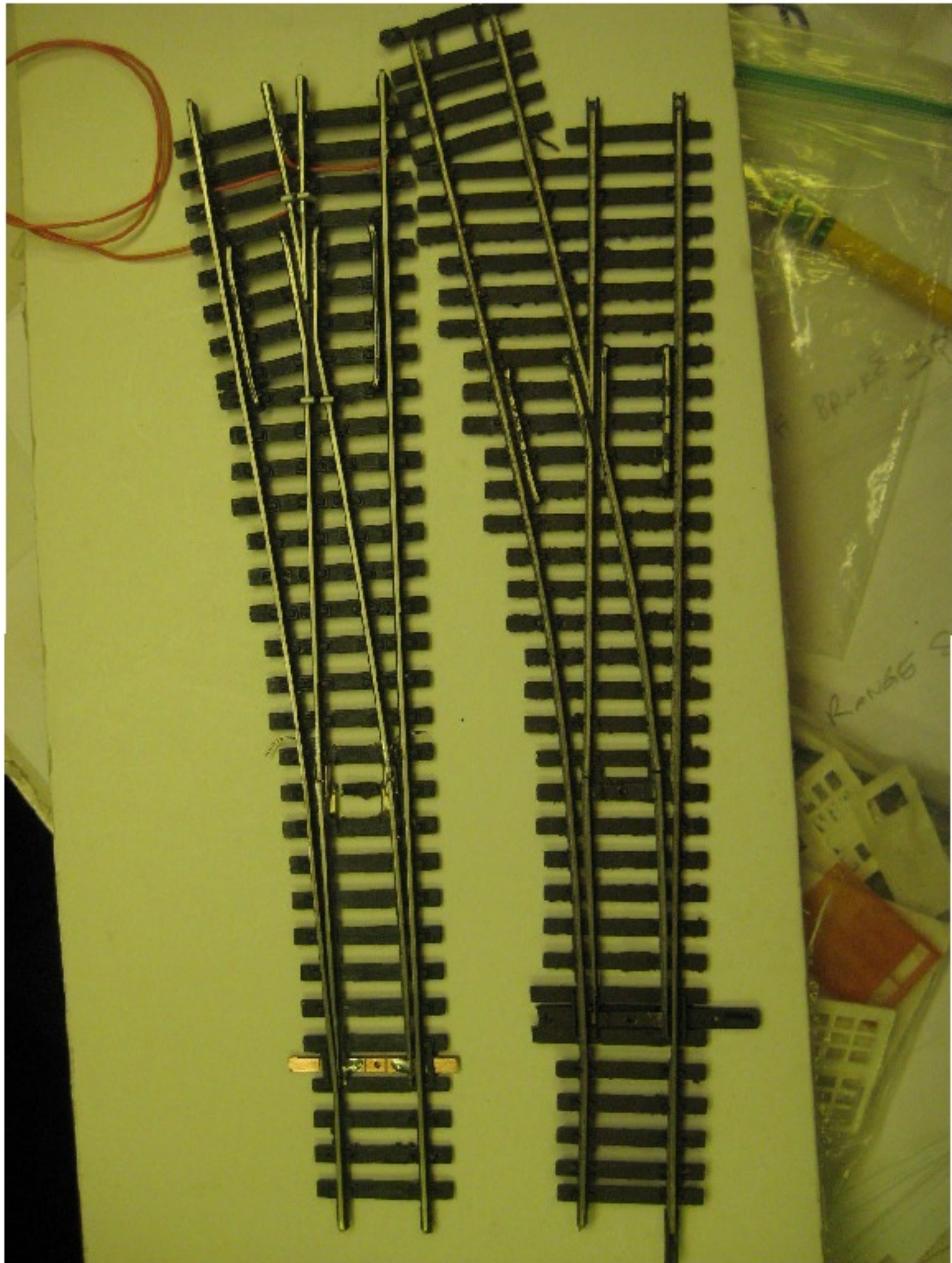# Transforming a DC Turnout into one that's DCC Friendly

By John Grosner
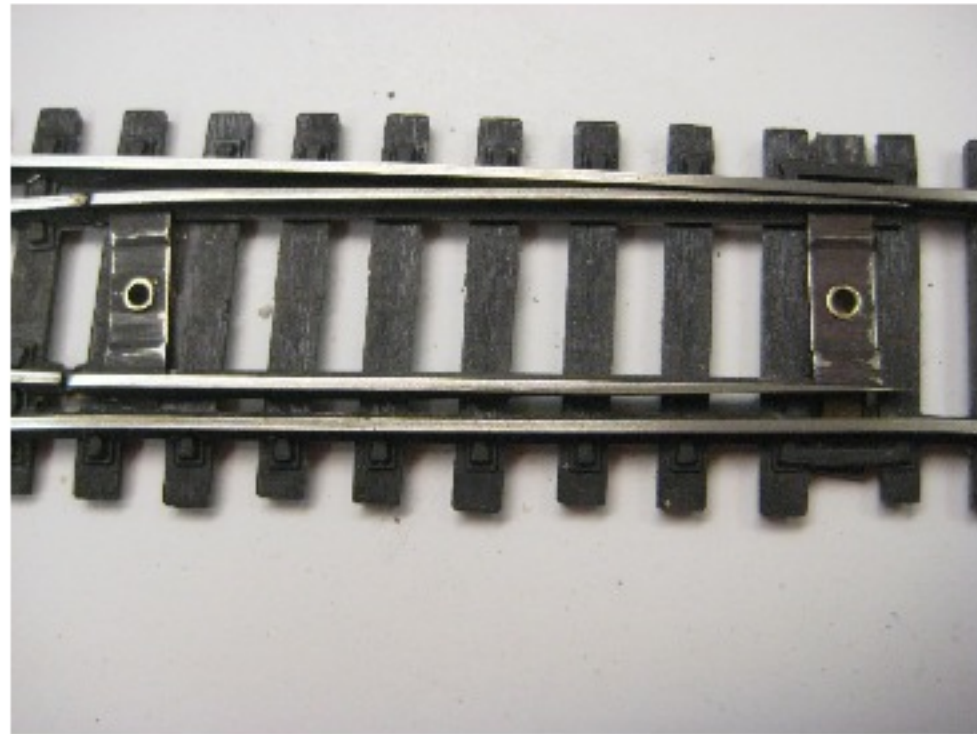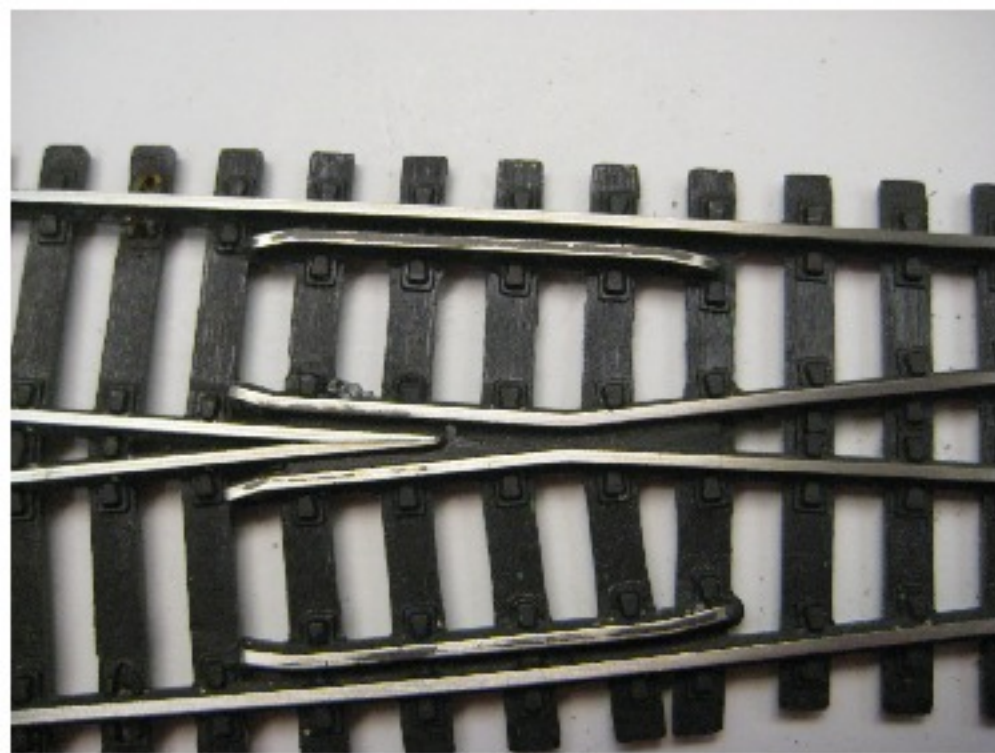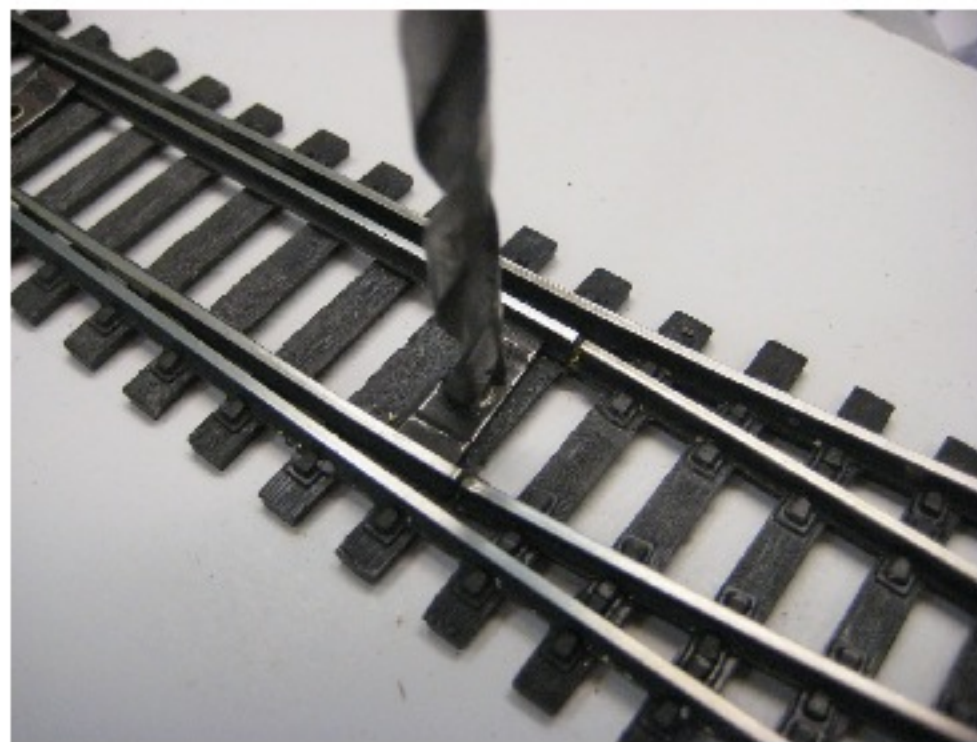
Shinohara DC Turnout

Shinohara DC Turnout
(metal throwbar)
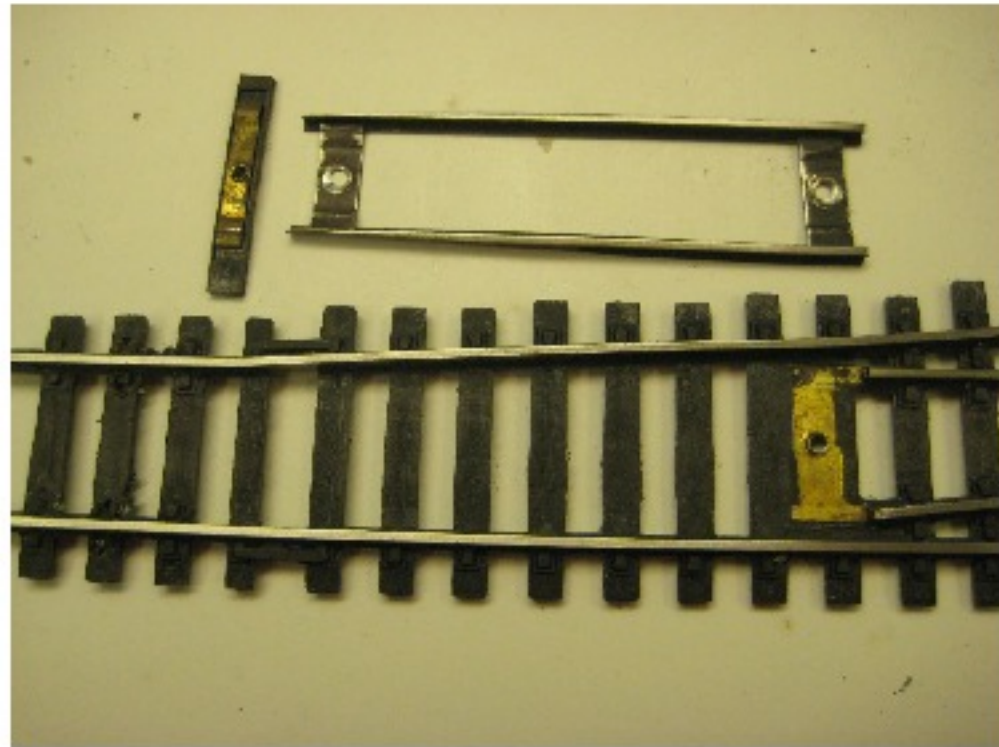Everything same polarity

3
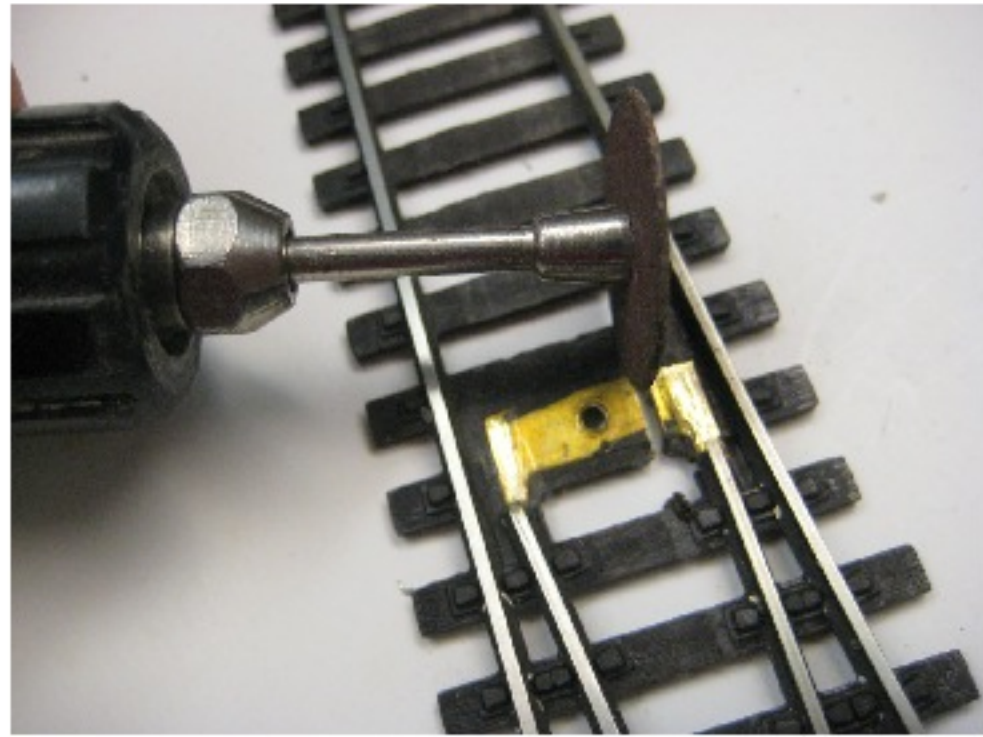
4

Uninslated Frog

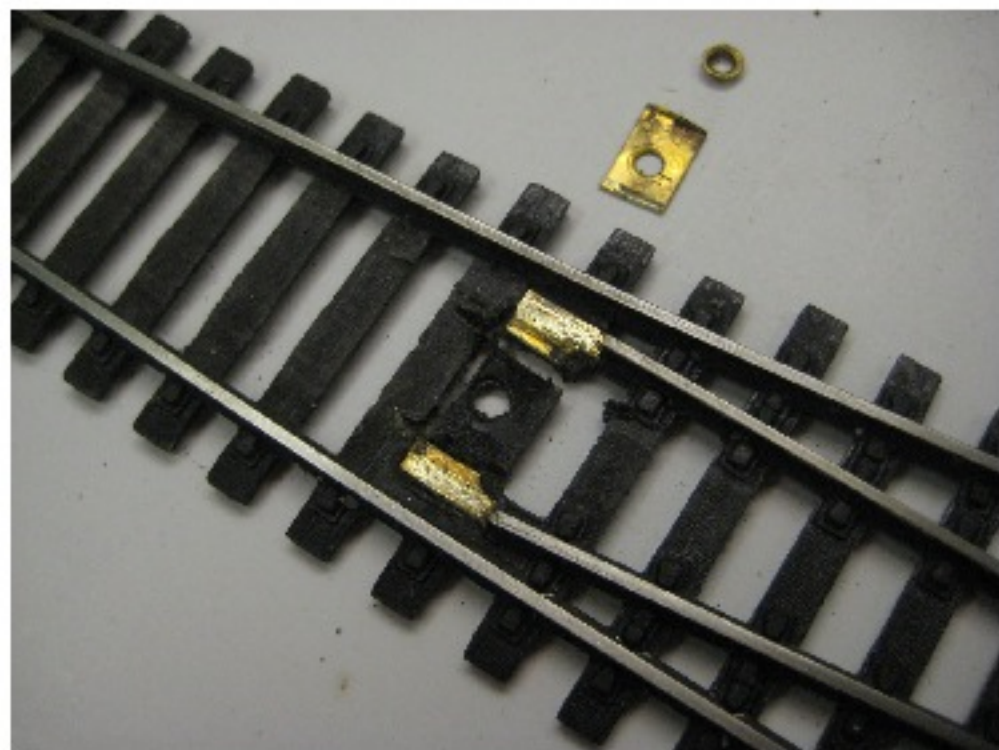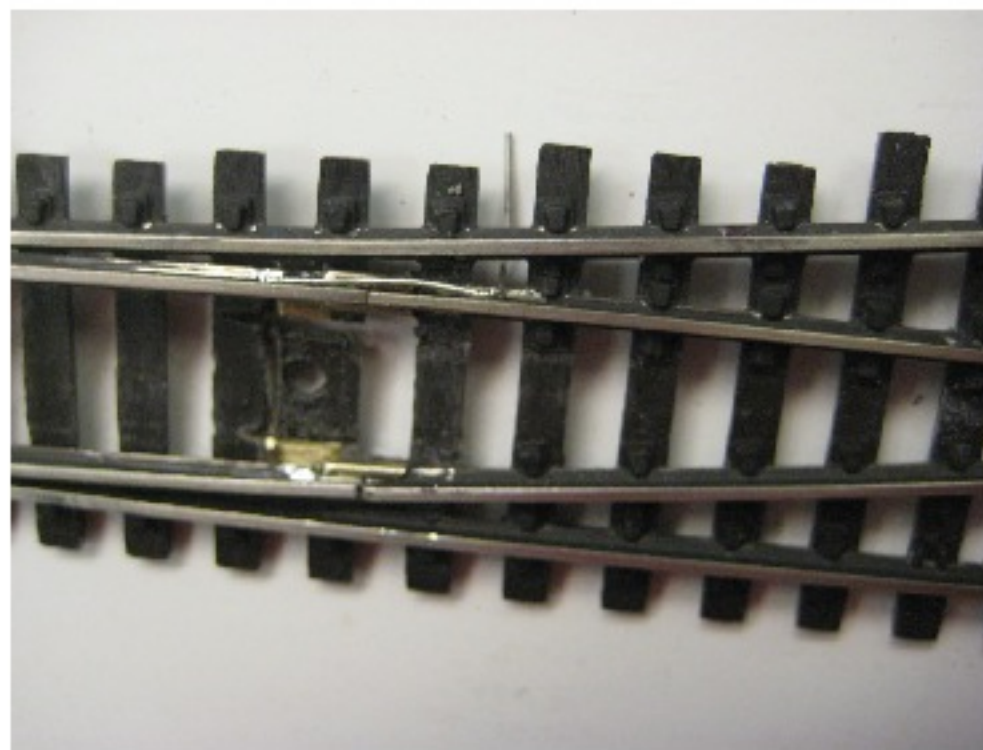Remove Points- drill rivets

5

Points removed
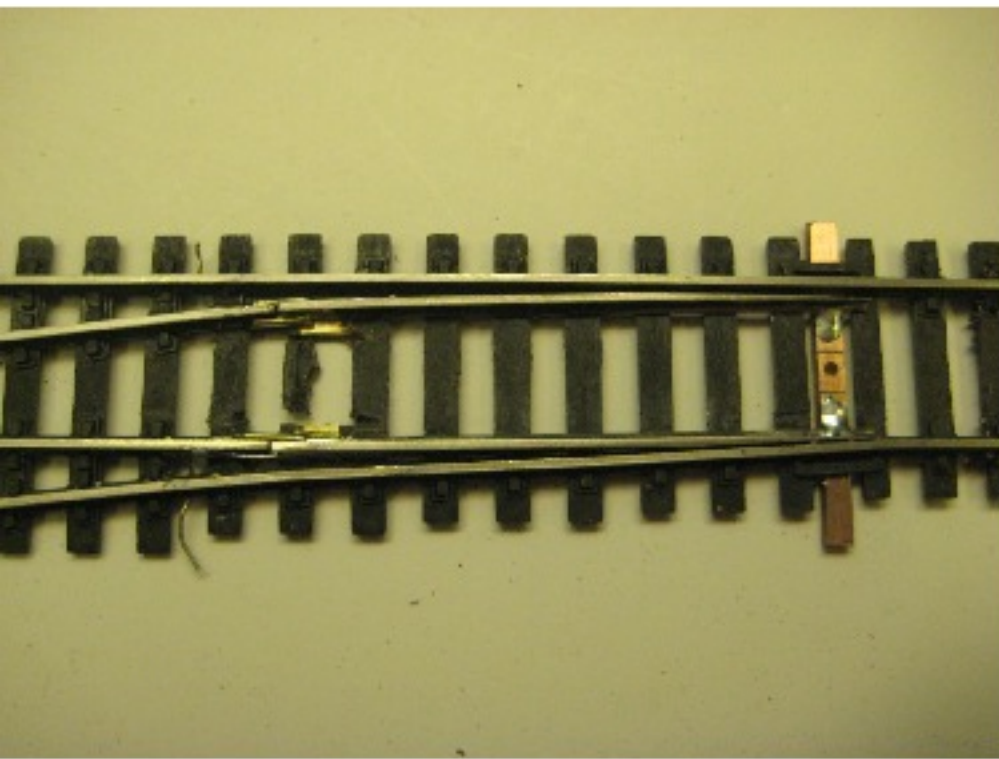
6

Cut to insulate closure rails

7

Done

8

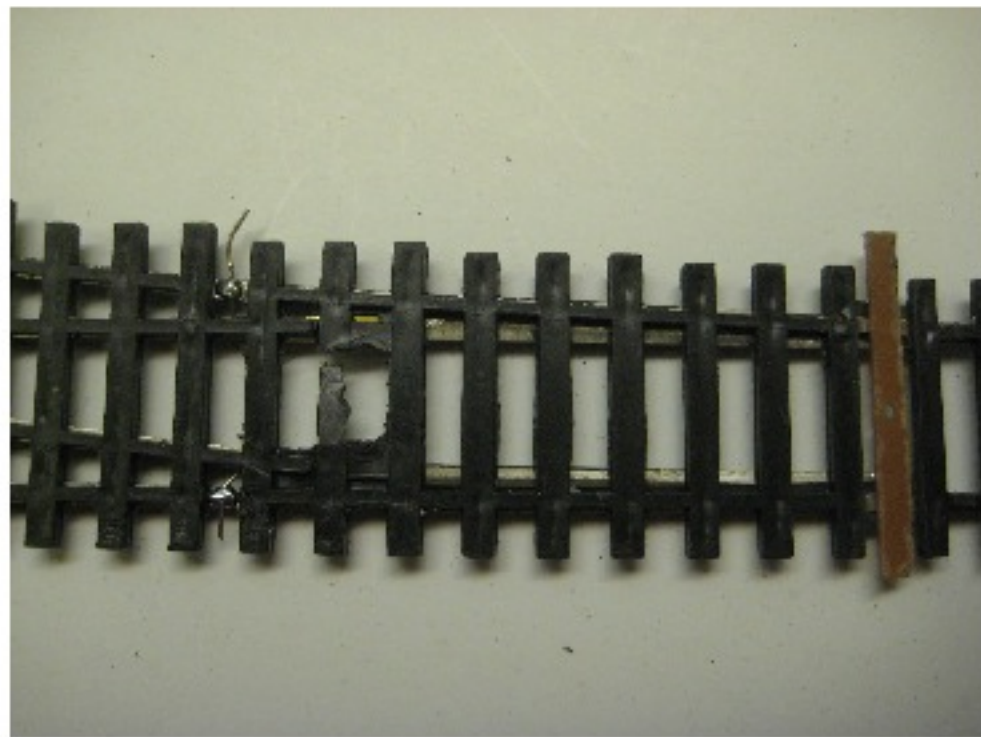!/2 rail joiners installed w jumper wire from points to closure rail to thru rail
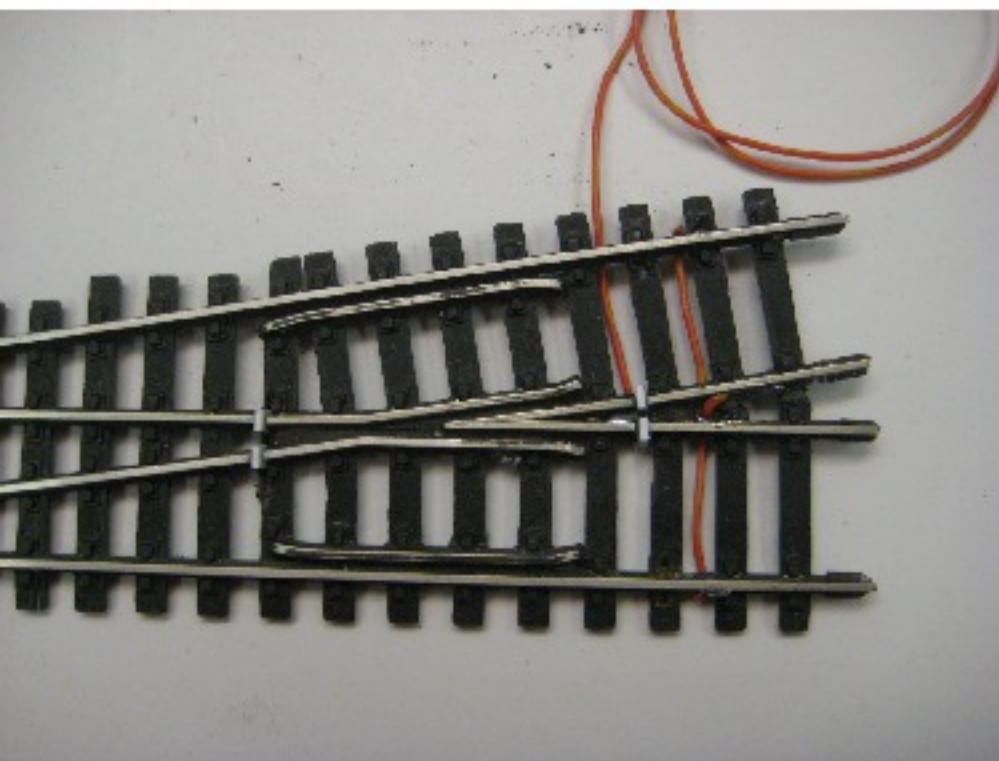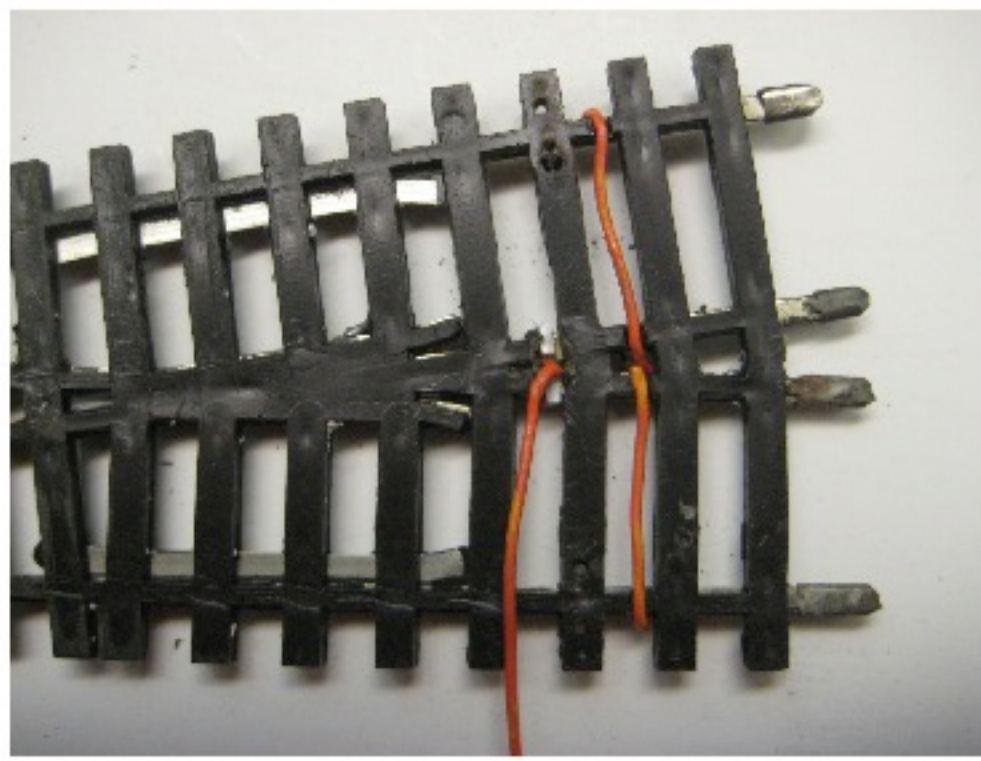
9

PC board throwbar soldered to points

10

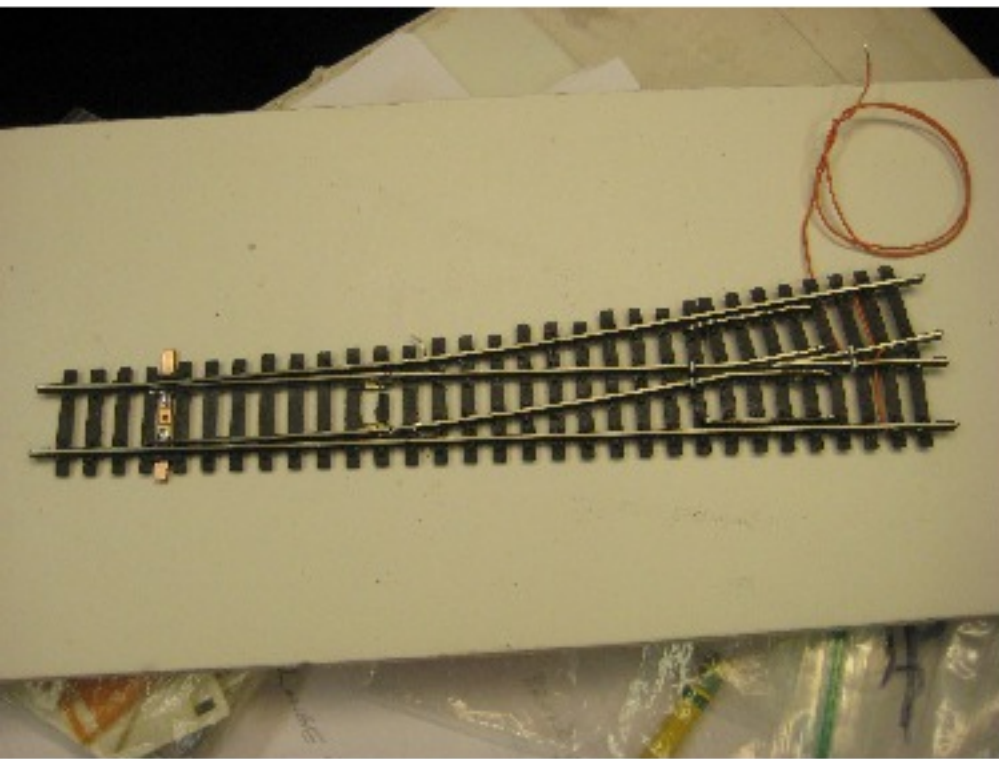Bottom view

11

Inslated Frog w plastic insulators glued in
Through rail jumpers
and wire to electrify frog

12
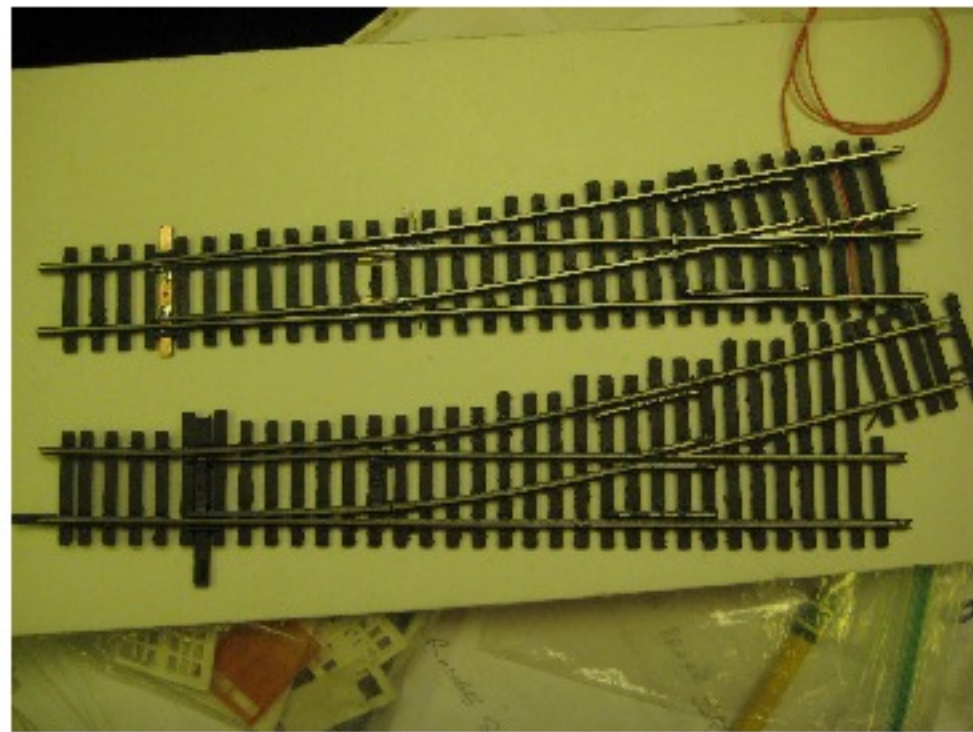

Bottom view

4

13

Finished turnout

14
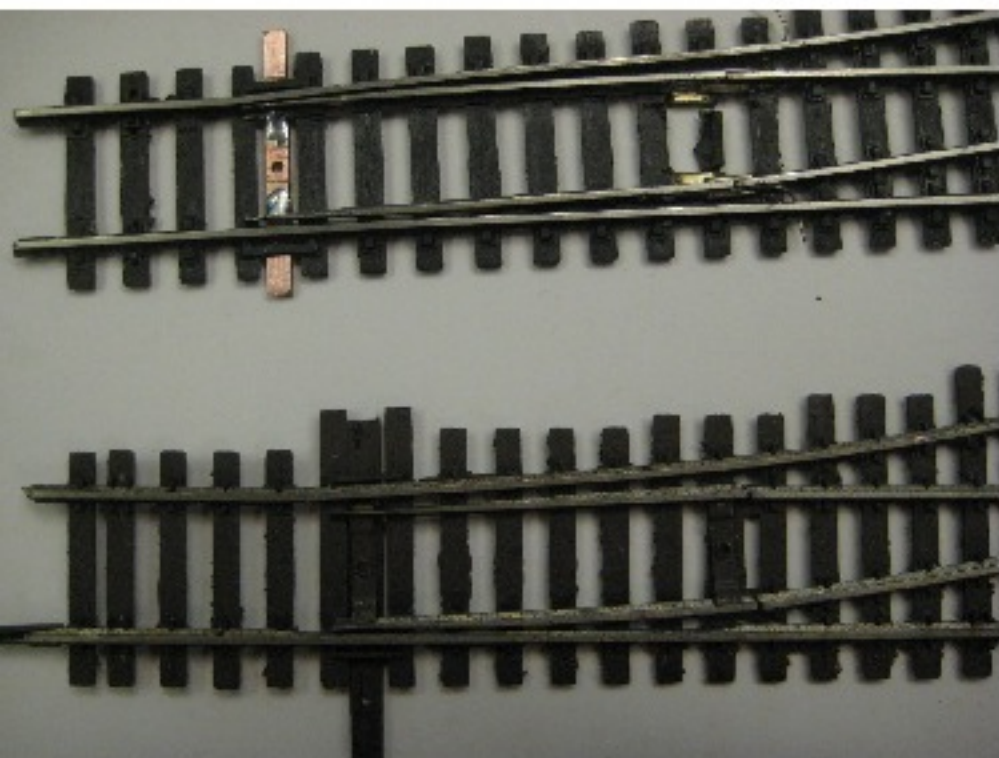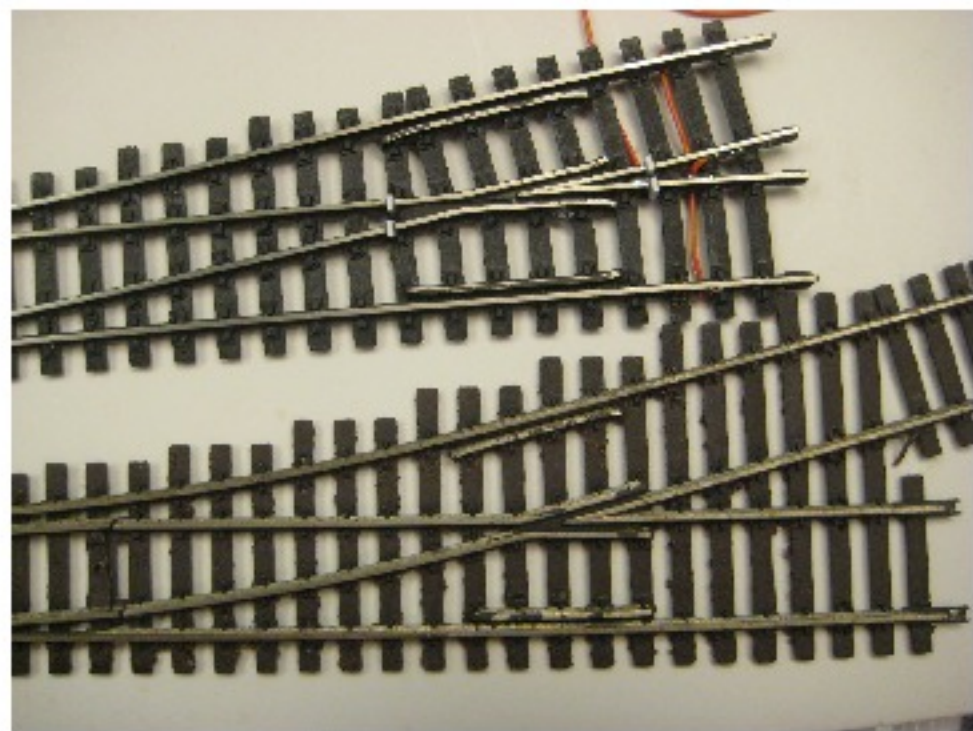

Old / new comparison

15

Comparing old / new points

16

Old / new frog area