

TC-W311

SERVICE MANUAL

*US Model
Canadian Model
E Model
Australian Model*

TC-W311 is the cassette deck of the SEN-311 system.

- TC-W311 is a model designed based on the TC-W301.
The mechanical parts of the TC-W311 differ from those of the TC-W301.
- For additional information not contained in this manual, refer to the TC-W301 Service Manual.

SPECIFICATIONS

Recording system	4-track 2-channel stereo
Frequency response (DOLBY NR OFF)	With TYPE IV cassette (Sony METAL-ES) 30 – 15,000 Hz (± 3 dB) 30 – 13,000 Hz (0 VU recording) With TYPE II cassette (Sony UCX-S) 30 – 13,000 Hz (± 3 dB) With TYPE I cassette (Sony HF-S) 30 – 13,000 Hz (± 3 dB)
Wow and flutter	0.12% WRMS (NAB)
Dimensions	Approx. 430 x 120 x 280 mm (w/h/d) (17 x 4 $\frac{3}{4}$ x 11 inches)
Weight	Approx. 3.5 kg (6 lb. 14 oz.) net

Design and specifications subject to change without notice.

STEREO CASSETTE DECK
SONY®

EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.

- Color Indication of Appearance Parts
Example:

KNOB, BALANCE (WHITE)...(RED)

Parts color Cabinet's color

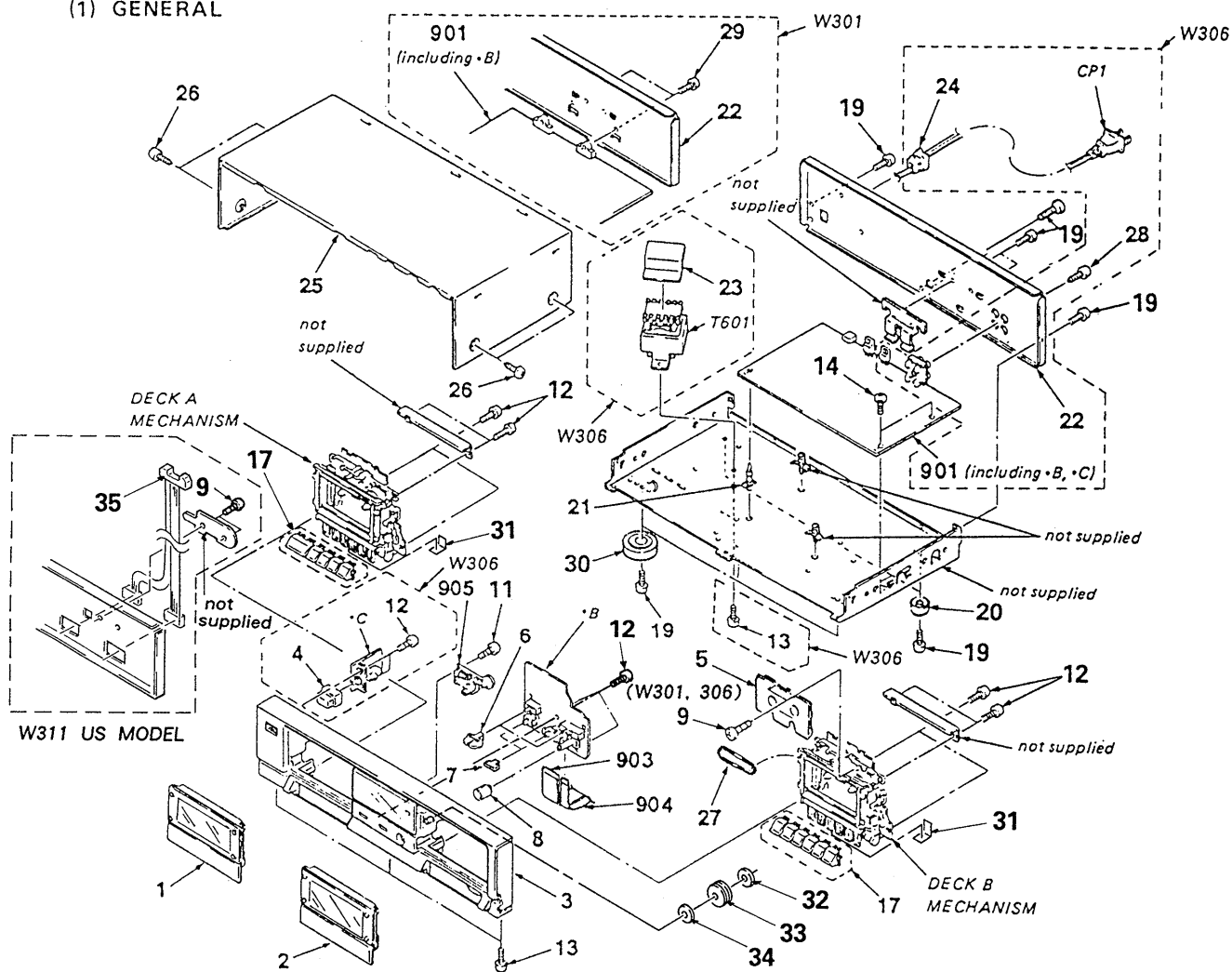
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Refer to page 12 of the TC-W301 Service Manual.

(1) GENERAL



GENERAL PARTS LIST (Parts comparison table of TC-W301 and TC-W311)

Page	Ref. No.	Part No.		Description
		TC-W301	TC-W311	
12	1	X-3340-190-1	← Identical	LID (A) ASSY, CASSETTE
	2	X-3340-189-1	← Identical	LID (B) ASSY, CASSETTE
	3	X-3340-191-1	X-3362-786-1	PANEL ASSY, FRONT
	5	X-3358-214-1	← Identical	PLATE ASSY, ORNAMENTAL
	6	3-346-379-01	← Identical	KNOB (SLIDE)
	7	3-346-381-01	← Identical	BUTTON
	8	3-349-039-01	← Identical	KNOB (VOL)
	9	7-685-133-19	← Identical	SCREW, +BTP 2.6X6 TYPE2 N-S
	11	4-928-635-01	← Identical	SCREW, +BV (2.6X8) TAPPING
	12	4-928-635-21	← Identical	SCREW, +BV (2.6X10) TAPPING
	14	4-886-821-11	Not used	SCREW, S TIGHT, +PTTWH 3X6
	17	4-943-424-01	← Identical	BUTTON (BLOCK B)
	18	4-943-423-01	← Identical	BUTTON (BLOCK A)
	19	7-682-548-09	← Identical	SCREW, +BVTT 3X8 (S)
	20	X-3340-138-1	← Identical	FOOT ASSY (US, Canadian)
		X-3340-173-1	← Identical	FOOT ASSY (E, AUS)
	21	3-346-265-11	← Identical	HOLDER, PC BOARD
	22	*3-349-023-21	*3-349-023-51	PANEL, BACK (US)
		Not used	*3-349-023-61	PANEL, BACK (CND)
		Not used	*3-349-023-71	PANEL, BACK (E, AUS)
	25	*4-943-088-31	← Identical	CASE
	26	3-704-366-01	← Identical	SCREW (CASE) (M3X8)
	27	3-499-042-XX	← Identical	BELT, COUNTER
	29	7-685-646-79	Not used	SCREW, +BVTP 3X8 TYPE 2
	30	X-4904-496-1	X-4941-228-1	FOOT ASSY
	31	Not used	3-359-928-01	FELT (CONDUCTIVE FELT)
	32	3-558-708-11	← Identical	WASHER, STOPPER
	33	3-549-452-00	← Identical	PULLEY, SHUT-OFF
	34	3-701-437-11	← Identical	WASHER
	35	Not used	1-590-537-11	CORD WITH CONNECTOR (US)
	901	*A-2006-071-A	*A-2006-468-A	MOUNTED PCB, AUDIO (US, E, AUS)
		*A-2006-138-A	*A-2006-528-A	MOUNTED PCB, AUDIO (Canadian)
	903	1-574-724-11	1-590-487-11	WIRE, FLAT TYPE (17 CORE)
	904	1-574-723-11	1-590-538-11	WIRE, FLAT TYPE (7 CORE)
	905	1-548-596-61	← Identical	COUNTER, TAPE (MIDDLE TYPE)

• AUS: Australian

ELECTRICAL PARTS LIST

Parts comparison table of TC-W301 and TC-W311

Page	TC-W301				TC-W311			
16	C341	1-126-301-11	ELECT	1MF 20% 50V	C341	1-126-233-11	ELECT	22MF 20% 50V
	C501	1-126-233-11	ELECT	4.7MF 20% 50V	C501	1-126-233-11	ELECT	22MF 20% 50V
17	CN601	*1-566-856-11	SOCKET, CONNETOR 5P (SYSTEM CONTROL 1)		CN601	*1-566-856-41	SOCKET, CONNECTOR 5P (SYSTEM CONTROL 1)(BLU)	
	CN604	1-568-439-11	SOCKET, CONNECTOR 7P		CN604	1-568-826-11	SOCKET, CONNECTOR 7P	
	CN605	1-568-440-11	SOCKET, CONNECTOR 17P		CN605	1-568-836-11	SOCKET, CONNECTOR 17P	
	CN608	1-568-438-11	SOCKET, CONNECTOR 17P		CN608	1-568-860-11	SOCKET, CONNECTOR 17P	
	CN609	1-568-437-11	SOCKET, CONNECTOR 7P		CN609	1-568-850-11	SOCKET, CONNECTOR 7P	
	D401	8-719-107-94	DIODE 1SS202-1		D401	8-719-987-63	DIODE 1N4148M	
	D402	8-719-107-94	DIODE 1SS202-1		D402	8-719-987-63	DIODE 1N4148M	
	D501	8-719-107-94	DIODE 1SS202-1		D501	8-719-987-63	DIODE 1N4148M	
	D504	8-719-107-94	DIODE 1SS202-1		D504	8-719-987-63	DIODE 1N4148M	
	D505	8-719-107-94	DIODE 1SS202-1		D505	8-719-987-63	DIODE 1N4148M	
	D506	8-719-107-94	DIODE 1SS202-1		D506	8-719-987-63	DIODE 1N4148M	
	D507	8-719-107-94	DIODE 1SS202-1		D507	8-719-987-63	DIODE 1N4148M	
	D510	8-719-107-94	DIODE 1SS202-1		D510	8-719-987-63	DIODE 1N4148M	
	D512	8-719-107-94	DIODE 1SS202-1		D512	8-719-987-63	DIODE 1N4148M	
	D516	8-719-107-94	DIODE 1SS202-1		D516	8-719-987-63	DIODE 1N4148M	
	D518	8-719-107-94	DIODE 1SS202-1		D518	8-719-987-63	DIODE 1N4148M	
19	S302	1-571-627-21	SWITCH, SLIDE (DECK A TAPE SELECT)		S302	1-570-974-11	SWITCH, SLIDE (DECK A TAPE SELECT)	