

Subsequent Installation and Testing of Car Radio

Job No.

82 — 20

(Optional, SA 55152 and SA 55160)

In addition to the radios made by the two firms of

Becker and Telefunken

which have been approved for installation at works, the Sindelfingen works has approved the radios made by the two firms of

Blaupunkt and Philips

for subsequent installation at branches and agencies.

All the suppliers of car radios issue installation instructions with the sets and also a digest of the list of parts. The car radios should be fitted according to the installation instructions. The latest modifications are incorporated in the instructions in each case. For this reason, no detailed data on the subject have been included in this Workshop Manual.

The same applies to the installation of aerials. Those made by the firms of Sihn and Hirschmann have been approved. Drilling templates are supplied together with the installation instructions. The templates make the work of installation considerably easier.

When a car radio is installed, the whole ignition system must be fitted with suppressors. Methods of interference suppression are indicated in the installation instructions and these enable complete suppression to be obtained for VHF reception. The most important parts of the suppression system are:

Suppressed spark plugs — resistance of 5000 Ohms

Suppressed distributor rotor arm — resistance of 5000 Ohms

Suppressed plug contacts for the ignition cables at the distributor and at the spark plugs
— each resistance of 5000 Ohms

Suppressed plug contacts for the high tension cable from the ignition coil to the distributor
at the distributor end — resistance of 5000 Ohms

Note: With such an all-embracing system of interference suppression, a particularly unfavourable combination of factors might lead to misfiring under full-load conditions and at high engine speeds, since the suppressor resistors reduce the actual spark considerably. In such cases it is advisable to remove the suppressed plug contacts at the distributor and if necessary, also the suppressed plug contact of the high tension cable from the ignition coil to the distributor. It will then be necessary to put up with some slight ignition interference in VHF and short-wave reception; the interference level is, however, tolerable if the radio station is tuned to the exact carrier frequency.

If the installation of the radio is carried out strictly according to the installation instructions, there is as a rule no possibility of interference or of malfunction.

In this connection it should be noted that only those suppressed spark plugs approved by us may be used and that the specified electrode gap of 0.9—1.0 mm must be maintained (see also Job No. 01—3, Section C).