

Service Manual

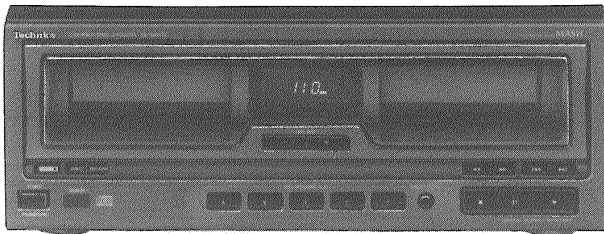
COMPACT
disc
DIGITAL AUDIO**DIGITAL****MASH**
multi-stage noise shaping

Compact Disc Changer

SL-MC409

Colour

(K)...Black Type



Area

Suffix for Model No.	Area	Colour
(PP)	U.S.A. and Canada.	(K)

※ MASH is a trademark of NTT.

Please file and use this manual together with service manual for Model No. SL-MC400, Order No. AD960203C1.

Note: • This service manual is provided to indicate the main differences between the original model No. SL-MC400 (P) and the subsequent model No. SL-MC409 (PP).

LINE-UP OF COMPONENTS

System Name	Unit
* SC-S3700 (for U.S.A.) SC-S3750 (for U.S.A.)	SU-G96 (PP) : Amplifier
	ST-K55 (PP) : Tuner
	RS-TR180 (PP) : Cassette deck
	SL-MC409 (PP) : CD changer
	SB-A37 (PP) : F. speakers (Made in MEP)
	SB-C937 (PP) : C. speakers (Made in MEP)
	SB-S937 (PP) : S. speakers (Made in MEP)
	SH-KS37 (P) : Rack (Made in MEP)
SC-S375 (for Canada)	SH-WA37 (P) : Accessories box
	SU-G96 (PP) : Amplifier
	ST-K55 (PP) : Tuner
	RS-TR180 (PP) : Cassette deck
	SL-MC409 (PP) : CD changer
	SH-8017 (PP) : Graphic equalizer
	SB-A37 (PP) : Speakers (Made in MEP)
	SH-KS37 (PC) : Rack (Made in MEP)
	SH-WA37 (PC) : Accessories box

System Name	Unit
SC-S4750 (for U.S.A.)	SU-G96 (PP) : Amplifier
	ST-K55 (PP) : Tuner
	RS-TR280 (PP) : Cassette deck
	SL-MC409 (PP) : CD changer
	SH-8017 (PP) : Graphic equalizer
	SB-A47 (PP) : F. speakers (Made in MEP)
	SB-C937 (PP) : C. speakers (Made in MEP)
	SB-S937 (PP) : S. speakers (Made in MEP)
	SH-KS47 (P) : Rack (Made in MEP)
	SH-WA47 (P) : Accessories box

Note: * The SB-model speakers and the SH-model rack used with this system have a wood-grain-effect finish.

⚠ WARNING

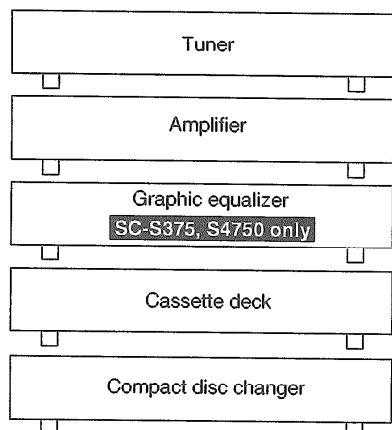
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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■ PLACEMENT

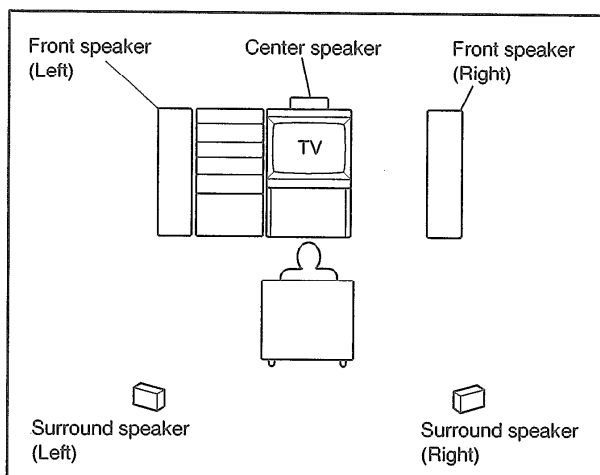
Placement of each unit



Placement of speaker systems

The illustration below is an example when enjoying Dolby Pro Logic Surround system and SFC function.

The listening position at which the effect is the greatest is a position slightly to the rear of a center position of five-speaker systems. However the position should be adjusted to your personal preference, because the effect varies to some degree depending upon the source.



The sound reproduced by a speaker is easily influenced by such factors as room acoustics and the system's location in the room. Before finally deciding where the speakers are to be placed, please read the following information carefully.

- The bass sound will be increased if the speakers are placed on the floor or close to a wall due to the reflection of sound. It is therefore possible to adjust the bass sound to some extent by adjusting the speaker's distance from the wall and/or floor.
- Undesirable resonance or sound reflection will occur if the speakers face a hard wall or window. Curtains or similar materials can be used to prevent these reflections.
- To prevent possible acoustic feedback the speaker system should be kept away from the turntable. Feedback (howling) can result from vibrations from the speakers.
- Keep the speakers away from sources of heat, high humidity and direct sunlight.

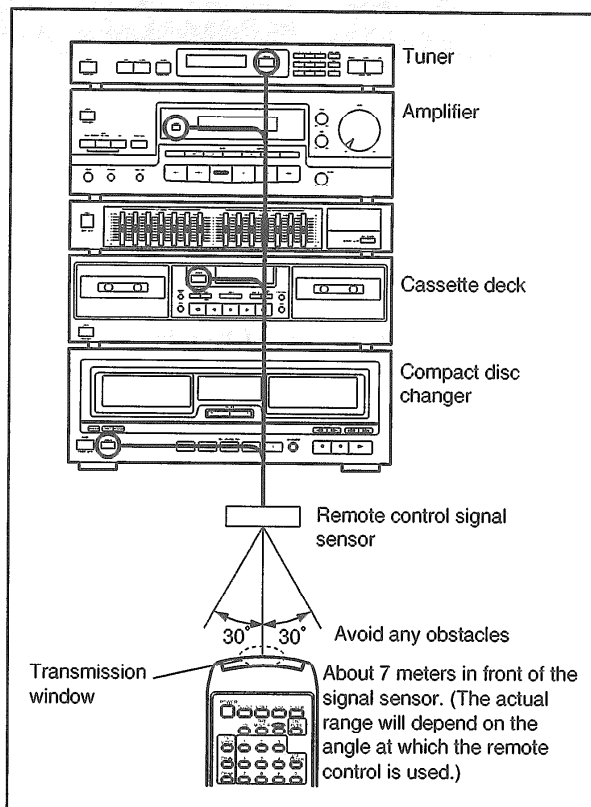
Note for front/center speakers

These speakers are made so as to be able to be used in close proximity to the TV, but irregular coloring may result due to how the system is placed. If such distortion occurs, turn off the TV for some time between 15 and 30 minutes. The demagnetizing function of the TV will eliminate the distortion. If the irregular coloring is still visible, then move the speakers further away from the TV.

Please note that if there is a magnetic object near the TV, irregular coloring may result due to the interaction between the TV and the speaker.

■ CONCERNING THE REMOTE CONTROL

Method for use

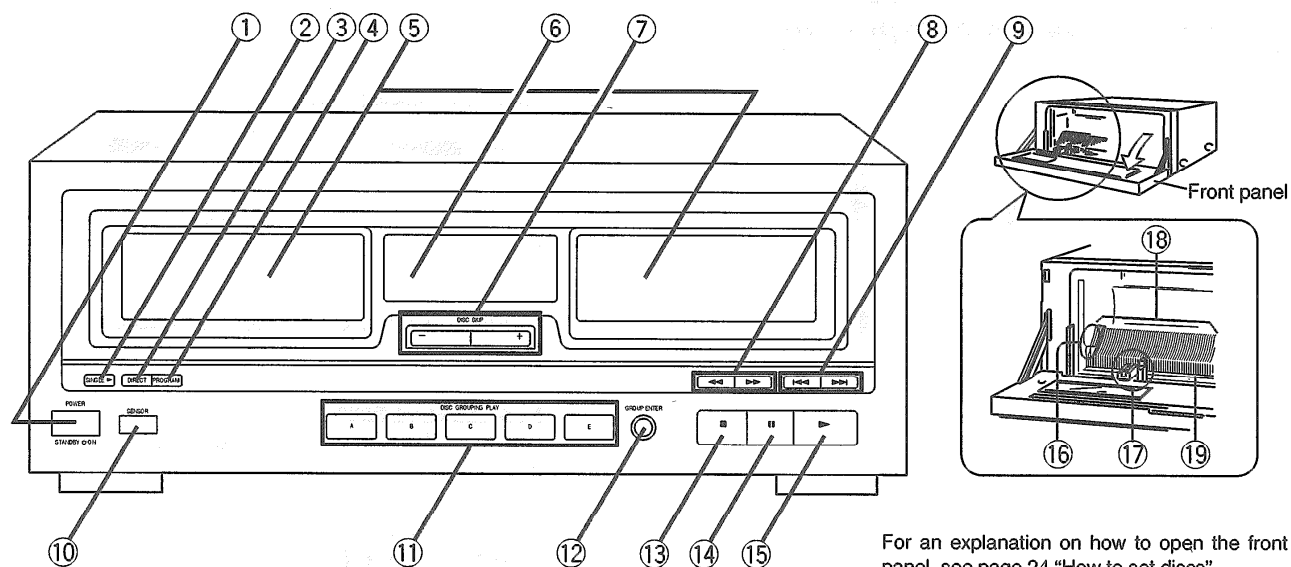









Note




Be sure the transmission window and the signal sensor are free from dust. Excessive dust might affect performance.

The operation may not be correct if direct sunlight or another strong light source strikes the signal sensor of this unit. If there is a problem, place the unit away from the light source.

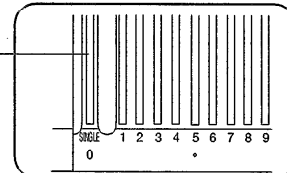
FRONT PANEL CONTROLS



No.	Name
①	Power "STANDBY /ON" switch (POWER, STANDBY /ON) Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
②	Single disc play button (SINGLE )
③	Direct programming button (DIRECT)
④	Programming button (PROGRAM)
⑤	Windows
⑥	Display
⑦	Disc skip buttons (DISC SKIP - / +)
⑧	Search buttons ( , )
⑨	Track skip buttons ( , )
⑩	Remote control signal sensor (SENSOR)
⑪	Disc group buttons (DISC GROUPING PLAY, A, B, C, D, E)
⑫	Group enter button (GROUP ENTER)

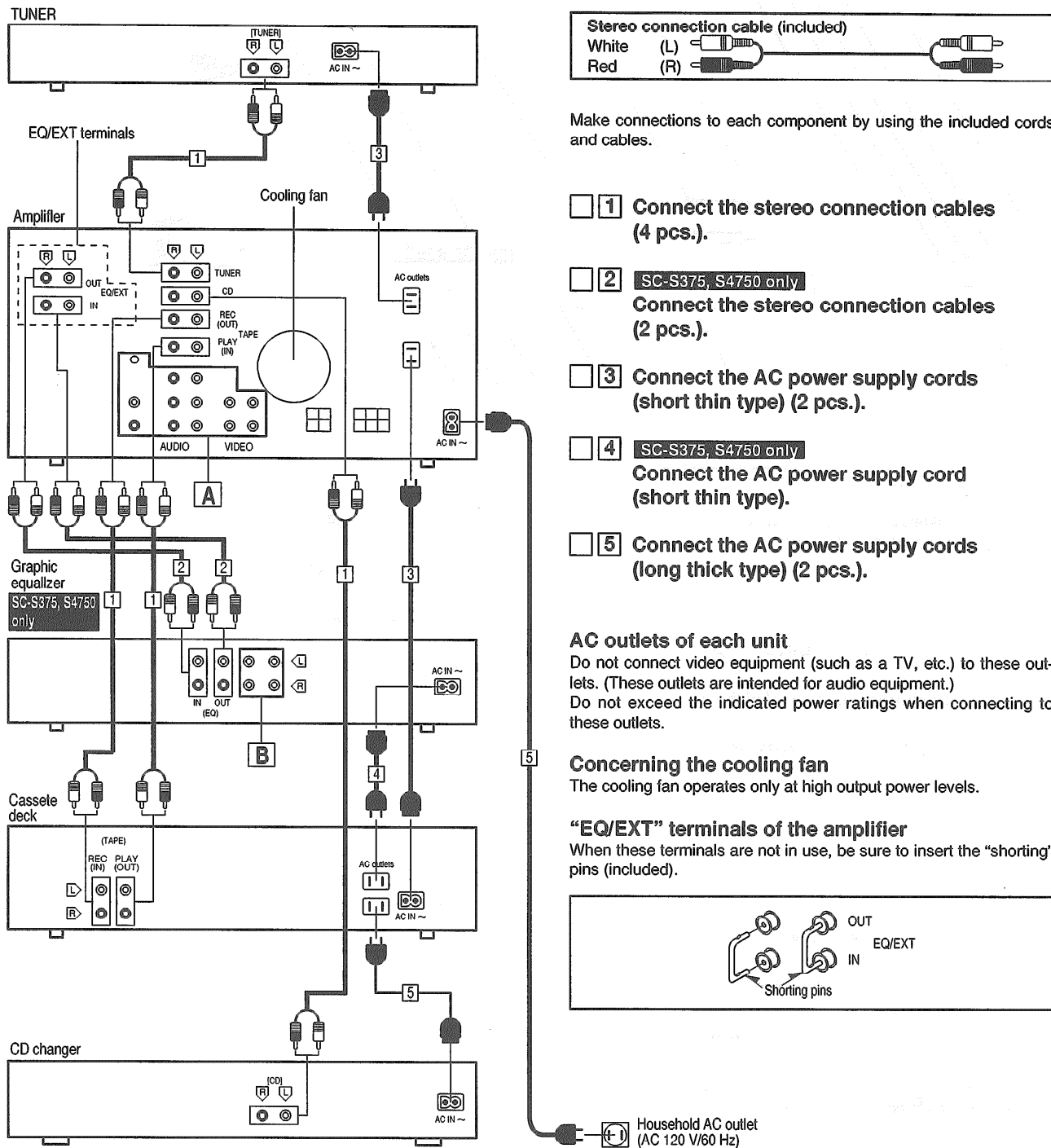
No.	Name
⑬	Stop button ()
⑭	Pause button ()
⑮	Play button ()
⑯	Disc slot for single disc play (SINGLE)
⑰	Loader carriage
⑱	Disc slots
⑲	Slot numbers

Disc slot for single disc play



EQUIPMENT CONNECTIONS

Connecting system components



Connecting external units

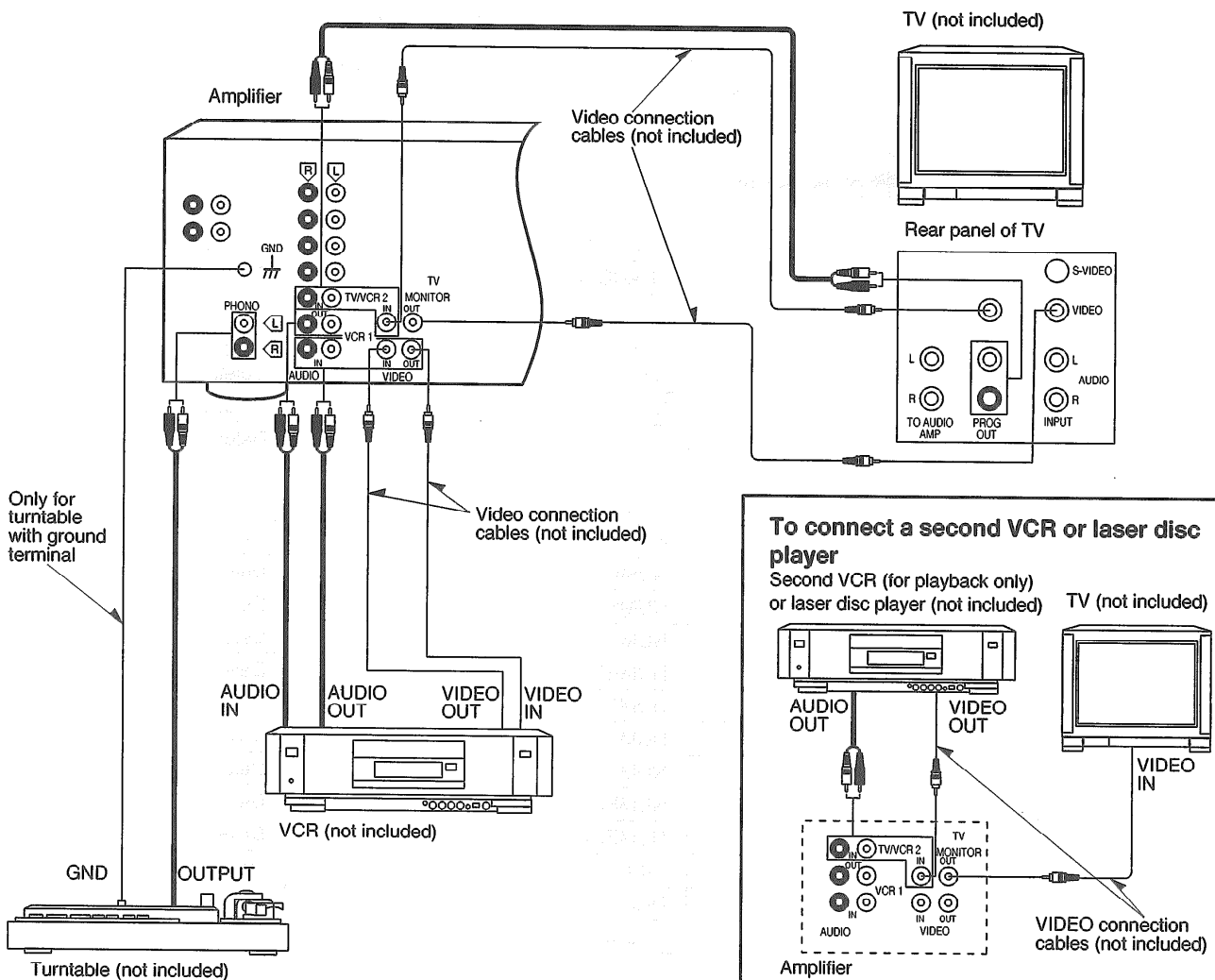
For details, refer to the instruction manual of the unit to be connected.

Stereo connection cable (not included)

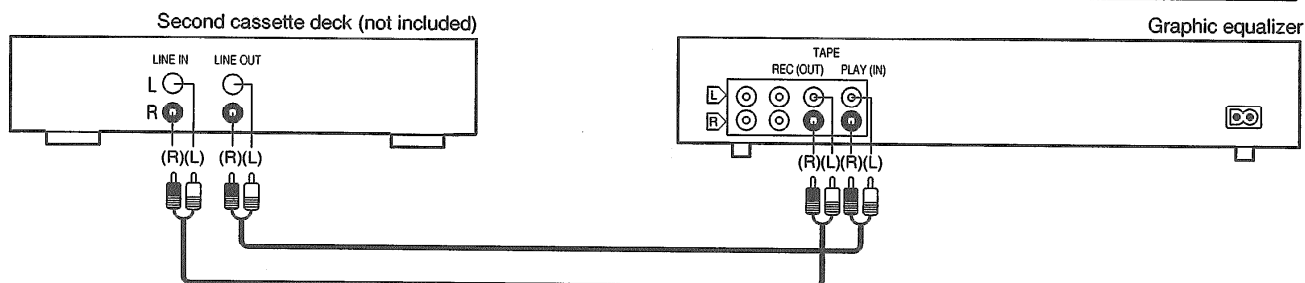
White (L)
Red (R)



A Connecting a turntable, VCR and TV



B Connecting a second cassette deck SC-S375, S4750 only



CHANGES

CHANGE IN REPLACEMENT PARTS LIST

(SL-MC400 Service Manual of Pages 68~71, 76.)

- Notes:**
- Mentioned in this parts list is only those different from Model No.SL-MC400 (P). All other parts are the same as for SL-MC400 (P).
 - Important safety notice:
Components identified by Δ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
 - The "(SF)" mark denotes the standard parts.

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SL-MC400 (P)	SL-MC409 (PP)		
TRANSISTOR(S)				
Q431	UN4214TA	——	TRANSISTOR	Deletion
Q433	2SB1238QSTV6	——	TRANSISTOR	Deletion
DIODE(S)				
D26, 27	RL1N4003N02	——	DIODE	Deletion
D431	MA4030MTA	——	DIODE	Deletion
D601~604	MA165	——	DIODE	Deletion
D620~629	SLR-332DC3F	——	L.E.D.	Deletion
SWITCH(ES)				
S621	EVQ21405R	——	NUMERIC 0	Deletion
S622	EVQ21405R	——	NUMERIC 1	Deletion
S623	EVQ21405R	——	NUMERIC 2	Deletion
S624	EVQ21405R	——	NUMERIC 3	Deletion
S625	EVQ21405R	——	NUMERIC 4	Deletion
S626	EVQ21405R	——	NUMERIC 5	Deletion
S627	EVQ21405R	——	NUMERIC 6	Deletion
S628	EVQ21405R	——	NUMERIC 7	Deletion
S629	EVQ21405R	——	NUMERIC 8	Deletion
S630	EVQ21405R	——	NUMERIC 9	Deletion
S631	EVQ21405R	——	NUMERIC >10	Deletion
S633	EVQ21405R	——	DISC SELECTOR	Deletion
S634	EVQ21405R	——	DISC ENTER	Deletion
S636	EVQ21405R	——	ID SCAN	Deletion
CONNECTOR(S) AND SOCKET(S)				
CN604	RJT057W004-1	——	CONNECTOR (4P)	Deletion
CN605	RJU057W004	——	SOCKET (4P)	Deletion
CN606	RJT057W004-1	——	CONNECTOR (4P)	Deletion
CN607	RJU057W004	——	SOCKET (4P)	Deletion
RESISTORS				
R431	ERDS2TJ332	——	C. RESISTOR	Deletion
R433	ERDS2TJ680T	——	C. RESISTOR	Deletion
R607, 608	ERDS2TJ100	——	C. RESISTOR	Deletion
CAPACITORS				
C23, 24	RCE1EM471BV	——	E. CAPACITOR	Deletion

Note: Those sections where parts (transistor(s), diode(s), switch(es), connector(s) and socket(s), resistors, capacitors) have been removed from are all open.

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SL-MC400 (P)	SL-MC409 (PP)		
CABINET AND CHASSIS				
4	RGL0310-Q	—	DISC INDICATOR (L)	Deletion
5	RGL0325-Q	—	DISC INDICATOR (R)	Deletion
8	RGR0231A-D1	RGR0231A-G1	REAR PLATE	
9	RFKJLMC400PK	RFKJLMC409PP	CHASSIS ASS'Y	
9-1	RKA0053-A	RKA0053-K	FOOT	
22	RFKGLMC400PK	RFKGLMC409PP	FRONT PANEL ASS'Y	
41	RGU1324-1K1	—	NUMERIC BUTTON	Deletion
42	RGK0534-N	—	ORNAMENT RING	Deletion
43	RGU1325-K1	—	ID SCAN BUTTON	Deletion
PACKING MATERIAL				
P1	RPG2726	RPG2730	PACKING CASE	
P3	RPQ0164	—	PAD	Deletion
P4	SPP730	—	PROTECTION BAG (UNIT)	Deletion
P5	RPF0139	—	PROTECTION BAG (F.B.)	Deletion
ACCESSORIES				
※ A1	RFKSLMC400PK	RKFShWA37P-K	INSTRUCTION MANUAL ASS'Y	SC-S3700/S3750/S4750 for U.S.A.
		RFKShWA27PCK		SC-S375 for Canada
※ A2	RQA0114	RQA0114	WARRANTY CARD	SC-S3700/S3750/S4750 for U.S.A.
		SQX7183		SC-S375 for Canada
※ A3	RQCB0391	RQCB0391	SERVICENTER LIST	SC-S3700/S3750/S4750 for U.S.A.
		SQX9131		SC-S375 for Canada
※ A4	RAK-SL413WH	RAK-SA607MH	REMOTE CONTROL TRANSMITTER	
※ A4-1	RKK0080-K	RKK0020-K	BATTERY COVER FOR R/C TR.	
※ A9	—	RSA0006	FM INDOOR ANTENNA	Addition
※ A10	—	RSA0010	AM LOOP ANTENNA SET	Addition
※ A10-1	—	RMN0244	AM LOOP ANTENNA HOLDER	Addition
※ A10-2	—	XTN3+12AFZ	SCREW	Addition
※ A11	—	SJA175-2A	AC POWER SUPPLY CORD (SHORT)	△ (SF) Addition SC-S3700/S3750/S4750 for U.S.A., SC-S375 for Canada
※ A12	—	SJA175-2A	AC POWER SUPPLY CORD (SHORT)	△ (SF) Addition SC-S375 for Canada
※ A13	—	SJP2249-3	STEREO CONNECTION CABLE	△ (SF) Addition SC-S375 for Canada

- Notes:**
- Parts identified by the "※" mark are contained in the carton (accessories box) of SH-WA37 (P, PC), SH-WA47 (P) listed in the table "LINE-UP OF COMPONENTS" on pages 1, 2.
 - Refer to the packaging on page 5 of the Technical Information for Model No. SH-WA07/SH-WA17/SH-WA27/SH-WA37/SH-WA47, Order No. AD9601007T1.