

## Inventive Models

### Die-Cast HO E Coupler Assembly Instruction

This HO scale model railroad coupler is die-cast from an Eco-friendly zinc alloy, free of lead and cadmium.

Required tools and materials:

- Super glue
- Pointed tweezers (non-magnetic if available)
- Assembly jig(optional)

*General note: These instructions assume you have the optional jig. The jig will make it easier to assemble but it is not necessary.*

- **STEP 1**

Clean any flash and burrs from all parts, especially in areas that will interfere with knuckle rotation.

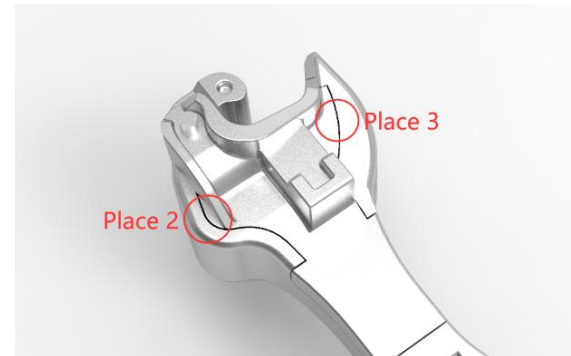
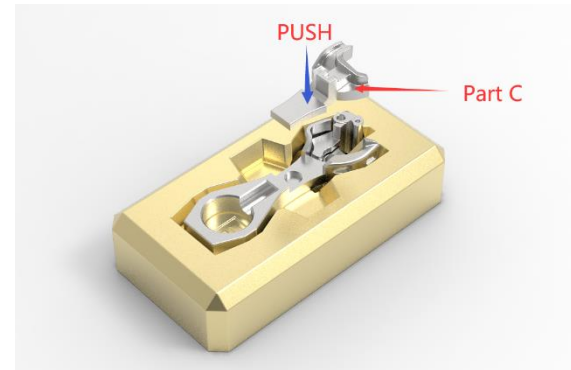
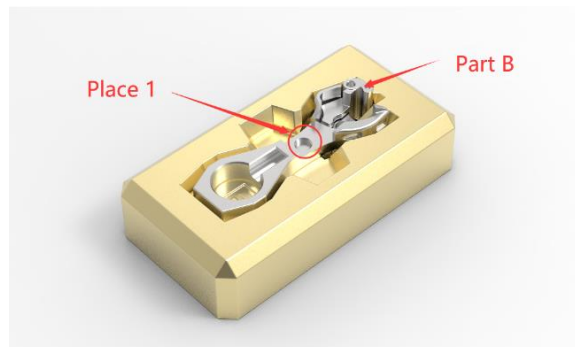
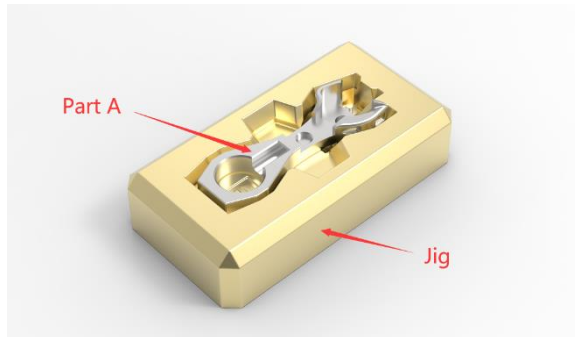
- **STEP 2**

Put the Part A (upper Part) into the jig(optional).

Use pointed tweezers to pick up a steel ball and put it into the center hole of Part A.

- **STEP 3**

Use pointed tweezers to pick up the Part B (knuckle) and put it in the correct place on Part A as shown in the diagram.



- **STEP 4**

Apply a drop of super glue in the Place 1.

- **STEP 5**

Use pointed tweezers to pick up the Part C (lower part) and snap it on Part A and B. You need to press hard on Part C so that it fits well with Part A.

- **STEP 6**

Apply a little super glue to Place 2 and 3. This step is very necessary. Otherwise, you'll end up with a coupler with less reliable bonding.

- **STEP 7**

Take the assembled coupler out of the jig(optional).

Assembly finished. Check the coupler to see if it is assembled correctly. With Part A down, the knuckle should rotate freely. When you turn the coupler over and have Part A up, the knuckle should be locked in place.

If you are sure the assembly is correct, but the knuckle turns jerky (but not visibly stuck), it is likely that Parts A and C are pressed together too tightly or affected by a slight burr. With Part A down, use another coupler to open and close the knuckle repeatedly. This will resolve the issue in most cases.

At this point you can paint the coupler your favorite color and install.