

PHILIPS

Dismantling: Remove the sliding battery cover and take out batteries and foam pad. Release the screw located at each end of the battery compartment, and gently separate the two halves of the case. Ease the station scale from its locating lugs on the front case and remove for safe keeping the carrying strap fixing studs, case clamping brackets and the battery link. The component side of the printed panel is now accessible. To gain access to the print side of the panel and the tuning drive assembly, remove the two screws securing the bracket and pulley assembly to the front case, then release the two screws and fibre washers securing the printed panel. The printed panel complete with ferroceptor aerial and tuning drive assembly can now be lifted from the case, captive only by the earphone and loudspeaker connecting leads which may now be unsoldered.

Alignment: Use alignment procedure given for Philips Model 13RS261.

PHILIPS

Model 13RL360

General Description: A six-transistor, M.W./L.W. portable receiver. Sockets are provided for the connection of a car aerial socket, earphone and tape recorder. A feature of the circuit is a fine tuning control employing a capacitance diode operated by a potentiometer.

Dismantling

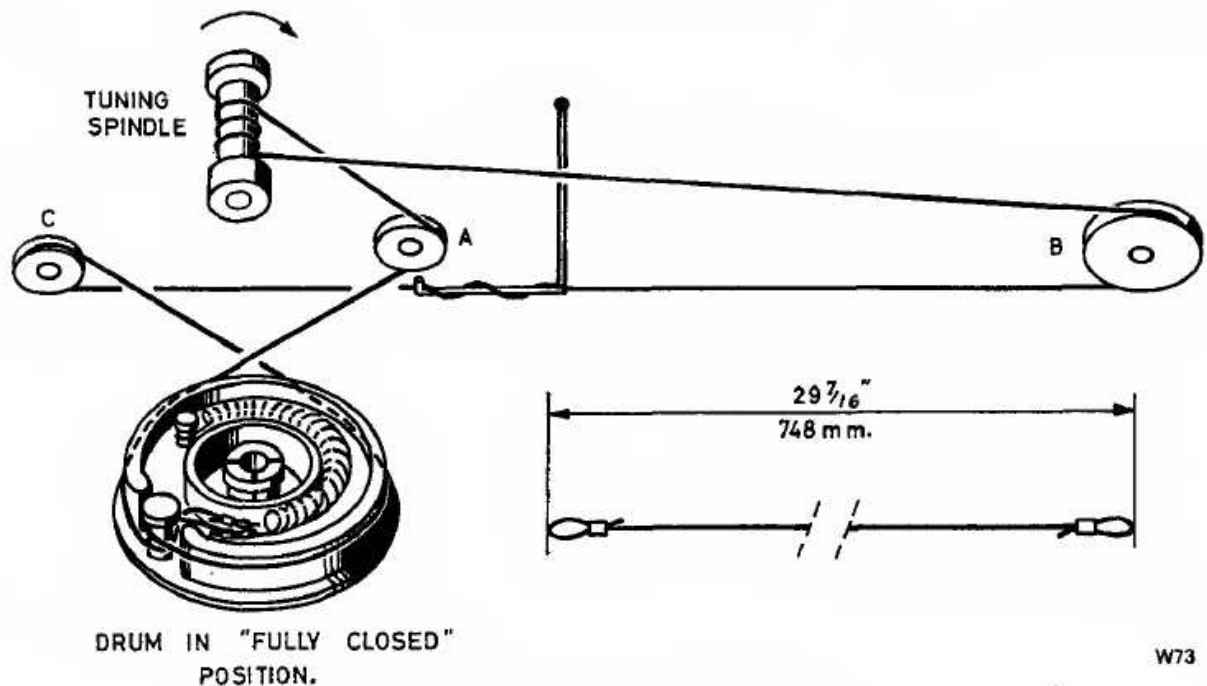
Removing the Cabinet: Place receiver face downwards on a soft cloth, release the two captive retaining screws in the cabinet backplate, then lift off backplate. Remove the battery; the wooden cabinet is now held only by the four corner screws.

Removing the Chassis: To detach the chassis from the front moulding, remove the two large screws securing the socket plate assembly, also the two chassis screws, one of which is situated next to the tuning gang and the other near the Station Focus control mounting plate. Pull off the four control knobs, unsolder the speaker leads and withdraw the chassis.

Releasing the Panel: To gain access to the underside of the panel, release the two fixing screws and withdraw the panel from the slots in the rod aerial rubber mounting brackets. To release the panel further, unsolder C32 from the underside and R31 from its tag near the Station Focus control. The panel can now be removed.

R23 Adjustment: This resistor controls the amount of current drawn by T5/T6 under quiescent conditions. Normally, adjustment will only be required if T5/T6 or any associated components are replaced. To measure the combined collector current, remove the shorting link on the panel near the output transformer. Connect a 0-10 mA. meter between the link tags, turn volume control to minimum, switch receiver on and ensure that the

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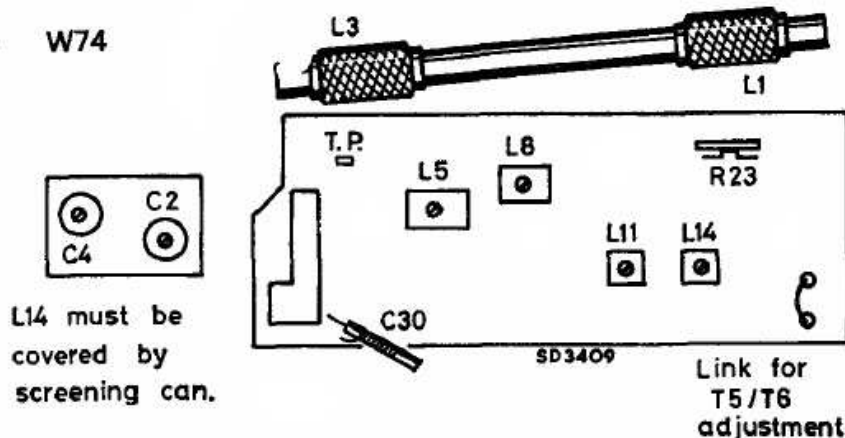


(W73) DRIVE CORD—MODEL 13RL360

battery voltage is at least 8.5 volts. Observe the ambient temperature near the panel and adjust R23 to give a meter reading according to the table given below.

Temperature	Collector current setting
18°C (64.4°F)	4.5 mA.
22°C (71.3°F)	5 mA.
26°C (78.4°F)	5.5 mA.

W74



(W74) TRIM PLAN—MODEL 13RL360

Alignment: I.F. L14 (470 kc/s.), L8 (473 kc/s.); M.W. L5 (553 kc/s.), C4 (1638 kc/s. L.H. Marker), L1 (650 kc/s.), C2 (1300 kc/s.); L.W. C30 (148 kc/s.), L3 (185 kc/s.).

Viewed on solder contacts

