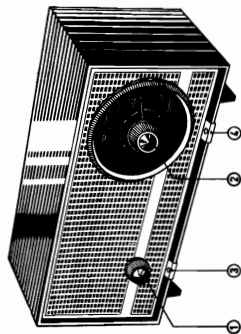


PHILIPS Service

RADIO

B1X02A/70E/70F/70R



CONTROLS		BEDIENING		COMMANDE		MANDOS	
Vol. control + Mains switch	1	Volumeregelaar + netschakelaar	1	Contrôle de volume + Int. de réseau	1	Control de vol. + Int. de red	1
Tuning	2	Afstemming	2	Sintonisation	2	Sintonía	2
Tone switch	3	Toonschakelaar	3	Comm. de tonalité	3	Comm. de tono	3
Wave switch	4	Golflengteschak.	4	Comm. des gammes	4	Comm. de márgenes	4

SPECIFICATION		SPECIFICATIE		SPECIFICATION		ESPECIFICACION	
Loudspeaker	AD 1400 W	Luidspreker	M.P.	Haut-parleur	AD 1400 W	Altavoz	P.I.
I.F.	450 kc/s (A.M.) 10,7Mc/s (P.M.)	Z.F.	M.P.	M.P.	450 kc/s (A.M.) 10,7Mc/s (P.M.)	P.I.	P.I.
Mains voltages	110, 127, 220 V	Netspanningen	Tensions de réseau	Tens. de red	110, 127, 220 V	Consumo	Consumo
Consumption	40 W	Verbruik	Consommation	Consumo	40 W	Dimensions	Dimensions
Dimensions	295x156x140 mm 11 3/8x6 1/8x5 3/8"	Abmessungen	Dimensions	Dimensions	295x156x140 mm 11 3/8x6 1/8x5 3/8"		

Wave ranges - Golfbereiken - Wellenbereiche - Gammes d'ondes - Márgenes de ondas		Valves - Buizen - Röhren - Tubes - Válvulas	
M.W. - M.G. - M.W. - P.O. - O.M. - P.O. - O.M.	186 - 580 M (1612 - 517 kc/s)	B1-ECC85	B3-EF89
P.M. - P.M. - U.K.W. - F.M. - M.F. - F.M. - M.F.	3 - 3,43 M (100 - 87,5 Mc/s)	B2-ECH81	B4-UAC80
		B5-UL84	B6-UY85
			L1 - 8045D/00

SERVICE INFORMATION

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Confidential information for Philips Service Dealers

Printed in Holland

93 723 20.1.90

To order parts which do not occur in this list consult the Catalogue for Service Spare Parts.
Voor het bestellen van onderdelen, welke niet in bovenstaande lijst vermeld zijn, raadpleeg men de Catalogus voor Service Onderdelen.
Zur Bestellung nicht in dieser Liste genannter Einzelteile siehe den Katalog für Service Standard Ersatzteile.
Pour les pièces ne figurant pas dans cette liste, consultez le Catalogue pour Pièces de Remplacement Standard.
Para las piezas que no figuran en las listas, consúltese el Catálogo de Piezas de Recambio Standard.

R1 R6/9 R15 R16/9 C40 C42 C44 C46 C48 C50 C52 C54 C56 C58 C60 C62 C64 C66 C68 C70 C72 C74 C76 C78 C80 C82 C84 C86 C88 C90 C92 C94 C96 C98 C100 C102 C104 C106 C108 C110 C112 C114 C116 C118 C120 C122 C124 C126 C128 C130 C132 C134 C136 C138 C140 C142 C144 C146 C148 C150 C152 C154 C156 C158 C160 C162 C164 C166 C168 C170 C172 C174 C176 C178 C180 C182 C184 C186 C188 C190 C192 C194 C196 C198 C200 C202 C204 C206 C208 C210 C212 C214 C216 C218 C220 C222 C224 C226 C228 C230 C232 C234 C236 C238 C240 C242 C244 C246 C248 C250 C252 C254 C256 C258 C260 C262 C264 C266 C268 C270 C272 C274 C276 C278 C280 C282 C284 C286 C288 C290 C292 C294 C296 C298 C300 C302 C304 C306 C308 C310 C312 C314 C316 C318 C320 C322 C324 C326 C328 C330 C332 C334 C336 C338 C340 C342 C344 C346 C348 C350 C352 C354 C356 C358 C360 C362 C364 C366 C368 C370 C372 C374 C376 C378 C380 C382 C384 C386 C388 C390 C392 C394 C396 C398 C400 C402 C404 C406 C408 C410 C412 C414 C416 C418 C420 C422 C424 C426 C428 C430 C432 C434 C436 C438 C440 C442 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Serv - 0 - Mecum	Push button	Tuning unit	Signal	Trim	Output
E - a - 1	Druktoets	Unité Sint.	Signal	Afregelen	Tension de sortie
E - a - 2	Taste	Abtasteneinheit	Signal	Abgleichen	Output
E - a - 3	Pulsador	Unidad de sintonía	Señal	Ajustarse	Tensión de salida
I.P. M.F. M.F.	2.F. M.G. P.O.	M.W. M.G. O.N.	452 Kc/s via 35.000 pF - gB1	S16, S15, S11 S12	Max.
R.F. circuits Circuitry R.F. R.F. Kreise	M.W. M.G. P.O.	M.W. M.G. O.N.	508 Kc/s Max.	C21	
I.P. M.F. M.F. F.I.	F.M. F.M. F.M. U.K.W.	100 Mc/s Max.	10.7 Mc/s via 1500 pF - gB3 10.7 Mc/s via 1500 pF - gB2	S11, S12	Max. D.V. D.V. D.V.
R.F. circuits Circuitry R.F. R.F. Kreise	F.M. F.M. F.M. U.K.W.	87.5 Mc/s 100 Mc/s 94 Mc/s	10.7 Mc/s via 1500 pF - gB3 10.7 Mc/s via 1500 pF - gB2	S6, S9 S56, S95 S57, S95	Max. D.V. Max. D.V.

Unless otherwise stated, all signals are applied to the aerial socket via a dummy aerial.
Wanneer anders vermeld, worden alle signalen toegevoerd via een kunstantenne.
Trimming is done with the aid of an A.M. service oscillator.

Indien niet anders aangegeven worden alle signalen aan de antennebus toegevoerd via een kunstantenne.
Bij het afregelen van het F.M.-deel zijn de toegevoerde signalen ongemoduleerd.
Het afregelen geschiedt met behulp van een A.M.-Service oscillator.

S'il n'y a rien indiqué d'autre, tous les signaux sont appliqués à douille d'antenne par l'intérieur
d'une antenne fictive.
Au réglage de la partie F.M. les signaux appliqués sont non-modulés.
Le réglage se fait à l'aide d'un oscillateur Service A.M.

Wenn nicht anders angegeben werden alle Signale über eine Kunstantenne den Antennenbuchsen zugeführt.
Beim Abgleichen des F.M.-Teils sind die zugeführten Signale unmoduliert.
Abgleichen mit Hilfe eines A.M. Service Oscillator.

Si no indicado de otra manera, todas las señales son aplicadas al buje de antena a través de una antena artificial.
Apuntando la sección de F.M. las señales aplicadas son sin modular.
El ajuste se efectúa por medio de un oscilador de A.M. de servicio.

■ Connect the diodevoltage (D.V.) via two resistors of 0.22 MΩ (1 %) (see circuit diagram).
Diodovoltage (D.V.) aansluiten via twee weerstanden van 0.22 MΩ (1 %) (zie schakeldiagram).
Die Widerstände von 0.22 MΩ entfernen und das Diodevoltmeter wieder über C36 anschließen (in Serie mit 0.1 MΩ).
Conectase el voltímetro de diodo (D.V.) a través de dos resistencias de 0.22 MΩ (1 %) (véase el esquema de principio).

■ Remove the two resistors of 0.22 MΩ and connect again the diode voltmeter across C36 (in serie with 0.1 MΩ).
De weerstanden van 0.22 MΩ verwijderen en de diodevoltmeter weer aansluiten over C36 (in serie met 0.1 MΩ).
Enlever les résistances de 0.22 MΩ et connecter le voltimètre à diode à nouveau sur C36 (en série avec 0.1 MΩ).
Die Widerstände von 0.22 MΩ entfernen und das Diodevoltmeter wieder über C36 anschließen (in Serie mit 0.1 MΩ).
Referencese las resistencias de 0.22 MΩ y conéctase de nuevo el voltímetro a través de C36 (en serie con 0.1 MΩ).

Replacement of aerial and oscillator coil A.M.

When replacing the A.M. aerial and the oscillator coil S61 and S62 the cores should be entirely in the coil.
Bij het vervangen van de A.M. antenne- en oscillatorkoepel, S61 en S62, dienen de kernen zich geheel in de spoel te bevinden.
Die Spule ist fest mit dem F.M. Tuner verbunden.
The coil bush is fixed to the F.M. tuner by means of two screws. The cores should be pressed entirely into the coil and the leads should be soldered.
Afterwards readjust the trimmers as indicated in the table for trimming.

Verwijdering antenne- en oscillatorkoepel A.M.

■ Bij het vervangen van de A.M. antenne- en oscillatorkoepel, S61 en S62, dienen de kernen zich geheel in de spoel te bevinden.
De Spule ist fest mit dem F.M. Tuner verbunden.
Die Spule ist fest mit dem F.M. Tuner verbunden.
The cores should be pressed entirely into the coil and the leads should be soldered.
Afterwards readjust the trimmers as indicated in the table for trimming.

Remplacement de l'antenne et la bobine oscillatrice A.M.

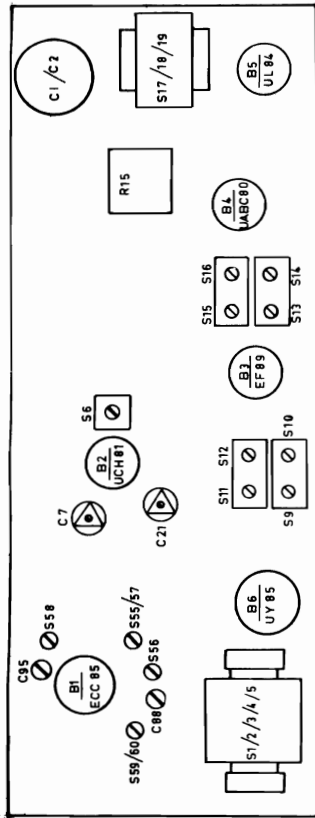
■ En remplaçant la bobine de l'antenne et la bobine oscillatrice A.M. S61 et S62, il faut que les noyaux se trouvent entièrement dans la bobine, par conséquent il faut tourner l'essieu d'accord entièrement vers la position de l'antenne.
La bobine de l'antenne et la bobine oscillatrice A.M. S61 et S62, il faut que les noyaux se trouvent entièrement dans la bobine, par conséquent il faut tourner l'essieu d'accord entièrement vers la position de l'antenne.
Foussez les noyaux entièrement dans la bobine et soudez les fils.
Ensuite il faut régler les trimmers indiqués sur le tableau de réglage.

Auswechselung Antenne und Oscillatorkoepel A.M.

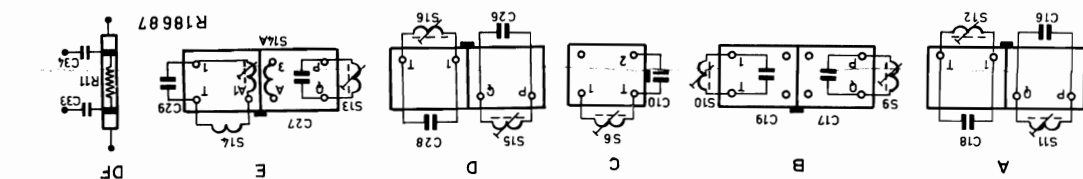
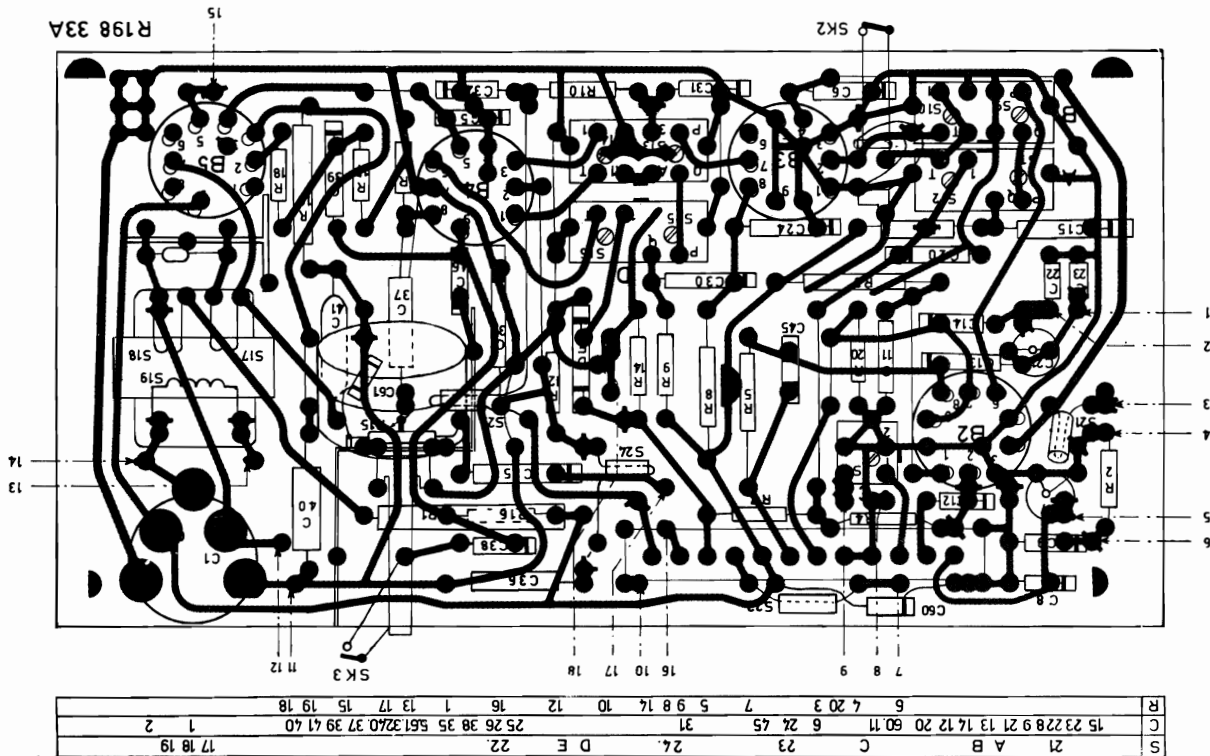
■ Bei Auswechselung der A.M. Antenne- und der Oscillatorkoepel S61 und S62, sollen die Kerne sich ganz in der Spule befinden, die Abstimmung muss als ganz rechts herum bis zum Anschlag stehen. Die Spulenbuchse wird fest mit dem F.M. Tuner verbunden.
Die Kerne ganz in die Spulenbuchsen und die Drähte verlöten.
Danach die Trimmer laut der Trimmertafel wieder einstellen.

Sustitución de las bobinas de A.M. de la antena y del oscilador

■ Al reemplazar la bobina de A.M. de la antena S61 y la del oscilador S62, los núcleos han de encontrarse completamente en la bobina, así como el eje de sintonía girado hacia la izquierda hasta el tope.
El buje de bobina es fijado al sintonizador de F.M. por medio de dos tornillos.
Aprésense los núcleos enteramente en la bobina y suédense los hilos.
Después se ha de reajustar los trimmers como indicado en la tabla de ajuste.



B1X02A/70E/70F/70R



R198 33A

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