

TC-230/230W

SONY®

TC Service Bulletin

No. 68-0005

TC-230 Serial No. 23,580 and after, for USA 11,700 and after, for Canada 15,701 and after, for other market	TC-230W Serial No. 11,000 and after, for USA 5,100 and after, for Canada 13,401 and after, for other market	DATE: Feb, 1968

Subject: Change of Transistors and Resistor

Reason: High quality Semiconductors are newly developed.

Description:

Transistors

Symbol	Former Type	New Type	Symbol	Former Type	New Type
X101, 201	2SC401-6	2SC631-61	X106, 206	2SC401-5 ~ 7	2SC633-5 ~ 7 2SC634-5 ~ 7
	-7	-71			
	2SC402-6	2SC632-61	※ X107, 207	2SC401-5 ~ 7	2SC634-5 ~ 7
	-7	-71			
X102, 202	2SC401-6	2SC631-61	※ X108, 208	2SC401-5 ~ 7	2SC634-5 ~ 7
	-7	-71			
	2SC402-6	2SC632-61	X111, 211	2SC401-3 ~ 7 2SC401-3 ~ 7	2SC633-5 ~ 7 2SC634-5 ~ 7
	-7	-71			
X103, 203	2SC401-5 ~ 7	2SC633-5 ~ 7			
	2SC402-5 ~ 7	2SC634-5 ~ 7			
X104, 204	2SC401-5 ~ 7	2SC633-5 ~ 7			
	2SC402-5 ~ 7	2SC634-5 ~ 7			
X105, 205	2SC402-5 ~ 7	2SC633-5 ~ 7			
	2SC402-5 ~ 7	2SC634-5 ~ 7			

* In case of replacing X107, X207, X108 or X208, never fail to change the resistors together referring to the table below.

Resistors

Transistor	Resistor to be changed	Former Type		New Type	
		Part Number	Description	Part Number	Description
X107, 207	R146, 246	1-242-690- ¹¹ / ₁₂	5.1 KΩ, RD¼UR, ±5%	1-242-689- ¹¹ / ₁₂	4.7 KΩ, RD¼UR, ±5%
X108, 208	R147, 247	1-242-690- ¹¹ / ₁₂	5.1 KΩ, RD¼UR, ±5%	1-242-689- ¹¹ / ₁₂	4.7 KΩ, RD¼UR, ±5%

Remarks: Transistors of former type are interchangeable with of new type without changing the circuits, except X107, X207, X108 and X208.

SONY CORPORATION

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