diaphragm 2pcs
6. Instruction manual 1pc

3. How to assemble the accessory parts

3-1. Assemble the air horns and the signal flares

Cut off the horns and the signal flares with nippers and assemble it according to the figure 1. Choose air horn A or B. The opposite end can be done by same procedure.

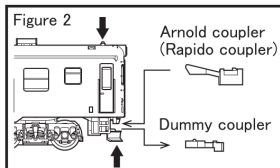


3-2. Replace the couplers

Dummy couplers are set as default. Change the couplers to connect more trains according to the figure 2.

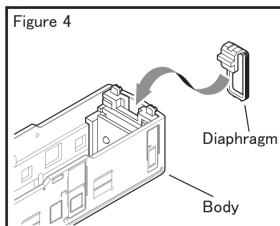
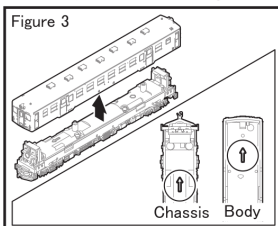
1. Put your fingers on the spots shown by arrows and fix Kiha 52-100 between your fingers. Pull out the coupler horizontally.
2. Cut off the Arnold couplers (Rapido couplers) with nippers. Insert it horizontally into Kiha 52-100.

- * Use Arnold couplers (Rapido couplers) to connect Kiha 52-100 to each other.
- * Be careful with the direction of couplers.



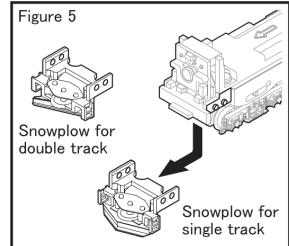
3-3. Install the diaphragm

Separate the body and chassis as the figure 3 and install the diaphragm.
* The arrows on the body and the chassis show which the heads are. Assemble the body and the chassis again according to the arrows.



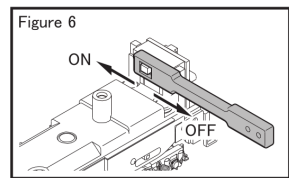
3-4. Change the snowplow

Separate the body and chassis according to the figure 3 under "3-3. Install the diaphragm". Change the snowplow for single track to the snowplow for double track.



3-5. Turn off the lights

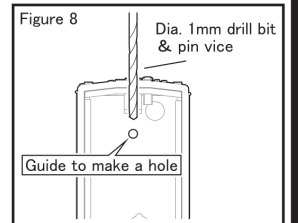
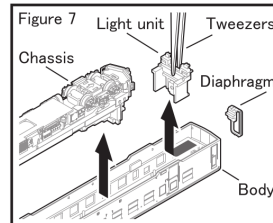
Separate the body and chassis according to the figure 3 under "3-3. Install the diaphragm". The head light and tail light are turned on and off by moving the switch as shown in the figure 6. "The room light" (sold separately) can be also turned on and off by the tool to assist in operating switch.
* The lights are on as default.



3-6. Assemble the antenna for train radio (for the experienced modelers only)

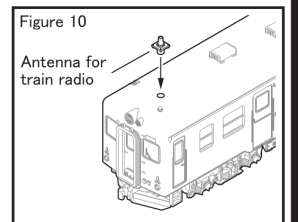
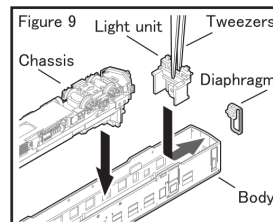
* The mounting operation as shown below is for the experienced modelers who understand model trains well. Handle the tools with care when you use it. The structure of the product should be appropriately understood and carefully worked. This operation requires Dia. 1mm drill bit, pin vice, and tweezers.

This product simulates Kiha 52-100 under JNR, thus does not have a hole for the antenna for train radio. Install the antenna according to the following instructions.



1. Remove chassis, diaphragm, and light unit from the body as the figure 7. The light unit may be damaged if it is removed vertically. Remove it according to the arrow.

2. There is a guide inside of the body to make a hole. Use Dia.1mm drill bit and pin vice and make a hole.
* Do not damage the signal flare which is already assembled.



3. Assemble all parts again with the opposite procedure of figure 7. Do not forget to reassemble the light unit.

4. Cut off the antenna for train radio and install it into the hole you made. If it is too loose, use glue sparingly.

3-7. Room light

A015 Room light type B can be installed in this product. Read the instruction manual for A015 Room light type B for more details.

4. Maintenance

The wheels and track may be dirty if Kiha52-100 does not run smoothly. Remove the dirt on the wheels and track with a clean cloth and rail cleaner.
* Do not put excessive pressure on the wheels when you clean them.

5. Trouble and repair

- The user is responsible for any trouble, accident, or injury caused by misuse, disassembling, or modification to this product. Rokuhan will not repair a product which has been opened, taken apart, or modified.
- Specification and appearance of our products are subject to change without prior notice.
- Contact Rokuhan customer service if you have any query.