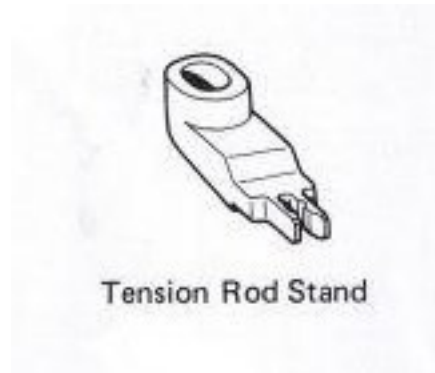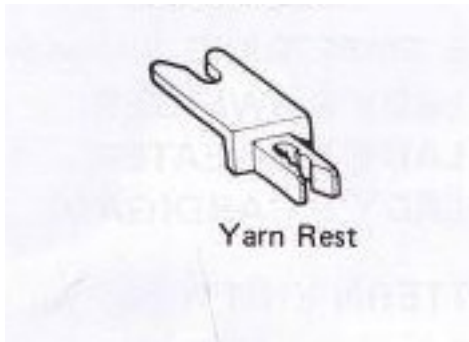# Brother KX-350 Knitting Machine

Converting a Yarn Rest into a Wooden Tension Rod Stand

This document provides basic instructions on how to convert a Yarn Rest into a Wooden Tension Rod Stand.

Yarn Rest

Tension Rod Stand

Note that if the Yarn Rest it is turned upside down, it will fit securely into the hole normally used for the Tension Rod Stand.

Materials

1 piece of 20 mm thick pine, 80 mm x 80 mm. Use softwood rather than hardwood as it is easier to work.
2 x 16 mm countersunk head wood screws

Method

Mark a center line (parallel to the grain) on the top and bottom of the wood.

Place the Yarn Rest on the bottom (centered) and use a sharp pencil to mark the outline on the bottom and on the front edge. This will be 23 mm x 44 mm on the bottom and 23 mm x 12 mm on the front edge.

Place the wood in a vice and use a sharp chisel to rebate the bottom and front edge so that the Yarn Rest fits flush on both edges.

On the centre line, drill a 10 mm diameter hole 60 mm from the front edge. Use a small round file to enlarge the hole so that the Tension Rod is a firm fit in the hole. You should be able to remove it easily – you will need to do this to fit the Wooden Tension Rod Stand into the knitting machine box.

Don't panic if you make the hole too large – you can use matches to firm it up during use.

Remove a square rebate from the front edge of the wood, to allow clearance for the carriage to pass. This will need to be 12 mm back from the front edge, and 2 mm deep. If you are using a thicker piece of wood, the critical dimension is 18 mm from the bottom of the wood.

With the wood upside down, place the Yarn Rest in the rebate and drill two 2mm pilot holes through the Yarn Rest and into the wood. Carefully countersink the holes in the Yarn Rest to match the 16 mm countersunk screws, then screw the Yarn Rest to the bottom of the wood. The screw heads should not protrude below the Yarn Rest so that the wood will sit flat on the kitting machine table.

Design and construction by Kerry & David Edwards

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