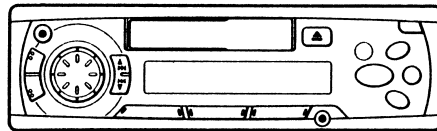


CT-FR530M YZ
CT-FX5300M YL
CT-FX530M YU YV YJ YH



SERVICE MANUAL

STEREO CAR
CASSETTE RECEIVER

BASIC TAPE MECHANISM : CDS-801AW1

SPECIFICATIONS

RADIO SECTION

(FM)

Frequency Range:	87.5 MHz–108 MHz (100-kHz steps) 87.5 MHz–108 MHz [Except YV] 65 MHz–74 MHz [YV] (50-kHz steps)
Usable Sensitivity:	12.7 dBf
50 dB Quieting Sensitivity:	17.2 dBf
IF Rejection:	80 dB
Frequency Response:	30 Hz–15,000 Hz
S/N Ratio:	63 dB
Stereo Separation:	35 dB at 1 kHz
Alternate Channel Selectivity:	70 dB
Capture Ratio:	3 dB

(AM(MW)) [Except YZ]

Frequency Range:	530 kHz–1,710 kHz (10-kHz steps) 531 kHz–1,602 kHz (9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

(MW) [YZ]

Frequency Range:	531 kHz–1,620 kHz (9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

(LW) [YZ]

Frequency Range:	144 kHz–288 kHz (1-kHz/9-kHz steps)
Usable Sensitivity:	30 µV (30 dB)

TAPE SECTION

Tape Speed:	4.8 cm/sec. (1 ⁷ / ₈ ips)
S/N Ratio:	50 dB
Frequency Response:	40 Hz–14,000 Hz
Stereo Separation:	40 dB
FF/REW Time:	100 sec. (C-60)

AUDIO SECTION

Max. Power Output:	45 W x 4 channels
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AUX IN input

Input sensitivity (load impedance)	
AUX IN:	300 mV (10 kΩ)

GENERAL

Power-Supply Voltage:	14.4 V (11 to 16 V allowable), DC, negative ground
Load Impedance:	4Ω
Tone Control:	Bass ± 10 dB at 100 Hz Treble ± 10 dB at 10 kHz
Preamp Output Voltage (load impedance):	2.2 V (10 kΩ)
Installation size:	182(W) x 53(H) x 155(D) mm (7 ¹ / ₄ (W) x 2 ¹ / ₈ (H) x 6 ¹ / ₈ (D) inches)

STEERING-WHEEL-MOUNTED REMOTE CONTROL UNIT

Dimensions:	approx. 67 (W) x 26 (H) x 27 (D) mm (2 ³ / ₄ (W) x 1 ¹ / ₁₆ (H) x 1 ¹ / ₈ (D) inches) (excluding holder)
Weight:	approx. 38 g (1.33 oz) (including holder, battery)

• Design and specifications are subject to change without notice.

ACCESSORIES LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-KT9-904-010	IB,YH,Y (E CK CH A)	530M<C,D>	10	8Z-KT1-232-010		KEY, REMOVE -T
1	8A-KT9-903-010	IB,YL (3L)	530M<E>	11	87-B10-141-010		NUT, 5 TYPE-2
1	8A-KT9-901-010	IB,YU (3L)	530M<A>	12	8Z-KT1-251-010		S-SCREW, 5*6 TH+ TAPPING ST
1	8A-KT9-905-010	IB,YV (ER)	530M	13	88-KC4-255-010		S-SCREW, HEX-SOC+3-3.5 BLK
1	8A-KT8-901-010	IB,YZ (9L)	FR530M<F>	14	88-KT1-247-010		S-SCREW, HEXAGON
2	8A-KT5-908-010	IB, INST, YH, Y (E CK CH A)	-A<C,D>	15	88-KT1-250-010		S-SCREW, THIN HEAD+2.6-4 BLK
2	8A-KT5-902-010	IB, INST, YU, YL (3L, P)	<A,E>	16	87-B10-143-010		UT1+5-15 W/O SLOT
2	8A-KT3-902-010	IB, INST, YZ (9L)	-A<B,F>	17	87-B10-144-010		W, 5.2-10-0.5
3	R8-AZR-190-040	AZR-1	RCKGNF	18	87-B10-145-010		W-SPR, 5.3-8.5-1.5
4	8Z-KT1-625-010		CONN ASSY, 16P SOC016<A,C,D,E>				
5	86-KT1-237-010		HLD, REAR MTG				
6	8Z-KT1-030-010		CASE, DFP -T				
7	88-KC4-057-010		BELT, HRC				
8	88-KC4-053-010		HLD, BELT HRC				
9	88-KC4-257-010		KEY, HEXAGON WRENCH				

TYPE	MODEL NAME	SUFFIX
A	CT-FX530M	YU
B	CT-FX530M	YV
C	CT-FX530M	YH
D	CT-FX530M	YJ
E	CT-FX5300M	YL
F	CT-FR530M	YZ

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

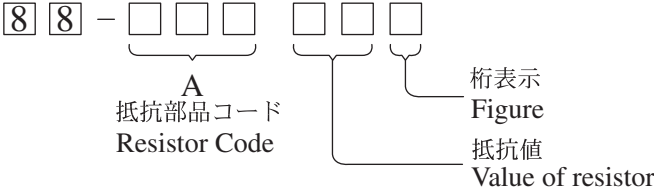
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C120	87-010-553-040		CAP,E 47-16 GAS
	8Z-KT1-622-010	C-IC,LC75374E		C121	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A21-562-010	IC,LA4743B		C301	87-010-494-040		CAP,E 1-50 GAS
	87-A21-530-030	C-IC,UPD178018AGF<F>		C302	87-010-494-040		CAP,E 1-50 GAS
	87-002-394-010	IC,LB1641		C303	87-010-178-080		CHIP CAP 1000P
	88-KT1-608-010	C-IC,LC75854W		C304	87-010-178-080		CHIP CAP 1000P
	87-A90-951-010	RCR UNIT,SBX1971-52		C401	87-010-494-040		CAP,E 1-50 GAS
	88-KT1-607-080	C-IC,SAA6579T<F>		C402	87-010-494-040		CAP,E 1-50 GAS
	87-A21-538-010	IC,KIA2025P		C501	87-010-494-040		CAP,E 1-50 GAS
	87-A21-649-030	C-IC,UPD178006AGC-539-3B9<EXCEPT F>		C502	87-010-494-040		CAP,E 1-50 GAS
TRANSISTOR				C503	87-010-494-040		CAP,E 1-50 GAS
	89-423-953-010	TR,2SD2395F		C504	87-010-494-040		CAP,E 1-50 GAS
	87-A30-468-040	C-TR,KRC102S-RTK		C505	87-010-184-080		CHIP CAPACITOR 3300P(K)
	87-026-576-080	C-TR,DTC343TK		C506	87-010-184-080		CHIP CAPACITOR 3300P(K)
	87-A30-063-080	C-TR,KRA104S		C507	87-010-198-080		CAP, CHIP 0.022
	87-A30-470-040	C-TR,KTC3875SY-RTK		C508	87-010-198-080		CAP, CHIP 0.022
	87-A30-471-040	C-TR,KTA1504SY-RTK		C509	87-010-498-040		CAP,E 10-16 GAS
	87-A30-295-010	TR,KRA226M		C510	87-010-498-040		CAP,E 10-16 GAS
	87-A30-469-040	C-TR,KRC111S-RTK		C511	87-A11-177-080		C-CAP,S 0.15-16 K B
	87-A30-472-040	C-TR,KRA226S-RTK		C512	87-A11-177-080		C-CAP,S 0.15-16 K B
	87-A30-467-040	C-TR,KRA111S-RTK		C513	87-A11-177-080		C-CAP,S 0.15-16 K B
	8Z-KTH-627-080	TR,KTA1273Y		C514	87-A11-177-080		C-CAP,S 0.15-16 K B
	87-A30-476-010	TR,KTA1046Y		C515	87-010-498-040		CAP,E 10-16 GAS
	8Z-KTH-626-080	TR,KTC3203Y		C516	87-010-498-040		CAP,E 10-16 GAS
DIODE				C517	87-010-553-040		CAP,E 47-16 GAS
	87-020-465-080	DIODE,1SS133 (110MA)		C518	87-010-498-040		CAP,E 10-16 GAS
	87-A40-350-080	ZENER,MTZJ 4.7C		C519	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A40-504-040	C-DIODE,KDS184		C520	87-010-494-040		CAP,E 1-50 GAS
	87-017-932-080	ZENER,MTZJ6.2B		C521	87-010-494-040		CAP,E 1-50 GAS
	87-A40-830-040	DIODE,KDS226-RTK		C522	87-010-494-040		CAP,E 1-50 GAS
	87-A40-250-080	C-DIODE,DAN217		C523	87-010-494-040		CAP,E 1-50 GAS
	87-A40-509-080	ZENER,MTZJ6.8C		C524	87-010-552-040		CAP,E 22-16 GAS
	87-001-783-080	DIODE,1N4002		C525	87-012-358-080		C-CAP,S 0.47-10 F Z
	87-020-590-080	ZENER,02CZ10Y		C526	87-012-358-080		C-CAP,S 0.47-10 F Z
	87-070-022-010	DIODE,IN5402 (RECT)		C527	87-012-358-080		C-CAP,S 0.47-10 F Z
	87-020-585-080	CHIP-ZENER,02CZ6.2Y		C528	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A40-624-080	ZENER,MTZJ10A		C529	87-012-141-080		CHIP-CAPACITOR,0.22-16F
	87-017-931-080	ZENER,MTZJ5.6B		C530	87-012-141-080		CHIP-CAPACITOR,0.22-16F
	87-A40-620-080	ZENER,MTZJ6.2A		C531	87-010-178-080		CHIP CAP 1000P
	87-A40-829-040	DIODE,KDS196-RTK		C601	87-A11-177-080		C-CAP,S 0.15-16 K B
	87-A40-835-080	C-ZENER,Z02W5.1VX-RTK		C602	87-A11-177-080		C-CAP,S 0.15-16 K B
	87-A40-869-080	C-ZENER,02CZ11X<EXCEPT F>		C603	87-A11-177-080		C-CAP,S 0.15-16 K B
	87-A40-834-080	C-ZENER,Z02W9.1VY-RTK<F>		C604	87-A11-177-080		C-CAP,S 0.15-16 K B
MAIN C.B				C605	87-010-180-080		C-CER 1500P
C101	87-010-322-080	C-CAP,S 100P-50 CH		C606	87-010-180-080		C-CER 1500P
C102	87-010-197-080	CAP, CHIP 0.01 DM		C607	87-010-180-080		C-CER 1500P
C103	87-010-184-080	C-CAP,S 1000P		C608	87-010-180-080		C-CER 1500P
C104	87-010-186-080	CAP,CHIP 4700P		C609	87-010-491-040		CAP,E 0.22-50 GAS
C105	87-010-490-040	CAP, ELECT 0.1-50		C610	87-010-552-040		CAP,E 22-16 GAS
C106	87-010-198-080	CAP, CHIP 0.022		C611	87-010-196-080		CHIP CAPACITOR,0.1-25
C107	87-010-553-040	CAP,E 47-16 GAS		C612	8Z-KT1-633-000		CAP,E 3300U-16 105 PW
C108	87-010-196-080	CHIP CAPACITOR,0.1-25		C613	87-010-553-040		CAP,E 47-16 GAS
C109	87-010-553-040	CAP,E 47-16 GAS		C614	87-010-196-080		CHIP CAPACITOR,0.1-25
C110	87-010-992-080	C-CAP,S 0.047-25 B		C615	87-010-196-080		CHIP CAPACITOR,0.1-25
C111	87-010-213-080	C-CAP,S 0.015-50 B<EXCEPT A>		C616	87-010-196-080		CHIP CAPACITOR,0.1-25
C111	87-010-198-080	CAP, CHIP 0.022<A>		C617	87-010-196-080		CHIP CAPACITOR,0.1-25
C112	87-010-213-080	C-CAP,S 0.015-50 B<EXCEPT A>		C626	87-018-209-080		CHIP CAPACITOR,0.1-50
C112	87-010-198-080	CAP, CHIP 0.022<A>		C701	87-010-490-040		CAP, ELECT 0.1-50
C113	87-010-992-080	C-CAP,S 0.047-25 B		C702	87-010-196-080		CHIP CAPACITOR,0.1-25
C114	87-010-992-080	C-CAP,S 0.047-25 B		C703	87-010-314-080		C-CAP,S 22P-50V
C115	87-010-197-080	CAP, CHIP 0.01 DM		C704	87-010-316-080		C-CAP,S 33P-50 CH
C116	87-010-495-080	CAP,E2.2-50		C705	87-010-196-080		CHIP CAPACITOR,0.1-25
C117	87-010-197-080	CAP, CHIP 0.01 DM		C706	87-010-198-080		CAP, CHIP 0.022
C118	87-010-197-080	CAP, CHIP 0.01 DM		C707	87-010-555-040		CAP,E 100-10 GAS
				C708	87-010-322-080		C-CAP,S 100P-50 CH
				C709	87-010-322-080		C-CAP,S 100P-50 CH
				C710	87-010-178-080		CHIP CAP 1000P
				C712	87-016-039-090		CAP,DL 0.022F-5.5 Z 70 FM
				C713	87-010-197-080		CAP, CHIP 0.01 DM
				C714	87-010-197-080		CAP, CHIP 0.01 DM

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C801	87-010-182-080		C-CAP,S 2200P-50 B	SW1008	87-036-251-080		SW,T CT 6X3.5 160
C802	87-010-182-080		C-CAP,S 2200P-50 B	SW1009	87-036-251-080		SW,T CT 6X3.5 160
C803	87-010-196-080		CHIP CAPACITOR,0.1-25	SW1010	87-036-251-080		SW,T CT 6X3.5 160
C804	87-010-552-040		CAP,E 22-16 GAS	SW1011	87-A90-001-080		C-SW,TACT SKQMAL
C805	87-010-555-040		CAP,E 100-10 GAS	SW1012	87-A90-001-080		C-SW,TACT SKQMAL
C806	87-010-101-080		CAP, ELECT 220-16	SW1013	87-036-251-080		SW,T CT 6X3.5 160
C807	87-010-498-040		CAP,E 10-16 GAS	SW1014	87-036-251-080		SW,T CT 6X3.5 160
C808	87-010-197-080		CAP, CHIP 0.01 DM	SW1015	87-A90-001-080		C-SW,TACT SKQMAL
C809	87-010-553-040		CAP,E 47-16 GAS	SW1016	87-036-220-080		C-SW,T
C810	87-010-198-080		CAP, CHIP 0.022	VR1001	87-A91-597-010		SW,RTRY SIM-026MT
C811	87-010-197-080		CAP, CHIP 0.01 DM	W1	8A-KT9-611-010		F-CABLE,3P 50MM
C1205	87-010-498-040		CAP,E 10-16 GAS	AUX C.B			
C1206	87-010-498-040		CAP,E 10-16 GAS	J1001	87-A61-229-010		JACK,3.5 BLK ST W/SW
C1207	87-010-498-040		CAP,E 10-16 GAS	CONTROL C.B			
C1208	87-010-498-040		CAP,E 10-16 GAS	C251	87-010-553-040		CAP,E 47-16 GAS
C1211	87-012-140-080		CAP 470P	C252	87-012-141-080		CHIP-CAPACITOR,0.22-16F
C1212	87-012-140-080		CAP 470P	C253	87-012-141-080		CHIP-CAPACITOR,0.22-16F
C1213	87-012-140-080		CAP 470P	C254	87-010-196-080		CHIP CAPACITOR,0.1-25
C1214	87-012-140-080		CAP 470P	C255	87-012-141-080		CHIP-CAPACITOR,0.22-16F
C1301	87-010-198-080		CAP, CHIP 0.022<B,F>	C256	87-010-497-040		CAP,E 4.7-35 GAS
CN701	88-KTA-603-010		CONN,15P CAM-B68	C257	87-010-197-080		CAP, CHIP 0.01 DM
CN801	8Z-KT1-624-010		CONN,16P SOC017<A,C,D,E>	C258	87-010-553-040		CAP,E 47-16 GAS
CNA201	8A-KT7-651-010		CONN ASSY,5P MAIN-EQ	CON251	87-099-203-010		CONN,10P 6216 H
CNA251	8A-KT5-651-010		CONN ASSY,12P MAIN-DECK	CON252	87-A61-262-010		CONN,12P V B12B-ZR
CNA252	8A-KT5-651-010		CONN ASSY,12P MAIN-DECK	EQ C.B			
CNA801	8A-KT1-631-010		CONN ASSY,8P ISO-BLACK-A<B,F>	C271	87-010-994-080		CAP 820P
CNA802	8A-KT1-632-010		CONN ASSY,8P ISO-WHITE-A<B,F>	C272	87-010-994-080		CAP 820P
D703	87-027-262-010		LEDE,TLR-124 (RED)	C273	87-010-994-010		CAP 820P
F801	8Z-KC1-621-010		FUSE,15A 32V	C274	87-010-994-080		CAP 820P
J101	8Z-KT1-614-010		ANT,AW-002	C275	87-010-552-040		CAP,E 22-16 GAS
J401	8A-KC7-620-010		JACK,DIN 13 P SKDS1302	C276	87-010-552-040		CAP,E 22-16 GAS
J1201	87-A61-224-010		JACK,PIN 4P XR-401	C277	87-010-426-080		CAP, CHIP 0.012
L101	87-003-143-080		COIL 4.7 UH	C278	87-010-426-080		CAP, CHIP 0.012
L102	8Z-KT1-619-010		COIL,68MH K7-D	C279	87-010-494-040		CAP,E 1-50 GAS
L301	87-003-143-080		COIL 4.7 UH	C280	87-010-494-040		CAP,E 1-50 GAS
L701	87-003-149-080		COIL,47UH	C281	87-010-555-040		CAP,E 100-10 GAS
L801	8Z-KT1-615-010		FLTR,AMORPHOUS -CHOKE	C282	87-010-421-040		CAP,E 4.7-3.5
SW701	87-A91-070-010		SW,TACT SKHHLV	C283	87-010-498-040		CAP,E 10-16 GAS
SW703	87-A91-152-010		SW,SL 1-1-2 SSSS212-11-A<EXCEPT F>	C284	87-010-494-040		CAP,E 1-50 GAS
TU101	8A-KC8-620-010		TU UNIT,FAE347-A11<F>	C285	87-010-494-040		CAP,E 1-50 GAS
TU101	8A-KC8-621-010		TU UNIT,FAE347-A12<A,C,D,E>	C286	87-010-553-040		CAP,E 47-16 GAS
TU101	8A-KTG-607-010		TU UNIT,FAE347-P10	CON271	87-A61-259-010		CONN,5P V B5B-ZR
X701	87-A70-175-010		VIB,XTAL 4.5MHZ AT-49	CON272	87-009-349-010		CONN,6P PH H
FRONT C.B				RDS C.B			
C1001	87-010-176-080		C-CAP,S 680P-50 SL	C1101	87-012-149-080		C-CAP,S 30P-50 CH<F>
C1002	87-010-194-080		CAP, CHIP 0.047	C1102	87-010-315-080		C-CAP,S 27P-50 CH<F>
C1003	87-010-194-080		CAP, CHIP 0.047	C1103	87-010-175-080		CAP 560P<F>
C1004	87-010-196-080		CHIP CAPACITOR,0.1-25	C1104	87-010-196-080		CHIP CAPACITOR,0.1-25<F>
C1005	87-010-805-080		CAP, S 1-16	C1105	87-012-157-080		C-CAP,S 330P-50 CH<F>
C1006	87-010-194-080		CAP, CHIP 0.047	C1106	87-010-495-040		CAP,E 2.2-50 GAS<F>
CN1001	88-KTA-602-010		CONN,15P CAM-B67	C1107	87-010-197-080		CAP 0.01<F>
LCD1001	8A-KT9-610-010		LCD,AKT-8/9(3COLOR)	CON1101	8Z-KTH-613-010		CONN,3P HEADER-ANGLE<F>
LED1001	87-017-827-070		C-LED,SEC 1201C RED	CON1102	8Z-KTH-613-010		CONN,3P HEADER-ANGLE<F>
LED1002	87-017-827-070		C-LED,SEC 1201C RED	SFR1101	87-024-437-080		SFR,100K<F>
LED1003	87-017-827-070		C-LED,SEC 1201C RED	X1101	87-A70-091-010		VIB,XTAL 4.332MHZ CSA-309<F>
LED1004	87-A40-813-040		C-LED,SEC1E01C BLUE	MECHA. C.B			
LED1005	87-A40-813-040		C-LED,SEC1E01C BLUE				
LED1006	87-A40-813-040		C-LED,SEC1E01C BLUE				
LED1007	87-017-827-070		C-LED,SEC 1201C RED				
PL1001	8A-KT7-655-010		LAMP,9V-50MA				
PL1002	8A-KT7-655-010		LAMP,9V-50MA				
SW1001	87-036-251-080		SW,T CT 6X3.5 160				
SW1002	87-036-251-080		SW,T CT 6X3.5 160				
SW1003	87-036-251-080		SW,T CT 6X3.5 160				
SW1004	87-A90-001-080		C-SW,TACT SKQMAL				
SW1005	87-036-251-080		SW,T CT 6X3.5 160				
SW1006	87-036-251-080		SW,T CT 6X3.5 160				
SW1007	87-A90-001-080		C-SW,TACT SKQMAL				

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding

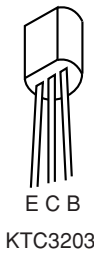


チップ抵抗
Chip resistor

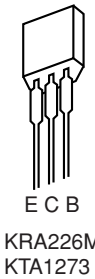
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A
				外形／Form	L	W	t	Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TYPE	MODEL NAME	SUFFIX
A	CT-FX530M	YU
B	CT-FX530M	YV
C	CT-FX530M	YH
D	CT-FX530M	YJ
E	CT-FX5300M	YL
F	CT-FR530M	YZ

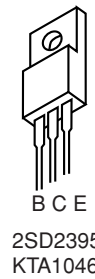
TRANSISTOR ILLUSTRATION



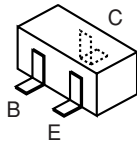
KTC3203



KRA226M
KTA1273



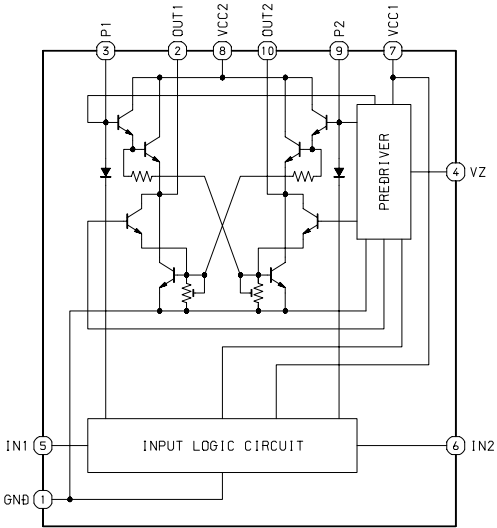
2SD2395
KTA1046



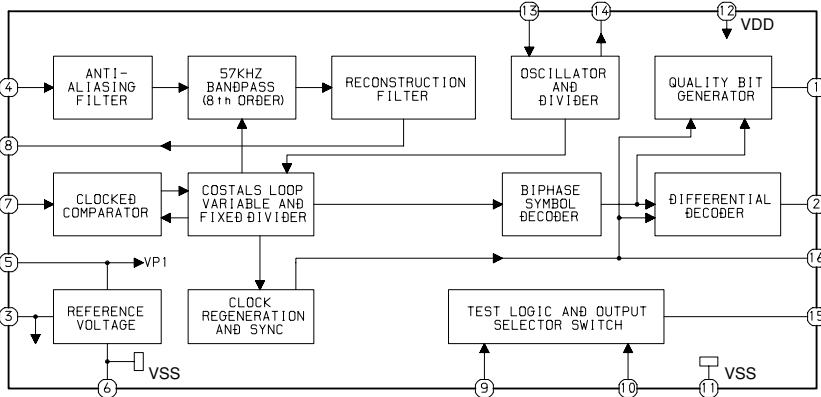
2SC2873
DTC343TK
KRA104S
KRA111S
KRA226S
KRC102S
KRC111S
KTA1504
KTC3875

IC BLOCK DIAGRAM-1

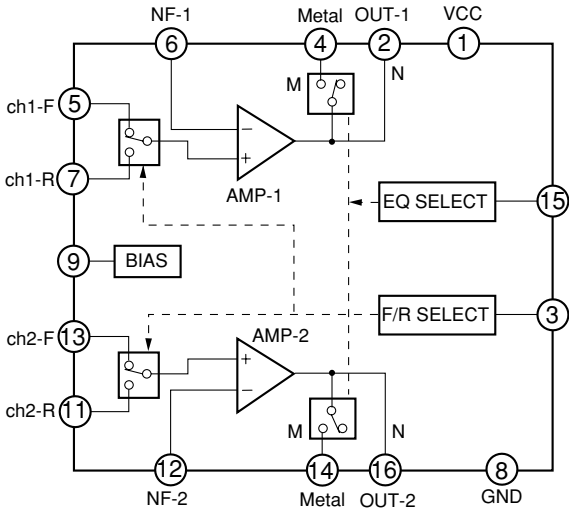
IC, LB1641



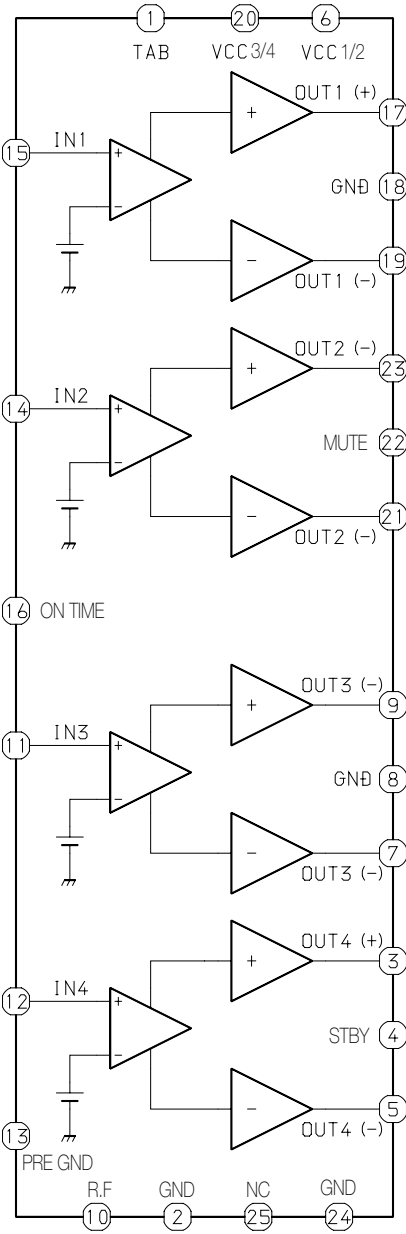
IC, SAA6579T



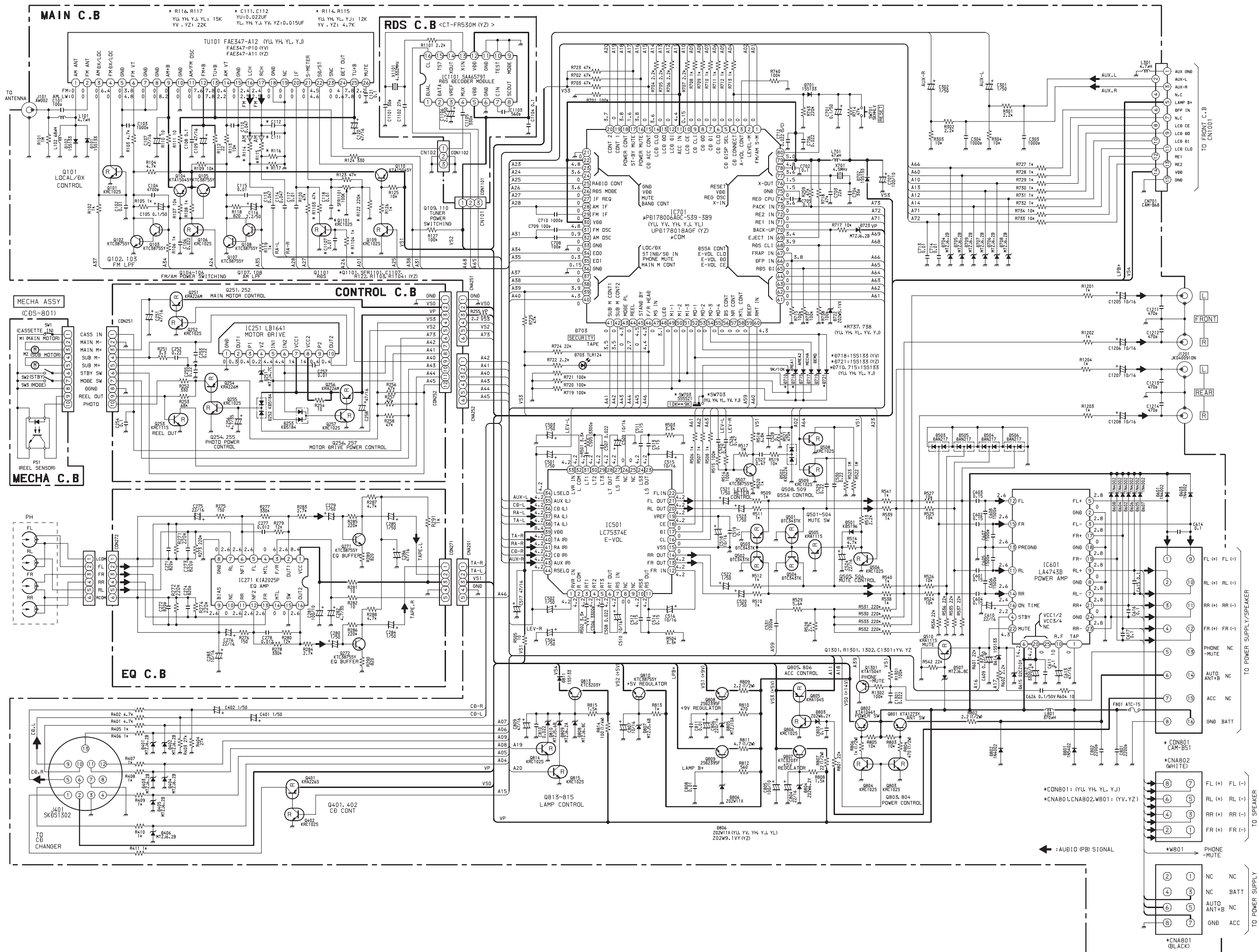
IC, KIA2025P



IC, LA4743B

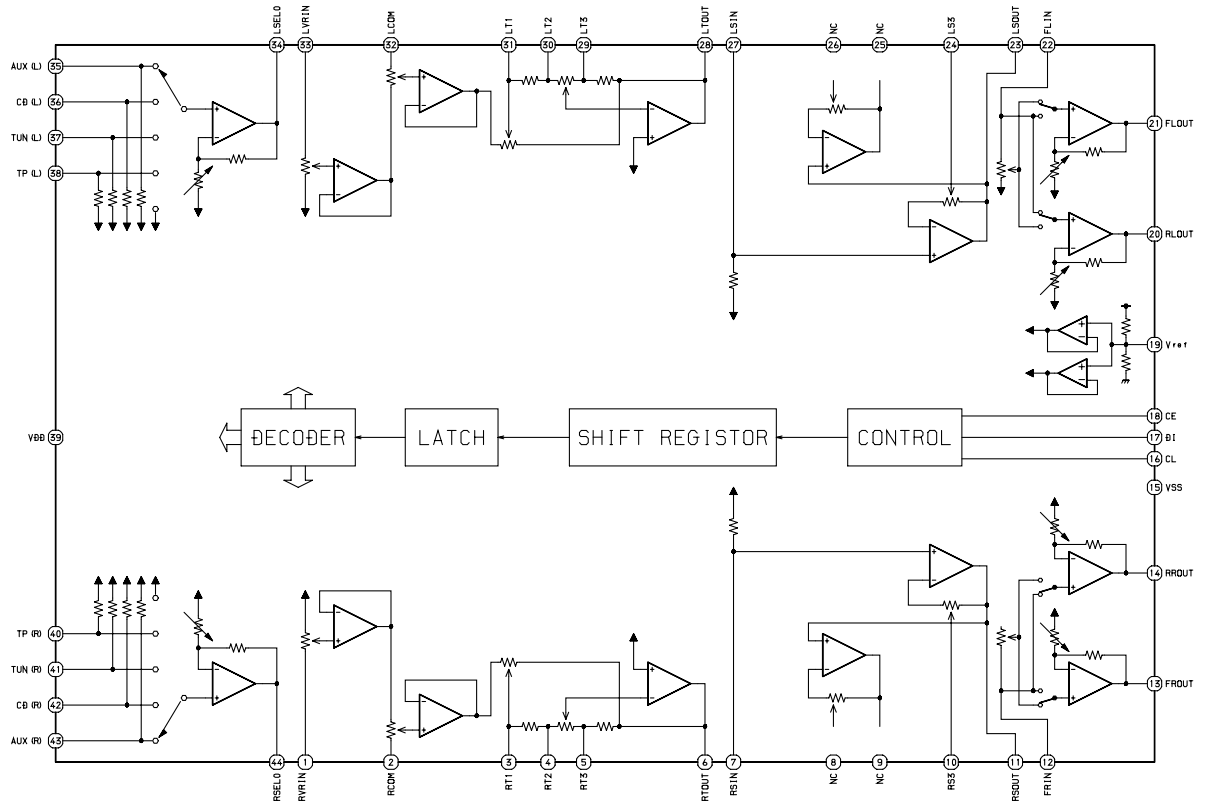


SCHEMATIC DIAGRAM-1

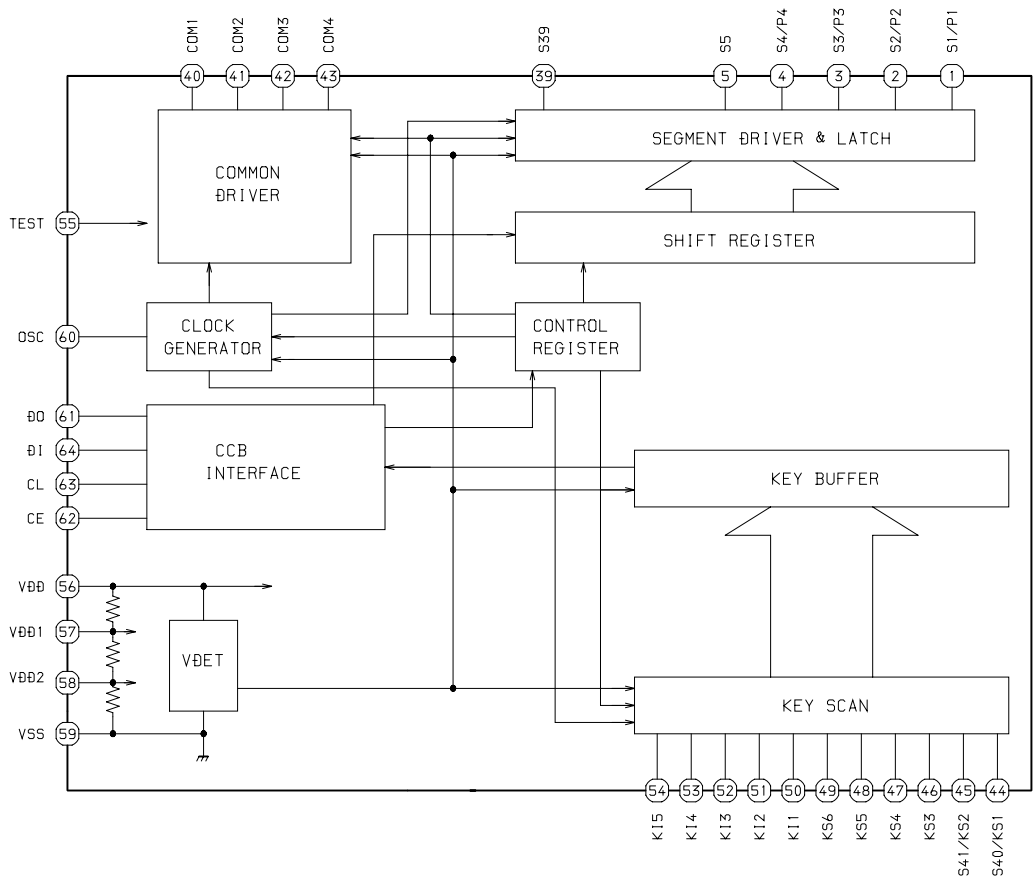


IC BLOCK DIAGRAM-2

IC, LC75374E



IC, LC75854W



DIFFERENCE TABLE

[This table lists the different components marked with asterisks (*) in the MAIN CB]

Ref No.	A	B	C	D	E	F
C1107						F
C1301		B				F
CN801	A		C	D	E	F
CNA801		B				
CNA802		B				
D710	A		C	D	E	
D715	A		C	D	E	
D718		B				
D721						F
Q1101						F
Q1301		B				F
R122						F
R737	A	B	C	D	E	
R738	A	B	C	D	E	
R1103						F
R1104						F
R1301		B				F
R1302		B				F
SFR1101						F
SW703	A	B	C	D	E	

TYPE	MODEL NAME	SUFFIX
A	CT-FX530M	YU
B	CT-FX530M	YV
C	CT-FX530M	YH
D	CT-FX530M	YJ
E	CT-FX5300M	YL
F	CT-FR530M	YZ

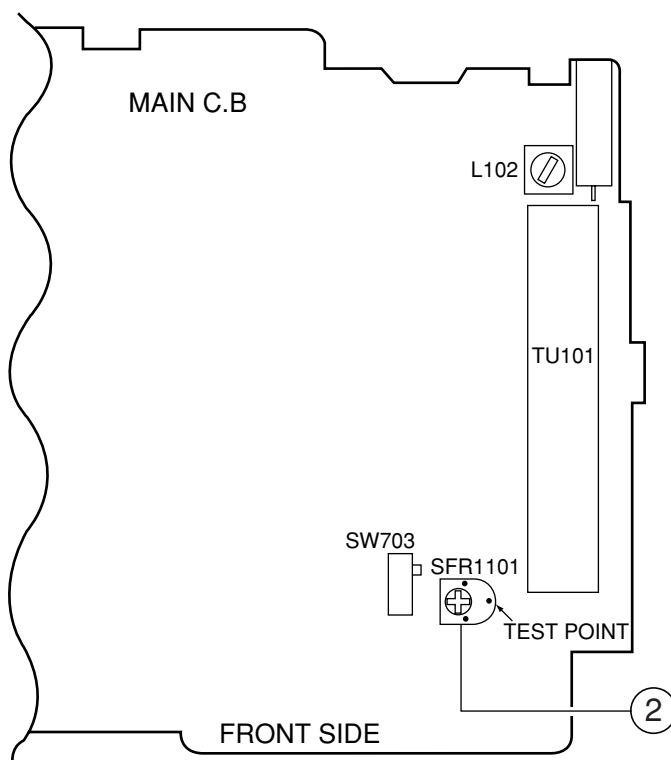
ELECTRICAL ADJUSTMENT

1. RDS Voltage Adjustment [YZ]

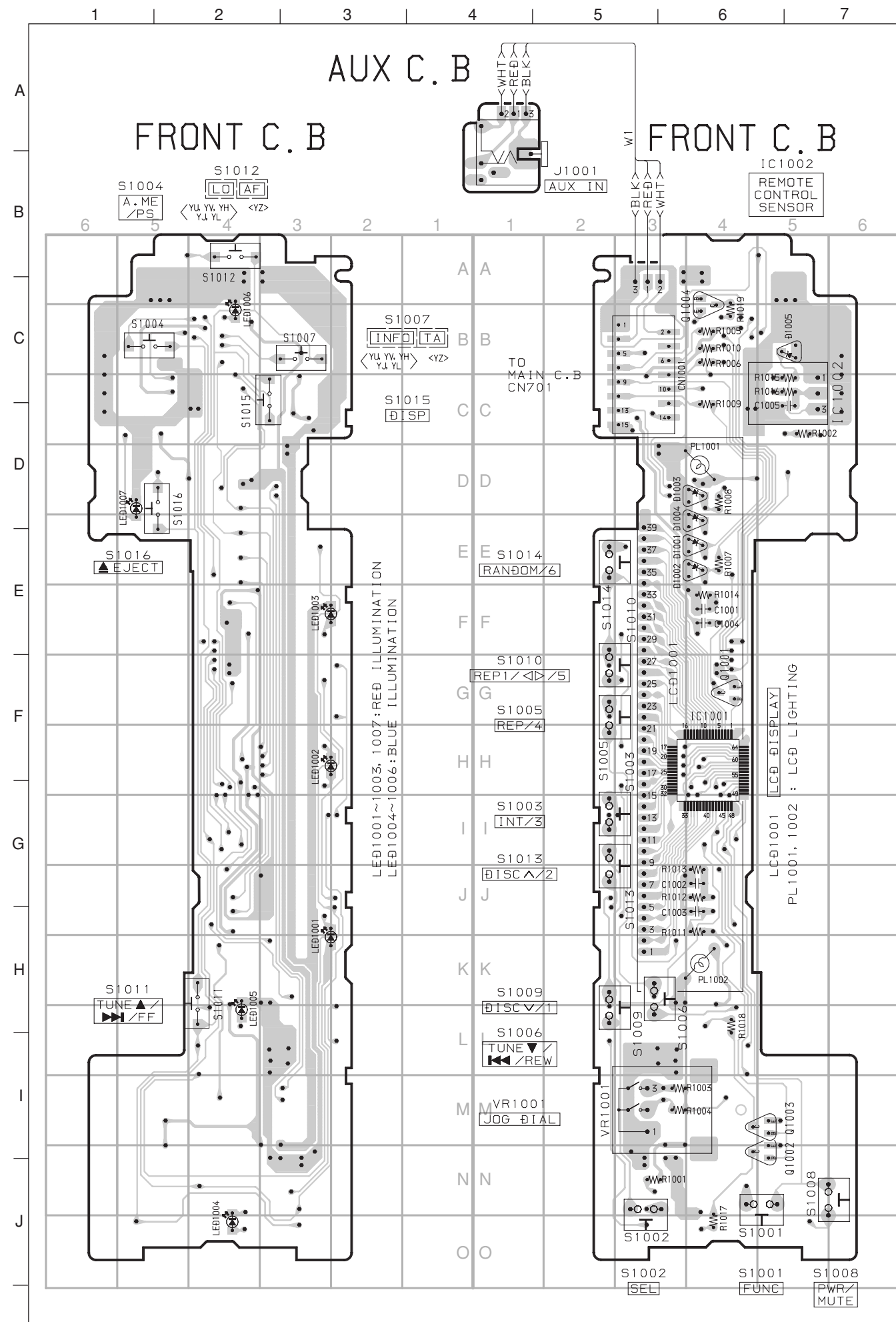
Settings: • Test point: Center pin of SFR1101

• Adjustment location: SFR1101

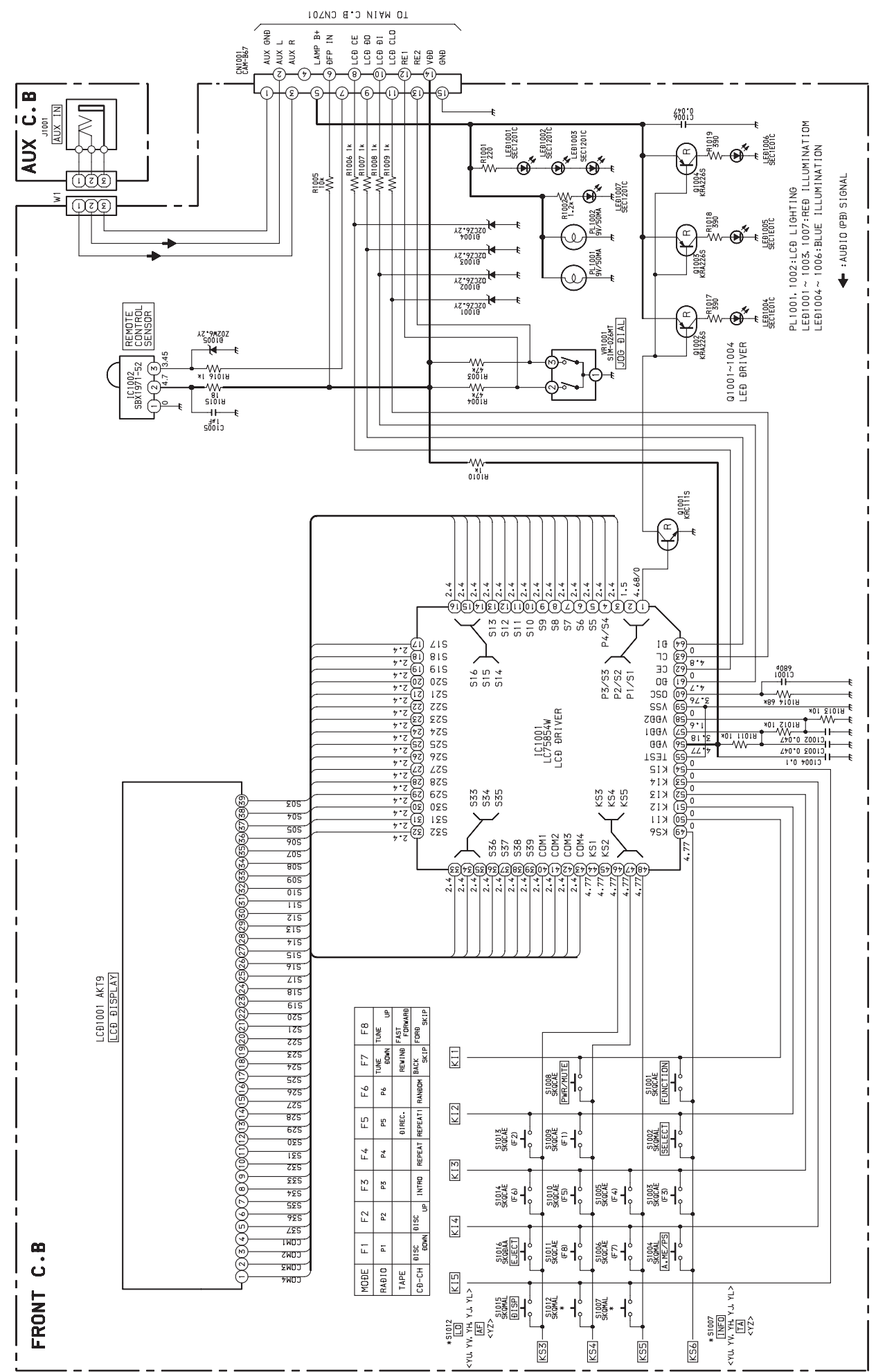
Method: Set AM/FM Signal generation to 98 MHz, 30 dBV and adjust SFR1101 so that the output becomes $2.0 \text{ V} \pm 0.05 \text{ V}$.



WIRING-2 (FRONT C.B)



SCHEMATIC DIAGRAM-2



[illegible]

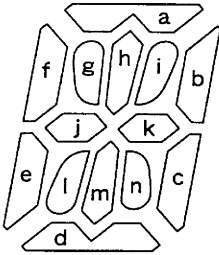
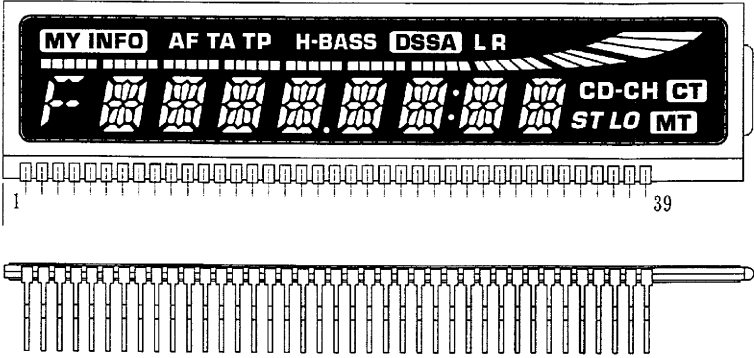
IC DESCRIPTION

IC, μ PD178018AGF/IC, μ PD178006AGC-539-3B9

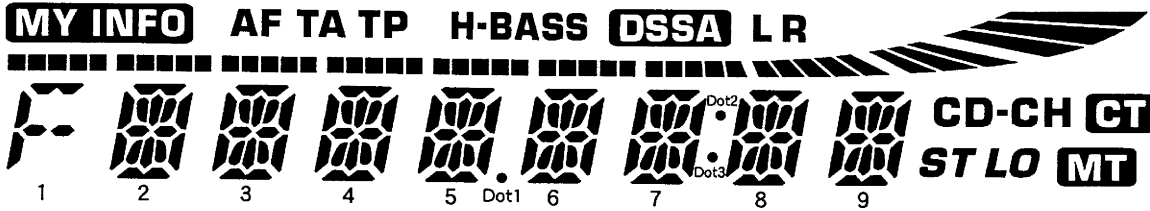
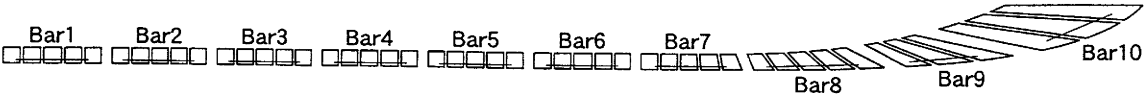
Pin No.	Pin Name	I/O	Description
1	AM/FM S-M	I	AF signal input during RDS AF operation and FM S meter signal input
2	LEVEL-M	I	Level meter signal input
3	A-VOL CONT	I	Detects microphone input for auto volume operation. Pulled down when not used.
4	CD CONNECT	I	CD changer connection check. Pulled down when not used.
5	CD DISP SEL	O	Determines the timing with which data is transferred to the head unit. Open when not used.
6	CD CLO	O	Clock output to CD changer. Open when not used.
7	CD DI	I	Data input from CD changer. Pulled down when not used.
8	CD DO	O	Data output to CD changer. Open when not used.
9	CD CLI	I	Clock input from CD changer. Open when not used.
10	LCD CE	O	LCD DRV (LC75854W) CE output.
11	DFP LAMP	O	Outputs "H" only when FLAP IN (pin 67) is "L". Open when not used.
12	LCD DI	I/O	LCD DRV (LC75854W) data input.
13	LCD DO	O	Open when not used. LCD DRV (LC75854W) data output.
14	LCD CLO	O	LCD DRV (μ IPD16432B) clock output. LCD DRV (LC75854W) clock output.
15	CD ACC CONT	O	Transmits the power on/off status of head unit to changer. Open when not used.
16	POWER MUTE	O	Muting output to power amp
17	ST-BY MUTE	O	Standby/muting output to power amp
18	POWER CONT	O	Unit power control output
19	CONT 1	O	LCD DRV power control 1
20	CONT 2	O	LCD DRV power control 2
21	GND	–	Ground for port
22	VDD	–	Power supply for port
23	MUTE	O	Audio muting output
24	BAND CONT	O	AM/FM power switching output. AM: "H", FM: "L".
25	RADIO CONT	O	Radio ON/OFF. Power switching output. Radio ON: "H".
26	RDS MODE	O	Outputs "H" during RDS AF operation. Open when not used.
27	IF REQ	O	Output to request IF count signal.
28	AM IF	I	AM IF count signal input
29	FM IF	I	FM IF count signal input
30	VDD	–	Power supply for PLL
31	FM OSC	I	FM local oscillation input
32	AM OSC	I	AM local oscillation input
33	GND	–	Ground for PLL
34	EO 0	O	Error output from charge pump (for FM)
35	EO 1	O	Error output from charge pump (for AM)
36	GND	–	Ground
37	LOC/DX	O	LOC/DX switching output during radio seek (LOC: "H", DX: "L"). Open when not used.
38	ST IND/SD IN	I	Stop pulse input during FM/AM seek.
39	PHONE MUTE	I	Muting control input -20 dB. Mute: "L".

LCD DISPLAY

Pin No.	Pin Name	I/O	Description
40	MAIN M CONT	O	Main motor control output
41	SUB M CONT 1	O	Sub motor control output-1.
42	SUB M CONT 2	O	Sub motor control output-2.
43	MODE PL	I	Mode pulse input for tape mechanism.
44	REEL	I	Reel pulse input for tape mechanism.
45	STAND-BY	I	Mechanism Stand-by input
46	F/R HEAD	O	Head FWD/REV select output.
47	MS IN	I	MS signal input (no music: "H", with music: "L"). Pulled when not used
48	LED	O	Security LED flashing output ("H": 120-130 ns, 1 cycle: 3 s)
49	MI-1	I	Diode matrix input for initial setting
50	MI-2		
51	MI-3		
52	MO-1	O	Diode matrix output for initial setting
53	MO-2		
54	MO-3		
55	MO-4		
56	BS CONT	O	MS/BL switching output. Open when not used
57	NR CONT	O	Dolby B NR on/off output. Open when not used
58	MTL CONT	O	Metal tape on/off output. Open when not used
59	BEEP	O	Beep output (3 kHz, 50 ms)
60	RMT IN	I	Remote control input. Pulled up when not used
61	E-VOL CE	O	CE output to electronic VR (LC75374E)
62	E-VOL DO	O	Data output to electronic VR (LC75374E)
63	E-VOL CLO	O	Clock output to electronic VR (LC75374E)
64	DSSA	O	Outputs "H" only when DSSA L/R are operating.
65	RDS DI	I	RDS data inputPulled down when not used.
66	DFP IN	I	Detects whether DFP (front panel) is provided or not.
67	FLAP IN	I	Detects whether flap DFP is open or closed.
68	RDS CLI	I	RDS clock inputPulled down when not used
69	EJECT IN	I	NC (pulled down)
70	ACC IN	I	ACC (accessory power supply) on/off input
71	RE1 IN	I	Rotary encoder input 1.
72	RE2 IN	I	Rotary encoder input 2.
73	PACK IN	I	Tape insertion status detection input
74	REG CPU	–	CPU power regulator
75	GND	–	Ground
76	X-OUT	–	System clock oscillator
77	X-IN	I	System clock oscillator
78	REG OSC	–	Regulator for oscillator circuit
79	VDD	–	Power supply
80	RESET	I	System reset input



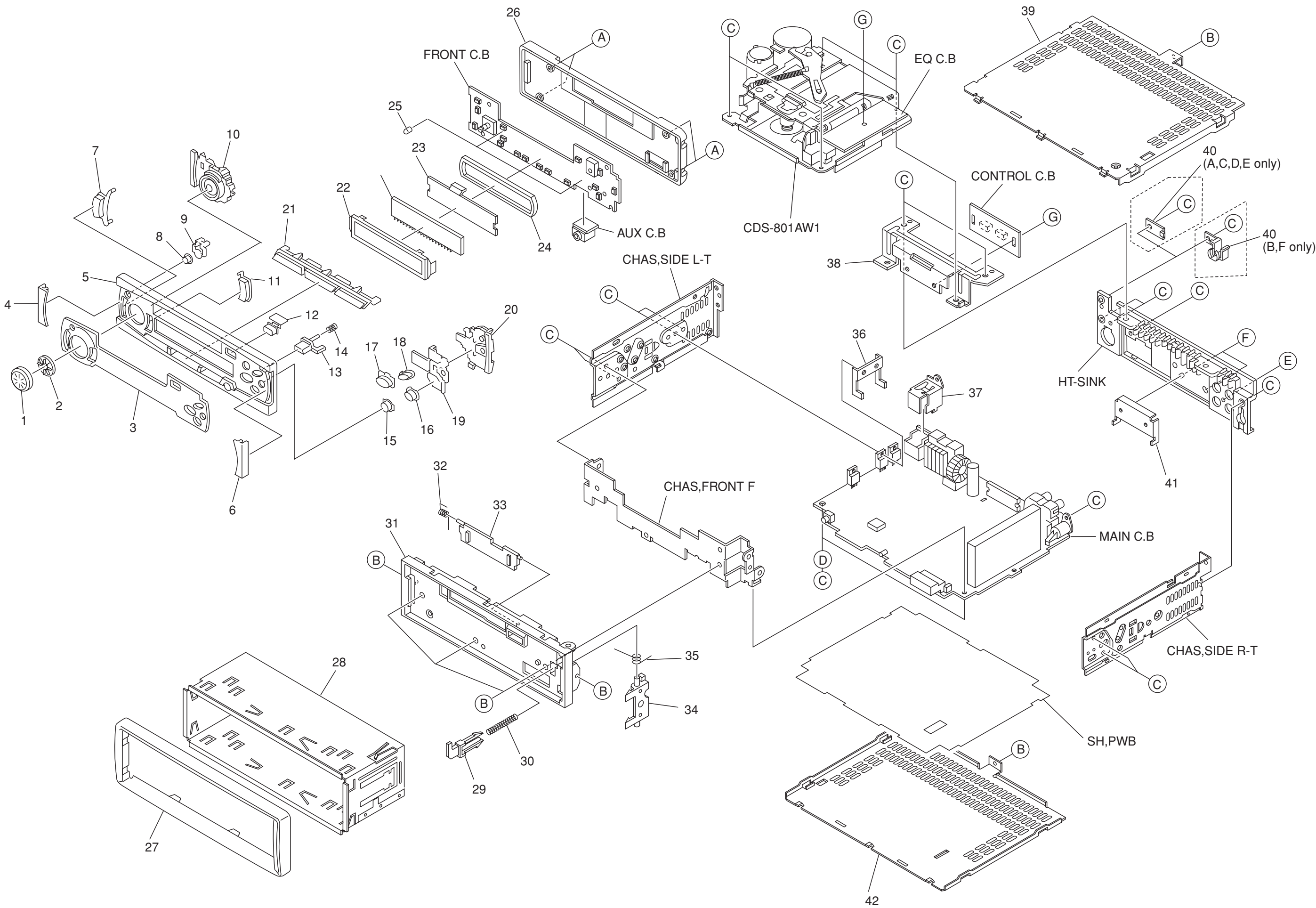
<CHARACTER NAME>



No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
COM1	---	---	---	COM1	MT	TP	AF	2d	2m	2n	Bar2	3d	3m	3n	TA	4d	4m
COM2	---	---	COM2	---	LO	R	DSSA	2e	2l	2k	2c	3e	3l	3k	3c	4e	4l
COM3	---	COM3	---	---	CD-CH	Bar10	Bar9	2f	2j	2i	2b	3f	3j	3i	3b	4f	4j
COM4	COM4	---	---	---	CT	MY INFO	Bar1	1a,e,f,j,k	2g	2h	2a	Bar3	3g	3h	3a	Bar4	4g

No	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
COM1	4n	H-BASS	5d	5m	5n	Dot1	6d	6m	6n	L	7d	7m	7n	Dot3	8d	8m	8n
COM2	4k	4c	5e	5l	5k	5c	6e	6l	6k	6c	7e	7l	7k	7c	8e	8l	8k
COM3	4i	4b	5f	5j	5i	5b	6f	6j	6i	6b	7f	7j	7i	7b	8f	8j	8i
COM4	4h	4a	Bar5	5g	5h	5a	Bar6	6g	6h	6a	Dot2	7g	7h	7a	Bar7	8g	8h

No	35	36	37	38	39
COM1	---	9d	9m	9n	ST
COM2	8c	9e	9l	9k	9c
COM3	8b	9f	9j	9i	9b
COM4	8a	Bar8	9g	9h	9a



MECHANICAL MAIN PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
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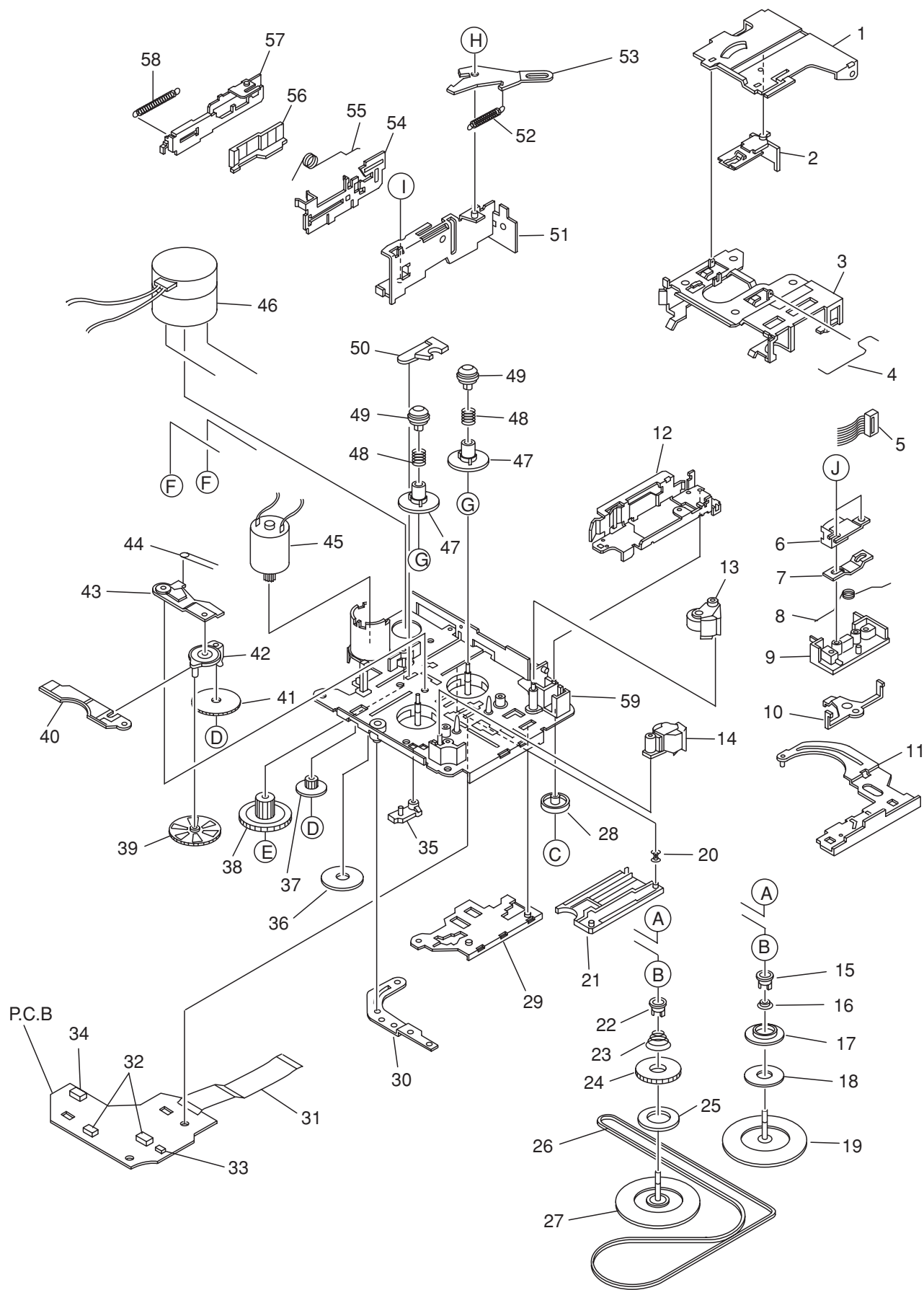
REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-KT5-020-010		KNOB,RTRY A<YUST,YZST>	26	8A-KT9-002-010		CABI,REAR 9
1	8A-KTF-020-010		KNOB,RTRY NON RUBBER	27	8A-KTF-003-010		CABI,TRIM F
			<EXCEPT YUST,YZST>	28	8Z-KT1-231-010		HLDR,HALF -T
2	8A-KT5-021-010		RING,RTRY A	29	8Z-KTA-203-010		LEVER,DFP LOCK -T10
3	8A-KT9-003-010		WINDOW,LCD 9<EXCEPT YLS,YZST>	30	8Z-KTA-221-010		SPR-C,DETACH LOCK-T10
3	8A-KT8-001-010		WINDOW,LCD FR530M<YZST>				
				31	8A-KT9-004-010		CABI,BASE 9
3	8A-KT9-006-010		WINDOW,LCD FX5300M<YLS>	32	8Z-KT1-244-010		SPR-T,DOOR Z
4	8A-KTF-004-010		WINDOW,L F	33	8Z-KT1-023-110		DOOR,CASS
5	8A-KT9-001-010		CABI,FRONT 9	34	8Z-KTA-204-110		LEVER,DEF HOOK -T10
6	8A-KTF-005-010		WINDOW,R F	35	8Z-KTA-222-010		SPR-T,DETACH LOCK-T10
7	8A-KTF-013-010		BTN,PNC F				
				36	8A-KT5-204-010		HLDR,TR
8	8A-KT5-012-010		BTN,PWR	37	8A-KT5-216-010		HLDR,DIN 13P
9	8A-KT5-210-010		HLDR,BTN MU	38	8A-KT9-201-010		HLDR,DECK 9
10	8A-KTF-205-010		LENS,ENCO F	39	8Z-KT1-211-010		COVER, TOP -T
11	8A-KT5-017-010		BTN,UP/DN	40	8Z-KT5-201-010		COVER, ISO BLIND -T
12	8A-KT9-005-010		BTN,EJECT 9				<YUST,YHST,YJS,YLS>
				40	8Z-KT1-257-010		HLDR,ISO-WIRE -T<YZST>
13	8A-KTF-015-010		BTN,DETACH	40	8A-KT5-219-010		HLDR,ISO-WIRE 5<YVJST>
14	8Z-KTA-223-010		SPR-C,RELEASE -T10	41	8A-KT5-201-010		HLDR,IC 5
15	8A-KT1-004-010		BTN,AF<YZST>	42	8Z-KT1-212-010		COVER, BOTTOM -T
15	8A-KT5-015-010		BTN,LO<EXCEPT YZST>	A	8Z-KT1-253-010		S-SCREW,PT 2*8 BH+ BLK
16	8A-KT5-016-010		BTN,INFO<EXCEPT YZST>				
				B	88-KT1-250-010		S-SCREW,THIN HEAD+2.6-4 BLK
16	8A-KT1-003-010		BTN,TA<YZST>	C	87-251-073-410		SCREW,U+2.6-6
17	8A-KT5-013-010		BTN,DISP	D	87-432-903-010		WASHER,WTE 2.6
18	8A-KT5-014-010		BTN,A/M	E	87-B10-259-010		UT2+3.0-10.0 W/O SLOT (BH TAP
19	8A-KT5-211-010		HLDR,BTN DISP	F	87-251-097-410		U+3-12
20	8A-KTF-206-010		LENS,R F				
21	8A-KT9-007-010		BTN,P.SET 9				
22	8A-KTF-204-010		HLDR,LCD F				
23	8A-KTF-208-010		LENS,LCD F				
24	8A-KTF-207-010		CASE,LCD F				
25	8Z-KTG-207-010		CAP,LAMP BLU B2*4 ALC				

TYPE	MODEL NAME	SUFFIX
A	CT-FX530M	YU
B	CT-FX530M	YV
C	CT-FX530M	YH
D	CT-FX530M	YJ
E	CT-FX5300M	YL
F	CT-FR530M	YZ

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

MECHANISM EXPLODED VIEW 1/1



MECHANISM MAIN PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	SX-080-110-130		CASSETTE HANGER ASSY	36	S1-080-120-050		REDUCTION GEAR B
2	S1-080-120-250		CASSETTE CATCH	37	S1-080-120-040		REDUCTION GEAR A
3	S1-080-110-120		CASSETTE HOLDER	38	S1-080-120-090		MODE GEAR
4	S1-080-140-110		HOLDER STABILIZER SPG	39	S1-080-120-170		REFLECTOR GEAR
5	S1-080-170-270		JOINT WIRE ASSY 6P-AW	40	S1-080-120-150		GEAR BASE LINK
6	S1-080-170-220		HEAD (P-5544-CD)	41	S1-080-120-160		TAKE UP GEAR
7	S1-080-110-090		HEAD SUPPORT SPG	42	SX-080-120-030		GEAR BASE ASSY
8	S1-080-140-010		PINCH ARM SPG	43	S1-080-120-140		GEAR BASE ARM
9	S1-080-120-200		TAPE GUIDE	44	S1-080-140-070		GEAR BASE SPG
10	S1-080-110-050		PINCH SPG ARM	45	SX-080-170-060		SUB MOTOR ASSY
11	SX-080-110-020		SLIDE CHASSIS ASSY	46	SX-080-170-570		MAIN MOTOR ASSY
12	S1-080-110-060		CASSETTE GUIDE	47	S1-080-120-100		REEL SPINDLE
13	SX-080-120-210		PINCH ARM ASSY	48	S1-080-140-080		REEL DRIVER SPG
14	SX-080-120-220		PINCH ARM R ASSY	49	S1-080-120-110		REEL DRIVER
15	S1-080-120-060		SPG HOLDER F	50	S1-080-120-240		RACK LINK
16	S1-080-140-020		TU SPG	51	SX-080-110-080		SIDE BKT ASSY
17	S1-080-120-070		FRICTION GEAR PLAY	52	S1-080-140-090		LOAD ARM SPG
18	S1-080-150-020		FELT 7.5-18.5-1.0	53	S1-080-110-070		LOAD ARM
19	S1-080-160-020		FLYWHEEL ASSY F	54	S1-080-110-110		EJECT CAM PLATE
20	S1-080-130-050		RACK COLLAR	55	S1-080-140-060		HOLDER CUSHION SPG
21	S1-080-120-180		MODE RACK	56	S1-080-120-230		LOAD RACK
22	S1-080-120-300		SPG HOLDER R	57	SX-080-110-100		EJECT CAM LIMITER ASSY
23	S1-080-140-030		FF SPG	58	S1-080-140-050		EJECT CAM PLATE SPG
24	S1-080-120-080		FRICTION GEAR FF	59	SX-080-110-030		MAIN CHASSIS ASSY
25	S1-080-150-040		FELT 11-18.5-1.0	A	S2-181-600-32E		LMW-S 1.6-3.2-0.35
26	S1-080-150-010		BELT	B	S2-182-100-40D		PSW 2.1-4.0-0.25
27	S1-080-160-030		FLYWHEEL ASSY R	C	S2-181-200-32D		PSW-S 1.2-3.2-0.25
28	S1-010-120-560		IDLE PULLEY (A1)	D	S1-003-650-240		PSW-S (REEL B) 1.5-3.2-0.25
29	S1-080-110-030		DIRECTION PLATE	E	S1-821-004-0D2		PSW-S 2.1-4.0-0.25
30	S1-080-110-040		DIRECTION LINK	F	S2-103-200-25C		+SCREW, PLAIN M2-2.5
31	S1-080-170-110		FLAT CABLE 10P	G	S1-080-150-050		REEL WASHER
32	S1-080-170-030		SW (ESE22MH1)	H	S2-171-150-401		E-RING 1.5
33	S1-080-170-240		PHOTO SENSOR (ON2170-QR FS)	I	S2-133-200-35P		S-TYPE PRECISION SCREW M2-3.5
34	S1-080-170-050		SW (SPPB 64)	J	S1-080-150-030		AZIMUTH SCREW
35	S1-080-120-190		MODE SW ACTUATER				

