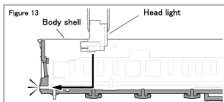
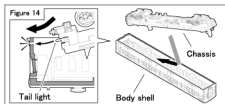


- ⑤ Set headlight in the body with tweezers gently to avoid damage to head light light pipe (See Figure 13).



- ⑥ Set chassis in body (See Figure 14). Replace chassis in the body shell gently at an angle preventing tail light pipe from being broken (See Figure 14).



ROKUHAN
JAPAN

T022-14 103 Setouchi Color Low Cab Type 4 Cars Set T022-15 103 SENSEKI LINE Color Low Cab Type 4 Cars Set

Common Instruction manual

* Side cutters, hobby knife, tweezers and pin vise (drill bit) are NOT included this product.

Thank you for purchasing this Rokuhan product.

This product is precision product. Please read this instruction manual carefully before operation and operate properly.

1. Caution

- Please be sure to 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 change train direction suddenly. Stop the train first, then change direction.
- In the case of derailment or short circuit, turn off the power at the controller immediately, unplug the controller, and then eliminate the cause of problem.
- Disassembling and modification work could cause failure of this product.
- Storing this product under sunlight or fluorescent light for long periods of time could cause fading of body colors.
- Store and operate this product at dry dust free place, keep away from dust, high temperature, humid places.
- To avoid shock or electrocution, do not operate this product in a wet condition or operate with wet hands.
- This product includes small and sharp edged parts. So, please handle with care.
- Please be careful not to cause injury when using tools.
- This product is not recommended for use by children under 15 years old unless supervised by an adult.
- Please make sure to insert cars in plastic bag to avoid any damage when you pack the cars into blister package in book case box.



6. Accessories (Sold separately)

Room light

Applicable model *All cars

This product and extension set (T022-2, T022-4 sold separately) can be equipped with (A009 room light type A sold separately) for each car.

For details, refer to the attached [A009 Room Light A type] instruction manual.

Please pay attention during removing クハ103 body shell.

* When removing the body of クハ103 (Kuha 103) and クモハ103 (Kumoha 103), refer to [3-2 Replace the coupler] and be careful not to damage the tail light.

DCC Decoder Room light

Applicable model *All cars

This product can be equipped with [A059 DCC Decoder Room light multi type] that can be mounted on various cars by cutting a part of the product. For details, please refer to the instruction manual attached to the product.

7. Trouble shooting

Check followings before ordering repair.

Problems	Cause	Correction
A train does not run smoothly, and lights flicker.	There is dirt on rails.	Remove the dirt with cleaner and cloth.
	There is dirt on wheels.	Remove the dirt with cleaner and wheels.
Trains do not run.	A Train derails.	Set the train properly on track using rerailer.

8. Trouble and repair

- The user is responsible for any trouble, accident, or injury caused by misuse, disassembling, or modification of this product by himself. Rokuhan has no responsibility to repair any product that has been opened, taken apart or modified.
- Specification and appearance of our products are subject to change without prior notice.
- We sell completed product only.
- Take contact Rokuhan customer service if you have any questions about this product.

ROKUHAN
JAPAN
TOYOTE CORPORATION

7-27, NUMAWADA, TOCHIGI-CITY.

328-0042, JAPAN

TEL : 81-282-20-2365

URL : <http://www.rokuhan.com/>

Opening hour: 10:00 - 12:00, 13:00-17:00

(except Saturday, Sunday, and holidays)

2. Parts list

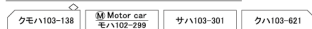
Cars

①103 Type Cars... 4 cars Please set up cars based on the formation below.

T022-14 103 Setouchi Color Low Cab Type 4 Cars Set



T022-15 103 SENSEKI LINE Color Low Cab Type 4 Cars Set



Common Accessories

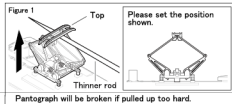


3. Caution to handle train

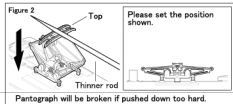
3-1 How to set pantograph height

Applicable model クモハ103

① Lift-up top parts softly with tooth pick or thinner rod until stop (See Figure 1).



② Push down top parts slowly with tooth pick or thinner rod until stop (See Figure 2).



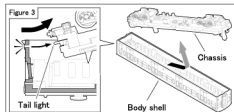
3-2 Replace the couplers

Applicable model ・クハ103, クモハ103

Dummy bumper is set as default. Change the bumper as below if you want to connect front car with other car.

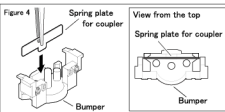
① Remove body shell from chassis (See Figure 3).

Remove chassis gently at an angle to prevent tail light, light pipe being broken. Lift chassis gently just high enough to pull it out of body shell (See Figure 3).

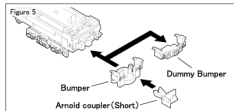


② Set spring plate for coupler on bumper by tweezers.

※ Please pay attention not to lose because the spring plate for coupler is transparent.



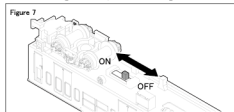
③ Pull out dummy bumper from chassis horizontally, replace bumper, then set on arnold coupler (short) (See Figure 5).



3-3 Tail light "On"-"Off"

Applicable model ・クハ103, クモハ103

When connecting front cars, switch off the light at the bottom.



4. How to set parts

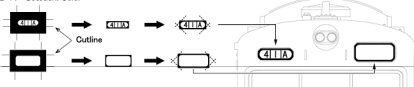
4-1 How to apply label

Applicable model ・クハ103, クモハ103

Select your favorite label, cut it along the line, and apply it by tweezers (See Figure 8).

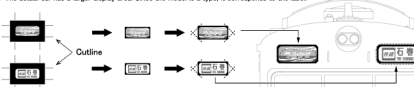
Figure 8 We recommend to use of a ruler and hobby knife to cut sharp lines by tracing the cut line.

T022-14 Setouchi Color



T022-15 SENSEKI LINE Color

※ The actual car has a larger display area. Since the model is a type, it corresponds to the label.



※ You can apply them more correctly if you cut each corner as shown above in (Figure 8).

4-2 How to install wireless antenna (Recommended for advanced modeler)

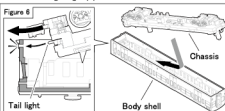
This process is for expert user who understand this model well. Please be careful to handle tools to avoid injury and work carefully. Also, DIA 1.0 mm drill and tweezers are necessary to set small antenna.

This product has no hole in body shell for wireless antenna.

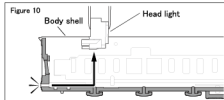
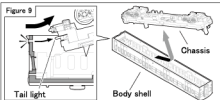
If you like to set antenna for your preference, please follow the instruction below.

Applicable model ・クハ103, クモハ103

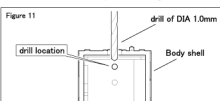
① Remove chassis gently at an angle preventing tail light pipe from being broken. Lift chassis gently just high enough to pull it out of body shell (See Figure 9).



② Remove head light on/off switch from the body with tweezers (See Figure 10). Remove it gently with an angle to prevent head light pipe from being broken.



③ Remove Chassis and head light being careful not to damage light pipes for tail light and head light (See Figures 9 & 10 above to drill hole in body shell (See Figure 11).)



④ Cut out the antenna from the runner. Put antenna into the hole. If it's loose, put a little cement inside car.

