

## FR4 – Chopper v1.1

These etches provide alternative methods for constructing a 1:148 scale model of a Raleigh Chopper. There are four different types of etches, two for the Mk1 (1969 – 1972) and two for the Mk2 (1972 – 1980). For each type there is an easy two piece version and a more difficult three piece version. The two piece version is less detailed but significantly simpler to assemble. These instructions cover all four types.

For beginners, general instructions on building these kits can be found in a separate document. For experts, or if you don't like reading instructions and just want to know the suggested order, you can simply **follow the text in bold** and dip into the detail where necessary.

There are **no half-etched fold lines**, but several pieces are designed to be bent or twisted to shape.

### Building the kit

The etch contains two pieces, one for the main bike and one containing saddles, rear seat stay and cross bars. Each etch contains sufficient parts for two bikes.

1. Remove both pieces from the fret. Note that the piece projecting downwards from the rear wheel should remain as a locating pin.

2. Hold the seat assembly in a pair of tweezers, gripping it just above the top of the seats. Using a pair of pliers **bend the seats 90 degrees**.

3. Apply some solder cream to the inside faces of the seats. Place these around the seat on the main etch. Take time to ensure that both seats are aligned, then **solder the seats in position**.

4. The cross bars should now align with the bottom of the gearbox. Apply some solder cream and **solder the crossbars in place**.

5. **Solder the rear seat stays** where they touch the hub. On the Mk1 they should be central with the hub. On the Mk2 they should be to the front of the hub (these were actually curved to the centre of the hub but this is not represented on this version of the etch).

6. **Twist the handlebars and form them to shape**.

7. Decide which side will be visible and **bend the pedal to that side and twist it to shape**.



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Change History

V1.1 – Simplified 2 piece etch initial release