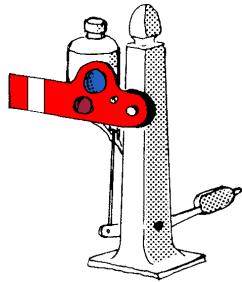


## L&YR GROUND SIGNALS

Single arm  
pattern



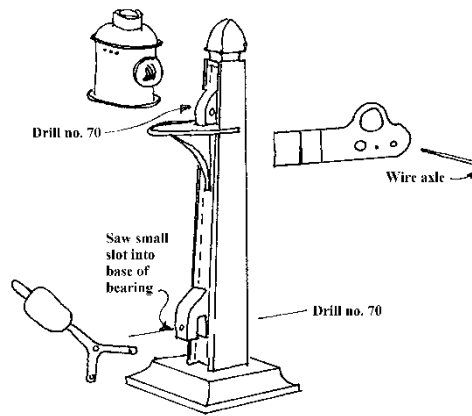
Cast & etched parts for two signals

The parts are designed for soldered assembly. Use a 25-40W pencil bit iron with 70° and 145° solders and a liquid flux. A balsa block to pin down parts helps keep things square. Burnish both sides of the fret before removing any parts. It may be easier to tin some parts before removal. The signals are intended to operate.

### Assembly instructions:

Clear all the bearing holes with a no.70 drill. Saw a small slot into the base of the balance lever bearing as shown. If the signals are to operate, it is suggested that the two post bearings are strengthened to resist the forces of point motors etc. by inserting lengths of tube.

Solder a 22swg wire axle to the arm, using the right-hand bearing hole. Solder a similar axle through the balance weight's centre hole.



After cleaning up the castings, low-melt solder the lamp to the side of the body, positioning it so that the lens is directly behind the smaller spectacle (temporarily fit the arm for this step).

Wash the three assemblies thoroughly in detergent water. Spray the arm assembly with white car primer. Paint the front face red (except the white stripe) and add a corresponding black stripe to the rear. Using the material supplied and gloss varnish, glaze the top spectacle hole blue-green and the lower one red. Spray the body and balance weight assemblies with matt black car primer, and add a touch of silver to the lamp lens.

Place the balance weight and signal arm assemblies through their respective axle holes. Low-melt solder a wire retaining washer onto each axle, using a paper washer next to the body to avoid straying solder.

Lightly oil the bearings. Connect the arm and balance weight with a fine brass wire. After tidying up the painting, the signal is now ready for installation and connection to your chosen means of operation.