

BUILD INSTRUCTIONS

MAGLEV RAIL STARTER

Straight and curved MagLev rails on removable feet, a rail car, and a switch track with a reversible switch control.

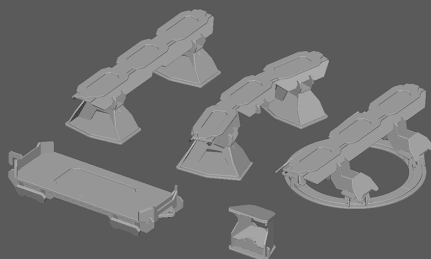
USE FOR MagLev Rail Starter (Neutral, Abandoned)

SERIES

2

STEPS

23



BEFORE YOU START

- White PVA craft glue. We use Aleene's Turbo Tacky: the bottle for big jobs, a glue pen for fine beads.
- Small clamps to hold pieces while they dry.
- Precision tweezers or a pointed tool for punching out small pieces and slots.

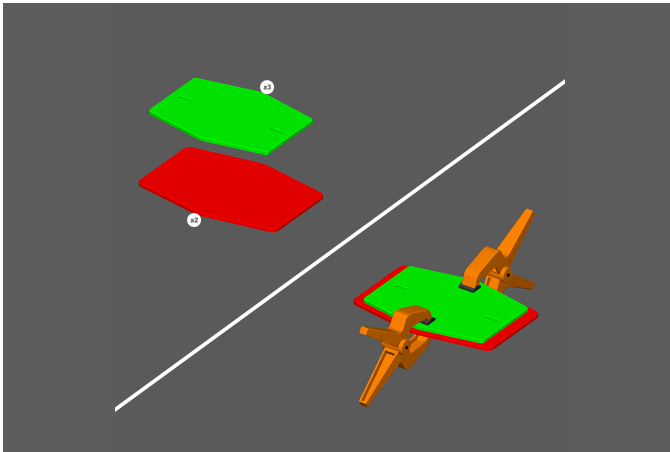
TIPS & TRICKS

- The **front** of a sheet is the side the die cut went into; it has the rolled edges. The **back** is flat.
- Pieces punch out most easily when pushed from the back.
- Fold every score fully so its edge is crisp and straight. It's cardboard, so it sometimes needs a little help.
- Be a *little* generous with glue. It wipes up with a dry or slightly damp paper towel and dries clear.
- Glue marks and their targets always match in shape and size.

FEET

1

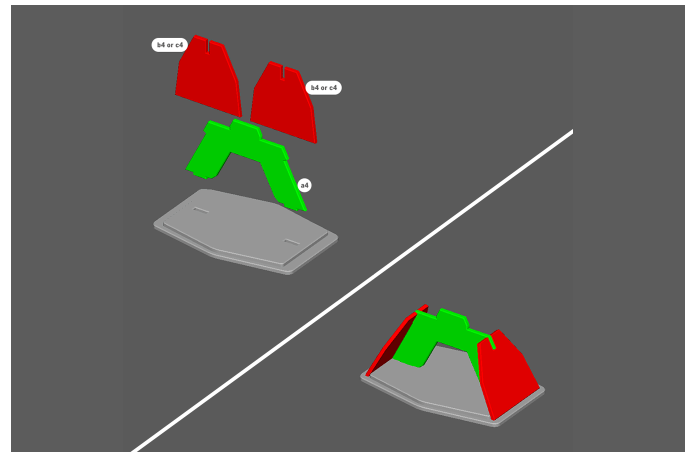
STEP 1 OF 23 FOOT BASE



1. Glue and clamp **a2** and **a3** as shown to create a foot base.

2

STEP 2 OF 23 FOOT ASSEMBLY



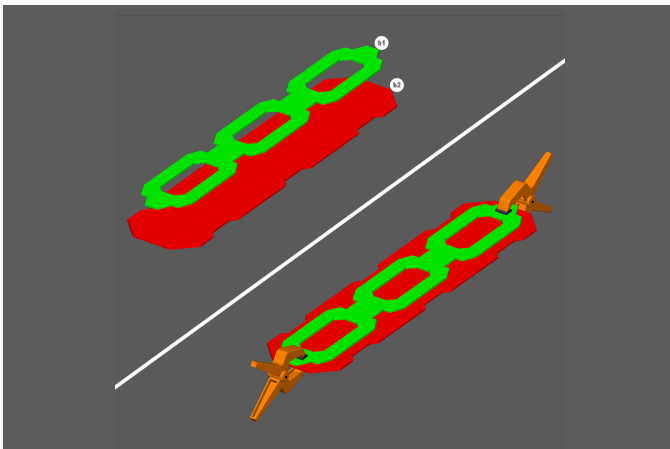
1. Glue **a4** and two of either **b4** or **c4** pieces to the foot base as shown to complete a foot assembly.

NOTE Repeat steps 1 and 2 for all of the feet in the set. The parts **b4** and **c4** are interchangeable.

STRAIGHT RAILS

3

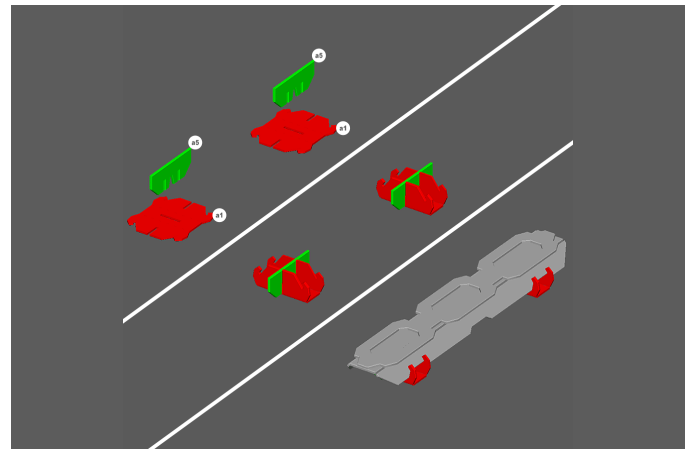
STEP 3 OF 23 STRAIGHT RAIL TOP ASSEMBLY



1. Glue and clamp **b1** and **b2** as shown to create a straight rail top assembly.

4

STEP 4 OF 23 SUPPORT ASSEMBLIES

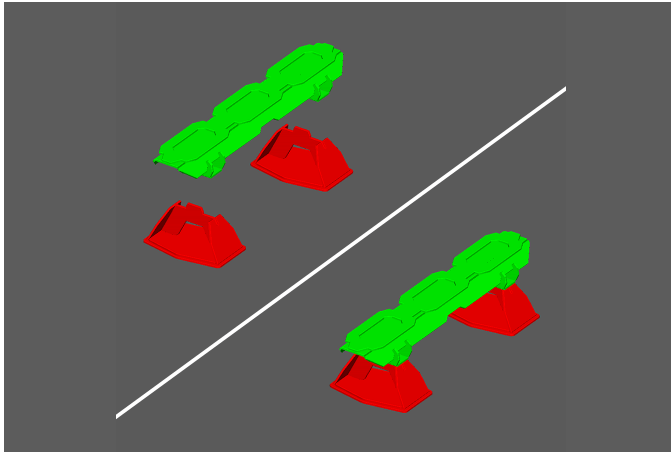


1. Glue pieces **a1** and **a5** as shown to create support assemblies.
2. Glue both support assemblies onto the straight rail top assemblies as shown to complete a straight rail piece.

5

STEP 5 OF 23

FEET ONTO STRAIGHT RAIL



1. Insert tabs on the foot assembly into the slots on the bottom side of the straight rail as shown.

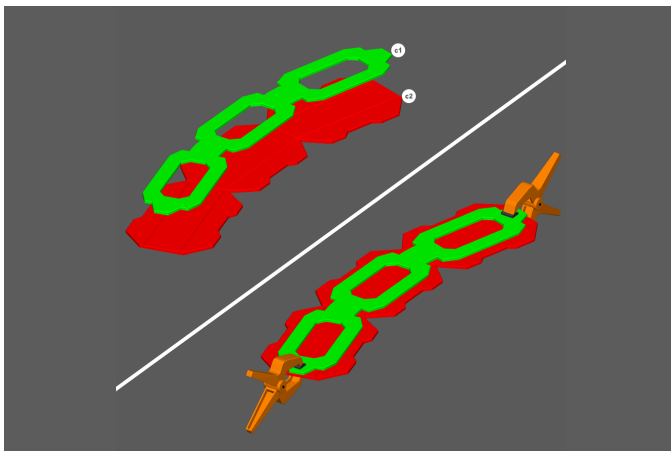
NOTE Do not use glue, as these pieces are meant to be removable for storage. Repeat steps 3–5 for all of the straight rails in the set.

CURVED RAILS

6

STEP 6 OF 23

CURVED RAIL TOP ASSEMBLY

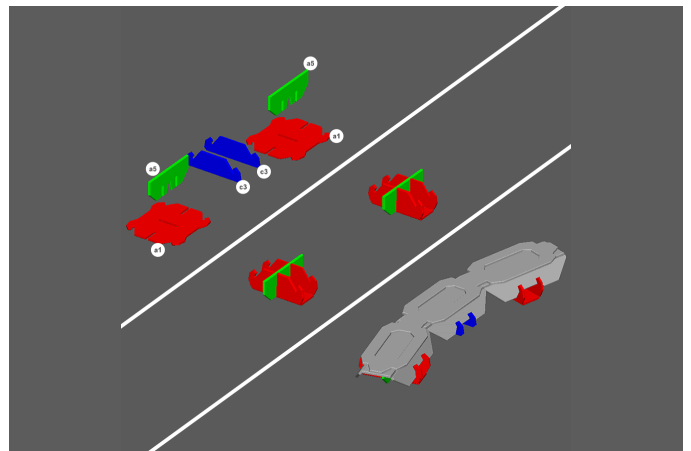


1. Glue and clamp **c1** and **c2** as shown to create a curved rail top assembly.

7

STEP 7 OF 23

SUPPORT ASSEMBLIES

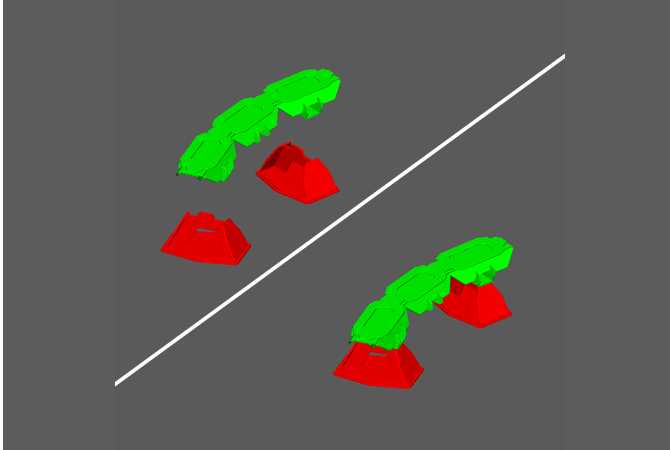


1. Glue and assemble pieces **a1** and **a5** as shown to create support assemblies.
2. Glue both support assemblies onto the curved rail top assemblies as shown.
3. Glue and assemble pieces **c3** as shown to complete a curved rail piece.

8

STEP 8 OF 23

FEET ONTO CURVED RAIL



1. Insert tabs on the foot assembly into the slots on the bottom side of the curved rail as shown.

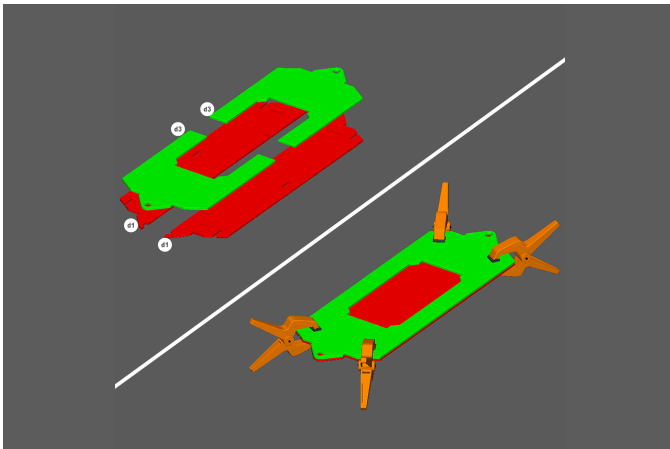
NOTE Do not use glue, as these pieces are meant to be removable for storage. Repeat steps 6–8 for all of the curved rails in the set.

RAIL CAR

9

STEP 9 OF 23

BED

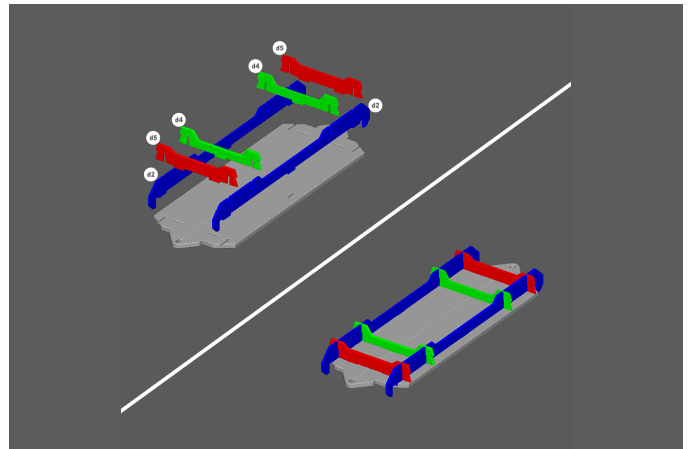


1. Glue and clamp both **d1** and both **d3** pieces as shown.

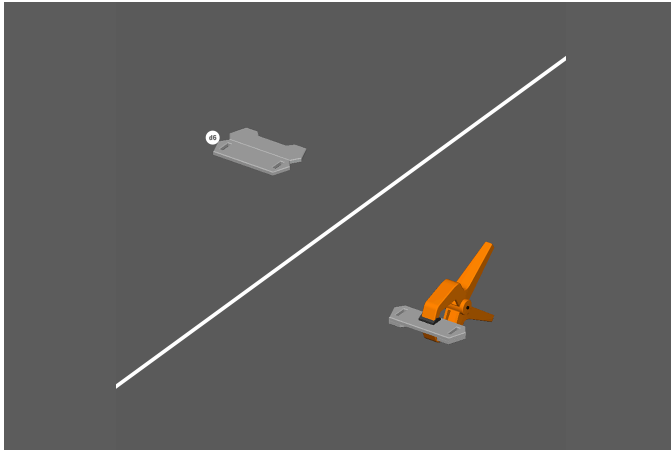
10

STEP 10 OF 23

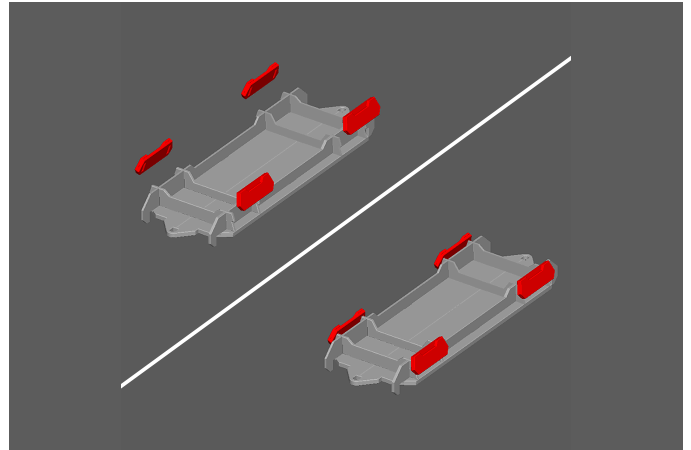
RAIL CAR BED ASSEMBLY



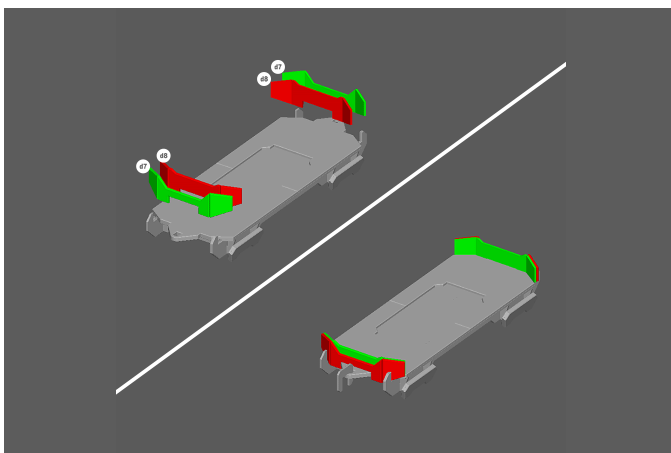
1. Glue both **d2** pieces to the bed assembly as shown.
2. Then glue both **d4** and both **d5** pieces to the bed assembly as shown to create the rail car bed assembly.

11**STEP 11 OF 23**
MAGLEV ASSEMBLY

1. Glue and clamp **d6** as shown to create a maglev assembly.
2. Repeat 3 more times.

12**STEP 12 OF 23**
MAGLEVS ONTO BED

1. Glue the four maglev assemblies to the rail car bed assembly as shown.

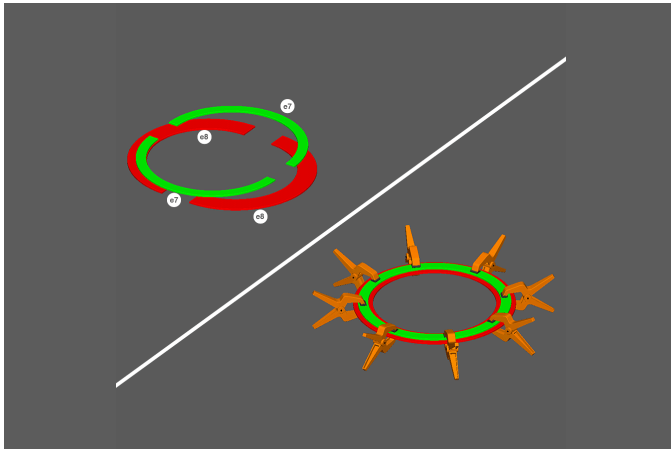
13**STEP 13 OF 23**
MAGLEV RAIL CAR

1. Glue both pieces **d7** to both pieces **d8** and glue onto the rail car bed assembly as shown to complete the MagLev Rail Car.

SWITCH TRACK

14

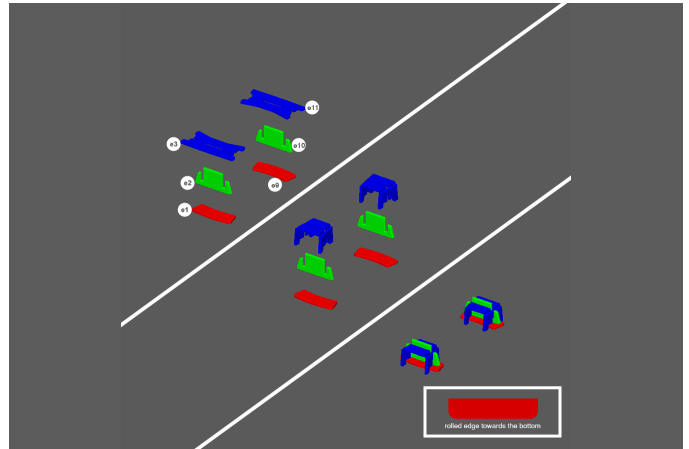
STEP 14 OF 23
SWITCH TRACK



1. Glue and clamp both **e7** and both **e8** pieces as shown to create the switch track.

15

STEP 15 OF 23
MAGLEV ASSEMBLIES



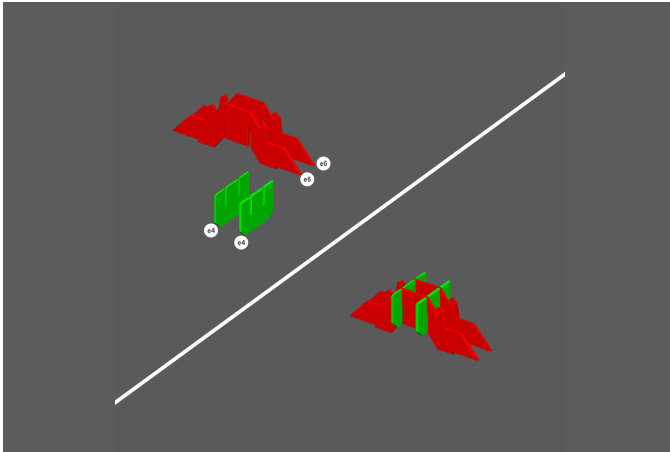
1. Glue and assemble pieces **e1**, **e2**, and **e3** as shown to create one of the maglev assemblies.
2. Glue and assemble pieces **e9**, **e10**, and **e11** as shown to create the other maglev assembly.

NOTE Make sure that pieces **e1** / **e9** and **e3** / **e11** match curve directions. The rolled edge of pieces **e1** / **e9** should be facing down when assembled. See the image inset for a rolled edge example.

16

STEP 16 OF 23

SUPPORT SUB-ASSEMBLY

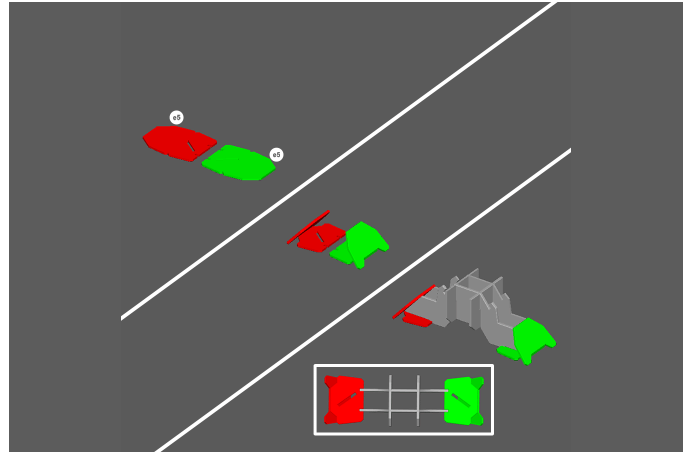


1. Glue and assemble both **e4** and both **e5** pieces as shown to make a support sub-assembly.
2. Repeat one more time.

17

STEP 17 OF 23

SUPPORT ASSEMBLIES



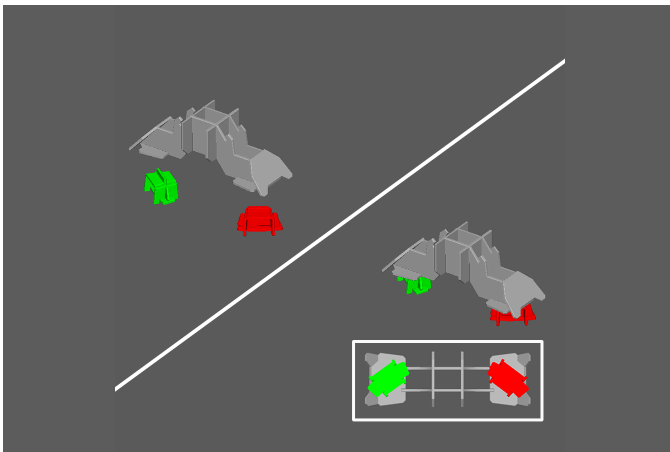
1. Glue both **e5** pieces to the support sub-assemblies as shown.
2. Repeat one more time to create the support assemblies.

NOTE When finished, the slots on the bottom of pieces **e5** should face in different directions, as shown in the image inset.

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STEP 18 OF 23

MAGLEVS ONTO SUPPORTS



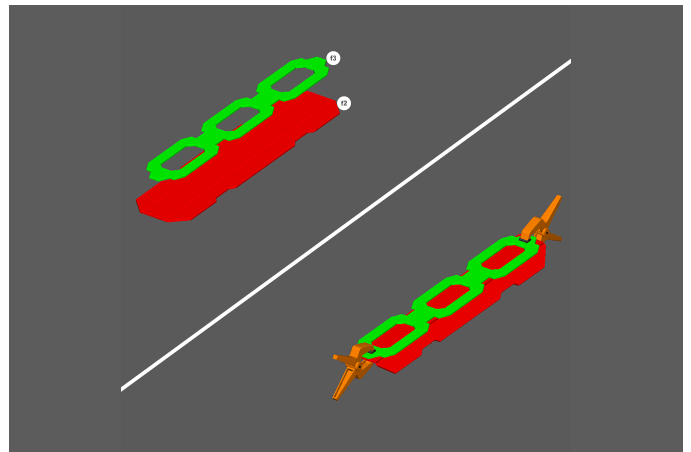
1. Glue both maglev assemblies to the support assemblies as shown.

NOTE When finished, the curve of the maglev assemblies should be oriented as shown in the image inset to fit the curve of the switch track.

19

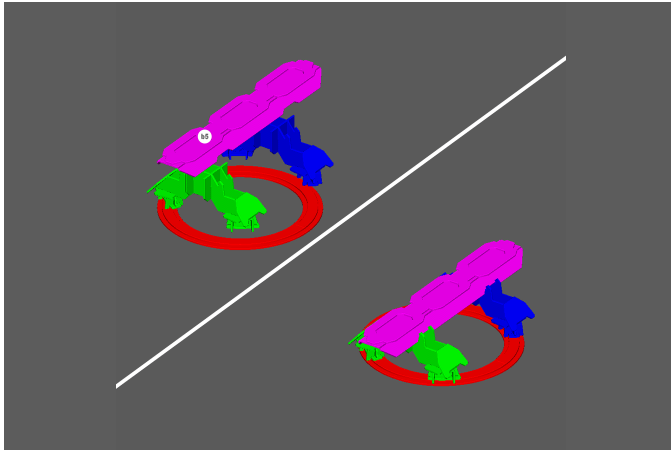
STEP 19 OF 23

SWITCH RAIL



1. Glue and clamp **f2** and **f3** as shown to create the switch rail.

20

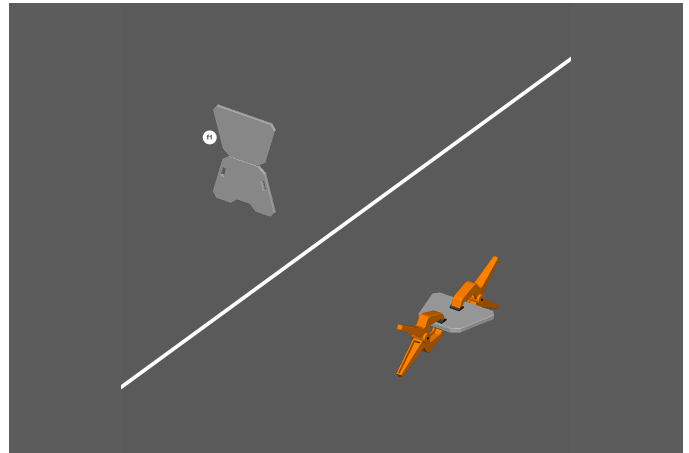
STEP 20 OF 23
ASSEMBLE SWITCH

1. Assemble pieces as shown.

NOTE Do not glue these pieces.

21

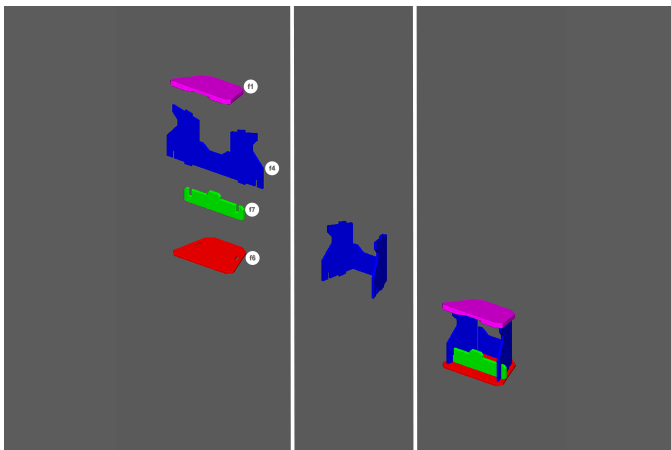
STEP 21 OF 23



1. Glue and clamp piece **f1** as shown.

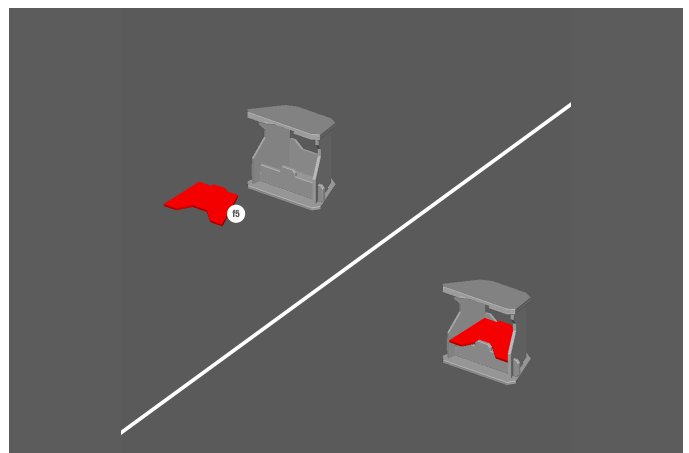
22

STEP 22 OF 23



1. Fold and glue piece **f4** to piece **f7**.
2. Glue and assemble with pieces **f1** and **f6** as shown.

23

STEP 23 OF 23
SWITCH CONTROL

1. Piece **f5** sits into place to create the switch control.

NOTE Do not glue. This part is reversible and can be used as an in-game mechanic.

YOU'VE FINISHED MAGLEV RAIL STARTER

More TinkerTurf guides: shop.tinkerhousegames.com/tinkerturf/assembly

Missing or damaged piece? Email contact@tinkerhousegames.com with your kit name.



GUIDE ONLINE