



TP-M145 YU(S)

SERVICE MANUAL

MICROCASSETTE RECORDER

BASIC TAPE MECHANISM : M-187

Replace this Service Manual with "Revision Publishing" when it is issued.


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S/M Code No. 09-028-363-7T1

SIMPLE

DATA

ACCESSORIES PARTS LIST -1/1

- ! =  SAFTY PARTS
- C = Components marked

All components used on this model at the production line are shown in this service manual.
 However, please note that not all components will be available as spare parts for after-sales service.
 Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
 Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					TP-M145
					YUBSC
	X	AS1001	8C-HXH-851-01	BD,PRINTED YUBSC	a
	X	AS1002	8C-HXE-852-01	COVER,BOT	a
	X	AS1003	8C-HXE-851-01	COVER, TOP	a
	X	AS1004	8C-HXH-852-01	CTN, INNER YUBSC	a
	X	AS1005	8C-HXH-854-01	CTN, OUTER YUBSC	a
	O	AS1006	8C-HXH-901-01	IB, U (3L) C	a
	X	AS1007	8C-HXH-910-01	WARR-CARD, M145	a
	X	AS1008	87-B30-465-01	BAT, LR6 1P(U)	a
	X	AS1009	87-B30-322-01	TAPE, MICRO 60	a

ELECTRICAL PARTS LIST -1/2

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					TP-M145 YUBSC
	O C	0001	87-010-788-08	C-CAP,U 0.033-2.5F	a
	O C	0002	87-012-282-08	CAP, U 4700P-50	a
	O C	0003	87-012-281-08	C-CAP,U 3900P-50 B	a
	O C	0004	87-010-082-01	CAPACITOR, 220MF 4V/87-0	a
	O C	0005	87-010-072-01	CAP 2.2-50V	a
	O C	0006	87-012-280-08	CAP, U 3300P-50	a
	O C	0007	87-010-787-08	CAP, U 0.022-25	a
	O C	0008	87-012-282-08	CAP, U 4700P-50	a
	O C	0009	87-A11-049-08	C-CAP,U 1-6.3 K B	a
	O C	0010	87-010-075-01	CAP,10U-16V H5	a
	O C	0011	87-010-490-01	CAP,E 0.1-50 GAS	a
	O C	0012	87-A10-952-08	C-CAP,TN 22-4 M A MCM	a
	O C	0013	87-010-082-01	CAPACITOR, 220MF 4V/87-0	a
	O C	0014	87-010-082-01	CAPACITOR, 220MF 4V/87-0	a
	O C	0015	87-010-082-01	CAPACITOR, 220MF 4V/87-0	a
	O C	0016	87-012-274-08	CHIP CAP,U 1000P-50B	a
	O C	0017	87-A11-049-08	C-CAP,U 1-6.3 K B	a
	O C	0018	87-A12-838-08	C-CAP,U 0.47-6.3 K B GRM39	a
	O C	0019	87-A11-056-08	C-CAP,U 1-10 Z F	a
	O C	0020	87-A10-025-08	C-CAP,U 0.22-16Z F	a
					TP-M145 YUBSC
	O C	0021	87-A10-025-08	C-CAP,U 0.22-16Z F	a
	O C	0022	87-A11-791-08	C-CAP,TN 10-4 M F93 A	a
	O C	0023	87-010-494-01	E CAP 1-50	a
	O C	0024	87-010-757-08	C.CAP,U 0.047-25F	a
	O C	0025	87-A11-056-08	C-CAP,U 1-10 Z F	a
	O C	0027	87-012-282-08	CAP, U 4700P-50	a
	S D	0001	87-001-167-08	DIODE,1SS302 (100MA)	a
	S D	0002	87-A40-822-04	C-DIODE,CRS01	a
	S IC	0001	85-TM5-604-01	IC,LA4165M	a
	O J	0001	87-A61-294-01	JACK,3.5 MONO W/SW	a
	O J	0002	87-A61-294-01	JACK,3.5 MONO W/SW	a
	O J	0002	87-A61-124-11	JACK,DC DIA2.75 BLK TC	a
	X JR	0001	88-128-000-08	C-JUMPER,S	a
	X JR	0002	88-128-000-08	C-JUMPER,S	a
	X JR	0003	88-128-000-08	C-JUMPER,S	a
	X JR	0004	88-128-000-08	C-JUMPER,S	a
	X JR	0005	88-128-000-08	C-JUMPER,S	a
	X JR	0006	88-128-000-08	C-JUMPER,S	a
	X JR	0007	88-128-000-08	C-JUMPER,S	a
	X JR	0008	88-128-000-08	C-JUMPER,S	a
					TP-M145 YUBSC
	X JR	0009	88-128-000-08	C-JUMPER,S	a
	X JR	0010	88-128-000-08	C-JUMPER,S	a
	X JR	0011	88-128-000-08	C-JUMPER,S	a
	X JR	0012	88-128-000-08	C-JUMPER,S	a
	X JR	0013	88-128-000-08	C-JUMPER,S	a
	X JR	0014	88-128-000-08	C-JUMPER,S	a
	X JR	0015	88-128-000-08	C-JUMPER,S	a
	X JR	0016	88-128-000-08	C-JUMPER,S	a
	X JR	0017	88-128-000-08	C-JUMPER,S	a
	X JR	0018	88-128-000-08	C-JUMPER,S	a
	X JR	0019	88-128-000-08	C-JUMPER,S	a
	X JR	0020	88-128-000-08	C-JUMPER,S	a
	X JR	0021	88-128-000-08	C-JUMPER,S	a
	X JR	0022	88-128-000-08	C-JUMPER,S	a
	X JR	0023	88-128-000-08	C-JUMPER,S	a
	X JR	0024	88-128-000-08	C-JUMPER,S	a
	X JR	0025	88-128-000-08	C-JUMPER,S	a
	X JR	0026	88-128-000-08	C-JUMPER,S	a
	X JR	0027	88-128-000-08	C-JUMPER,S	a
	X JR	0028	88-128-000-08	C-JUMPER,S	a
					TP-M145 YUBSC
	X JR	0029	88-128-000-08	C-JUMPER,S	a
	X JR	0030	88-128-000-08	C-JUMPER,S	a
	X JR	0031	88-128-000-08	C-JUMPER,S	a
	X JR	0032	88-108-000-08	C-JUMPER,U	a
	O LED	0001	82-HX5-601-01	LED,KM2520A01SRC001 RED	a
	O MIC	0001	87-A91-891-01	MIC,ECM OBO-54LN-0B	a
	S Q	0001	87-A30-288-04	C-TR,DTC114YKA	a
	S Q	0002	87-A30-288-04	C-TR,DTC114YKA	a
	S Q	0003	87-A30-283-04	C-TR,DTA114YKA	a
	S Q	0004	89-327-125-08	CHIP TR,2SC2712GR	a
	S Q	0005	89-327-125-08	CHIP TR,2SC2712GR	a
	S Q	0006	89-327-125-08	CHIP TR,2SC2712GR	a
	S Q	0007	87-A30-283-04	C-TR,DTA114YKA	a
	S Q	0009	89-327-125-08	CHIP TR,2SC2712GR	a
	X R	0001	88-108-392-08	RESISTOR, 1/16W 3.9K	a
	O R	0002	88-108-822-08	RESISTOR, 1/16W 8.2K	a
	O R	0003	88-108-223-08	RESISTOR, 1/16W 22K	a
	X R	0004	88-108-470-08	C-RES,47 SS	a
	X R	0005	88-108-152-08	C-RES,U 1.5K-1/16W J	a
	X R	0006	88-108-561-08	RESISTOR, 1/16W 560	a

ELECTRICAL PARTS LIST -2/2

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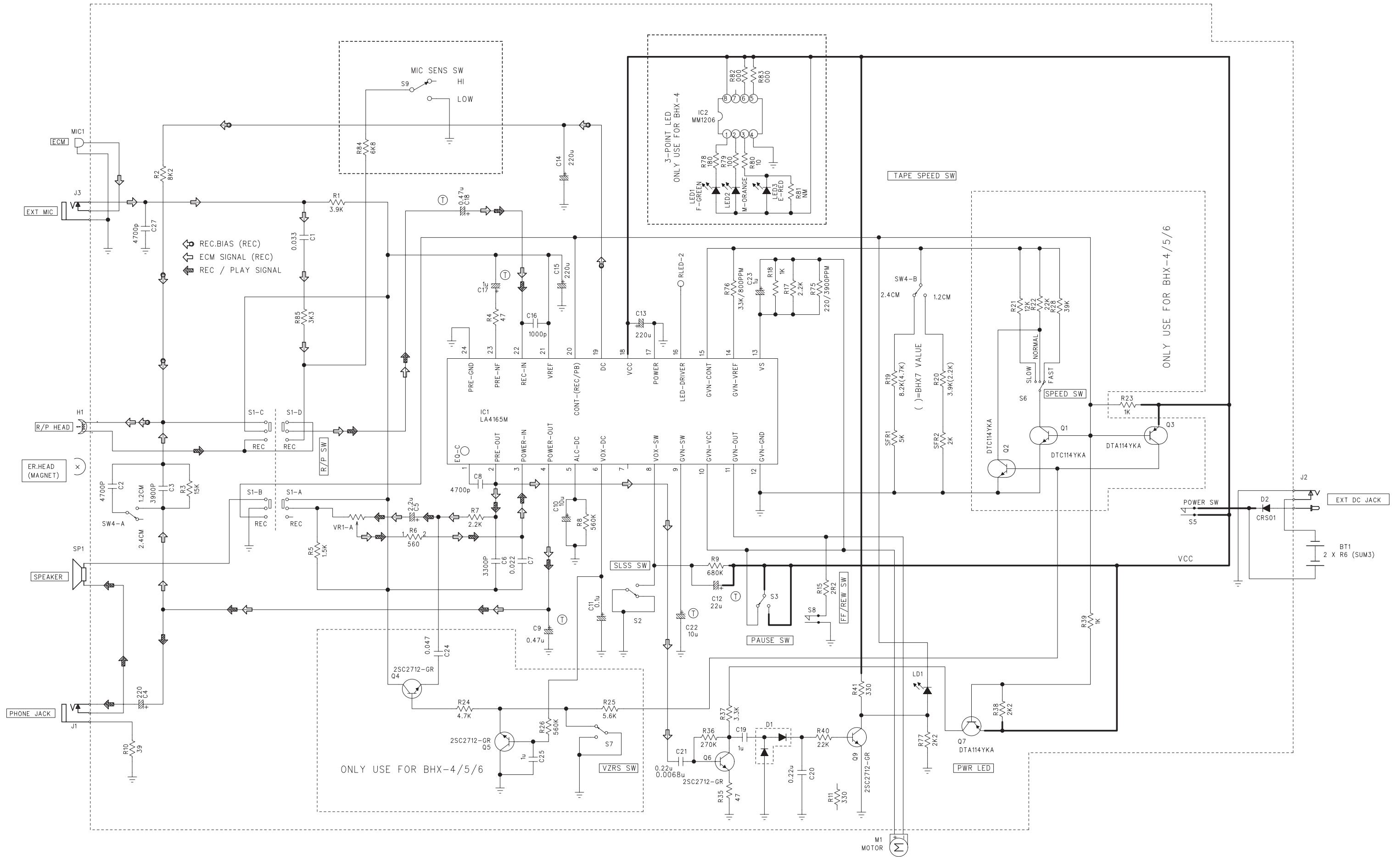
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					TP-M145 YUBSC
	X R	0007	88-108-222-08	RESISTOR, 1/16W 2.2K	a
	X R	0008	88-108-225-08	C-RES,U 2.2M-1/16W J	a
	X R	0009	88-108-681-08	RESISTOR, 1/16W 680	a
	X R	0010	88-108-390-08	C-RES,U 39-1/16W J	a
	X R	0015	88-108-229-08	C-RES,U 2.2-1/16W J	a
	X R	0017	88-108-222-08	RESISTOR, 1/16W 2.2K	a
	O R	0018	88-108-102-08	RESISTOR, 1/16W 1K	a
	O R	0019	88-108-822-08	RESISTOR, 1/16W 8.2K	a
	O R	0020	88-108-272-08	RESISTOR, 1/16W 2.7K	a
	O R	0021	88-108-123-08	RESISTOR, 1/16W 12K	a
	O R	0022	88-108-223-08	RESISTOR, 1/16W 22K	a
	O R	0023	88-108-102-08	RESISTOR, 1/16W 1K	a
	X R	0024	88-108-472-08	RESISTOR, 1/16W 4.7K	a
	O R	0025	88-108-562-08	RESISTOR, 1/16W 5.6K	a
	X R	0026	88-108-561-08	RESISTOR, 1/16W 560	a
	X R	0028	88-108-393-08	RESISTOR, 1/16W 39K	a
	X R	0035	88-108-470-08	C-RES,47 SS	a
	X R	0036	88-108-274-08	C-RES,U 270K-1/16W J	a
	O R	0037	88-108-332-08	RESISTOR, 1/16W 3.3K	a
	X R	0038	88-108-222-08	RESISTOR, 1/16W 2.2K	a
					TP-M145 YUBSC
	O R	0039	88-108-102-08	RESISTOR, 1/16W 1K	a
	O R	0040	88-108-223-08	RESISTOR, 1/16W 22K	a
	X R	0041	88-108-331-08	CHIP RESISTOR SS,330	a
	O R	0075	85-TM5-611-01	RES,220-1/8W J 3900P	a
	O R	0076	85-TM5-612-01	RES,33K-1/8W J 800P	a
	X R	0077	88-108-222-08	RESISTOR, 1/16W 2.2K	a
	O SFR	0001	85-TM5-615-01	SFR,5K V FRB-062	a
	O SFR	0002	87-A92-231-04	C-SFR,K 2.2K H RH03AEC	a
	O SP	0001	87-A91-612-11	SPKR,DIA36 40HM 0.4W	a
	O SW	0001	8Z-HX5-602-01	SW,PUSH PS42D07	a
	O SW	0002	87-031-816-01	SLIDE SWITCH	a
	O SW	0004	87-036-343-01	SW,SL 2-2-2	a
	O SW	0005	87-031-816-01	SLIDE SWITCH	a
	S SW	0005	85-TM5-608-01	SW,LEAF LSA-1114P	a
	O SW	0006	87-A90-826-01	SW,LEAF LSA-1114P	a
	O SW	0009	87-A90-330-08	C-SW,SL 1-1-2 SSSS81	a
	O VR	0001	87-A91-828-01	VR,RTRY 10KA V VX010702GYPA1N	a

SCHEMATIC DIAGRAM -1/1 (MAIN)



MECHANICAL PARTS LIST -1/1

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					TP-M145 YUBSC
	X	MC1001	PC-HXH-233-07	TP-M145YUBSC	a
	O	MC1002	8C-HXH-001-01	CABI,FRONT S	a
	O	MC1003	8C-HXH-002-01	CABI,REAR S	a
	O	MC1004	8C-HXH-006-01	COVER, HOLDER S	a
	O	MC1005	8C-HXH-007-01	COVER, MIC S	a
	O	MC1006	8C-HXH-005-01	LENS,COUNTER S	a
	O	MC1007	8Z-HX5-020-01	LENS,LED	a
	O	MC1008	8C-HXH-008-01	LID,BATT S	a
	O	MC1009	8C-HXH-003-01	LID,CASS S	a
	O	MC1010	8C-HXH-004-01	WINDOW,CASS S	a
	O	MC1011	8C-HXH-011-01	BTN,CASS PLAY S	a
	O	MC1012	8C-HXH-010-01	BTN,CASS REC S	a
	O	MC1013	8C-HXH-012-01	BTN,CASS STOP S	a
	O	MC1014	8C-HXE-011-01	KNOB,SL 1.2/2.4 S	a
	O	MC1015	8C-HXE-009-01	KNOB,SL FF/REW S	a
	O	MC1016	8C-HXE-014-01	KNOB,SL MIC S	a
	O	MC1017	8C-HXE-010-01	KNOB,SL PAUSE S	a
	O	MC1018	8C-HXE-013-01	KNOB,SL V-SENSOR / NFR S	a
	X	MC1019	87-B40-282-01	LBL,BAR-CODE AU 35X8	a
	X	MC1020	87-B40-154-01	LBL,BAR-CODE CU	a
					TP-M145 YUBSC
	X	MC1021	8C-HXH-009-01	LBL,SPEC	a
	O	MC1022	8Z-HX5-206-01	UT2+2-20 CR S	a
	O	MC1023	8Z-HX5-205-01	VT2+1.7-6 CR S	a
	O	MC1024	8Z-HX5-204-01	VT2+2-6 CR S	a
	O	MC1025	8Z-HX5-200-01	HLDR,JACK	a
	X	MC1026	8Z-HX5-202-01	SH,INSULATION	a
	O	MC1027	85-TM5-205-01	SPR,BAT (-)	a
	O	MC1028	85-TM5-204-01	SPR,BAT (+)	a
	O	MC1029	85-TM5-203-01	SPR,BAT(+/-)	a
	O	MC1030	8Z-HX5-201-01	SPR,CASS	a
	X	MC1031	M8-AZK-790-07	M-187	a
	X	MC1032	8B-HX4-601-11	PWB,COMB 3 3M	a
	X	MC1033	8B-HX4-602-11	PWB,MAIN	a
	X	MC1034	8B-HX4-603-11	PWB,MIC	a

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