

DRIVE WIRE REPLACEMENT RECEIVER MODEL 830/7

NOTE In these instructions, left-hand and right-hand are as viewed from the rear of the receiver.

1. Take off cabinet.
2. Remove the old drive wire by slackening the SBA screws in the two drive pulleys and unsoldering from the cursor carrier.
3. Rotate the cursor adjuster in an anti-clockwise direction until its end-stop is reached. This corresponds to maximum cursor movement towards the high frequency end of the scale and the adjuster should be left at this setting.
4. Rotate the main tuning control in an anti-clockwise direction until the tuning gang is fully meshed.
5. Attach one end of the new drive wire to the SBA screw in the left-hand drive pulley. (The screw should be at approximately 2 o'clock.)
6. Feed the wire through the pulley slot and into the groove nearest to the panel so that it leaves the pulley from right to left.
7. Pass wire round jockey pulley and across main dial between cursor guide rods, passing under cursor carrier.
8. Hold the free end of the wire and rotate the main tuning control in a clockwise direction so that three complete turns are wound onto the left-hand drive pulley. The wire must be held in tension while winding and rotation of the tuning control should continue until the gang is fully meshed.
9. Pass the wire clockwise over the right-hand guide pulley and then downwards and under the cursor shift pulley. Maintain tension to prevent wire slipping off drive pulley.
- 10 Run wire under the meter and across towards the right-hand drive pulley.
- 11 Lay the wire in the second groove from the edge of the pulley which is nearest to the rear of the receiver. Feed the wire along the groove and through the pulley slot which should lie at about 10 o'clock.
- 12 Apply sufficient tension to the free end of the wire to cause the jockey pulley to take up a position roughly  $\frac{1}{8}$ " from the cursor guide rod support bracket. Secure the wire to the SBA screw and cut off the surplus wire.
- 13 Slide the cursor carrier along the guide rod to the high frequency end of the scale. Set the cursor adjuster to mid-travel and then carefully line up the cursor with the extreme ends of the horizontal scale lines. Solder the cursor carrier to the drive wire.
- 14 Check the drive for free and normal operation and rotate the cursor adjuster to check that it provides an independent lateral movement of just under  $\frac{1}{4}$ ".
- 15 Check the scale accuracy against the internal crystal calibrator.