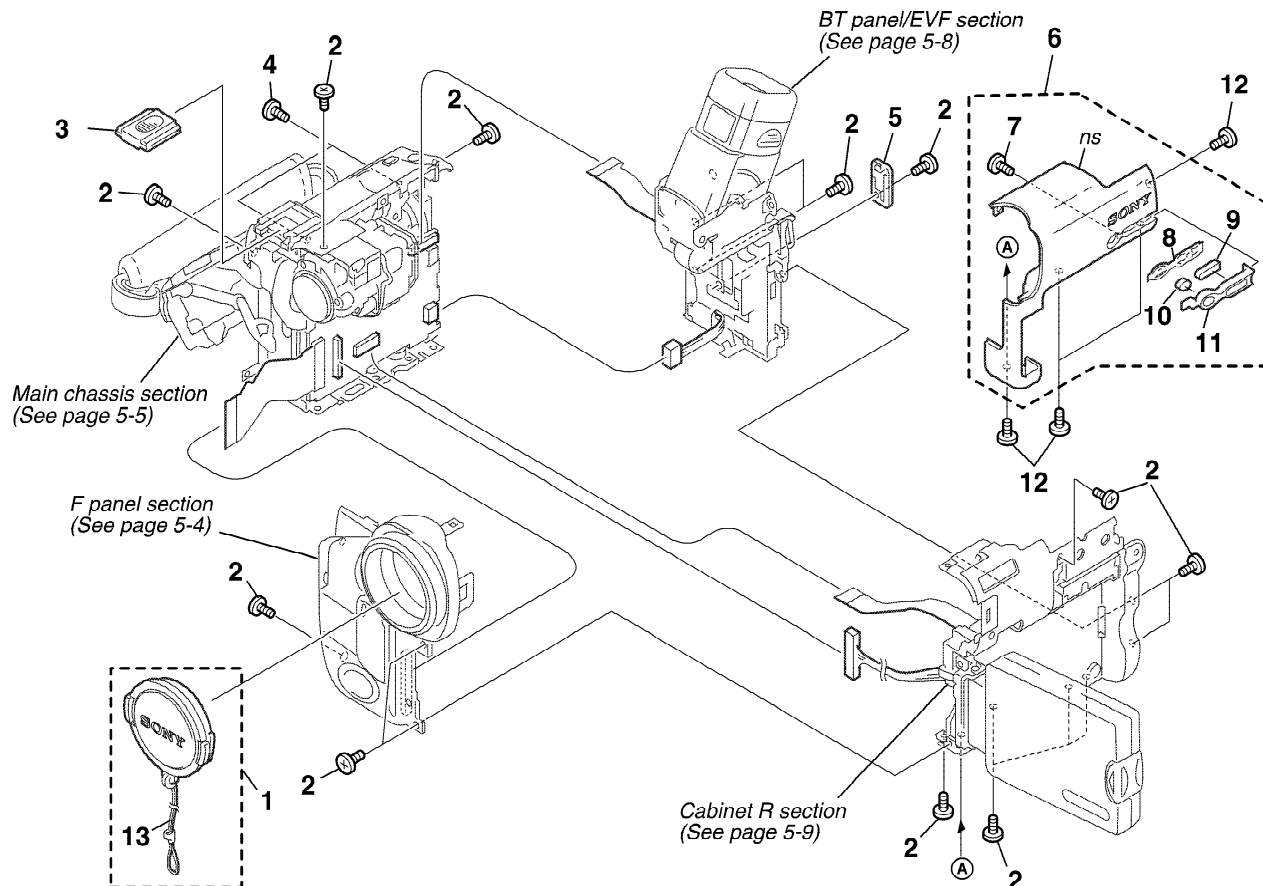


## 5. REPAIR PARTS LIST

## 5-1. EXPLODED VIEWS

## 5-1-1. OVERALL SECTION

ns : not supplied



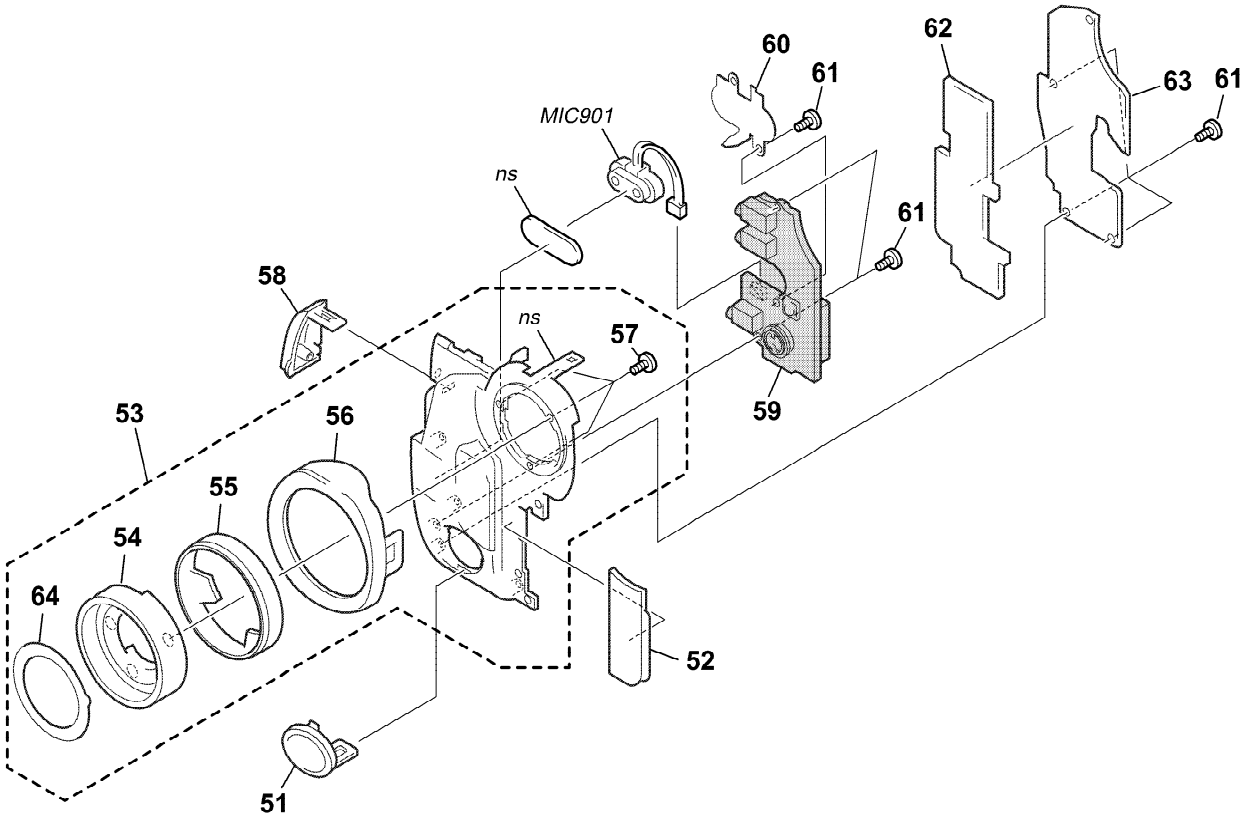
| Ref. No. | Part No.     | Description                |
|----------|--------------|----------------------------|
| 1        | X-3952-449-1 | CAP ASSY, LENS             |
| 2        | 3-989-735-81 | SCREW (M1.7), LOCK ACE, P2 |
| 3        | 3-080-571-01 | COVER, SHOE                |
| 4        | 3-056-030-81 | SCREW (M1.7), LOCK ACE, P2 |
| 5        | 3-080-570-01 | LID, CPC                   |
| 6        | X-3954-385-1 | COVER ASSY, CABINET (R)    |

| Ref. No. | Part No.     | Description                |
|----------|--------------|----------------------------|
| 7        | 3-080-204-01 | SCREW (M1.7), TAPPING, +P2 |
| 8        | 3-090-898-01 | SHEET, CF                  |
| 9        | 3-090-897-01 | CF BUTTON (R)              |
| 10       | 3-090-896-01 | CF BUTTON (L)              |
| 11       | 3-090-894-01 | COVER, CF                  |
| 12       | 3-989-735-71 | SCREW (M1.7), LOCK ACE, P2 |
| 13       | 3-979-194-12 | STRING, CAP                |

5. REPAIR PARTS LIST

5-1-2. F PANEL SECTION

ns : not supplied



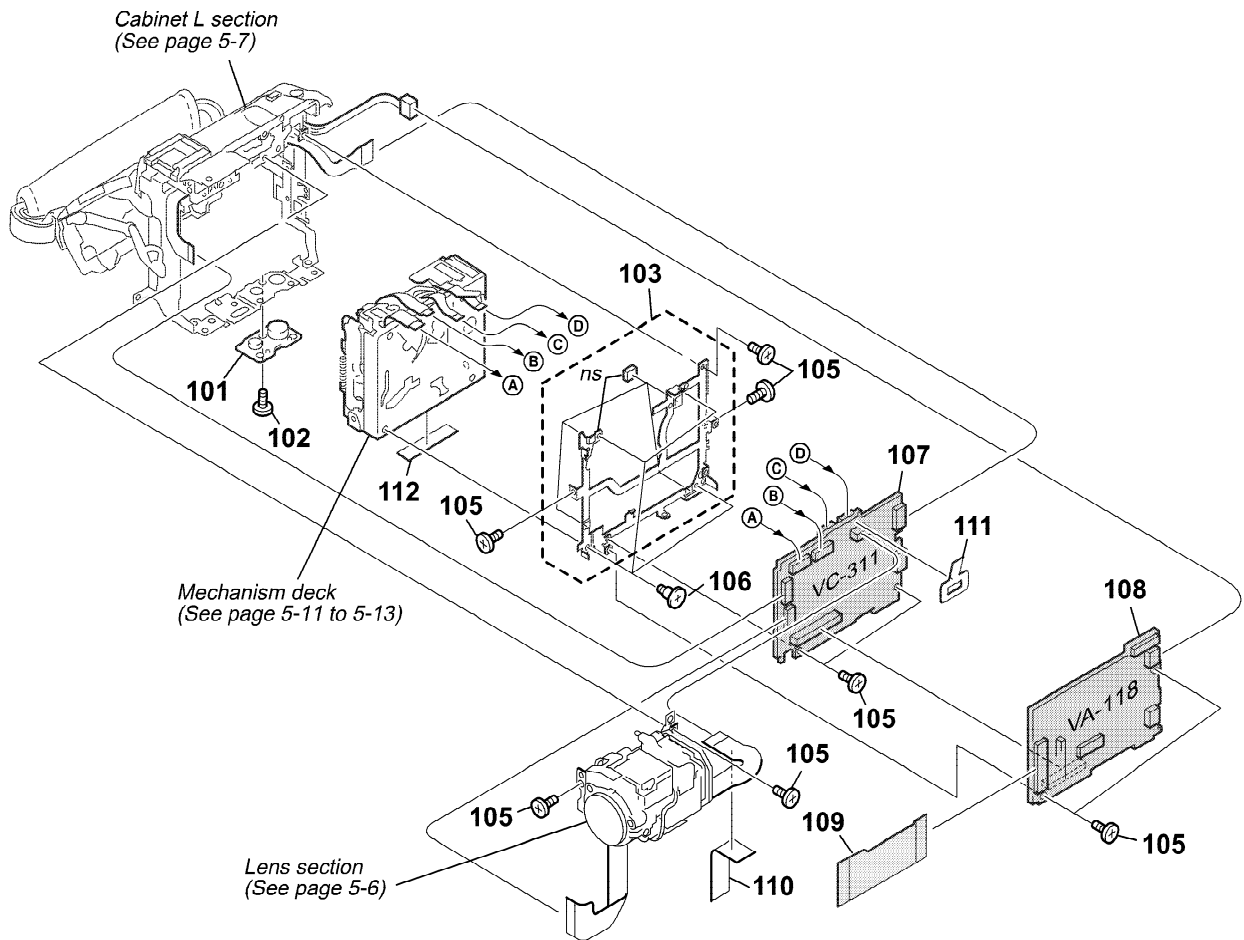
| Ref. No. | Part No.     | Description               |
|----------|--------------|---------------------------|
| 51       | 3-080-516-01 | COVER, S TERMINAL         |
| 52       | 3-089-195-01 | PLATE, NAME (619) (HC15)  |
| 52       | 3-089-195-11 | PLATE, NAME (619) (HC15E) |
| 52       | 3-089-195-21 | PLATE, NAME (619) (HC14E) |
| 53       | X-3954-386-1 | PANEL ASSY, FRONT         |
| 54       | 3-090-892-01 | SCREW                     |
| 55       | 3-090-891-01 | RING (N), ORNAMENTAL      |
| 56       | 3-090-900-01 | PLATE (619), ORNAMENTAL   |
| 57       | 3-080-222-31 | SCREW(M1.7), TAPPING, P2  |

| Ref. No. | Part No.     | Description                         |
|----------|--------------|-------------------------------------|
| 58       | 3-080-573-01 | COVER (F), JACK                     |
| 59       | A-7112-882-A | MA-421 BOARD, COMPLETE (HC15E)      |
| 59       | A-7112-883-A | MA-421 BOARD, COMPLETE (HC14E/HC15) |
| 60       | 3-080-517-01 | RETAINER, MICROPHONE                |
| 61       | 3-713-791-11 | SCREW (M1.7X5), TAPPING, P2         |
| 62       | 3-080-519-01 | CUSHION, MA COVER                   |
| 63       | 3-080-514-01 | COVER, MA                           |
| 64       | 3-090-899-01 | RING (619), NAME                    |
| MIC901   | 1-542-513-11 | MICROPHONE                          |

## 5. REPAIR PARTS LIST

### 5-1-3. MAIN CHASSIS SECTION

ns : not supplied

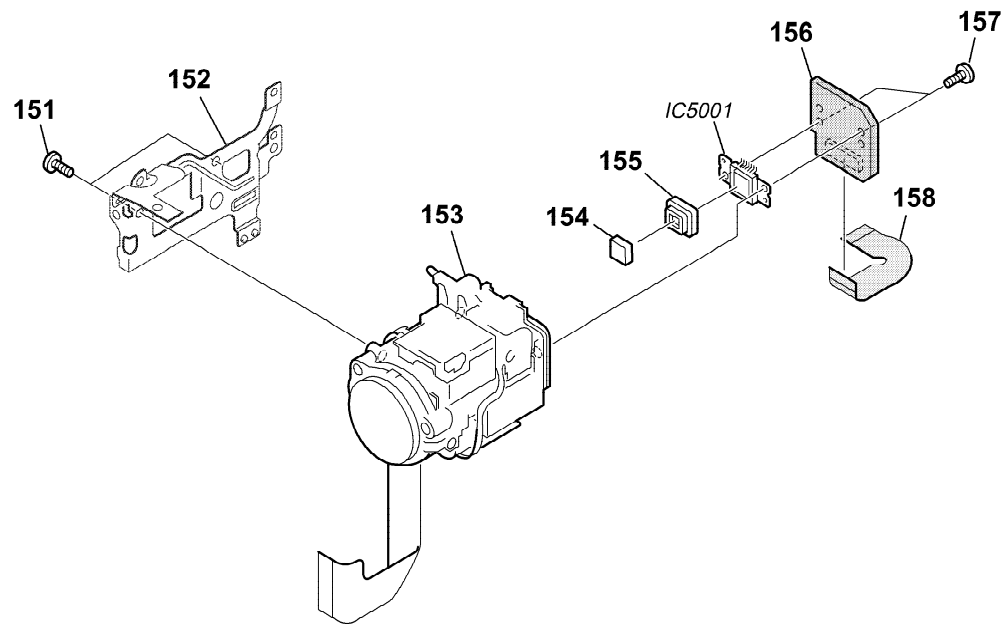


| Ref. No. | Part No.     | Description                                      |
|----------|--------------|--------------------------------------------------|
| 101      | 3-080-569-01 | SCREW                                            |
| 102      | 3-989-735-81 | SCREW (M1.7), LOCK ACE, P2                       |
| 103      | X-3953-112-1 | FRAME ASSY, MD                                   |
| 105      | 3-989-735-01 | SCREW (M1.7), LOCK ACE, P2                       |
| 106      | 3-062-214-01 | SCREW (M1.4X1.5)                                 |
| 107      | A-7079-024-A | VC-311 BOARD, COMPLETE (SERVICE)<br>(HC15/HC15E) |

| Ref. No. | Part No.     | Description                             |
|----------|--------------|-----------------------------------------|
| 107      | A-7079-025-A | VC-311 BOARD, COMPLETE (SERVICE)(HC14E) |
| 108      | A-7112-878-A | VA-118 BOARD, COMPLETE                  |
| 109      | 1-687-546-11 | FP-621 FLEXIBLE BOARD                   |
| 110      | 3-941-343-01 | TAPE (A)                                |
| 111      | 3-081-787-01 | SHEET, RF                               |
| 112      | 3-081-221-01 | LABEL (Z), LS                           |

5. REPAIR PARTS LIST

5-1-4. LENS SECTION



Be sure to read "Precautions upon replacing CCD imager" on page 4-9 when changing the CCD imager.

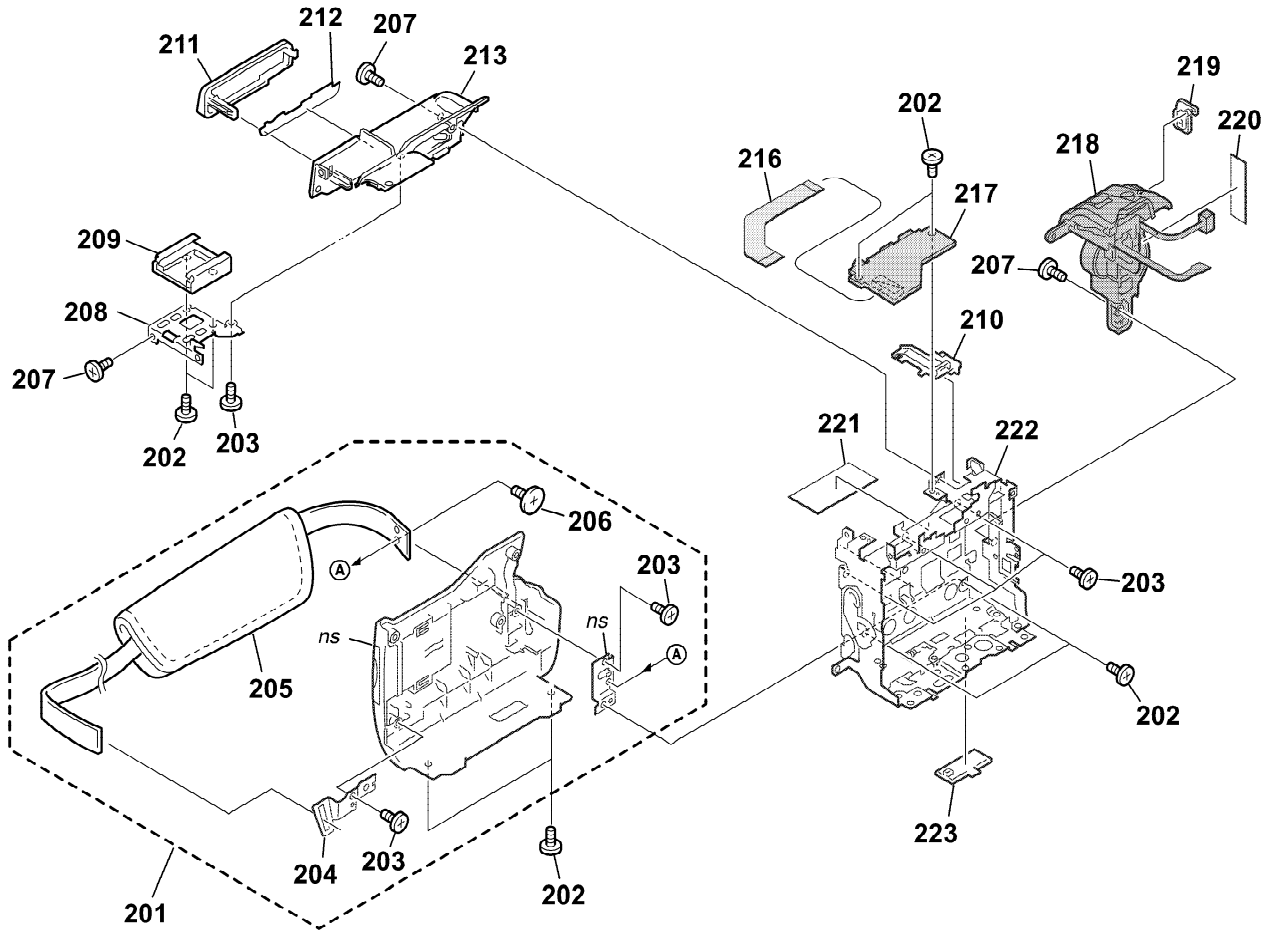
| Ref. No. | Part No.     | Description                                                                |
|----------|--------------|----------------------------------------------------------------------------|
| 151      | 3-713-791-51 | SCREW (M1.7X3.5), TAPPING, P2                                              |
| 152      | 3-080-606-01 | FRAME (39) LENS                                                            |
| 153      | 8-848-767-01 | DEVICE, LENS LSV-650E                                                      |
| 154      | 1-758-155-21 | FILTER BLOCK, OPTICAL                                                      |
| 155      | 3-053-973-01 | RUBBER (W), SEAL                                                           |
| 156      | A-7013-526-A | CD-430 BOARD, COMPLETE<br>(IC5001 is not included in this COMPLETE board.) |

| Ref. No. | Part No.     | Description                                                                                           |
|----------|--------------|-------------------------------------------------------------------------------------------------------|
| 157      | 3-713-791-11 | SCREW (M1.7X5), TAPPING, P2                                                                           |
| 158      | 1-687-547-11 | FP-623 FLEXIBLE BOARD                                                                                 |
| IC5001   | A-7031-244-A | CCD BLOCK ASSY (CCD IMAGER)(HC15)                                                                     |
| IC5001   | A-7031-276-A | CCD BLOCK ASSY (CCD IMAGER)(HC14E/HC15E)<br>(IC5001 is not included in the COMPLETE board of CD-430.) |

## 5. REPAIR PARTS LIST

### 5-1-5. CABINET L SECTION

ns : not supplied



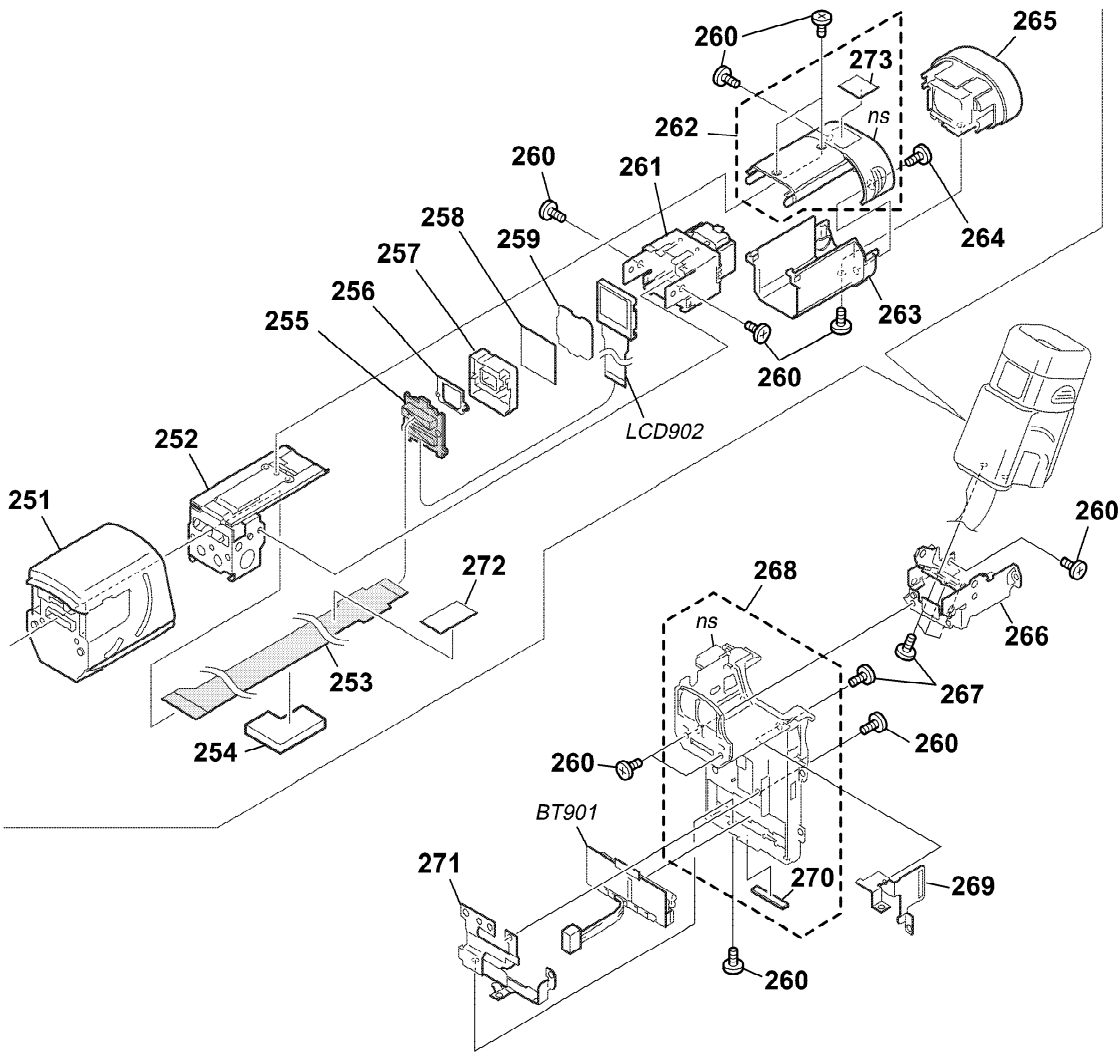
| Ref. No. | Part No.     | Description                    |
|----------|--------------|--------------------------------|
| 201      | X-3954-387-1 | CABINET (G) ASSY (HC15/HC15E)  |
| 201      | X-3954-389-1 | CABINET (G) (618) ASSY (HC14E) |
| 202      | 3-989-735-01 | SCREW (M1.7), LOCK ACE, P2     |
| 203      | 3-713-791-51 | SCREW (M1.7X3.5), TAPPING, P2  |
| 204      | 3-080-468-01 | SHEET METAL (FRONT), GRIP BELT |
| 205      | 3-080-467-01 | BELT, GRIP                     |
| 206      | 3-073-686-11 | SCREW (M2X2.5)                 |
| 207      | 3-989-735-81 | SCREW (M1.7), LOCK ACE, P2     |
| 208      | 3-080-473-01 | FRAME, SHOE                    |
| 209      | X-3950-126-1 | SHOE (97) ASSY                 |
| 210      | 3-080-472-01 | COVER, FLEXIBLE                |
| 211      | 3-080-572-01 | COVER (L), JACK                |

| Ref. No. | Part No.     | Description                       |
|----------|--------------|-----------------------------------|
| 212      | 3-080-576-21 | SHEET (L), JACK (HC15/HC15E)      |
| 212      | 3-080-576-31 | SHEET (L), JACK (HC14E)           |
| 213      | X-3953-217-1 | CABINET (L) ASSY (39E)            |
| 216      | 1-687-549-11 | FP-625 FLEXIBLE BOARD             |
| 217      | A-7112-881-A | JK-242 BOARD, COMPLETE            |
| 218      | 1-477-740-41 | SWITCH BLOCK, CONTROL (FK-CX4000) |
| 219      | 3-082-335-01 | COVER, DC-IN JACK                 |
| 220      | 3-076-631-01 | RETAINER, FK FLEXIBLE             |
| 221      | 3-081-434-01 | SHEET Z                           |
| 222      | X-3953-096-1 | FRAME ASSY, CS                    |
| 223      | 3-080-471-01 | KNOB, EJECT                       |

5. REPAIR PARTS LIST

5-1-6. BT PANEL/EVF SECTION

ns : not supplied



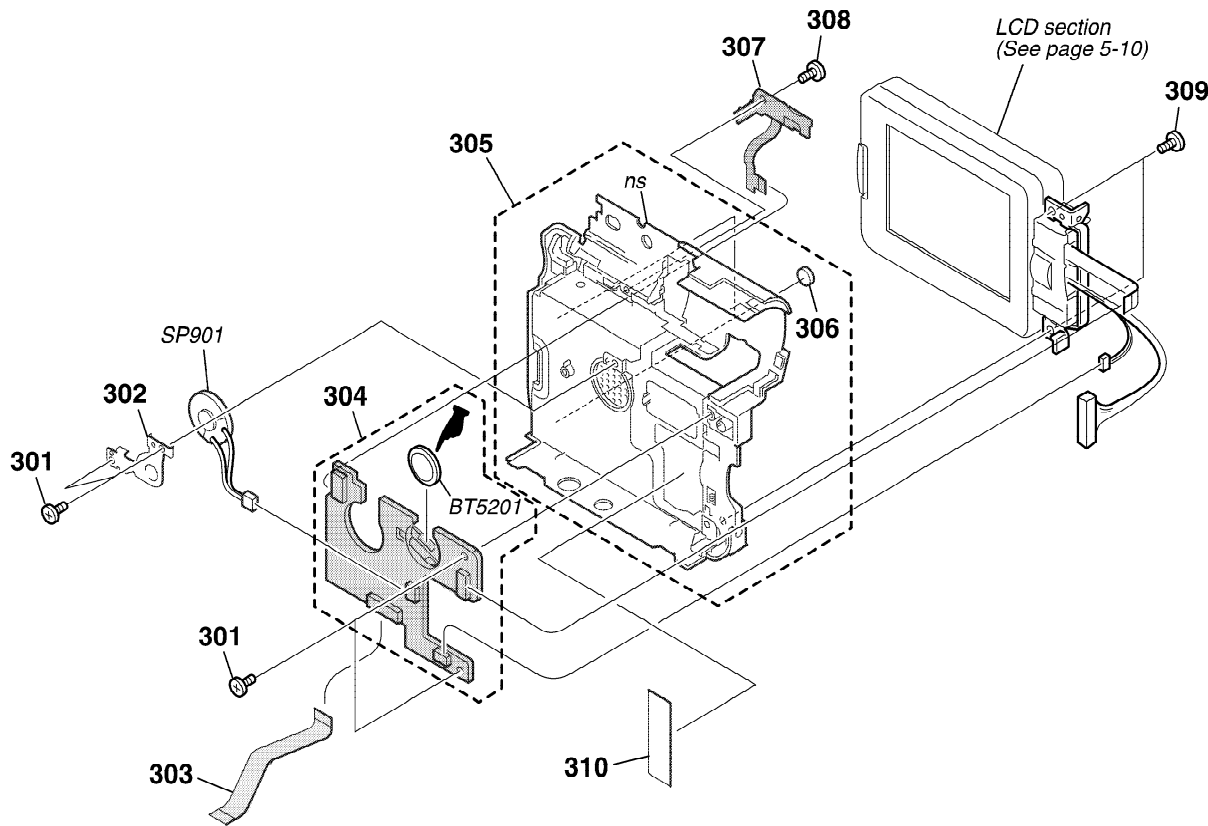
| Ref. No. | Part No.     | Description                  |
|----------|--------------|------------------------------|
| 251      | 3-080-420-51 | CABINET, VF TILT             |
| 252      | X-3953-118-1 | SLIDE ASSY, VF               |
| 253      | 1-687-544-21 | FP-619 FLEXIBLE BOARD        |
| 254      | 3-081-694-02 | RETAINER, EVF FLEXIBLE       |
| 255      | A-7112-880-A | LB-085 BOARD, COMPLETE       |
| 256      | 3-080-615-01 | CUSHION (LB) (40)            |
| 257      | 3-080-618-01 | GUIDE (40), LAMP             |
| 258      | 3-080-613-01 | ILLUMINATOR (40)             |
| 259      | 3-080-614-01 | SHEET (40), PRISM            |
| 260      | 3-989-735-01 | SCREW (M1.7), LOCK ACE, P2   |
| 261      | X-3953-119-1 | CABINET ASSY, LCD            |
| 262      | X-3954-541-1 | CABINET ASSY (619), VF SLIDE |
| 263      | 3-080-617-01 | CABINET (LOWER), VF SLIDE    |

| Ref. No. | Part No.     | Description                    |
|----------|--------------|--------------------------------|
| 264      | 3-713-791-51 | SCREW (M1.7X3.5), TAPPING, P2  |
| 265      | X-3953-115-1 | EYE CUP (40) ASSY              |
| 266      | X-3953-116-1 | HINGE ASSY, VF                 |
| 267      | 3-989-735-81 | SCREW (M1.7), LOCK ACE, P2     |
| 268      | X-3953-113-1 | PANEL ASSY, BATTERY            |
| 269      | X-3953-349-1 | SHEET METAL (UPPER) ASSY STRAP |
| 270      | 3-080-543-01 | SHEET, FOOT                    |
| 271      | X-3953-114-1 | SHEET METAL (LOWER) ASSY,STRAP |
| 272      | 3-083-290-01 | SHEET (VF)                     |
| 273      | 3-081-619-01 | LABEL, B/W (VF)                |
| BT901    | 1-694-796-11 | TERMINAL BOARD, BATTERY        |
| LCD902   | 8-753-036-71 | LCX032APA-J                    |

5. REPAIR PARTS LIST

5-1-7. CABINET R SECTION

ns : not supplied



 : BT5201 (Lithium battery) CK-129 board on the mount position. (See page 4-71)

**CAUTION :**

Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type.

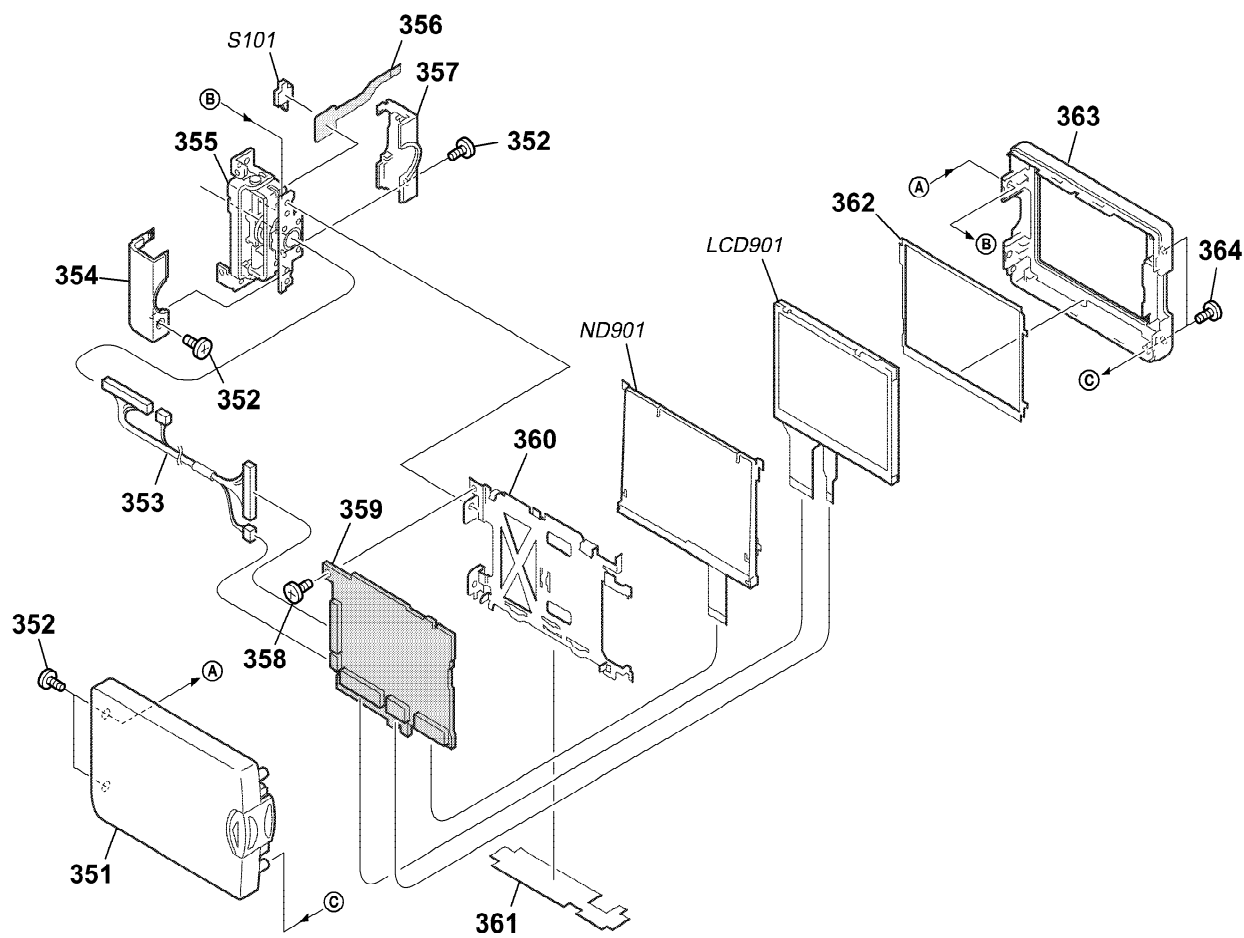
| Ref. No. | Part No.     | Description                   |
|----------|--------------|-------------------------------|
| 301      | 3-713-791-51 | SCREW (M1.7X3.5), TAPPING, P2 |
| 302      | X-3953-097-1 | RETAINER ASSY, SPEAKER        |
| 303      | 1-687-543-11 | FP-618 FLEXIBLE BOARD         |
| 304      | A-7112-879-A | CK-129 BOARD, COMPLETE        |
| 305      | X-3954-459-1 | CABINET (R) ASSY              |
| 306      | 3-959-978-02 | CUSHION, PANEL                |

| Ref. No. | Part No.     | Description                       |
|----------|--------------|-----------------------------------|
| 307      | 1-477-741-11 | SWITCH BLOCK, CONTROL (CF-CX4000) |
| 308      | 3-989-735-01 | SCREW (M1.7), LOCK ACE, P2        |
| 309      | 3-713-791-11 | SCREW (M1.7X5), TAPPING, P2       |
| 310      | 3-941-343-01 | TAPE (A)                          |
| △ BT5201 | 1-756-128-11 | BATTERY, LITHIUM (SECONDARY)      |
| SP901    | 1-825-260-21 | LOUD SPEAKER (1.6CM)              |

**Note :** The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.

5. REPAIR PARTS LIST

5-1-8. LCD SECTION



| Ref. No. | Part No.     | Description                |
|----------|--------------|----------------------------|
| 351      | X-3954-388-1 | CABINET (C) ASSY, P        |
| 352      | 3-989-735-81 | SCREW (M1.7), LOCK ACE, P2 |
| 353      | 1-962-081-11 | HARNESS (PV-140)           |
| 354      | 3-080-387-51 | COVER (C) (40), HINGE      |
| 355      | X-3953-107-1 | HINGE (40) ASSY            |
| 356      | 1-687-550-11 | FP-626 FLEXIBLE BOARD      |
| 357      | 3-080-496-01 | COVER (M) (40), HINGE      |
| 358      | 3-989-735-01 | SCREW (M1.7), LOCK ACE, P2 |
| 359      | A-7013-528-A | PD-188 BOARD, COMPLETE     |

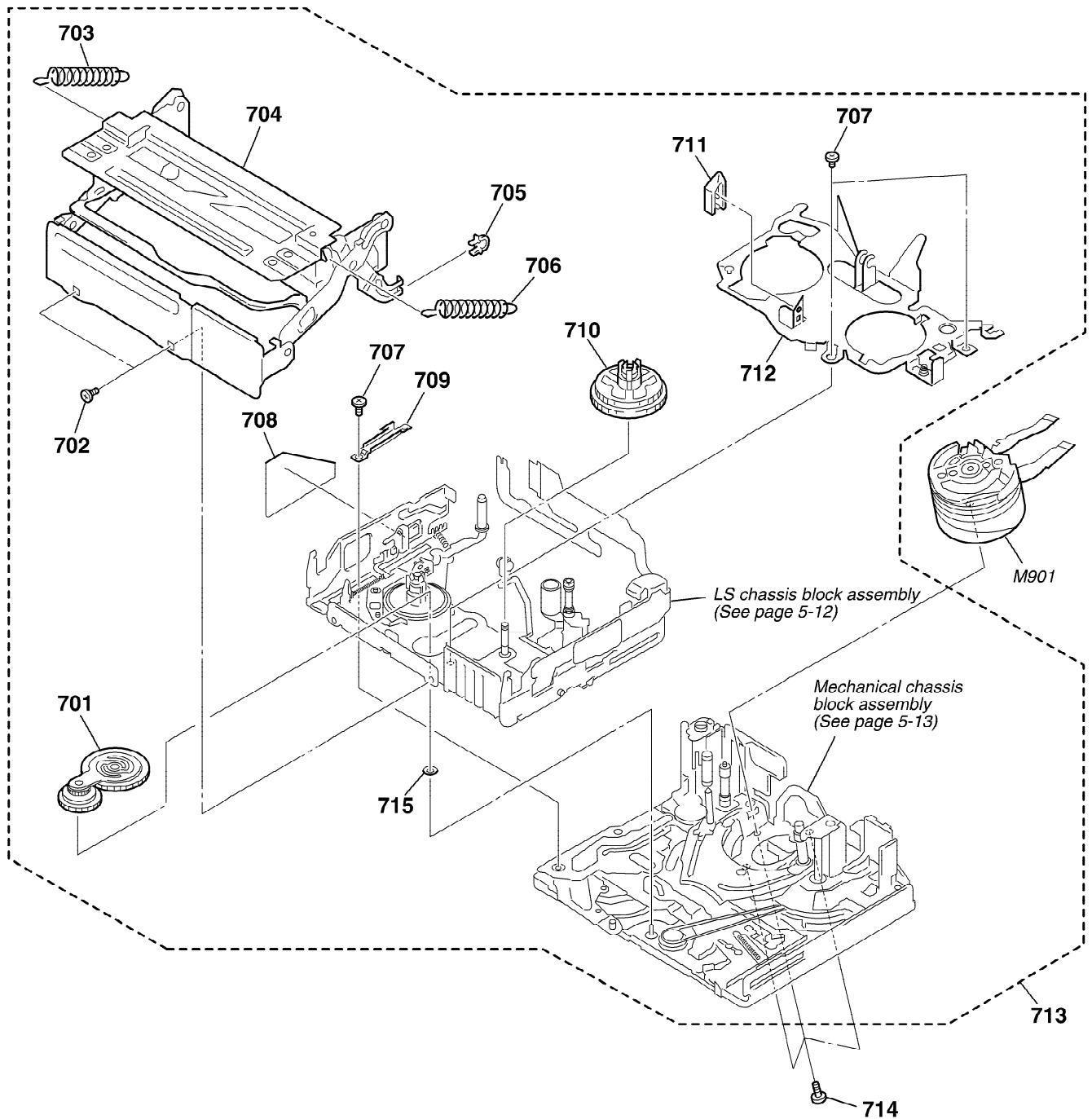
| Ref. No. | Part No.     | Description                   |
|----------|--------------|-------------------------------|
| 360      | 3-080-498-01 | FRAME (40), PANEL             |
| 361      | 3-080-499-01 | SHEET (40), INSULATING, LCD   |
| 362      | 3-080-497-01 | CUSHION (T), LCD              |
| 363      | X-3953-106-1 | CABINET (M) (40) ASSY, P      |
| 364      | 3-713-791-11 | SCREW (M1.7X5), TAPPING, P2   |
| LCD901   | 8-753-052-10 | ACX307AKM-J                   |
| △ND901   | 1-477-755-11 | BLOCK LIGHT GUIDE PLATE (2.5) |
| S101     | 1-771-039-31 | SWITCH, PUSH (PANEL REVERSE)  |

**Note :** The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.



## 5. REPAIR PARTS LIST

### 5-1-9. OVERALL (MECHANISM DECK-Z100)



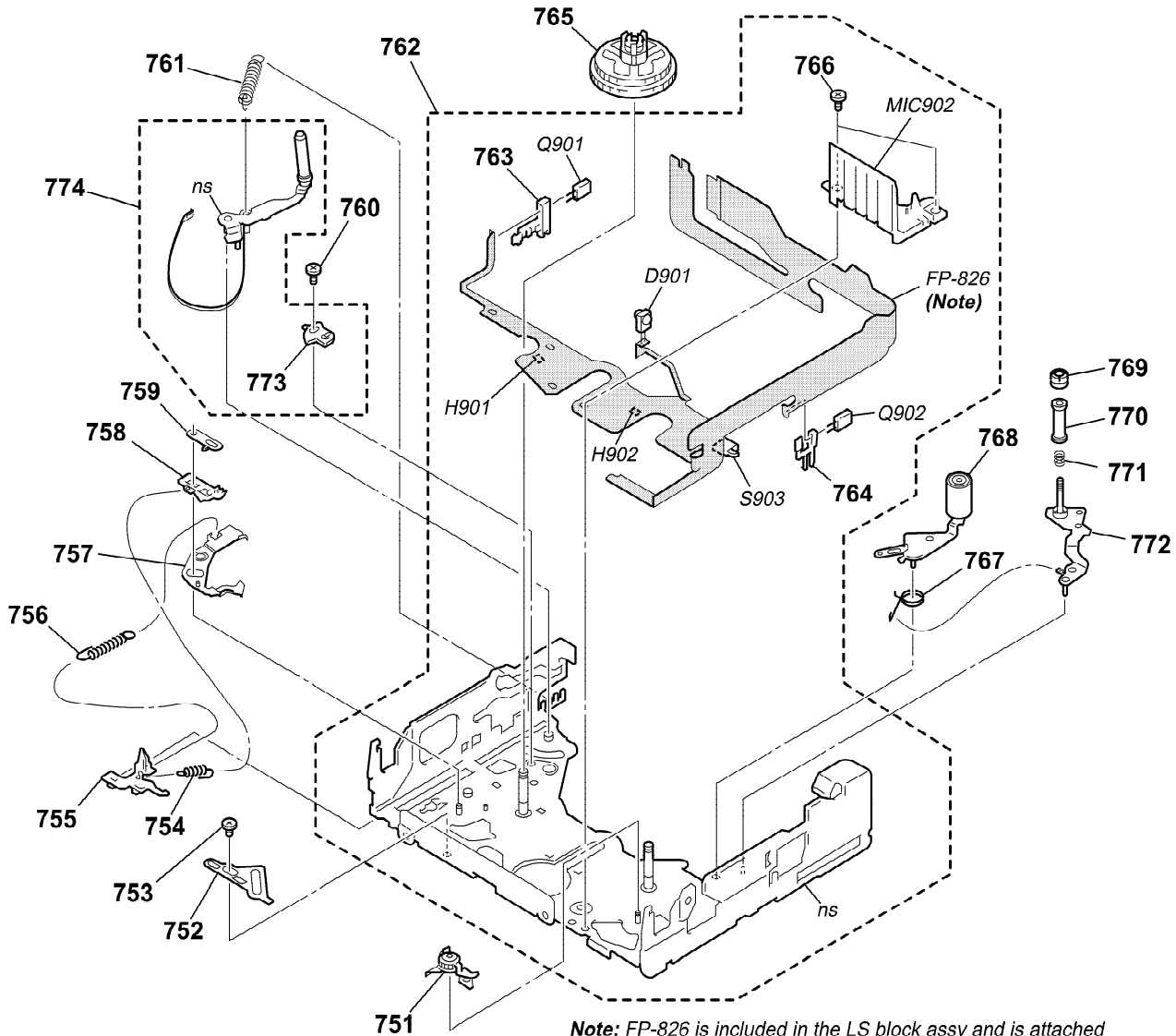
| Ref. No. | Part No.     | Description                    |
|----------|--------------|--------------------------------|
| 701      | X-3952-938-3 | GEAR ASSY, GOOSENECK           |
| 702      | 3-075-097-11 | SCREW (M1.4X1.4), SPECIAL HEAD |
| 703      | 3-079-206-02 | SPRING (POP UP S), EXTENSION   |
| 704      | X-3952-939-3 | COMPARTMENT ASSY, CASSETTE     |
| 705      | 3-079-367-01 | DAMPER, CASSETTE COMPARTMENT   |
| 706      | 3-079-215-02 | SPRING (POP UP T), EXTENSION   |
| 707      | 3-085-330-01 | SCREW, SPECIAL                 |
| 708      | 3-080-545-01 | COVER, SENSOR S                |

| Ref. No. | Part No.     | Description          |
|----------|--------------|----------------------|
| 709      | 3-079-364-01 | RETAINER, LS GUIDE   |
| 710      | X-3952-937-1 | TABLE ASSY, T REEL   |
| 711      | 3-079-366-01 | RELEASE, REEL LOCK   |
| 712      | X-3953-257-1 | PLATE ASSY, RETAINER |
| 713      | A-7095-393-A | MD (Z100) SUB ASSY   |
| 714      | 3-079-741-02 | SCREW, DRUM FIXING   |
| 715      | 3-748-682-01 | WASHER, T            |
| M901     | A-7048-981-A | DRUM (DEH-30A-R)     |

## 5. REPAIR PARTS LIST

## 5-1-10. LS CHASSIS BLOCK ASSEMBLY

ns : not supplied



**Note:** FP-826 is included in the LS block assy and is attached to chassis by hot-press.  
Because installation of FP-826 requires a very high accuracy, FP-826 is not supplied as an independent service parts.

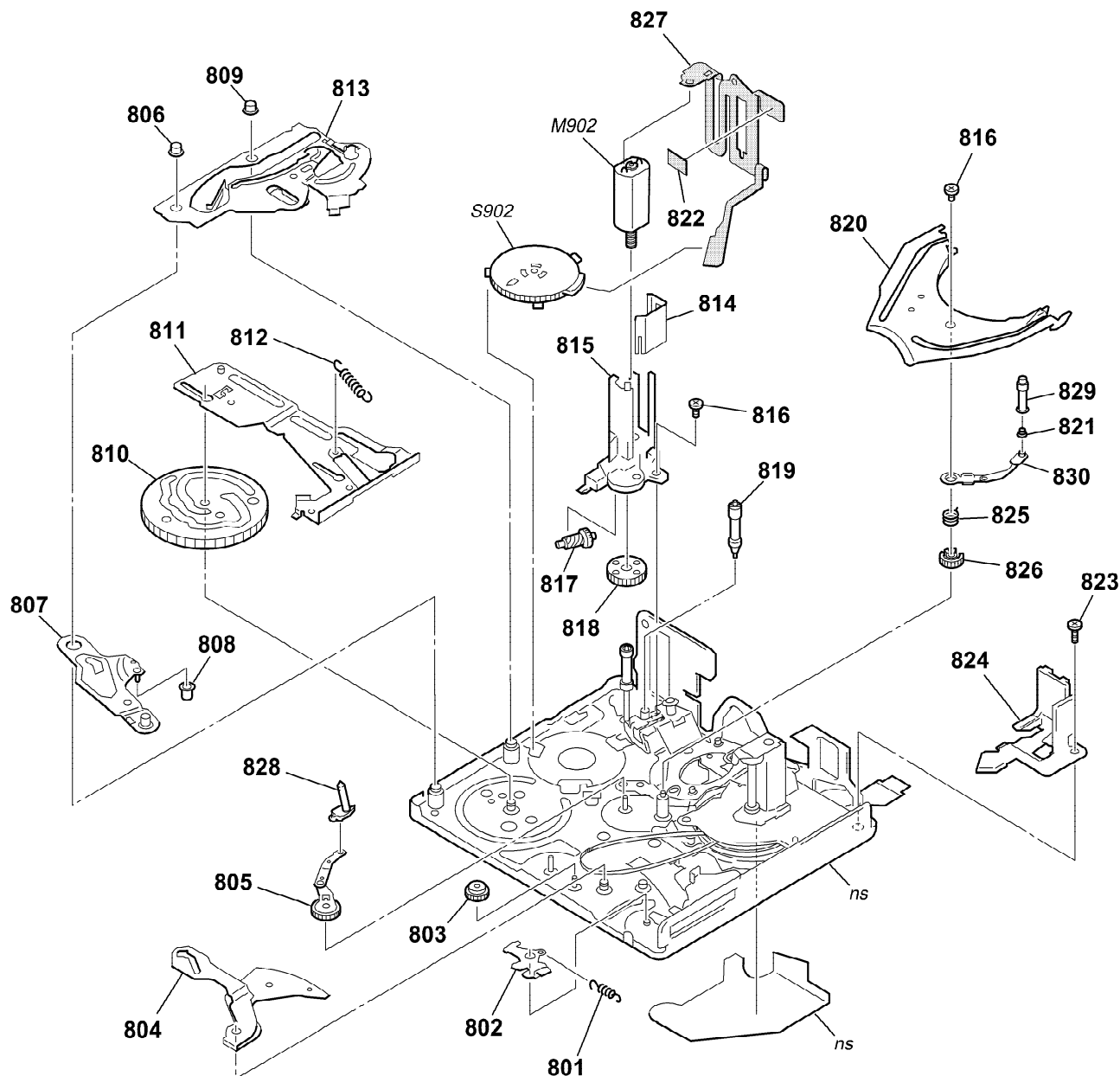
| Ref. No. | Part No.     | Description                         |
|----------|--------------|-------------------------------------|
| 751      | A-7095-402-B | BRAKE (T) BLOCK ASSY                |
| 752      | 3-079-241-01 | PLATE, LS CAM                       |
| 753      | 3-075-097-11 | SCREW (M1.4X1.4), SPECIAL HEAD      |
| 754      | 3-079-246-01 | SPRING(RELEASE RACK),EXTENSION      |
| 755      | 3-079-248-01 | POSITIONING(S), CASSETTE            |
| 756      | 3-079-244-01 | SPRING (ULE), EXTENSION             |
| 757      | X-3952-932-2 | BRAKE ASSY, ULE                     |
| 758      | 3-079-245-01 | RACK (S), RELEASE                   |
| 759      | 3-079-247-01 | BRAKE (S)                           |
| 760      | 3-059-090-11 | SCREW (M1.4X2.5), SPECIAL HEAD      |
| 761      | 3-079-242-01 | SPRING, TENSION (TENSION REGULATOR) |
| 762      | A-7095-401-A | LS BLOCK ASSY                       |
| 763      | 3-079-267-01 | HOLDER (S), SENSOR                  |
| 764      | 3-079-268-01 | HOLDER (T), SENSOR                  |
| 765      | X-3952-936-2 | TABLE ASSY, S REEL                  |
| 766      | 3-085-330-01 | SCREW, SPECIAL                      |

| Ref. No. | Part No.     | Description                            |
|----------|--------------|----------------------------------------|
| 767      | 3-079-243-02 | SPRING (PINCH RETURN), TORSION         |
| 768      | X-3952-934-1 | ARM ASSY, PINCH                        |
| 769      | 3-052-062-02 | NUT, TG7                               |
| 770      | 3-079-219-02 | TG7                                    |
| 771      | 3-081-591-01 | SPRING, COMPRESSION (TG7)              |
| 772      | X-3952-935-3 | ARM ASSY, TG7                          |
| 773      | 3-079-237-01 | ADJUSTOR, BAND                         |
| 774      | A-7095-403-B | TG2 ARM BLOCK ASSY                     |
| D901     | 6-500-652-01 | DIODE GL453SE000F (TAPE LED)           |
| H901     | 8-719-067-74 | ELEMENT, HOLE HW-105A-CDE-T (S REEL)   |
| H902     | 8-719-067-74 | ELEMENT, HOLE HW-105A-CDE-T (T REEL)   |
| MIC902   | 1-817-175-12 | PIN, CONNECTOR (WITH DETECTION SWITCH) |
| Q901     | 6-550-672-01 | TRANSISTOR PT4850FJE00F (TAPE END)     |
| Q902     | 6-550-672-01 | TRANSISTOR PT4850FJE00F (TAPE TOP)     |
| S903     | 1-529-566-51 | SWITCH, PUSH (1 KEY) (C.C.DOWN)        |

## 5. REPAIR PARTS LIST

## 5-1-11. MECHANICAL CHASSIS BLOCK ASSEMBLY

ns : not supplied



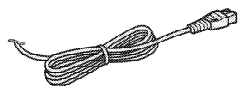
| Ref. No. | Part No.     | Description               |
|----------|--------------|---------------------------|
| 801      | 3-079-314-01 | SPRING (EJ), EXTENSION    |
| 802      | 3-079-327-01 | ARM, EJ                   |
| 803      | 3-079-323-01 | GEAR, CONVERSION          |
| 804      | 3-079-324-01 | ARM, GL DRIVING           |
| 805      | X-3952-928-1 | GL (S) ASSY               |
| 806      | 3-079-315-01 | ROLLER (S1), LS GUIDE     |
| 807      | X-3952-925-1 | ARM ASSY, LS              |
| 808      | 3-079-320-01 | ROLLER, LS                |
| 809      | 3-079-316-01 | ROLLER (S2), LS GUIDE     |
| 810      | 3-079-319-01 | GEAR, CAM                 |
| 811      | X-3952-941-1 | SLIDER ASSY, M            |
| 812      | 3-079-321-02 | SPRING (PINCH), EXTENSION |
| 813      | X-3952-940-2 | PLATE ASSY, TG2 CAM       |
| 814      | 3-079-312-01 | SHIELD, MOTOR             |
| 815      | 3-079-307-02 | HOLDER, MOTOR             |
| 816      | 3-085-330-01 | SCREW, SPECIAL            |

| Ref. No. | Part No.     | Description                        |
|----------|--------------|------------------------------------|
| 817      | 3-079-308-01 | SHAFT, WORM                        |
| 818      | 3-079-309-01 | GEAR, DECELERATION                 |
| 819      | X-3952-942-2 | ROLLER ASSY, TG3                   |
| 820      | 3-079-325-01 | RAIL, GUIDE                        |
| 821      | 3-079-295-02 | SPRING, TG5                        |
| 822      | 1-677-049-11 | FP-228 FLEXIBLE BOARD (DEW SENSOR) |
| 823      | 3-079-328-01 | SCREW (M1.4), SPECIAL HEAD         |
| 824      | 3-079-326-02 | SUPPORT, TG7                       |
| 825      | 3-079-301-01 | SPRING (GLT), TORSION              |
| 826      | 3-079-298-01 | GEAR (T), GL                       |
| 827      | 1-686-798-11 | FP-467 FLEXIBLE BOARD              |
| 828      | X-3952-927-2 | COASTER (S) ASSY                   |
| 829      | X-3952-930-3 | ROLLER ASSY, TG5                   |
| 830      | X-3952-929-1 | COASTER (T) ASSY                   |
| M902     | A-7095-396-A | MOTOR BLOCK ASSY, L (LOADING)      |
| S902     | 1-477-679-11 | ROTARY, ENCODER (MODE SWITCH)      |

## 5. REPAIR PARTS LIST

## Checking supplied accessories.

Make sure that the following accessories are supplied with your camcorder.



Power cord (Main lead)(1)  
(AUS model)

△ 1-696-819-21

Power cord (Main lead)(1)  
(AEP, EE, NE,  
E:EXCEPT Saudi Arabia  
model)

△ 1-769-608-11

Power cord (Main lead)(1)  
(CH model)

△ 1-782-476-13

Power cord (Main lead)(1)  
(UK, HK, E: Saudi Arabia  
model)

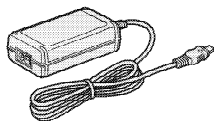
△ 1-783-374-11

Power cord (Main lead)(1)  
(AR model)

△ 1-783-952-21

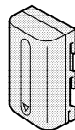
Power cord (Main lead)(1)  
(KR model)

△ 1-776-985-11



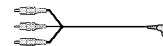
AC power adaptor (1)  
(AC-L15A/L15B)

△ 1-477-533-51



NP-FM30 battery pack (1)

△ A-7096-388-B



A/V connecting cable  
(1.5m) (1)

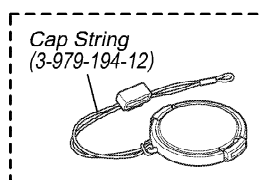
1-824-097-11



Wireless Remote Commander (1)  
(RMT-814)

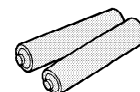
1-475-141-61

(HC15E model)



Lens cap (1)

X-3952-449-1

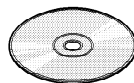


R6 (size AA) batteries  
for the Remote  
Commander (2)  
(not supplied)



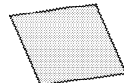
21-pin adaptor (1)  
(AEP, UK, EE, NE model)

1-770-783-21



CD-ROM  
(Pilote USB SPVD-012) (1)

3-087-821-01



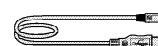
Cleaning cloth (1)

3-073-861-01



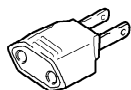
Shoe cover (1)

3-080-571-01



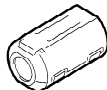
USB cable (1)

1-824-382-21



2-pin conversion adaptor (1)  
(E, HK model)

1-569-008-12



Clamp filter (Ferrite core)  
(for AC-L15A/L15B)

1-469-241-11

(KR model)

• Abbreviation

EE : East European model  
NE : North European model  
HK : Hong Kong model  
AUS : Australian model

CH : Chinese model  
KR : Korea model  
AR : Argentina model

Other accessories

3-087-936-11 MANUAL (PC), INSTRUCTION (ENGLISH)  
(HC14E:AEP, UK/HC15E:E, HK, AUS)

3-087-936-21 MANUAL (PC), INSTRUCTION (FRENCH)  
(HC14E:AEP/HC15E:E)

3-087-936-31 MANUAL (PC), INSTRUCTION (FRENCH)(HC14E:AEP)

3-087-936-41 MANUAL (PC), INSTRUCTION (SPANISH/PORTUGUESE)  
(HC14E:AEP/HC15E:E, AR)

3-087-936-51 MANUAL (PC), INSTRUCTION (ITALIAN/GREEK)  
(HC14E:AEP)

3-087-936-61 MANUAL (PC), INSTRUCTION (SWEDISH/RUSSIAN)  
(HC14E:NE/HC15E:E)

3-087-936-71 MANUAL (PC), INSTRUCTION (DANISH/FINNISH)  
(HC14E:NE)

3-087-936-81 MANUAL (PC), INSTRUCTION (POLISH/CZECH)  
(HC14E:EE)

3-087-936-91 MANUAL (PC), INSTRUCTION (HUNGARIAN/SLOVAK)  
(HC14E:EE)

3-087-937-11 MANUAL (PC), INSTRUCTION (ARABIC/PERSIAN)  
(HC15E:E)

3-087-937-21 MANUAL (PC), INSTRUCTION (TRADITIONAL CHINESE)  
(HC15E:E/HC15E:HK)

3-087-937-31 MANUAL (PC), INSTRUCTION (SIMPLIFIED CHINESE)  
(HC15E:E, CH)

3-087-937-41 MANUAL (PC), INSTRUCTION (KOREAN)(HC15:KR)

3-089-848-11 MANUAL, INSTRUCTION (ENGLISH)(HC15:E)

3-089-848-21 MANUAL, INSTRUCTION (SPANISH/PORTUGUESE)  
(HC15:E, AR)

3-089-848-31 MANUAL, INSTRUCTION (TRADITIONAL CHINESE)  
(HC15:E)

3-089-848-41 MANUAL, INSTRUCTION (KOREAN)(HC15:KR)

3-089-850-11 MANUAL, INSTRUCTION (ENGLISH/FRENCH)  
(HC14E:AEP, UK/HC15E:E, HK, AUS)

3-089-850-21 MANUAL, INSTRUCTION (SPANISH/PORTUGUESE)  
(HC14E:AEP/HC15E:E)

3-089-850-31 MANUAL, INSTRUCTION (ITALIAN/GREEK)(HC14E:AEP)

3-089-850-41 MANUAL, INSTRUCTION (GERMAN/DUTCH)(HC14E:AEP)

3-089-850-51 MANUAL, INSTRUCTION (SWEDISH/RUSSIAN)  
(HC14E:NE/HC15E:E)

3-089-850-61 MANUAL, INSTRUCTION (DANISH/FINNISH)(HC14E:NE)

3-089-850-71 MANUAL, INSTRUCTION (ARABIC/PERSIAN)(HC15E:E)

3-089-850-81 MANUAL, INSTRUCTION (TRADITIONAL CHINESE)

(HC15E:HK)

3-089-850-91 MANUAL, INSTRUCTION (SIMPLIFIED CHINESE)

(HC15E:E, CH)

3-089-851-11 MANUAL, INSTRUCTION (POLISH/CZECH)(HC14E:EE)

3-089-851-21 MANUAL, INSTRUCTION (SLOVAK/HUNGARIAN)

(HC14E:EE)

**Note :** The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

CD-430

CK-129

FP-626

JK-242

LB-085

**5-2. ELECTRICAL PARTS LIST**

| Ref. No. | Part No.     | Description                                                                                           |
|----------|--------------|-------------------------------------------------------------------------------------------------------|
|          | A-7013-526-A | CD-430 BOARD, COMPLETE<br>*****<br>(IC5001 is not included in this COMPLETE board.)                   |
|          |              | < CAPACITOR >                                                                                         |
| C5001    | 1-104-851-11 | TANTAL. CHIP 10uF 20% 10V                                                                             |
| C5002    | 1-162-915-11 | CERAMIC CHIP 10PF 0.5PF 50V                                                                           |
| C5003    | 1-107-726-91 | CERAMIC CHIP 0.01uF 10% 16V                                                                           |
| C5004    | 1-113-987-11 | TANTAL. CHIP 4.7uF 20% 25V                                                                            |
|          |              | < CONNECTOR >                                                                                         |
| CN5001   | 1-691-352-21 | CONNECTOR, FFC/FPC (ZIF) 14P                                                                          |
|          |              | < IC >                                                                                                |
| IC5001   | A-7031-244-A | CCD BLOCK ASSY (CCD IMAGER)(HC15)                                                                     |
| IC5001   | A-7031-276-A | CCD BLOCK ASSY (CCD IMAGER)(HC14E/HC15E)<br>(IC5001 is not included in the COMPLETE board of CD-430.) |
|          |              | < COIL >                                                                                              |
| L5001    | 1-414-406-11 | INDUCTOR 220uH                                                                                        |
|          |              | < TRANSISTOR >                                                                                        |
| Q5001    | 8-729-117-73 | TRANSISTOR 2SC4178-F14                                                                                |
|          |              | < RESISTOR >                                                                                          |
| R5001    | 1-216-827-11 | METAL CHIP 3.3K 5% 1/10W                                                                              |
|          | A-7112-879-A | CK-129 BOARD, COMPLETE<br>*****                                                                       |
|          |              | < BATTERY >                                                                                           |
| △BT5201  | 1-756-128-11 | BATTERY, LITHIUM (SECONDARY)                                                                          |
|          |              | < CONNECTOR >                                                                                         |
| CN5205   | 1-778-506-21 | PIN, CONNECTOR (PC BOARD) 2P                                                                          |
| CN5207   | 1-766-866-21 | CONNECTOR, FFC/FPC 6P                                                                                 |
| CN5208   | 1-691-354-21 | CONNECTOR, FFC/FPC (ZIF) 16P                                                                          |
| CN5209   | 1-766-336-21 | CONNECTOR, FFC/FPC 6P                                                                                 |
| CN5210   | 1-794-376-21 | PIN, CONNECTOR 4P                                                                                     |
|          |              | < DIODE >                                                                                             |
| D5209    | 8-719-978-33 | DIODE DTZ-TT11-6.8B                                                                                   |
|          |              | < RESISTOR >                                                                                          |
| R5201    | 1-218-953-11 | RES-CHIP 1K 5% 1/16W                                                                                  |
| R5223    | 1-220-174-11 | RES-CHIP 200 5% 1/16W                                                                                 |
| R5224    | 1-218-935-11 | RES-CHIP 33 5% 1/16W                                                                                  |
|          |              | < SWITCH >                                                                                            |
| S5203    | 1-771-138-82 | SWITCH, KEY BOARD (RESET)                                                                             |
| S5207    | 1-762-805-21 | SWITCH, PUSH (1 KEY) (PANEL_XCLOSE/OPEN)                                                              |

| Ref. No. | Part No.     | Description                                                                      |
|----------|--------------|----------------------------------------------------------------------------------|
|          | 1-687-550-11 | FP-626 FLEXIBLE BOARD<br>*****<br>(S101 is not included in this FLEXIBLE BOARD.) |
|          |              | < SWITCH >                                                                       |
| S101     | 1-771-039-31 | SWITCH, PUSH (PANEL REVERSE)<br>(S101 is not included in this FLEXIBLE BOARD.)   |
|          | A-7112-881-A | JK-242 BOARD, COMPLETE<br>*****                                                  |
|          |              | < CONNECTOR >                                                                    |
| CN5301   | 1-794-962-11 | CONNECTOR, SQUARE TYPE (USB 5P)(USB)                                             |
| CN5302   | 1-794-276-11 | CONNECTOR, SQUARE TYPE 4P (DV)                                                   |
| CN5303   | 1-691-380-21 | CONNECTOR, FFC/FPC 16P                                                           |
|          |              | < DIODE >                                                                        |
| D5302    | 8-719-062-16 | DIODE 01ZA8.2 (TPL3)                                                             |
| D5304    | 8-719-078-02 | DIODE 1SS357 (T3SONY1)                                                           |
| D5306    | 6-500-898-01 | DIODE DF3A3.3FE (TL3SONYF)                                                       |
|          |              | < FERRITE BEAD >                                                                 |
| FB5301   | 1-500-444-11 | FERRITE, EMI (SMD) (1608)                                                        |
| FB5302   | 1-500-444-11 | FERRITE, EMI (SMD) (1608)                                                        |
|          |              | < JACK >                                                                         |
| J5301    | 1-778-040-11 | JACK, SMALL TYPE (AUDIO/VIDEO OUT)                                               |
|          |              | < LINE FILTER >                                                                  |
| LF5301   | 1-419-983-31 | COIL, CHOKER, COMMON MODE                                                        |
|          |              | < RESISTOR >                                                                     |
| R5304    | 1-218-977-11 | RES-CHIP 100K 5% 1/16W                                                           |
| R5305    | 1-218-979-11 | RES-CHIP 150K 5% 1/16W                                                           |
| R5306    | 1-216-864-11 | SHORT CHIP 0                                                                     |
|          |              | < VARISTOR >                                                                     |
| VD5302   | 1-803-974-21 | VARISTOR, CHIP (1608)                                                            |
| VD5303   | 1-803-974-21 | VARISTOR, CHIP (1608)                                                            |
|          | A-7112-880-A | LB-085 BOARD, COMPLETE<br>*****                                                  |
|          |              | < CAPACITOR >                                                                    |
| C5601    | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V                                                       |
| C5602    | 1-164-505-11 | CERAMIC CHIP 2.2uF 16V                                                           |
|          |              | < CONNECTOR >                                                                    |
| CN5601   | 1-779-334-11 | CONNECTOR, FFC/FPC 20P                                                           |
| CN5602   | 1-691-354-21 | CONNECTOR, FFC/FPC (ZIF) 16P                                                     |
|          |              | < DIODE >                                                                        |
| D5602    | 6-500-374-01 | DIODE NSCW455T-TC8                                                               |

**CAUTION :**

Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type.

**Note :** The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.

DCR-HC14E/HC15/HC15E

LB-085

MA-421

| Ref. No.                                         | Part No.     | Description                         |
|--------------------------------------------------|--------------|-------------------------------------|
| < IC >                                           |              |                                     |
| IC5601                                           | 8-759-581-11 | IC NJM2125F (TE2)                   |
| < TRANSISTOR >                                   |              |                                     |
| Q5602                                            | 8-729-054-48 | TRANSISTOR UP04601008S0             |
| < RESISTOR >                                     |              |                                     |
| R5603                                            | 1-208-941-11 | METAL CHIP 180K 0.5% 1/16W          |
| R5604                                            | 1-208-719-11 | METAL CHIP 33K 0.5% 1/16W           |
| R5605                                            | 1-218-956-11 | RES-CHIP 1.8K 5% 1/16W              |
| R5606                                            | 1-216-839-11 | METAL CHIP 33K 5% 1/10W             |
| R5607                                            | 1-211-983-11 | METAL CHIP 39 0.5% 1/10W            |
| A-7112-882-A MA-421 BOARD, COMPLETE (HC15E)      |              |                                     |
| *****                                            |              |                                     |
| A-7112-883-A MA-421 BOARD, COMPLETE (HC14E/HC15) |              |                                     |
| *****                                            |              |                                     |
| < CAPACITOR >                                    |              |                                     |
| C5404                                            | 1-127-760-11 | CERAMIC CHIP 4.7uF 10% 6.3V (HC15E) |
| C5502                                            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V         |
| C5504                                            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V         |
| C5505                                            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V         |
| C5506                                            | 1-135-259-11 | TANTAL. CHIP 10uF 20% 6.3V          |
| C5510                                            | 1-164-937-11 | CERAMIC CHIP 0.001uF 10% 50V        |
| C5511                                            | 1-135-259-11 | TANTAL. CHIP 10uF 20% 6.3V          |
| C5514                                            | 1-164-937-11 | CERAMIC CHIP 0.001uF 10% 50V        |
| C5516                                            | 1-164-874-11 | CERAMIC CHIP 100PF 5% 50V           |
| C5517                                            | 1-164-874-11 | CERAMIC CHIP 100PF 5% 50V           |
| C5519                                            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V          |
| C5520                                            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V          |
| C5521                                            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V          |
| C5523                                            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V          |
| C5528                                            | 1-164-942-11 | CERAMIC CHIP 0.0068uF 10% 16V       |
| C5529                                            | 1-164-942-11 | CERAMIC CHIP 0.0068uF 10% 16V       |
| C5532                                            | 1-119-750-11 | TANTAL. CHIP 22uF 20% 6.3V          |
| < CONNECTOR >                                    |              |                                     |
| CN5401                                           | 1-778-507-21 | PIN, CONNECTOR (PC BOARD) 4P        |
| CN5402                                           | 1-815-235-11 | CONNECTOR, FFC/FPC (ZIF) 37P        |
| < DIODE >                                        |              |                                     |
| D5401                                            | 6-500-506-01 | DIODE TLRMV1021 (T15SOY, F)         |
| D5403                                            | 6-500-776-01 | DIODE MAZW068H0LS0                  |
| D5404                                            | 8-719-073-01 | DIODE MA111-(K8).S0 (HC15E)         |
| D5405                                            | 6-500-512-01 | DIODE CL-330IRS-X-TU                |
| D5408                                            | 8-719-978-33 | DIODE DTZ-TT11-6.8B                 |
| D5409                                            | 8-719-978-33 | DIODE DTZ-TT11-6.8B                 |
| D5410                                            | 8-719-978-33 | DIODE DTZ-TT11-6.8B                 |
| < FERRITE BEAD >                                 |              |                                     |
| FB5401                                           | 1-469-179-21 | INDUCTOR, FERRITE BEAD              |
| FB5402                                           | 1-469-179-21 | INDUCTOR, FERRITE BEAD              |
| FB5403                                           | 1-469-179-21 | INDUCTOR, FERRITE BEAD              |
| FB5404                                           | 1-469-179-21 | INDUCTOR, FERRITE BEAD              |
| FB5405                                           | 1-500-444-11 | FERRITE, EMI (SMD) (1608)           |

| Ref. No.     | Part No.     | Description                      |
|--------------|--------------|----------------------------------|
| FB5406       | 1-500-444-11 | FERRITE, EMI (SMD) (1608)        |
| FB5407       | 1-500-444-11 | FERRITE, EMI (SMD) (1608)        |
| FB5408       | 1-500-444-11 | FERRITE, EMI (SMD) (1608)        |
| FB5409       | 1-500-444-11 | FERRITE, EMI (SMD) (1608)        |
| < IC >       |              |                                  |
| IC5401       | 6-600-047-01 | IC RS-670 (HC15E)                |
| IC5501       | 8-759-679-11 | IC BH7870AKV-E2                  |
| < JACK >     |              |                                  |
| J5401        | 1-691-737-41 | JACK (SMALL TYPE) (MIC)          |
| J5402        | 1-793-995-11 | JACK, SUPER SMALL TYPE (LANC)    |
| J5404        | 1-694-688-11 | TERMINAL, S (S VIDEO OUT)        |
| < COIL >     |              |                                  |
| L5501        | 1-469-528-91 | INDUCTOR 100uH                   |
| < RESISTOR > |              |                                  |
| R5401        | 1-216-864-11 | SHORT CHIP 0                     |
| R5402        | 1-218-956-11 | RES-CHIP 1.8K 5% 1/16W           |
| R5403        | 1-216-864-11 | SHORT CHIP 0                     |
| R5405        | 1-216-805-11 | METAL CHIP 47 5% 1/10W (HC15E)   |
| R5407        | 1-216-864-11 | SHORT CHIP 0                     |
| R5408        | 1-216-864-11 | SHORT CHIP 0                     |
| R5409        | 1-216-864-11 | SHORT CHIP 0                     |
| R5503        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W            |
| R5504        | 1-218-961-11 | RES-CHIP 4.7K 5% 1/16W           |
| R5505        | 1-218-990-11 | SHORT CHIP 0                     |
| R5506        | 1-218-957-11 | RES-CHIP 2.2K 5% 1/16W           |
| R5507        | 1-218-957-11 | RES-CHIP 2.2K 5% 1/16W           |
| R5508        | 1-218-963-11 | RES-CHIP 6.8K 5% 1/16W           |
| R5509        | 1-218-963-11 | RES-CHIP 6.8K 5% 1/16W           |
| R5510        | 1-218-953-11 | RES-CHIP 1K 5% 1/16W             |
| R5511        | 1-218-953-11 | RES-CHIP 1K 5% 1/16W             |
| R5515        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W            |
| R5517        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W            |
| R5520        | 1-218-959-11 | RES-CHIP 3.3K 5% 1/16W           |
| R5521        | 1-218-959-11 | RES-CHIP 3.3K 5% 1/16W           |
| R5522        | 1-218-990-11 | SHORT CHIP 0                     |
| R5524        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W           |
| R5525        | 1-218-966-11 | RES-CHIP 12K 5% 1/16W            |
| R5530        | 1-218-990-11 | SHORT CHIP 0                     |
| R5531        | 1-218-990-11 | SHORT CHIP 0                     |
| R5532        | 1-218-990-11 | SHORT CHIP 0                     |
| R5533        | 1-218-990-11 | SHORT CHIP 0                     |
| R5534        | 1-218-990-11 | SHORT CHIP 0                     |
| < SENSOR >   |              |                                  |
| SE5401       | 1-476-807-31 | SENSOR, ANGULAR VELOCITY (YAW)   |
| SE5402       | 1-476-807-41 | SENSOR, ANGULAR VELOCITY (PITCH) |
| < VARISTOR > |              |                                  |
| VD5401       | 1-801-862-11 | VARISTOR, CHIP (1608)            |
| VD5402       | 1-801-862-11 | VARISTOR, CHIP (1608)            |
| VD5403       | 1-801-923-11 | VARISTOR, CHIP (1608)            |
| VD5407       | 1-803-974-21 | VARISTOR, CHIP (1608)            |
| VD5408       | 1-803-974-21 | VARISTOR, CHIP (1608)            |

| Ref. No.         | Part No.     | Description                     |
|------------------|--------------|---------------------------------|
|                  | A-7013-528-A | PD-188 BOARD, COMPLETE<br>***** |
| < CAPACITOR >    |              |                                 |
| C6001            | 1-127-760-11 | CERAMIC CHIP 4.7uF 10% 6.3V     |
| C6002            | 1-135-259-11 | TANTAL. CHIP 10uF 20% 6.3V      |
| C6003            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V     |
| C6004            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V     |
| C6005            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V     |
| C6007            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V      |
| C6008            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V     |
| C6009            | 1-135-177-21 | TANTAL. CHIP 1uF 20% 25V        |
| C6010            | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V     |
| C6011            | 1-164-739-11 | CERAMIC CHIP 560PF 5% 50V       |
| C6012            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V      |
| C6013            | 1-162-964-11 | CERAMIC CHIP 0.001uF 10% 50V    |
| C6014            | 1-109-982-11 | CERAMIC CHIP 1uF 10% 10V        |
| C6015            | 1-164-870-11 | CERAMIC CHIP 68PF 5% 50V        |
| C6016            | 1-165-908-11 | CERAMIC CHIP 1uF 10% 10V        |
| C6017            | 1-165-908-11 | CERAMIC CHIP 1uF 10% 10V        |
| C6018            | 1-165-908-11 | CERAMIC CHIP 1uF 10% 10V        |
| C6019            | 1-115-566-11 | CERAMIC CHIP 4.7uF 10% 10V      |
| C6022            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V      |
| C6023            | 1-109-982-11 | CERAMIC CHIP 1uF 10% 10V        |
| C6024            | 1-107-826-11 | CERAMIC CHIP 0.1uF 10% 16V      |
| C6101            | 1-115-566-11 | CERAMIC CHIP 4.7uF 10% 10V      |
| C6103            | 1-164-657-11 | CERAMIC CHIP 0.015uF 10% 50V    |
| C6104            | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V      |
| △C6105           | 1-100-371-11 | CERAMIC CHIP 12PF 5% 3.15KV     |
| < CONNECTOR >    |              |                                 |
| CN6001           | 1-815-031-11 | CONNECTOR, FFC/FPC (ZIF) 24P    |
| CN6101           | 1-764-709-11 | CONNECTOR, FFC/FPC (LIF) 10P    |
| CN6201           | 1-794-997-11 | PIN, CONNECTOR 20P              |
| CN6202           | 1-794-376-21 | PIN, CONNECTOR 4P               |
| CN6203           | 1-691-344-11 | CONNECTOR, FFC/FPC (ZIF) 6P     |
| < DIODE >        |              |                                 |
| D6001            | 8-719-084-47 | DIODE 1SV290 (TPL3)             |
| D6003            | 8-719-050-42 | DIODE RD3.3UM-T1B               |
| D6103            | 8-719-073-01 | DIODE MA111-(K8).S0             |
| D6201            | 8-719-056-85 | DIODE UDZ-TE-17-8.2B            |
| < FERRITE BEAD > |              |                                 |
| FB6001           | 1-414-760-21 | BEAD, FERRITE (CHIP) (1608)     |
| FB6002           | 1-414-760-21 | BEAD, FERRITE (CHIP) (1608)     |
| < IC >           |              |                                 |
| IC6001           | 8-752-109-08 | IC CXA3289BR                    |
| IC6002           | 8-752-407-33 | IC CXD3512R-T4                  |
| IC6101           | 8-759-564-49 | IC TC7W53FU (TE12R)             |
| IC6102           | 8-759-075-70 | IC TA75S393F                    |
| < COIL >         |              |                                 |
| L6001            | 1-469-525-91 | INDUCTOR 10uH                   |
| L6002            | 1-412-949-21 | INDUCTOR 6.8uH                  |
| L6101            | 1-428-878-11 | INDUCTOR 82uH                   |

| Ref. No.                                     | Part No.     | Description                   |
|----------------------------------------------|--------------|-------------------------------|
| < TRANSISTOR >                               |              |                               |
| Q6001                                        | 8-729-054-48 | TRANSISTOR UP04601008S0       |
| Q6002                                        | 8-729-054-48 | TRANSISTOR UP04601008S0       |
| Q6003                                        | 6-550-234-01 | TRANSISTOR UNR32A300LS0       |
| Q6004                                        | 6-550-232-01 | TRANSISTOR 2SA2029T2LQ/R      |
| Q6005                                        | 6-550-232-01 | TRANSISTOR 2SA2029T2LQ/R      |
| Q6101                                        | 6-550-234-01 | TRANSISTOR UNR32A300LS0       |
| Q6102                                        | 6-550-065-01 | TRANSISTOR CPH5504-TL-E       |
| < RESISTOR >                                 |              |                               |
| R6001                                        | 1-208-931-11 | METAL CHIP 68K 0.5% 1/16W     |
| R6002                                        | 1-218-985-11 | RES-CHIP 470K 5% 1/16W        |
| R6003                                        | 1-218-953-11 | RES-CHIP 1K 5% 1/16W          |
| R6004                                        | 1-218-953-11 | RES-CHIP 1K 5% 1/16W          |
| R6006                                        | 1-218-958-11 | RES-CHIP 2.7K 5% 1/16W        |
| R6007                                        | 1-218-973-11 | RES-CHIP 47K 5% 1/16W         |
| R6008                                        | 1-218-973-11 | RES-CHIP 47K 5% 1/16W         |
| R6009                                        | 1-218-975-11 | RES-CHIP 68K 5% 1/16W         |
| R6010                                        | 1-218-969-11 | RES-CHIP 22K 5% 1/16W         |
| R6011                                        | 1-218-975-11 | RES-CHIP 68K 5% 1/16W         |
| R6012                                        | 1-218-989-11 | RES-CHIP 1M 5% 1/16W          |
| R6013                                        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R6014                                        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W         |
| R6015                                        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W         |
| R6016                                        | 1-218-953-11 | RES-CHIP 1K 5% 1/16W          |
| R6017                                        | 1-218-973-11 | RES-CHIP 47K 5% 1/16W         |
| R6018                                        | 1-218-966-11 | RES-CHIP 12K 5% 1/16W         |
| R6019                                        | 1-218-989-11 | RES-CHIP 1M 5% 1/16W          |
| R6020                                        | 1-218-975-11 | RES-CHIP 68K 5% 1/16W         |
| R6021                                        | 1-218-979-11 | RES-CHIP 150K 5% 1/16W        |
| R6022                                        | 1-208-957-11 | METAL CHIP 820K 0.5% 1/16W    |
| R6023                                        | 1-218-990-11 | SHORT CHIP 0                  |
| R6103                                        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W         |
| R6104                                        | 1-218-980-11 | RES-CHIP 180K 5% 1/16W        |
| R6105                                        | 1-218-969-11 | RES-CHIP 22K 5% 1/16W         |
| R6106                                        | 1-216-055-00 | RES-CHIP 1.8K 5% 1/10W        |
| R6107                                        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W         |
| R6108                                        | 1-218-969-11 | RES-CHIP 22K 5% 1/16W         |
| R6110                                        | 1-218-949-11 | RES-CHIP 470 5% 1/16W         |
| < COMPOSITION CIRCUIT BLOCK >                |              |                               |
| RB6001                                       | 1-234-372-21 | RES, NETWORK 100X4 (1005)     |
| < TRANSFORMER >                              |              |                               |
| △T6101                                       | 1-435-786-31 | TRANSFORMER, INVERTER         |
| A-7112-878-A VA-118 BOARD, COMPLETE<br>***** |              |                               |
| < CAPACITOR >                                |              |                               |
| C4001                                        | 1-125-777-11 | CERAMIC CHIP 0.1uF 10% 10V    |
| C4005                                        | 1-127-760-11 | CERAMIC CHIP 4.7uF 10% 6.3V   |
| C4109                                        | 1-119-749-11 | TANTAL. CHIP 33uF 20% 4V      |
| C4110                                        | 1-164-943-11 | CERAMIC CHIP 0.01uF 10% 16V   |
| C4111                                        | 1-162-969-11 | CERAMIC CHIP 0.0068uF 10% 25V |

**Note :** The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.

VA-118

| Ref. No. | Part No.     | Description  |          |     |      |
|----------|--------------|--------------|----------|-----|------|
| C4112    | 1-107-826-11 | CERAMIC CHIP | 0.1uF    | 10% | 16V  |
| C4113    | 1-164-854-11 | CERAMIC CHIP | 15PF     | 5%  | 50V  |
| C4114    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4115    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4116    | 1-164-854-11 | CERAMIC CHIP | 15PF     | 5%  | 50V  |
| C4117    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4201    | 1-127-760-11 | CERAMIC CHIP | 4.7uF    | 10% | 6.3V |
| C4203    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4204    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4205    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4206    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4207    | 1-164-739-11 | CERAMIC CHIP | 560PF    | 5%  | 50V  |
| C4208    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4209    | 1-113-986-11 | TANTAL. CHIP | 2.2uF    | 20% | 25V  |
| C4210    | 1-164-937-11 | CERAMIC CHIP | 0.001uF  | 10% | 50V  |
| C4211    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4212    | 1-164-876-11 | CERAMIC CHIP | 120PF    | 5%  | 50V  |
| C4213    | 1-125-837-91 | CERAMIC CHIP | 1uF      | 10% | 6.3V |
| C4214    | 1-125-837-91 | CERAMIC CHIP | 1uF      | 10% | 6.3V |
| C4215    | 1-125-837-91 | CERAMIC CHIP | 1uF      | 10% | 6.3V |
| C4216    | 1-109-994-11 | CERAMIC CHIP | 2.2uF    | 10% | 10V  |
| C4217    | 1-164-505-11 | CERAMIC CHIP | 2.2uF    |     | 16V  |
| C4301    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4302    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4303    | 1-104-847-11 | TANTAL. CHIP | 22uF     | 20% | 4V   |
| C4304    | 1-104-847-11 | TANTAL. CHIP | 22uF     | 20% | 4V   |
| C4305    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4306    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4307    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4308    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4309    | 1-137-710-11 | CERAMIC CHIP | 10uF     | 20% | 6.3V |
| C4310    | 1-137-710-11 | CERAMIC CHIP | 10uF     | 20% | 6.3V |
| C4311    | 1-137-710-11 | CERAMIC CHIP | 10uF     | 20% | 6.3V |
| C4312    | 1-137-710-11 | CERAMIC CHIP | 10uF     | 20% | 6.3V |
| C4314    | 1-127-760-11 | CERAMIC CHIP | 4.7uF    | 10% | 6.3V |
| C4501    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4502    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4503    | 1-107-819-11 | CERAMIC CHIP | 0.022uF  | 10% | 16V  |
| C4504    | 1-164-941-11 | CERAMIC CHIP | 0.0047uF | 10% | 16V  |
| C4505    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4506    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4507    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4508    | 1-164-943-11 | CERAMIC CHIP | 0.01uF   | 10% | 16V  |
| C4509    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4510    | 1-164-934-11 | CERAMIC CHIP | 330PF    | 10% | 50V  |
| C4511    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4512    | 1-165-908-11 | CERAMIC CHIP | 1uF      | 10% | 10V  |
| C4513    | 1-107-819-11 | CERAMIC CHIP | 0.022uF  | 10% | 16V  |
| C4514    | 1-125-777-11 | CERAMIC CHIP | 0.1uF    | 10% | 10V  |
| C4515    | 1-165-908-11 | CERAMIC CHIP | 1uF      | 10% | 10V  |
| C4516    | 1-107-819-11 | CERAMIC CHIP | 0.022uF  | 10% | 16V  |
| C4517    | 1-119-923-11 | CERAMIC CHIP | 0.047uF  | 10% | 10V  |
| C4518    | 1-165-875-11 | CERAMIC CHIP | 10uF     | 10% | 10V  |
| C4520    | 1-109-982-11 | CERAMIC CHIP | 1uF      | 10% | 10V  |
| C4521    | 1-115-566-11 | CERAMIC CHIP | 4.7uF    | 10% | 10V  |
| C4522    | 1-115-566-11 | CERAMIC CHIP | 4.7uF    | 10% | 10V  |
| C4523    | 1-125-838-11 | CERAMIC CHIP | 2.2uF    | 10% | 6.3V |
| C4526    | 1-115-566-11 | CERAMIC CHIP | 4.7uF    | 10% | 10V  |
| C4527    | 1-127-861-11 | CERAMIC CHIP | 2.2uF    | 10% | 16V  |
| C4528    | 1-109-982-11 | CERAMIC CHIP | 1uF      | 10% | 10V  |

| Ref. No.      | Part No.     | Description                    |         |     |      |
|---------------|--------------|--------------------------------|---------|-----|------|
| C4529         | 1-115-566-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 10V  |
| C4530         | 1-127-760-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 6.3V |
| C4531         | 1-115-566-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 10V  |
| C4532         | 1-127-760-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 6.3V |
| C4533         | 1-127-760-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 6.3V |
| C4535         | 1-115-566-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 10V  |
| C4536         | 1-115-566-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 10V  |
| C4537         | 1-127-861-11 | CERAMIC CHIP                   | 2.2uF   | 10% | 16V  |
| C4538         | 1-119-750-11 | TANTAL. CHIP                   | 22uF    | 20% | 6.3V |
| C4539         | 1-104-851-11 | TANTAL. CHIP                   | 10uF    | 20% | 10V  |
| C4540         | 1-125-827-91 | CERAMIC CHIP                   | 1uF     | 10% | 25V  |
| C4541         | 1-127-760-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 6.3V |
| C4542         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4543         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4544         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4545         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4546         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4547         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4548         | 1-119-750-11 | TANTAL. CHIP                   | 22uF    | 20% | 6.3V |
| C4549         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4550         | 1-113-988-11 | TANTAL. CHIP                   | 68uF    | 20% | 4V   |
| C4551         | 1-125-777-11 | CERAMIC CHIP                   | 0.1uF   | 10% | 10V  |
| C4553         | 1-117-720-11 | CERAMIC CHIP                   | 4.7uF   |     | 10V  |
| C4554         | 1-115-566-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 10V  |
| C4555         | 1-164-506-11 | CERAMIC CHIP                   | 4.7uF   |     | 16V  |
| C4557         | 1-164-505-11 | CERAMIC CHIP                   | 2.2uF   |     | 16V  |
| C4558         | 1-135-259-11 | TANTAL. CHIP                   | 10uF    | 20% | 6.3V |
| C4559         | 1-107-826-11 | CERAMIC CHIP                   | 0.1uF   | 10% | 16V  |
| C4560         | 1-127-760-11 | CERAMIC CHIP                   | 4.7uF   | 10% | 6.3V |
| C4562         | 1-107-726-91 | CERAMIC CHIP                   | 0.01uF  | 10% | 16V  |
| C4601         | 1-125-777-11 | CERAMIC CHIP                   | 0.1uF   | 10% | 10V  |
| C4602         | 1-125-777-11 | CERAMIC CHIP                   | 0.1uF   | 10% | 10V  |
| C4603         | 1-107-819-11 | CERAMIC CHIP                   | 0.022uF | 10% | 16V  |
| C4604         | 1-119-751-11 | TANTAL. CHIP                   | 22uF    | 20% | 16V  |
| C4605         | 1-119-751-11 | TANTAL. CHIP                   | 22uF    | 20% | 16V  |
| C4606         | 1-119-751-11 | TANTAL. CHIP                   | 22uF    | 20% | 16V  |
| < CONNECTOR > |              |                                |         |     |      |
| CN4002        | 1-766-613-21 | CONNECTOR, FFC/FPC 36P         |         |     |      |
| CN4003        | 1-794-998-31 | PIN, CONNECTOR 20P             |         |     |      |
| CN4004        | 1-774-603-41 | CONNECTOR, BOARD TO BOARD 100P |         |     |      |
| CN4005        | 1-691-354-21 | CONNECTOR, FFC/FPC (ZIF) 16P   |         |     |      |
| CN4201        | 1-766-350-21 | CONNECTOR, FFC/FPC 20P         |         |     |      |
| CN4602        | 1-580-056-21 | PIN, CONNECTOR (SMD) 3P        |         |     |      |
| CN4603        | 1-580-056-21 | PIN, CONNECTOR (SMD) 3P        |         |     |      |
| < DIODE >     |              |                                |         |     |      |
| D4101         | 8-719-073-01 | DIODE MA111-(K8).S0            |         |     |      |
| D4102         | 8-719-978-33 | DIODE DTZ-TT11-6.8B            |         |     |      |
| D4103         | 8-719-978-33 | DIODE DTZ-TT11-6.8B            |         |     |      |
| D4201         | 8-719-084-47 | DIODE 1SV290 (TPL3)            |         |     |      |
| D4502         | 8-719-027-76 | DIODE 1SS357-TPH3              |         |     |      |
| D4503         | 6-500-314-01 | DIODE DAN222MT2L               |         |     |      |
| D4504         | 8-719-074-08 | DIODE MA4ZD03001S0             |         |     |      |
| D4507         | 8-719-074-08 | DIODE MA4ZD03001S0             |         |     |      |
| D4601         | 6-500-289-01 | DIODE MAZW082H0LS0             |         |     |      |
| D4602         | 8-719-081-19 | DIODE 1SS383 (T5RSONY1)        |         |     |      |



| Ref. No.         | Part No.     | Description                   |
|------------------|--------------|-------------------------------|
| < FUSE >         |              |                               |
| △F4602           | 1-576-406-21 | FUSE 1.4A/32V                 |
| △F4603           | 1-576-406-21 | FUSE 1.4A/32V                 |
| △F4604           | 1-576-406-21 | FUSE 1.4A/32V                 |
| △F4605           | 1-576-406-21 | FUSE 1.4A/32V                 |
| < FERRITE BEAD > |              |                               |
| FB4201           | 1-469-676-22 | BEAD, FERRITE (CHIP) (1608)   |
| FB4202           | 1-500-329-21 | INDUCTOR, FERRITE BEAD        |
| < IC >           |              |                               |
| IC4101           | 6-803-026-01 | IC MB89097PFV-G-155-BND-ER-E1 |
| IC4201           | 8-752-109-08 | IC CXA3289BR                  |
| IC4202           | 8-752-405-57 | IC CXD3501AR-T4               |
| IC4301           | 8-759-489-19 | IC uPC6756GR-8JG-E2           |
| IC4502           | 6-703-429-01 | IC MB44A120APFV-G-BND-ERE1    |
| IC4504           | 6-703-227-01 | IC TK11131CSCL-G              |
| < COIL >         |              |                               |
| L4201            | 1-469-525-91 | INDUCTOR 10uH                 |
| L4202            | 1-469-891-21 | INDUCTOR 6.8uH                |
| L4301            | 1-469-570-11 | INDUCTOR 10uH                 |
| L4501            | 1-416-670-11 | INDUCTOR 33uH                 |
| L4502            | 1-419-354-21 | INDUCTOR 22uH                 |
| L4503            | 1-419-354-21 | INDUCTOR 22uH                 |
| L4504            | 1-419-354-21 | INDUCTOR 22uH                 |
| L4505            | 1-416-670-11 | INDUCTOR 33uH                 |
| L4506            | 1-419-354-21 | INDUCTOR 22uH                 |
| L4507            | 1-416-670-11 | INDUCTOR 33uH                 |
| L4508            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4509            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4510            | 1-469-757-21 | INDUCTOR 10uH                 |
| L4511            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4512            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4513            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4514            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4515            | 1-469-526-91 | INDUCTOR 22uH                 |
| L4516            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4517            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4518            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4519            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4520            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4521            | 1-469-524-91 | INDUCTOR 4.7uH                |
| L4601            | 1-412-056-11 | INDUCTOR 4.7uH                |
| < LINE FILTER >  |              |                               |
| LF4602           | 1-456-681-21 | COIL, CHOKE                   |
| < TRANSISTOR >   |              |                               |
| Q4001            | 6-550-102-01 | TRANSISTOR 2SC5663T2L         |
| Q4002            | 6-550-235-01 | TRANSISTOR UNR32A500LS0       |
| Q4003            | 6-550-238-01 | TRANSISTOR DTA114EMT2L        |
| Q4004            | 8-729-053-57 | TRANSISTOR RN1902FE (TPLR3)   |
| Q4005            | 8-729-054-44 | TRANSISTOR UP04111008SO       |
| Q4101            | 8-729-041-43 | TRANSISTOR HN1L02FU (TE85R)   |
| Q4504            | 6-550-559-01 | TRANSISTOR XNONE9200LS0       |
| Q4505            | 6-550-559-01 | TRANSISTOR XNONE9200LS0       |
| Q4506            | 6-550-559-01 | TRANSISTOR XNONE9200LS0       |
| Q4507            | 6-550-559-01 | TRANSISTOR XNONE9200LS0       |

| Ref. No.     | Part No.     | Description                   |
|--------------|--------------|-------------------------------|
| Q4508        | 6-550-559-01 | TRANSISTOR XNONE9200LS0       |
| Q4509        | 6-550-559-01 | TRANSISTOR XNONE9200LS0       |
| Q4510        | 6-550-560-01 | TRANSISTOR CPH5819-TL-E       |
| Q4513        | 6-550-237-01 | TRANSISTOR 2SC5658T2LQ/R      |
| Q4514        | 8-729-101-07 | TRANSISTOR 2SB798-DL          |
| Q4515        | 6-550-237-01 | TRANSISTOR 2SC5658T2LQ/R      |
| Q4516        | 6-550-232-01 | TRANSISTOR 2SA2029T2LQ/R      |
| Q4517        | 6-550-232-01 | TRANSISTOR 2SA2029T2LQ/R      |
| Q4518        | 8-729-054-50 | TRANSISTOR UP04501008SO       |
| Q4519        | 8-729-054-50 | TRANSISTOR UP04501008SO       |
| Q4520        | 6-550-237-01 | TRANSISTOR 2SC5658T2LQ/R      |
| Q4521        | 8-729-054-49 | TRANSISTOR UP04401008SO       |
| Q4524        | 8-729-216-22 | TRANSISTOR 2SA1162-G          |
| Q4525        | 8-729-054-50 | TRANSISTOR UP04501008SO       |
| Q4526        | 6-550-406-01 | TRANSISTOR MCH3335-S-TL-E     |
| Q4601        | 8-729-047-68 | TRANSISTOR SSM3K03FE (TPL3)   |
| Q4602        | 6-550-404-01 | TRANSISTOR UPA1858GR-9JG-E2-A |
| Q4603        | 8-729-101-07 | TRANSISTOR 2SB798-DL          |
| Q4604        | 6-550-234-01 | TRANSISTOR UNR32A300LS0       |
| < RESISTOR > |              |                               |
| R4002        | 1-218-953-11 | RES-CHIP 1K 5% 1/16W          |
| R4004        | 1-216-009-91 | RES-CHIP 22 5% 1/10W          |
| R4005        | 1-216-009-91 | RES-CHIP 22 5% 1/10W          |
| R4006        | 1-218-939-11 | RES-CHIP 68 5% 1/16W          |
| R4007        | 1-218-959-11 | RES-CHIP 3.3K 5% 1/16W        |
| R4009        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W         |
| R4103        | 1-218-989-11 | RES-CHIP 1M 5% 1/16W          |
| R4104        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R4106        | 1-218-973-11 | RES-CHIP 47K 5% 1/16W         |
| R4109        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R4110        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R4111        | 1-208-935-11 | METAL CHIP 100K 0.5% 1/16W    |
| R4112        | 1-218-989-11 | RES-CHIP 1M 5% 1/16W          |
| R4113        | 1-218-961-11 | RES-CHIP 4.7K 5% 1/16W        |
| R4114        | 1-219-570-11 | METAL CHIP 10M 5% 1/10W       |
| R4115        | 1-218-985-11 | RES-CHIP 470K 5% 1/16W        |
| R4116        | 1-208-927-11 | METAL CHIP 47K 0.5% 1/16W     |
| R4117        | 1-218-990-11 | SHORT CHIP 0                  |
| R4118        | 1-216-857-11 | METAL CHIP 1M 5% 1/10W        |
| R4119        | 1-218-949-11 | RES-CHIP 470 5% 1/16W         |
| R4120        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R4121        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R4122        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |
| R4123        | 1-218-989-11 | RES-CHIP 1M 5% 1/16W          |
| R4124        | 1-218-965-11 | RES-CHIP 10K 5% 1/16W         |
| R4201        | 1-218-985-11 | RES-CHIP 470K 5% 1/16W        |
| R4203        | 1-218-990-11 | SHORT CHIP 0                  |
| R4204        | 1-218-990-11 | SHORT CHIP 0                  |
| R4206        | 1-218-958-11 | RES-CHIP 2.7K 5% 1/16W        |
| R4207        | 1-218-973-11 | RES-CHIP 47K 5% 1/16W         |
| R4208        | 1-218-975-11 | RES-CHIP 68K 5% 1/16W         |
| R4209        | 1-218-969-11 | RES-CHIP 22K 5% 1/16W         |
| R4210        | 1-218-975-11 | RES-CHIP 68K 5% 1/16W         |
| R4211        | 1-218-989-11 | RES-CHIP 1M 5% 1/16W          |
| R4212        | 1-218-977-11 | RES-CHIP 100K 5% 1/16W        |

**Note :** The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.

DCR-HC14E/HC15/HC15E

VA-118

VC-311

| Ref. No.                      | Part No.     | Description               |      |      |       |
|-------------------------------|--------------|---------------------------|------|------|-------|
| R4213                         | 1-208-927-11 | METAL CHIP                | 47K  | 0.5% | 1/16W |
| R4214                         | 1-218-989-11 | RES-CHIP                  | 1M   | 5%   | 1/16W |
| R4215                         | 1-218-953-11 | RES-CHIP                  | 1K   | 5%   | 1/16W |
| R4301                         | 1-218-989-11 | RES-CHIP                  | 1M   | 5%   | 1/16W |
| R4302                         | 1-218-965-11 | RES-CHIP                  | 10K  | 5%   | 1/16W |
| R4303                         | 1-218-965-11 | RES-CHIP                  | 10K  | 5%   | 1/16W |
| R4304                         | 1-218-989-11 | RES-CHIP                  | 1M   | 5%   | 1/16W |
| R4501                         | 1-220-200-81 | RES-CHIP                  | 30K  | 5%   | 1/16W |
| R4502                         | 1-218-953-11 | RES-CHIP                  | 1K   | 5%   | 1/16W |
| R4503                         | 1-218-961-11 | RES-CHIP                  | 4.7K | 5%   | 1/16W |
| R4510                         | 1-218-961-11 | RES-CHIP                  | 4.7K | 5%   | 1/16W |
| R4511                         | 1-218-970-11 | RES-CHIP                  | 27K  | 5%   | 1/16W |
| R4512                         | 1-218-965-11 | RES-CHIP                  | 10K  | 5%   | 1/16W |
| R4513                         | 1-218-971-11 | RES-CHIP                  | 33K  | 5%   | 1/16W |
| R4514                         | 1-218-972-11 | RES-CHIP                  | 39K  | 5%   | 1/16W |
| R4515                         | 1-218-953-11 | RES-CHIP                  | 1K   | 5%   | 1/16W |
| R4516                         | 1-218-953-11 | RES-CHIP                  | 1K   | 5%   | 1/16W |
| R4517                         | 1-208-697-11 | METAL CHIP                | 3.9K | 0.5% | 1/16W |
| R4518                         | 1-208-910-11 | METAL CHIP                | 9.1K | 0.5% | 1/16W |
| R4520                         | 1-208-927-11 | METAL CHIP                | 47K  | 0.5% | 1/16W |
| R4523                         | 1-218-977-11 | RES-CHIP                  | 100K | 5%   | 1/16W |
| R4524                         | 1-216-789-11 | METAL CHIP                | 2.2  | 5%   | 1/10W |
| R4526                         | 1-218-935-11 | RES-CHIP                  | 33   | 5%   | 1/16W |
| R4537                         | 1-218-966-11 | RES-CHIP                  | 12K  | 5%   | 1/16W |
| R4538                         | 1-218-977-11 | RES-CHIP                  | 100K | 5%   | 1/16W |
| R4539                         | 1-218-973-11 | RES-CHIP                  | 47K  | 5%   | 1/16W |
| R4540                         | 1-218-973-11 | RES-CHIP                  | 47K  | 5%   | 1/16W |
| R4541                         | 1-218-977-11 | RES-CHIP                  | 100K | 5%   | 1/16W |
| R4543                         | 1-218-977-11 | RES-CHIP                  | 100K | 5%   | 1/16W |
| R4545                         | 1-218-961-11 | RES-CHIP                  | 4.7K | 5%   | 1/16W |
| R4546                         | 1-218-969-11 | RES-CHIP                  | 22K  | 5%   | 1/16W |
| R4547                         | 1-218-969-11 | RES-CHIP                  | 22K  | 5%   | 1/16W |
| R4549                         | 1-218-969-11 | RES-CHIP                  | 22K  | 5%   | 1/16W |
| R4550                         | 1-208-703-11 | METAL CHIP                | 6.8K | 0.5% | 1/16W |
| R4551                         | 1-218-965-11 | RES-CHIP                  | 10K  | 5%   | 1/16W |
| R4552                         | 1-208-935-11 | METAL CHIP                | 100K | 0.5% | 1/16W |
| R4553                         | 1-208-927-11 | METAL CHIP                | 47K  | 0.5% | 1/16W |
| R4554                         | 1-208-711-11 | METAL CHIP                | 15K  | 0.5% | 1/16W |
| R4555                         | 1-208-935-11 | METAL CHIP                | 100K | 0.5% | 1/16W |
| R4556                         | 1-218-967-11 | RES-CHIP                  | 15K  | 5%   | 1/16W |
| R4557                         | 1-208-943-11 | METAL CHIP                | 220K | 0.5% | 1/16W |
| R4561                         | 1-218-977-11 | RES-CHIP                  | 100K | 5%   | 1/16W |
| R4562                         | 1-218-949-11 | RES-CHIP                  | 470  | 5%   | 1/16W |
| R4563                         | 1-208-909-11 | METAL CHIP                | 8.2K | 0.5% | 1/16W |
| R4564                         | 1-208-711-11 | METAL CHIP                | 15K  | 0.5% | 1/16W |
| R4601                         | 1-218-953-11 | RES-CHIP                  | 1K   | 5%   | 1/16W |
| R4604                         | 1-218-977-11 | RES-CHIP                  | 100K | 5%   | 1/16W |
| R4605                         | 1-218-989-11 | RES-CHIP                  | 1M   | 5%   | 1/16W |
| R4607                         | 1-216-797-11 | METAL CHIP                | 10   | 5%   | 1/10W |
| R4608                         | 1-218-954-11 | RES-CHIP                  | 1.2K | 5%   | 1/16W |
| R4609                         | 1-218-963-11 | RES-CHIP                  | 6.8K | 5%   | 1/16W |
| < COMPOSITION CIRCUIT BLOCK > |              |                           |      |      |       |
| RB4101                        | 1-234-378-21 | RES, NETWORK 10KX4 (1005) |      |      |       |
| RB4104                        | 1-234-375-21 | RES, NETWORK 1KX4 (1005)  |      |      |       |
| RB4105                        | 1-234-375-21 | RES, NETWORK 1KX4 (1005)  |      |      |       |
| RB4106                        | 1-234-375-21 | RES, NETWORK 1KX4 (1005)  |      |      |       |
| RB4107                        | 1-234-375-21 | RES, NETWORK 1KX4 (1005)  |      |      |       |

| Ref. No.     | Part No.     | Description                   |
|--------------|--------------|-------------------------------|
| RB4108       | 1-234-375-21 | RES, NETWORK 1KX4 (1005)      |
| RB4109       | 1-234-381-21 | RES, NETWORK 100KX4 (1005)    |
| RB4201       | 1-234-372-21 | RES, NETWORK 100X4 (1005)     |
| RB4301       | 1-234-379-21 | RES, NETWORK 22KX4 (1005)     |
| < VIBRATOR > |              |                               |
| X4101        | 1-760-458-21 | VIBRATOR, CRYSTAL (32.768KHz) |
| X4102        | 1-795-244-11 | VIBRATOR, CERAMIC (10MHz)     |

VC-311 BOARD, COMPLETE (SERVICE)  
(HC15/HC15E)  
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VC-311 BOARD, COMPLETE (SERVICE)(HC14E)  
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Electrical parts list of the VC-311 board  
are not shown.  
Pages from 5-21 to 5-24 are not shown.

