

# EPSON

## FX850

Page 1

| REF     | PART       | DESC                        | QTY | STANDARD            |
|---------|------------|-----------------------------|-----|---------------------|
| 100     | F337551000 | LOWER CASE ASSEMBLY INC 115 | 1   |                     |
| 101     | F337553010 | PRINTER COVER B             | 1   |                     |
| 102     | F337552000 | PRINTER COVER A             | 1   |                     |
| 103     | F337553020 | SHEET GUIDE COVER           | 1   |                     |
| 104     | F337554000 | SHEET GUIDE ASSEMBLY        | 1   |                     |
| 105     | F337555010 | BASE PLATE                  | 1   |                     |
| 106     | F337555020 | UPPER CASE                  | 1   |                     |
| 107     | F337555030 | SIDE COVER                  | 1   |                     |
| 108     | F337557010 | LOGO PLATE                  | 1   |                     |
| 109     | F334554020 | GROUND PLATE                | 3   |                     |
| 110     | F337555040 | PAPER TENSION HOLDER        | 2   |                     |
| 111     | 1002964    | KNOB;B                      | 1   |                     |
| 112     | F330553060 | SHIELD PLATE                | 1   |                     |
| 113     | F337558020 | NOTICE SHEET                | 1   |                     |
| 114     | F337555050 | CARRIAGE UNIT HOLDER        | 1   |                     |
| 115     | F360551020 | RUBBER FOOT                 | 4   |                     |
| 117     | B310204511 | C.B.B. SCREW                | 1   | M3X12               |
| 118     | B310206411 | C.B.B. SCREW                | 4   | M4X12               |
| 119     | B310206419 | C.B.B. SCREW                | 2   | M4X12               |
| 120     | B313306811 | C.B.B.(P) SCREW             | 4   | M4X25               |
| 121     | B302404211 | C.P.S.(O) SCREW             | 9   | M3X6                |
| 122     | B045800115 | C.B.(O) SCREW               | 1   | M4X8                |
| 123     | B045800114 | C.B.(O) SCREW               | 2   | M4X8                |
| 124     | B320204312 | C.B.P. SCREW                | 1   | M3X8                |
| 125     | B040304114 | CUP SCREW                   | 1   | M4X12               |
| 126     | B300304311 | C.C.S. SCREW                | 2   | M3X8                |
| 200     | Y461201000 | PEGX BOARD UNIT EXC. 4A     | 1   |                     |
| 201     | Y461000001 | HEAT SINKER                 | 1   | M381-010            |
| 202     | Y566004001 | HEAT SINKER                 | 1   | M395-050            |
| 204     | Y461001001 | INSULATOR                   | 1   | M381-020            |
| 205     | Y903005001 | TRANSISTOR HOLDER           | 1   | M903-1080           |
| 207     | B300304711 | C.C.S. SCREW                | 3   | M3X16               |
| 208     | B300304411 | C.C.S. SCREW                | 1   | M3X10               |
| 1A      | X440072350 | IC                          | 1   | BIPOLAR SWREG DIP   |
| 2A      | X440672210 | HYBRID IC                   | 1   |                     |
| 3A      | Y461800002 | GATE ARRAY E05A15HA         | 1   | C-MOS               |
| 4A      | Y461800704 | P-ROM PG4-A7,               | 1   | 256K BIT            |
| 4B      | X400078101 | MICROCONTROLLER,            | 1   | N-MOS 8BIT          |
| 5A,6A   | X400662647 | S-RAM,                      | 2   | C-MOS 64KBIT 150NS  |
| 7A      | Y461800003 | GATE ARRAY E05A16GA         | 1   | C-MOS               |
| BT1     | X505000900 | LITHIUM BATTERY             | 1   | 1200MAH 3V          |
| B1-B4   | Y556204003 | BEADS CORE                  | 4   |                     |
| B5      | Y461201006 | BEADS CORE                  | 1   |                     |
| CN1     | X600463644 | CONNECTOR                   | 1   | 36 PIN              |
| CN10    | X601110200 | CONNECTOR                   | 1   | 2 PIN               |
| CN11    | X602022000 | CONNECTOR                   | 1   | 20 PIN              |
| CN2     | X600652622 | CONNECTOR                   | 1   | 26PIN               |
| CN3     | X600720400 | CONNECTOR                   | 1   | 4 PIN               |
| CN4     | X601421260 | CONNECTOR                   | 1   | 12P 1.25MM          |
| CN5,CN7 | X601110200 | CONNECTOR                   | 2   | 2 PIN               |
| CN6     | X601110300 | CONNECTOR                   | 1   | 1*3PIN              |
| CN8     | X601110630 | CONNECTOR                   | 1   | 6 PIN               |
| CN9     | X601110600 | CONNECTOR                   | 1   | 6 PIN               |
| CR1     | X504012100 | CERAMIC OSCILLATOR          | 1   | 14.7456MHZ          |
| C1      | X202516823 | ELECTROLYTIC CAPACITOR      | 1   | 6800UF 50V 20% 105C |
| C10     | X224221041 | CERAMIC CAPACITOR           | 1   | 0.1UF DC50V +80-20% |

# EPSON

## FX850

Page 2

| REF       | PART       | DESC                      | QTY | STANDARD              |
|-----------|------------|---------------------------|-----|-----------------------|
| C11       | X200151021 | AL'UUM. ELYTIC. CAP.      | 1   | 1000UF 10V 20%        |
| C12,C14   | X224161041 | CERAMIC CAPACITOR         | 2   | 0.1UF DC25V +80% -20% |
| C16       | X220223910 | CERAMIC CAPACITOR         | 1   | 390PF DC50V 10%       |
| C17,C23   | X220224710 | CERAMIC CAPACITOR         | 2   | 470PF DC50V 10%       |
| C2,C3     | X200452224 | ELECTROLYTIC CAPACITOR    | 2   | 2200UF 35V +-20%      |
| C20,C21   | X224161041 | CERAMIC CAPACITOR         | 2   | 0.1UF DC25V +80% -20% |
| C22,C24   | X224161041 | CERAMIC CAPACITOR         | 2   | 0.1UF DC25V +80% -20% |
| C25,C27   | X224161041 | CERAMIC CAPACITOR         | 2   | 0.1UF DC25V +80% -20% |
| C26       | X200560229 | AL'UUM. ELYTIC. CAP.      | 1   | 2.2UF DC50V 20%       |
| C28,C31   | X224161041 | CERAMIC CAPACITOR         | 2   | 0.1UF DC25V +80% -20% |
| C29,C34   | X220221520 | CERAMIC CAPACITOR         | 2   | 1500PF DC50V 10%      |
| C30       | X220224710 | CERAMIC CAPACITOR         | 1   | 470PF DC50V 10%       |
| C32       | X224161041 | CERAMIC CAPACITOR         | 1   | 0.1UF DC25V +80% -20% |
| C33       | X200560109 | AL'UUM. ELYTIC. CAP.      | 1   | 1.0UF DC50V 20%       |
| C35       | X220225620 | CERAMIC CAPACITOR         | 1   | 5600PF 50V 10%        |
| C36       | X221224704 | CERAMIC CAPACITOR         | 1   | 47PF DC50V 5%         |
| C37-C39   | X224161041 | CERAMIC CAPACITOR         | 3   | 0.1UF DC25V +80% -20% |
| C4        | X200361020 | ELECTROLYTIC CAPACITOR    | 1   | 1000UF DC25V 20%      |
| C40-C42   | X220221020 | CERAMIC CAPACITOR         | 3   | 1000PF DC50V 10%      |
| C5,C7,C13 | X200560109 | AL'UUM. ELYTIC. CAP.      | 3   | 1.0UF DC50V 20%       |
| C6,C8     | X220223310 | CERAMIC CAPACITOR         | 2   | 330PF DC50V 10%       |
| C9        | X230091034 | FILM CAPACITOR            | 1   | 0.01UF DC50V 5%       |
| DB1       | X340400510 | DIODE BRIDGE              | 1   | 100V 6.0A             |
| D1,D4,D16 | X320010512 | DIODE                     | 3   | 100V 1A               |
| D15       | X320010939 | DIODE                     | 1   | DC35V 100MA           |
| D18       | X320011679 | DIODE                     | 1   | 16V 15MA              |
| D19-D27   | X320010939 | DIODE                     | 9   | DC35V 100MA           |
| D2,D3     | X320011742 | DIODE                     | 2   | 60V 1.8A              |
| D5-D13    | X320011669 | DIODE                     | 9   | 80V 130MA             |
| F2        | X502062005 | FUSE                      | 1   | 250V 3.15A            |
| F3,F4     | X502097000 | FUSE                      | 2   | 125V 2A               |
| L1        | Y448201005 | COIL                      | 1   |                       |
| L2        | Y565201005 | COIL                      | 1   | 400UH 2A              |
| Q1-Q9     | X302398709 | TRANSISTOR                | 9   | 60+-10V 3A 2W         |
| Q10,Q12   | X300145009 | TRANSISTOR                | 2   | 80V 500MA 600MW       |
| Q11       | X302374809 | TRANSISTOR                | 1   | NPN60V 10A 2W         |
| Q13       | X302374609 | TRANSISTOR                | 1   | NPN60V 5A             |
| Q15       | X301076530 | TRANSISTOR                | 1   | PNP 20V 3.0A 30W      |
| Q16       | X302398709 | TRANSISTOR                | 1   | 60+-10V 3A 2W         |
| Q17       | X301131809 | TRANSISTOR                | 1   | PNP 100V 3A 1W        |
| Q18-Q21   | X303056009 | TRANSISTOR                | 4   | 120V 5A 1.5W          |
| Q22,Q25   | X302181589 | TRANSISTOR                | 2   | NPN 50V 150MA 400MW   |
| Q23,Q24   | X300101509 | TRANSISTOR                | 2   | PNP 50V 150MA 400MW   |
| Q30       | X302181589 | TRANSISTOR                | 1   | NPN 50V 150MA 400MW   |
| RM1,RM10  | X113083320 | RESISTOR ARRAY            | 2   | 3.3K OHM 1/8W 5% 8P   |
| RM2-RM5   | Y453201002 | RESISTOR ARRAY            | 4   | 1K&3.3K OHM 1/8W 5%   |
| RM6       | X113043320 | RESISTOR ARRAY            | 1   | 3.3K OHM 1/8W 5% 4P   |
| RM7-RM9   | X113242210 | RESISTOR ARRAY            | 3   | 220 OHM 1/8W 5%       |
| R1,R7,R14 | X154413322 | CARBON FILM RESISTOR      | 3   | 3.3K OHM 1/4W 5%      |
| R10       | X130311226 | METAL FILM RESISTOR       | 1   | 1.2K OHM 3W           |
| R12,R25   | X150423322 | CARBON FILM RESISTOR      | 2   | 3.3K OHM 1/4W 5%      |
| R13       | X130112726 | METAL OXIDE FILM RESISTOR | 1   | 2.7K OHM 1W 5%        |
| R15       | X154412432 | CARBON FILM RESISTOR      | 1   | 24K OHM 1/4W +-5%     |
| R17,R20   | X154413322 | CARBON FILM RESISTOR      | 2   | 3.3K OHM 1/4W 5%      |
| R18,R21   | X154411042 | CARBON FILM RESISTOR      | 2   | 100K OHM 1/4W 5%      |
| R19       | X154413332 | CARBON FILM RESISTOR      | 1   | 33K OHM 1/4W 5%       |

# EPSON

## FX850

Page 3

| REF      | PART       | DESC                      | QTY | STANDARD               |
|----------|------------|---------------------------|-----|------------------------|
| R2       | X143192401 | HIGH STAB. M/F RESISTOR   | 1   | 2.4K OHM 1/4W 1%       |
| R22      | X154413922 | CARBON FILM RESISTOR      | 1   | 3.9K OHM 1/4W 5%       |
| R23,R41  | X154411832 | CARBON FILM RESISTOR      | 2   | 18K OHM 1/4W 5%        |
| R24      | X154413042 | CARBON FILM RESISTOR      | 1   | 300K OHM 1/4W 5%       |
| R26      | X150421832 | CARBON FILM RESISTOR      | 1   | 18K OHM 1/4W 5%        |
| R27,R75  | X150421022 | CARBON FILM RESISTOR      | 2   | 1K OHM 1/4W 5%         |
| R28-R36  | X154411022 | CARBON FILM RESISTOR      | 9   | 1K OHM 1/4W 5%         |
| R3       | X160220023 | CEMENT RESISTOR           | 1   | 0.22 OHM 3W +-5%       |
| R37      | X150423322 | CARBON FILM RESISTOR      | 1   | 3.3K OHM 1/4W 5%       |
| R37,R61  | X150423322 | CARBON FILM RESISTOR      | 2   | 3.3K OHM 1/4W 5%       |
| R38,R48  | X154416222 | CARBON FILM RESISTOR      | 2   | 6.2K OHM 1/4W 5%       |
| R4       | X154411132 | CARBON FILM RESISTOR      | 1   | 11K OHM 1/4W 5%        |
| R42      | X154412022 | CARBON FILM RESISTOR      | 1   | 2K OHM 1/4W 5%         |
| R44      | X143192741 | HIGH STAB. M/F RESISTOR   | 1   | 2.74K OHM 1/4W 1%      |
| R45      | X143199092 | HIGH STAB. M/F RESISTOR   | 1   | 90.90K OHM 1/4W 1%     |
| R46      | X150422212 | CARBON FILM RESISTOR      | 1   | 220 OHM 1/4W 5%        |
| R47,R71  | X154411032 | CARBON FILM RESISTOR      | 2   | 10K OHM 1/4W 5%        |
| R49      | X154416222 | CARBON FILM RESISTOR      | 1   | 6.2K OHM 1/4W 5%       |
| R5,R16   | X154413012 | CARBON FILM RESISTOR      | 2   | 300 OHM 1/4W 5%        |
| R50-R56  | X154411022 | CARBON FILM RESISTOR      | 7   | 1K OHM 1/4W 5%         |
| R57      | X150421032 | CARBON FILM RESISTOR      | 1   | 10K OHM 1/4W 5%        |
| R58      | X154411832 | CARBON FILM RESISTOR      | 1   | 18K OHM 1/4W 5%        |
| R59      | X150423332 | CARBON FILM RESISTOR      | 1   | 33K OHM 1/4W +-5%      |
| R6       | X143199101 | HIGH STAB. M/F RESISTOR   | 1   | 9.1K OHM 1/4W 1%       |
| R60      | X154413012 | CARBON FILM RESISTOR      | 1   | 300 OHM 1/4W 5%        |
| R61,R85  | X154413322 | CARBON FILM RESISTOR      | 2   | 3.3K OHM 1/4W 5%       |
| R62,R66  | X154413322 | CARBON FILM RESISTOR      | 2   | 3.3K OHM 1/4W 5%       |
| R63      | X130111006 | METAL OXIDE FILM RESISTOR | 1   | 10 OHM 1W 5%           |
| R64      | X150423322 | CARBON FILM RESISTOR      | 1   | 3.3K OHM 1/4W 5%       |
| R65,R70  | X154411022 | CARBON FILM RESISTOR      | 2   | 1K OHM 1/4W 5%         |
| R67      | X153222222 | CARBON FILM RESISTOR      | 1   | 2.2K OHM 1/2W 5%       |
| R68      | X145191021 | HIGH STAB. M/F RESISTOR   | 1   | 1.02K OHM 1/4W +-0.5%  |
| R69      | X150423922 | CARBON FILM RESISTOR      | 1   | 3.9K OHM 1/4W 5%       |
| R72      | X145199881 | HIGH STAB. M/F RESISTOR   | 1   | 9.88K OHM 1/4W +-0.5%  |
| R73      | X154412222 | CARBON FILM RESISTOR      | 1   | 2.2K OHM 1/4W 5%       |
| R74,R82  | X154411012 | CARBON FILM RESISTOR      | 2   | 100 OHM 1/4W 5%        |
| R76      | X150425612 | CARBON FILM RESISTOR      | 1   | 560 OHM 1/4W +-5%      |
| R77,R79  | X154411512 | CARBON FILM RESISTOR      | 2   | 150 OHM 1/4W 5%        |
| R78,R86  | X150421022 | CARBON FILM RESISTOR      | 2   | 1K OHM 1/4W 5%         |
| R8,R11   | X154412002 | CARBON FILM RESISTOR      | 2   | 20 OHM 1/4W 5%         |
| R80,R81  | X154411022 | CARBON FILM RESISTOR      | 2   | 1K OHM 1/4W 5%         |
| R83,R100 | X154411022 | CARBON FILM RESISTOR      | 2   | 1K OHM 1/4W 5%         |
| R84      | X154411012 | CARBON FILM RESISTOR      | 1   | 100 OHM 1/4W 5%        |
| R87      | X154411042 | CARBON FILM RESISTOR      | 1   | 100K OHM 1/4W 5%       |
| R9       | X154415612 | CARBON FILM RESISTOR      | 1   | 560 OHM 1/4W 5%        |
| R97      | X143193011 | HIGH STAB. M/F RESISTOR   | 1   | 3.01K OHM 1/4W 1%      |
| R98      | X143195621 | HIGH STAB. M/F RESISTOR   | 1   | 5.62K OHM 1/4W 1%      |
| R99      | X150421022 | CARBON FILM RESISTOR      | 1   | 1K OHM 1/4W 5%         |
| SW1      | X620400835 | DIP SWITCH                | 1   | 8PIN                   |
| SW2      | X620400465 | DIP SWITCH                | 1   | 4PIN                   |
| ZD10     | X330030359 | ZENER DIODE               | 1   | 19.32-20.39V 400MW     |
| ZD2-ZD5  | X330030339 | ZENER DIODE               | 4   | 85-96V 500MW           |
| ZD6      | X330160109 | ZENER DIODE               | 1   | 4.7 +-0.05V 0.15A 0.4A |
| ZD8      | X330180089 | ZENER DIODE               | 1   | 3.01-3.22V 400MW       |
| 4A       | X630112830 | IC SOCKET                 | 1   | 28PIN                  |
| 450      | Y461501000 | PGPNL PANEL               | 1   |                        |

# EPSON

## FX850

Page 4

| REF | PART       | DESC                                   | QTY | STANDARD           |
|-----|------------|----------------------------------------|-----|--------------------|
| 301 | X502061011 | FUSE FOR 120V                          | 1   | 125V 2A            |
| 310 | Y566204000 | PEBFIL-II BOARD UNIT - EUR             | 1   | 220V/240V          |
| 310 | Y566204300 | PEBFIL-II BOARD UNIT (SCANDINAVIA)     | 1   | 220V               |
| 311 | X502063040 | FUSE FOR 220/240V                      | 1   | 250V 1.25A         |
| 321 | X502061011 | FUSE FOR 100V                          | 1   | 125V 2A            |
| 351 | Y566505000 | POWER TRANSFORMER (EUR)                | 1   | 220V               |
| 352 | Y566506000 | POWER TRANSFORMER (ENGLAND)            | 1   | 240V               |
| 400 | 2002364    | POWER CABLE (VD31303SA-10A) EUR        | 1   | 220V               |
| 401 | Y901305500 | POWER CABLE (BS31303SA-SR) UK          | 1   | 240V               |
| 500 | Y461590100 | PRINTER MECHANISM INC 528-110-114      | 1   | M-3B10             |
| 501 | F337002000 | FRAME (LEFT)                           | 1   |                    |
| 502 | F334004000 | PAPER HOLDING LEVER (LEFT)             | 1   |                    |
| 503 | F337004000 | FRAME (RIGHT)                          | 1   |                    |
| 504 | F334005320 | PAPER HOLDING LEVER (RIGHT)            | 1   |                    |
| 505 | F337056000 | CARRIAGE MOTOR                         | 1   | 24W                |
| 507 | F334051010 | CARRIAGE MOTOR MOUNTING PLATE          | 1   |                    |
| 508 | B302404211 | C.P.S.(O) SCREW                        | 8   | M3X6               |
| 509 | F337101000 | BELT DRIVEN PULLEY ASSEMBLY            | 1   |                    |
| 510 | F334102000 | RIBBON DRIVE ASSEMBLY                  | 1   |                    |
| 512 | F334152000 | FRICITION/TRACTOR SENSOR               | 1   |                    |
| 513 | F337201000 | CARRIAGE UNIT INC 551                  | 1   |                    |
| 514 | F334251000 | PLUNGER ASSEMBLY                       | 1   |                    |
| 515 | 1000244    | PAPER GUIDE UNIT - INC 516             | 1   |                    |
| 516 | F334254000 | PAPER END SENSOR                       | 1   |                    |
| 517 | F334255000 | PAPER FEED ROLLER ASSEMBLY             | 1   |                    |
| 518 | F334256000 | PAPER HOLDING ROLLER ASSEMBLY          | 1   |                    |
| 519 | F334257010 | TRACTOR FRAME                          | 2   |                    |
| 520 | F334257020 | TRACTOR SHAFT                          | 1   |                    |
| 521 | F334257031 | TRACTOR ASSEMBLY (LEFT)                | 1   | LOCK LEVER = BLACK |
| 521 | 1010272    | TRACTOR,LEFT                           | 1   | LOCK LEVER = GRAY  |
| 522 | F334257041 | TRACTOR ASSEMBLY (RIGHT)               | 1   | LOCK LEVER = BLACK |
| 522 | 1010273    | TRACTOR,RIGHT                          | 1   | LOCK LEVER = GRAY  |
| 523 | F334257050 | PAPER SUPPORT                          | 1   |                    |
| 524 | F334257060 | TRACTOR GEAR                           | 1   |                    |
| 526 | F334257070 | TRACTOR UNIT COVER                     | 1   |                    |
| 527 | F304101020 | SPROCKET GUIDE SHAFT                   | 1   |                    |
| 528 | F334258000 | PAPER TENSION UNIT                     | 1   |                    |
| 529 | F334259000 | PAPER TENSION FRAME (RIGHT)            | 1   |                    |
| 530 | F334260000 | PAPER TENSION ROLLER SHAFT ASSEMBLY    | 1   |                    |
| 531 | F334258020 | PAPER TENSION SUPPORT ROLLER SHAFT     | 1   |                    |
| 532 | F334258040 | PAPER TENSION ROLLER TRANSMISSION GEAR | 1   |                    |
| 533 | F334258060 | PAPER TENSION SUPPROT ROLLER           | 6   |                    |
| 534 | F334258070 | PAPER TENSION UNIT COVER               | 1   |                    |
| 535 | F334258080 | PAPER TENSION LOCK LEVER               | 2   |                    |
| 536 | F334259010 | PAPER TENSION FRAME (LEFT)             | 1   |                    |
| 537 | B230250230 | PRINT WHEEL SHAFT HOLDER               | 1   |                    |
| 538 | F343253010 | PAPER GUIDE LABEL                      | 1   |                    |
| 539 | F334005010 | BASE FRAME                             | 1   |                    |
| 540 | F337005010 | CARRIAGE GUIDE SHAFT B                 | 1   |                    |
| 541 | F334005030 | HEAD ADJUSTMENT LEVER                  | 1   |                    |
| 542 | F337005020 | HEAD CABLE                             | 1   |                    |
| 544 | F334005060 | HEAD ADJUSTMENT BUSH                   | 1   |                    |
| 545 | F334005070 | PARALLEL ADJUSTMENT BUSH               | 1   |                    |
| 546 | F337005030 | HEAD CABLE HOLDER                      | 1   |                    |
| 547 | F334005090 | HOME POSITION SENSOR CABLE             | 1   |                    |
| 548 | F334005100 | DAMPER                                 | 4   |                    |

## Page 5

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# EPSON FX850

Page 6

[illegible]

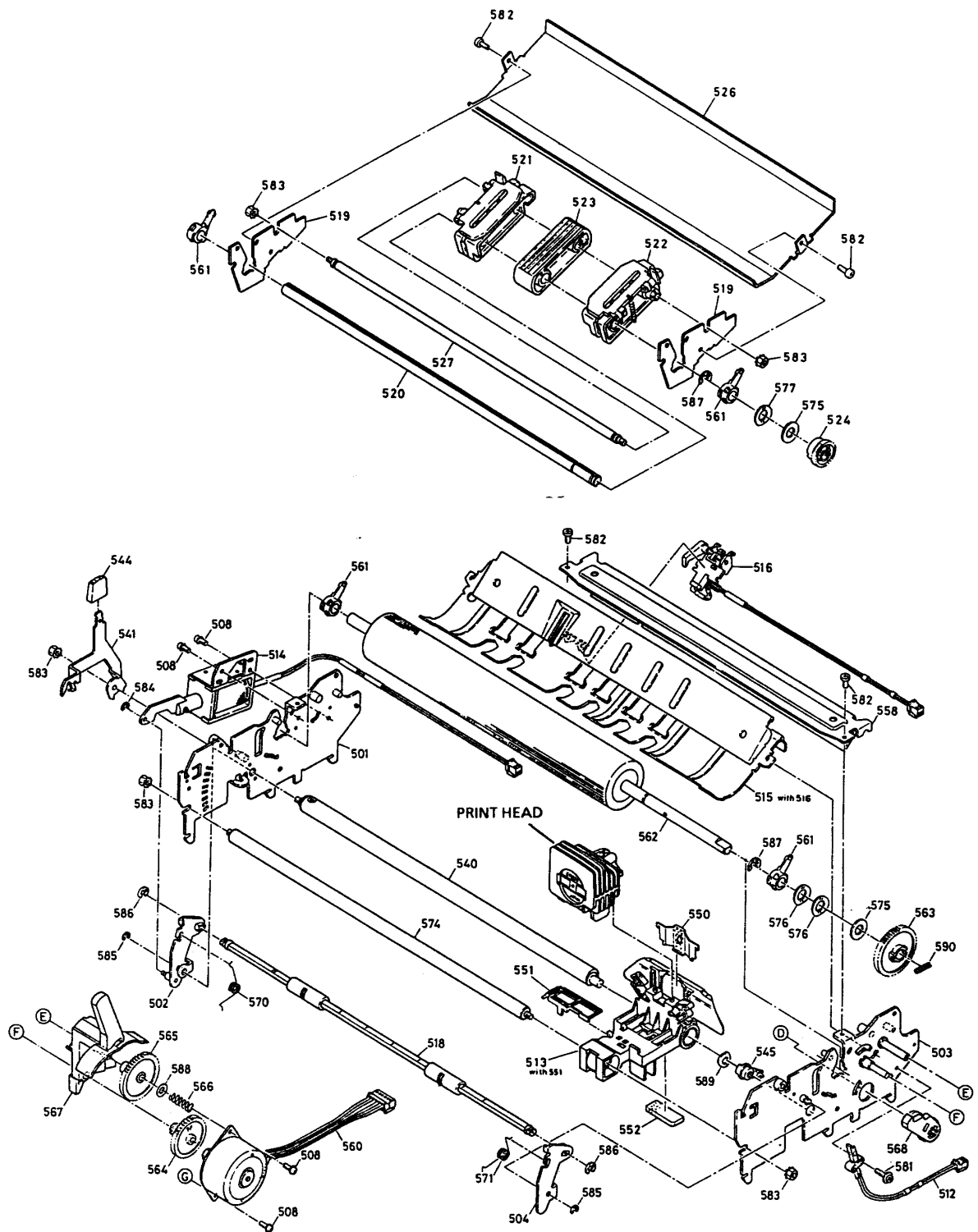
## Page 7

[illegible]

## Page 8





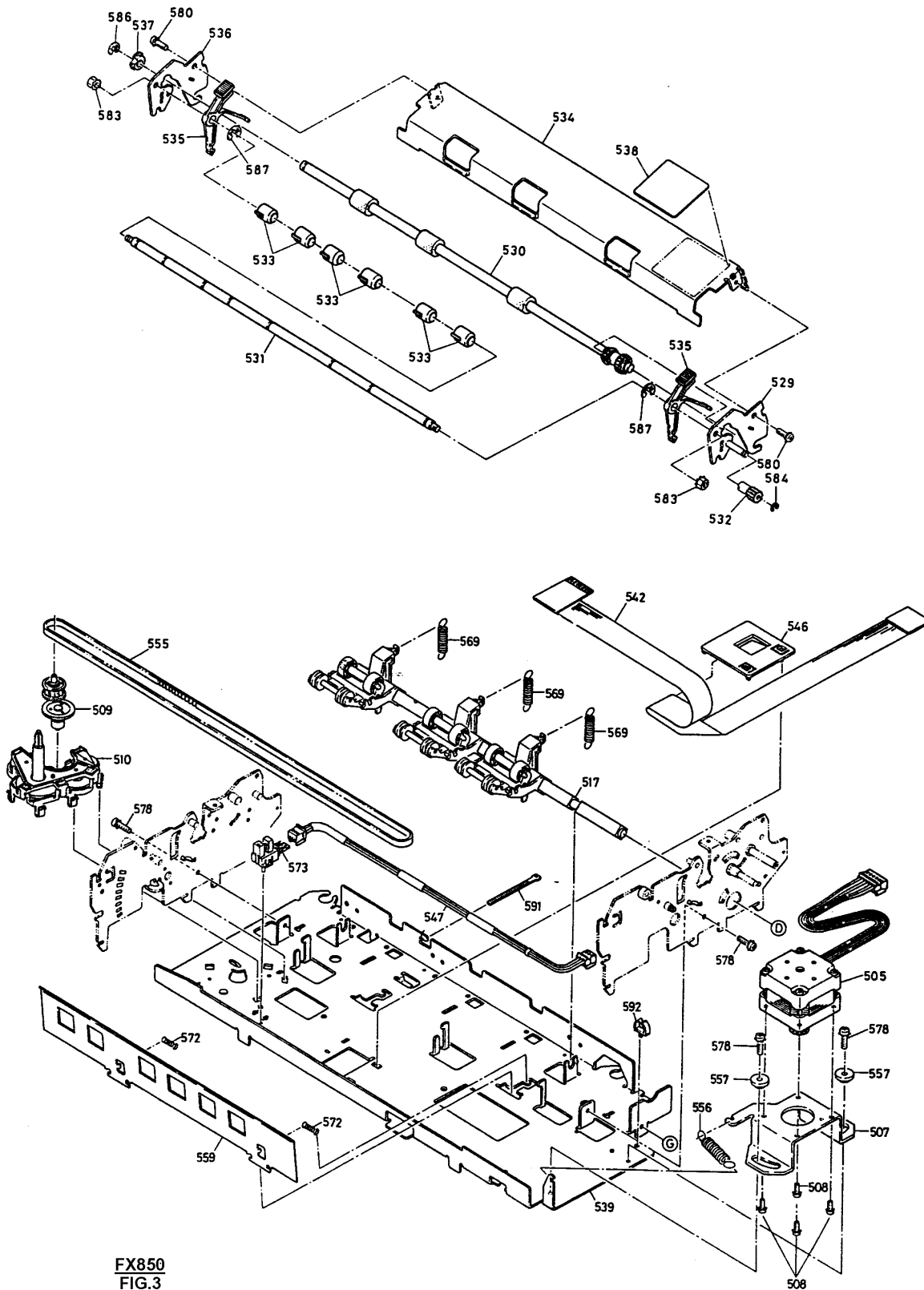


FX850  
FIG.2

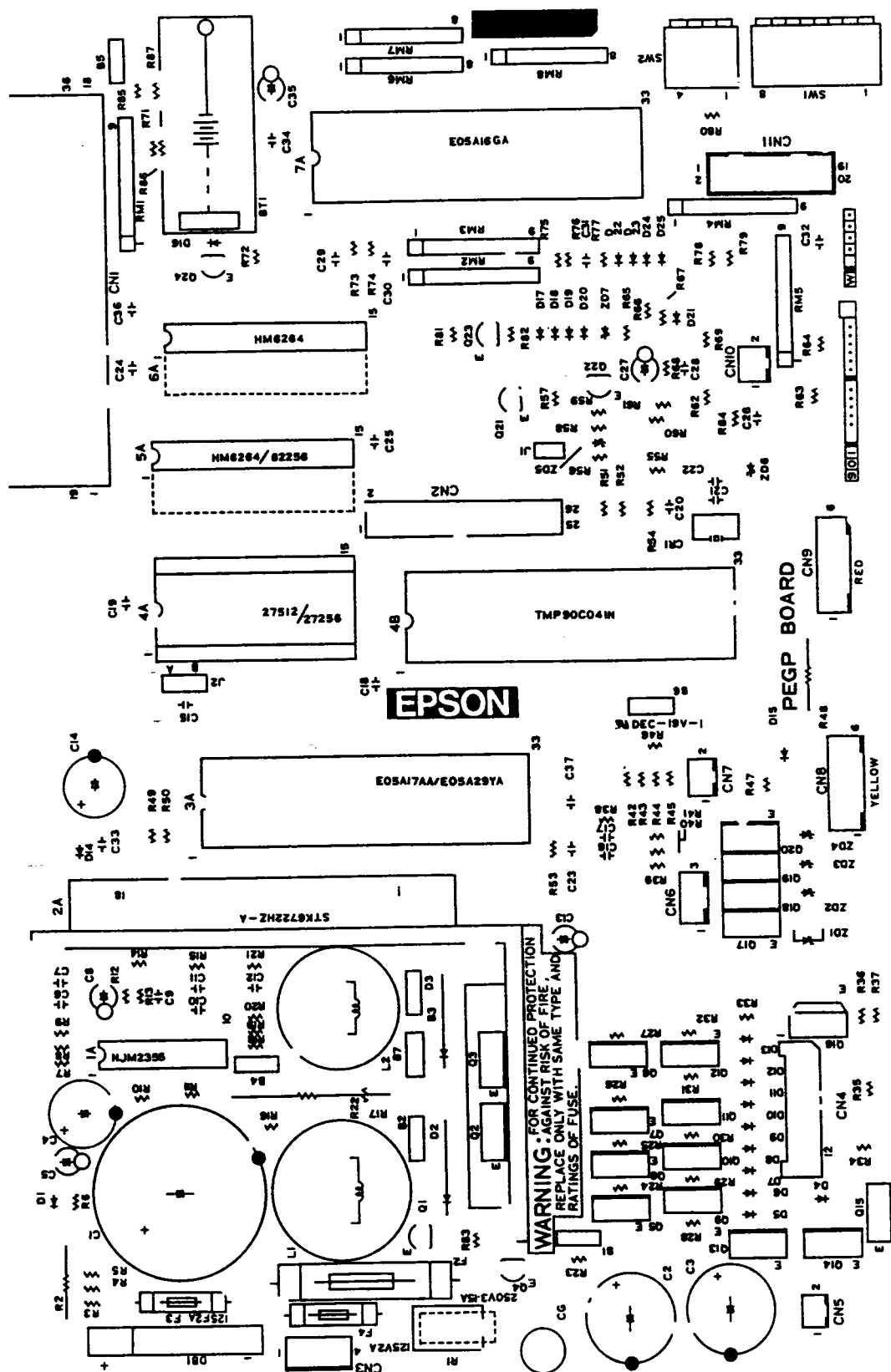
# EPSON

## FX850

Page 10



**FX850**  
**FIG.3**



FX850 PEGP BOARD  
FIG.4