



WESTINGHOUSE HALF-DISC GROUND SIGNALS for the SR, S&DJR, BR(S)

Two complete etched brass kits

This kit represents the Southern Railway's standard ground signal design, in both its early miniature arm form, and the later half-disc type seen in the photo above. BR's Southern Region adopted the latter, and some are still in use today.

The model is intended primarily as a cosmetic addition to the layout, but with care, can be made to work.

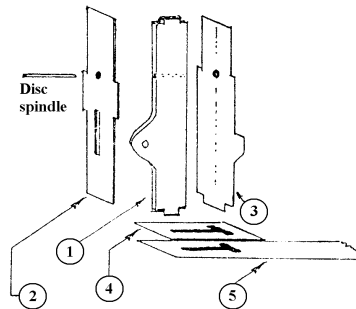
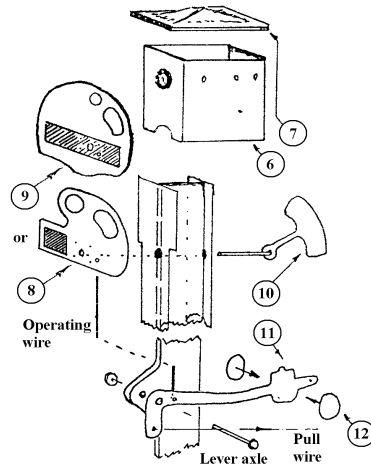
ASSEMBLY

Study the exploded diagram opposite and the fret of parts. Most parts will need tinning before removing them from the fret. Open out the axle and spindle holes in parts 1-3 and 8-11 to 0.50mm (no.76). The operating wire holes on parts 8 and 9 need opening out to 0.40mm (no.78), as do those in part 11, if you are brave enough to have a go at a moving balance lever!

Fold the central spine (1), with the half-etched line on the inside. Push the front bearing through the slot in front plate (2), and offer up rear plate (3). Align the bearing holes with a well-oiled 0.5mm axle and solder the three parts together. Sweat together the two baseplates (4) and (5), then insert the tags at the base of the body into the slots and solder in place. Fold up lamp case (6), with the half-etched lines on the outside, and solder it to the base. Push a suitable blunt instrument up

through the etched out cross in cap (7) to form a dimple, then fill the slots with solder. Fix the cap to the top of the lamp body.

Select either miniature arm (8) or half-disc (9), and solder a 0.5mm wire spindle into the centre hole. Pass the spindle through the body bearing hole and solder on back-blinder (10). Use a paper washer to avoid seizure, and adjust the back-blinder's position so it obscures the lamp when the signal is off – remember that these are lower quadrant signals. Add weights (12) to the balance lever (11). Solder a 0.5mm wire axle to the centre hole, pass it through the body bearing and trap it in place by soldering on a small washer. Make a small hook in the end of the 0.3mm brass operating wire, and pass it through the hole in (8) or (9). This should be taken below the baseboard and connected to your chosen operating mechanism.



PAINTING

The body is usually SR dark grey. The arm/disc is white with a red band, or black with a yellow band for shunt past signals. The rear face is always black with a white band. Add the glazing – red or yellow in the top aperture; blue-green at the side.

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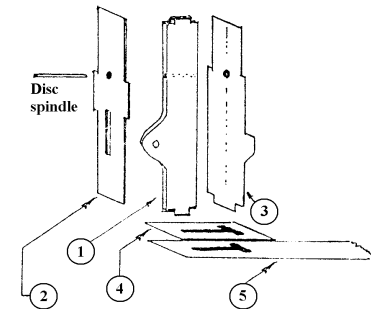
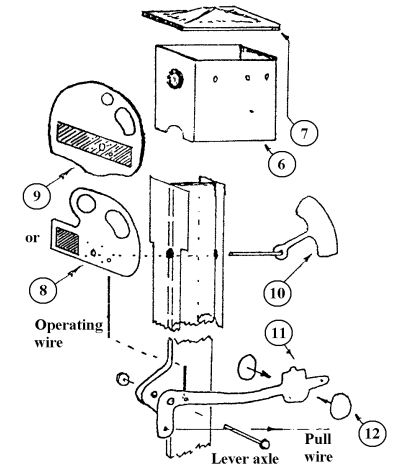
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