

MDS-E3

SERVICE MANUAL

*US Model
Canadian Model*



- MDS-E3 is the same as MDS-302 with regard to the boards and mechanical section (MDM-2A)
- Refer to the service manual of MDS-302 with regard to the contents not mentioned in this manual.

Model Name Using Similar Mechanism	MDS-302
Mechanism Type	MDM-2A
Base Unit Type	MBU-2
Optical Pickup Block Type	KMS-210A/J-N

MINIDISC RECORDER
SONY®

EXPLODED VIEWS

NOTE:

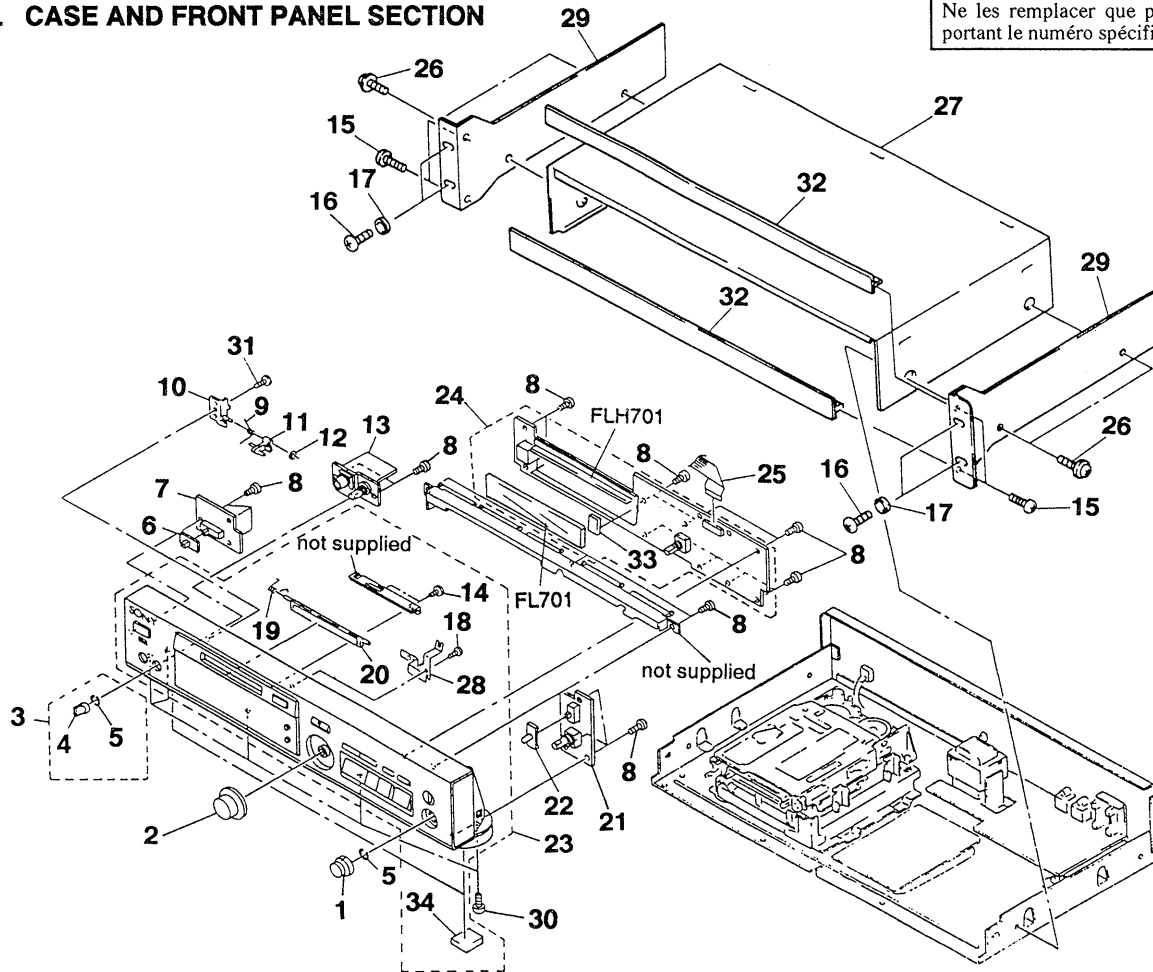
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Packing materials are given in the last of this parts list.

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

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

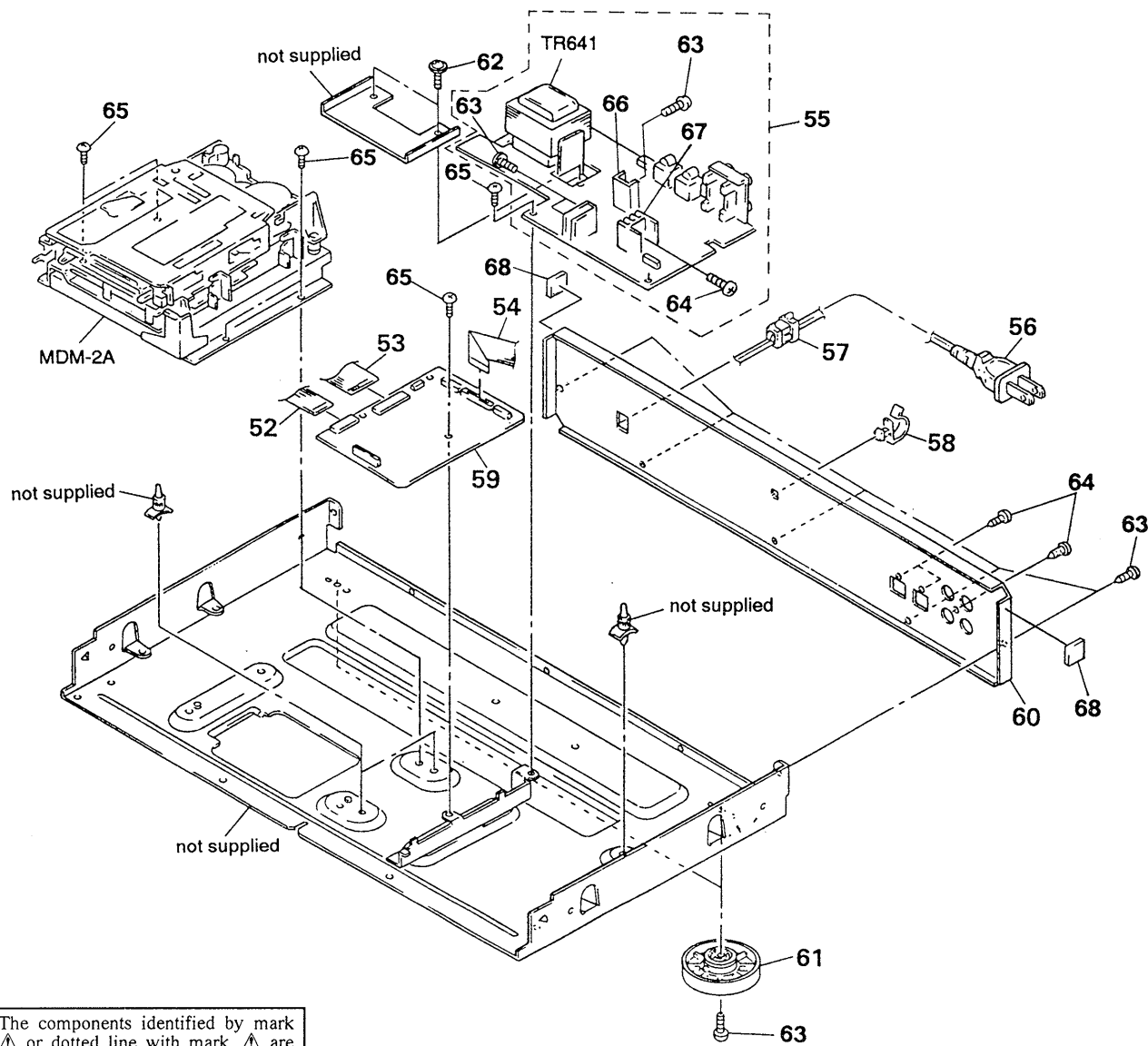
5-1. CASE AND FRONT PANEL SECTION



Note: Ref. No. 15, 16, 17, 29 and 32 are the parts of accessories.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-969-230-02	KNOB (REC)		20	4-969-226-11	LID (CARTRIDGE)	
2	X-4946-273-1	KNOB (AMS) ASSY		* 21	1-654-134-11	REC BOARD	
3	A-2003-693-A	KNOB (DIA. 10) ASSY		22	3-917-216-02	KNOB (TIMER)	
4	3-354-931-01	KNOB (DIA. 10)		23	X-4946-220-1	PANEL ASSY, FRONT	
5	3-354-981-01	SPRING (SUS), RING		* 24	A-4673-242-A	DISPLAY BOARD, COMPLETE	
6	4-922-518-01	KNOB (TIMER)		25	1-776-015-11	WIRE (FLAT TYPE) (22 CORE)	
* 7	1-654-135-11	POWER SW BOARD		26	3-704-366-21	SCREW (CASE) (M3X10)	
8	4-951-620-01	SCREW (2. 6X8), +BVTP		27	4-972-197-21	CASE	
9	4-969-215-01	SPRING, TORSION		28	4-972-367-01	PLATE, GROUND	
10	X-4945-242-1	BRAKET (LEVER LID) ASSY		29	3-920-800-01	RACK (L/R)	
11	4-969-213-01	LEVER (LID)		30	7-685-872-09	SCREW +BVTT 3X8 (S)	
12	3-681-678-00	WASHER, SLIT		31	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
* 13	1-654-136-11	HP BOARD		* 32	3-925-043-01	PLATE, ORNAMENTAL	
14	4-908-618-21	SCREW (+BTP) (2X6)		33	2-389-320-01	CUSHION	
15	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3		* 34	4-954-926-41	CUSHION	
16	7-682-276-04	SCREW +RK 5X12		FL701	1-517-353-11	INDICATOR TUBE, FLUORESCENT	
17	2-297-913-00	WASHER (DIA. 5), ORNAMENTAL		* FLH701	4-956-134-01	HOLDER (FL TUBE)	
18	4-887-321-11	SCREW (BL. 7) (G), TAPPING					
19	4-973-936-01	SPRING (LID), TORSION					

5-2. CHASSIS SECTION



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.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	1-669-789-11	REAR SW BOARD (AEP)		* 60	4-969-228-81	PANEL, BACK	
52	1-769-119-11	WIRE (FLAT TYPE) (18 CORE)		61	4-956-885-01	FOOT (F58175S2W)	
53	1-769-118-11	WIRE (FLAT TYPE) (30 CORE)		62	4-886-821-11	SCREW, S TIGHT, +PTTWH 3X6	
54	1-769-123-11	WIRE (FLAT TYPE) (22 CORE)		63	7-685-872-09	SCREW +BVTT 3X8 (S)	
* 55	A-4673-238-A	POWER BOARD, COMPLETE		64	7-685-646-79	SCREW +BVTP 3X8 TYPE 2 IT-3	
56	1-558-945-21	CORD, POWER (POLAR. SPT-1)		65	7-685-871-01	SCREW +BVTT 3X6 (S)	
* 57	3-703-571-11	BUSHING (S) (4516), CORD		* 66	3-309-144-21	HEAT SINK	
* 58	4-949-235-01	HOOK		* 67	4-363-146-21	HEAT SINK, V. OUT	
* 59	A-4673-240-A	DIGITAL BOARD, COMPLETE		68	2-389-320-01	CUSHION, CR	
				 TR641	1-427-897-11	TRANSFORMER, POWER	

ELECTRICAL PARTS LIST (The difference between MDS-302 and MDS-E3)

NOTE:

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

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

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
uF : μ F

MDS-302				MDS-E3			
Ref.No	Part No	Description	Remark	Ref.No	Part No	Description	Remark
*	A-4673-554-A	DIGITAL BOARD, COMPLETE *****		*	A-4673-240-A	DIGITAL BOARD, COMPLETE *****	
		** HP BOARD **				** HP BOARD **	
J701	1-770-306-11	JACK (LARGE TYPE) (PHONES)		J701	1-770-307-11	JACK (LARGE TYPE) (PHONES)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****				ACCESSORIES & PACKING MATERIALS *****	
25	1-776-015-11	WIRE (FLAT TYPE) (22 CORE)		1-473-405-11	REMOTE COMMANDER (RM-D4M)		
52	1-769-119-11	WIRE (FLAT TYPE) (18 CORE)		1-558-271-11	CORD, CONNECTION (AUDIO 108cm)		
53	1-769-118-11	WIRE (FLAT TYPE) (30 CORE)		1-574-264-11	CORD, LIGHT PLUG		
54	1-769-123-11	WIRE (FLAT TYPE) (22 CORE)		2-297-913-00	WASHER (DIA. 5), ORNAMENTAL		
56	1-558-945-21	CORD, POWER (POLAR. SPT-1)		3-707-584-21	COVER, BATTERY (For RM-D4M)		
FL701	1-517-353-11	INDICATOR TUBE, FLUORESCENT		3-800-301-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN)		
Δ TR641	1-427-897-11	TRANSFORMER, POWER		3-920-800-01	RACK (L/R)		
*****				3-925-043-01	PLATE, ORNAMENTAL		
				*	4-973-808-01	CUSHION	
				*	4-976-209-11	INDIVIDUAL CARTON	
					7-682-276-04	SCREW +RK 5X12	
					7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	