

Hyosung TNS Inc.

Spare Parts Manual

MS500S for 53 Bank

V01.00.00 (2019. 06. 26)



MoniSafe 500S

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June 26 2019 1st Release

Spare Parts Manual - MS 500S for 53 Bank

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No	Part No.	DESCRIPTION			SYSTEM			TYPE	
1	7250000242	SYSTEM:MS500S:BMR36_UL LEVEL1:NHA			UL L1 SAFE + BRM 36 + 7' LCD			A	
NO	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
1	Fascia Assembly	1	S7134000888	Front Panel Assembly	○		1	REPAIR	E
2		1-1	S4370002390	Front Bezel	○		1	REPAIR	E
3		1-2	S7650000161	PCBA:FLICKER:TCR_FLICKER B/D:BLUE	○		1	REPAIR	D
4		1-3	S4370002388	K-ASSY:BEZEL_FUNCTION_L:MS500	○		1	REPAIR	E
5		1-4	S4370002389	K-ASSY:BEZEL_FUNCTION_R:MS500	○		1	REPAIR	E
6		1-5	S4490000103	Cover for Standby S/W	○		1	REPAIR	E
7		1-6	S4240000020	1SET / 1KEY	○		1	REPAIR	E
8	Control Electronics	1	S5611000371	Main B/D (ASROCK ATOM N2930)	○		1	REPAIR	C
9		2	S5712000017	DDR3L 8GB, SO-DIMM	○		1	REPAIR	C
10		3	S5695000017	SSD, 2.5" 128GB	○		1	REPAIR	D
11		4	S5611000488	TPM-S, V2.0, ASROCK	○		2	REPAIR	D
12	OPL	1	S7100000190	7" LCD Assembly	○		1	REPAIR	D
13		1-1	S4370002370	BEZEL FOR DOCKING	○		1	REPAIR	E
14		1-2	S4370002391	BEZEL FOR LCD	○		1	REPAIR	E
15		1-3	S4370002393	BEZEL FOR LCD Back COVER	○		1	REPAIR	E
16		1-4	S5659000057	7" Touch Screen	○		1	REPAIR	C
17		1-5	S5661000098	7" LCD	○		1	REPAIR	D
18		1-6	S5611000370	7" LCD DISPLAY CONTROL BOARD	○		1	REPAIR	D
19		1-7	S5611000166	7" Touch Screen CONTROL BOARD	○		1	REPAIR	D
20	Bill Recycle Machine (BRM)	1	S7430007747	Bill Recycling Machine Upper	○		1	REPAIR	C
21		1-1	S7000000360	CSM(Customer Service Module)	○		1	REPAIR	D
22		1-2	S7430004934	Front Module	○		1	REPAIR	D
23		1-3	S7000000396	BCU(Bill Checker Unit)	○		1	REPAIR	D
24		1-4	S7430007790	Rear Module	○		1	REPAIR	D
25		1-5	S7430007742	Option Module	○		1	REPAIR	D
26		1-6	S7430004630	Mid Top Module	○		1	REPAIR	D
27		1-7	S7430007787	Mid Bottom Module	○		1	REPAIR	D
28		1-8	S7430003704	Extra Module	○		1	REPAIR	D
29		1-9	S7760000494	Main I/O board of BRM	○		1	REPAIR	D
30		1-10	S7760000497	Main ACT board of BRM	○		1	REPAIR	D
31		1-11	S7760000493	SEGMENT if board of BRM	○		1	REPAIR	D
32		1-12	S7760000356	Main Core board of BRM	○		1	REPAIR	B
33		1-13	S7760000498	BRM3x Front IF	○		1	REPAIR	D

NO	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
34	Bill Recycle Machine (BRM)	1-14	S7760000260	Customer Service Module Board	○		1	REPAIR	B
35		1-15	S4010016910	BMU FIX BRKT	○		2	REPAIR	E
36	Bill Recycle Machine (BRM)	2	S7430007749	Bill Recycling Machine Down	○		1	REPAIR	C
37		2-1	S7430004653	Center Transport Upper 1 (Right)	○		1	REPAIR	D
38		2-2	S7430003465	Center Transport Upper 2 (Left)	○		1	REPAIR	D
39		2-3	S7430004826	Center Transport Lower 1 (Right)	○		1	REPAIR	D
40		2-4	S7430004827	Center Transport Lower 2 (Left)	○		1	REPAIR	D
41		2-5	S7000000412	Small Recycling Cassette	○		8	REPAIR	A
42		2-6	S7000000302	Slim Recycling Cassette	○		2	REPAIR	A
43		2-7	S7760000326	RBU Control board of BRM	○		1	REPAIR	B
44		2-8	S7760000328	RBU Core board of BRM	○		1	REPAIR	B
45		2-9	S7760000211	Slim/Small Board for RC module	○		9	REPAIR	B
46		2-10	S4010017498	BMD FIX BRKT	○		1	REPAIR	E
47	Upper Body & Safety Body	1	S7200001531	Outdoor Assembly	○		1	REPAIR	D
48		1-1	S4370002419	Outdoor Bezel	○		1	REPAIR	E
49		2	S4140007639	Safe Door Assembly WITH Level 1	○		1	REPAIR	E
50		3	S4901000066	KABA MAS LOCK	○		1	REPAIR	D
51		4	S4530000014	Handle for Safe Door	○		1	REPAIR	D
52		5	S5621000045	Power Supply (P/S)	○		1	REPAIR	E
53		6	S3200002824	ALARM SENSOR	○		1	REPAIR	C
54		7	S7650000261	PNC BOARD	○		1	REPAIR	E
55		8	S3353000022	LAN Modular Connector	○		1	REPAIR	E
56		9	S7760000488	TRANSIT I/F BOARD	○		1	REPAIR	E
57		10	S3325000043	POWER CORD	○		1	REPAIR	E
58	Miscellaneous	1	S4240000020	Common Key for System	○		2	REPAIR	E
59		2	S3353000022	LAN Modular Connector	○		1	REPAIR	E
60		3	S7430004207	Extra Lo Module	○		1	REPAIR	D
61		3-1	S4280000280	Extra Lo Hook Support	○		1	REPAIR	D
62		3-2	S4380000065	KNOB 1	○		1	REPAIR	D
63		3-3	S4441000164	Extra Lo Damper Ring	○		1	REPAIR	D

NO	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
64	Appendix. Sensor for BRM		S2168000068	All-in-One (Hook Type) - BM TS090/050/051/052/053/054/055/056/057/059/060/061/084/091/803/070/071/073/074/076/078/080/082/085 - CSM TS650/651/652/656/658/659/661/068 - RC TS1107/1207/1307/1407/2107/2207/2307/2407/907/1108/1208/1308/1408/2108/2208/2308/2408/908/1111/1211/1311/1411/2111/2211/2311/2411/911/1112/1212/1312/1412/2112/212/2312/2412/912/1113/1213/1313/1413/213/2213/2313/2413/913/1114/1214/1314/1414/2114/2214/2314/2414/914/915	○		87	REPAIR	D
65			S2168000050	Emitting Light Rank C (Yellow) - BM TS012/015/017/031/035/1106/1206/1306/1406/2106/2206/2306/2406 - CSM TS602/603/604/605 - RC TS1103/1203/1303/1403/2103/2203/2303/2403/903/1104/1204/1304/1404/2104/2204/2304/2404/904	○		35	REPAIR	D
66			S2168000051	Receiving Light Rank C (Yellow) - BM TS012/015/017/031/035/1106/1206/1306/1406/2106/2206/2306/2406 - CSM TS602/603/604/605 - RC TS1103/1203/1303/1403/2103/2203/2303/2403/903/1104/1204/1304/1404/2104/2204/2304/2404/904	○		35	REPAIR	D
67			S2168000052	Emitting Light Rank B (Red) - BM TS001/002/003/004/005/006/007/009/011/020/801A/801B/802A/802B/030/034 - CSM TS601/618/619	○		19	REPAIR	E
68			S2168000053	Receiving Light Rank B (Red) - BM TS001/002/003/004/005/006/007/009/011/020/801A/801B/802A/802B/030/034 - CSM TS601/618/619	○		19	REPAIR	E
69			S2168000054	Emitting Light Rank A (White) - CSM TS608/609/612/613/615/621/622	○		7	REPAIR	E
70			S2168000055	Receiving Light Rank A (White) - CSM TS608/609/612/613/615/621/622	○		7	REPAIR	E

NO	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
71	Appendix. Actuator for BRM		S5640000095	Bill Recycling Machine Upper Motor 2 - BM TM012/013/014	○		3	REPAIR	E
72			S5510000055	Bill Recycling Machine Upper Motor 3 - BM TM006	○		1	REPAIR	E
73			S5510000076	Customer Service Module Motor 1 - CSM TM601	○		1	REPAIR	E
74			S5510000071	Customer Service Module Motor 3 - CSM TM606	○		1	REPAIR	E
75			S5640000187	Center Transport Motor - BM TM020/023	○		2	REPAIR	E
76			S5639000022	BMD Center Guide Solenoid - BM TG030/032	○		2	REPAIR	E
77			S5640000173	BMD Drawer Motor - BM TM021/024	○		2	REPAIR	E

※ Category

- ✓ Field : Parts can be available to replace at the field.
- ✓ Repair : Parts cannot be replace in the field and it has to replace at Repair Center or Depot

※ QTY

- ✓ The quantity which it needs to make one ATM.

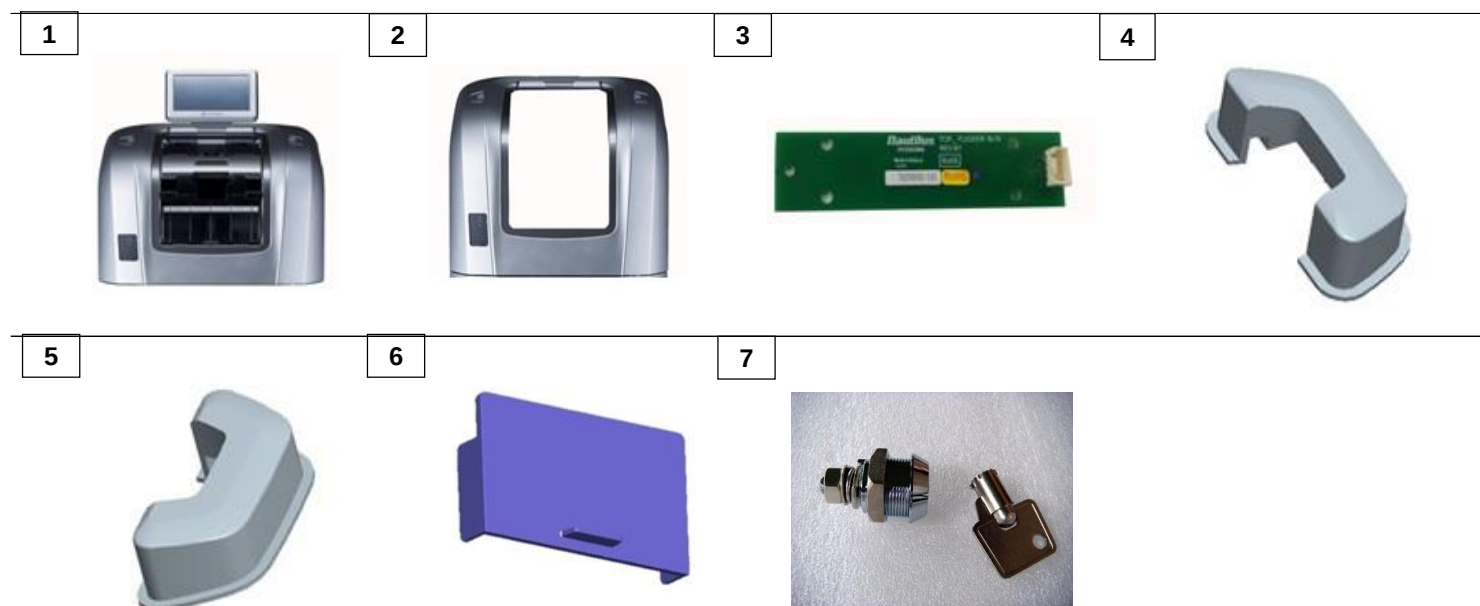
※ Recommended QTY

- ✓ It is a rate for Parts quantity when Customer operates 100 ATMs for one year.
[A : 4% / B : 3% / C : 2% / D : 1.5% / E : 1%]

Chapter 1. Fascia Assembly



No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
1	Fascia Assembly	1	S7134000888	Front Panel Assembly	○		1	REPAIR	E
2		1-1	S4370002390	Front Bezel	○		1	REPAIR	E
3		1-2	S7650000161	PCBA:FLICKER:TCR_FLICKER B/D:BLUE	○		1	REPAIR	D
4		1-3	S4370002388	K-ASSY:BEZEL_FUNCTION_L:MS500	○		1	REPAIR	E
5		1-4	S4370002389	K-ASSY:BEZEL_FUNCTION_R:MS500	○		1	REPAIR	E
6		1-5	S4490000103	Cover for Standby S/W	○		1	REPAIR	E
7		1-6	S4240000020	1SET / 1KEY	○		1	REPAIR	E



Chapter 2. Control Electronics



No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
8	Control Electronics	1	S5611000371	Main B/D (ASROCK ATOM N2930)	○		1	REPAIR	C
9		2	S5712000017	DDR3L 8GB, SO-DIMM	○		1	REPAIR	C
10		3	S5695000017	SSD, 2.5" 128GB	○		1	REPAIR	D
11		4	S5611000488	TPM-S, V2.0, ASROCK	○		2	REPAIR	D

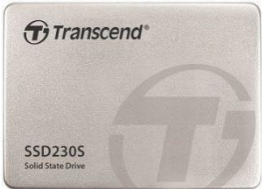
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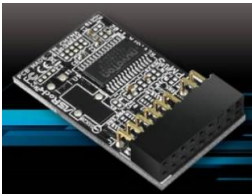
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Chapter 3. OPL

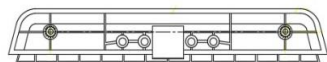


No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
12	OPL	1	S7100000190	7" LCD Assembly	○		1	REPAIR	D
13		1-1	S4370002370	BEZEL FOR DOCKING	○		1	REPAIR	E
14		1-2	S4370002391	BEZEL FOR LCD	○		1	REPAIR	E
15		1-3	S4370002393	BEZEL FOR LCD Back COVER	○		1	REPAIR	E
16		1-4	S5659000057	7" Touch Screen	○		1	REPAIR	C
17		1-5	S5661000098	7" LCD	○		1	REPAIR	D
18		1-6	S5611000370	7" LCD DISPLAY CONTROL BOARD	○		1	REPAIR	D
19		1-7	S5611000166	7" Touch Screen CONTROL BOARD	○		1	REPAIR	D

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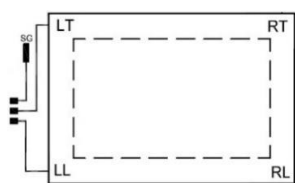
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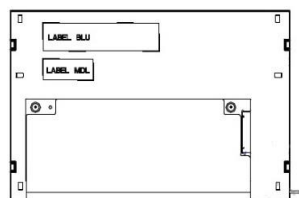
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Chapter 4. Bill Recycle Machine (BRM)

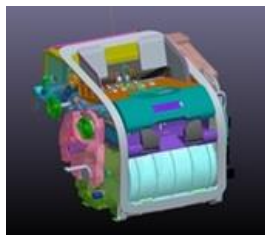


No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
20	Bill Recycle Machine (BRM)	1	S7430007747	Bill Recycling Machine Upper	○		1	REPAIR	C
21		1-1	S7000000360	CSM(Customer Service Module)	○		1	REPAIR	D
22		1-2	S7430004934	Front Module	○		1	REPAIR	D
23		1-3	S7000000396	BCU(Bill Checker Unit)	○		1	REPAIR	D
24		1-4	S7430007790	Rear Module	○		1	REPAIR	D
25		1-5	S7430007742	Option Module	○		1	REPAIR	D
26		1-6	S7430004630	Mid Top Module	○		1	REPAIR	D
27		1-7	S7430007787	Mid Bottom Module	○		1	REPAIR	D
28		1-8	S7430003704	Extra Module	○		1	REPAIR	D
29		1-9	S7760000494	Main I/O board of BRM	○		1	REPAIR	D
30		1-10	S7760000497	Main ACT board of BRM	○		1	REPAIR	D
31		1-11	S7760000493	SEGMENT if board of BRM	○		1	REPAIR	D
32		1-12	S7760000356	Main Core board of BRM	○		1	REPAIR	B
33		1-13	S7760000498	BRM3x Front IF	○		1	REPAIR	D
34		1-14	S7760000260	Customer Service Module Board	○		1	REPAIR	B
35		1-15	S4010016910	BMU FIX BRKT	○		2	REPAIR	E
36		2	S7430007749	Bill Recycling Machine Down	○		1	REPAIR	C
37		2-1	S7430004653	Center Transport Upper 1 (Right)	○		1	REPAIR	D
38		2-2	S7430003465	Center Transport Upper 2 (Left)	○		1	REPAIR	D
39		2-3	S7430004826	Center Transport Lower 1 (Right)	○		1	REPAIR	D
40		2-4	S7430004827	Center Transport Lower 2 (Left)	○		1	REPAIR	D
41		2-5	S7000000412	Small Recycling Cassette	○		8	REPAIR	A
42		2-6	S7000000302	Slim Recycling Cassette	○		2	REPAIR	A
43		2-7	S7760000326	RBU Control board of BRM	○		1	REPAIR	B
44		2-8	S7760000328	RBU Core board of BRM	○		1	REPAIR	B
45		2-9	S7760000211	Slim/Small Board for RC module	○		9	REPAIR	B
46		2-10	S4010017498	BMD FIX BRKT	○		1	REPAIR	E

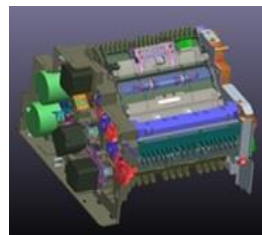
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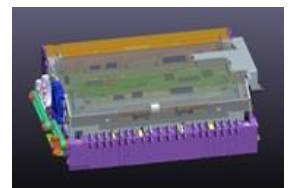
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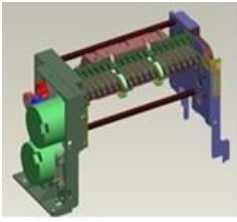
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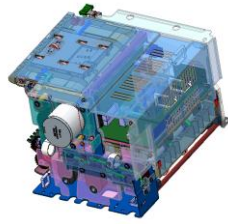
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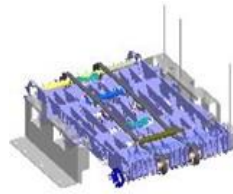
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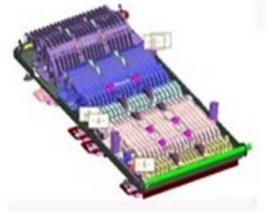
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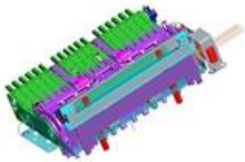
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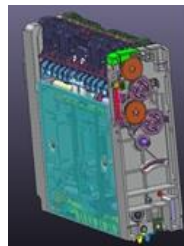
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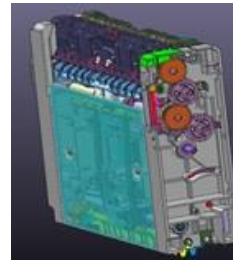
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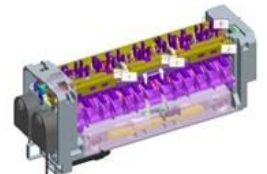
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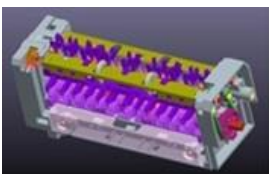
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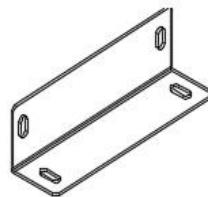
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Chapter 5. Upper Body & Safety Body



No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
47	Upper Body & Safety Body	1	S7200001531	Outdoor Assembly	○		1	REPAIR	D
48		1-1	S4370002419	Outdoor Bezel	○		1	REPAIR	E
49		2	S4140007639	Safe Door Assembly WITH Level 1	○		1	REPAIR	E
50		3	S4901000066	KABA MAS LOCK	○		1	REPAIR	D
51		4	S4530000014	Handle for Safe Door	○		1	REPAIR	D
52		5	S5621000045	Power Supply (P/S)	○		1	REPAIR	E
53		6	S3200002824	ALARM SENSOR	○		1	REPAIR	C
54		7	S7650000261	PNC BOARD	○		1	REPAIR	E
55		8	S3353000022	LAN Modular Connector	○		1	REPAIR	E
56		9	S7760000488	TRANSIT I/F BOARD	○		1	REPAIR	E
57		10	S3325000043	POWER CORD	○		1	REPAIR	E

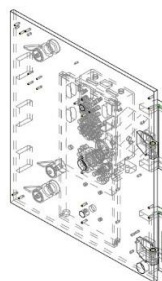
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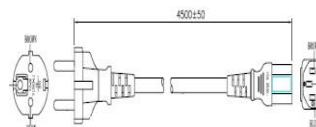
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Chaper 6. Miscellaneous

No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
58	Miscellaneous	1	S4240000020	Common Key for System	○		2	REPAIR	E
59		2	S3353000022	LAN Modular Connector	○		1	REPAIR	E
60		3	S7430004207	Extra Lo Module	○		1	REPAIR	D
61		3-1	S4280000280	Extra Lo Hook Support	○		1	REPAIR	D
62		3-2	S4380000065	KNOB 1	○		1	REPAIR	D
63		3-3	S4441000164	Extra Lo Damper Ring	○		1	REPAIR	D

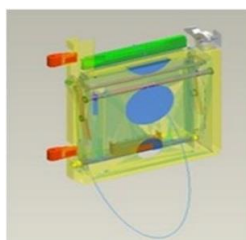
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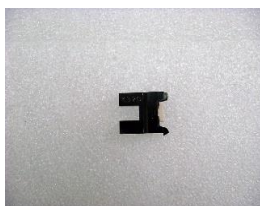
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Appendix. Sensor, Actuator for BRM

No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
64	Appendix. Sensor for BRM		S2168000068	All-in-One (Hook Type) - BM TS090/050/051/052/053/054/055/056/057/059/060/061/084/091/803/070/071/073/074/076/078/080/082/085 - CSM TS650/651/652/656/658/659/661/068 - RC TS1107/1207/1307/1407/2107/2207/2307/2407/907/1108/1208/1308/1408/2108/2208/2308/2408/908/1111/1211/1311/1411/2111/2211/2311/2411/911/1112/1212/1312/1412/2112/2212/2312/2412/912/1113/1213/1313/1413/2113/2213/2313/2413/913/1114/1214/1314/1414/2114/2214/2314/2414/914/915	○		87	REPAIR	D
65			S2168000050	Emitting Light Rank C (Yellow) - BM TS012/015/017/031/035/1106/1206/1306/1406/2106/2206/2306/2406 - CSM TS602/603/604/605 - RC TS1103/1203/1303/1403/2103/2203/2303/2403/903/1104/1204/1304/1404/2104/2204/2304/2404/904	○		35	REPAIR	D
66			S2168000051	Receiving Light Rank C (Yellow) - BM TS012/015/017/031/035/1106/1206/1306/1406/2106/2206/2306/2406 - CSM TS602/603/604/605 - RC TS1103/1203/1303/1403/2103/2203/2303/2403/903/1104/1204/1304/1404/2104/2204/2304/2404/904	○		35	REPAIR	D
67			S2168000052	Emitting Light Rank B (Red) - BM TS001/002/003/004/005/006/007/009/011/020/801A/801B/802A/802B/030/034 - CSM TS601/618/619	○		19	REPAIR	E
68			S2168000053	Receiving Light Rank B (Red) - BM TS001/002/003/004/005/006/007/009/011/020/801A/801B/802A/802B/030/034 - CSM TS601/618/619	○		19	REPAIR	E

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No	Unit	LEVEL	Part No.	Customer Description	TYPE		QTY	Category	Recommended QTY
					A	B			
69	Appendix. Sensor for BRM		S2168000054	Emitting Light Rank A (White) - CSM TS608/609/612/613/615/621/622	○		7	REPAIR	E
70			S2168000055	Receiving Light Rank A (White) - CSM TS608/609/612/613/615/621/622	○		7	REPAIR	E
71	Appendix. Actuator for BRM		S5640000095	Bill Recycling Machine Upper Motor 2 - BM TM012/013/014	○		3	REPAIR	E
72			S5510000055	Bill Recycling Machine Upper Motor 3 - BM TM006	○		1	REPAIR	E
73			S5510000076	Customer Service Module Motor 1 - CSM TM601	○		1	REPAIR	E
74			S5510000071	Customer Service Module Motor 3 - CSM TM606	○		1	REPAIR	E
75			S5640000187	Center Transport Motor - BM TM020/023	○		2	REPAIR	E
76			S5639000022	BMD Center Guide Solenoid - BM TG030/032	○		2	REPAIR	E
77			S5640000173	BMD Drawer Motor - BM TM021/024	○		2	REPAIR	E

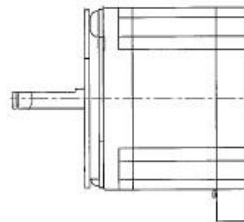
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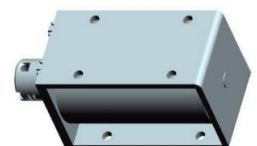
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