

7. Lighting accessories (sold separately)

7-1 Lighting accessories <Able to install in all cars.>

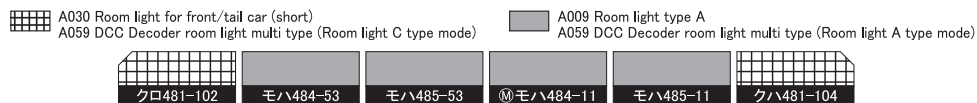
This lighting accessories can use in all cars. <Either A009 or A030 can be used.> Please read each instruction manual included with each lighting parts.

7-2 DCC Decoder <A059 able to install in all cars>

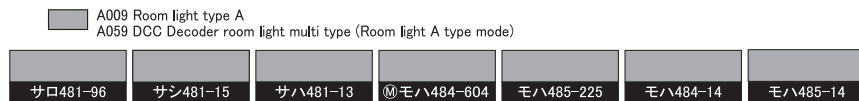
Trim a part of DCC decoder to fit, trim with nippers to install in every type of car with A059, DCC DECODER MULTIPUL TYPE. (See figure 15) Please read included instruction manual of A059 for more information.

Figure15

T030-1 JNR 485 LIMITED EXPRESS "HIBARI" JNR COLOR 6 CARS BASIC SET

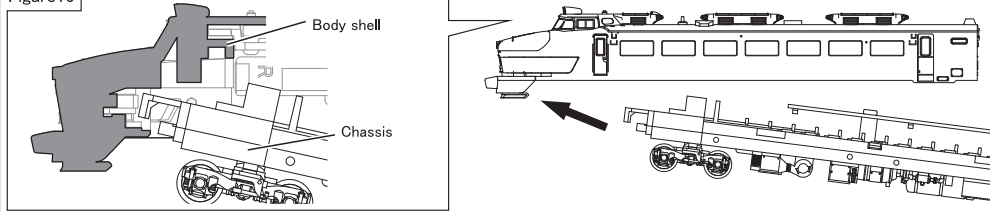


T030-2 JNR 485 LIMITED EXPRESS "HIBARI" JNR COLOR 7 CARS EXTENSION SET



- * Please open car as shown when installing room light or decoder. (See figure16) <クハ481, クロ481>
- * After installing room light, or decoder, turn chassis upside down to install in body as shown.

Figure16



8. Trouble shooting

* Check followings before ordering repair.

Problem	Cause	Correction
A train does not run smoothly, or 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 cloth.
Trains do not run.	A train derails.	Set the train properly on track using reailer.

9. 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 will not have any responsibility of repair a product which 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.



7-27, NUMAWADA, TOCHIGI-CITY,
328-0042, JAPAN.
TEL : 81-282-20-2365
URL : <http://www.rokuhan.com/english/>

Opening hour: 10:00 - 12:00, 13:00-17:00
(except Saturday, Sunday, and holidays)

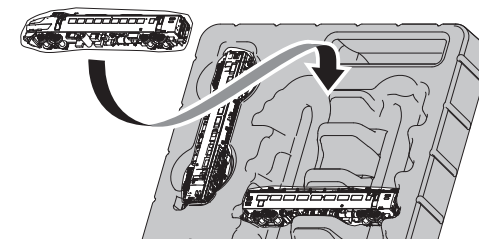


T030-1 JNR 485 LIMITED EXPRESS "HIBARI" JNR COLOR 6 CARS BASIC SET T030-2 JNR 485 LIMITED EXPRESS "HIBARI" JNR COLOR 7 CARS EXTENSION SET Common Instruction Manual

Thank you for purchasing this Rokuhan product. This is precision product.
Please read this instruction manual carefully before operation and operate properly.

1. Caution

- Please operate this model with a Rokuhan controller.
- Keep clean track surface (Metal rails) before operation.
- Remove dirt and dust from wheels.
- Do NOT operate continuously over a long time.
- Do NOT suddenly change train direction. Stop train first then, change direction.
- In case of derailment or short circuit, turn off the controller and unplug AC adapter, then eliminate cause of problem.
- Disassembling and modify (modification) could cause damage to this product.
- Storing this product in direct sunlight or fluorescent light for a long time could cause discoloration.
- Keep this product away humidity, dust and heating devices.
- Do NOT operate this product in wet place or touch with wet hands.
- To avoid injury with sharp parts. Please handle with care.
- To avoid injury by using tools. Please handle with care.
- This product is NOT recommended that children under 15 years old use unless supervised by an adult.
- Keep train cars in Poly bag to avoid damage after using.



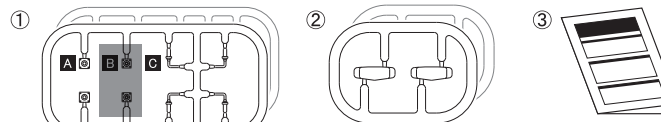
2. Parts list

T030-1 JNR 485 LIMITED EXPRESS "HIBARI" JNR COLOR 6 CARS BASIC SET

Cars



Accessories

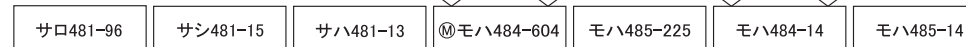


* Use Antenna A and C only.

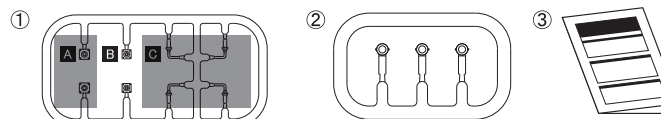
- ① Runner A 2 plates
Antenna A 4 pcs (Usage x 2, Spare x 2)
Antenna C ... 8 pcs (Usage x 4, Spare x 4)
- ② Runner B 2 plates
2 kinds Head mark (total 4 pcs)
- ③ Instruction manual
English 1 sheet
Japanese 1 sheet

T030-2 JNR 485 LIMITED EXPRESS "HIBARI" JNR COLOR 7 CARS EXTENSION SET

Cars



Accessories



* Use Antenna B only.

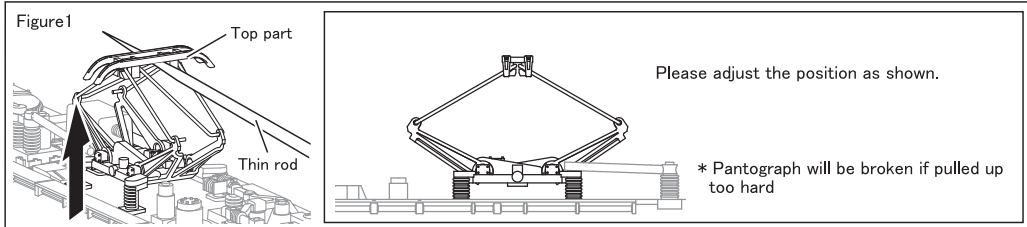
- ① Runner A 1 plate
Antenna B 2 pcs (Usage x 1, Spare x 1)
- ② Head light for サン481-13 3 pcs
(Usage x 2, Spare x 1)
- ③ Instruction manual
English 1 sheet
Japanese 1 sheet

3. How to handle accessories

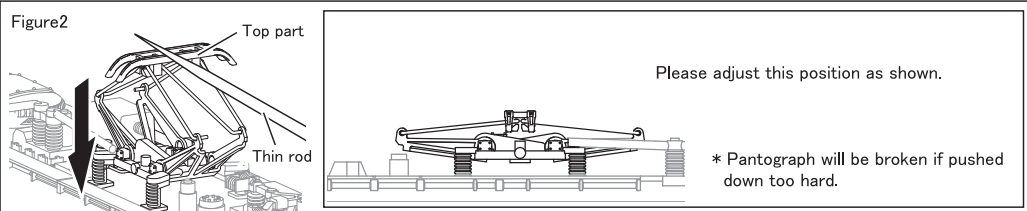
3-1 Pantograph

Related cars : モハ 484-53, モハ 484-11, モハ 484-604, モハ 484-14

① Lift-up top part softly by thinner rod or needle until stop. (See Figure1)



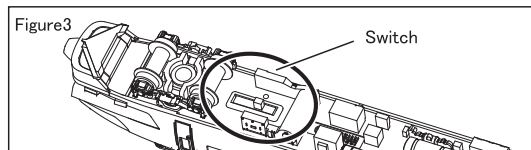
② Push down top part slowly with thin rod or needle until stop. (See Figure 2)



3-2 Switch off head/tail lights

Related cars : クハ 481-104 クロ 481-102

Please check the bottom chassis to move the slide switch to the off position. (See figure3)

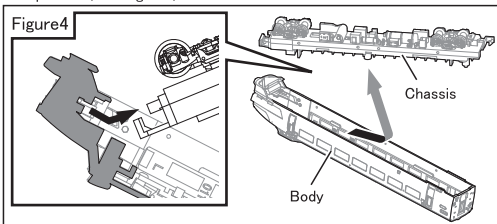


3-3 How to change Head mark

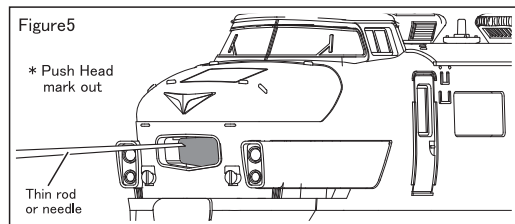
Related cars : クハ 481-104 クロ 481-102

Please cut out the Head mark from Runner B.

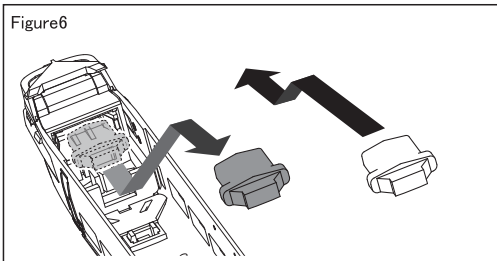
① Turn upside down and remove chassis from body shell to diagonally upward. (See Figure4)



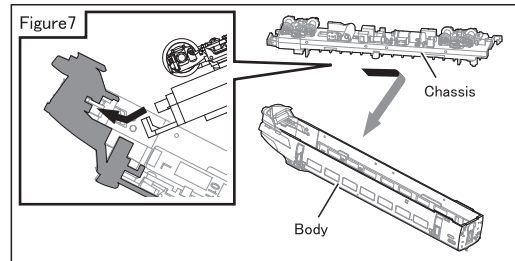
② Push head mark inside by rod or needle from outside. (See Figure5)



③ Take out original headmark by tweezers or suitable tools. Set new headmark in reverse order and push in until seated. (See Figure6)



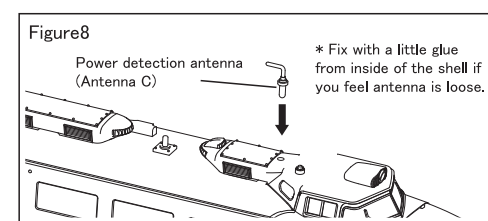
④ Set chassis into body shell in reverse order. (See Figure7)



4. How to set parts

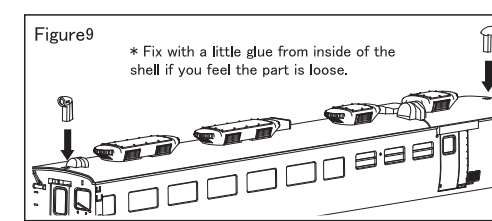
4-1 Set Antenna C on T030-1 <クハ481 and クロ481>

Please set Antenna C into the hole. (See Figure8)



4-2 Set Head light part on T030-2 <サシ 481>

Please set Head light part into the hole. (See figure 9).



5. How to install antenna

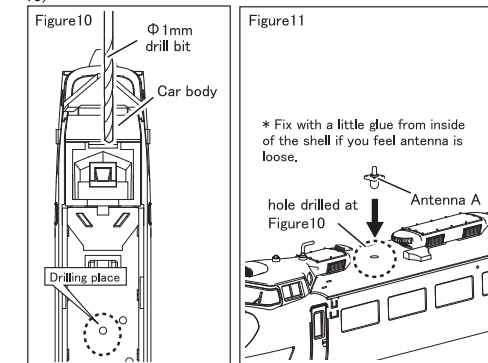
This process is for expert users who understand this model well. Please be careful to handle tools to avoid injury and work carefully. Also, DIA 1.0mm drill and tweezers are necessary to set small antenna.

This product has no hole for wireless or telephone antenna. If you like to set antenna for your preference, please follow this instruction as below.

Related cars : クハ481-104 サロ481-96

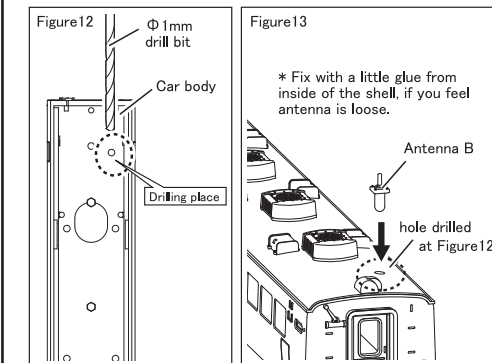
5-1 Set Antenna A on T030-1 <クハ481>

① Take off chassis from body shell of クハ481. Turn over body shell and watch inside. Please find the hole mark, little step down, and make DIA1.0mm hole by drill blade. (See figure 10)
② Set antenna A part into the hole. (See figure 11)



5-2 Set Antenna B on T030-2 <サロ481>

① Take out chassis from body shell of サロ481. Turn over body shell and look inside. Please find the hole mark, a little indent, and drill DIA1.0mm hole in body. (See figure 12)
② Set antenna B part into the hole. (See figure 13)



6. Formation

Please set "HIBARI" full organization 13 cars by T030-1 and T030-2. (See Figure 14)

