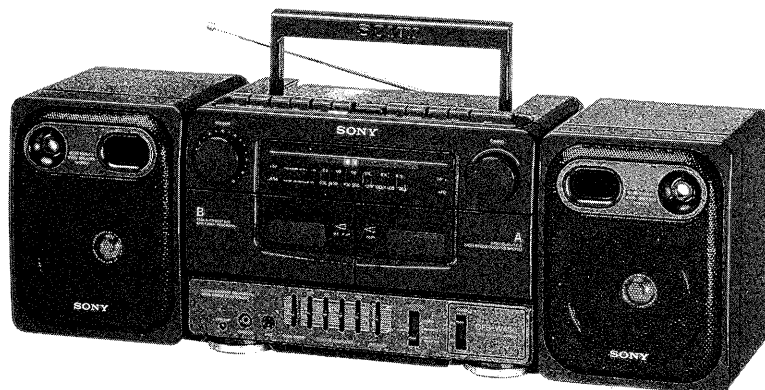


CFS-W430

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model
Australian Model*



Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MF-W430

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven, from 150-10,000 Hz; rated 1.8 W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation. (US model)

Other Specifications

Frequency range	EXCEPT AEP, Italian model : FM : 87.6 -108 MHz : AM : 530-1,710 kHz AEP model : FM : 87.6 -107 MHz : AM : 531-1,602 kHz Italian model : FM : 87.5 -108 MHz : AM : 526.5-1,606.5 kHz
Intermediate frequency	FM : 10.7MHz AM : 455kHz
Antennas	FM : Telescopic antenna AM : Built-in ferrite bar antenna
Recording system	4-track 2-channel stereo
Frequency response	80-8,000 Hz
Speakers	Two way Approx. 10 cm (4 inches) dia. woofer×2 Approx. 2 cm (13/16 inch) dia. tweeter×2

Power output	5W(2.5W+2.5W) (AEP, Italian model) 4.6W(2.3W+2.3W) (at 10% harmonic distortion) in DC operation (except for the US, AEP, Italian model)
Input	External microphone input jack (minijack) Sensitivity 0.775 mV for low impedance microphone
Outputs	Headphones jack (stereo minijack) for 8-300 ohms impedance headphones
Power requirements	US, Canadian, E model : 120V AC, 60Hz AEP, Italian model : 220V-230V AC, 50Hz Australian model : 240V AC, 50Hz 9V DC, six size D (R20) batteries
Power consumption	14W
Battery life	

Batteries	FM recording
Sony SUM-1(NS)	Appox. 18 hours
Sony AM 1 (N) alkaline	Appox. 30 hours

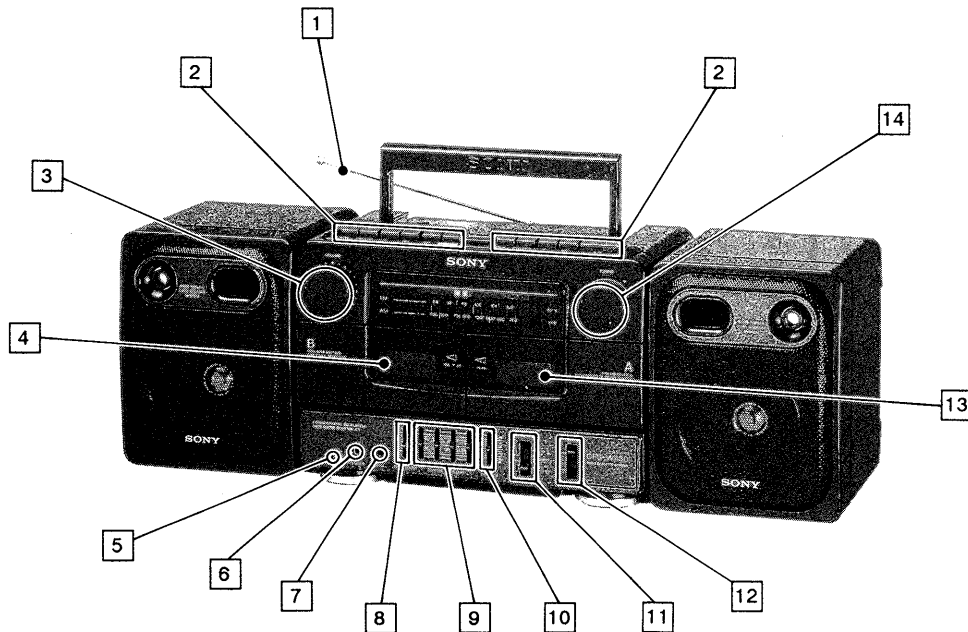
Dimensions	Approx. 580 × 201 × 184 mm (w/h/d) (22 ⁷ / ₈ × 8 ³ / ₈ × 7 ¹ / ₄ inches)
Accessory supplied	Approx. 5.0 kg (10 lb 6 oz) incl. batteries AC power cord (1)

Design and specifications subject to change without notice.

RADIO CASSETTE - CORDER
SONY®

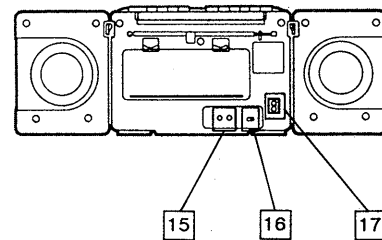
SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS



【FRONT panel】

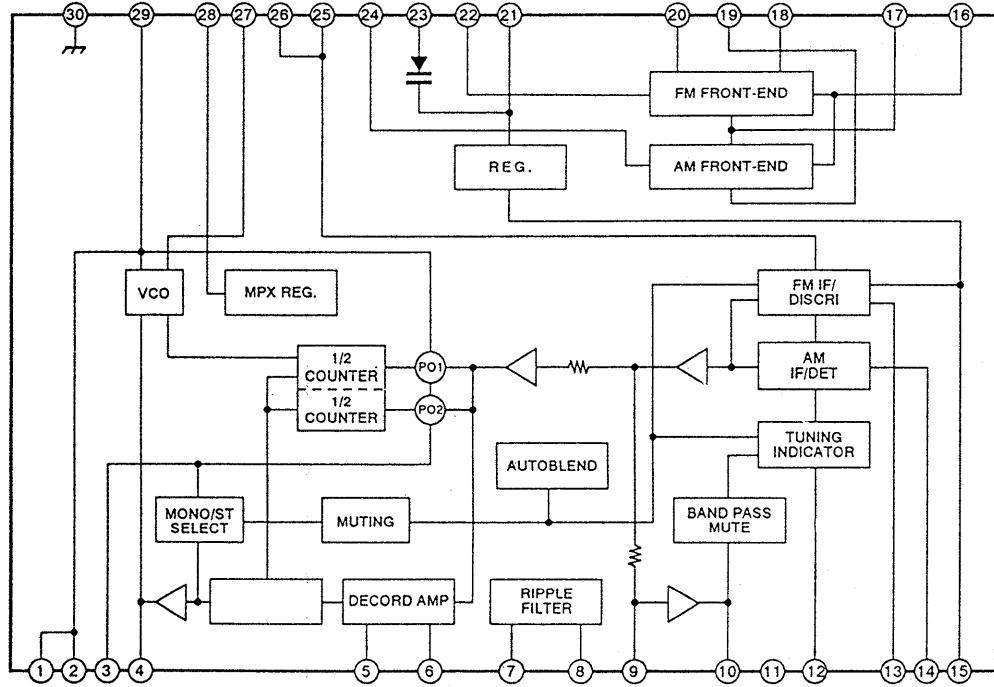
- 1** Telescopic antenna
- 2** Tape operation buttons
 - REC (record) button : (deck B only)
 - ▷ PLAY (play back) button
 - ◀◀ REW (rewind) button
 - ▶▶ FF (fast-forward) button
 - ▢ STOP/EJECT button
 - ▢▢ PAUSE button
- 3** VOLUME knob
- 4** Cassette holder B
- 5** OPR/BATT indicator
- 6** PHONES (headphones) jack (stereo minijack)
- 7** MIC jack (normal minijack)
- 8** BASS BOOST control
- 9** 4-BAND GRAPHIC EQUALIZER controls
- 10** BALANCE knob
- 11** FUNCTION selector
- 12** BAND selector
- 13** Cassette holder A
- 14** TUNING knob



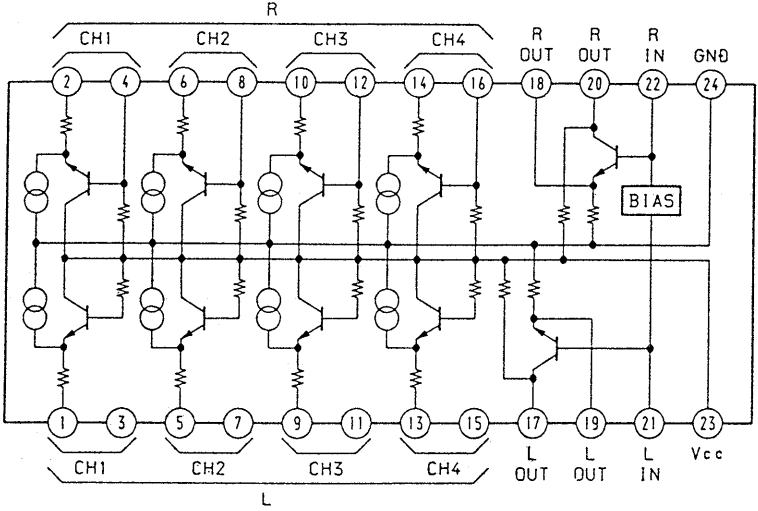
【REAR panel】

- 15** SPEAKER (L, R) jack (monoral minijack)
- 16** ISS (interference suppresser switch)
/ FM MODE selector
- 17** AC IN ~

IC1 CXA1238S



IC102 BA3822L



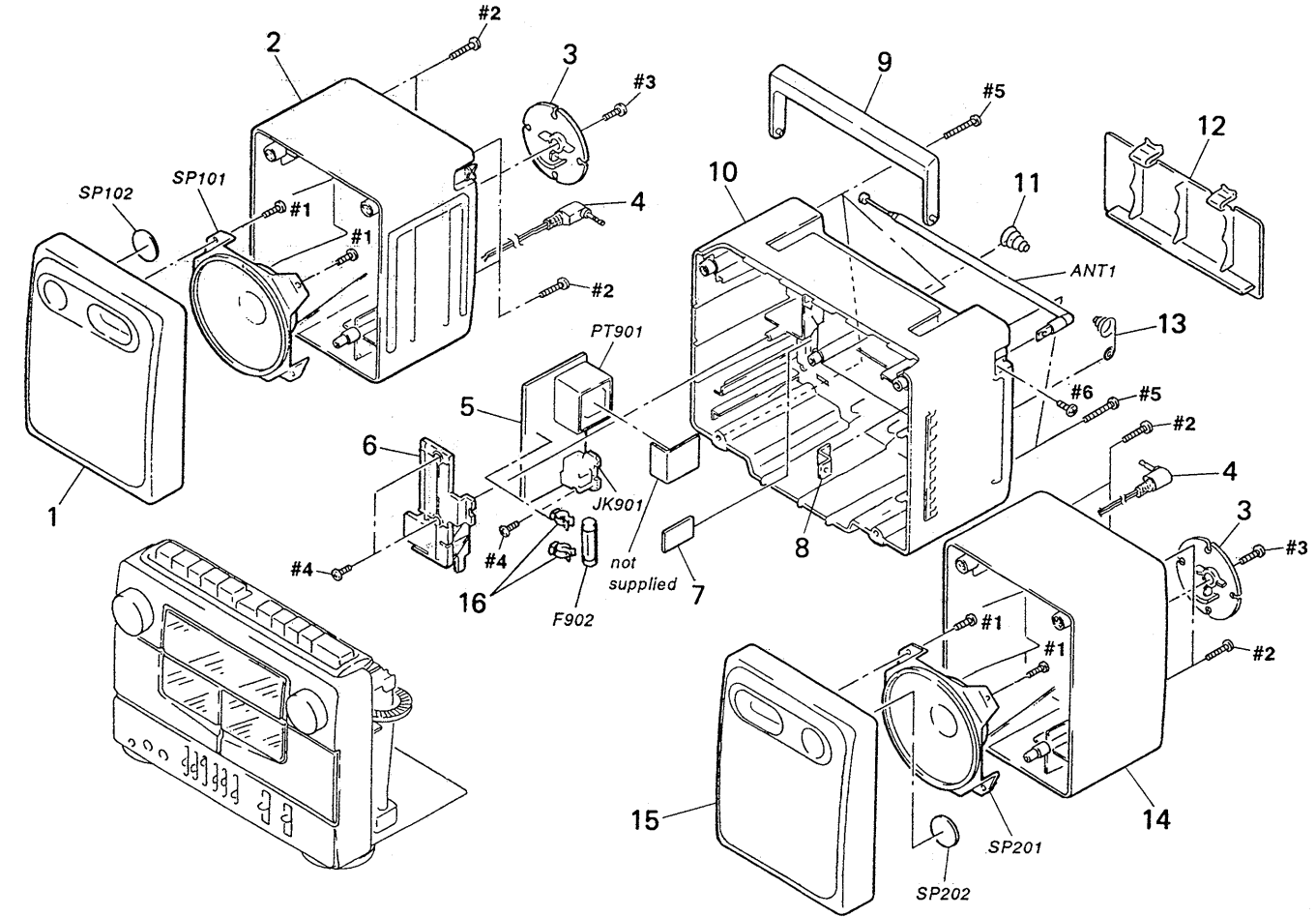
SECTION 6
EXPLODED VIEWS

NOTE :
• -XX, -X mean standardized parts, so they may have some difference from the original one.
• The construction parts of an assembled part are indicated with a collation number in the remark column.

• 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.
• E=E92 : Central and South America
E94 : China
IT : Italian
AUS : Australian

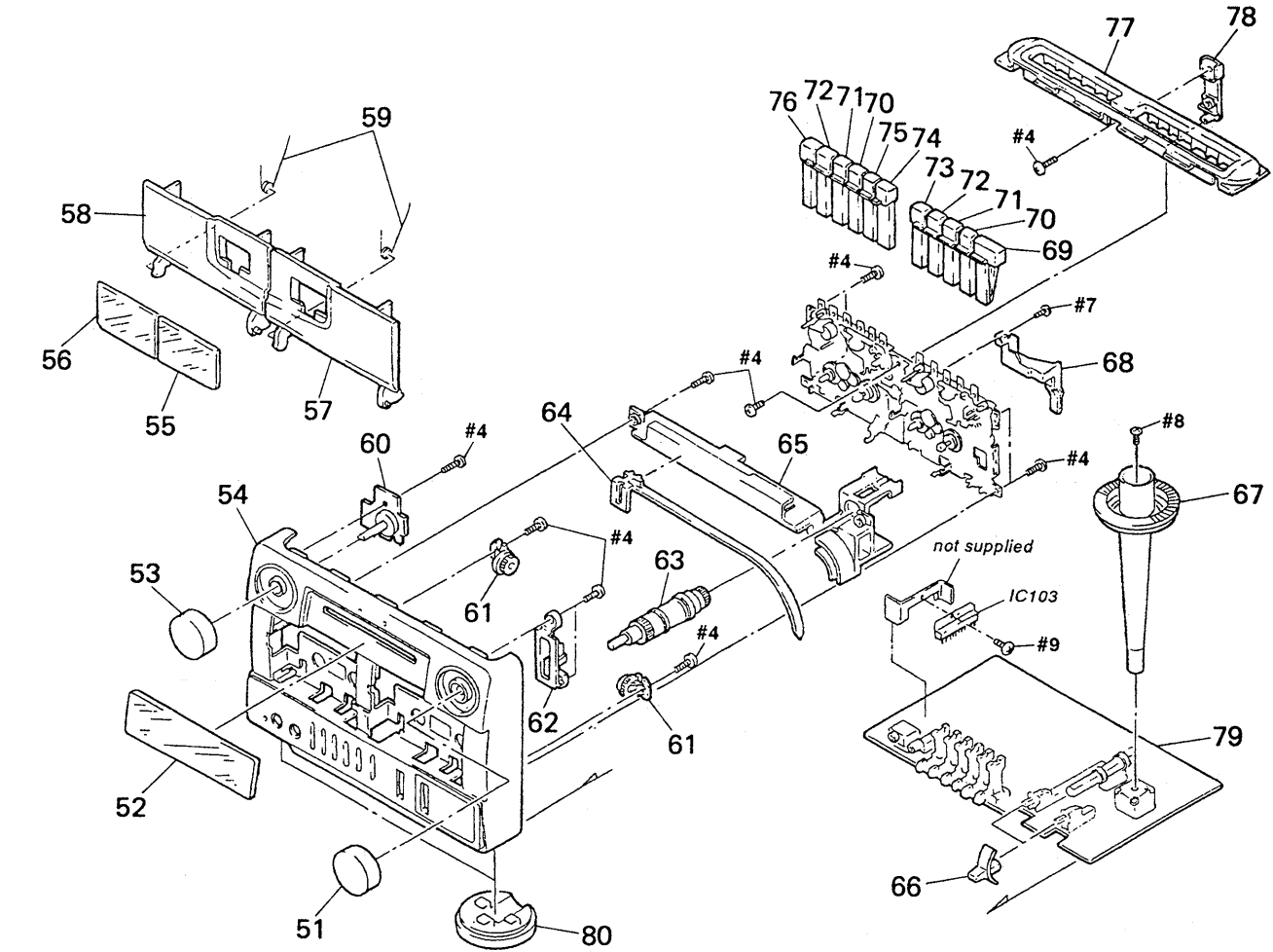
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. GENERAL SECTION-1



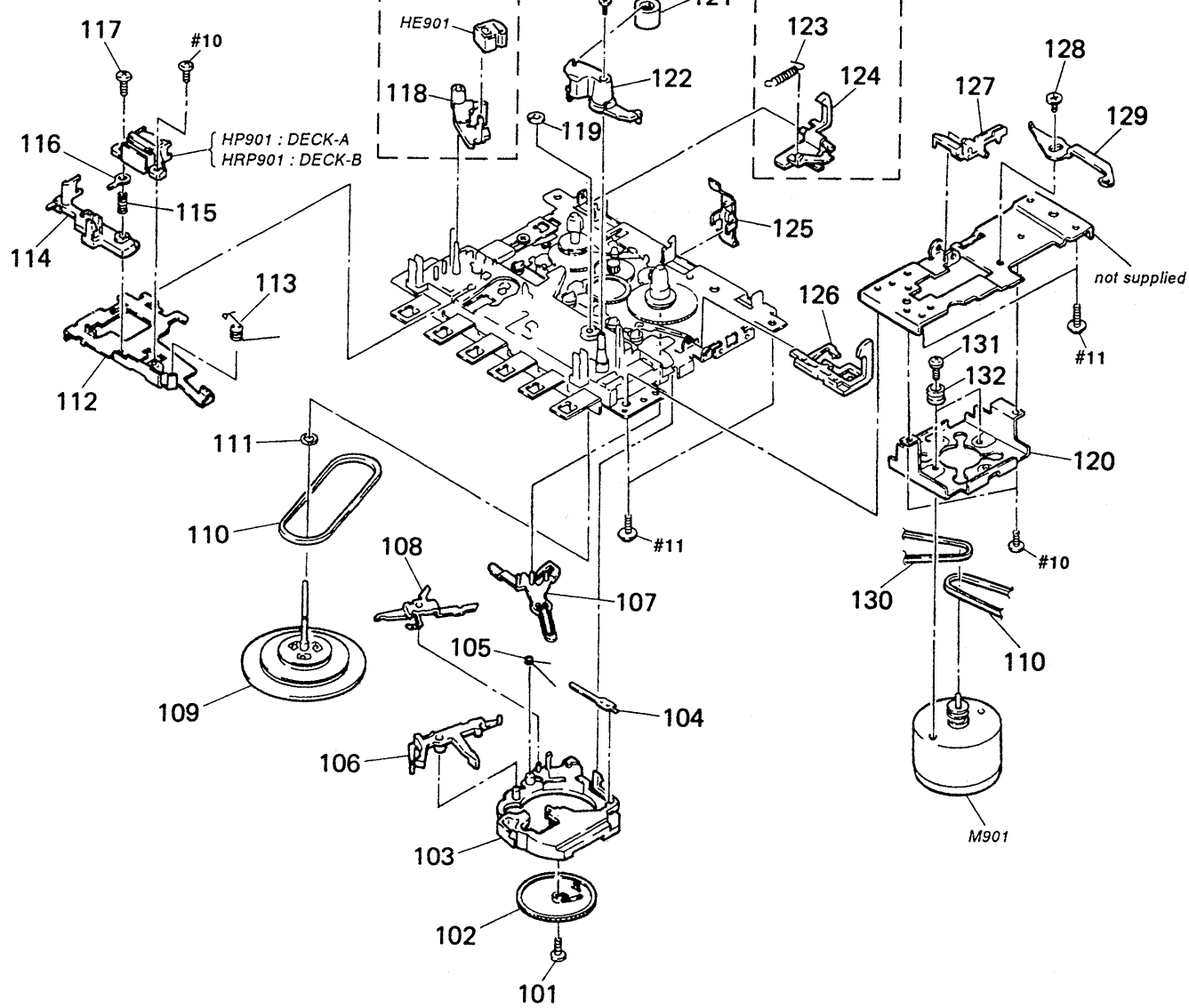
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3365-407-1	FRONT (L) ASSY, SPEAKER		14	3-381-482-01	SPEAKER BACK (R)	
2	3-381-478-01	SPEAKER BACK (L)		15	X-3365-408-1	FRONT (R) ASSY, SPEAKER	
3	3-381-479-01	HOLDER SPEAKER		16	1-533-243-11	HOLDER FUSE (AEP, IT, AUS)	
4	1-575-951-11	CORD, SPEAKER		ANT1	1-501-544-11	ANTENNA, TELESCOPIC	
* 5	1-644-291-11	POWER BOARD		F902	1-532-259-00	FUSE, TIME-LAG (1.6A) (AEP, IT, AUS)	
6	3-381-472-01	HOLDER P/T		JK901	1-540-009-11	INLET, AC (AC IN ~) (US, Canadian)	
* 7	1-640-242-11	BATT BOARD		JK901	1-540-141-11	SOCKET, AC (AC IN ~) (E)	
8	3-381-471-01	ANT LUG		JK901	1-526-838-11	INLET, AC 2P (AC IN ~) (AEP, IT, AUS)	
9	3-381-470-01	HANDLE		PT901	1-423-425-11	TRANSFORMER, POWER (AEP, IT)	
10	3-381-469-01	CABINET (REAR) (US)		PT901	1-448-781-11	TRANSFORMER, POWER (US, Canadian, E)	
10	3-382-395-01	CABINET (REAR) (AEP, IT, E, AUS)		PT901	1-448-779-11	TRANSFORMER, POWER (AUS)	
10	3-382-394-01	CABINET REAR (Canadian)		SP101	1-544-764-11	SPEAKER (10CM)	
11	3-397-813-01	BATTERY SPRING (-)		SP102	1-529-047-11	BUZZER	
12	3-381-439-01	LID, BATTERY CASE		SP201	1-544-764-11	SPEAKER (10CM)	
13	3-397-812-01	BATTERY SPRING (+/-)		SP202	1-529-047-11	BUZZER	

6-2. GENERAL SECTION-2



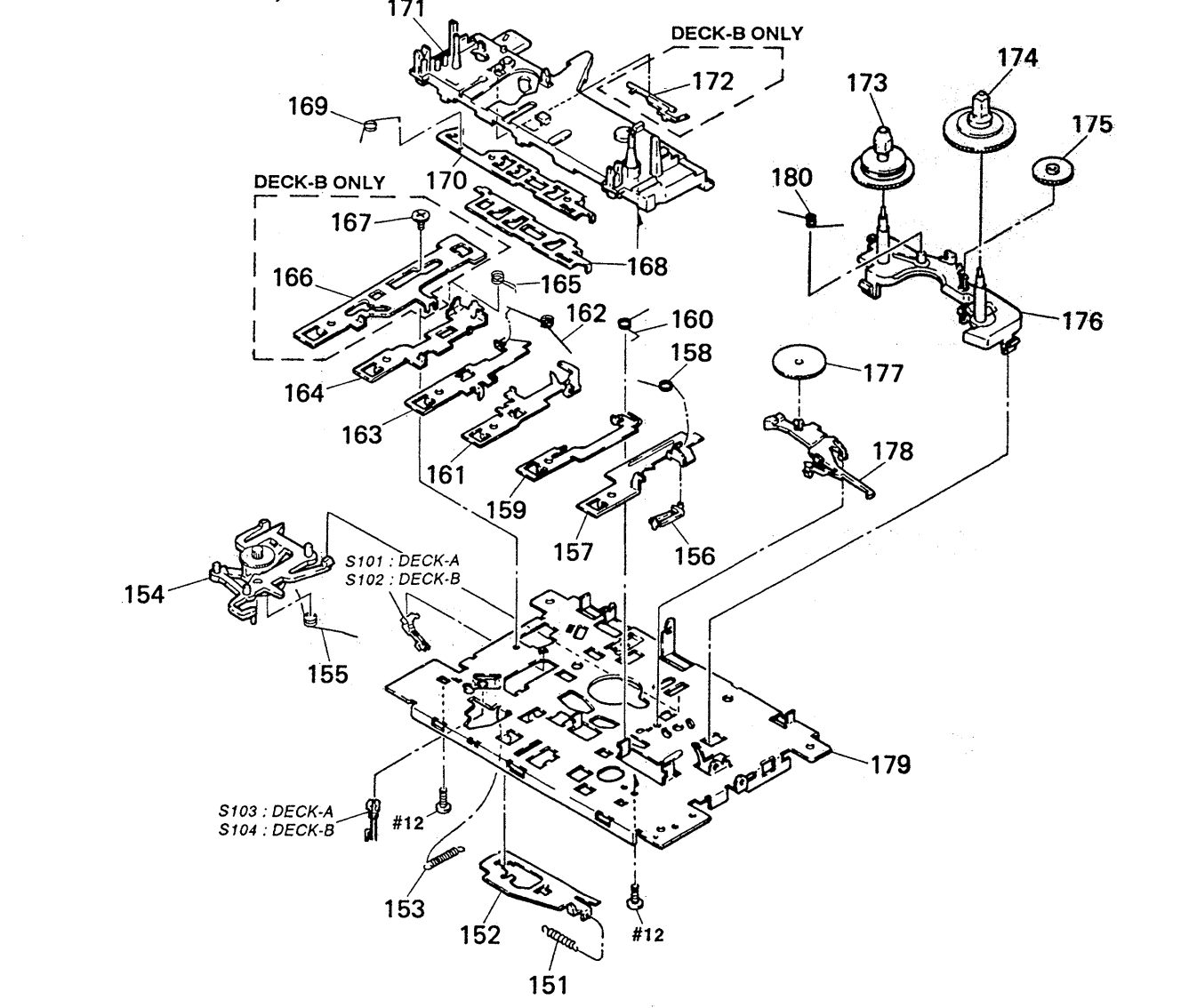
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3365-406-1	TUNING ASSY, KNOB		66	3-381-448-01	KNOB FUNCTION	
52	3-381-446-01	WINDOW SCALE (EXCEPT AEP, IT)		67	3-381-454-01	GEAR PULLEY	
52	3-385-307-01	WINDOW SCALE (AEP)		68	3-381-468-01	REC LEVER	
52	3-386-593-01	WINDOW SCALE (IT)		69	3-381-467-01	KNOB DECK PLAY (A)	
53	3-381-445-01	KNOB VOLUME		70	3-381-463-01	KNOB DECK REC	
54	X-3365-409-1	FRONT ASSY, CABINET		71	3-381-462-01	KNOB DECK FF	
55	3-381-456-01	WINDOW CASSETTE (A)		72	3-381-461-01	KNOB DECK STOP/EJECT	
56	3-381-459-01	WINDOW CASSETTE (B)		73	3-381-466-01	KNOB DECK PAUSE (A)	
57	3-381-455-01	HOLDER (A), CASSETTE		74	3-381-465-01	KNOB DECK PLAY (B)	
58	3-381-458-01	HOLDER (B), CASSETTE		75	3-381-464-01	KNOB DECK REC	
59	3-381-441-01	SPRING EJECT		76	3-381-460-01	KNOB DECK PAUSE (B)	
* 60	1-644-292-11	VOLUME BOARD		77	3-381-449-01	TOP CASE	
61	3-381-450-01	DAMPER GEAR ASSY		78	3-381-447-01	HOLDER TOP	
62	3-381-442-01	HOLDER DOOR		* 79	A-3275-559-A	MAIN BOARD, COMPLETE (EXCEPT AEP, IT)	
63	3-381-453-01	GEAR TUNING		* 79	A-3275-751-A	MAIN BOARD, COMPLETE (AEP)	
64	3-381-452-01	GEAR POINTER		* 79	A-3275-809-A	MAIN BOARD, COMPLETE (IT)	
65	3-381-451-01	CHASSIS TUNING		80	3-381-444-01	FOOT RING	
				IC103	8-759-205-82	IC TA7282AP	

6-3. MECHANISM SECTION-1
(MF-W430 : YSW27-03)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-366-352-01	SCREW		119	3-362-980-01	WASHER	
102	3-362-974-01	GEAR, CAM		* 120	3-369-929-01	HOLDER, MOTOR	
103	3-362-973-01	AS (BASE)		121	3-362-982-01	PINCH ROLLER	
104	3-362-978-01	SPRING, PLATE		122	3-362-981-01	PINCH ARM	
105	3-362-977-01	SPRING		123	3-362-977-01	SPRING (DECK-B)	
106	3-362-975-01	LEVER, SENSOR		124	3-362-966-01	INTER LOCK (DECK-B)	
107	3-362-972-01	SENSOR		125	3-362-967-01	SPRING, CASSETTE	
108	3-362-976-01	LEVER, CONTROL		126	3-362-968-01	LEVER, EJECT	
109	3-369-921-01	FW ASSY		127	3-369-928-01	ARM, RELEASE	
110	3-362-989-01	BELT		128	3-362-958-01	SCREW	
111	3-381-438-01	WASHER		* 129	3-369-927-01	ARM, CONNECT	
* 112	3-362-984-01	HEAD (BASE)		130	3-369-931-01	BELT	
113	3-362-983-01	SPRING		131	3-343-896-01	SCREW, MOTOR	
114	3-362-986-01	HOLDER, HEAD		132	3-343-897-01	WASHER, RUBBER	
115	3-362-985-01	SPRING		HE901	1-543-558-11	HEAD, ERASE (DECK-B)	
116	3-363-230-01	LUG		HP901	1-543-424-21	HEAD (PLAYBACK) (DECK-A)	
117	3-363-229-01	SCREW		HRP901	1-543-424-21	HEAD (RECORD/PLAYBACK) (DECK-B)	
118	3-362-987-01	ARM, EH (DECK-B)		M901	3-378-834-01	MOTOR ASSY	

6-4. MECHANISM SECTION-2
(MF-W430 : YSW27-03)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-371-920-01	SPRING		* 168	3-362-946-01	LEVER, SW	
* 152	3-371-919-01	PLATE FR STOP		169	3-362-945-01	SPRING	
153	3-362-971-01	SPRING		* 170	3-362-943-01	PLATE, FUNCTION	
154	3-362-969-01	IDLER ASSY, PF		171	3-362-942-01	FRAME ASSY	
155	3-362-970-01	SPRING		172	3-362-944-01	STOPPER, REC (DECK-B)	
156	3-362-953-01	ARM, PAUSE		173	3-362-963-01	REEL, S	
* 157	3-362-952-01	LEVER, PAUSE		174	3-362-962-01	REEL ASSY, T	
158	3-362-957-01	SPRING		175	3-362-965-01	IDLER, FF	
* 159	3-362-951-01	LEVER, SE		176	3-362-961-01	SPINDLE (BASE)	
160	3-362-956-01	SPRING		177	3-362-960-01	PULLEY, IDLER	
* 161	3-362-950-01	LEVER, FF		178	3-362-959-01	ARM, IDLER	
162	3-362-955-01	SPRING		* 179	3-362-941-01	CHASSIS	
* 163	3-362-949-01	LEVER, REW		180	3-372-120-01	SPRING	
* 164	3-362-948-01	LEVER, PLAY		S101	1-572-538-11	SWITCH, LEAF (FF/REW) (DECK-A)	
165	3-362-954-01	SPRING		S102	1-572-538-11	SWITCH, LEAF (FF/REW) (DECK-B)	
* 166	3-362-947-01	LEVER, REC (DECK-B)		S103	1-571-745-11	SWITCH, LEAF (PB) (DECK-A)	
167	3-362-958-01	SCREW (DECK-B)		S104	1-571-745-11	SWITCH, LEAF (REC/PB) (DECK-B)	