TOMYTEC

CONVERSION FOR RIGHT HAND OPERATION

Roads included in Bus Running System Basic Sets follow the standard Japanese practice of driving on the left side. When converting sections for right hand running install them so that any markings face the opposite direction.

(Please see accompanying diagrams for additional help)

1. **Replacement of Power Unit Magnet for Right Hand Running**
   See "I Recomposition of Power unit magnet" on page 1 of the accompanying diagram.

   Remove the front unit as shown; press inward to release the catch, and lift the assembly off the chassis.
   Carefully remove the magnet with a tweezers or small pliers.
   Insert a new magnet as shown – the south pole faces downward.
   Use the test magnet to confirm the polarity is correct and that the magnets attract.

2. **Reversing Bus Stop Magnet Holder for Right Hand Running**
   See "II Processing of Bus stop magnet holder" on page 1 of the accompanying diagram. Figure 1 and figure 2 in the text below are Fig.1 and Fig.2 on the diagram.

   Unscrew the lower portion and remove the red holder.
   As shown in figure 1, carefully remove the magnet assembly, turn it 180 degrees and install as shown in figure 2.
   Carefully push the magnet out of the holder using the access point as shown.
   Reverse the magnet as shown so its south pole faces upward.
   Use the test magnet to confirm the polarity is correct and that the magnets attract.

3. **Reversing Road & Bus Stop Magnets for Right Hand Running**
   See "Modification for right side running" on top of Page 2 of the accompanying diagram, covering "III Recomposition of Road magnet and Bus stop magnet." There are two sets of sketches 1-3, one group for each particular holder.

   Carefully push the magnet out of the holder using the access point as shown.
   Reverse the magnet as shown so its north pole faces upward
   Use the test magnet to confirm the polarity is correct and that the magnets attract.

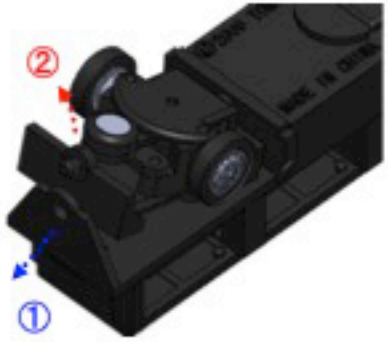
4. **Replacing Road Wire for Right Hand Running**
   See "IV Restringing of Road wire" on Page 2 of the accompanying diagram. The text below talks of the "illustrations on right" that are labeled as Fig.1 and Fig.2 on the accompanying diagram.

   The illustrations at right show the correct placement of conversion wires as seen from below and from above when complete.
   Remove the red wire from the center of the road section as shown in figure 1.
   Conversion for right hand running requires two pieces of .055" diameter wire shown by the blue lines in figure 2. Bend the first (longer) section and install as shown; this matches the wiring used in the approach road of the basic set.
   Add the second (shorter) wire as shown – this is the control wire for the Bus Stop Unit.

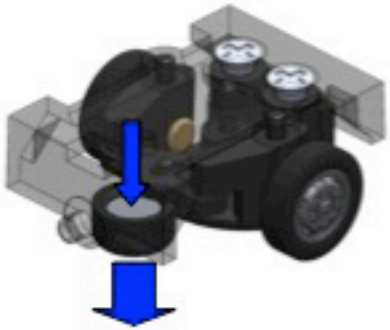
Modification for right side running

Ⅰ Recomposition of Power unit magnet.
Ⅱ Processing of Bus stop magnet holder.
Ⅲ Recomposition of Road magnet and Bus stop magnet.
Ⅳ Restringing of Road wire.

Ⅰ Re-composition of Power unit magnet.



Remove a front unit according to the order, ① to ②.

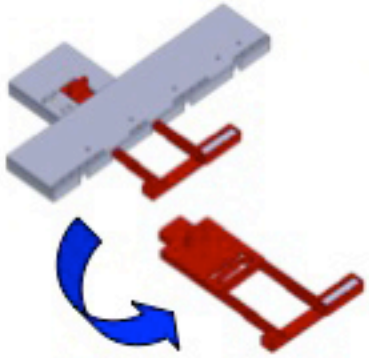


Remove a magnet, using pincette or pliers. (Be careful of breakage.)

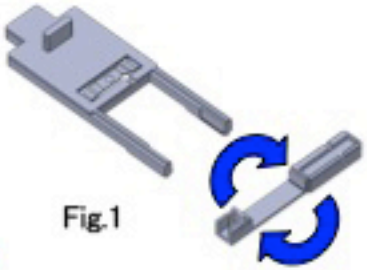
Turn over a magnet and insert it in the holder.

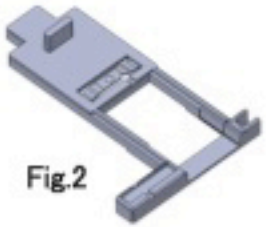
Confirm by a magnet that a magnet faces the south pale.

Ⅱ Processing of Bus stop magnet holder.



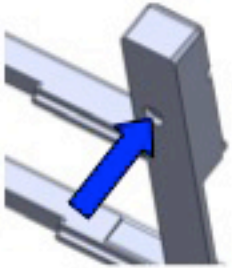
Unscrew the lower part and remove a red color holder.





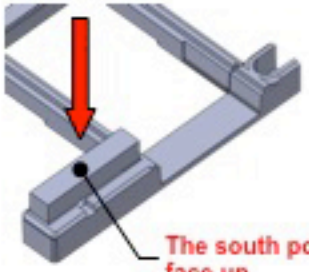
As shown in Fig.1, detach a magnet part and put it reveres as Fig.2.

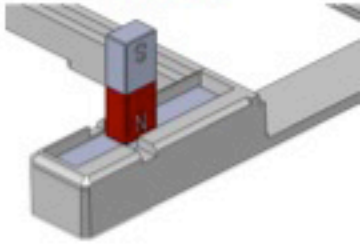
(Arrange a little difference in level occurred.)



Likewise power unit, shift a magnet polarity. (Be careful of breakage.)

Take out a magnet from a bottom hole, like pushing it out.

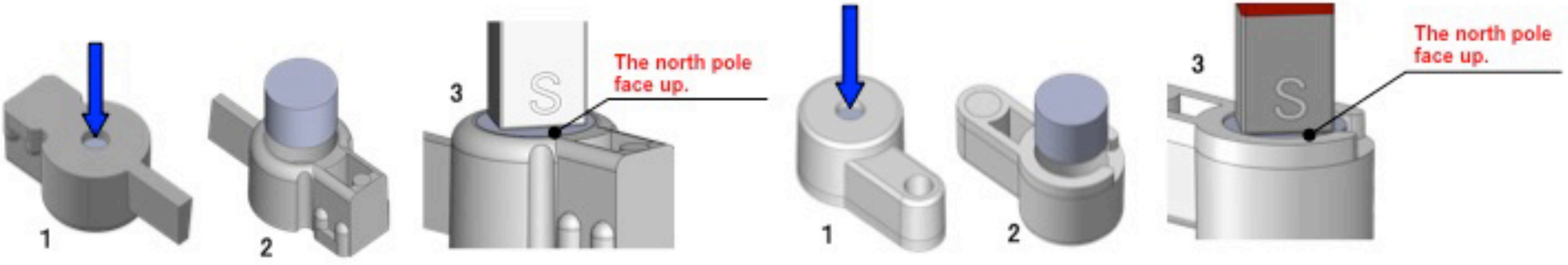




Modification for right side running

Ⅰ Recomposition of Power unit magnet.
Ⅱ Processing of Bus stop magnet holder.
Ⅲ **Recomposition of Road magnet and Bus stop magnet.**
Ⅳ **Restringing of Road wire.**

Ⅲ Re-composition of Road magnet and Bus stop magnet.



<Common work>

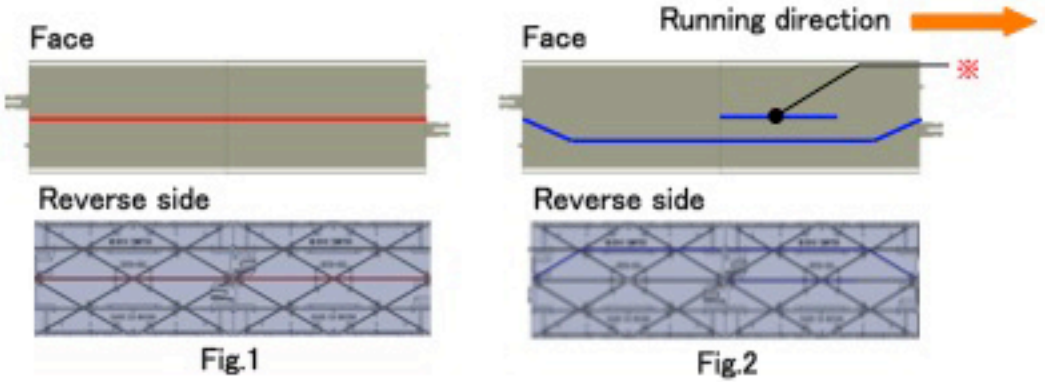
1.Push out a magnet from a bottom. (Using a thickish pin.) 2.After taking the magnet out, reverse it. 3.Using inspection magnet, make a north pole face up.

Ⅳ Restringing of Road wire.

For modification work, use a following product.

Approach roads included in the Bus Running system Basic Set such as <231851>, are based on Japanese traffic of left running and their surface marking becomes opposite, when using these roads.

<231899> S-001 Road Parts S70-RO (set of 6pcs.)



As shown in the Fig.1, a string is stretched only at the center of the road. Remove it. Then stretch a wire like the blue line of Fig.2., which form is the same with an approach road of the basic set.
Be sure to install a wire at [※] part as well, which works as control wire of the bus stop unit.

Remarks : Use a wire of φ0.55.