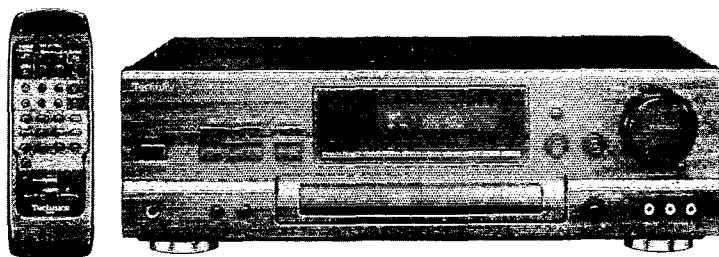


Service Manual

AV Control Stereo Receiver

Receiver

SA-GX190



Colour

(K) ... Black Type

Area

Suffix for Model No.	Area	Colour
(EB)	Great Britain.	(K)

Please file and use this manual together with the service manual for Model No. SA-GX170, Order No. AD9405119C8.

Note: • This service manual is provided to indicate the main differences between the original model No. SA-GX170 (EB) and the subsequent model No. SA-GX190 (EB).

CHANGES

■ CHANGE IN REPLACEMENT PARTS LIST (SA-GX170 Service Manual pages 38~44.)

- Notes:** • Mentioned in this parts list is only those different from Model No. SA-GX170 (EB).
All other parts are the same as for SA-GX170 (EB).
- Important safety notice:
Components identified by \triangle 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.
 - [M] Indicates in Remarks columns parts that are supplied by MESA.

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SA-GX170 (EB)	SA-GX190 (EB)		
INTEGRATED CIRCUIT(S)				
IC451	AN6558-FSG	AN6558-F	PHONO EQ AMP	[M]
IC901	LC8A012C5481	LC8A012C5524	MICROCOMPUTER	
TRANSISTOR(S)				
Q107, 108	2SC3311ARSTA	2SC3311AR	TRANSISTOR	
Q191 - 193	2SC3311ARSTA	2SC3311AR	TRANSISTOR	
Q505, 506	2SC3311AIRTA	2SC3311AR	TRANSISTOR	
Q601 - 603	2SA1309AIRTA	2SA1309A-R	TRANSISTOR	
Q651, 652	2SA1309AIRTA	2SA1309A-R	TRANSISTOR	
Q653	2SB621AQSTA	2SB621ARTTA	TRANSISTOR	\triangle
Q654, 655	2SA1309AIRTA	2SA1309A-R	TRANSISTOR	

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Technics®

⚠ 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.

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SA-GX170 (EB)	→ SA-GX190 (EB)		
Q701	2SD1761DEF	2SD2374PQAU	TRANSISTOR	△
Q703-705	2SC3311AIRTA	2SC3311AR	TRANSISTOR	△
Q707	2SB1187DEF	2SB1548PQAU	TRANSISTOR	△
Q709	2SB1187DEF	2SB1548PQAU	TRANSISTOR	△
Q901	UN4214TA	RVTDTC114YST	TRANSISTOR	
Q902	2SA1309AIRTA	2SA1309A-R	TRANSISTOR	△
Q903	UN4113TA	RVTDTA144EST	TRANSISTOR	
Q904	UN4214TA	RVTDTC114YST	TRANSISTOR	
Q906	2SA1309AIRTA	2SA1309A-R	TRANSISTOR	
DIODE(S)				
D101	MA4051MTA	MTZJ5R1BTA	DIODE	△
D401	MA4075MTA	MTZJ7R5CTA	DIODE	△
D605, 606	SB3606501T	SB360L6508	DIODE	
D652	MA4056MTA	MTZJ5R6BTA	DIODE	
D701-704	P300D5002T	P300DLF	DIODE	△
D707, 708	MA4062MTA	MTZJ6R2BTA	DIODE	△
D710	MA4220MTA	MTZJ22DTA	DIODE	△
D712	MA4160M	MTZJ16CTA	DIODE	△
D756	MA4068M	MTZJ6R8CTA	DIODE	△
D903	MA4056MTA	MTZJ5R6BTA	DIODE	△
D911	—	MA165	DIODE	Addition
D922	MA4039MTA	MTZJ3R9ATA	DIODE	△
COIL(S)				
L151	SLM1B10M-1M	SLM1B10-1M	COIL	
FILTER(S) AND OSCILLATOR(S)				
X102	RLFDGTD01I	RLFDFT11DD	OSCILLATOR (10.65MHz)	
CONNECTOR(S) AND SOCKET(S)				
CP501	RJT003K010-1	RJT003K010M1	CONNECTOR (10P)	
JACK(S) AND TERMINAL(S)				
JK101	RJH4202M	RJH4202	ANT TERMINAL	
RESISTORS				
R625	ERD25FJ220	ERD2FCVG470T	1/4W 47Ω	△
R705	ERDS1FVJ6R8T	ERD2FCVJ4R7T	1/4W 4.7Ω	△
R719	ERDS1FVJ220T	ERD2FCVJ6R8T	1/4W 6.8Ω	△
R723	ERD25FVJ4R7T	ERD2FCVJ4R7T	1/4W 4.7Ω	△
R728	ERDS1FVJ100T	ERD2FCVJ4R7T	1/4W 4.7Ω	△
R729	ERDS2TJ332	ERDS2TJ152	1/4W 1.5kΩ	
CAPACITORS				
C135, 136	ECBT1C103KS5	ECBT1C103MS5	16V 0.01μF	
C487, 488	ECQV1H683JM3	ECQV1H683JZ3	50V 0.068μF	
C611, 612	ECQV1H473JM3	ECQV1H473JZ3	50V 0.047μF	
C655	RCE0JKA221BV	ECEA0JKA221B	6.3V 220μF	
C707	RCE1VM101BV	ECA1VM101B	35V 100μF	

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	SA-GX170 (EB)	SA-GX190 (EB)		
CABINET AND CHASSIS				
1	RHD30035-K1	SNE2129-1	SCREW	
2	RKM0260B-K	RKM0260B-KJ	CABINET	[M]
4	RGR0178B-C1	RGR0178B-G1	REAR PANEL	[M]
5	RFKJAGX170PK	RFKJAGX190PK	BOTTOM CHASSIS ASS'Y	[M]
7	RMC0158	RMC0158-S	TRANSISTOR HOLDER	[M]
12	RGW0145-1K	RGW0145-1KJ	VOLUME KNOB	
14	RFKGAGX170E	RFKGAGX190EB	FRONT PANEL ASS'Y	[M]
21	RWJ1813300QK	RWJ1806300KQ	FLAT CABLE (6 P) (W701A)	
30	REZ0682	RWJ1803140KQ	FLAT CABLE (3 P) (W651)	
34	—	RWJ1807300KQ	FLAT CABLE (7 P) (W701B)	Addition
PACKING MATERIAL				
P1	RPG2063	RPG2309	PACKING CASE	[M]
P2	RPN0752	RPN0865	CUSHION	[M]
P5	XZB60X65A01Z	RPF0100	PROTECTION BAG (UNIT)	[M]
ACCESSORIES				
A1	RQT2458-B	RQT3046-B	INSTRUCTION MANUAL	[M]
A3	RSA0007	SSA270M	FM INDOOR ANTENNA	
A4-2	XTN3+10AFZ	XTN3+12AFZ	SCREW	
A7	RAK-SA113XH	EUR643860	REMOTE CONTROL TRANSMITTER	[M]
A7-1	RKK0057-K	UR64EC1371	BATTERY COVER	FOR R/C TRANSMITTER

SCHEMATIC DIAGRAM

(SA-GX170 Service Manual page 25.)

PRINTED CIRCUIT BOARDS

(SA-GX170 Service Manual page 30.)

SA-GX190 (EB)

