### MAIN PARTS PORTION

STEP No.	Ref. No.	PART	Section No.	REMOVE	NOTE
1	-	Cassette Cover Ass'y	1	6(L-1)	1
2	(1)	Side Case L Unit	1	6∰·1, (L-2), P1, FP6, FP9	2,3
3	-	Front Case Ass'y	1	2404-3, FP1	-
4	<b>E10</b>	Main C.B.A.	1	600-4, 3(L-3), B1, FP2, FP3, FP4, FP5, FP7, FP8, FP10, FP301, FP701	4
5	(E20)	Rear C.B.A.	1	2404-5, 510-5	5
6	-	Lens Ass'y	1		6
7	-	Top Case & EVF Ass'y	1	2 (40)-6	7
8	1	Mechanism Chassis Ass'y	1	404-7, <b>3(L-4)</b>	8
9	-	Side Case R Ass'y	1		-
Â	∱ B	¢ C	∱ D	∱ E	∱ F

### How to read chart shown above:

A: Order of Procedure steps.

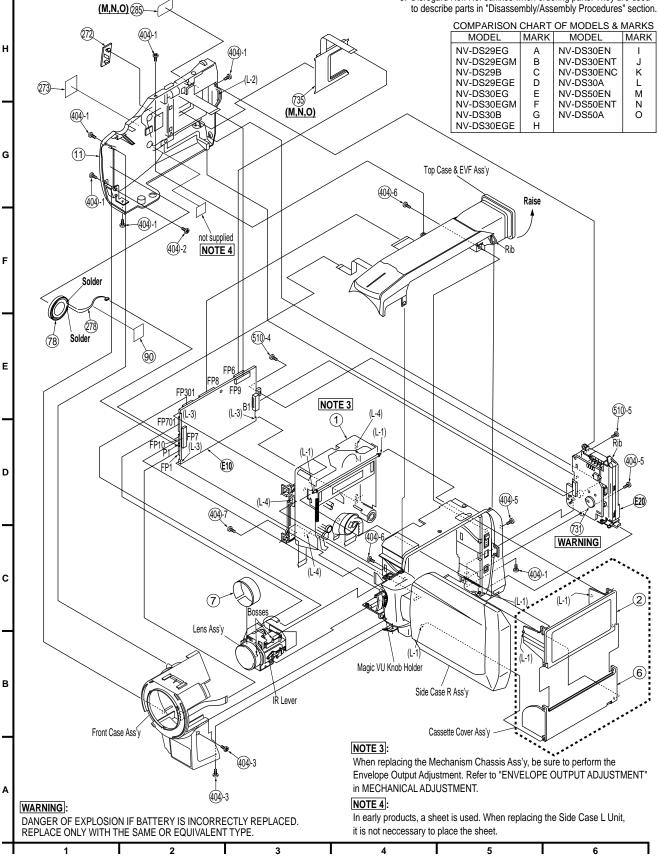
When reassembling, perform steps(s) in reverse order.

- B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
- $3(\underline{M}) = 3$  Screws  $(\underline{M}), 2(L-1) = 2$  Looking Tabs (L-1)
- F: Refer to "Notes in chart."

# MAIN PARTS SECTION

#### Note:

- 1. Parts with no Ref. No. in "EXPLODED VIEW" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- 2. The parts indicated by the dotted line \_\_\_\_\_ are for Ass'y only and are not supplied.
- 3. Disregard Ref. No. suffixes when ordering parts. They are used



## FRONT CASE PORTION & LAMP PORTION

STEP No.	Ref. No.	PART	Section No.	REMOVE	NOTE
1	83	Lens Hood	2	3@4-1	-
2	84)	Lens Ring	2		-
3	<b>E40</b>	Front C.B.A.	2	404-2, P6501	-
4	89	Front ESD Angle	2	(L-1)	-
5	82	Infrared Panel	2	2(L-2)	-
6	81	Front Case	2		-
∱ A	∱ B	∱ C	∱ D	∱ E	∱ F

### How to read chart shown above:

A: Order of Procedure steps.

When reassembling, perform steps(s) in reverse order.

- B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3@ = 3 Screws @, 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."

STEP No.	Ref. No.	PART	Section No.	REMOVE	NOTE
1	281	Light Protector	2	3(L-3)	-
2	282	Light Reflector	2	2@4-3	-
3	284	Lamp Socket Unit	2		-
4	283	Lamp	2		9
Å	∱ B	¢ C	† D	Î E	∱ F

### How to read chart shown above:

A: Order of Procedure steps.

When reassembling, perform steps(s) in reverse order.

- B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3@9 = 3 Screws @9, 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."



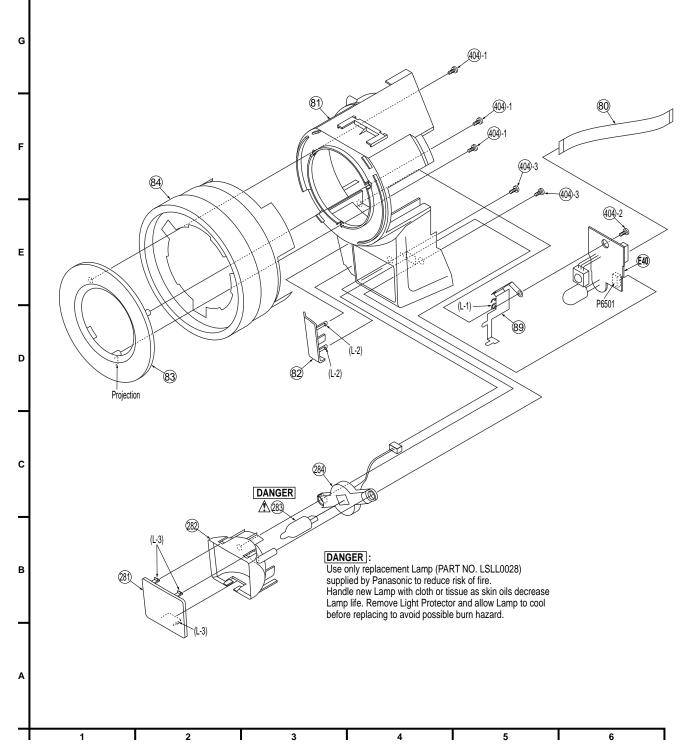
н

#### Note:

- Parts with no Ref. No. in "EXPLODED VIEW" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- 2. The parts indicated by the dotted line are for Ass'y only and are not supplied.
- Disregard Ref. No. suffixes when ordering parts. They are used to describe parts in "Disassembly/Assembly Procedures" section.

### IMPORTANT SAFTY NOTICE:

COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

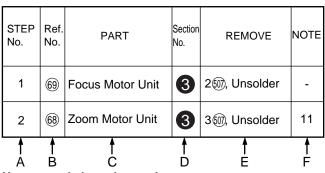


### **CCD PORTION & LENS PORTION**

STEP No.	Ref. No.	I PART	Section No.	REMOVE	NOTE
1	E70	CCD C.B.A.	3	2(422)	10
2	66	Filter Rubber	3		10
3	22	Optical Filter	3		10
Å	∱ B	f C	1 D	 E	† F

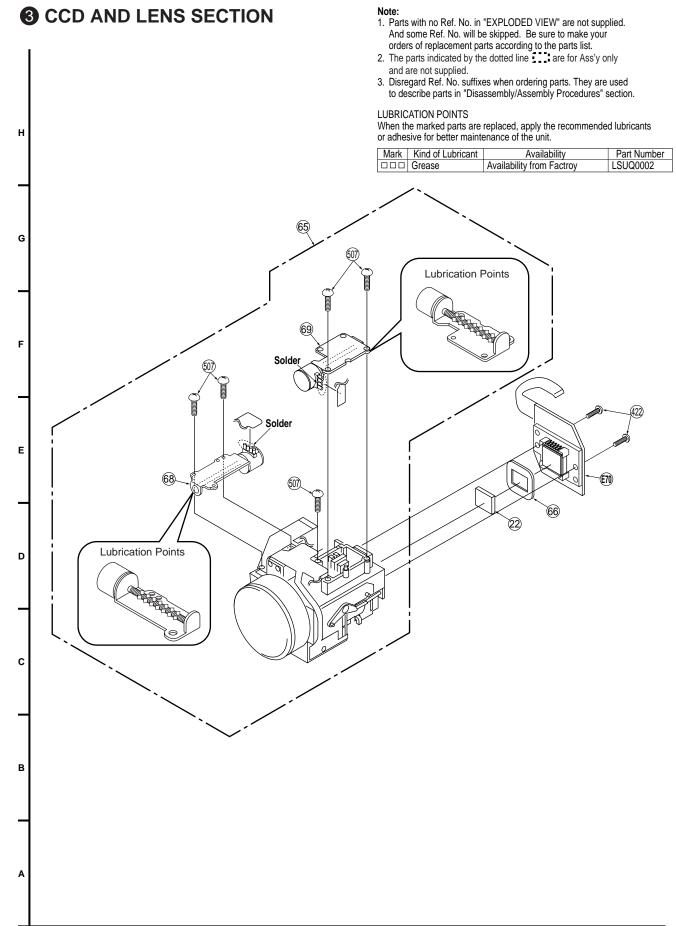
### How to read chart shown above:

- A: Order of Procedure steps.
- When reassembling, perform steps(s) in reverse order. B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3@ = 3 Screws @, 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."



### How to read chart shown above:

- A: Order of Procedure steps.
- When reassembling, perform steps(s) in reverse order.
- B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3(0) = 3 Screws (0), 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."



1 2 3 4 5 6

# **TOP CASE PORTION & EVF PORTION**

STEP No.	Ref. No.	PART	Section No.	REMOVE	NOTE
1	<b>E80</b>	Top Operation C.B.A.	4	4(16), P001	-
2	<b>E30</b>	Microphone C.B.A.	4	404	-
3	50	EVF Unit	4	3(L-1)	12
Å	∱ B	¢ C	∱ D	↑ E	 F

### How to read chart shown above:

- A: Order of Procedure steps.
- When reassembling, perform steps(s) in reverse order. B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3(0) = 3 Screws (0), 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."

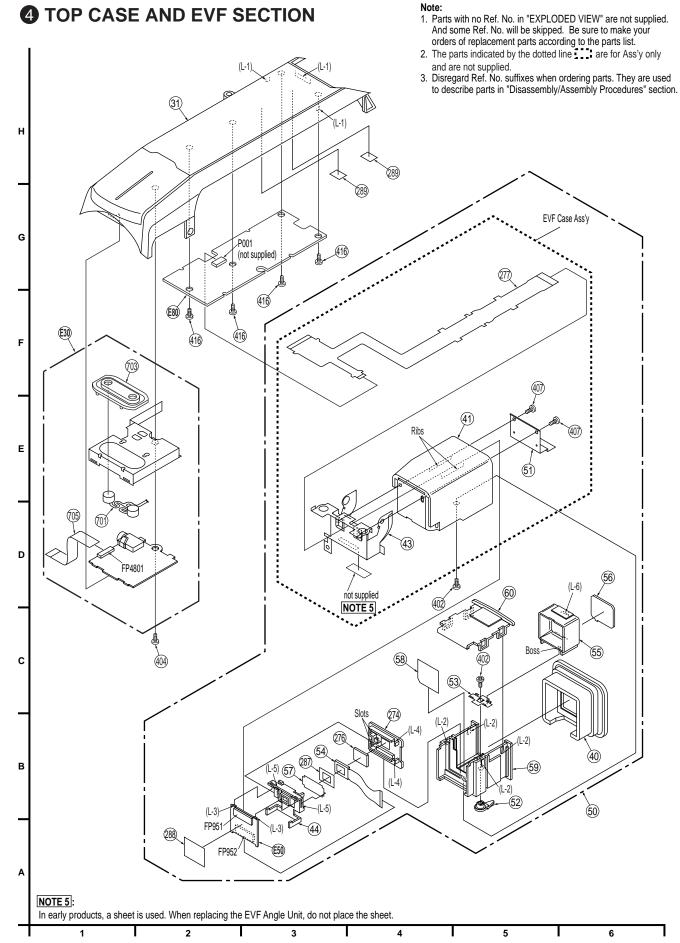
### Note:

When disassembling or reassembling, make sure that no dust gets in EVF Unit.

STEP No.	Ref. No.	PART	Section No.	REMOVE	NOTE
1	-	EVF Case Ass'y	4	@2, FP951	13
2	40	Еуе Сар	4		-
3	60	EVF Protect A	4	4(L-2)	-
	<b>E</b> 50	EVF Back Light C.B.A.		2(L-3), FP952	
	44	LED Holder		2(L-4)	-
4	57	LED Diffusion Sheet		2(L-5)	
4	54	LCD Panel	4		
	276	Protect Plate B			
	274)	EVF Mask			
5	58	Protect Plate A	4		-
6	56	Lens	4	(L-6)	14
0	55	Lens Holder	4		14
7	53	Eye Sight Lever A	4	402	14
8	52	Eye Sight Lever B	4		14
9	59	EVF Protect B	4		-
Â	∱ B	¢ C	∱ D	∱ E	∱ F

### How to read chart shown above:

- A: Order of Procedure steps.
- When reassembling, perform steps(s) in reverse order.
- B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3@ = 3 Screws @, 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."



## SIDE CASE R PORTION & LCD PORTION

STEP No.	Ref. No.	I PART	Section No.	REMOVE	NOTE
1	261)	Front Cover	5	404	19
2	-	LCD Case Ass'y	5	404 , 509	15
3	72	Tripod Frame	6	402	-
∱ A	∱ B	¢ C	∱ D	 ₽ E	 F

### How to read chart shown above:

A: Order of Procedure steps.

When reassembling, perform steps(s) in reverse order. B: Ref No.

- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3 = 3 Screws (1), 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."

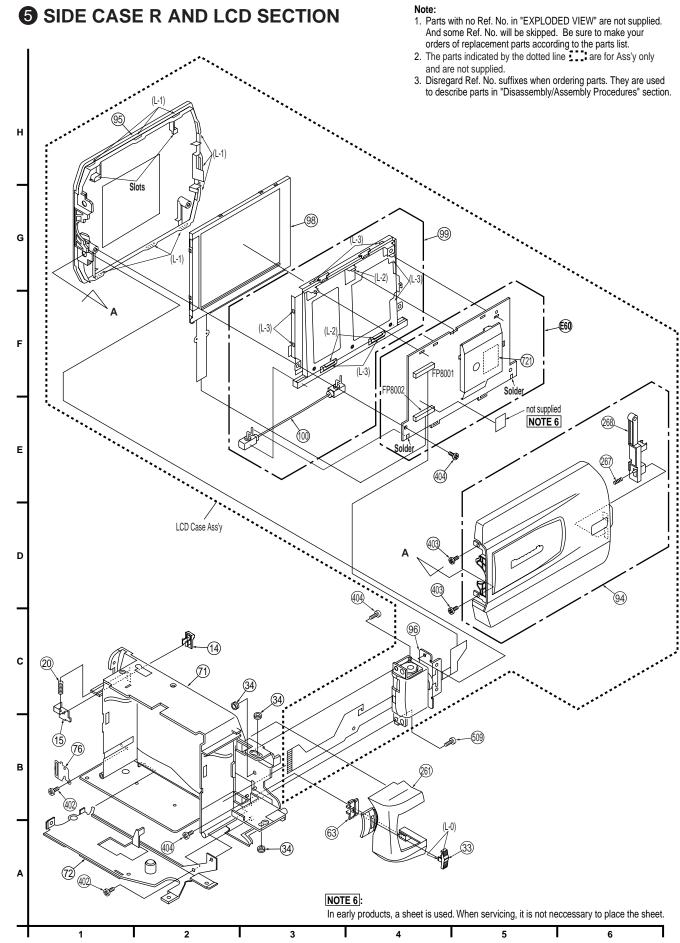
STEP No.	Ref. No.	PART	Section No.	REMOVE	NOTE
1	94)	LCD Cace A Unit	6	2 @3, 9(L-1)	-
2	96	LCD Shaft Unit	5	FP8001	-
3	95	LCD Case B	5	404	16
4	<b>E60</b>	LCD C.B.A.	5	3(L-2), FP8002, Unsolder	17
5	98	LCD Panel Unit	6	8(L-3)	17
6	99	Lead Light Panel Unit	6		17
7	100	Lamp Unit	6	3(L-4), LCD Sheet Unit	18
∱ A	∱ B	¢ C	∱ D	Ê.	∱ F

### How to read chart shown above:

A: Order of Procedure steps.

When reassembling, perform steps(s) in reverse order.

- B: Ref No.
- C: Part to be removed or installed.
- D: Section No.
- E: Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or unsoldered.
  3(4) = 3 Screws (4), 2(L-1) = 2 Looking Tabs (L-1)
- F: Refer to "Notes in chart."



### Notes in chart

1. Removal of Cassette Cover Ass'y CAUTION: Be careful not to apply any pressure to the Garage Unit

of the Mechanism Chassis Ass'y.

- Remove it in the order shown below.
- 1) Open the LCD.
- 2) Slide the EJECT Switch with the power supplied. Note:

If it doesn't, eject manually. Refer to "METHOD FOR EJECTING WITH POWER OFF."

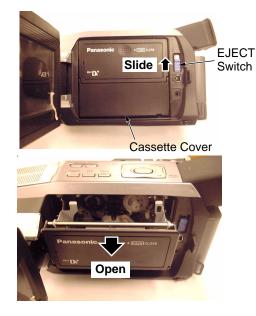


Fig. D2-1

 Push the Cassette Cover to release the Locking Tab (L-1a) as shown.

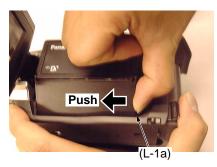
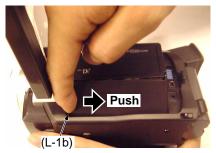


Fig. D2-2

4) Push the Cassette Cover to release the Locking Tab (L-1b).



5) Push the both side of the Cassette Cover to release the Locking Tabs (L-1c) and (L-1d) from the slots of the Side Case R.

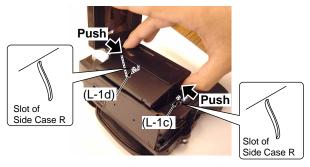


Fig. D2-4

6) Open the Cassette Cover as shown.

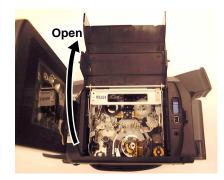


Fig. D2-5

 Pinch and pull the Cassette Cover to release the Locking Tab (L-1e) while holding the Garage Unit carefully as shown. Then, release the Locking Tab (L-1f).

CAUTION: Do not break the Cassette Cover.

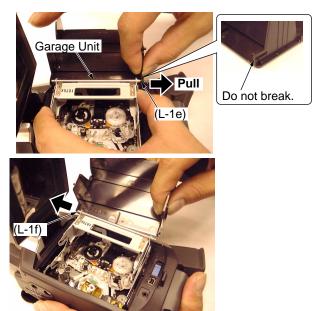


Fig. D2-6

Fig. D2-3

### Installation of Cassette Cover Ass'y CAUTION: Be careful not to apply any pressure to the

# Be careful not to apply any pressure to the Garage Unit of the Mechanism Chassis Ass'y.

Install it in the order shown below.

 Set the Locking Tabs (L-1f). Then, pinch and pull the Cassette Cover to set the Locking Tab (L-1e) while holding the Garage Unit carefully. Then, put the Cassette Cover on the Mechanism Chassis Ass'y.
 CAUTION:

Do not break the Cassette Cover.

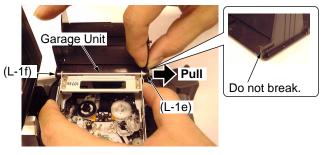


Fig. D2-7

 Push the both side of the Cassette Cover to set the Locking Tabs (L-1c) and (L-1d) to slots of the Side Case R.

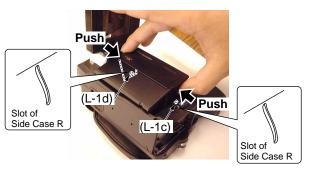


Fig. D2-8

3) Push down the upper portion of the Cassette Cover to close as shown.





4) Push down the lower portion of the Cassette Cover to set Locking Tabs (L-1a) and (L-1b).



Fig. D2-10

### 2. Removal of Side Case L Unit

Take care not to damage the F.P.C.s or the Speaker Cable. 1) After removing the 6 Screws (404-1), release the Portion

- A of the Side Case L Unit at first. Then, release the Phone Jack of the Rear C.B.A.
- 2) Disconnect the Speaker Cable and the F.P.C.s from the Connectors P1, FP6 and FP9.

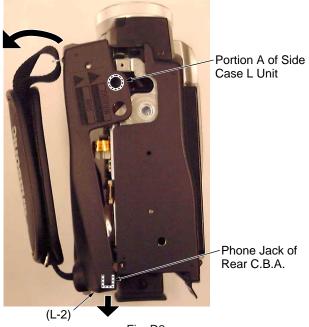
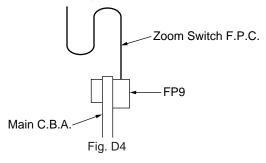


Fig. D3 Installation of Zoom Switch F.P.C. of Side Case L Unit When connecting the Zoom Switch F.P.C. to the Connector FP9 on the Main C.B.A., make it as shown.



### 3. Removal of Speaker

- 1) Open the Hand Strap and release it from the hole of the Strap Angle front.
- 2) Remove the Screw (404-2).
- 3) Remove the Strap Angle front and the Speaker Angle. Then, remove the Speaker.

### Hand Strap



Fig. D5

### 4. Installation of Main C.B.A.

Take care not to damage the Flexible Cables.

- Connect the Flexible Cables to the connectors on the Main C.B.A, verifying that the direction of the Flexible Cables is correct. Refer to "REMOVAL/INSTALLATION OF F.P.C. FROM NON ZIF (Zero Insertion Force) CONNECTOR."
- 5. **Removal/Installation of Rear C.B.A.** When removing/installing the Rear C.B.A., raise the EVF Ass'y.

### 6. Installation of Lens Ass'y

Install the Lens Ass'y so that the IR Lever is set to the Magic VU Knob Holder.

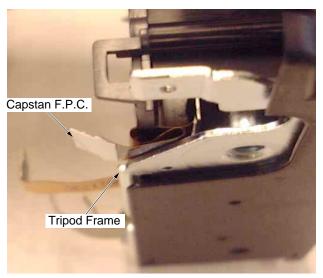


Fig. D6

- Removal of Top Case & EVF Ass'y To remove the Screw (404-6), raise the EVF Ass'y. Installation of Top Case & EVF Ass'y Secure the Rib of the Top Case & EVF Ass'y to the Side Case R Ass'y.
- Replacement of Mechanism Chassis Ass'y When replacing the Mechanism Chassis Ass'y, be sure to perform the Envelope Output Adjustment. Refer to "ENVELOPE OUTPUT ADJUSTMENT" in MECHANICAL ADJUSTMENT.

### Installation of Mechanism Chassis Ass'y

When installing the Mechanism Chassis Ass'y, be sure to make the Capstan F.P.C. between the Mechanism Chasis Ass'y and the Tripod Frame as shown.



### 9. Replacement of Lamp

When replacing the Lamp, refer to "HOW TO REPLACE THE LAMP (LSLL0028) OF BUILT-IN LIGHT" in SERVICE NOTES.

### DANGER:

Use only replacement Lamp (PART NO. LSLL0028) supplied by Panasonic to reduce risk of fire. Handle new Lamp with cloth or tissue as skin oils decrease Lamp life.

Remove Light Protector and allow Lamp to cool before replacing to avoid possible burn hazard.

### 10. Removal of CCD C.B.A., Filter Rubber, Optical Filter CAUTION:

- 1) When removing the CCD C.B.A., take care that the Optical Filter does not fall out.
- Take extreme caution when removing the CCD C.B.A. because it is easily damaged by static electricity. Use a Wrist Strap while removing and installing.

### Do not touch the CCD window surface when handling. Installation of CCD C.B.A., Filter Rubber, Optical Filter Install in order shown below.

- Install the Optical Filter correctly. Note: Make sure that no dust gets on the Optical Filter and in the Lens Unit. Clean it with lens cleaning paper dampened with lens cleaner if necessary.
- Install the Filter Rubber on the Optical Filter correctly as shown below.
   Note: Make sure that no dust gets on the Filter Rubber.
- Install the CCD C.B.A. to the Lens Unit. Then, secure the 2 Screws (422) while keeping the CCD C.B.A. pressed toward the upper right corner.
   Note: Do not touch the Lens Surface. Clean their surface with lens cleaning paper dampened with lens cleaner if necessary.

### 11. Installation of Zoom Motor Unit

Install the Zoom Motor Unit so that the Shaft of the Zoom Motor Unit is set in the Holder. Then, tighten the 3 Screws (507).

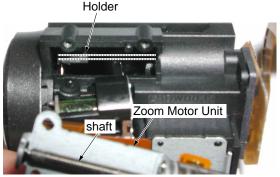


Fig. D8

Fig. D7

### 12. Installation of EVF Unit

1) Secure the 3 Locking Tabs (L-1) on the Top Case Unit.

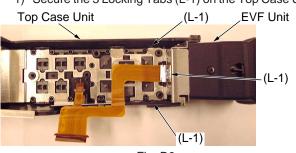


Fig. D9

### 13. Removal of EVF Case Ass'y

Work carefully so as not to damage the Top F.P.C. in the EVF Case Ass'y.

- 1) Remove the Screw (402).
- 2) Pull off the EVF Case Ass'y with grasping the Eye Cap carefully.

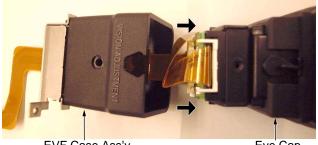


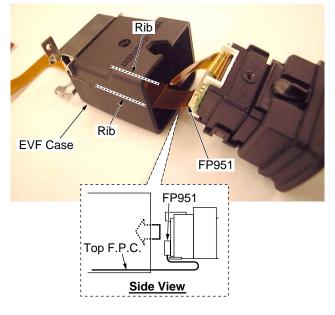
Fig. D10

EVF Case Ass'y

Eye Cap

### Installation of EVF Case Ass'y

- 1) Confirm that the Top F.P.C. is set to ribs in the EVF Case.
- 2) Connect the Top F.P.C. to the Connector FP951 on the EVF Back Light C.B.A.
- Install into the EVF Case Ass'y with bending the Top F.P.C. as shown.



# 14. Installation of Lens Holder, Eye Sight Lever A, Eye Sight Lever B

- 1) Install the Eye Sight Levers A and B into the EVF Protect B taking care that Portion "a" of the Eye Sight Lever A is installed in the correct direction as shown. Then, tighten the Screw (402).
- 2) Install the Lens Holder so that the boss of the Lens Holder is set to Portion "a" of the Eye Sight Lever A.

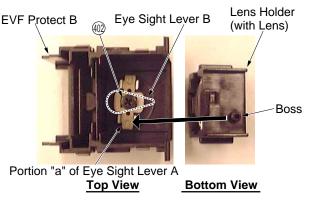


Fig. D12

### 15. Installation of LCD Case Ass'y

Work carefully so as not to damage the F.P.C.

- 1) Put the LCD F.P.C. through the slot of the Side Case R.
- To tighten 2 Screws (404, 509), close the LCD Case Ass'y, or turn it to the right or left.
- Confirm that the LCD F.P.C. is set with 2 Bosses on the Side Case R as shown.

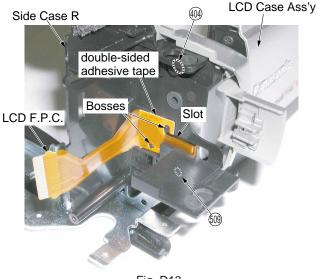
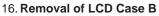
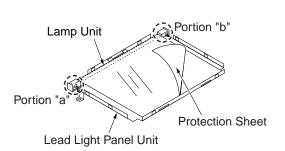


Fig. D13

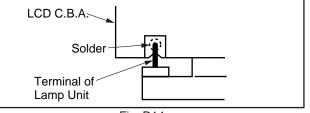


When removing the LCD Case B, pull the LCD Unit out of the slots while raising the lower portion of the LCD Unit. 17. Installation of LCD Panel Unit, Lead Light Panel Unit

- a. When replacing the Lead Light Panel Unit, make sure to remove the Protection Sheet as shown below.
- b. Use extreme care when handling the Lead Light Panel Unit and the LCD Panel Unit to avoid damage, dust, and spots (especially fingerprints, etc.). The use of clean cotton gloves is highly recommended.
- c. Be careful not to apply any pressure to Portion "a" or "b" of the Lamp Unit as shown below.

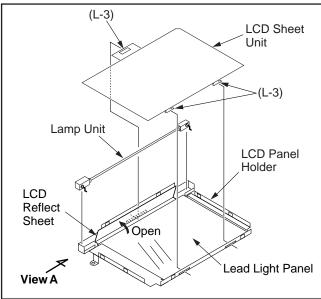


d. After replacing the Lead Light Panel Unit, confirm that the Terminal of the Lamp Unit is soldered correctly as shown below.

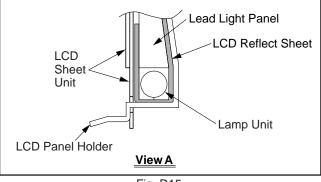




### 18. Installation of Lamp Unit

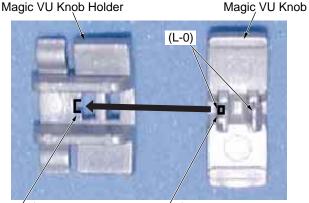


- a. When installing the Lamp Unit, confirm that the Lamp Unit is positioned as shown below.
- b. Use extreme caution when handling the Lead Light Panel and the LCD Sheet Unit to avoid damage, dust, and spots (especially fingerprints, etc.).





19. Installation of Magic VU Knob Holder, Magic VU Knob Install them into the Front Cover, verifying that the direction of the Magic VU Knob Holder and the Magic VU Knob are correct.





protrudence

Fig. D16