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REMOTE KIT / DUAL CONTROL HEAD KIT

KRK-5/6DH

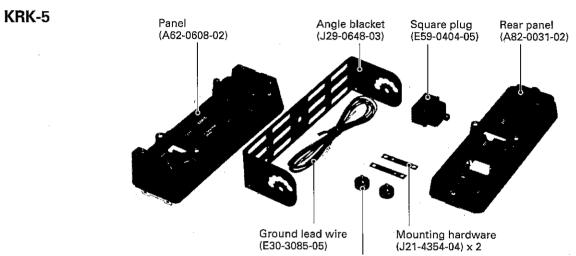
SERVICE MANUAL

REVISED

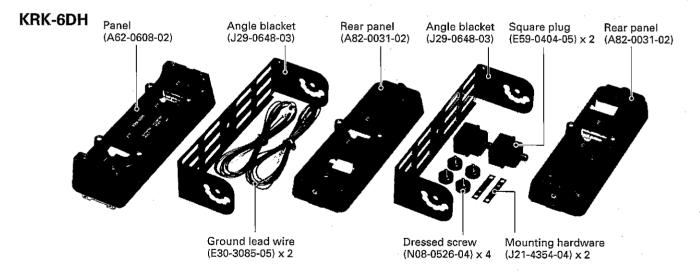
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Due to an erroneous information the install section of service manual KRK-5/6DH (B51-8445-00). The revised section is on page 2, number 1-2 display assembly (Fig. 2). This service manual (B51-8445-20) provides revised information for tat section.



Dressed screw (N08-0526-04) x 2



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INSTALLATION

1. Installing the Remote Kit (KRK-5)

The KRK-5 remote kit is used to remotely operate a TK-790/890/H series radio (called radio below). The KRK-5 is connected to a KCH-10 or KCH-11 with an optional KCT-22M 8 feet), KCT-22M2 (17 feet), or KCT-22M3 (25 feet) control cable.

1-1. Connection of radio 1 and KRK-5 (Fig. 1)

- Remove the upper and lower halves of the case of radio
- Connect W501 of the control unit (X57 B/3) to CN4 of the KRK-5.
- 3. Install the KRK-5 on radio using the four flat-headed screws (1). Take care not to get W501 between the frames edges.
- 4. Reassemble the upper and lower halves of the case of radio.

1-2. Display assembly (Fig. 2)

The following steps apply to both the KCH-10 and the KCH-11.

- 1. Remove the three screws (1) on the rear panel of the head, then remove the sub panel.
- 2. Connect connector W102 from the head to CN1 of the display unit (2).
- KCH-10: Connect connector W103 from the head to CN3 of the display unit (3).
 KCH-11: Connect connector W103 from the head to CN2 and CN3 of the display unit.
- 4. Make a slight cut in the end of the rubber cap (4).
- 5. Slide the lead wire of the connector wiring (5) through the slit in the rubber cap (6).
- 6. Insert the rubber cap into the hole in the rear panel () (Follow the arrow in the diagram.)
- 7. Attach the connector (3) to the ACC connector (9) on the sub panel as shown by the arrow (10).
- 8. Install the head sub panel onto the display unit sub panel (11).
 - **Note:** Insert the head sub panel into the display unit sub panel.
- 9. Connect the sub panel to the display unit with the four screws (N32-3006-46) (12).
- 10. Install the head with the three screws that were removed in step 1.
- 11. Use a wire band to secure the lead wire at the end of the rubber cap (13).

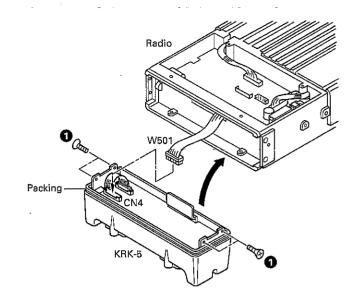


Fig. 1

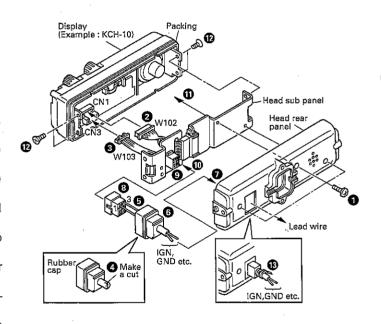


Fig. 2

INSTALLATION

1-3. Control cable (KCT-22) connection (Fig. 3)

- Connect one connector of the control cable to radio (with KRK-5) and the other to the display. Connect the cable GND terminal with the binding screw (N35-3006-46) (1) supplied with the control cable.
- 2. Secure the connector of the control cable to the KRK-5 with the two sems (N67-4016-45) (2) according to the installation condition of radio. Secure the control cable on the KRK-5 with the cable fitting (J21-4354-04) and two screws (N09-0335-05) (3) supplied with the KRK-5.
- Secure the other connector of the control cable to the display unit with two sems (N09-2166-05) (4) in the same way.

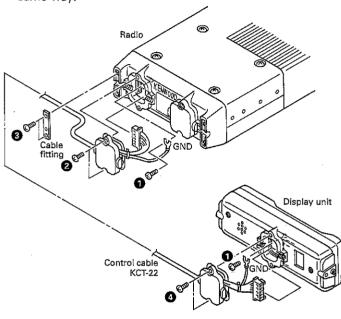


Fig. 3

1-4. Display installation (Fig. 4)

Install the display with the supplied angle bracket (J29-0648-03) (1) and two decorative screws (N08-0526-04) (2).

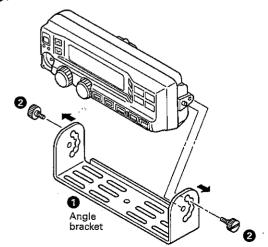


Fig. 4

2. Installing the Dual Control Head Remote Kit (KRK-6DH)

The KRK-6DH remote kit connects two displays (two KCH-10s or KCH-11s) to a TK-790/890/H series radio. The KRK-6DH is connected to the KCH-10s or KCH-11s with two optional control cables. There are three version of the control cable: KCT-22M (8 feet), KCT-22M2 (17 feet), and KCT-22M3 (25 feet).

2-1. Connection of radio and KRK-6DH (Fig. 5)

- 1. Remove the upper and lower halves of the case of radio.
- 2. Connect W501 on the control unit (X57 B/3) to CN4 of the KRK-6DH.
 - Connect the W104 connector from CN5 on the KRK-6DH to CN504 of the radio.
- 3. Install the KRK-6DH on radio using the four flat head screws (N32-3006-46) (1).
- Reassemble the upper and lower halves of the case of radio 1.

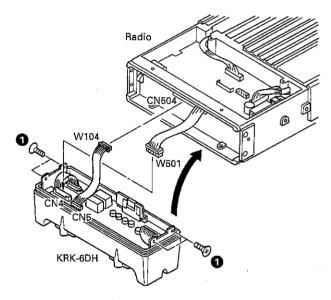


Fig. 5

2-2. Assembly of displays (displays 1 and 2) (Fig. 2)

 Same as the KRK-5 display assembly procedure in Section 1-2. (Assemble the two displays in the same way.) See page 2.

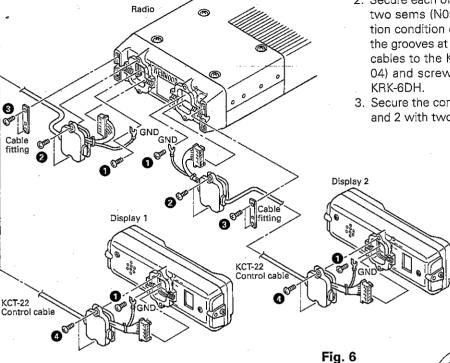
INSTALLATION / DISASSEMBLY FOR REPAIR

2-3. Control cable (KCT-22) connection (Fig. 6)

 Use two control cables. Connect one and of one of the control cables to radio (with KRK-6DH) and the other end to display 1.

Connect one connector of the other control cable to radio

- 2. Secure each of the two connectors to the KRK-6DH with two sems (N09-2166-05) (2) according to the installation condition of radio. Pass the control cables through the grooves at both ends of the KRK-6DH and secure the cables to the KRK-6DH with the cable fitting (J21-4354-04) and screws (N09-0335-05) (3) supplied with the KRK-6DH.
- 3. Secure the connectors of the control cables to displays 1 and 2 with two sems (N09-2166-05) (4).



DISASSEMBLY FOR REPAIR

1. Panel Disassembly Procedure (Fig. 1) Figure 1 shows the KRK-5 as an example.

- 1. Remove the four screws holding the interface unit (KRK-5, KRK-6DH: X46-3240) (1).
- 2. Unplug the connector (KRK-5 : CN1, KRK-6DH : CN1, CN2) from the interface unit.
- 3. Remove the five screws (2) holding the subpanel.
- 4. See Figure 1-a for how to install the lead with a connector (3).

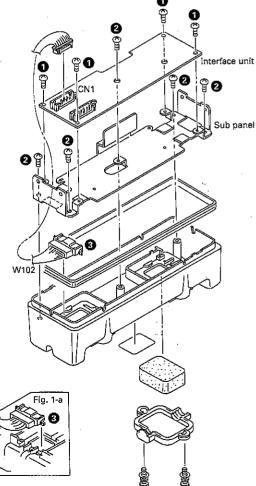
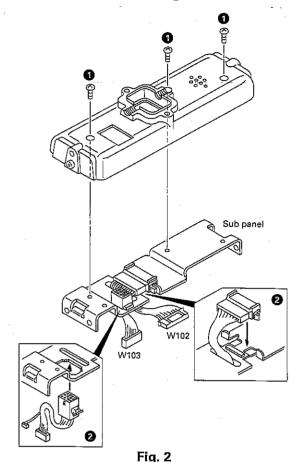


Fig. 1

DISASSEMBLY FOR REPAIR / CIRCUIT DESCRIPTION / DESCRIPTION OF COMPONENTS

2. Head Disassembly (Fig. 2)

- 1. Remove the three screws (1) holding the subpanel.
- 2. Unplug the connecting wire (2).



RADIO X46-3240-21

W501 CN4

CN5 IC7 IC6 IC5 CN2

Electronic AF AF AF P. A HEAD 2

IC2

SHIFT REGISTER

SW Q7

Fig. 1 Receiver block diagram

2. Transmitter circuit (Fig. 2)

When you press the PTT button on head 1 and talk into the microphone, the audio signal goes to the relay of K1 from CN1 pin 2 (MIC), and enters the radio from CN4 pin 2 (MIC). When you press the PTT button on head 2 and talk into the microphone, the audio signal goes to the relay of K2 from CN2 pin 2 (MIC2), and enters the radio from CN4 pin 2. K1 and K2 are controlled by IC2 (BU4094BCF).

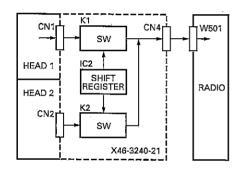


Fig. 2 Transmitter block diagram

CIRCUIT DESCRIPTION

1. Dual-Head Interface Unit: KRK-6DH

1-1. Receiver circuit (Fig. 1)

The audio signal received by the radio passes through CN4 pins 10 and 11 (RS1 and RS2) and CN5 pin 10 (AFO), and goes to the interface unit (X46-3240-21). RS1 and RS2 of CN4 only pass through the interface unit, and are connected directly to CN1 pins 10 and 11 (RS1 and RS2). AFO passes through the electronic volume of IC7 (M62363FP) and the signal goes to AF amp of IC6 (NJM4558M).

The signal entering IC5 (LA4446) is amplified by the AF power amplifier, and supplied from CN2 pin 10 (RS1) to head 2. Q7 (DTC363EK) is controlled by the shift register of IC2 (BU4094BCF) for audio muting .

DESCRIPTION OF COMPONENTS

INTERFACE UNIT (X46-3240-21): KRK-6DH

		2 (
Ref. No.	Part No.	Operation/Condition
K1,2	MIC control	K1 and K2 off when Head 1 PTT SW on.
		K1 and K2 on when Head 2 PTT SW on.
		K1 and K2 off when Standby.
IC2	Shift register	
IC4	Analog switch	On when use TX audio monitor
		with talk Interrupt.
IC5,6	AF amplifier	
IC7	Electronic volume	
Q2,6,8	DC switch	
Ω7	Muting switch	-
D2,3	Surge absorption	
D4	Surge absorption	On when 5V or more, and 0V or less.

PARTS LIST

*New Parts. riangle indicates safety critical components.

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

L: Scandinavia

K: USA

P : Canada E : Europe

Y: PX (Far East, Hawaii) Y: AAFES (Europe)

T: England X: Australia

M: Other Areas

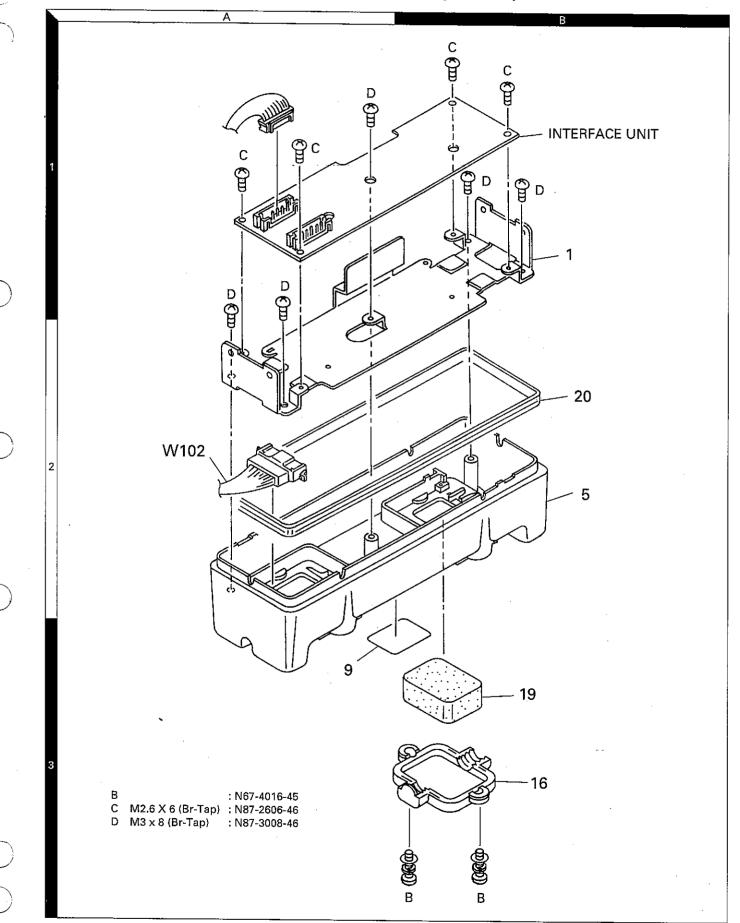
KRK-5/6DH

Ref. No.	Address	New	3240-XX) Parts No.	Description	Desti- nation
	ψ	parts]	KRK	-5/6DH	
	1B,2D	*	A22-2003-03	SUB PANEL	T
i	18,20 2F	*	A22-2003-03 A22-2004-03	SUB PANEL (HEAD))	
2	1	*	A62-0608-02	PANEL	1
5	2B,3D	*	A82-0031-02	REAR PANEL	
3	1F	~	A02-003 1-02	THE STATE OF THE S	1
7	2H,2J	*	B09-0393-04	CAP ACSY	1
7	ZH,ZJ		B42-3317-04	LABEL (S/NO)	
3		*	B42-5820-04	MODEL NAME PLATE	5
9	3A	*	B42-5B21-04	MODEL NAME PLATE	l _{6DH}
9	3D	*	R62-0993-00	INSTRUCTION MANUAL	
10	1H,1J	- -	B87-0989-00	THAT THE STORY WATER	
15/4 04	10.21		E30-3085-05	GROUND LEAD WIRE ACSY	
W101	16,21		E37-0166-05	CONNECTING WIRE (11P)	ļ
W102	2A,3C,2E	*	E37-0743-05	CONNECTING WIRE (ACC 12P)	1
W103	3E			CONNECTING WIRE (UNIT 10P)	6DH
W104	1C	*	E37-0786-05	SQUARE PLUG ACSY	1
15	2H,2J	*	E59-0404-05	GEDARL (EUG AGG)	
16	3B	*	F07-1479-03	COVER	
				CLAT EDDING (ALIDIO ANAD)	BDH
17	1C		GD2-0574-04	FLAT SPRING (AUDIO AMP)	חחם
18	2E		G13-0864-04	CUSHION	
19	3B	*	G13-1684-04	CUSHION	enu.
20	2B,2D		G53-0838-03	PACKING (PANEL)	6DH
21	2H,2J	 *	H10-6620-02	POLYSTYRENE FOAMED FIXTURE	
21		*	H11-0893-04	POLYSTYRENE PLATE	
22	1H,11	^	1 1 1	PROTECTION BAG (60x110)	!
23	2H,2J	1	H25-0029-04	PROTECTION BAG (125x250)	1
24	1G,2l,2J		H25-0103-04	PROTECTION BAG (150x150)	
25	1G,2l		H25-0120-04	LUOTECTION DWG (Looy Lad)	
26	3G,31	*	H52-1256-04	ITEM CARTON BOX	
27	2H.2J		J21-4354-04	MOUNTING HARDWARE ACSY	
28	2H,1i	*	J29-0648-03	ANGLE BLACKET ACSY	
29	2H,2J		J61-0307-05	WIRE BAND ACSY	
		-		DRESSED SCREW ACSY	1
30	2H,2J		N08-0526-04	Dilicools dollars	
Α	1E,1F		N35-4006-45	BINDING HEAD MACHINE SCREW	5
В	3B		N67-4016-45	PANHEAD SEMS SCREW W	J
C	1A,1C		N87-2606-46	BRAZIER HEAD TAPTITE SCREW	
D	1A,2C		N87-3008-46	BRAZIER HEAD TAPTITE SCREW	
31	1G		N99-0361-05	SCREW SET ACSY	5
31	21		N99-0363-05	SCREW SET ACSY	6DH
				*	
INTE	RFAC	Eυ	NIT (X46-32	10-XX) -20 : KRK-5 -21 :	KRK-6D
C1,2			CK73GB1H102K	CHIP C 1000PF K	
C3			CC73GCH1H101J		
C5-7			CK73GB1H102K	CHIP C 1000PF K	
C10			CK73GB1H103K	CHIP C 0.010UF K	6DH
C11			CK73GB1H102K	CHIP C 1000PF K	6DH
				OLUD 0 40000T V	6DH
C13	1		CK73GB1H102K	CHIP C 1000PF K	
C15			CK73GB1H103K	CHIP C 0.010UF K	6DH
C17-19			CC73GCH1H101		6DH
C21			C92-0507-05	CHIP-TAN 4.7UF 6.3WV	6DH
C26			C92-0040-05	CHIP-ELE 47UF 16WV	6DH
1	1			ELECTRO 100UF 16WV	6DH
C27			C92-1341-05		

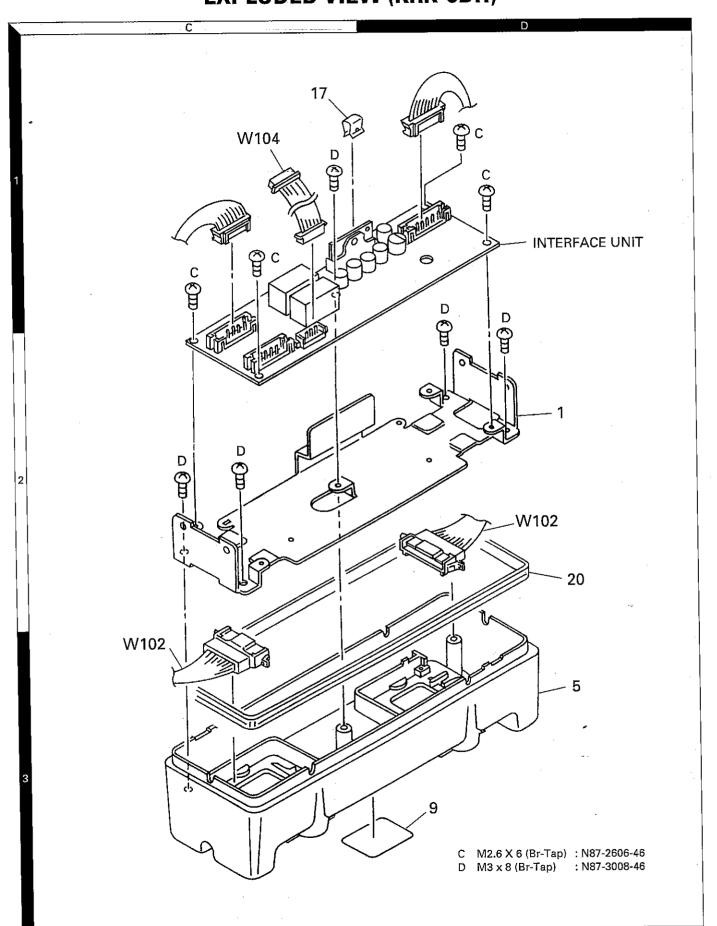
C28	6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1C104K	6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH
C92-0040-05	6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH
C32-0658-05	6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1C104K CHIP C 0.10UF K CK73GB1C104K CHIP C 1000PF K CK73GB1C104K CHIP C 1000PF K CK73GB1C104K CHIP C 1000PF K CK36B CK73GB1C104K CHIP C 1000PF K CX37,38 CK73GB1C104K CHIP C 1000PF K CX37,38 CK73GB1C104K CHIP C 0.10UF K CX36B1C104K CHIP C 0.10UF K CX37GB1C104K CHIP C 0.10UF K CX2 CX3GCH1H103K CHIP C 0.010UF K CX40 C22-0567-05 CHIP-ELE 47UF 16WV CX42 CC73GCH1H101J CHIP C 100PF J CX42 CC73GCH1H101J CHIP C 100PF J CX42 CC73GCH1H101J CHIP C 100PF J CX42 CX3GCH1H101J CHIP C 100PF J CX44 E40-5953-05 PIN CONNECTOR (11P) E40-5953-05 PIN CONNECTOR (10P) L1.2 L40-1095-34 SMALL FIXED INDUCTOR (1UH) L1.2 L40-1095-34 SMALL FIXED INDUCTOR (1UH) L1.2 L40-1095-34 SMALL FIXED INDUCTOR (1UH) EXTERNAL FIXED INDUCTOR (1UH) RR7 RR7 RR73GB1J163J CHIP R 15K J 1/16W RR73GB1J123J CHIP R 12K J 1/16W RR73GB1J103J CHIP R 10D J 1/16W RR73GB1J103J CHIP R 15K J 1/16W RR73GB1J103J CHIP R 15K J 1/16W RR73GB1J103J CHIP R 15K J 1/16W RR22 RR3GB1J103J CHIP R 15K J 1/16W RR23 RR73GB1J103J CHIP R 15K J 1/16W RR26 RR21-1252-05 CHIP R 0 OHM RR27GB1J102J CHIP R 1.0K J 1/16W RR28 RR2-1252-05 CHIP R 0 OHM RR28 RR2-1252-05 CHIP R 0 OHM RR28 RR73GB1J102J CHIP R 1.0K J 1/16W RR32 CHIP R 1.0K J 1/16W	6DH 6DH 6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1H102K CHIP C 1000PF K CK73GB1C104K CHIP C 0.10UF K C336 CK73GB1H102K CHIP C 1000PF K C37,38 CK73GB1C104K CHIP C 0.10UF K C37,38 CK73GB1C104K CHIP C 0.10UF K C37,38 CK73GB1C104K CHIP C 0.10UF K C37,38 CK73GB1H103K CHIP C 0.10UF K C40 C92-0040-05 CHIP-ELE 47UF 16WV C41 C92-0567-05 CHIP-TAN 68UF 6.3WV C42 CC73GCH1H101J CHIP C 100PF J CN1 E40-5953-05 PIN CONNECTOR (11P) E40-5	6DH 6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1C104K CK73GB1H102K CK73GB1H102K CHIP C 1000PF CC73GB1H103K CHIP C 0.10UF CC73GB1H103K C 0.10UF CC73GB1H103K C 0.10UF CC73GB1H103K C 0.10UF C	6DH 6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1C104K CK73GB1C104K CK73GB1H102K CHIP C C C C C C	6DH 6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1H102K	6DH 6DH 6DH 6DH 6DH 6DH
CK73GB1C104K CK73GB1H103K CHIP C 0.10UF CC73GB1H103K CHIP C 0.010UF CC73GB1H103K CHIP C 0.010UF CC73GB1H103K CHIP-ELE CD10UF CD2-0567-05 CHIP-ELE CD2-0567-05 CHIP-TAN CD3F CC73GCH1H101J CHIP C CD3F CD7	6DH 6DH 6DH 6DH 6DH
CK73GB1H103K	6DH 6DH 6DH 6DH
C40 C41 C92-0567-05 CHIP-ELE 47UF 16WV C92-0567-05 CHIP-TAN 68UF 6.3WV CC73GCH1H101J CHIP C 100PF J CN1 E40-5953-05 PIN CONNECTOR (11P) E40-5953-05 PIN CONNECTOR (11P) E40-5953-05 PIN CONNECTOR (11P) E40-5953-05 PIN CONNECTOR (11P) E40-5951-05 PIN CONNECTOR (11P) E40-5951-05 PIN CONNECTOR (11P) E40-1095-34 SMALL FIXED INDUCTOR (11H) L12,13 L40-1095-34 SMALL FIXED INDUCTOR (11H) E112,13 E113 E12,13 E13 E140-1095-34 SMALL FIXED INDUCTOR (11H) E140-1095-34 SMALL FIXED INDUCTOR (11H) E17 E18 E19 E19 E19 E19 E10	6DH 6DH 6DH
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C41 C92-0567-05 CC73GCH1H101J CHIP C 100PF J CN1 CN2 CN1 E40-5953-05 E40-5953-05 E40-5953-05 E40-5953-05 E40-5953-05 E40-5953-05 E40-5953-05 E40-5953-05 E40-5953-05 PIN CONNECTOR (11P) E40-5951-05 PIN CONNECTOR (11P) E40-5951-05 PIN CONNECTOR (11P) E40-1095-34 L40-1095-34 SMALL FIXED INDUCTOR (1UH) L12,13 E40-1095-34 SMALL FIXED INDUCTOR (1UH) SMALL FIXED INDUCTOR (1UH) E40-1095-34 SMALL FIXED INDUCTOR (1UH) E40-1095-34 CHIP R 15K J 1/16W RK73GB1J153J CHIP R 12K J 1/16W RK73GB1J123J CHIP R 12K J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RK73GB1J4R7J CHIP R 4.7 J 1/16W RK73GB1J4R7J CHIP R 4.7 J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RS2-1252-05 CHIP R 0 0HM RS2-1252-05 CHIP R 0 0HM RS2-1252-05 CHIP R 1.0K J 1/16W	6DH 6DH
CC73GCH1H101J CHIP C 100PF J CN1	6DH
CN1 CN2 CN2 CN4 CN4 CN5 CN4 CN5 CN5 CN5 CN6 CN5 CN6 CN5 CN6 CN6 CN7 CN7 CN8 CN8 CN8 CN8 CN8 CN8 CN9 CN8 CN9	
CN2 CN4 CN4 CN5 CN4 CN5 CN4 CN5 E40-5953-05 E40-5953-05 E40-5951-05 PIN CONNECTOR (11P) PIN CONNECTOR (10P) L1,2 L10,11 L40-1095-34 SMALL FIXED INDUCTOR (1UH) SMALL FIXED INDUCTOR (1UH) SMALL FIXED INDUCTOR (1UH) R7 R8 R7 R8 R7 R8 R7 R7 R8 R7 R8 R7 R8 R7 R7 R9 R7 R7 R1 R7 R7 R1 R7 R7 R1 R7 R7 R1 R7 R7 R8 R7 R7 R8 R7 R8 R7 R8 R1 R1 R8 R7 R8 R7 R8 R1 R8 R7 R8 R8 R8 R8 R8 R8 R9 R1 R8 R9 R1 R8 R8 R9 R9 R1 R8 R9 R9 R1 R8 R9 R9 R9 R1 R8 R9 R9 R1 R8 R9 R9 R1 R8 R9 R9 R9 R1 R8 R9 R9 R1 R8 R8 R9 R1 R8 R8 R9 R1 R8 R9 R1 R8 R8 R9 R1 R8 R8 R8 R9 R1 R8 R8 R8 R9 R1 R8 R8 R9 R1 R8 R8 R8 R9 R1 R8	6DH
CN2 CN4 CN4 CN5 CN4 CN5 CN4 CN5 E40-5953-05 E40-5953-05 E40-5951-05 PIN CONNECTOR (11P) PIN CONNECTOR (10P) L1,2 L10,11 L40-1095-34 SMALL FIXED INDUCTOR (1UH) SMALL FIXED INDUCTOR (1UH) SMALL FIXED INDUCTOR (1UH) R7 R8 R7 R8 R7 R8 R7 R7 R8 R7 R8 R7 R8 R7 R7 R9 R7 R7 R1 R7 R7 R1 R7 R7 R1 R7 R7 R1 R7 R7 R8 R7 R7 R8 R7 R8 R7 R8 R1 R1 R8 R7 R8 R7 R8 R1 R8 R7 R8 R8 R8 R8 R8 R8 R9 R1 R8 R9 R1 R8 R8 R9 R9 R1 R8 R9 R9 R1 R8 R9 R9 R9 R1 R8 R9 R9 R1 R8 R9 R9 R1 R8 R9 R9 R9 R1 R8 R9 R9 R1 R8 R8 R9 R1 R8 R8 R9 R1 R8 R9 R1 R8 R8 R9 R1 R8 R8 R8 R9 R1 R8 R8 R8 R9 R1 R8 R8 R9 R1 R8 R8 R8 R9 R1 R8	6DH
E40-5953-05	6DH
CN4 E40-5953-05 PIN CONNECTOR (11P) CN5 E40-5951-05 PIN CONNECTOR (11P) L1,2 L40-1095-34 SMALL FIXED INDUCTOR (1UH) L10,11 L40-1095-34 SMALL FIXED INDUCTOR (1UH) L12,13 L40-1095-34 SMALL FIXED INDUCTOR (1UH) R7 RK73GB1J153J CHIP R 15K J 1/16W R9 RK73GB1J123J CHIP R 12K J 1/16W R11 RK73GB1J224J CHIP R 10C J 1/16W R13 RK73GB1J224J CHIP R 10O J 1/16W R14 RK73GB1J4R7J CHIP R 10C J 1/16W R14 RK73GB1J103J CHIP R 10K J 1/16W R16,22 RK73GB1J103J CHIP R 10K J 1/16W R19,20 RK73GB1J103J CHIP R 10C J 1/16W R21 RK73GB1J473J CHIP R 15K J 1/16W R22 RK73GB1J473J <	1
E40-5951-05 PIN CONNECTOR (10P)	1
L1.2 L10.11 L12.13 L40-1095-34 L40-1095-34 L40-1095-34 L40-1095-34 SMALL FIXED INDUCTOR (1UH) L12.13 R7 R8 RK73GB1J153J CHIP R 15K J 1/16W R8 RK73GB1J123J CHIP R 12K J 1/16W R13 RK73GB1J123J CHIP R 12K J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RK73GB1J477J CHIP R 4.7 J 1/16W RK73GB1J103J CHIP R 100 J 1/16W RK73GB1J153J CHIP R 15K J 1/16W RP2-1252-05 CHIP R 0 0 0 HM RP2-1252-05 CHIP R 0 0 O HM RP2-1252-05 CHIP R 0 O O HM RP2-1252-05 CHIP R 0 O HM RP2-1252-05 CHIP R 0 O HM RP2-1252-05 CHIP R 1.0K J 1/16W RP3-1252-05 CHIP R 1.0K J 1/16W	6DH
L40-1095-34 SMALL FIXED INDUCTOR (1UH)	
L10,11	6DH
L40-1095-34 SMALL FIXED INDUCTOR (1UH)	5
R7 R9 R8 RK73GB1J153J CHIP R 15K J 1/16W RK73GB1J123J CHIP R 12K J 1/16W RK73GB1J224J CHIP R 220K J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RK73GB1J4R7J CHIP R 4.7 J 1/16W RK73GB1J4R7J CHIP R 100 J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RK73GB1J32J CHIP R 100 J 1/16W RK73GB1J332J CHIP R 3.3K J 1/16W RK73GB1J153J CHIP R 3.3K J 1/16W RK73GB1J153J CHIP R 15K J 1/16W RS2-1252-05 CHIP R 0 OHM RS2-1252-05 CHIP R 1.0K J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.0K CHI	6DH
R9 RK73GBIJ123J CHIP R 12K J 1/16W R11 RK73GBIJ224J CHIP R 220K J 1/16W R13 RK73GBIJ101J CHIP R 100 J 1/16W R14 RK73GBIJ4R7J CHIP R 100 J 1/16W R16,22 RK73GBIJ103J CHIP R 10K J 1/16W R18 RK73GBIJ101J CHIP R 10O J 1/16W R19,20 RK73GBIJ332J CHIP R 3.3K J 1/16W R21 RK73GBIJ153J CHIP R 15K J 1/16W R23 R92-1252-05 CHIP R 0 OHM D 1/16W R25 RK73GBIJ473J CHIP R 47K J 1/16W R26 R92-1252-05 CHIP R 0 OHM D 1/16W R28 R92-1252-05 CHIP R 0 OHM D 1/16W R31 RK73GBIJ102J CHIP R 1.0K J 1/16W	1
R9 RK73GBIJ123J CHIP R 12K J 1/16W R11 RK73GBIJ224J CHIP R 220K J 1/16W R13 RK73GBIJ101J CHIP R 100 J 1/16W R14 RK73GBIJ4R7J CHIP R 100 J 1/16W R16,22 RK73GBIJ103J CHIP R 10K J 1/16W R18 RK73GBIJ101J CHIP R 10O J 1/16W R19,20 RK73GBIJ332J CHIP R 3.3K J 1/16W R21 RK73GBIJ153J CHIP R 15K J 1/16W R23 R92-1252-05 CHIP R 0 OHM D 1/16W R25 RK73GBIJ473J CHIP R 47K J 1/16W R26 R92-1252-05 CHIP R 0 OHM D 1/16W R28 R92-1252-05 CHIP R 0 OHM D 1/16W R31 RK73GBIJ102J CHIP R 1.0K J 1/16W	6DH
R11 RK73GBIJ224J CHIP R 220K J 1/16W R13 RK73GBIJ101J CHIP R 100 J 1/16W R14 RK73GBIJ4R7J CHIP R 100 J 1/16W R16,22 RK73GB1J103J CHIP R 4.7 J 1/16W R18 RK73GB1J103J CHIP R 100 J 1/16W R19,20 RK73GB1J332J CHIP R 100 J 1/16W R21 RK73GB1J153J CHIP R 15K J 1/16W R23 R92-1252-05 CHIP R 0 OHM CHIP R 0 OHM R25 R573GB1J473J CHIP R 47K J 1/16W R26 R92-1252-05 CHIP R 0 OHM R R28 R92-1252-05 CHIP R 0 OHM R31 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R13	6DH
R14 RK73GB1J4R7J CHIP R 4.7 J 1/16W R16,22 RK73GB1J103J CHIP R 10K J 1/16W R19,20 RK73GB1J101J CHIP R 100 J 1/16W R19,20 RK73GB1J332J CHIP R 3.3K J 1/16W R21 RK73GB1J153J CHIP R 15K J 1/16W R23 R92-1252-05 CHIP R 0 0HM R25 R873GB1J473J CHIP R 47K J 1/16W R92-1252-05 CHIP R 0 0HM R26 R92-1252-05 CHIP R 0 0HM R27 R88 R892-1252-05 CHIP R 0 0HM R28 R892-1252-05 CHIP R 0 0HM R31 R873GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R16,22 RK73GB1J103J CHIP R 10K J 1/16W RK73GB1J101J CHIP R 100 J 1/16W RK73GB1J32J CHIP R 3.3K J 1/16W RK73GB1J163J CHIP R 15K J 1/16W RS2-1252-05 CHIP R 0 OHM RS2-1252-05 CHIP R 1.0K J 1/16W RS2-1252-05 CHIP R 1.2K J 1/16W RS2-1252-05 CHIP R 1.2	1
R18 RK73GB1J101J CHIP R 100 J 1/16W R19,20 RK73GB1J332J CHIP R 3.3K J 1/16W R21 RK73GB1J153J CHIP R 15K J 1/16W R23 R92-1252-05 CHIP R D OHM D	6DH
R18 R19,20 RK73GB1J101J RK73GB1J332J RK73GB1J332J RK73GB1J153J RE21 RK73GB1J153J RB2-1252-05 CHIP R D OHM R25 R26 R27 R27 R27 R28 R27 R28 R292-1252-05 CHIP R D OHM R292-1252-05 CHIP R D OHM R292-1252-05 CHIP R D OHM R32-1252-05 CHIP R D OHM R473GB1J102J CHIP R D OHM R52-1252-05 CHIP R D OHM R53-1252-05 CHIP R D OHM	CDII
R19,20 RK73GB1J332J CHIP R 3.3K J 1/16W R21 RK73GB1J153J CHIP R 15K J 1/16W R23 R92-1252-05 CHIP R 0 OHM R25 RK73GB1J473J CHIP R 47K J 1/16W R26 R92-1252-05 CHIP R 0 OHM R92-1252-05 CHIP R 0 OHM R28 R92-1252-05 CHIP R 0 OHM RK73GB1J102J CHIP R 1.0K J 1/16W R31 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R21 RK73GB1J153J CHIP R 15K J 1/16W R92-1252-05 CHIP R 0 0HM R931 RK73GB1J102J CHIP R 1.0K J 1/16W RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R25 R52-1252-05 CHIP R 0 0HM R25 RK73GB1J473J CHIP R 47K J 1/16W R26 R92-1252-05 CHIP R 0 0HM R92-1252-05 CHIP R 0 0HM R91 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R25 RK73GB1J473J CHIP R 47K J 1/16W R92-1252-05 CHIP R 0 0HM R92-1252-05 CHIP R 0 0HM R92-1252-05 CHIP R 0 0HM R831 RK73GB1J102J CHIP R 1.0K J 1/16W RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R26 R92-1252-05 CHIP R 0 OHM R28 R92-1252-05 CHIP R 0 OHM R31 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R26 R92-1252-05 CHIP R 0 OHM R28 R92-1252-05 CHIP R 0 OHM R31 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	
R28 R92-1252-05 CHIP R 0 OHM R31 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R28 R92-1252-05 CHIP R 0 OHM R31 RK73GB1J102J CHIP R 1.0K J 1/16W R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R31 RK73GB1J102J CHIP R 1.0K J 1/16W RS2 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
R32 RK73GB1J122J CHIP R 1.2K J 1/16W	6DH
	6DH
\ \ \ \ \ \	1
R33 R92-1252-05 CHIPR 0 OHM	-
R35 RK73GB1J102J CHIP R 1.0K J 1/16W	6DH
R36 R92-1252-05 CHIPR 0 OHM	3511
100 102-1232-03 GHIFTE D OFFINE	
K1,2 S76-0018-05 RELAY (12V)	6DH
100	an.
D2,3 1SS355 DIODE	6DH
D4 DA204K DIODE	6DH
IC2 BU4094BCF IC (8-STAGE SHIFT/STORE)	6DH
IC4 BU4S66 IC (ANALOG SWITCH)	6DH
IC5 LA4446 IC (AF POWER AMP)	6DH
	ļ
1C6 NJM4558M IC (OP AMP X2)	6DH
IC7 M62363FP IC (8bit D/A CONVERTER)	6DH
02 DTC114EK TRANSISTOR	6DH
G6 DTC114EK TRANSISTOR	BDH
	6DH
Q7 DTC363EK TRANSISTOR	John
Q8 DTC114EK TRANSISTOR	BDH
Q0 DTGTI4EK IMANGIGROT	10011
	- 1

: KRK-5 6DH: KRK-6DH

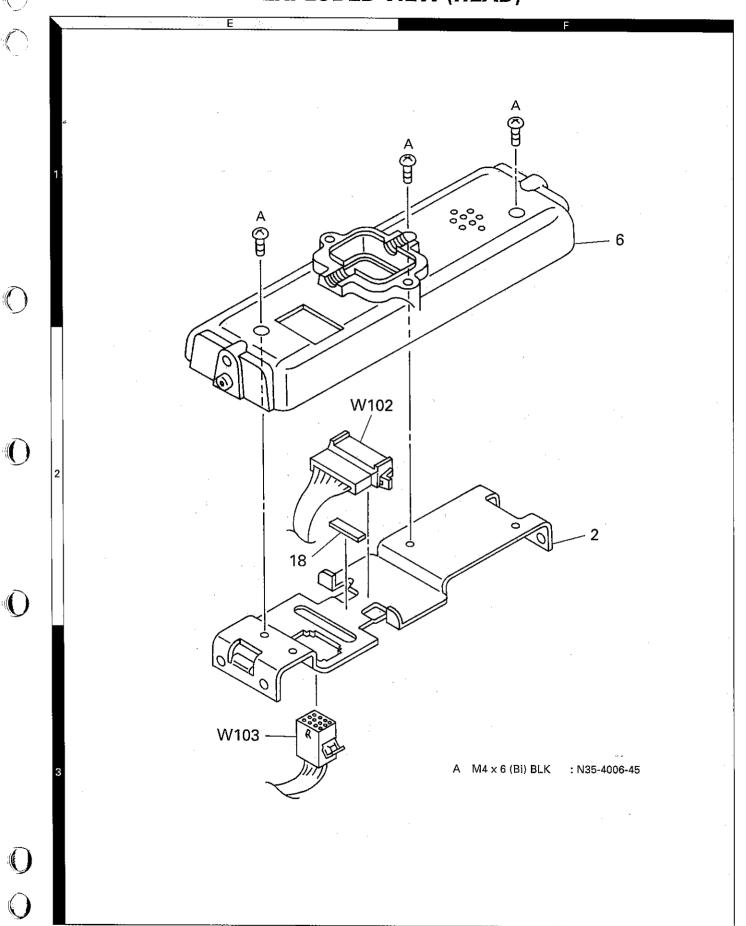
EXPLODED VIEW (KRK-5)



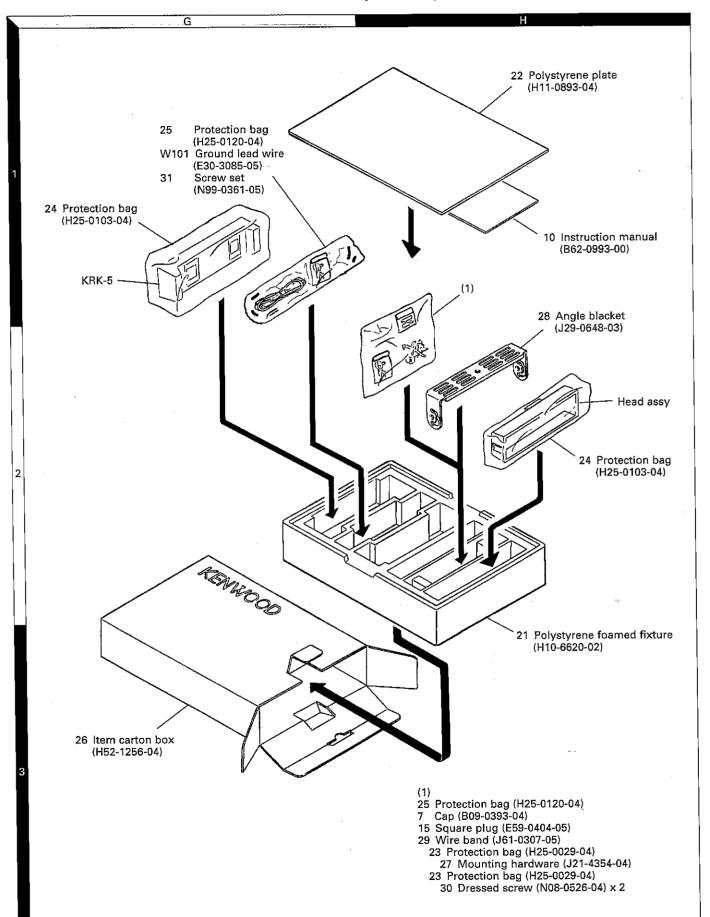
EXPLODED VIEW (KRK-6DH)



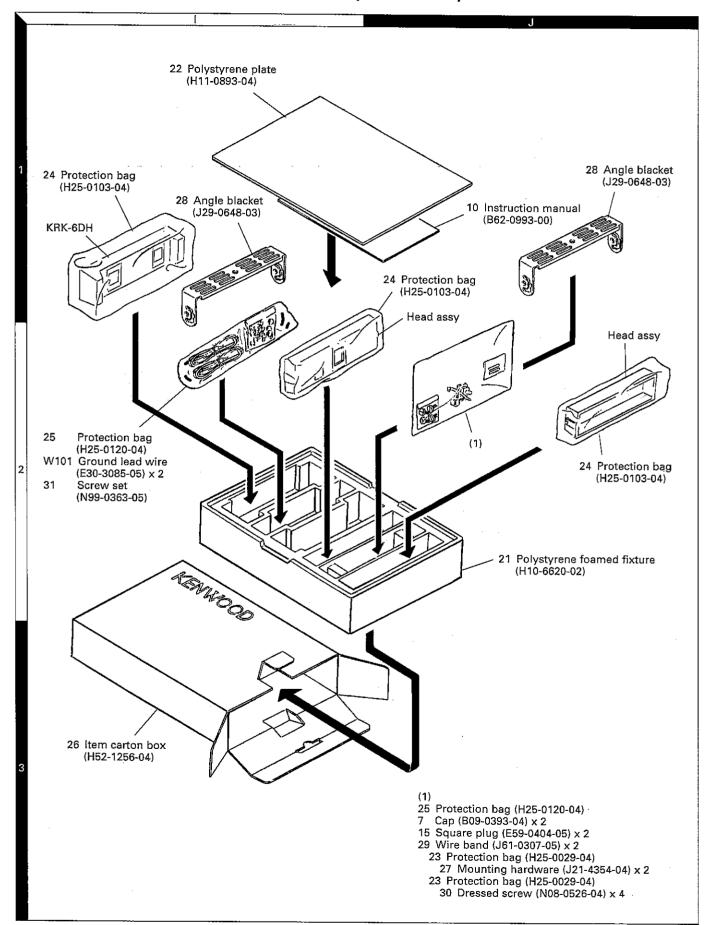
EXPLODED VIEW (HEAD)



PACKING (KRK-5)



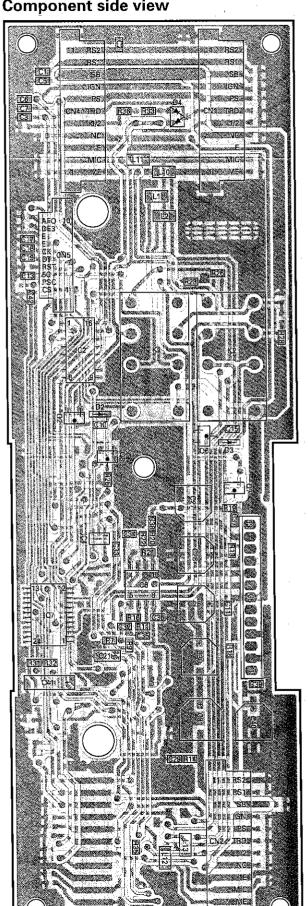
PACKING (KRK-6DH)



KRK-5/6DI **PC BOARD VIEW**

INTERFACE UNIT (X46-3240-XX) -20 : KRK-5 -21 : KRK-6DH

Component side view



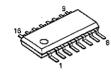
DTC114EK DTC363EK



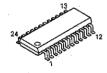
NJM4558M



BU4094BCF



M62363FP



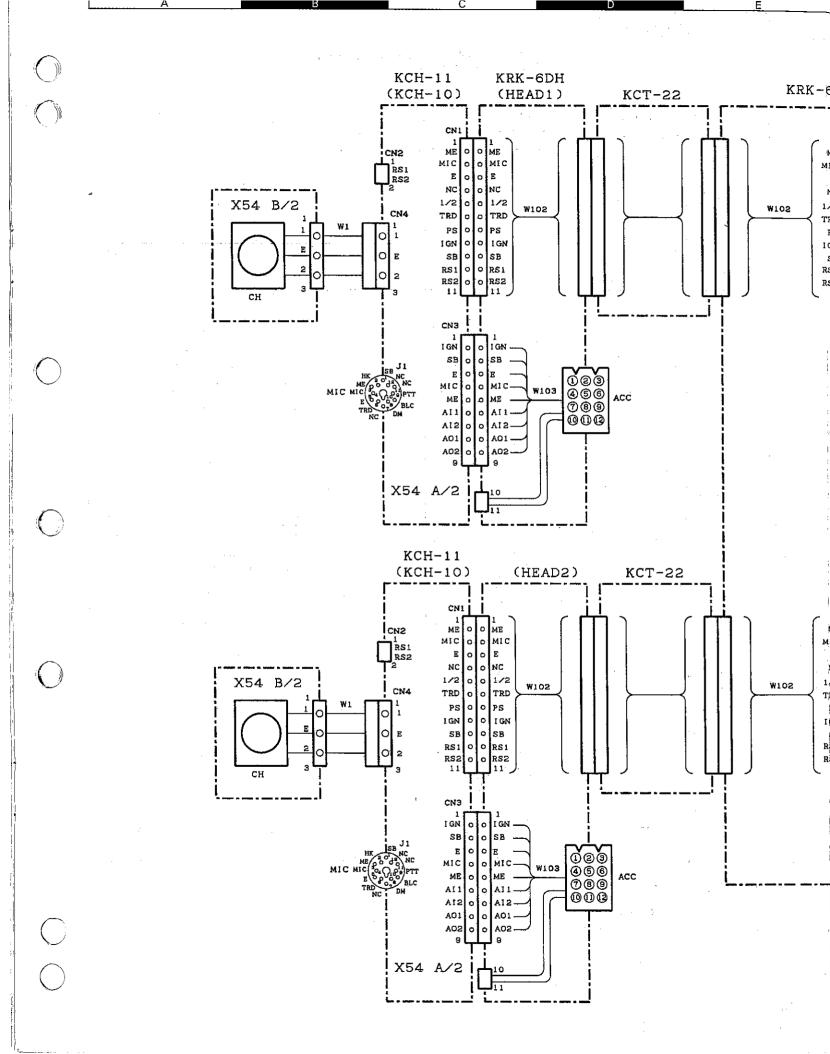
BU4S66

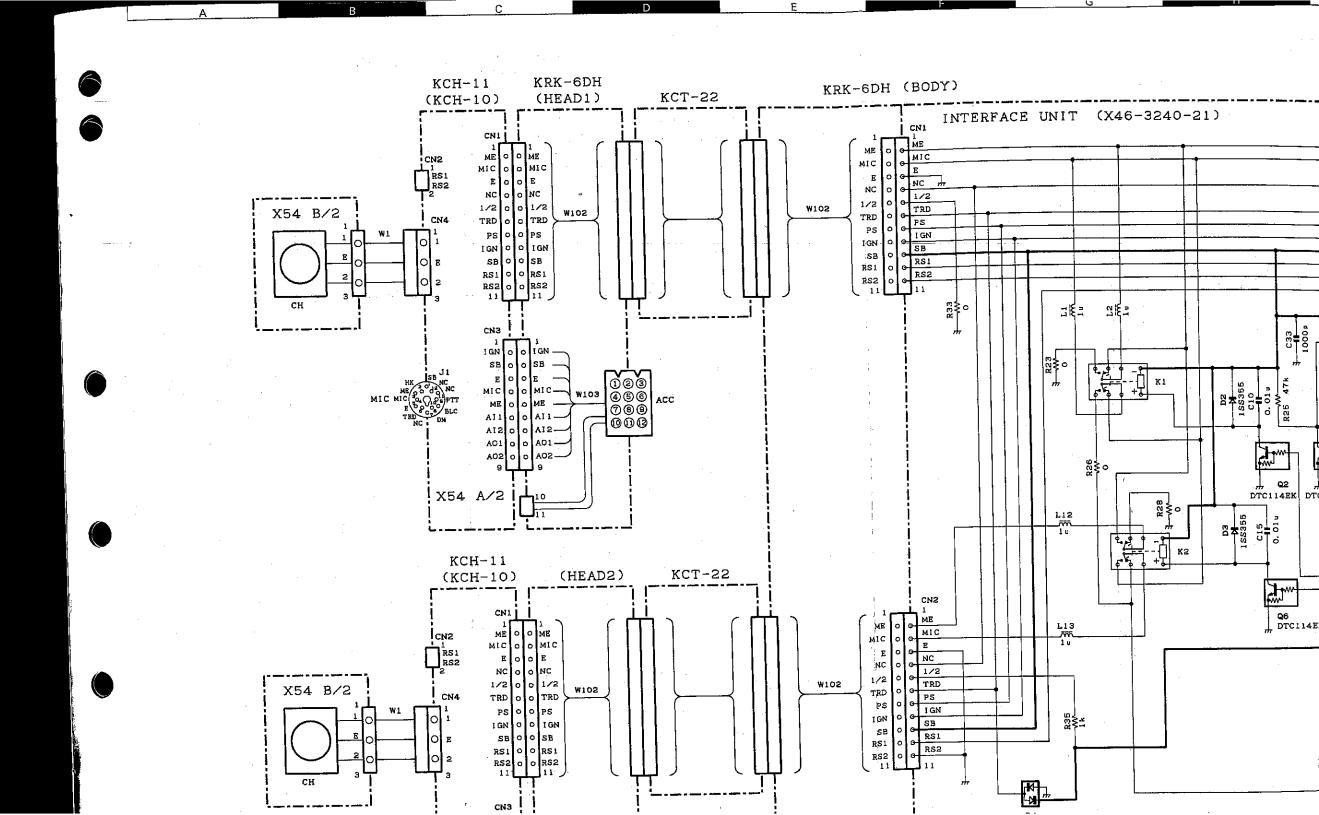


LA4446

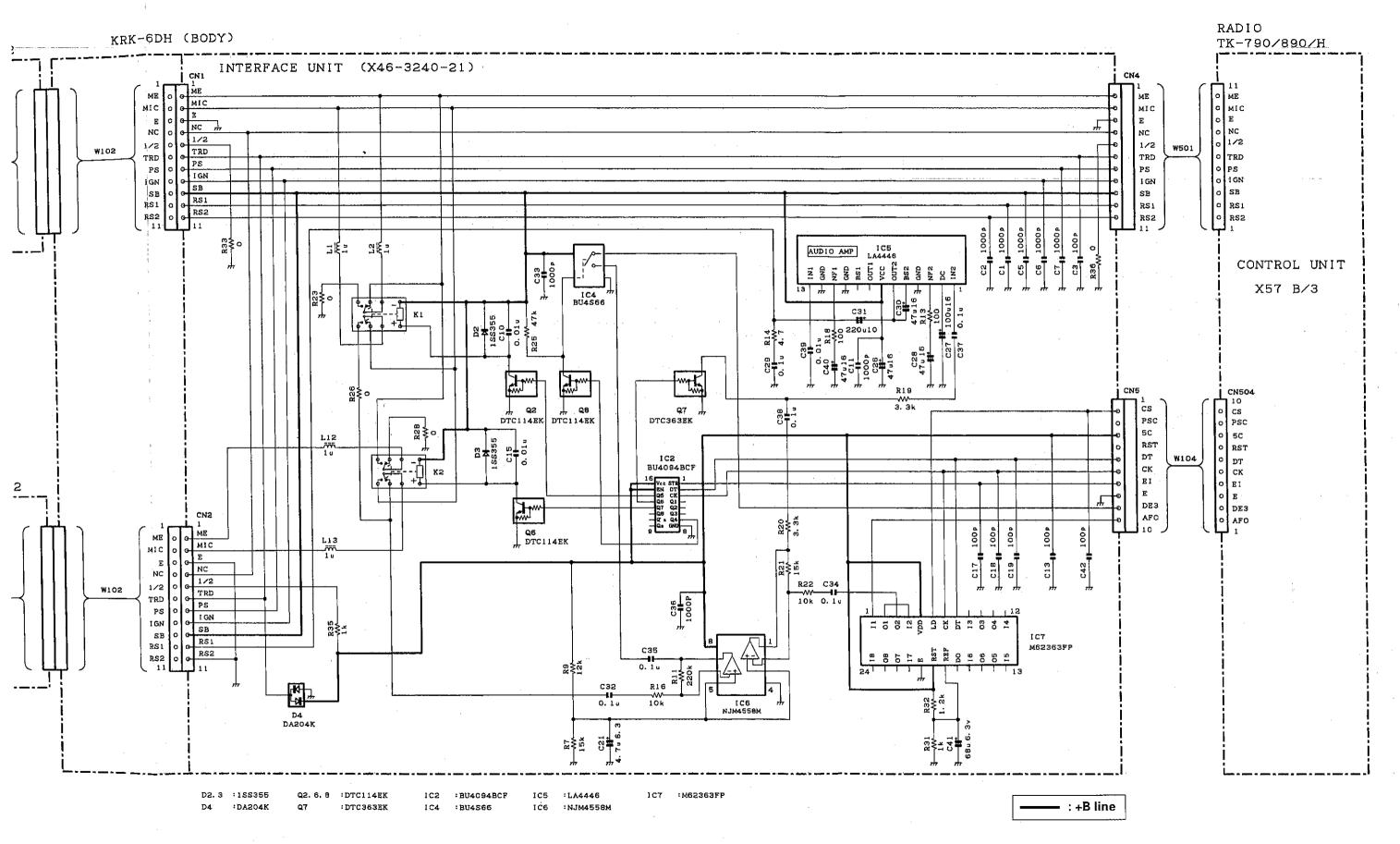




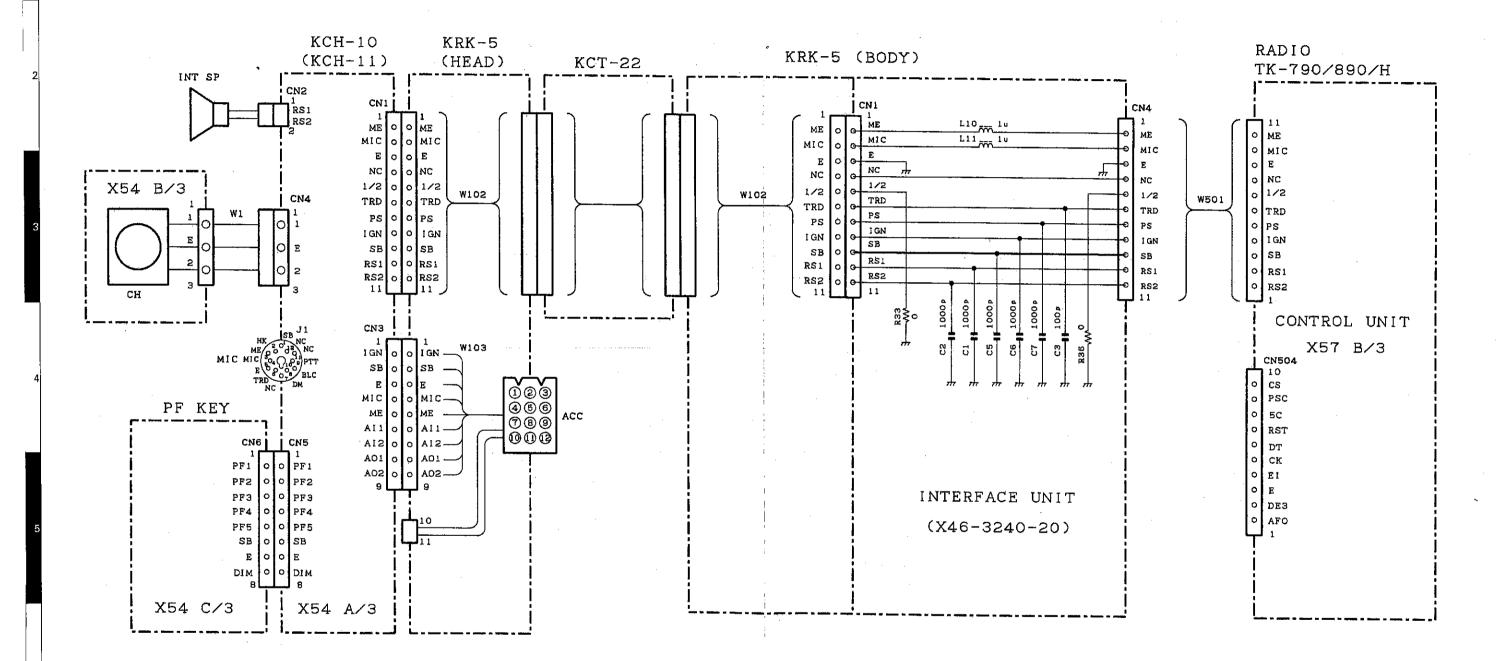




SCHEMATIC DIAGRAM KRK-6DH



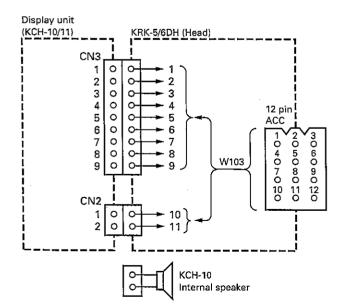
KRK-5 SCHEMATIC DIAGRAM



TERMINAL FUNCTION

CN No.	Pin No.	Pin name	I/O	Function			
	INTERFACE UNIT (X46-3240-XX)						
-20 : KRK-5 -21 : KRK-6DH							
CN1	1	ME		MIC earth.			
To	2	MIC	1	MIC signal input.			
Remote	3	F	<u>'</u>	Earth.			
head 1	4	NC		Not used.			
11000	5	1/2	اما	Remote head 1 signal output.			
	6	TRD	1/0	RX/TX data input.			
	7	PS	"¡¯``	Power switch control signal input.			
	8	1GN		Ignition sense input.			
	9	SB	0	Power output after power switch (13.4V).			
	10	R\$1	0	Output for remote speaker.			
İ	11	RS2	0	Output for remote speaker.			
CN2	1	ME	-	MIC earth.			
(KRK-6DH	2	MIC	1	MIC signal output.			
only)	3	Е	-	Earth.			
То	4	NC	-	Not used.			
Remote	5	1/2	0	Remote head 2 signal output.			
head 2	6	TRD	1/0	RX data input/TX data output.			
	7	PS		Power switch control signal input.			
	8	IGN		Ignition sense input.			
	9	SB	Ŏ	Power output after power switch (13.4V).			
	10	RS1	0	Output for remote speaker,			
	11	RS2	0	Output for remote speaker.			
CN4	1	ME	-	MIC earth.			
То	2	MIC	0	MIC signal input.			
Control	3	E	-	Earth.			
section	4	NC	-	Not used.			
	5	1/2	-	Not used.			
	6	TRD	1/0	TX data output/RX data input.			
	7	PS	0	Power switch control signal output.			
	8	IGN	0	Ignition sense output.			
	9	SB	I I	Power output after power switch.			
	10	RS1		Input for remote speaker.			
	11	RS2		input for remote speaker.			

CN No.	Pin No.	Pin name	I/O	Function
CN5	1	CS	Π	Chip select input for D/A converter.
(KRK-6DH	2	PSC	-	Not used.
only)	3	5C	1	Common 5V input.
То	4	RST		Not used.
Control	5	DT	1	Data input.
cable	6	СК]	Clock input.
	7	E1		Enable input for shift register.
	8	E	-	Earth.
	9	DE3	0	MIC signal output for interrupt.
	10	AFO	1	RX audio signal input for head 2.
W103	1	IGN		Ignition sense input.
(12 pin	2	SB	0	Power output after power switch
ACC				(13.4V±15%).
connector)	3	E	-	Earth.
	4.	MIC		MIC signal input.
	5	ME	-	MIC earth.
	6	Al1		Auxiliary input 1 (FPU selectable).
	7	Al2	١.	Open: OFF, "L": ON, Input: Max. 5V
	'	AlZ		Auxiliary input 2 (FPU selectable).
	8	AO1	0	Open: OFF, "L": ON, Input: Max. 5V Auxiliary output 1 (FPU selectable).
	ľ	AOI	"	Zo=1kΩ
				AUX A,B,C Key on: "L", Key off: HiZ
	-			TOR Signalling mismutch : "L"
				Signalling match : Hiz
	1			COR Not busy : "L", Busy : HiZ
	9	AO2	lo	Auxiliary output 2 (FPU selectable).
				Zo=1kΩ
			-	AUX A,B,C Key on: "L", Key off: HiZ
				TOR Signalling mismutch: "L"
				Signalling match : Hiz
				COR Not busy: "L", Busy: HiZ
1	10	RS1	0	Remote speaker output.
	11	RS2	0	Remote speaker output.
	12	NC	-	Non connection.



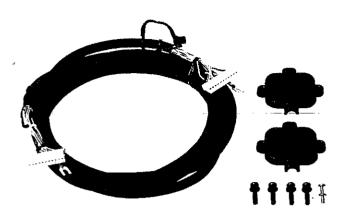
If the KCH-10 is used

If the external speaker is connected to the 12-pin accessory connector, cut the internal speaker wire at the base of the speaker.

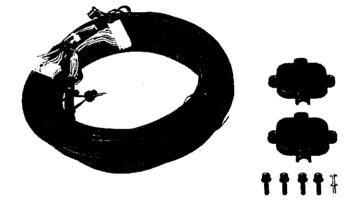
If the internal speaker is used, cut the wire connected to pins 10 and 11 of the 12-pin accessory connector at the base of the connector.

KCT-22 (CONTROL CABLE)

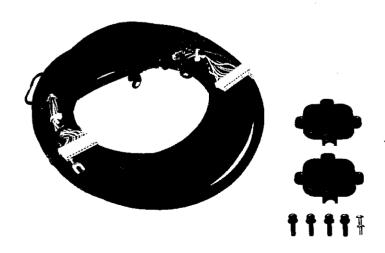
KCT-22M (8 feet)



KCT-22M2 (17 feet)



KCT-22M3 (25 feet)



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