PARTS LIST

DISPLAY UNIT (X54-3490-20)
KCH-15 (Y60-4060-20)
DISPLAY UNIT (X54-3500-20)

Ref. No.	Address	New parts	Parts No.	Description	Destination
R28 -30			R92-0670-05	CHIP R 0 OHM	
R32 -34			RK73GB1J473J	CHIP R 47K J 1/16W	
R35			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R36			RK73GB1J474J	CHIP R 470K J 1/16W	
R37			RK73GB1J331J	CHIP R 330 J 1/16W	
R38			RK73GB1J181J	CHIP R 180 J 1/16W	
R40		*	RK73PB2H681J	CHIP R 680 J 1/2W	
R42		*	RK73PB2H821J	CHIP R 820 J 1/2W	
R43 ,44			RK73GB1J473J	CHIP R 47K J 1/16W	
R46 -49			RK73GB1J473J	CHIP R 47K J 1/16W	
R56 -60			RK73GB1J473J	CHIP R 47K J 1/16W	
R61 -65			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R66 ,67			RK73GB1J473J	CHIP R 47K J 1/16W	
R69 ,70			RK73GB1J333J	CHIP R 33K J 1/16W	
R71			RK73FB2A391J	CHIP R 390 J 1/10W	
R72			RK73FB2A151J	CHIP R 150 J 1/10W	
R74			R92-0670-05	CHIP R 0 OHM	
R75			RK73GB1J220J	CHIP R 22 J 1/16W	
R76 ,77			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R78			R92-1252-05	CHIP R 0 OHM J 1/16W	
R79			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R80			RS14DB3D2R2J	FL-PROOF RS 2.2 J 2W	
R81			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R82 ,83			RK73GB1J102J	CHIP R 1.0K J 1/16W	
VR1			R31-0607-05	VARIABLE RESISTOR(10K)	
S1			S40-1420-05	TACT SWITCH	
S2 ,3		*	S70-0502-05	TACT SWITCH	
S8 -10		*	S70-0502-05	TACT SWITCH	
S14 ,15		*	S70-0502-05	TACT SWITCH	
D1 ,2			1SS355	DIODE	
D5 ,6			DA204U	DIODE	
D10			02CZ9.1(X,Y)	ZENER DIODE	
D11			AVRM1608270MAB	VARISTOR	
D16			1SS301	DIODE	
D18			MINISMDC020	VARISTOR	
D19 -22			AVRM1608270MAB	VARISTOR	
D23			MAYS062	ZENER DIODE	
D24 -26			AVRM1608270MAB	VARISTOR	
IC1			TA7805F	MOS-IC	
IC3		*	30302M84Z2GP	MICROPROCESSOR IC	
Q1 ,2			2SD2114K(W)	TRANSISTOR	
Q3			DTC144EUA	DIGITAL TRANSISTOR	
Q4			2SK1824	FET	
Q5			2SC2873(Y)	TRANSISTOR	
Q6 ,7			DTC114TE	DIGITAL TRANSISTOR	
Q8 ,9			DTC144EUA	DIGITAL TRANSISTOR	
Q11			DTC144EUA	DIGITAL TRANSISTOR	
Q13			DTC144EUA	DIGITAL TRANSISTOR	
Q14 -16			DTC144EE	DIGITAL TRANSISTOR	
Q17 -20			DTC114EE	DIGITAL TRANSISTOR	
S4	1B		W02-0393-05	ENCODER	
–			490-0160-05	ADHESIVE TAPE	

KCH-15

4	3C	*	A62-1119-03	PANEL ASSY(FULL)	
5	2C	*	B41-1852-14	CAUTION STICKER	
8	2C		G10-0775-04	FIBROUS SHEET(LCD ASSY)	
10	1D		G11-2663-04	SHEET(MIC JACK)	
11	3C	*	G11-4376-04	SHEET(PANEL ASSY)	
12	2C	*	G11-4380-14	SHEET	
13	2D	*	G11-4383-04	SHEET(SUB PANEL)	
14	2D	*	G11-4387-04	SHEET(CYLINDRICAL BOSS)	
15	2C,2D		G13-1713-04	CUSHION(LCD ASSY)	
16	2D	*	G13-2124-04	CUSHION(KEYTOP 5KEY)	
18	3D	*	G13-2125-14	CUSHION(KEYTOP 2KEY)	
19	2D	*	G13-2126-04	CUSHION(KEYTOP 2KEY)	
20	2C		G53-0838-13	PACKING(PANEL ASSY)	
23	3C		G53-1523-04	PACKING(VOL,CH KNOB)	
24	2D	*	G53-1670-04	PACKING(MIC JACK)	
26	2F	*	H12-3182-02	PACKING FIXTURE	
31	3F	*	H52-2109-02	ITEM CARTON CASE	
35	2D		J32-0942-04	CYLINDRICAL BOSS	
36	2D		J39-0625-04	SPACER(TX-BUSY)	
40	3C		K29-4664-04	KNOB(VOL,CH)	
41	1E		K29-4704-04	KNOB ACCESSORY	
42	1E		K29-5276-03	KNOB ACCESSORY	
43	1E		K29-5277-03	KNOB ACCESSORY	
44	1E		K29-5305-03	KNOB ACCESSORY	
46	2D	*	K29-9348-02	KEY TOP(FULL)	
47	1E	*	K29-9353-13	KNOB ACCESSORY	
48	1E	*	K29-9354-03	KNOB ACCESSORY	
49	1E	*	K29-9356-03	KNOB ACCESSORY	
B	2D		N82-3006-46	BINDING HEAD TAPTITE SCREW(SUB PANEL)	
C	2D		N87-2605-46	BRAZIER HEAD TAPTITE SCREW(TX-BUSY)	
E	1D		N87-2608-46	BRAZIER HEAD TAPTITE SCREW(PCB)	
50	1E		N99-0364-05	SCREW SET ACCESSORY	

DISPLAY UNIT (X54-3500-20) : KCH-15

D8 ,9			B30-2019-05	LED(RE/GR)	
ED1	2C	*	B38-0910-05	LCD ASSY	
C1 -3			CC73GCH1H101J	CHIP C 100PF J	
C4 ,5			CK73GB1H102K	CHIP C 1000PF K	
C6			CK73GB1E105K	CHIP C 1.0UF K	
C7			CK73GB1C104K	CHIP C 0.10UF K	
C8			CK73GB1E103K	CHIP C 0.010UF K	
C9 ,10			CC73GCH1H101J	CHIP C 100PF J	
C11			CK73GB1E103K	CHIP C 0.010UF K	
C12			CK73GB1H102K	CHIP C 1000PF K	
C13			CK73GB1E223K	CHIP C 0.022UF K	
C14			CC73GCH1H471J	CHIP C 470PF J	
C15			CK73GB1H102K	CHIP C 1000PF K	
C16			CC73GCH1H101J	CHIP C 100PF J	
C19			CC73GCH1H030C	CHIP C 3.0PF C	
C20 ,21			CC73GCH1H150J	CHIP C 15PF J	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24 -29			CC73GCH1H101J	CHIP C 100PF J	
C30 -32			CK73GB1H102K	CHIP C 1000PF K	
C33 -37			CC73GCH1H101J	CHIP C 100PF J	
C38 -44			CK73GB1H102K	CHIP C 1000PF K	
C45			CC73GCH1H101J	CHIP C 100PF J	
C46			CK73GB1C104K	CHIP C 0.10UF K	
C47			CK73GB1H102K	CHIP C 1000PF K	
C49			CK73GB1C104K	CHIP C 0.10UF K	
C50			CK73GB1H102K	CHIP C 1000PF K	
C51			CK73GB1C104K	CHIP C 0.10UF K	
C52			CK73GB1H102K	CHIP C 1000PF K	
C53			C92-0628-05	CHIP-TAN 10UF 10WV	

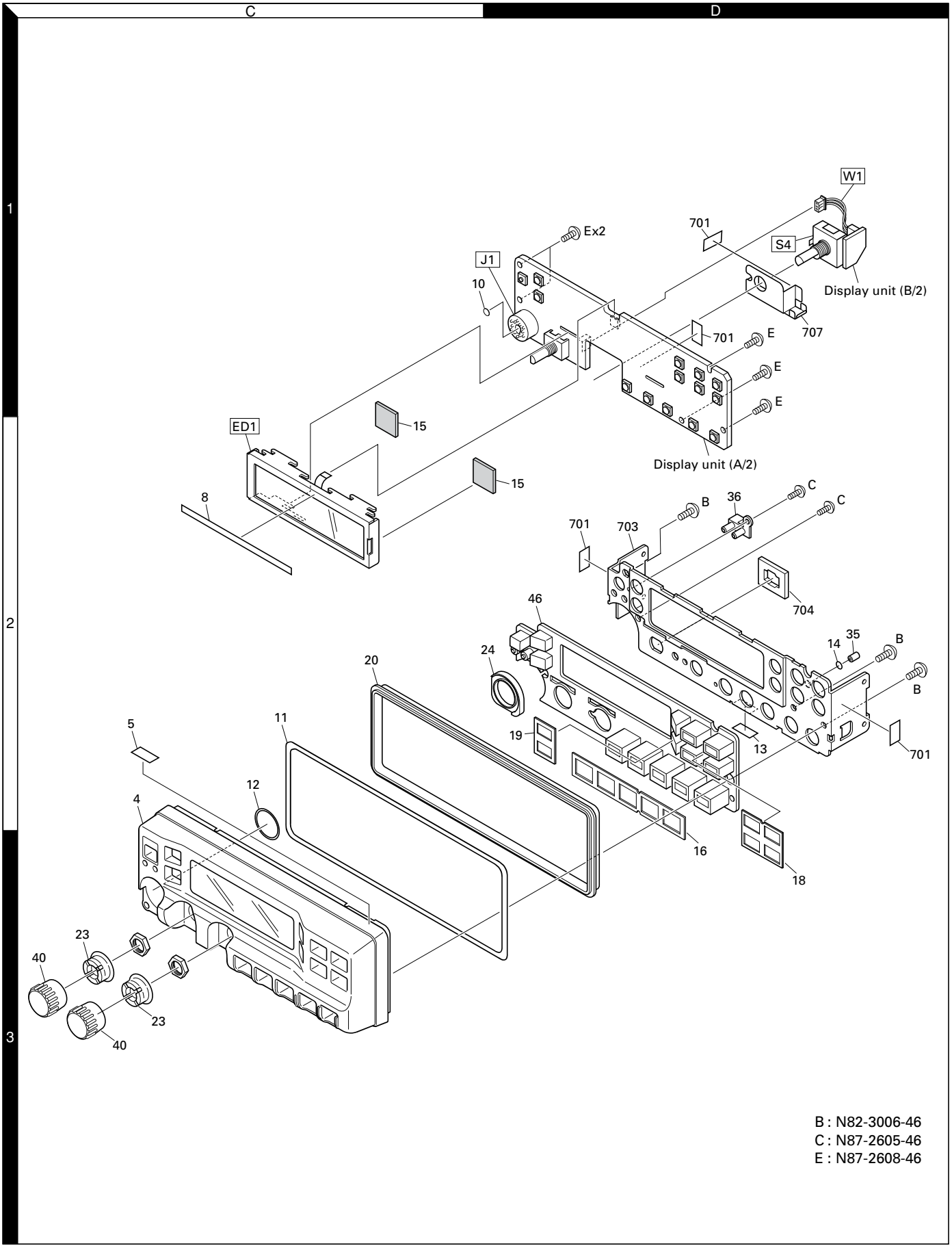
PARTS LIST

DISPLAY UNIT (X54-3500-20)

Ref. No.	Address	New parts	Parts No.	Description	Destination
C55			CC73GCH1H101J	CHIP C 100PF J	
C57			CK73GB1H102K	CHIP C 1000PF K	
C58			CK73GB1E103K	CHIP C 0.010UF K	
C59			CC73GCH1H101J	CHIP C 100PF J	
–			E37-0781-05	PROCESSED LEAD WIRE(ENCODER)	
CN1			E40-5953-05	PIN ASSY	
CN2			E40-5704-05	PIN ASSY	
CN3			E40-5952-05	PIN ASSY	
CN4			E40-5738-05	PIN ASSY	
CN5			E40-5823-05	FLAT CABLE CONNECTOR	
CN12			E40-6202-05	FLAT CABLE CONNECTOR	
J1	1D		E56-0410-15	CYLINDRICAL RECEPTACLE(MIC JACK)	
W1	1D		E37-0703-05	LEAD WIRE WITH CONNECTOR	
L1			L92-0155-05	CHIP FERRITE	
L2		*	L92-0451-05	CHIP FERRITE	
L3			L92-0140-05	CHIP FERRITE	
X1			L77-1956-05	CRYSTAL RESONATOR(14.7456MHZ)	
R1			R92-1252-05	CHIP R 0 OHM J 1/16W	
R2 ,3			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R4			R92-1252-05	CHIP R 0 OHM J 1/16W	
R5		*	RK73PB2H821J	CHIP R 820 J 1/2W	
R7			RK73GB1J473J	CHIP R 47K J 1/16W	
R8 ,9			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R10			RK73GB1J474J	CHIP R 470K J 1/16W	
R11			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R12			RK73FB2A151J	CHIP R 150 J 1/10W	
R13			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R14 ,15			RK73GB1J473J	CHIP R 47K J 1/16W	
R16			RK73GB1J561J	CHIP R 560 J 1/16W	
R17			RK73FB2A391J	CHIP R 390 J 1/10W	
R18			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R19			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R21			R92-0670-05	CHIP R 0 OHM	
R23			RK73GB1J474J	CHIP R 470K J 1/16W	
R24			RK73GB1J220J	CHIP R 22 J 1/16W	
R25			R92-0670-05	CHIP R 0 OHM	
R26			RK73GB1J103J	CHIP R 10K J 1/16W	
R27			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R28 ,29			R92-0670-05	CHIP R 0 OHM	
R32 -34			RK73GB1J473J	CHIP R 47K J 1/16W	
R35			RK73GB1J682J	CHIP R 6.8K J 1/16W	
R36			RK73GB1J474J	CHIP R 470K J 1/16W	
R37			RK73GB1J331J	CHIP R 330 J 1/16W	
R38			RK73GB1J181J	CHIP R 180 J 1/16W	
R39 ,40		*	RK73PB2H681J	CHIP R 680 J 1/2W	
R41 ,42		*	RK73PB2H821J	CHIP R 820 J 1/2W	
R43 ,44			RK73GB1J473J	CHIP R 47K J 1/16W	
R46 -60			RK73GB1J473J	CHIP R 47K J 1/16W	
R66 -68			RK73GB1J473J	CHIP R 47K J 1/16W	
R69 ,70			RK73GB1J333J	CHIP R 33K J 1/16W	
R71			RK73FB2A391J	CHIP R 390 J 1/10W	
R72			RK73FB2A151J	CHIP R 150 J 1/10W	
R75			RK73GB1J220J	CHIP R 22 J 1/16W	
R76 ,77			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R78			R92-1252-05	CHIP R 0 OHM J 1/16W	
R79			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R80			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R82 ,83			RK73GB1J102J	CHIP R 1.0K J 1/16W	
VR1			R31-0607-05	VARIABLE RESISTOR(10K)	
S1			S40-1420-05	TACT SWITCH	

Ref. No.	Address	New parts	Parts No.	Description	Destination
S2 ,3		*	S70-0502-05	TACT SWITCH	
S5 -15		*	S70-0502-05	TACT SWITCH	
D1 ,2			1SS355	DIODE	
D5 ,6			DA204U	DIODE	
D10			02CZ9.1(X,Y)	ZENER DIODE	
D11			AVRM1608270MAB	VARISTOR	
D16			1SS301	DIODE	
D18			MINISMDC020	VARISTOR	
D19 -22			AVRM1608270MAB	VARISTOR	
D23			MAYS062	ZENER DIODE	
D24 -26			AVRM1608270MAB	VARISTOR	
IC1			TA7805F	MOS-IC	
IC3		*	30302M84Z2GP	MICROPROCESSOR IC	
Q1 ,2			2SD2114K(W)	TRANSISTOR	
Q3			DTC144EUA	DIGITAL TRANSISTOR	
Q4			2SK1824	FET	
Q5			2SC2873(Y)	TRANSISTOR	
Q6 ,7			DTC114TE	DIGITAL TRANSISTOR	
Q8 -13			DTC144EUA	DIGITAL TRANSISTOR	
Q14 -16			DTC144EE	DIGITAL TRANSISTOR	
Q17 -20			DTC114EE	DIGITAL TRANSISTOR	
S4	1D		W02-0393-05	ENCODER	
–			490-0160-05	ADHESIVE TAPE	

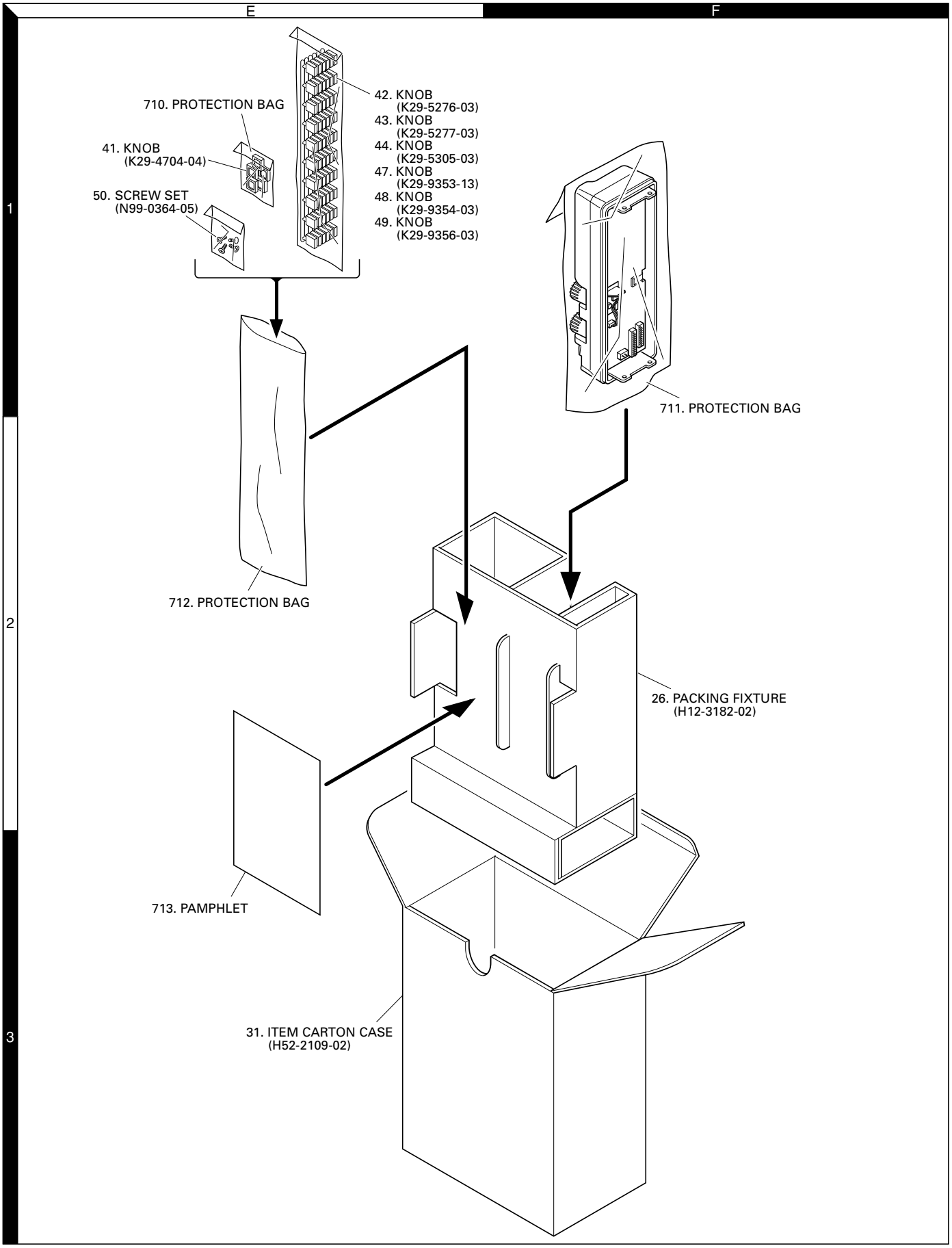
EXPLODED VIEW (KCH-15)



B : N82-3006-46
C : N87-2605-46
E : N87-2608-46

 Parts with the exploded numbers larger than 700 are not supplied.

PACKING



Parts with the exploded numbers larger than 700 are not supplied.