

MANUA

Closer Relations through "CLARION SERVICE MANUAL

MAZDA AUTOMOBILE GENUINE STEREO DECK MODEL PT-862D-01

CLARION CO., LTD.

Overseas Sales Branch Offices

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SPECIFICATIONS:

Reproduction system: 4 track, 2 program,

2 channel stereo reproduction.

(2 track, 2 program, 1 channel monaural reproduction possible.)

Auto reverse

Tape speed: Wow and flutter: 4.75cm/s

Less than 0.3% (W.R.M.S)

Separation:

More than 30dB

Crosstalk:

More than 40dB

S/N ratio:

Normal position

DOLBY NR OFF: More than 42dB

ON: More than 50dB

CrO₂ position

DOLBY NR OFF: More than 44dB

ON: More than 52dB

Power output:

115mV to 170mV

(Under 10kΩ load at 0VU)

Power supply voltage: DC 13.2V

Negative ground

Current consumption: Less than 500mA

(Less than 5A at plunger

operated)

Semiconductor: 2 ICs, 1 transistor and

10 diodes

Dimensions: Width 150mm

Height 50_{mm} Depth 135mm

Weight: 1.3kg

*Noise reduction system manufactured under licence from Dolby Laboratories.

* Dolby and " " mark are the trade name and trade mark of the Dolby Laboratories.

COMPONENTS:

Main unit

1

FEATURES:

- 1. Auto reverse at play ended.
- 2. Auto reverse at FF, REW ended.

ADJUSTMENTS:

1. Adjusting Dolby level

Play the test tape CTT-422-112 (400Hz, 200nWb/m) and adjust VR3 (VR5) and VR4 (VR6) so that the voltage at TP3 and TP4 becomes 775mV.

(Dolby NR switch: OFF)

2. Adjusting playback frequency response

- (1) Play the test tape CTT-422-102 (315Hz, -10VU) and take the voltage at TP3, TP4 as reference.
- (2) Play the test tape CTT-422-113 (8kHz, -10VU) and adjust VR1, VR2 so that the level becomes the same as in item (1) above.

(Tape Selector: NORM, Dolby NR switch: OFF)

(3) Next switch the Tape Selector to the CrO₂ position and verify that the output of 8kHz decreases by about 4dB.

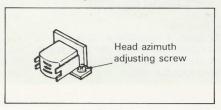
3. Adjusting Dolby NR effective width

- (1) Insert an empty pack into the deck to turn on the electrical circuit.
- (2) Set the CR oscillator frequency to 5kHz and feed this signal to TP1 (TP2).

- (3) Adjust the output of the oscillator so that the level at TP3 (TP4) becomes 59mV when the Dolby NR switch is set to the OFF position.
- (4) With the Dolby NR switch set to the ON position, adjust VR7 to set the level 8dB below that of item (3) above.

(Tape Selector: NORM)

4. Head azimuth adjustment



When the head azimuth is unsuitable for the tape, it may cause deterioration of tone quality, crosstalk, etc. When the head azimuth is not normal, adjust it as shown below.

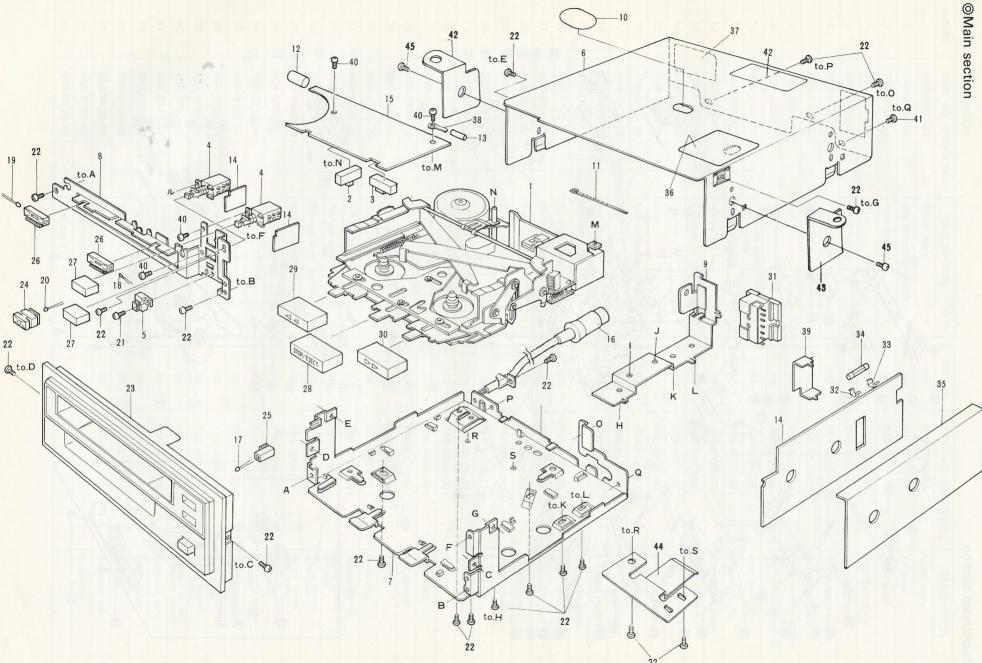
Play back the 315Hz—15VU test tape, set volume to maximum and adjust balance with balance VR. Next, play back the 8KHz—10VU test tape, and turn the head azimuth adjusting screw so that the output is roughly maximum

PARTS LIST:

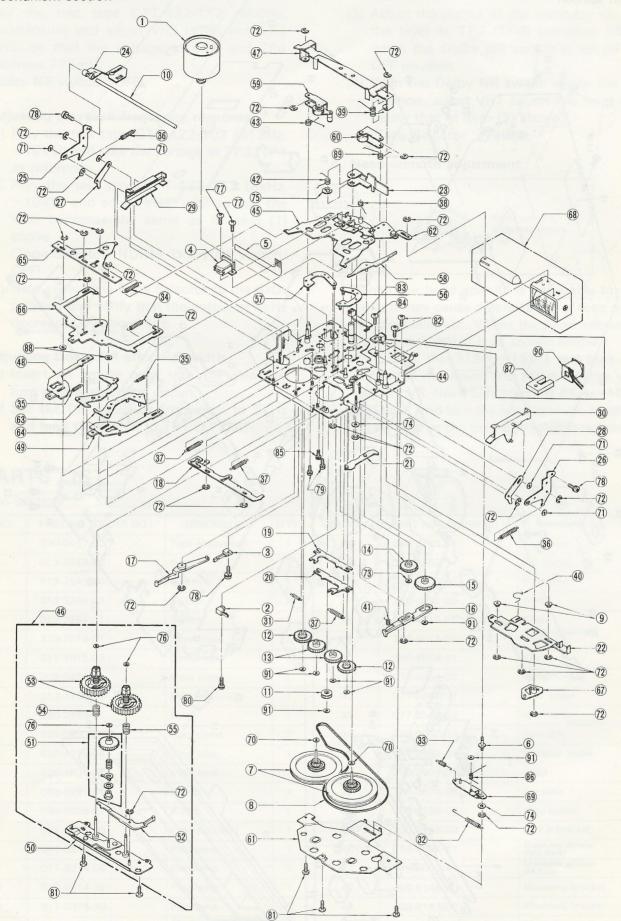
Main section

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
1	930-0477-00	Tape mechanism	1
2	013-3548-00	Switch	1
3	013-3549-00	Switch	1
4	013-3346-03	Switch	2
5	013-3264-01	Switch	1
6	310-1018-01	Upper case	1
7	311-1012-03	Lower case	1
8	309-0427-00	Front plate	1
9	313-1109-00	Heat sink	1
10	290-2567-01	Label	1
11	335-0833-01	Lead clamp	1
12	820-4010-08	Vinyl tube	1
13	820-4025-02	Vinyl tube	1
14	099-5957-01	P.W.B	1
15	099-5956-01	P.W.B	1
16	852-6463-00	Extension lead	1
17	017-0314-21	Pilot lamp	1
18	017-0314-08	Pilot lamp	1
19	017-0314-35	Pilot lamp	1
20	017-0314-30	Pilot lamp	1
21	714-3006-81	Machine screw (M3x6)	1
22	714-3004-81	Machine screw (M3x4)	19
23	940-2549-01	Escutcheon ass'y	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
24	345-3264-01	P.L holder	1
25	345-3265-01	P.L holder	1
26	345-3308-00	P.L holder	2
27	380-4012-00	Knob	2
28	380-4016-01	Knob	1
29	380-4017-01	Knob	1
30	380-4018-01	Knob	1
31	074-0635-00	Outlet socket	1
32	077-0081-01	Fuse holder	1
33	077-0081-03	Fuse holder	1
34	120-0050-02	Fuse (5A)	1
35	347-0935-01	Insulator paper	1
36	290-2909-01	Label	1
37	286-3678-00	Set plate	1
38	330-4896-00	Lead holder	1
39	330-7185-00	P.W.B bracket	1
40	714-2604-81	Machine screw (M2.6x4)	4
41	714-3003-81	Machine screw (M3x3)	1
42	300-6146-00	Mounting bracket	1
43	300-6147-00	Mounting bracket	1
44	300-6148-00	Mounting bracket	1
45	716-0417-00	Machine screw	2



EXPLODED VIEW:

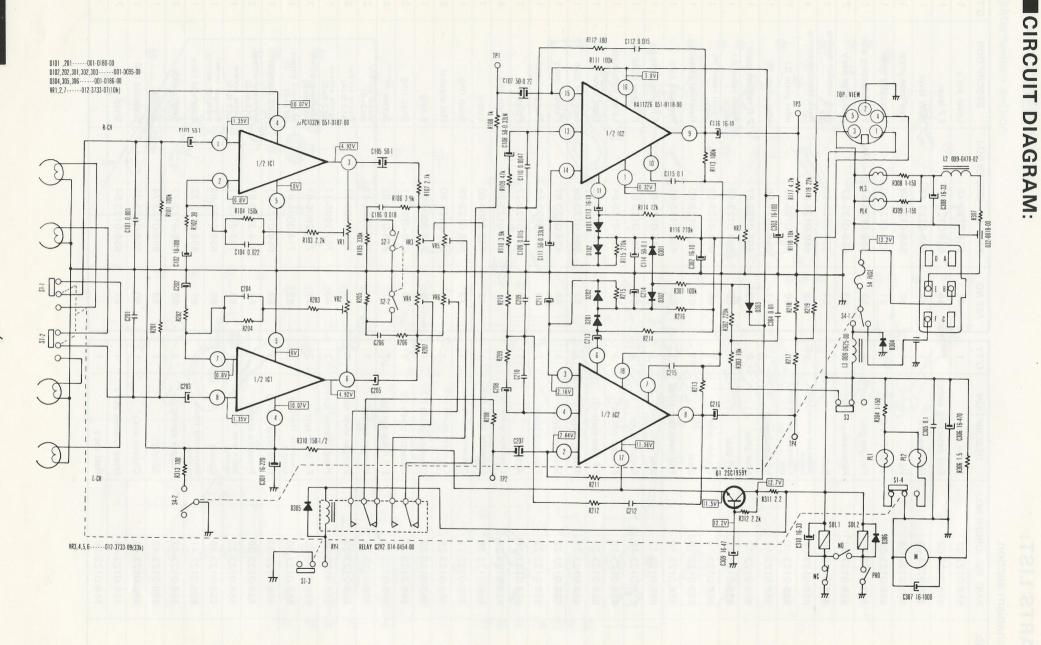


PARTS LIST:

Mechanism section

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'T\
1	658-0123-01	Motor ass'y	1
2	658-0123-02	End detecting switch	1
3	658-0123-03	Hold switch	1
4	658-0123-04	Head	1
5	658-0123-05	Head P.W.B	1
6	658-0123-70	Plunger pin	1
7	658-0123-07	Flywheel	2
8	658-0123-08	Belt	1
9	658-0123-09	Selector plate shaft roller	2
10	658-0123-10	Cassette guide link bar	1
11	658-0123-11	Idler pulley	1
12	658-0123-12	Idler gear	2
13	658-0123-13	F.R gear	2
14	658-0123-14	Double gear	1
15	658-0123-15	Gear	1
16	658-0123-16	End detecting Hook	1
17	658-0123-17	Link	1
18	658-0123-18	Switch lever	1
19	658-0123-19	F.F cam plate (1)	1
20	658-0123-20	F.F cam plate (2)	1
21	658-0123-21	Timing plate	1
-22	658-0123-22	Selector plate	1
23	658-0123-23	Play lock plate	1
24	658-0123-24	Actuator	1
25	658-0123-25	Cassette guide link	1
26	658-0123-26	Cassette guide link (1R)	1
27	658-0123-27	Cassette guide link (2L)	1
28	658-0123-28	Cassette guide link (2R)	1
29	658-0123-29	Cassette guide (L)	1
30	658-0123-30	Cassette guide (R)	1
31	658-0123-31	F.R roller spring	1
32	658-0123-32	Plunger spring	1
33	658-0123-33	Plunger lever spring	1
34	658-0123-34	Head chassis spring	2
35	658-0123-35	F.F lever spring	2
36	658-0123-36	Cassette toading spring	2
37	658-0123-37	Look plate spring	3
38	658-0123-38	Pressure spring	1
39	658-0123-39	Eject arm return spring	1
40	658-0123-40	Spring	1
41	658-0123-41	Detecting Hook spring	1
42	658-0123-42	Flapper spring	1
43	658-0123-43	Spring	1
44	658-0123-44	Chassis ass'y	1
45	658-0123-45	Head chassis ass'y	1
46	658-0123-76	Reel ass'y	1

47 658-0123-46	REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
49 658-0123-48 REW lever 1 50 658-0123-49 Reel base plate 1 51 658-0123-50 Detecting gear 1 52 658-0123-51 End detecting arm 1 53 658-0123-52 Reel base ass'y 2 54 658-0123-53 Back tension spring 1 55 658-0123-54 Reel base ass'y 2 56 658-0123-55 Idler plate (L) 1 57 658-0123-56 Idler plate (R) 1 58 658-0123-57 F.R release plate 1 59 658-0123-58 Price foller (L) 1 60 658-0123-59 Price foller (L) 1 61 658-0123-60 Flywheel plate 1 62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever look plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 69 658-0123-77 Polyslider 2 70 658-0123-78 Snap ring 1 72 743-2000-00 E-ring 7 73 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 1 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6%) 7 79 732-2604-11 Sems screw (M2.6%) 7 88 658-0123-71 Cord clamper 1 81 714-260-81 Machine screw (M2.6%) 7 85 658-0123-71 Cord clamper 1 84 714-260-81 Machine screw (M2.6%) 1 85 658-0123-72 Solenoid core 1 87 658-0123-73 Shaft collor 2 88 658-0123-74 Spring 1 89 658-0123-72 Solenoid coil 1	47	658-0123-46	Lever ass'y	1
Solution	48	658-0123-47	F.F lever	1
51 658-0123-50 Detecting gear 1 52 658-0123-51 End detecting arm 1 53 658-0123-52 Reel base ass'y 2 54 658-0123-53 Lack tension spring 1 55 658-0123-54 Back tension spring 1 56 658-0123-55 Idler plate (L) 1 57 658-0123-56 Idler plate (R) 1 58 658-0123-57 F.R release plate 1 59 658-0123-58 Pinch roller (R) 1 60 658-0123-59 Pinch roller (R) 1 61 658-0123-60 Flywheel plate 1 61 658-0123-60 Flywheel plate 1 62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-65 Eject lever 1 67 658-0123-65 Eject lever 1 <td>49</td> <td>658-0123-48</td> <td>REW lever</td> <td>1</td>	49	658-0123-48	REW lever	1
52 658-0123-51 End detecting arm 1 53 658-0123-52 Reel base ass'y 2 54 658-0123-53 Back tension spring (L) 1 55 658-0123-54 Back tension spring (L) 1 56 658-0123-55 Idler plate (L) 1 57 658-0123-56 Idler plate (R) 1 58 658-0123-57 F.R release plate 1 59 658-0123-58 Pinch roller (R) 1 60 658-0123-59 Pinch roller (R) 1 61 658-0123-60 Flywheel plate 1 61 658-0123-61 Pressure cam 1 62 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-67 Plunger ass'y 1 69 658-0123-78 Snap ring 2	50	658-0123-49	Reel base plate	1
53 658-0123-52 Reel base ass'y 2 54 658-0123-53 Back tension spring (L) 1 55 658-0123-54 Back tension spring (L) 1 56 658-0123-55 Idler plate (L) 1 57 658-0123-56 Idler plate (R) 1 58 658-0123-58 Bask' tension spring (R) 1 59 658-0123-58 Idler plate (R) 1 60 658-0123-58 Pinch roller (R) 1 60 658-0123-60 Finch roller (R) 1 61 658-0123-60 Finch roller (R) 1 61 658-0123-61 Pressure cam 1 62 658-0123-61 Pressure cam 1 63 658-0123-63 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-65 Eject lever 1 67 658-0123-65 Eject lever 1 68 658-0123-67 Plunger ass'y 1 </td <td>51</td> <td>658-0123-50</td> <td>Detecting gear</td> <td>1</td>	51	658-0123-50	Detecting gear	1
54 658-0123-53 Back tension spring (L) 1 55 658-0123-54 Back tension spring (R) 1 56 658-0123-55 Idler plate (L) 1 57 658-0123-56 Idler plate (R) 1 58 658-0123-57 F.R release plate 1 59 658-0123-59 Pinch roller (L) ass y 1 60 658-0123-60 Flywheel plate 1 61 658-0123-60 Flywheel plate 1 62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-63 E.R gear plate (R) 1 66 658-0123-63 E.Ject lever 1 67 658-0123-65 Eject lever 1 67 658-0123-65 Plunger ass'y 1 69 658-0123-76 Plunger ass'y 1 70 658-0123-77 Polyslider 2	52	658-0123-51	End detecting arm	1
Section	53	658-0123-52	Reel base ass'y	2
Section	54	658-0123-53		1
57 658-0123-56 Idler plate (R) 1 58 658-0123-57 F.R release plate 1 59 658-0123-58 Pinch roller (L) ass'y 1 60 658-0123-59 Pinch roller (R) ass'y 1 61 658-0123-60 Flywheel plate 1 62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-77 Polyslider 2 70 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75<	55	658-0123-54	Back tension spring (R)	1
58 658-0123-57 F.R release plate 1 59 658-0123-58 Pinch roller (L) ass'y 1 60 658-0123-59 Pinch roller (R) ass'y 1 61 658-0123-60 Flywheel plate 1 62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76	56	658-0123-55	Idler plate (L)	1
Seminarian	57	658-0123-56	Idler plate (R)	1
60 658-0123-59 Pinch roller (R) ass'y 61 658-0123-59 Pinch roller (R) ass'y 61 658-0123-60 Flywheel plate 62 658-0123-61 Pressure cam 63 658-0123-62 F.R gear plate (L) 64 658-0123-63 F.R gear plate (R) 65 658-0123-64 Lever lock plate 66 658-0123-65 Eject lever 10 67 658-0123-65 Eject lever 11 68 658-0123-67 Plunger ass'y 11 69 658-0123-68 Plunger lever 12 70 658-0123-77 Polyslider 13 658-0123-78 Snap ring 14 72 743-2000-00 E-ring 15 74 658-0123-80 Flat washer 16 658-0123-81 Snap ring 17 658-0123-81 Snap ring 18 77 658-0123-81 Snap ring 19 78 732-2006-11 Sems screw (M2×6) (M2×6	58	658-0123-57	F.R release plate	1
61 658-0123-60 Flywheel plate 1 62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-81 Snap ring 3 78 732-2606-11 Sems screw (M2x6) (M2x6) (M2x6) (M2x6x6) 1 81 714-2606-81 Machine screw (M2x6x6) 1 82 714-3004-81 Machine screw (M2x6x6) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2x6x6) 1 85 732-2605-11 Sems screw (M2x6x6) 2 86 658-0123-72 Solenoid core 1 87 658-0123-73 Solenoid coil 1	59	658-0123-58	Pinch roller (L) ass'y	1
62 658-0123-61 Pressure cam 1 63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-81 Snap ring 2 78 732-2006-11 Sems screw (M2.6x4) 2 80 732-2604-11 Sems screw (M2.6x4) 2 81 714-2606-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M3x4) 1 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-72 Sems screw (M2.6x6) 1 87 74-2606-81 Machine screw (M3x4) 1 88 658-0123-72 Sems screw (M2.6x6) 1 89 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1	60	658-0123-59		1
63 658-0123-62 F.R gear plate (L) 1 64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x4) Sems screw (M2.6x6) (M2.6x6) The Machine screw (M2.6x6) The Mac	61	658-0123-60	Flywheel plate	1
64 658-0123-63 F.R gear plate (R) 1 65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x4) 2 80 732-2604-11 Sems screw (M2.6x4) 2 81 714-2606-81 Machine screw (M2.6x6) 1 82 714-3004-81 Machine screw (M2.6x6) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 2 86 658-0123-79 Sems screw (M2.6x6) 1 87 658-0123-71 Cord clamper 1 88 658-0123-72 Sems screw (M2.6x5) 1 89 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1	62	658-0123-61	Pressure cam	1
65 658-0123-64 Lever lock plate 1 66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-77 Polyslider 2 70 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-81 Snap ring 3 78 732-2006-11 Sems screw (M2.6x4) 2 80 732-2604-11 Sems screw (M2.6x4) 1 81 714-2606-81 (M2.6x6) 7 84 714-2606-81 (M2.6x6) 7 85 732-2605-11 (M2.6x6) 1 86 658-0123-72 Solenoid core 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1	63	658-0123-62	F.R gear plate (L)	1
66 658-0123-65 Eject lever 1 67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-78 Plunger lever 1 70 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 1 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x6) 2 79 732-2604-11 Sems screw (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M2.6x6) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-71 Cord clamper 1 87 658-0123-72 Solenoid core 1 88 658-0123-72 Solenoid core 1 89 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1	64	658-0123-63	F.R gear plate (R)	1
67 658-0123-66 Selector cam 1 68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 70 658-0123-78 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2x6) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 1 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 2 86 658-0123-71 Cord clamper 1 87 658-0123-69 Plunger lever selector spring 1 88 658-0123-72 Solenoid core 1 89 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1	65	658-0123-64	Lever lock plate	1
68 658-0123-67 Plunger ass'y 1 69 658-0123-68 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2κθ) 2 79 732-2604-11 Sems screw (M2.6κθ) 1 81 714-2606-81 Machine screw (M2.6κθ) 1 82 714-3004-81 Machine screw (M3xθ) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6κθ) 1 85 732-2605-11 Sems screw (M2.6κθ) 1 86 658-0123-79 Sems screw (M2.6κθ) 1 87 658-0123-71 Sems screw (M2.6κθ) 1 88 658-0123-79 Sems screw (M2.6κθ) 1 89 658-0123-79 Solenoid core 1 89 658-0123-79 Solenoid core 1 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	66	658-0123-65	Eject lever	1
69 658-0123-68 Plunger lever 1 70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2x6) 2 79 732-2604-11 Sems screw (M2x6x4) 2 80 732-2606-11 Sems screw (M2x6x6) 1 81 714-2606-81 Machine screw (M2x6x6) 7 82 714-3004-81 Machine screw (M2x6x6) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2x6x6) 2 85 732-2605-11 Sems screw (M2x6x6) 2 86 658-0123-71 Cord clamper 1 87 658-0123-72 Solenoid core 1 88 658-0123-72 Solenoid core 1 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	67	658-0123-66	Selector cam	1
70 658-0123-77 Polyslider 2 71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x4) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x5) 1 85 732-2605-11 Sems screw (M2.6x5) 1 86 658-0123-79 Solenoid core 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	68	658-0123-67	Plunger ass'y	1
71 658-0123-78 Snap ring 4 72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x4) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Machine screw (M2.6x6) 1 81 714-2606-81 Machine screw (M3.4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 1 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-71 Solenoid core 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	69	658-0123-68	Plunger lever	1
72 743-2000-00 E-ring 7 73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x6) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3.4x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 2 85 732-2605-11 Scems screw (M2.6x6) 1 86 658-0123-72 Solenoid core 1 87 658-0123-72 Solenoid core 1	70	658-0123-77	Polyslider	2
73 658-0123-79 Snap ring 1 74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2x6) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2604-11 Machine screw (M2.6x6) 7 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-71 Solenoid core 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	71	658-0123-78	Snap ring	4
74 658-0123-80 Flat washer 2 75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2x6x4) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-75 Solenoid coil 1	72	743-2000-00	E-ring	7
75 743-3000-00 E-ring 1 76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2×6) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3×4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	73	658-0123-79	Snap ring	1
76 658-0123-81 Snap ring 3 77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2.6x4) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x4) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3.44) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 2 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	74	658-0123-80	Flat washer	2
77 658-0123-82 Screw 2 78 732-2006-11 Sems screw (M2x6) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x6) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	75	743-3000-00	E-ring	1
78 732-2006-11 Sems screw (M2x6) 2 79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x4) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M3.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	76	658-0123-81	Snap ring	3
79 732-2604-11 Sems screw (M2.6x4) 2 80 732-2606-11 Sems screw (M2.6x4) 1 81 714-2606-81 Machine screw (M2.6x6) 7 82 714-3004-81 Machine screw (M3x4) 1 83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M3.6x6) 2 85 732-2605-11 Sems screw (M2.6x6) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	77	658-0123-82	Screw	2
M2.6x4 2 2 3 3 3 3 3 3 3	78	732-2006-11	Sems screw (M2x6)	2
State	79	732-2604-11	Sems screw (M2.6x4)	2
ST	80	732-2606-11	Sems screw (M2.6x6)	1
83 658-0123-71 Cord clamper 1 84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x5) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	81	714-2606-81		7
84 714-2606-81 Machine screw (M2.6x6) 2 85 732-2605-11 Sems screw (M2.6x5) 1 86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	82	714-3004-81		1
M2.6x6 2	83	658-0123-71	Cord clamper	1
86 658-0123-69 Plunger lever selector spring 1 87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	84	714-2606-81	Machine screw (M2.6x6)	2
87 658-0123-72 Solenoid core 1 88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	85	732-2605-11	Sems screw (M2.6x5)	1
88 658-0123-73 Shaft collor 2 89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	86	658-0123-69	Plunger lever selector spring	1
89 658-0123-74 Spring 1 90 658-0123-75 Solenoid coil 1	87	658-0123-72	Solenoid core	1
90 658-0123-75 Solenoid coil 1	88	658-0123-73	Shaft collor	2
Of Other Prince Communication	89	658-0123-74	Spring	1
91 658-0123-84 Snap ring 7	90	658-0123-75	Solenoid coil	1
	91	658-0123-84	Snap ring	7



PARTS LIST:

©Electrical section

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	QTY
D ₃₀₃ ^{102,202,301,302}	001-0095-00	Diode (1S2076)	5
D _{101,201}	001-0180-00	Diode (1S188FM)	2
D _{304,305,306}	001-0186-00	Diode (10E2)	3
L ₂	009-0470-02	Choke	1
L ₃	009-0625-00	Choke	1.
VR _{1,2,7}	012-3733-07	Variable resistor (10kΩ)	- 3
VR _{3,4,5,6}	012-3733-09	Variable resistor (33kΩ)	4
RY ₁	014-0454-00	Relay (G2V2)	1
R ₃₀₇	032-0018-00	Fuse resistor (2.2Ω)	1
R _{110,210}	032-0037-00	Solid resistor (3.9kΩ)	2
R _{108,208}	032-0059-01	Solid resistor (1kΩ)	2
R _{117,217}	032-0059-03	Solid resistor (4.7kΩ)	2
C _{107,207}	042-0140-00	Electrolytic capacitor (50V0.22μF)	2
C _{110,210}	043-0068-00	Ceramic capacitor (50V0.0047µF)	2
C _{109,112,209,212}	043-0093-00	Ceramic capacitor (50V0.015 μF)	4
IC ₂	051-0118-00	IC (HA11226)	1
IC ₁	051-0187-00	IC (μPC1032H)	1
Q_1	102-1959-25	Transistor (2SC1959Y)	1
R ₃₁₃	111-1011-22	Film resistor (¼Ws100Ω)	1
R _{118,218,303}	111-1031-22	Film resistor (¼Ws10kΩ)	3
R _{101,113,201}	111-1041-21	Film resistor (¼Ws100kΩ)	3
R _{111,211,213,301}	111-1041-22	Film resistor (¼Ws100kΩ)	4
R _{114,214}	111-1231-22	Film resistor (¼Ws12kΩ)	2
R ₃₁₀	111-1511-41	Film resistor (½W150Ω)	1
R ₂₀₄	111-1541-21	Film resistor (¼Ws150kΩ)	1
R ₁₀₄	111-1541-22	Film resistor (¼Ws150kΩ)	1
R ₃₀₆	111-1591-21	Film resistor (¼Ws1.5Ω)	1
R _{112,212}	111-1811-22	Film resistor (¼Ws180Ω)	2
R _{203,312}	111-2221-21	Film resistor (½ Ws2.2kΩ)	2
R ₁₀₃	111-2221-22	Film resistor (¼Ws2.2kΩ)	1

REF.NO.	PART NO. (ORDER NO.)	DESCRIPTION	Q'TY
R _{119,219}	111-2231-22	Film resistor	2
-R ₃₀₂	111-2241-22	(¼Ws22kΩ) Film resistor	1
	111-2291-22	(¼Ws220kΩ) Film resistor	1
•R ₃₁₁		(½Ws2.2Ω) Film resistor	
R _{107,207}	111-2721-21	(½Ws2.7kΩ) Film resistor	2
R _{115,116,215,216}	111-2741-22	(¼Ws270kΩ)	4
R _{105,205}	111-3341-21	Film resistor (¼Ws330kΩ)	2
R _{102,202}	111-3901-21	Film resistor (¼Ws39Ω)	2
R _{106,206}	111-3921-21	Film resistor (¼Ws3.9kΩ)	2
R _{109,209}	111-4731-22	Film resistor (¼Ws47kΩ)	2
R _{304,308,309}	114-1511-51	Film resistor (1W150Ω)	3
C _{101,201}	141-1022-10	Polyester capacitor (50V0.001 µF)	2
C ₃₀₄	141-1032-10	Polyester capacitor (50V0.01 µF)	1
C _{115,215}	141-1041-10	Polyester capacitor (50V0.1μF)	2
C ₃₀₅	141-1042-10	Polyester capacitor (50V0.1 μF)	1
C _{106,206}	141-1832-10	Polyester capacitor (50V0.018μF)	2
C _{104,204}	141-2232-10	Polyester capacitor (50V0.022 µF)	2
C _{102,202}	179-1073-22	Electrolytic capacitor (10V100μF)	2
C ₃₀₇	179-1083-33	Electrolytic capacitor (16V1000μF)	1
C ₃₀₁	179-2273-33	Electrolytic capacitor (16V220µF)	1
C ₃₀₆	179-4773-33	Electrolytic capacitor (16V470µF)	1
C ₂₀₅	180-1054-61	Electrolytic capacitor (50V1 µF)	1
C ₁₀₅	180-1054-62	Electrolytic capacitor (50V1 µF)	1
C _{113,213,302}	180-1064-32	Electrolytic capacitor (16V10µF)	3
C ₃₀₃	180-3364-32	Electrolytic capacitor (16V33µF)	1
C _{114,214}	181-1043-62	Electrolytic capacitor (50V0.1μF LN)	2
C _{108,111,208,211}	181-3343-62	Electrolytic capacitor (50V0.33μF LN)	4
C _{103,203}	182-1053-62	Electrolytic capacitor (50V1 µF)	2
C _{116,216}	182-1063-32	Electrolytic capacitor (16V10μF)	2
C ₃₁₀	182-3363-32	Electrolytic capacitor	1
C ₃₀₉	182-4763-32	(16V33μF) Electrolytic capacitor	1
309	102-7700-02	(16V47 _µ F)	