作成承認印	配布許可印
ニコンカメラサービス㈱ GM	サービス課 MI

Nikon F50 FAA29051

F50D FAA29251

F50DP FAA29351

N50 FAA29151

REPAIR MANUAL

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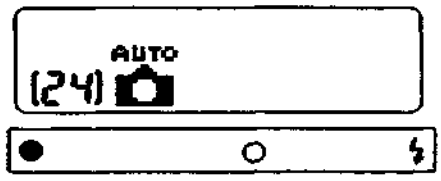
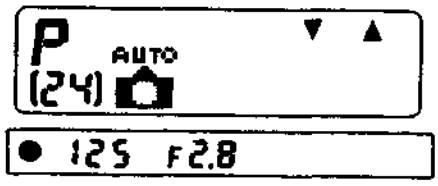


(1) Set/adjust buttons are invalid. Press the menu button to display the menu.
(2) In-focus indicator (·), correct exposure indicator (o), and flash ready-light (ϟ) indicator appear in the viewfinder.
(3) No change of shutter speed/aperture combination is available.
(4) No shutter speed and aperture values are displayed in the LCD panel.
(5) Basically no shutter speed and aperture values appear in the viewfinder. However, this becomes possible by optional setting. In this case, no exposure indicator (o) appears.
• Optional setting
With the following operations, shutter speed and aperture values can be displayed in the viewfinder.
I. Change the shooting mode to SIMPLE mode.
II. Turn the power switch OFF.
III. Turn the power switch ON while holding down the menu button.
IV. Now it is possible to display shutter speed and aperture values.
V. Repeat the above operations to go back to the original mode.

Note:
In the SIMPLE mode, only necessary indicators are displayed in the viewfinder for easy shooting for all users. As a result, no shutter speed and aperture values are displayed. But, we have incorporated an optional function for easy checking at production and service sections . This function is confidential, except for users who really want to display those values in the viewfinder.

Advanced mode

1. General-purpose program mode in programmed auto exposure mode

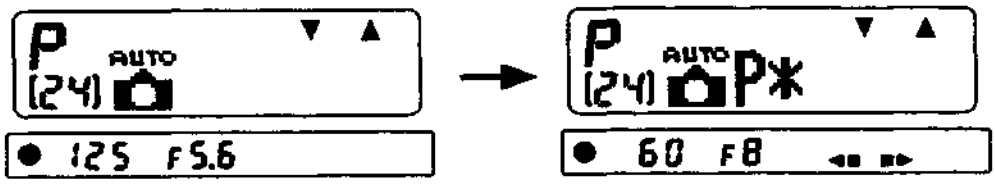


(1) It is possible to choose the combination of shutter speed and aperture for a correct exposure with the set/adjust button corresponding to the up (Δ) and down (∇ marks . Other buttons are invalid.
(2) When using a flash, the up (Δ) and down (∇) marks disappear and the change of a combination of shutter speed/aperture is not possible. (No up (Δ) and down (∇) marks appear.)
(3) Press the menu button to return to the menu.
(4) Shutter speed and aperture values are displayed in the viewfinder.
(5) Shutter speed and aperture values are displayed in the LCD panel.

Change of a combination of shutter speed/aperture

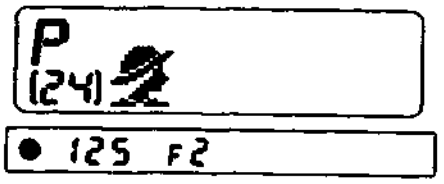
(1) Exposure mode to change the combination of shutter speed/aperture.
• This is only possible in programmed auto exposure mode in advanced shooting mode with no flash.
• Change of a combination of shutter speed/aperture is not possible when using flash. Although choosing an optional mode to display both shutter speed and aperture values in simple mode, the change of a combination of shutter speed/aperture is not possible. (No up (Δ) and down (∇ marks appear.)
(2) Display of the change of a combination of shutter speed/aperture

(Before setting) (After setting)



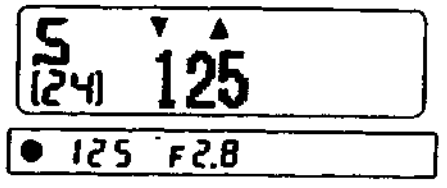
(3) Setting the change of a combination of shutter speed/aperture
• Press the down (∇) button to change the aperture value in 1/2 steps to the open aperture side, and press the up (Δ) button to change the aperture value in 1/2 steps to the minimum aperture side.
• Continue to press the button to advance the value quickly in 1/2 EV steps at 2Hz.

2. Other program modes (common to other seven modes) in programmed auto exposure mode



(1) Set/adjust buttons are invalid. Press the menu button to display the exposure mode menu.
(2) Shutter speed and aperture values are displayed in the viewfinder.
(3) No shutter speed and aperture values are displayed in the LCD panel.

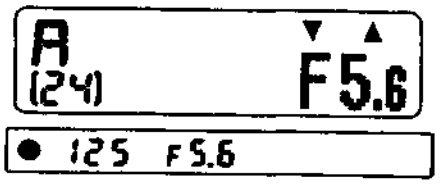
3. Shutter-priority auto exposure mode (S)



(1) Press the set/adjust button corresponding to the up (Δ) and (∇) down marks to set the shutter speed. No other buttons are invalid.
(2) Press the menu button to go to the exposure mode menu.
(3) Shutter speed and aperture values are displayed in the viewfinder.
(4) Shutter speed values only are displayed in the LCD panel.
(5) Set the shutter speed values and displays in 1/2 steps.
(6) To set the shutter speed continue to press the set/adjust button for more than 1 second to advance the value quickly in 1/2 steps at 2Hz.
(7) Shutter speeds ranging from 1/2000 sec. to 30 sec can be set.
(8) Setting is possible up to the fastest speed of 1/2000 sec. and down to the slowest speed, of 30 sec. Once either 1/2000 or 30 sec has been reached, you must press the opposite arrow to change the speed setting.

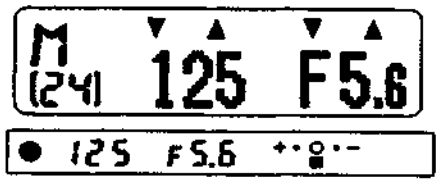
4. Aperture-priority auto exposure mode (A)

• Set and display the aperture values from the camera body side. Accordingly do not turn the lens aperture ring. (Always set the lens aperture ring to the minimum.)



(1) Press the set/adjust button corresponding to the up ( ) and () down marks to set the shutter speed. No other buttons are valid.
(2) Press the menu button to go to the exposure mode menu.
(3) Shutter speed and aperture values are displayed in the viewfinder.
(4) Shutter speed values only are displayed in the LCD panel.
(5) Set the shutter speed values and displays in 1/2 steps. But set wide open aperture values by 1/6 step increments.
(6) To set the shutter speed, continue to press the set/adjust button for more than 1 second to advance the value quickly by 1/2 step at 2Hz.

5. Manual exposure mode

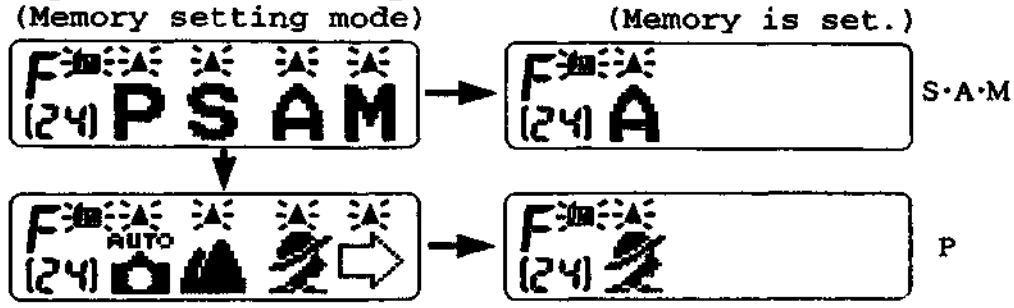


(1) Set the shutter speed and aperture values with the set/adjust button.
(2) Press the menu button to go to the exposure mode menu.
(3) Shutter speed and aperture values are displayed in the viewfinder.
(4) Shutter speed and aperture values are displayed in the LCD panel.
(5) Setting of the shutter speed is the same as that of the shutter-priority auto exposure mode except for the Time setting.
(6) Shutter speed can be set ranging from 1/2000 sec. to 30 sec. and Time setting.
(7) If shutter speed is set to a value slower than 30 sec., it becomes the Time setting.
(8) Setting is possible up to the highest of 1/2000 sec. and the slowest of 30 sec. Shifting continuously from 1/2000 sec. to 30 sec. is not possible.
(9) During shooting in the Time setting, the self-timer LED blinks at 1Hz. The back light in the viewfinder goes out.
(10) Setting of aperture value is the same as with the aperture-priority auto exposure modes.

(11) Exposure indicator

Exposure indicator	ΔEV: difference from the correct exposure value
+·○·-	ΔEV ≥ +1.5
+·○·-	+1.5 > ΔEV ≥ +0.5
+·○·-	+0.5 > ΔEV > -0.5
+·○·-	-0.5 ≥ ΔEV > -1.5
+·○·-	-1.5 ≥ ΔEV

6. Exposure mode memory



(1) Setting memory
1) Select the symbol (M) in the optional-function menu to activate the Memory setting mode.
2) Press the set/adjust button to select the desired exposure mode to be memorized. The symbol (M) blinks.
3) When the exposure mode is selected, the menu displays the exposure mode to be memorized. Press the button above the corresponding symbol, the exposure mode to be set will be memorized in the camera body. The symbol (M) lights up and returns back to the optional-function menu. (M)
4) When the menu button is pressed while exposure modes to be memorized are displayed, the memory setting screen appears. Pressing the menu button while the symbol (M) is blinking returns the LCD panel to the optional-function menu.

(2) Recalling memory
1) In Advanced mode, press the menu button for over 2 seconds, the memorized exposure mode can be recalled in any mode.
2) If no memory function is memorized, the LCD panel returns to the general-purpose program mode in programmed auto exposure mode.
3) Memory recall function is called "Instant Jump".

(3) Clearing memory
1) While memory is set, the symbol (C) appears in place of the symbol (M) in the optional-function menu. Press the button corresponding to the symbol (C). The symbol (M) appears and the memory function is cleared.
2) When the memory is cleared, the LCD panel returns back to the optional-function menu.

7. Selecting AF mode

(1) With the optional-function menu, press the button above AF.
(2) Press the button corresponding to the symbol (S) or (C) for Single servo AF (AF-S) or Continuous servo AF (AF-C).
(3) Press the set/adjust button (S or C) to set the AF mode.
(4) When the menu button is pressed while the AF mode selection menu is displayed, AF mode is set to AF-S mode, and the LCD panel returns to the exposure mode menu.
(5) No AF mode setting menu is displayed.
(6) Set the focus switch at the front of the camera body to M for manual focus mode.
(7) Operation and displays in each AF mode.

	AF-M	AF-S	AF-C
In-focus indicator	O	O	O
Out-of-focus warning	X	O	O
Out of focus shutter release	O	X	X
Focus tracking	X	O	O

(8) When a non-AF lens is mounted, the AF mode is set to AF-M mode regardless of the focus switch position.
(9) When a non-AF lens is mounted and AF mode is set to AF-M, AF-S and AF-C modes can be set but they do not function. When AF operation becomes possible, AF-S/AF-C settings become effective.

8. Setting and confirming film speed

(1) When DX-coded film is loaded:

1) With the optional-function menu, press the set/adjust button corresponding to the ISO. The LCD panel shows the ISO film speed of the loaded DX-coded film.
2) When the mark (Δ) above the ISO blinks and the button corresponding to the mark is pressed, the LCD panel shows the last selected exposure mode menu.
3) When the menu button is pressed while the LCD shows the ISO film speed, the LCD panel shows the exposure mode menu.
4) When using DX-coded film, film speed cannot be set.
5) Film speed range is from ISO 25 to 5000 by 1/3 Sv step.

(2) When non-DX-coded film is loaded:

1) With the optional-function menu, press the set/adjust button corresponding to AF. The ISO setting screen is activated.
2) Press the set/adjust button corresponding to the up ( ) or down ( ) mark to adjust the film speed.
3) Press the button corresponding to the blinking (Δ) mark, the ISO film speed selected can be set. The LCD panel shows the last selected exposure mode menu.
4) When the menu button is pressed while the ISO setting screen is activated, the film speed shown can be set. The LCD panel shows the exposure mode menu.
5) Film speed range is from ISO 6 to 6000 in 1/3 Sv steps.
6) When DX-coded film is loaded, the ISO film speed can be set automatically. When non-DX-coded film is loaded, the ISO setting screen appears again but the last set ISO value is displayed.
7) When non-DX-coded film is loaded, the ISO setting screen automatically appears. Until setting is completed, the shutter button remains locked, and the menu button is deactivated.
8) In item 7) above, when "Instant Jump" and "Instant Reset" are performed, the exposure mode menu to be jumped remains displayed while the button is depressed, but the ISO setting screen appears when the finger is removed from the button.

9. Exposure compensation

(1) With the optional-function menu, press the button corresponding to the (+/-) indication, and the exposure compensation screen appears.
(2) Set the compensation value by pressing the button corresponding to the up ( ) or down ( ) mark.
(3) Press the set/adjust buttons corresponding to the blinking (Δ) mark, the compensation value can be set. The LCD panel shows the last selected exposure mode menu.

(4) When the menu button is pressed while the exposure compensation screen appears, the compensation value returns to ±0.0 and the LCD panel shows the exposure mode menu.

(5) Exposure can be compensated from -5 EV to +5 EV in 1/2 steps.
(6) When exposure is compensated, the (+/-) indication appears in the viewfinder and the LCD panel.
(7) Compensation value can be reset by returning to a ±0.0 value or when instant reset has been activated.
(8) Compensation values can be used in all exposure modes in Advanced mode. (In M mode, compensated exposure value is displayed in the analog indicator.)
(9) When shooting mode is switched over to Simple mode, the compensated exposure values set are neglected.
(10) When using flash, exposure compensation is effective for both background (AE exposure) and the main subject (exposure by TTL).

10. Instant reset

- Press the menu button and the self-timer button all together for over 2 seconds to carry out instant reset. The details of the instant reset is described as follows.

(1) In Simple mode:
The LCD panel returns to the general-purpose program mode in the programmed auto exposure mode.
(2) In Advanced mode:
Except when using non-DX-coded film, settings in the optional-function mode are returned to the basic settings, and the LCD panel returns to the general-purpose program mode in the programmed auto exposure mode.
*The basic settings in the optional-function mode:
No exposure memory is set, AF mode is set to S, exposure compensation is set to ±0.0, and a change in a combination of shutter speed/aperture is released.

11. Self-timer operation

(1) Press the self-timer button then the self-timer indicator appears in the LCD panel.
(2) Self-timer mode cannot be activated when the self-timer button is pressed while the exposure mode menu or optional-function mode screen appears in the LCD panel.
(3) Press the shutter release button to start the self-timer operation while the self-timer indicator appears in the LCD panel.
(4) Press the menu button while the self-timer indicator appears in the LCD panel or the self-timer operation is being started to cancel the self-timer. The LCD panel returns to the last selected exposure mode menu.
(5) Self-timer duration is approx. 10 seconds during which the self-timer indicator in the LCD panel and the self-timer LED blinks. The self-timer LED blinks at 2Hz for the first 8 seconds and lights for the remaining 2 seconds.

(6) Exposure mode for the self-timer operation is the last exposure mode immediately before the self-timer button is pressed.
(7) After the shot, the exposure mode returns to that which preceded the self-timer shot.
(8) During the self-timer operation, the viewfinder display is activated.
(9) When the shutter release button is pressed slightly during self-timer operation, AF operation is activated.

12. AE lock

(1) Lock system
1) While the AE-L button is depressed, the BV value is locked at the time when the AE-L button is pressed. Remove the finger from the button to release the lock.
2) Exposure metering system is the same as if the AE-L button was not pressed.
3) The AE-L button is effective in all exposure modes. In M mode, the analog indicator appears based on the BV value.
4) When using flash, AE is locked against the bright background.
5) As AE is locked at the time when the self-timer is activated, no effect is observed when the AE-L button is pressed.

(2) AE lock specifications
1) In the AE lock , only the BV value is locked. Other operations perform normally.
2) If exposure mode, shutter speed, aperture, shutter speed/aperture combination, film speed, or exposure compensation are changed, the indications and controls based on the locked BV value are carried out.
3) When the wide open aperture value changes due to zooming operation, the indications and controls based on the locked BV value are carried out for the changed aperture value, except in the following cases.
• when the aperture value is at the minimum or maximum limit.
• when the program chart varies due to the change of focusing distance or wide open aperture value.
4) When the shutter speed is changed to X by using the flash while the AE-L button is pressed, the indications and controls are carried out by calculating the aperture value from the changed shutter speed and BV value.
5) When the camera enters in a warning state while AE is locked, the warning operation has priority. But the BV value is kept stored. When the warning is released, the indications and controls are carried out based on the BV value at the time when the AE was locked.
6) If self-timer operation is activated while the AE is locked, self-timer operation works based on the locked BV value.
7) If the AE-L button is pressed when the power switch is OFF or shutter pre-release timer is OFF, the BV value is locked when the shutter pre-release timer is turned ON.

13. Shutter pre-release timer

(1) Activating the shutter pre-release timer

1) While the power switch is turned ON, the shutter pre-release timer functions when:
   - The shutter pre-release switch is ON.
   - The menu button is ON.
   - The elf-timer button is ON.
   - The camera back is closed.
   - The camera back is opened.
   - The battery is replaced.

(2) Upgrading the shutter pre-release timer

1) The shutter pre-release timer is upgraded when:
   - The shutter pre-release switch is ON.
   - The menu button and set/adjust button are pressed.
   - The built-in flash pops up.

2) The shutter pre-release timer does not turn OFF when:
   - The self-timer is activated.
   - The AE-L button is pressed.

14. Frame counter

(1) Frame counter indications:
E and 1 to 99.

(2) The frame counter counts up to 99 and stays there.

(3) The frame counter counts down to E. When an error occurs during film rewinding, no E sign appears in the LCD panel.

(4) Frame counter reset
Frame counter is reset to E when:

1) Camera back is opened disregarding whether the power is turned ON or OFF.
2) Camera back is closed disregarding whether the power is turned ON or OFF.
3) Film rewind operation is completed.

(5) Memory of frame counter
The contents of the frame counter are stored in the memory in the camera body and remain in memory when the battery is replaced.

Warning indication

- Warning indication screen, possible warning indication screen, operation with warning indication, reason for warning, method of releasing warning indication.
- Two warning indications are displayed both in the LCD panel and the viewfinder. One warning indication only is displayed in either the LCD panel or the viewfinder.
- If more than two warning indications are to be displayed, lower numbered warning indications have priority. But warning indications from (1) to (12) cannot be displayed more than two at a time.
- [Shaded portion]: Blinking portion.

(1) Battery is exhausted.

Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	With warning indication	With warning indication	With warning indication	With warning indication	With warning indication	With warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	X	X	X	X	X

Reason for the warning indication	Battery is exhausted.
Method of releasing the warning indication	Replace the battery.

* This indication appears when the battery voltage drops lower than battery check level 2 stored in the EEPROM.

(2) Film rewind completion

Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication	With warning indication	

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	X	X	X	X

Reason for the warning indication	Film rewind is complete.
Method of releasing the warning indication	Open the camera back.

* This indication appears when the film is rewound completely. This indication is kept remained until the camera back is open even when the power is turned OFF or the shutter pre-release timer is turned OFF, when the power is turned ON again.

(3) Film is being rewound.

Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication	With warning indication	

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	X	X	X	X

Reason for the warning indication	Film is being rewound.
Method of releasing the warning indication	Automatically released when the film rewind is completed.

* This indication appears during film rewind. The indication is released when the film rewind operation is canceled.

(4) Sequence error

Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication	With warning indication	

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	X	X	X	X

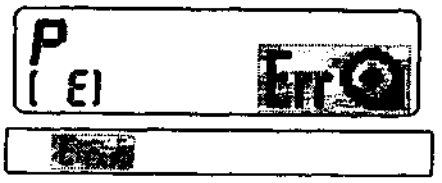
Reason for the warning indication	Sequence error occurs.
Method of releasing the warning indication	Turn the power switch OFF and ON.

* This indication appears when the X contact does not turn ON during shutter release sequence operation. This means that some trouble occurs in the most previous shooting. Turn the power switch OFF and ON again to release the warning indication. Error recovery control is carried out if necessary.

Error recovery control
(1) One frame advances disregarding whether the shutter release switch is ON or OFF in the following cases.
- X contact is ON when the shutter pre-release timer is turned ON.
- The previous shutter releases interruption operation is still memorized.
- Sequence error occurrence (X contact does not turn ON, aperture pulse numbers do not reach the specified numbers) is memorized.

(2) If the previous film rewind interruption operation is memorized when the shutter pre-release timer is turned ON, film rewind operation starts whether or not the mid-roll rewind button is pressed.

(5) Automatic film loading error



Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication	With warning indication	

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	X	X	X	X

Reason for the warning indication	Malfunction in automatic film loading
Method of releasing the warning indication	Open the camera back (Rewind the film before opening the camera back if necessary.)

* This indication appears when more than 3 and less than 32 sprocket pulses are emitted during automatic film loading. This indication remains until the camera back is open even when the power is turned OFF, and ON again.

(6) Film rewind error

Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication	With warning indication	

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	X	X	X	X

Reason for the warning indication	Film rewind error has occurred.
Method of releasing the warning indication	Replace the battery, or open the camera back.

* Film rewind operation will be completed when the sprocket pulse output interval becomes 2.5 seconds when the sprocket pulse is detected during rewinding film. In this case, if the frame counter shows "1", the operation is completed normally. If the frame counter shows "2" or more, film rewind error occurs. This indication appears when the film rewind operation becomes impossible due to exhausted battery power during film rewind. As this phenomenon is stored in memory, the film rewind operation continues through the error recovery control even when the battery is replaced. When the film rewind operation has been completed normally through the error recovery control, the warning indication is released.
When the camera back is open, the warning indication is released unconditionally.
As a special case, when the battery is removed and installed again during film rewind, the frame counter does not count down to 1, and the warning indication appears even though the film rewind operation is completed. Furthermore in this case, the warning indication cannot be released even if the power switch is turned ON or OFF to activate error recovery control because of the completion of the film rewind operation. Open the camera back to release the warning indication.

(7) Loading non-DX-coded film in Simple mode

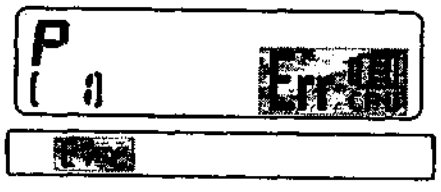
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		No warning indication	No warning indication	No warning indication	No warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	X	X	X	X

Reason for the warning indication	Non-DX-coded film is loaded in Simple mode.
Method of releasing the warning indication	Replace the film with a DX-coded film. Change the Simple/Advance dial to Advance mode.

* Non-DX-coded film cannot be used in Simple mode. Change the Simple/Advance dial to Advance mode.
This warning indication appears when DX codes cannot be read due to poor DX contacts or when the wrong codes are read.

(8) Non-CPU lens is mounted or no lens is mounted. (In other than M mode)



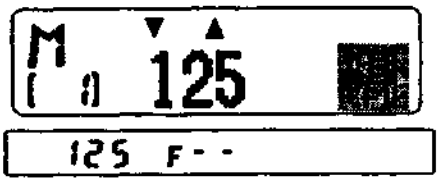
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication		No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	X	O	X	X	X

Reason for the warning indication	Communication between the camera and the lens is impossible.
Method of releasing the warning indication	Use in M mode. Use a lens with CPU.

* This warning indication appears when no communication is made between the camera and the lens. Shutter can be released in M mode.

(9) Non-CPU lens is mounted, or no lens is mounted. (In M mode)



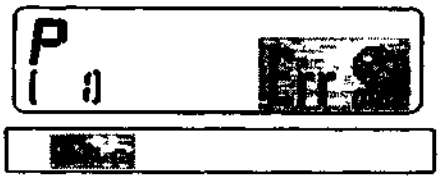
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
					With warning indica-tion	No warning indica-tion

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	X	O	O	X	O

Reason for the warning indication	Communication between the camera and the lens is impossible.
Method of releasing the warning indication	Use a lens with CPU.

* This warning indication appears when communication between the camera and the lens is impossible. This indicates that AE does not function, although it works in M mode. Use the lens aperture ring to adjust the aperture.

(10) Minimum aperture reset error



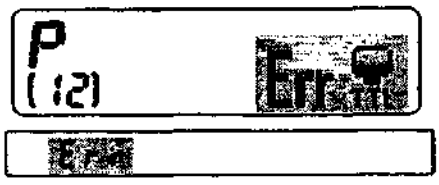
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indica-tion	No warning indica-tion	With warning indica-tion	With warning indica-tion	With warning indica-tion	With warning indica-tion	No warning indica-tion

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	O	O	X	X	X

Reason for the warning indication	Lens aperture ring is not set to the minimum aperture.
Method of releasing the warning indication	Set the lens aperture ring to the minimum aperture.

* Make sure to set the lens aperture ring to the minimum aperture since the camera body has no aperture coupling ring. When a non-CPU lens is mounted, no communication between the body and the lens is possible, and no warning indication appears.

(11) External flash is not set to TTL mode.



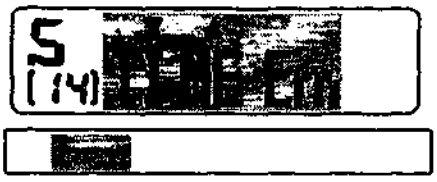
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	No warning indication	With warning indication	With warning indication	No warning indication	No warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	0	O	X	X	X

Reason for the warning indication	Flash is not set to TTL mode when the exposure mode is set to P or S.
Method of releasing the warning indication	Set the exposure mode to A or M mode. Set the flash to TTL mode.

* When the camera's exposure mode is set to P or S mode, an external flash cannot be used unless it is set to TTL mode. This is because the flash's aperture value must be identical with the camera's aperture value when using an external flash. As there is no communication capability between the camera body and the external flash, it is impossible have corresponding aperture values.
In A and M mode, it is possible for the user to read the flash's aperture value and set the camera's aperture accordingly.
When the external flash is set to TTL mode and the built-in flash is used, there appears no warning indication because of the TTL flash mode.

(12) Time warning indication in S mode



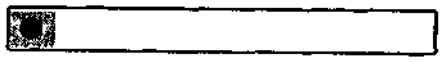
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
			With warning indication			No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	0	0	0	X	X

Reason for the warning indication	Shutter speed is set to Time in S mode.
Method of releasing the warning indication	Change the shutter speed.

* This warning indication appears when the shutter speed is set to Time in M mode and changed to S mode while shutter speed remained set to Time. In S mode, if the shutter speed is determined first, the aperture value cannot be set, and the warning indication appears. Change the shutter speed to release the warning indication.

(13) AF does not work correctly.



Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	With warning indication	With warning indication	With warning indication	With warning indication	With warning indication	With warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
X	0	0	0	0	0

Reason for the warning indication	Focusing is impossible in AF mode.
Method of releasing the warning indication	Use manual focus mode. Focus on another subject.

* This warning indicator appears when focusing is impossible in AF mode. In manual focus, no warning indicator appears even when no subject is detected. Normally, the shutter is locked when this warning indicator appears. But the shutter is not locked in self-timer mode only. This warning indicator appears in combination with all other warning indicators in AF mode.

(14) No film is loaded.

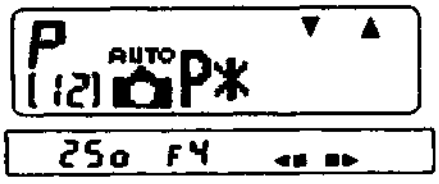
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	With warning indication	With warning indication	With warning indication	With warning indication	With warning indication	With warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
0	0	0	0	0	0

Reason for the warning indication	Film is not yet loaded.
Method of releasing the warning indication	Load the film.

* When this warning indicator appears after the film is loaded automatically, the letter "E" appears in the frame counter. Nothing is affected for other displays and functions.

(15) Changing the combination of shutter speed/aperture



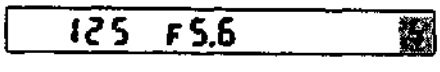
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
		With warning indication				

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	X

Reason for the warning indication	The change in shutter speed/aperture is set.
Method of releasing the warning indication	Release this setting.

* In Advance mode, this warning indicator appears when you change the combination of shutter speed/aperture in the General-purpose program mode.

(16) Flash fires at full output



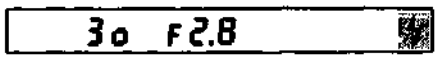
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication		With warning indication	With warning indication	With warning indication	With warning indication	

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	O

Reason for the warning indication	Flash fires at full output. The picture is might be underexposed.
Method of releasing the warning indication	Automatically released in 3 to 4 seconds.

* When the flash fires at full output, the flash ready-light indicator ( ) blinks in the viewfinder in 3 to 4 seconds after shutter is released.

(17) Flash fires at full output



Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	No warning indication	With warning indication	With warning indication	With warning indication	With warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	O

Reason for the warning indication	Flash use is recommended due to poor light.
Method of releasing the warning indication	Use flash. Target the camera toward a bright subject.

* This warning indication appears when metering value satisfies the condition of the following equation. No warning indication appears in silhouette mode.

BVM (mean metering value) + SV < 10

(18) Insufficient battery power warning

Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen

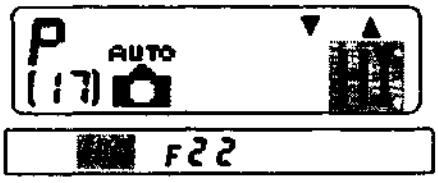
With warning indication	No warning indication	With warning indication	With warning indication	With warning indication	No warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	O

Reason for the warning indication	Battery power is insufficient.
Method of releasing the warning indication	Replace the battery.

* This warning indication appears when the battery voltage drops below battery check level 1 stored in the EEPROM.. When the voltage has recovered, the warning indication disappears. No warning indication appears in manual exposure and in the option screen.

(19) Possibility overexposure



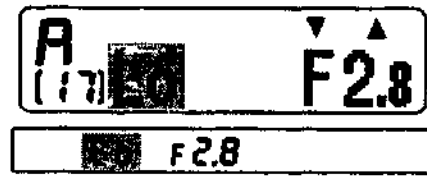
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	No warning indication	With warning indication	With warning indication	With warning indication	No warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	O

Reason for the warning indication	Subject is too bright exceeding the shutter speed/aperture combination range.
Method of releasing the warning indication	Use a slow-speed film. Use a Nikon ND filter. Choose another subject.

* This warning indication appears when the controlled EV value exceeds the upper range of the combination of shutter speed/aperture. In manual exposure mode, the analog indicator appears in the viewfinder with no warning indication.
No warning indication appears when the controlled EV value is within the range of the combination of shutter speed/aperture, even though out of the metering range. The controlled EV value is determined as close to the correct exposure value as possible. But the possibility of error becomes greater and correct exposure value is not guaranteed.

(20) Possibility underexposure



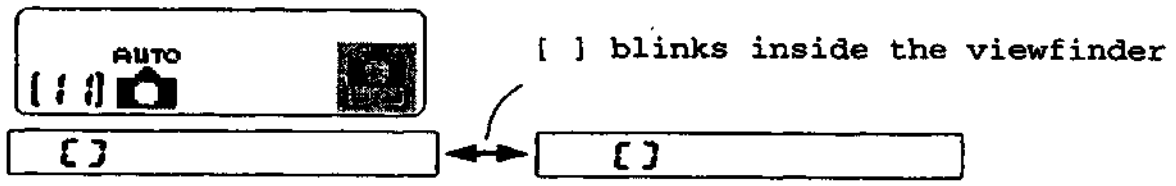
Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	No warning indication	With warning indication	With warning indication	With warning indication	No warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	O

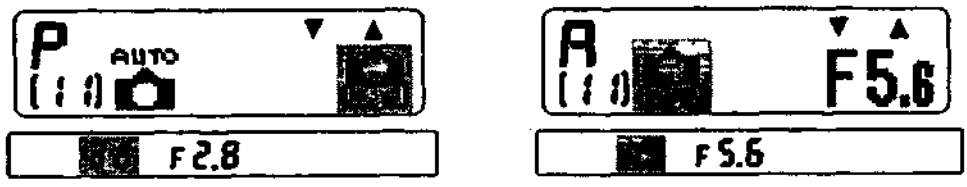
Reason for the warning indication	Subject is too dark exceeding the shutter speed/aperture combination range.
Method of releasing the warning indication	Use flash. Use a high-speed film. Choose another subject.

* This warning indication appears when the controlled EV value exceeds the lowest range of the combination of shutter speed/aperture. In manual exposure mode, the analog indicator appears in the viewfinder with no warning indication.
No warning indication appears when the controlled EV value is within the range of the combination of shutter speed/aperture, even though out of the metering range. The controlled EV value is determined as close to the correct exposure value as possible. But the possibility of error becomes greater and correct exposure value is not guaranteed.

(21) Camera shake
• Simple mode



• Advanced mode



Simple mode		Advanced mode				
Active screen	Option screen	P	S	A	M	Option screen
With warning indication	No warning indication	With warning indication	No warning indication	With warning indication	No warning indication	No warning indication

Shutter release	AF operation	Setting operation			
		Menu button	Shutter speed	Aperture	Self-timer
O	O	O	O	O	O

Reason for the warning indication	Camera shake may occur.
Method of releasing the warning indication	Use flash. Change the subject.

* This warning indicator appears when the shutter speed satisfies the following conditions. In shutter-priority auto or M exposure mode, no warning indication appears since the shutter speed is set by the user himself. Indications in the viewfinder differ depending on whether Simple mode or Advanced mode are in use.
(1) Shutter speed is slower than 1/30 sec.
(2) Shutter speed is between 1/30 sec. and 1/500 sec., and slower than 1/f sec.
(3) Decision is made not on the controlled value but on the displayed value.

作成承認印	配布許可印
ニコンカメラサービス部 GM	

Nikon F50 FAA29051

F50D FAA29251

N50 FAA29151

REPAIR MANUAL

修　理　指　針

Nikon | NIKON CORPORATION
Tokyo, Japan

Printed in Japan January

DISASSEMBLING

1. Separating the front body and the rear body

2. FRONT BODY

3. REAR BODY

Inspection standard

● **Set the output voltage to 5.6V and use a 0.8Ω resistor when using a DC regulated power supply.**

Inspection item	Standard	Remarks
Shutter accuracy		Exposure mode: M, S
(1) Allowance	1／2000 to 1／1500 sec.: ±0.45 SV 1／1000 to 1／180 sec.: ±0.3 SV 1／125 sec.: 0 to +0.3 SV 1／90 to 30 sec.: ±0.3 SV	Shutter tester (EF-8000)
(2) Difference	1／2000 to 1／180 sec.: within 0.45 SV 1／125 to 30 sec.: within 0.3 SV	
(3) Shutter curtain	No bounce is detected.	
Exposure accuracy		Exposure mode: P, A, S
(1) Allowance	1／2000 to 1／125 sec.: ±0.65 EV 1／90 to 30 sec.: ±0.5 EV	Shutter tester (EF-8000)
(2) Difference	Within 0.5 EV	
Aperture control accuracy	LV12 (ISO100)、1／60	Exposure mode: S
(1) Allowance	f／5.6: ±0.5 AV Other aperture: ±0.65 AV	Shutter tester (EF-8000)
(2) Difference	Within 0.5 AV	
AF adjustment accuracy		Personal computer and other dedicated tools
(1) Yaw	± 6 mrad	
(2) Pitch	± 6 mrad	
(3) Z	±50 μm	
Height of aperture lever	3.4 ±0.1mm	J18004
Main mirror 45°	Adjustment of infinity: ±0.05mm Horizontal: ±20′ Distortion: ±8′	J18010 J19002, J18197, J18196 Optical parallel Hexagonal key
Sub mirror 45°	Horizontal: ±20′ Distortion: ±8′	
M. B. F.	Standard: 46.67±0.03mm Parallel: Within 0.03mm	J18001 Dial gauge
Battery check voltage		Use a DC regulated power supply with no resistor.
(1) First level	4．9 V	
(2) Second level	4．7 V	

	than one second): Less than 400mA•sec.

DISASSEMBLING

Notes:

① In the assembling and disassembling sections of this manual, we took an initially produced bodies as a model to explain wiring, Wiring are subject to change depending on the period of production and may not conform with the current products. Refer to the actual model.

② As for addition and modification of parts, refer to the Technical Information bulletins already issued.

③ Be sure to remove batteries befor disassembling.

④ When disassembling, pay attention to the arrangement and mounting positions and types of screw to be removed.

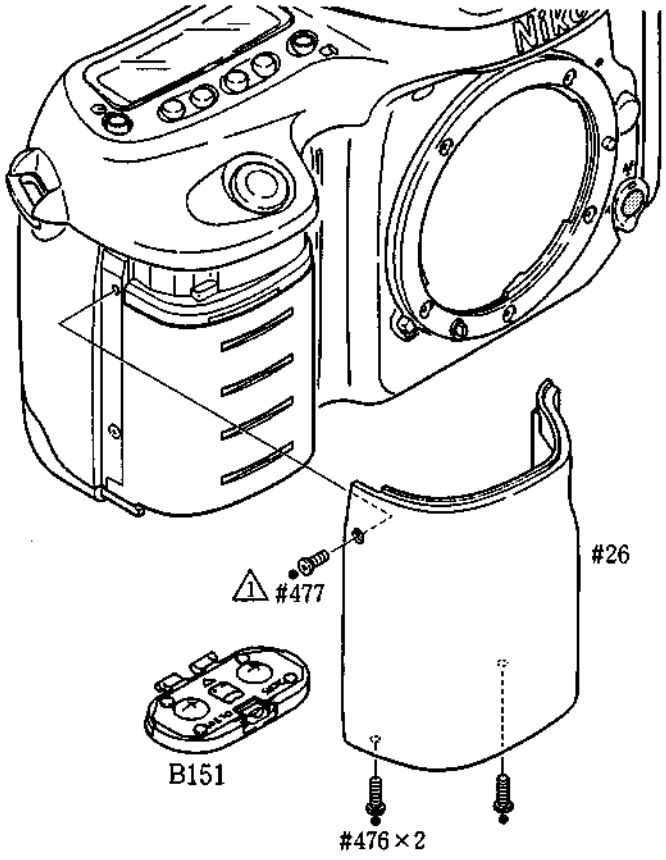
⑤ Be sure you are grounded when holding FPC because static electricity exerts serious adverse effects on ICs.

⑥ The " ● " mark on the screws indicates they tap-tight screws.

⑦ When you disassemble the camera body further than described in the disassembling section, refer to the exploded drawings and assembling section, since some parts are disassembled as a unit part.

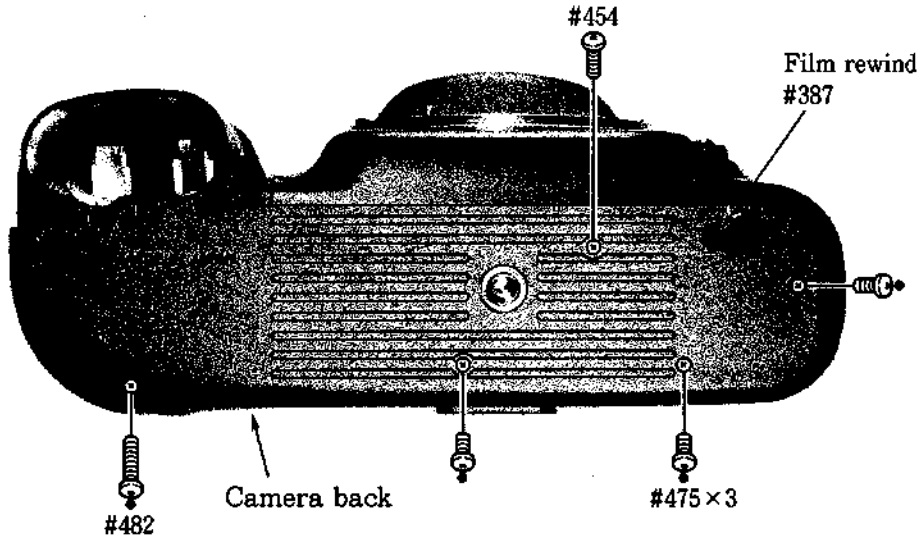
1. Separating the front body and the rear body

HAND GRIP FRONT COVER, BATTERY CHAMBER COVER



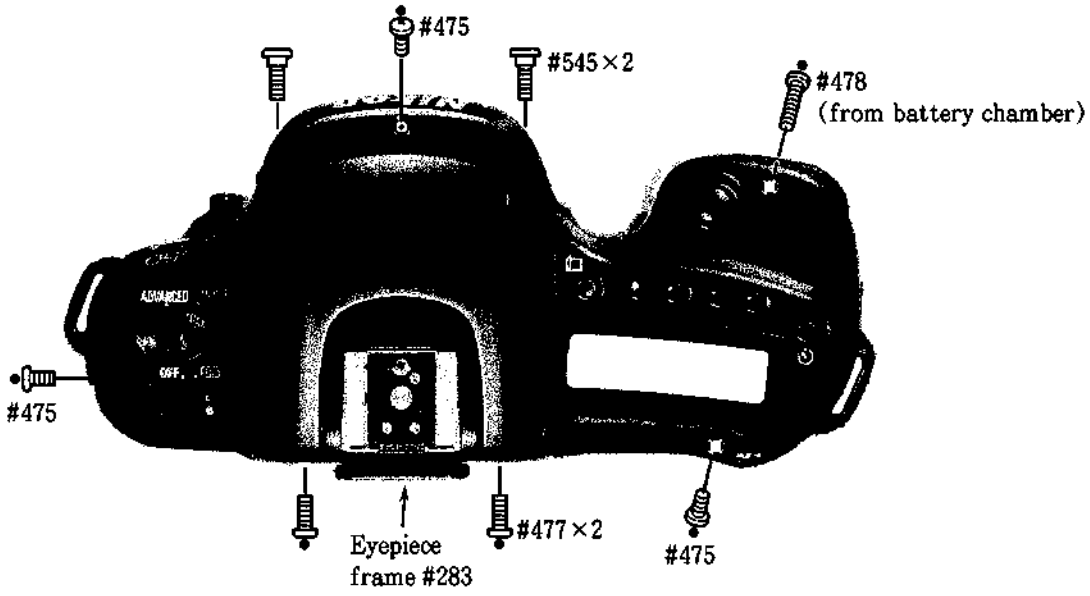
サービス課 M

BOTTOM COVER, CAMERA BACK

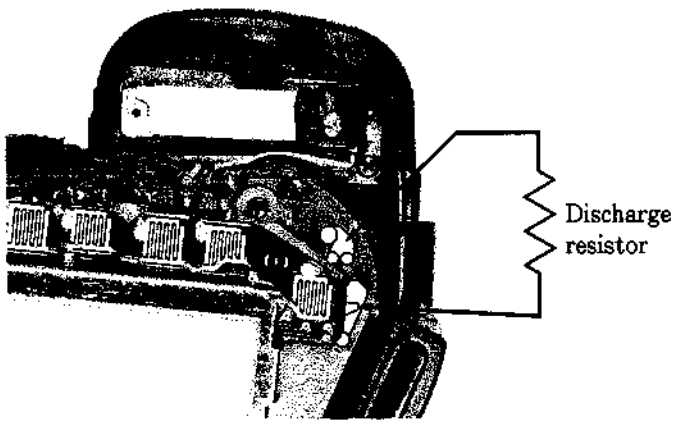


TOP COVER

1. Removing screws

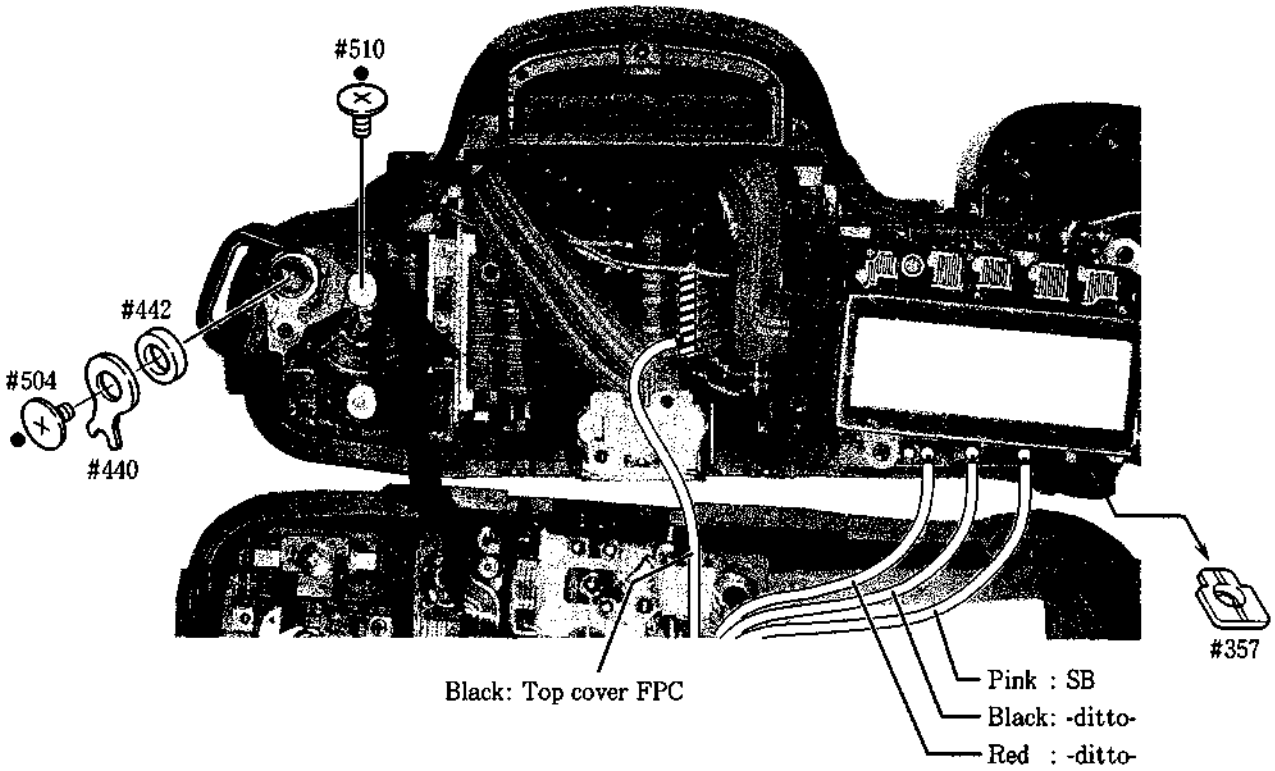


2. Discharging of the main ondenser

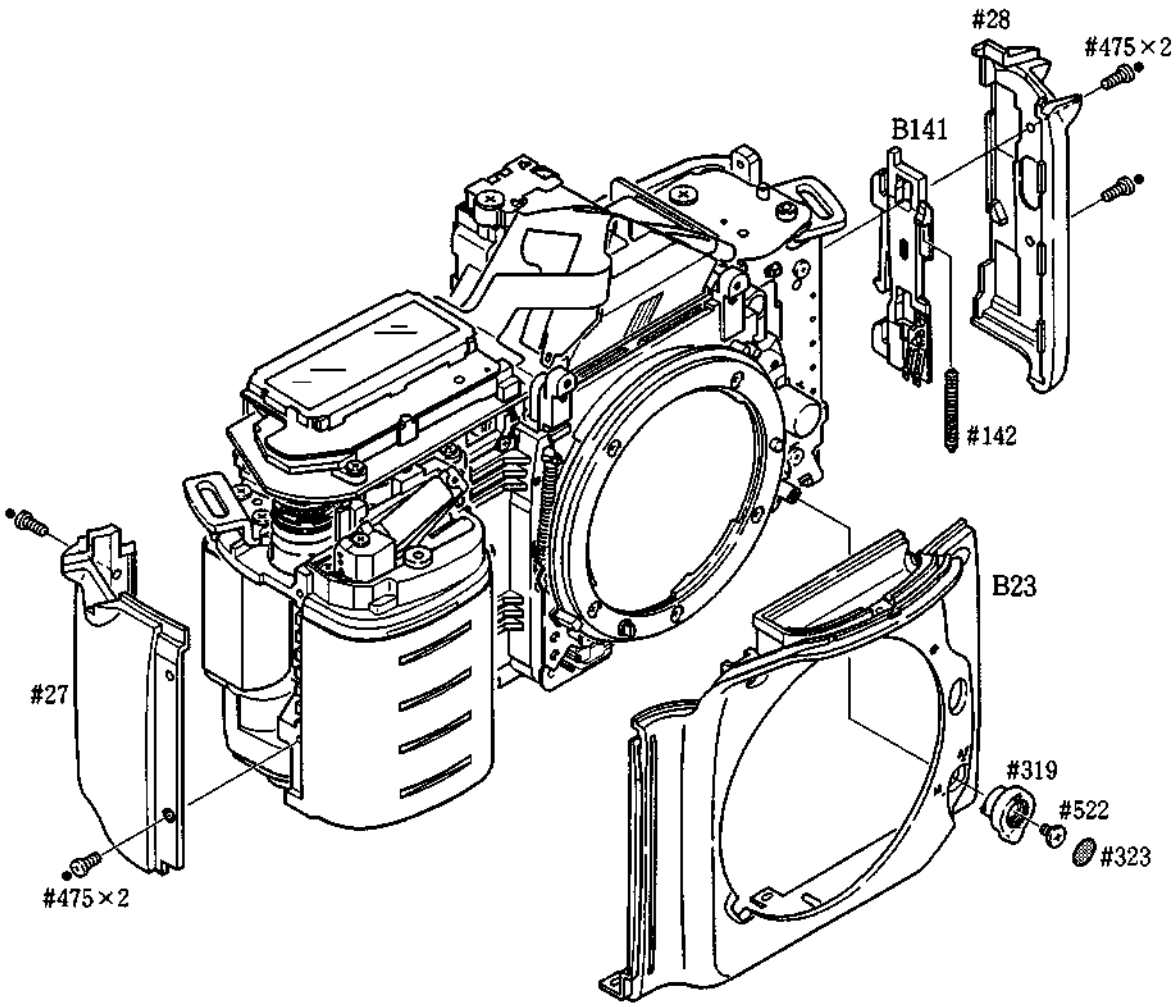


- Discharge the main condenser which is located the patterns as shown in the picture.
- Use a discharge resistor of approx. 2KΩ／5W.

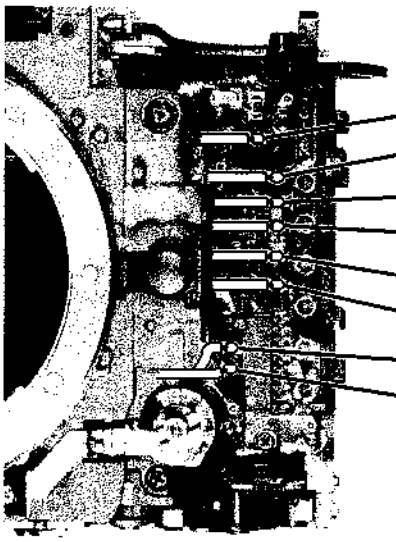
3. Removing wires and press-contact



FRONT COVER, CAMERA BACK LOCK RELEASE, HAND GRIP REAR COVER

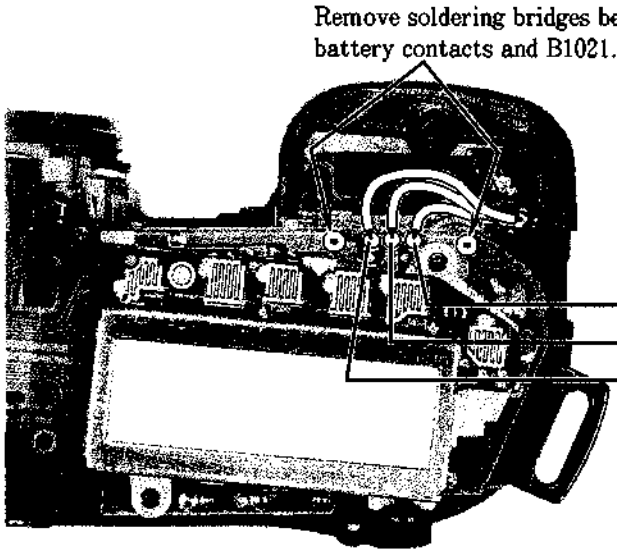


REMOVE WIRES ON THE DX FPC

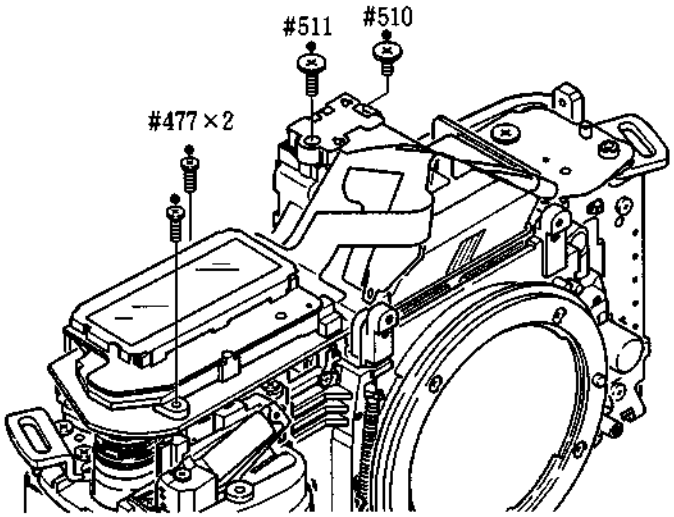


PENTA FPC GROUP

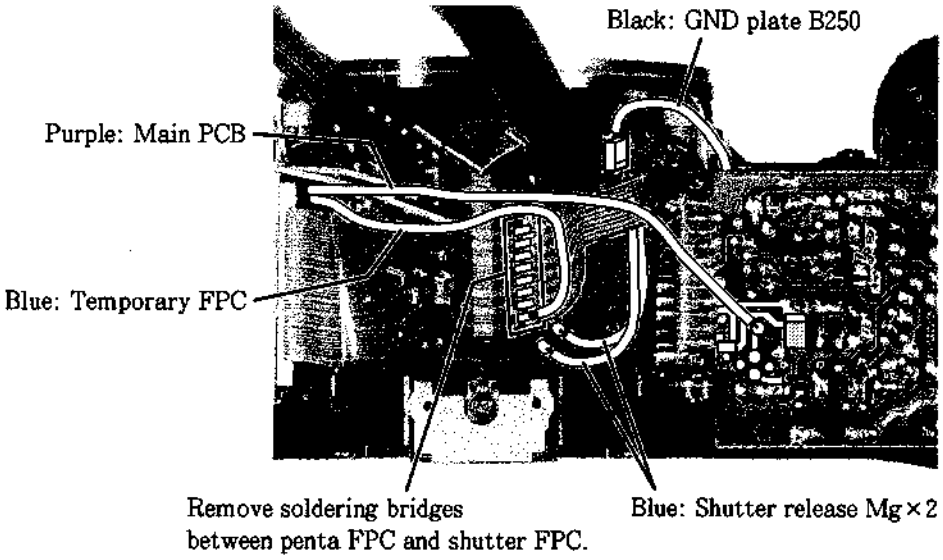
1. Removing wires and soldering bridges



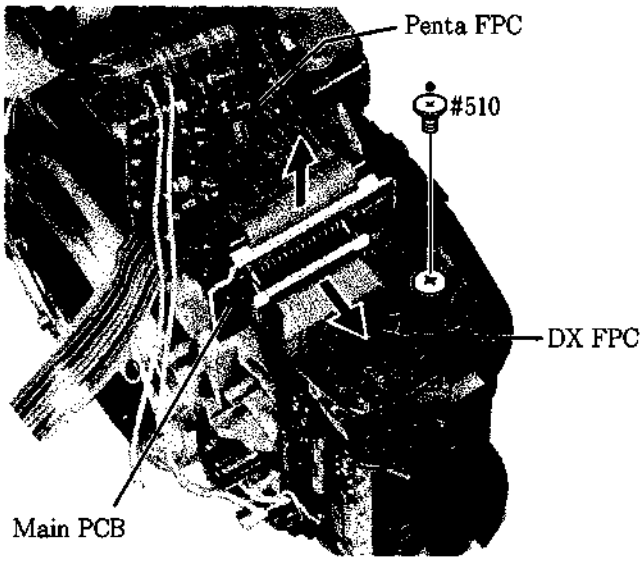
2. Removing screws



3. Removing wires and soldering bridges



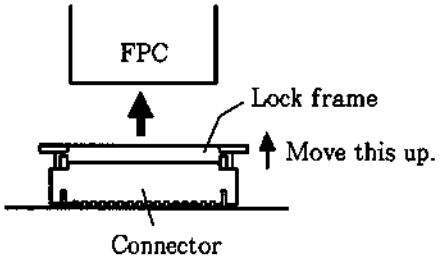
4. Disconnecting connectors



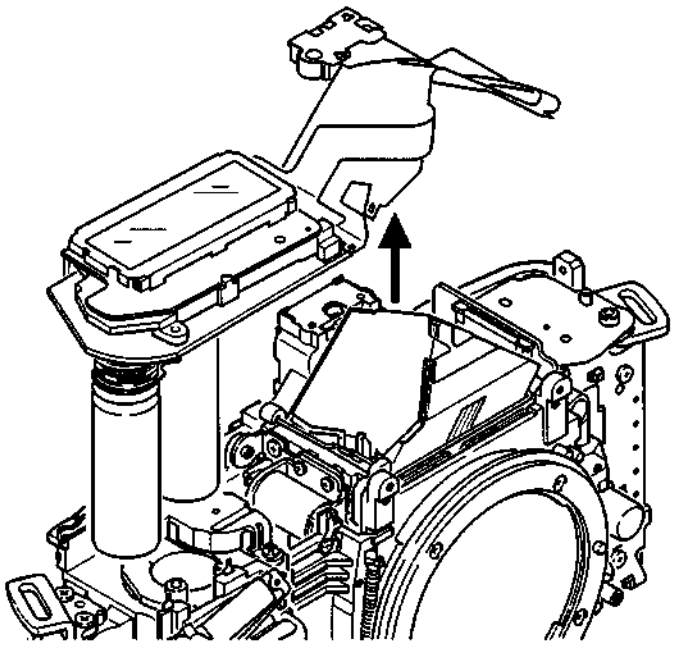
① Move up the lock frame.

Note: Do not lift the lock frame forcefully as it may become disconnected from the connector.

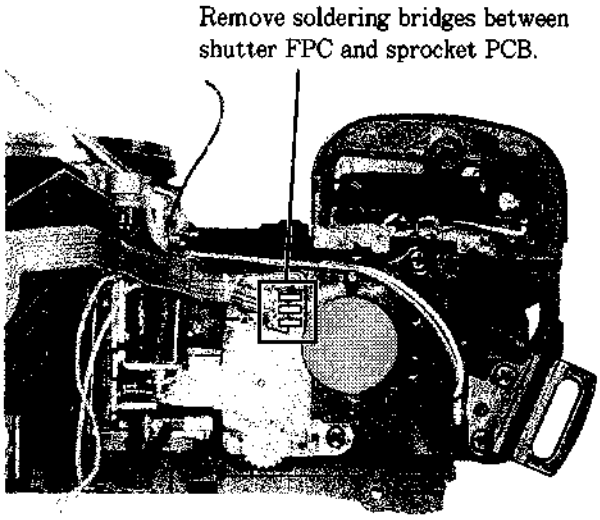
② Pull out FPC out of the connector.



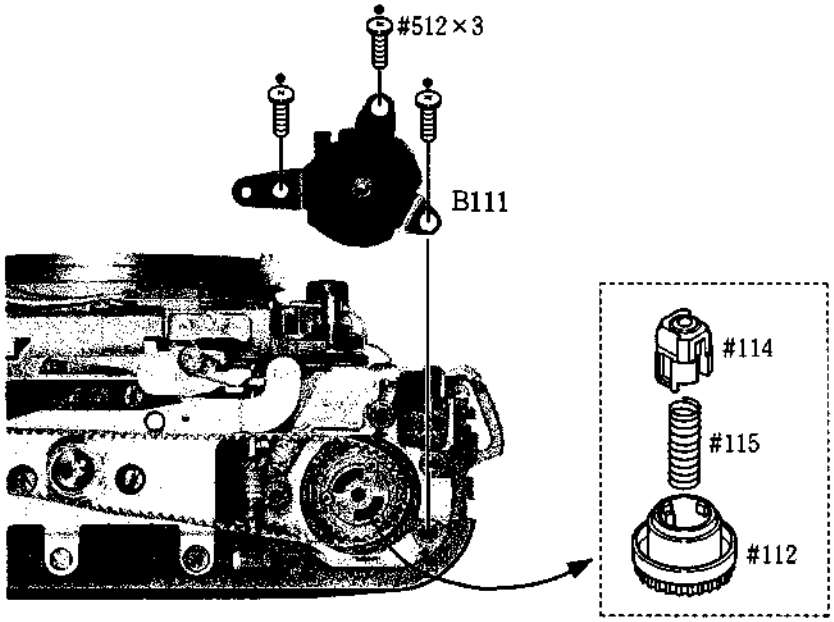
5. Removing penta FPC group



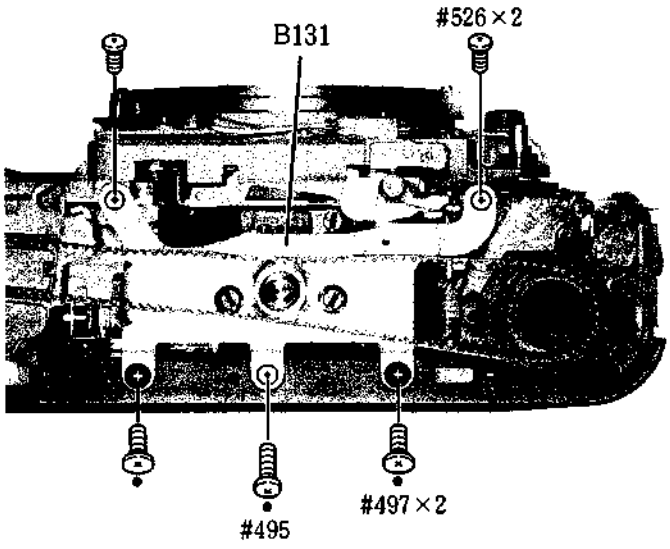
REMOVING SOLDERING BRIDGES



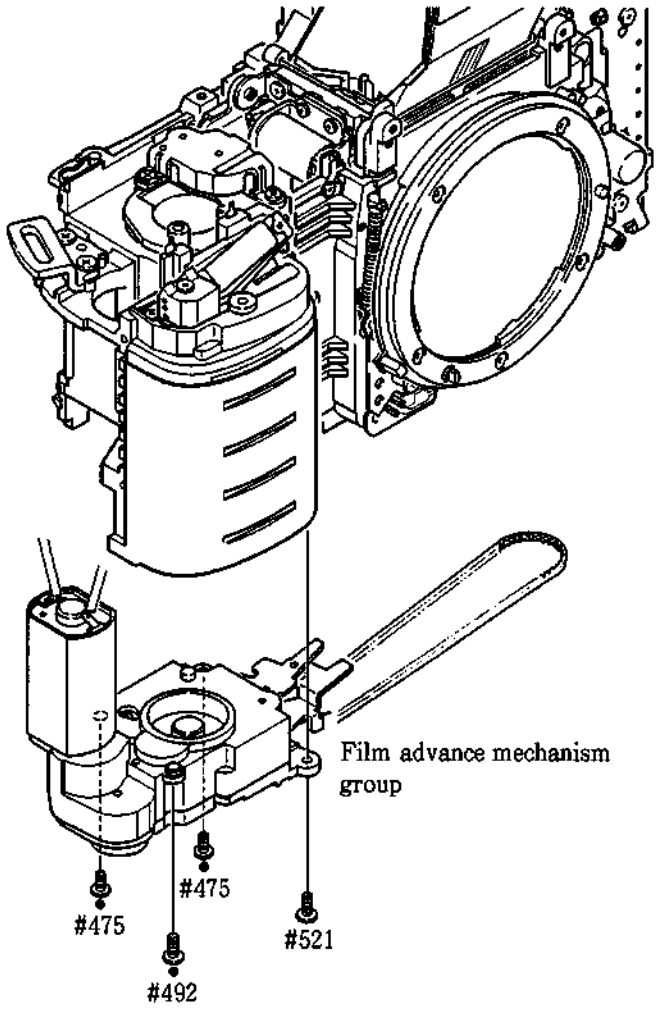
FILM REWIND FORK GROUP



TRIPOD BASE PLATE B131

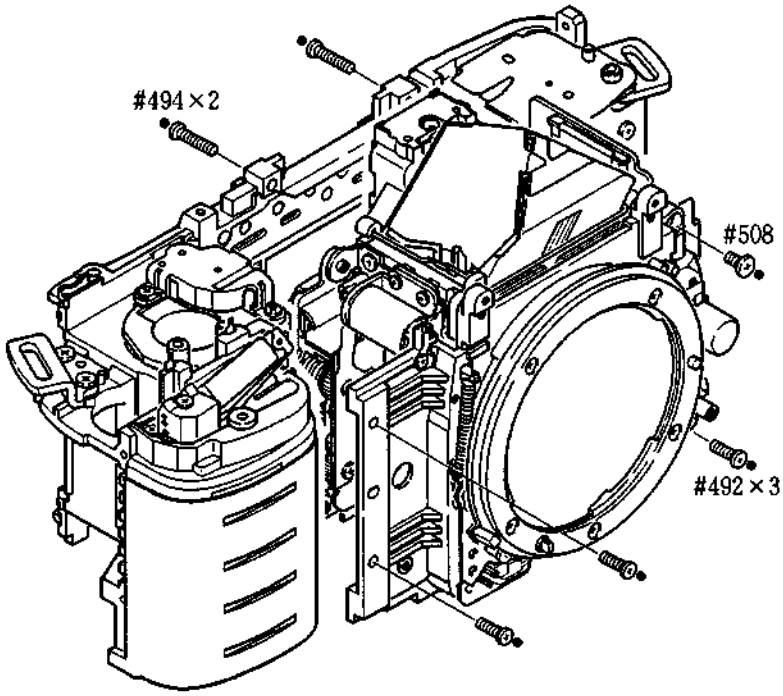


FILM ADVANCE MECHANISM GROUP



● Take care not to damage wires of film advance motor.

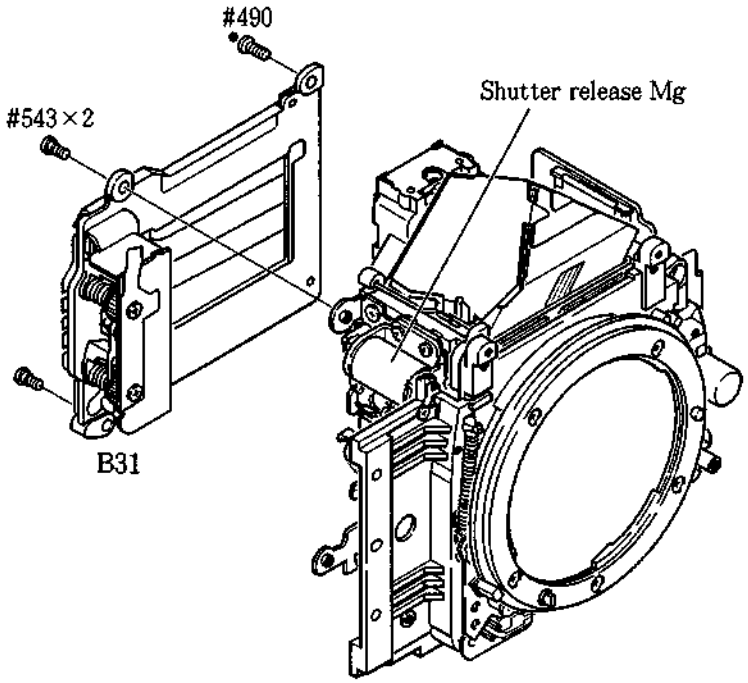
SEPARATING FRONT BODY AND REAR BODY



● Take care not to damage FPCs and wires.

2. FRONT BODY

SHUTTER UNIT B31



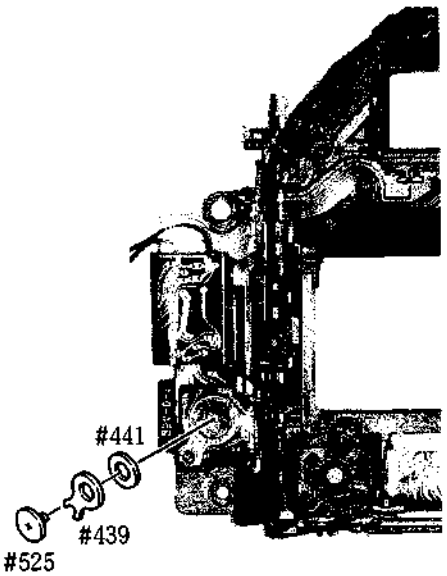
Note: Push the iron core of shutter release Mg to move up the main mirror. Then remove the shutter unit.

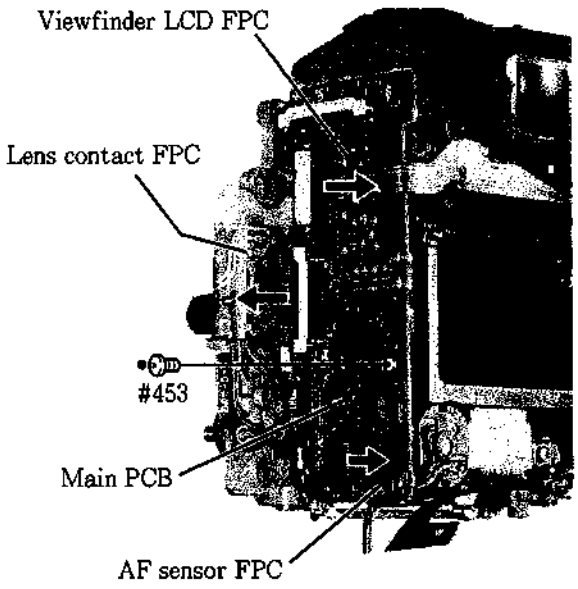
MAIN PCB

① Remove press-contact.

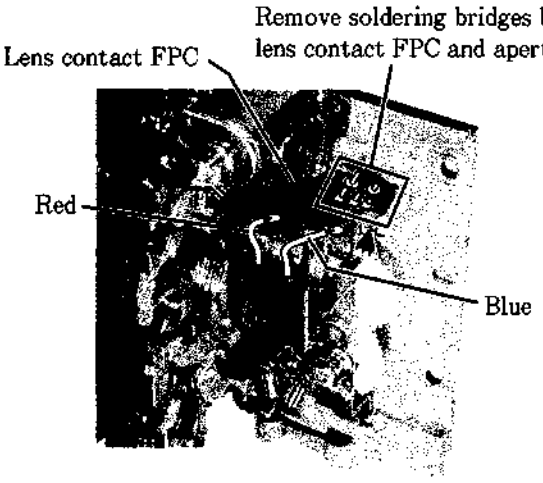
② Pull out FPC out of the connector.

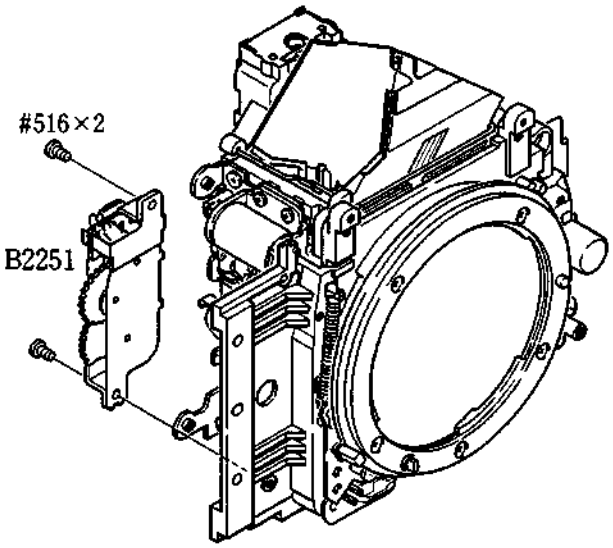
③ Remove screw #453 and take out the main PCB.



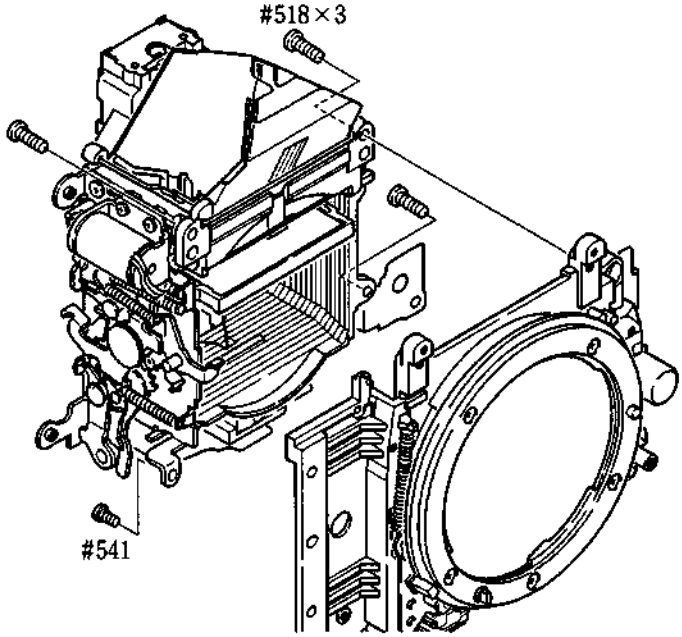


APERTURE CONTROL UNIT B2251

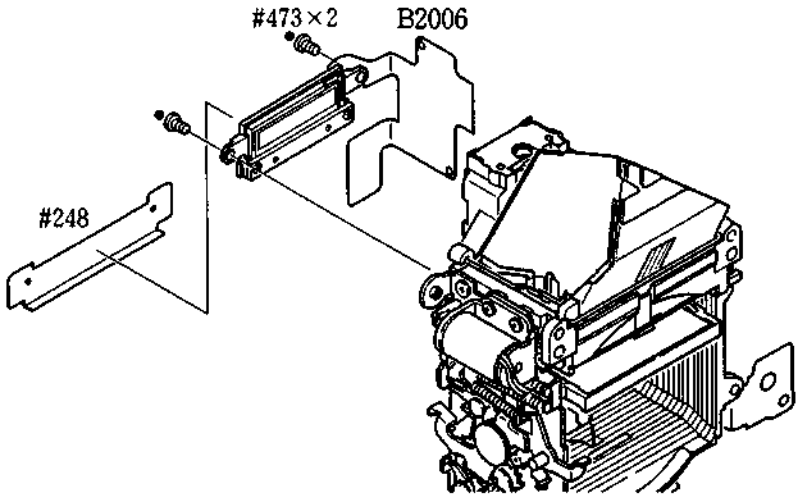




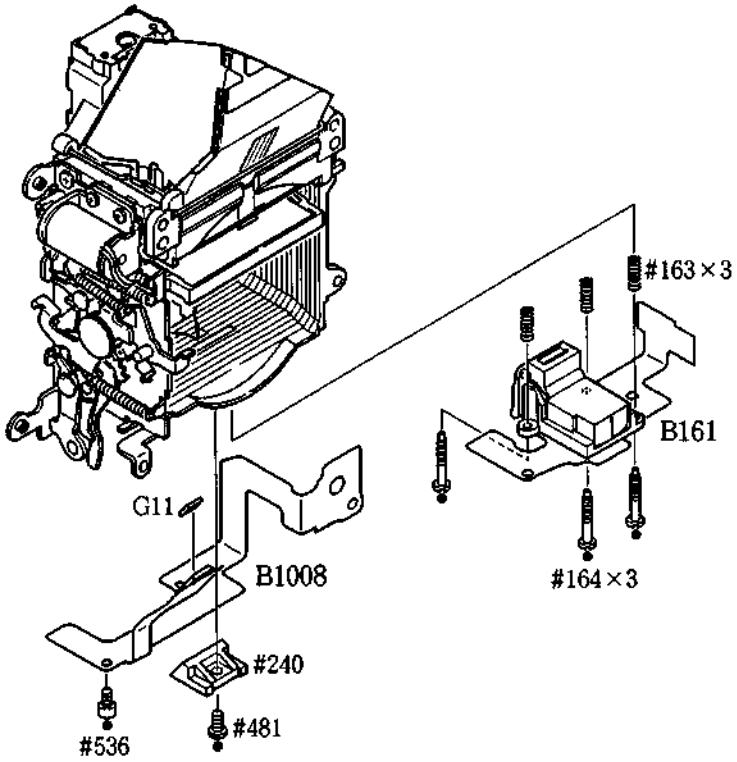
MIRROR BOX & PENTAPRISM GROUP



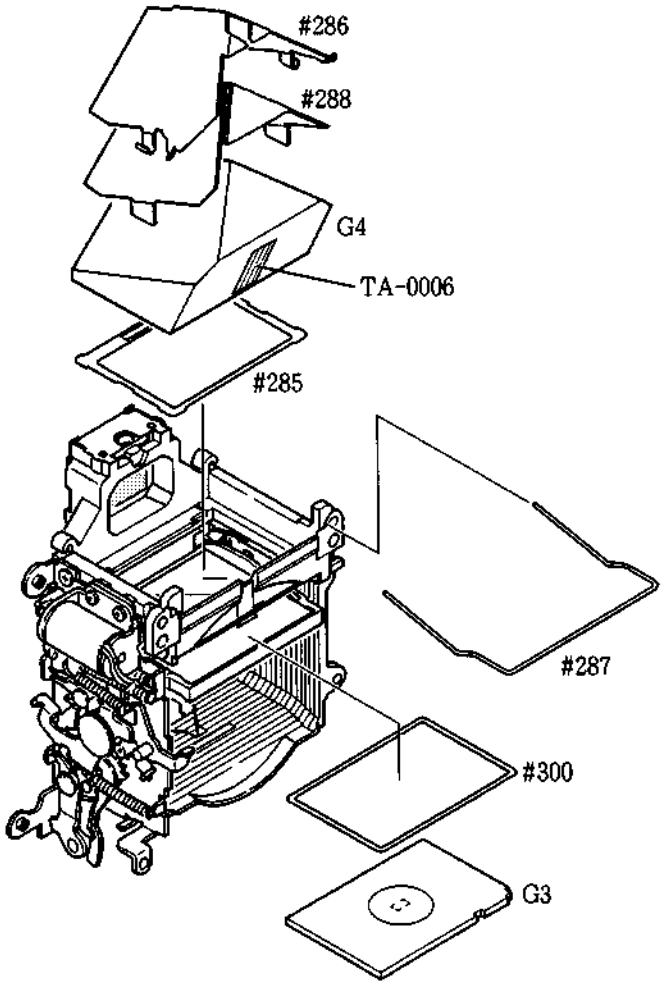
LIGHT BAFFLE PLATE, VIEWFINDER LCD FPC



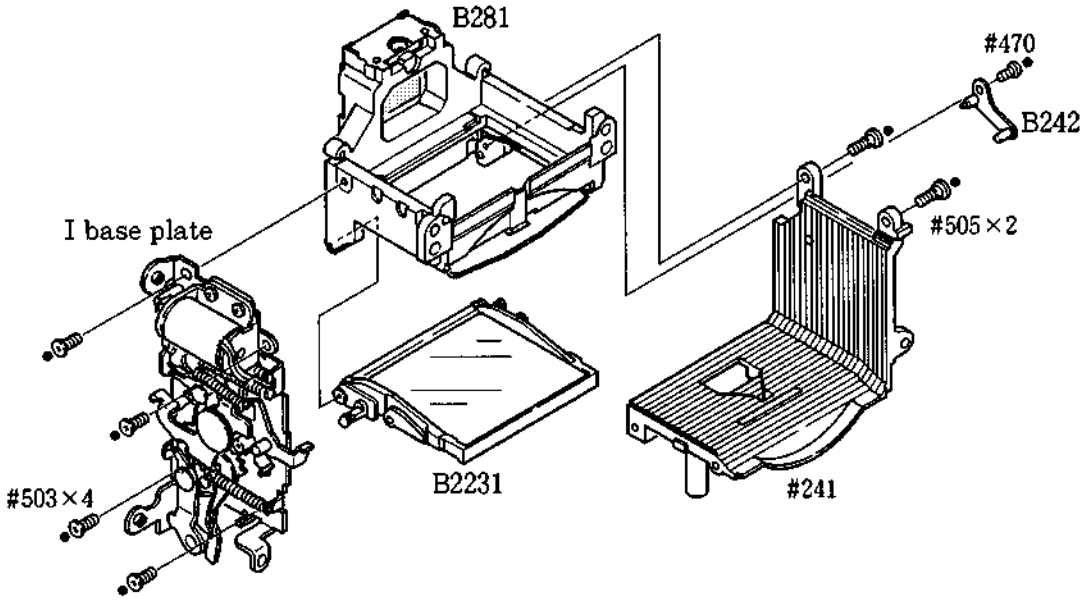
TTL FPC, AF SENSOR UNIT



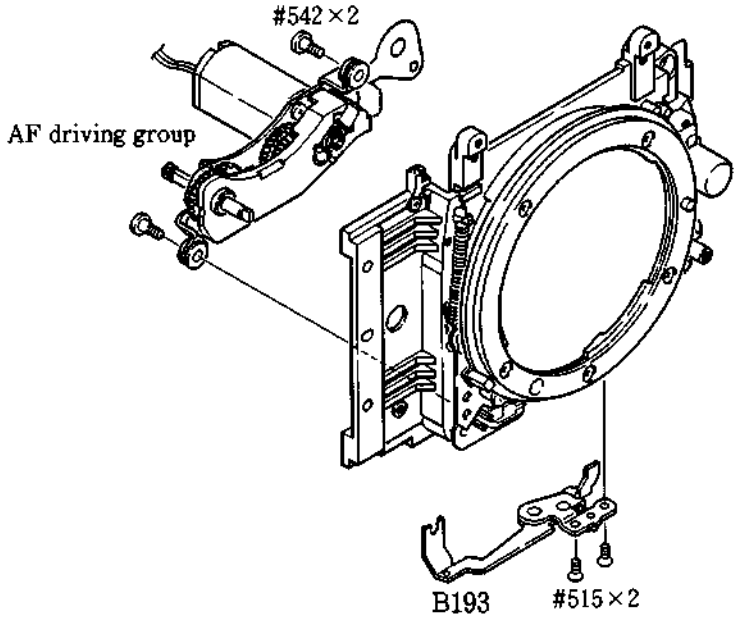
PENTAPRISM GROUP



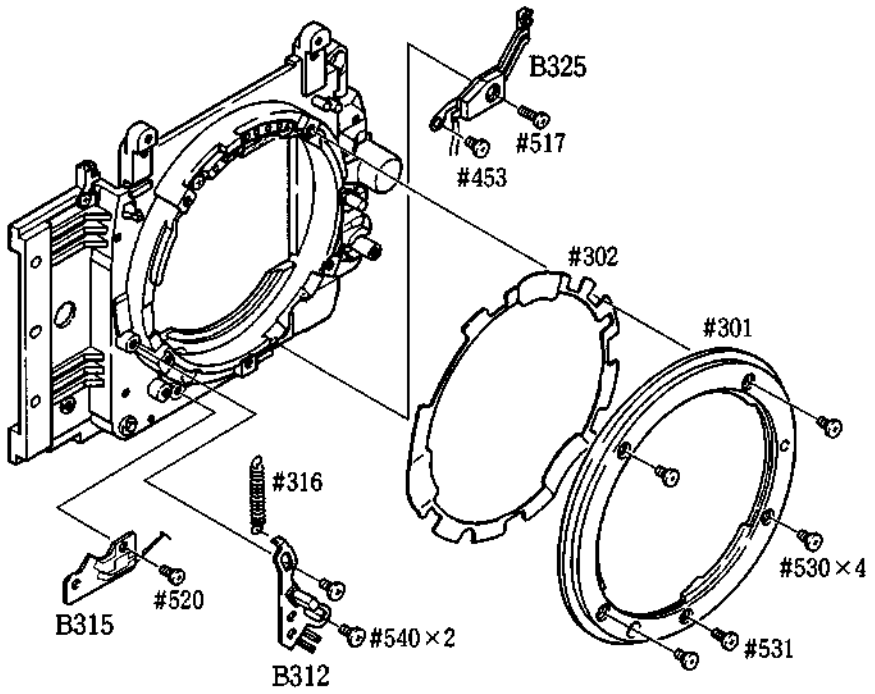
MIRROR BOX GROUP



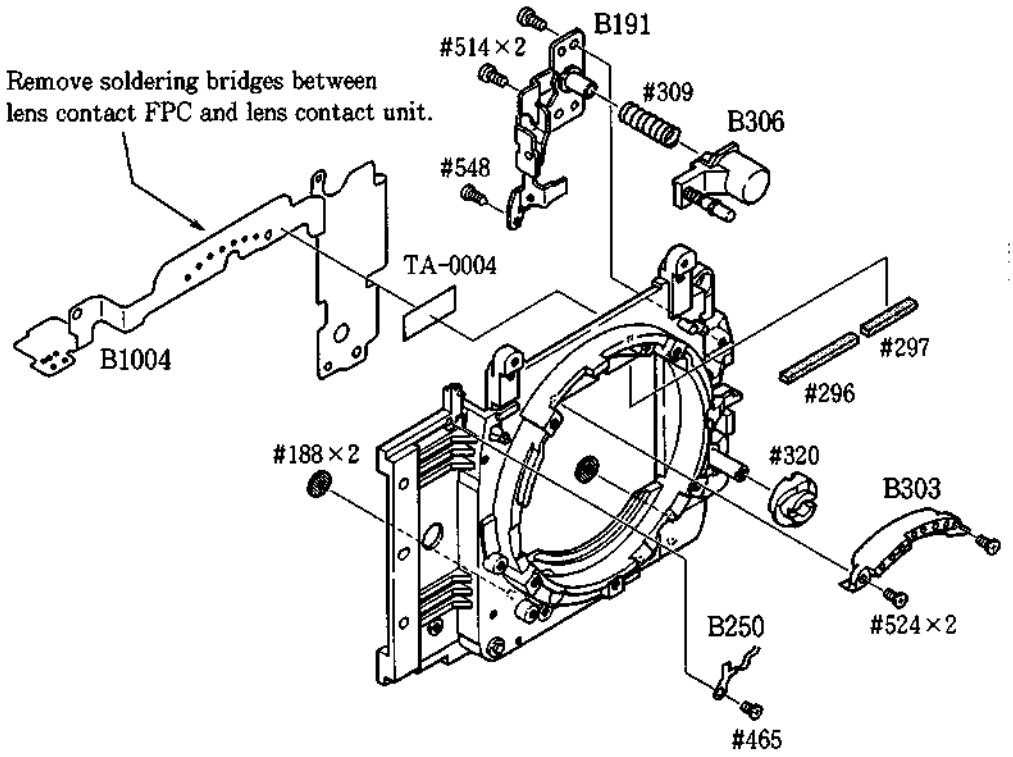
AF DRIVING GROUP



LENS MOUNT GROUP

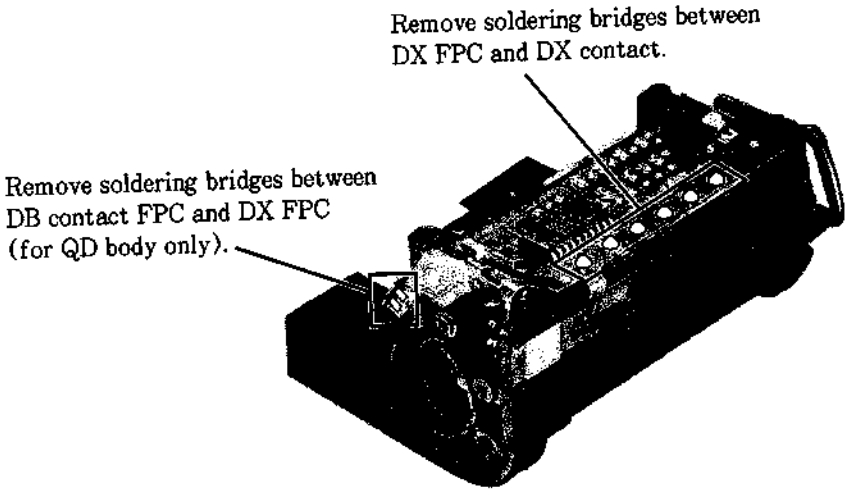


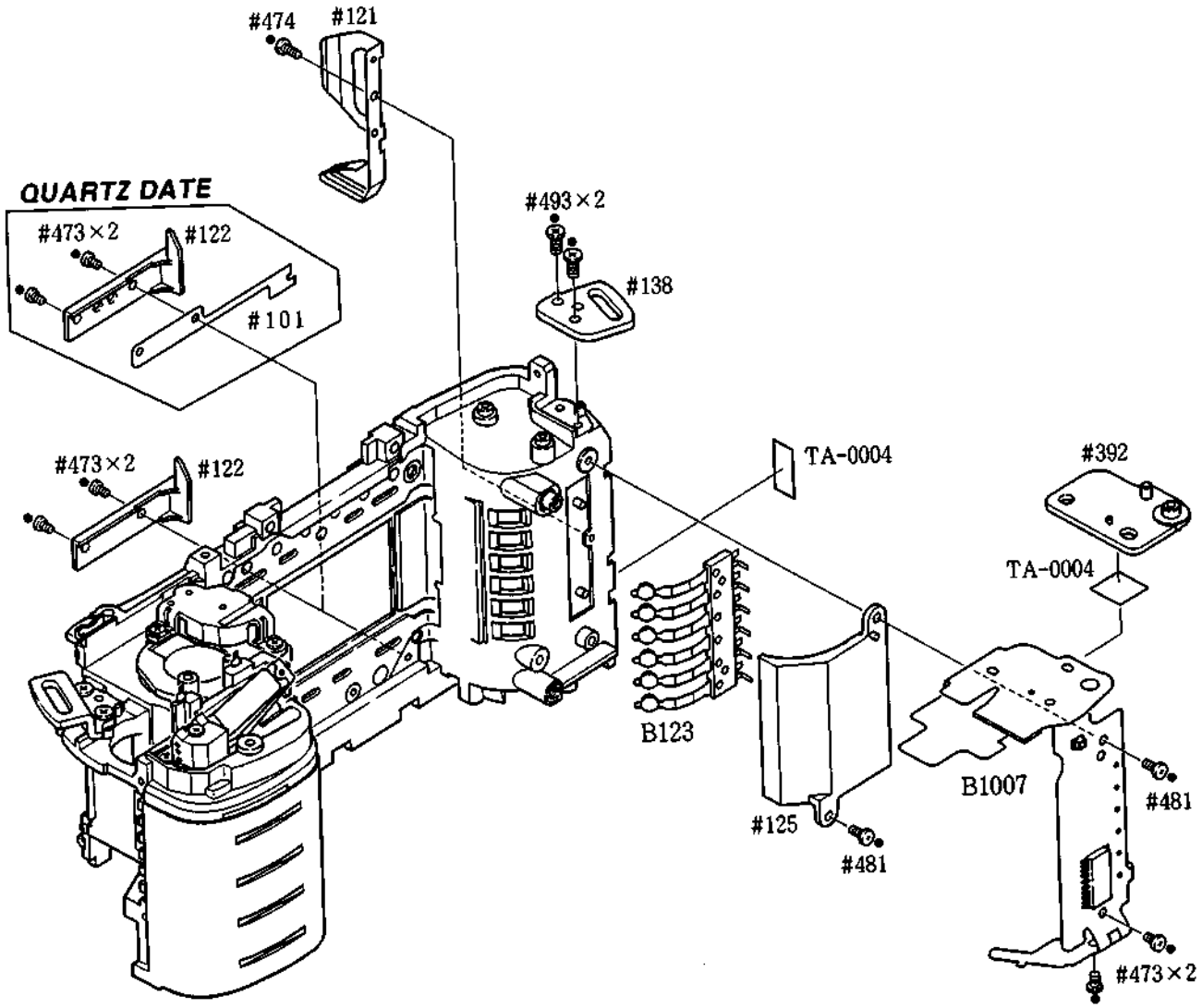
LENS CONTACT FPC, SMALL PARTS OF FRONT BODY



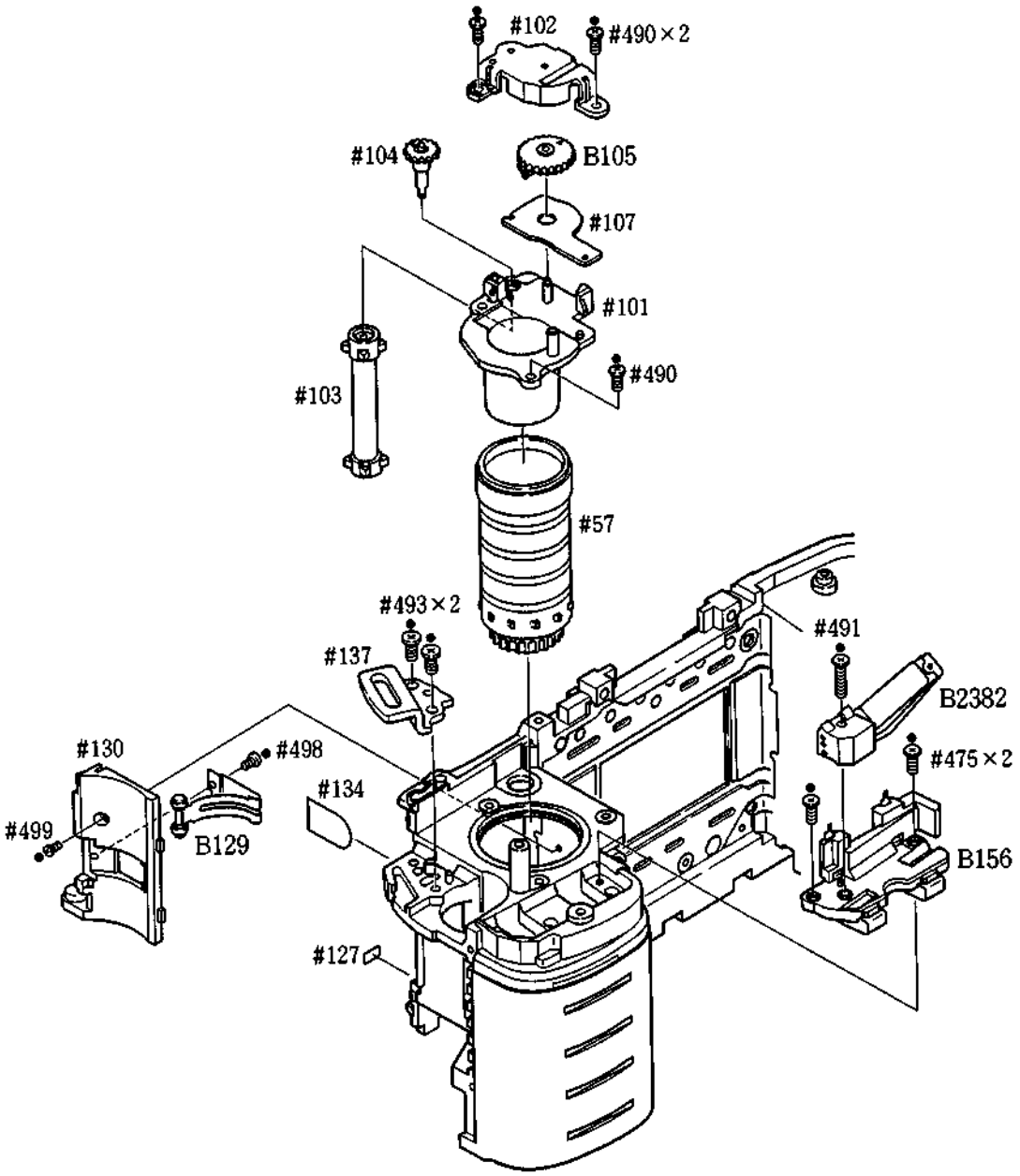
3. REAR BODY

EACH PART ON THE FILM CARTRIDGE CHAMBER SIDE





EACH PART ON THE SPOOL CHAMBER SIDE



ASSEMBLING

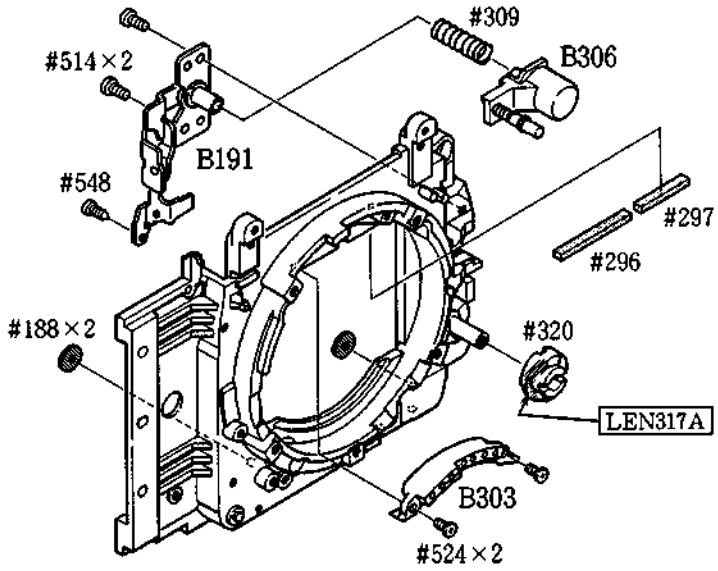
1. FRONT BODY

2. REAR BODY

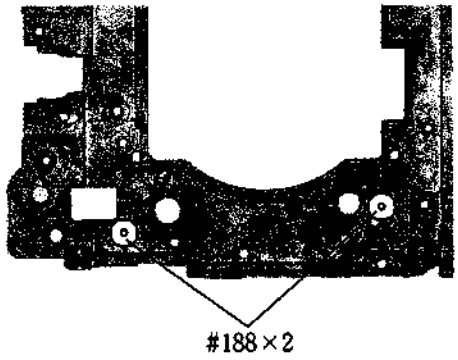
ASSEMBLING & ADJUSTMENT

1. FRONT BODY

SMALL PARTS OF FRONT BODY



Attaching positions of #188×2



AF DRIVING UNIT

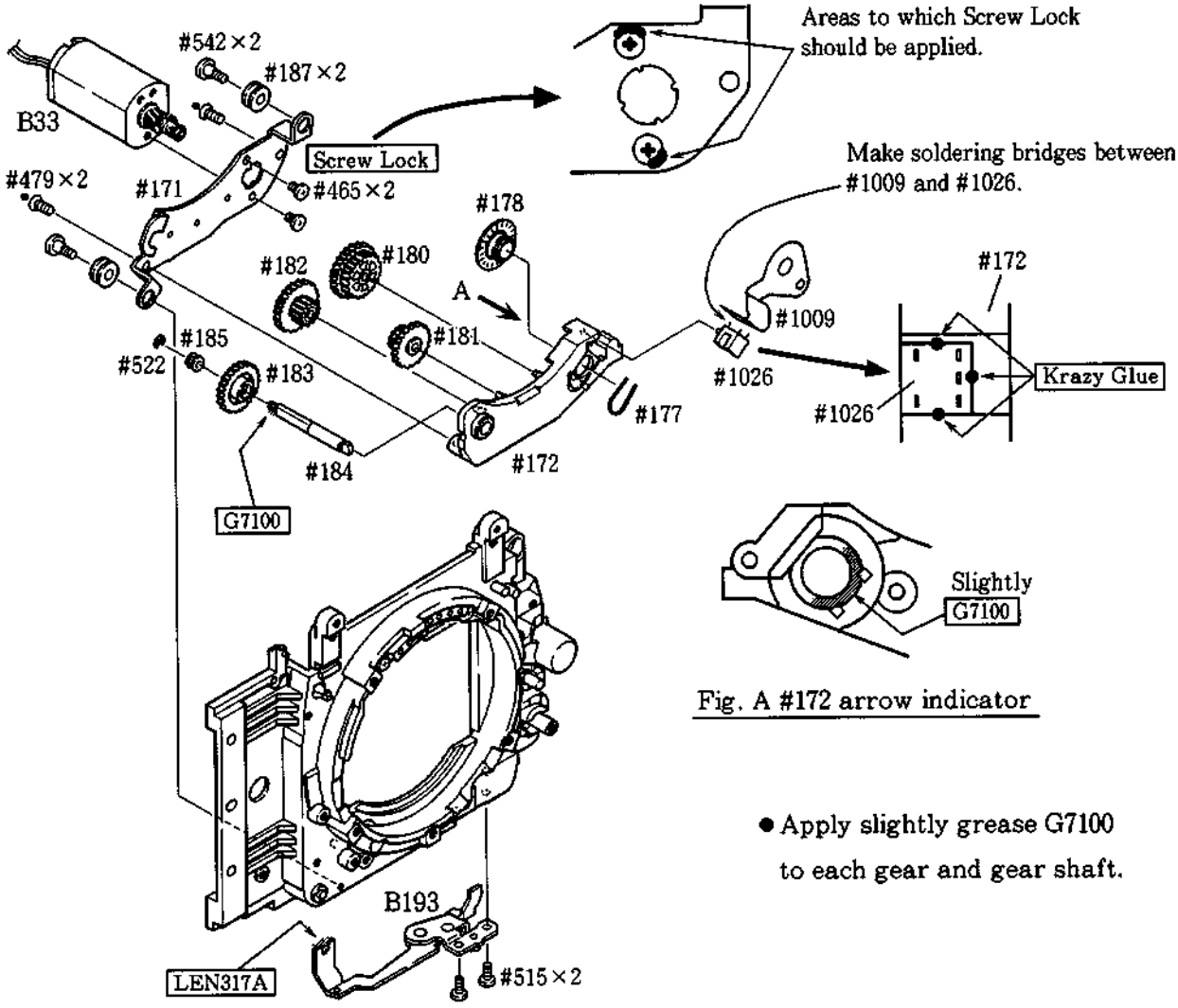
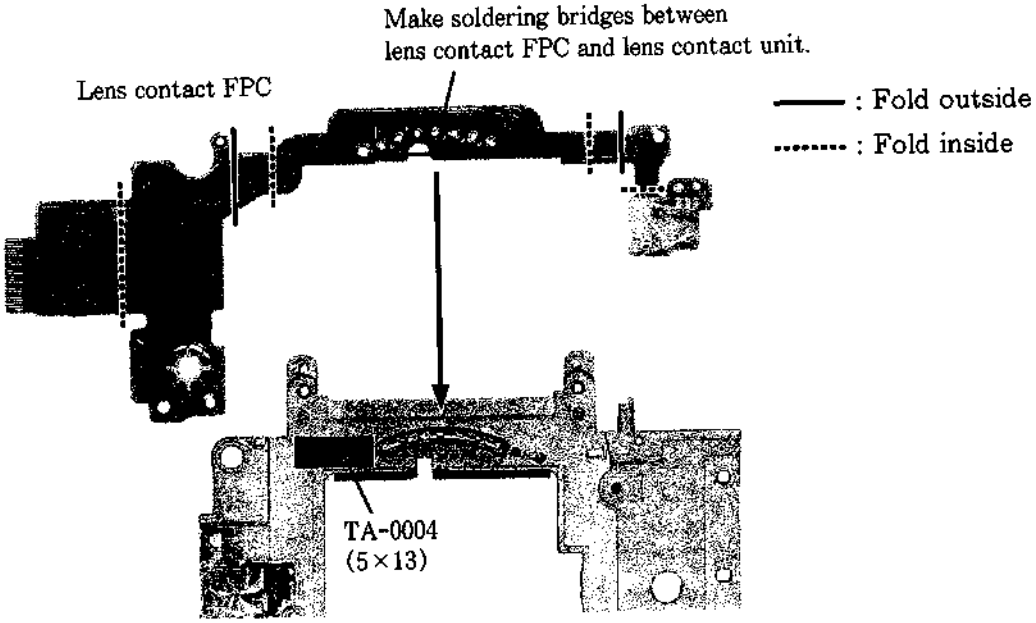


Fig. A #172 arrow indicator

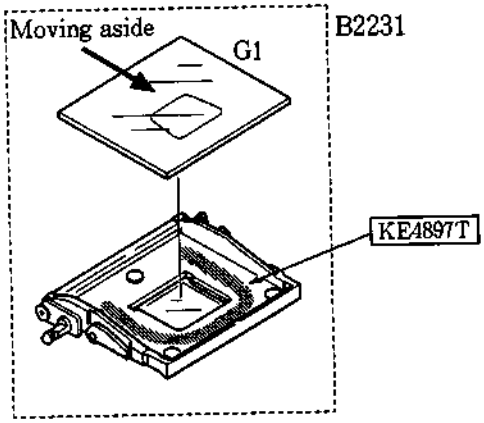
● Apply slightly grease G7100 to each gear and gear shaft.

LENS CONTACT FPC

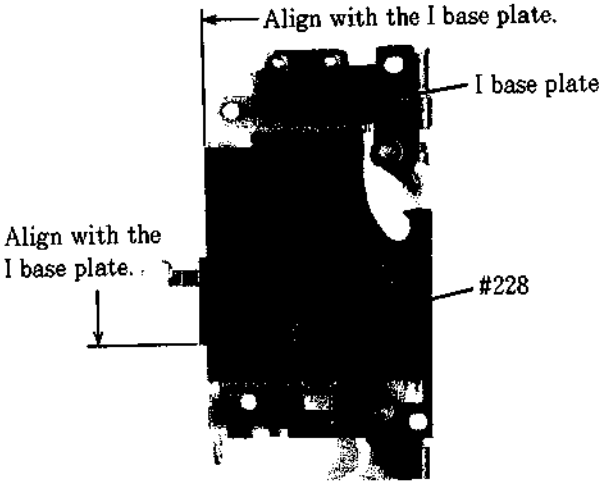


MIRROR BOX GROUP

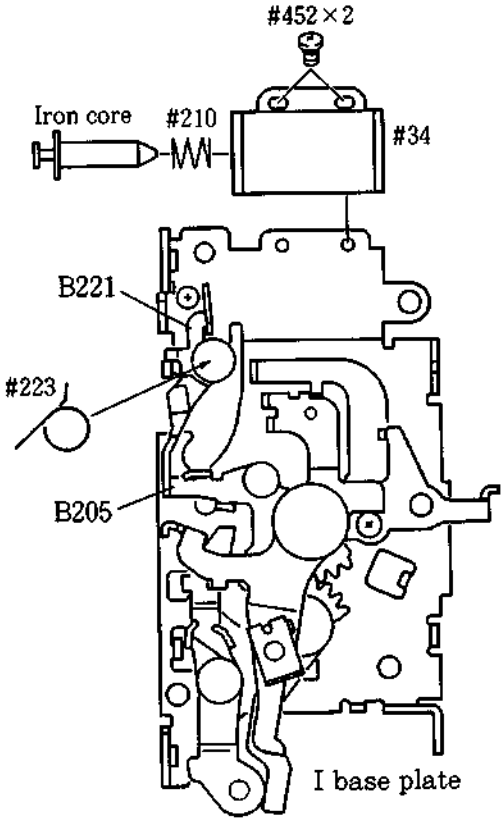
1. Pasting main mirror



2. Attaching position of #228



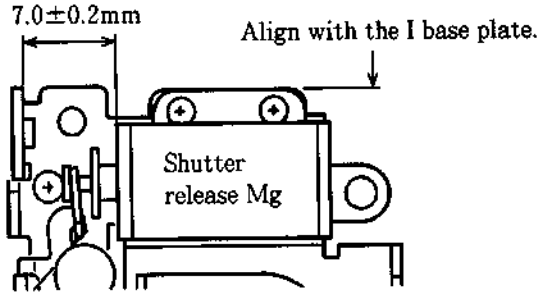
⚠
3. Mounting shutter release Mg #34 on the I base plate



①Mount spring #223 on the I base plate.

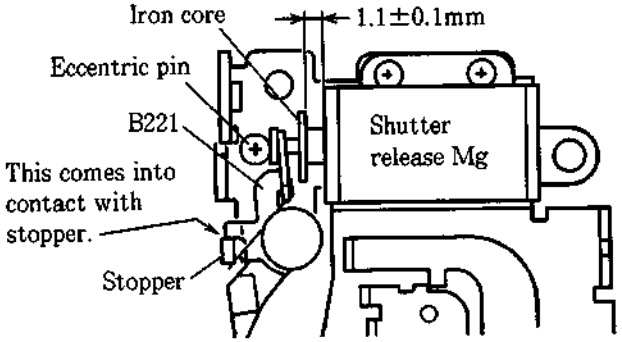
②Pull out the iron core of shutter release Mg #34 and mount spring #210.

③Secure the shutter release Mg at the location shown in the figure below using screws #452×2.



④Rotate the eccentric pin to adjust the gap between the base plate of shutter release Mg and the iron core to 1.1±0.1mm.

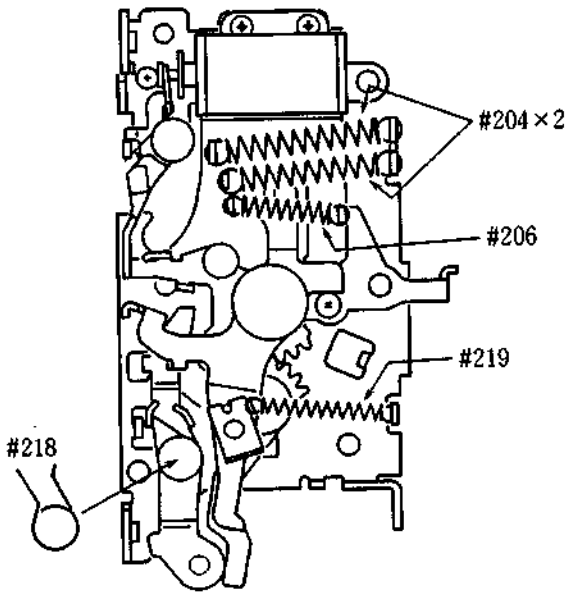
Attention: Be sure that lever B221 comes into contact with the stopper of I base plate. If not, adjust the position of the shutter release Mg to be 1.1±0.1mm.



⑤Lever B205 does not come into contact with lever B221 when moving lever B205 while fully pushing the iron core of shutter release Mg.

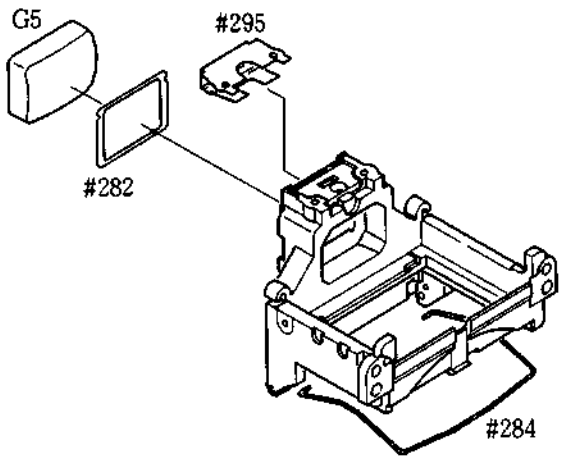
⑥Secure screws #452×2 using Screw Lock.

4. Hooking springs on the I base plate

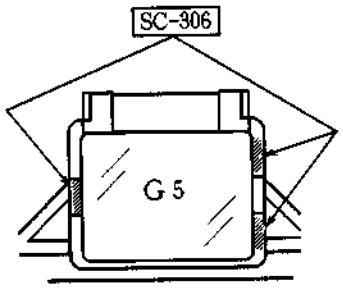


サービス課 M

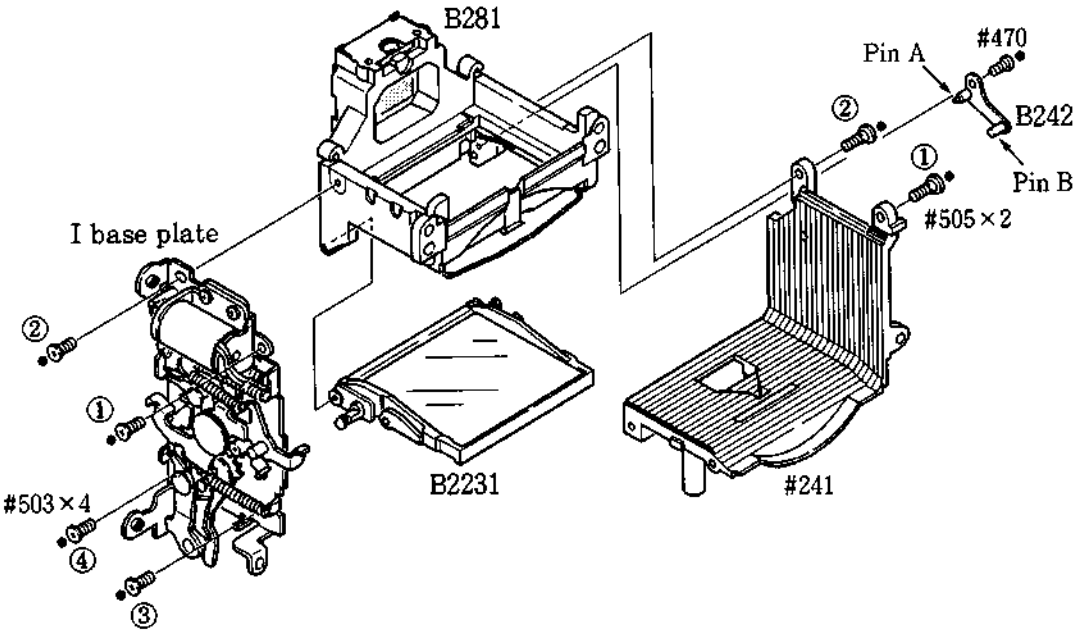
5. Prism box unit



● Pasting eyepiece lens G5



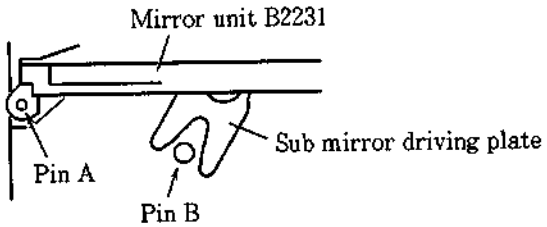
6. Assembling mirror box



① Mount the mirror unit B2231 on the pin of prism box unit B281.

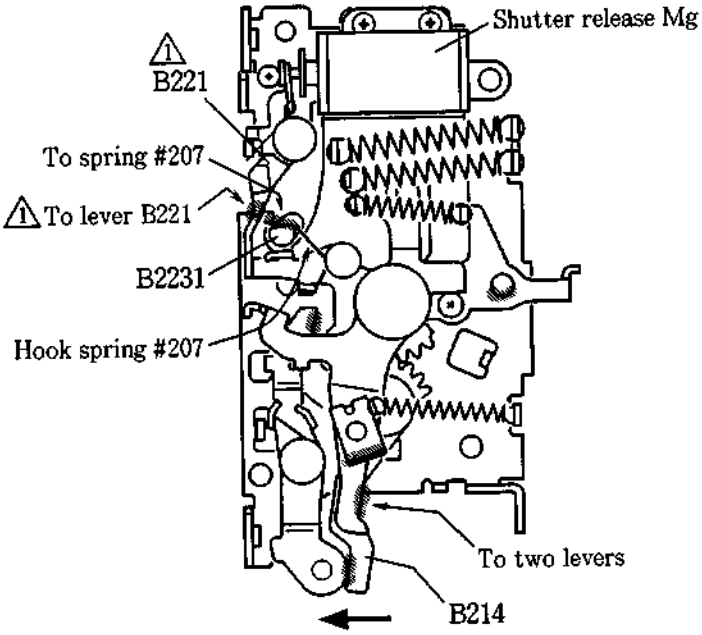
② Mount the L base plate #241 using screws #505×2. Fasten screws #505×2 in the order from ① to ②.

③ Attach the mirror shaft unit B242 using screw #470.



④ Mount the I base plate using screws #503×4. Fasten screws #503×4 in the order from ① to ④.

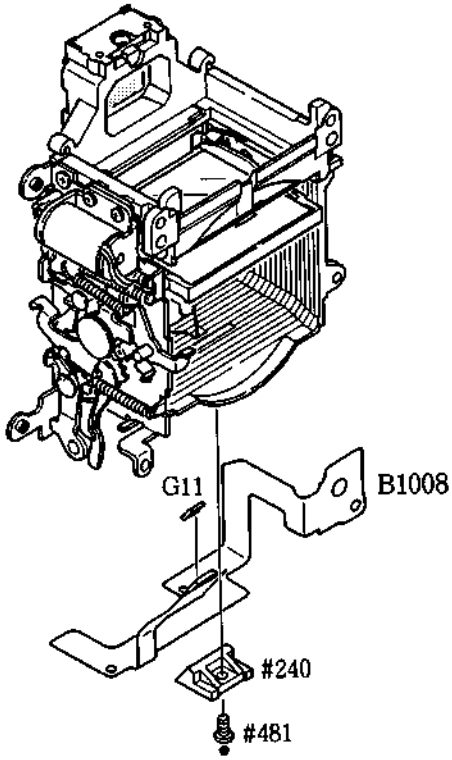
7. Hooking spring #207, Applying grease

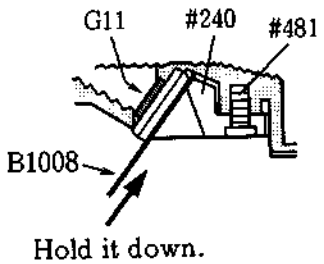


● ▒▒: Apply grease LEN317A to slanting line portions.

Inspection: Make sure that main mirror moves up when pushing the iron core of shutter release Mg. Take care not to scratch the surface of main mirror. Make sure that the main mirror moves down when lever B214 is moved in the direction of arrow.

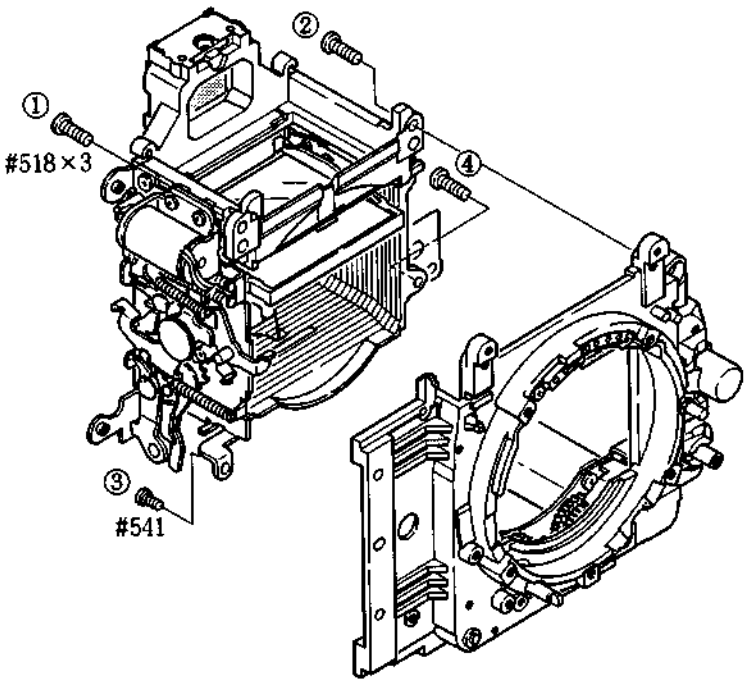
8. Attaching TTL FPC





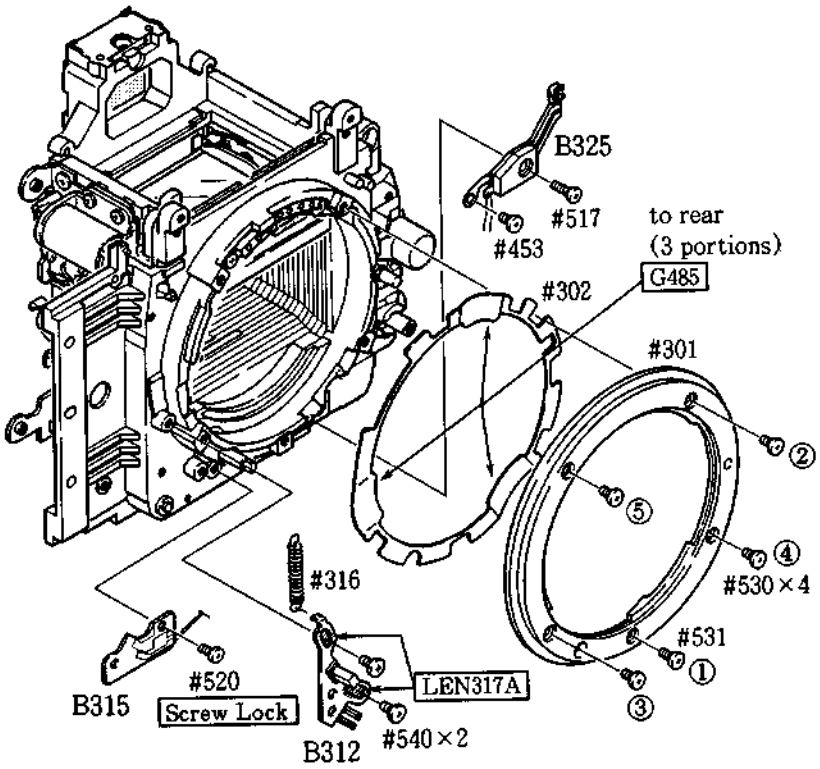
サービス課 M

9. Mounting mirror box

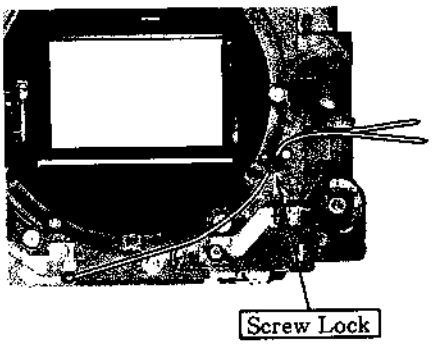


● Fasten screws #518×3 and #541 in the order from ① to ④.

LENS MOUNT GROUP

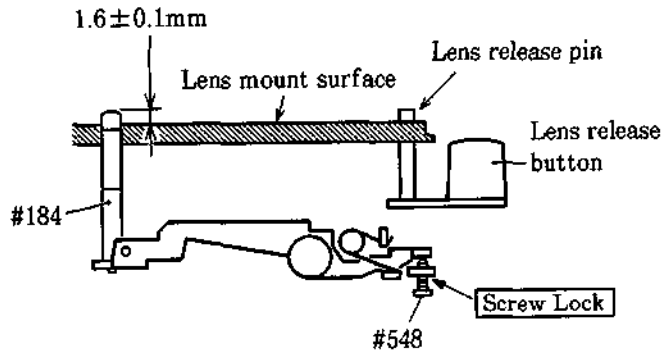


Arrange wires



● Fasten screws #530×3 and #531 in the order from ① to ④.

HEIGHT ADJUSTMENT OF AF COUPLING SHAFT #184



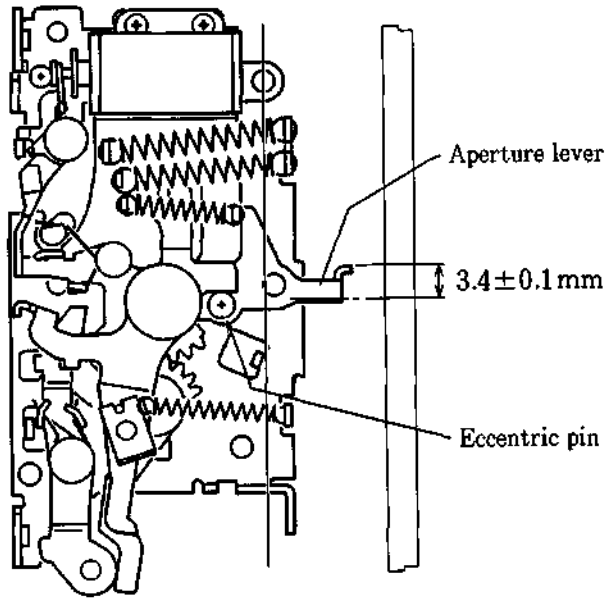
① Set the focus mode cam #320 to "AF". Measure the height of the AF coupling shaft #184 after pressing the lens release button several times.

② Adjust the height of the AF coupling shaft using screw #548.

③ The AF coupling shaft should not protrude over the lens mount surface, when the height of lens release pin is adjusted to 0.4mm.

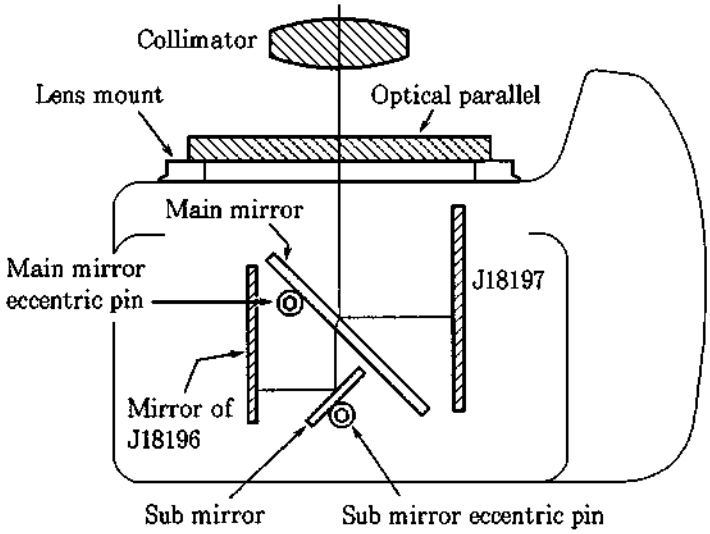
④ After adjusting, secure screw #548 with Screw Lock.

ADJUSTMENT OF APERTURE LEVER POSITION



● Set each lever of the I base plate as shown in the figure.
Measure the height of the aperture lever using tool J18004. If the value is out of the standard value, rotate the eccentric pin to adjust it.
Standard value: 3.4±0.1mm

ANGLE ADJUSTMENT OF MAIN MIRROR AND SUB MIRROR TO 45°



*Use tools

1. Angle adjustment of main mirror
   ① Collimator (J19002)
   ② Mirror angle inspection mirror (J18197)
   ③ Optical parallel
   ④ Hexagonal wrench
2. Angle adjustment of sub mirror
   ① Collimator (J19002)
   ② Sub mirror angle adjustment tool (J18196)
   ③ Hexagonal wrench

● Angle adjustment of main mirror to 45°

Note: Check to confirm the accuracy of the main mirror before and after adjustment by moving it up and down several times.

① Checking the discrepancy (right/left)

If horizontal displacement is out of the standard value, it is possible that bayonet spring #302 is pinched, mirror unit B2231 is defective, or mirror shaft is bent.

② Checking the discrepancy (up/down)

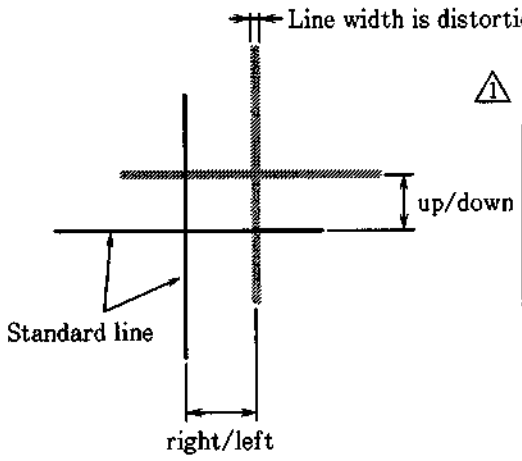
If the amount of the discrepancy is out of the standard value, rotate the main mirror eccentric pin to adjust.

● Angle adjustment of sub mirror to 45°

Note: Check to confirm the accuracy of the main mirror before and after adjustment by moving it up and down several times.

① Checking the discrepancy (up/down)

If the amount of the discrepancy is out of the standard value, rotate the sub mirror eccentric pin to adjust.

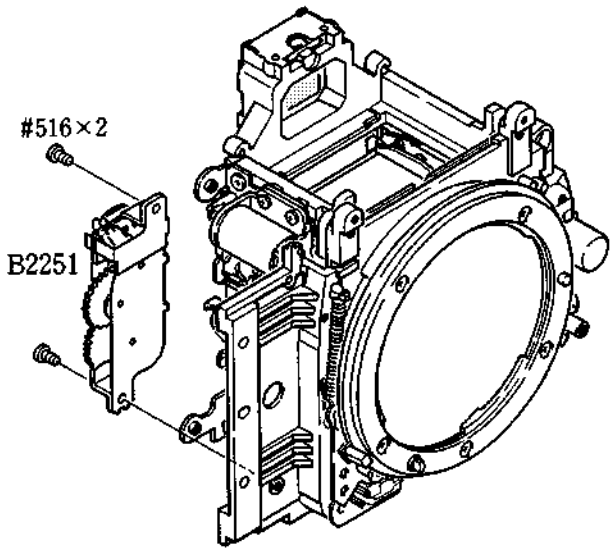


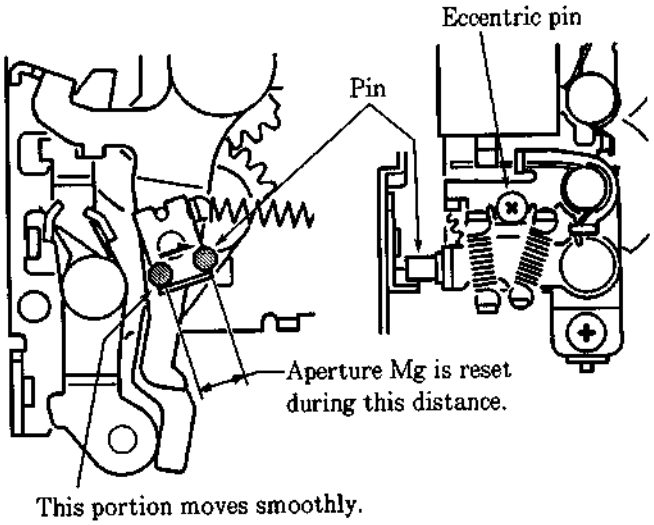
⚠ **Standard:**

	Main mirror	Sub mirror
Discrepancy (right/left)	Within ±20′	
Discrepancy (up/down)	Within ± 5′	Within ±10′
Distortion	Within ± 4′	Within ± 4′

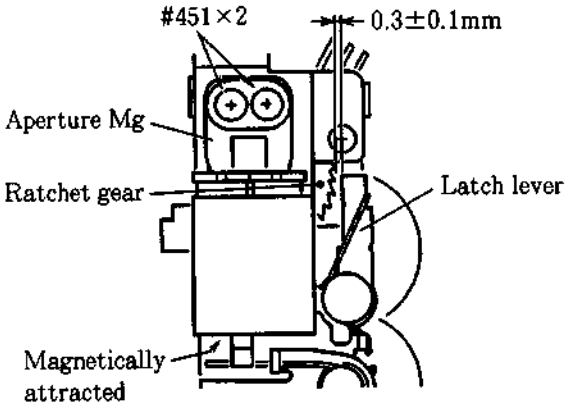
サービス課 M

APERTURE CONTROL UNIT B2251





① Check to confirm that the gap between the ratchet gear of aperture control unit B2251 and the latch lever is 0.3±0.1mm.



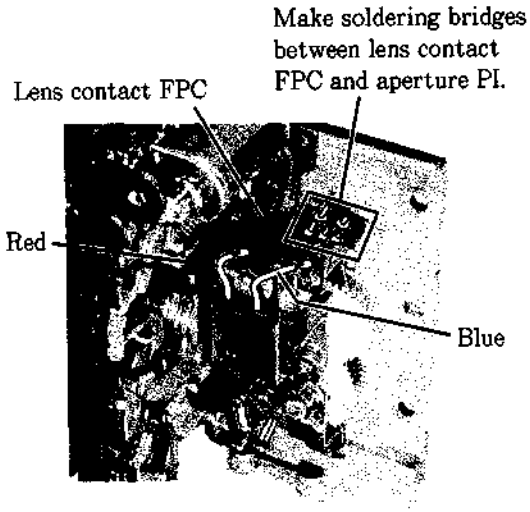
Unfasten screws #451×2 and move the aperture Mg to adjust. After adjusting, secure screws #451×2 using Screw Lock.

② Mount the aperture control unit using screws #516×2.

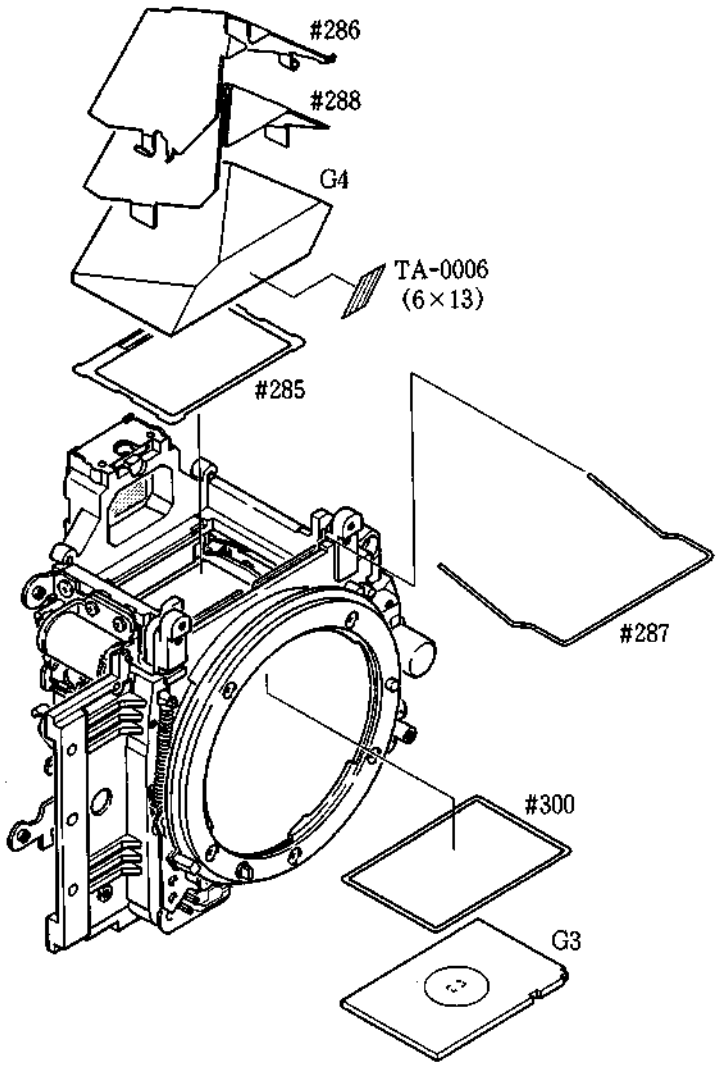
Note: Make sure that main mirror is being moved down.

③ Rotate the eccentric pin to adjust so that the aperture Mg is reset at the location shown in the figure on the left.

④ Solder two wires from aperture PI and the soldering bridges (between lens contact FPC and aperture PI).



PENTAPRISM GROUP



ADJUSTMENT OF INFINITY (∞)

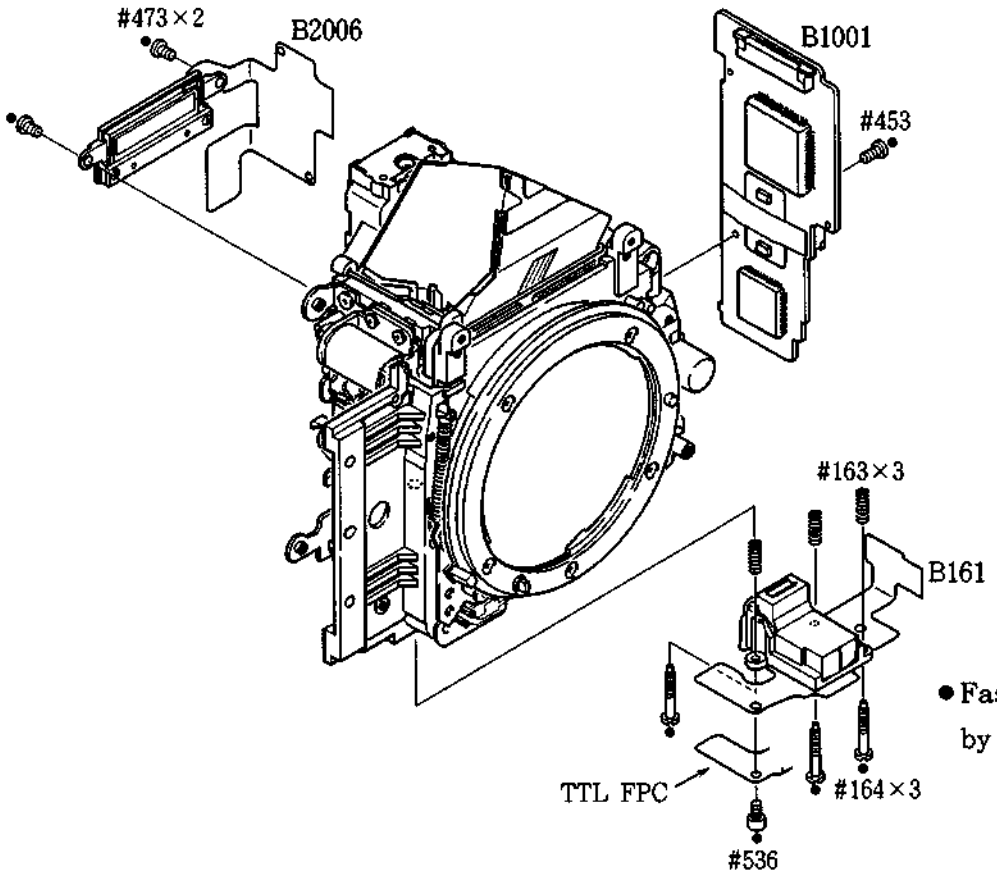
- Make the following adjustment using reference lens J18010 so that the infinity (∞) coincidence comes within the range of ±0.05mm.

  ① Make coarse adjustment using spacer #300.

  ② Rotate the main mirror eccentric pin in the mirror box to fine adjust. Do not rotate the eccentric pin if the infinity coincidence comes within the standard range by the adjustment "①" above.

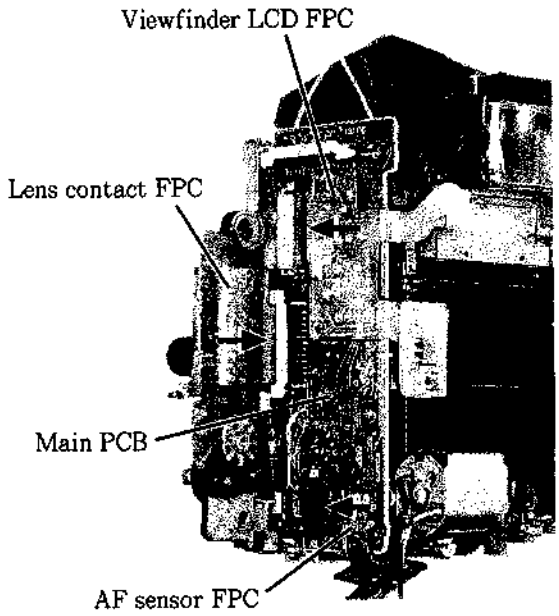
VIEWFINDER LCD FPC, AF SENSOR UNIT, MAIN PCB

1. Mounting each part



● Fasten screws #164×3 by 14 turns.

2. Connecting connectors



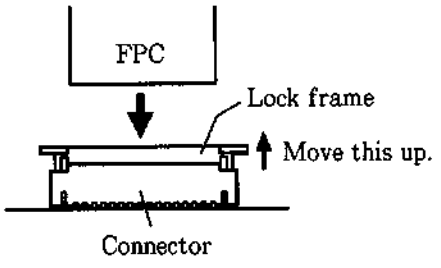
● How to connect connectors.

① Move up the lock frame.

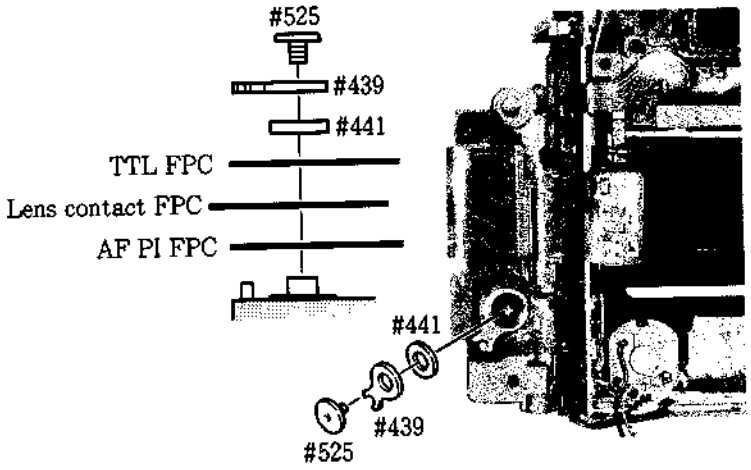
Note: Do not lift the lock frame forcefully as it may become disconnected from the connector.

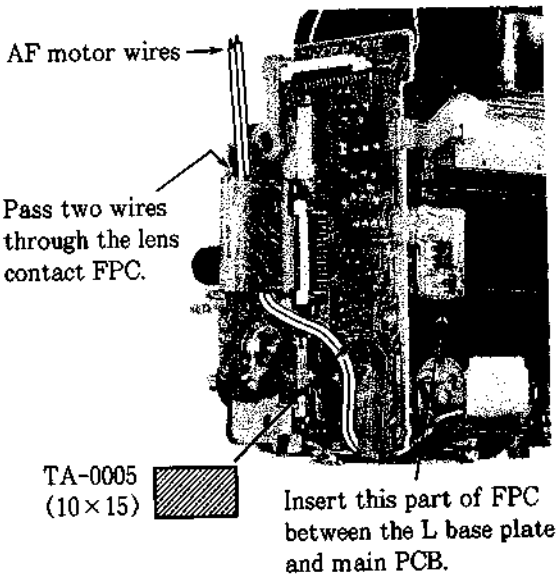
② Insert FPC into the connector. The FPC must be flat.

③ Move down the lock frame and lock the FPC.

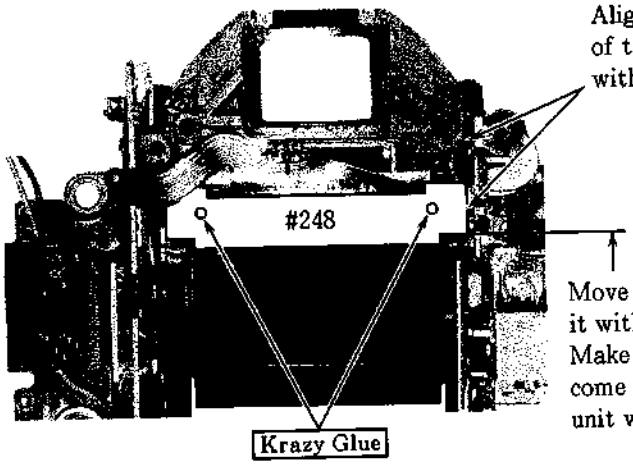


3. Press-contact, Arrange wires





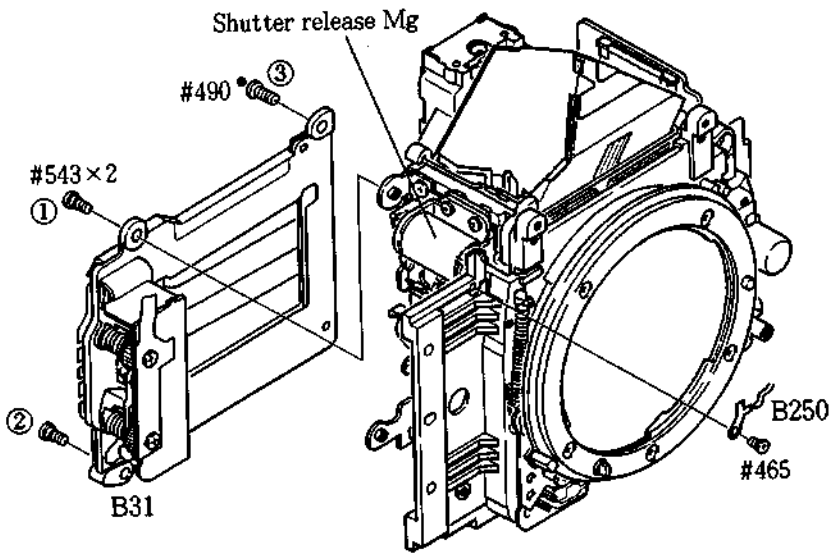
LIGHT BAFFLE PLATE #248



Align the horizontal position of the light baffle plate #248 with the pentaprism box.

Move up the main mirror and align it with part R of mirror unit. Make sure that main mirror does not come into contact with the mirror unit when moving up and down.

SHUTTER UNIT, GND PLATE

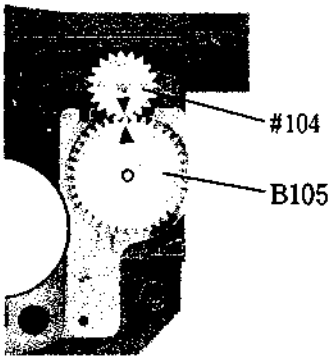


- Push the iron core of shutter release Mg to move up the main mirror. Then mount the shutter unit.
- Fasten screws #543×2 and #490 in the order from ① to ③.

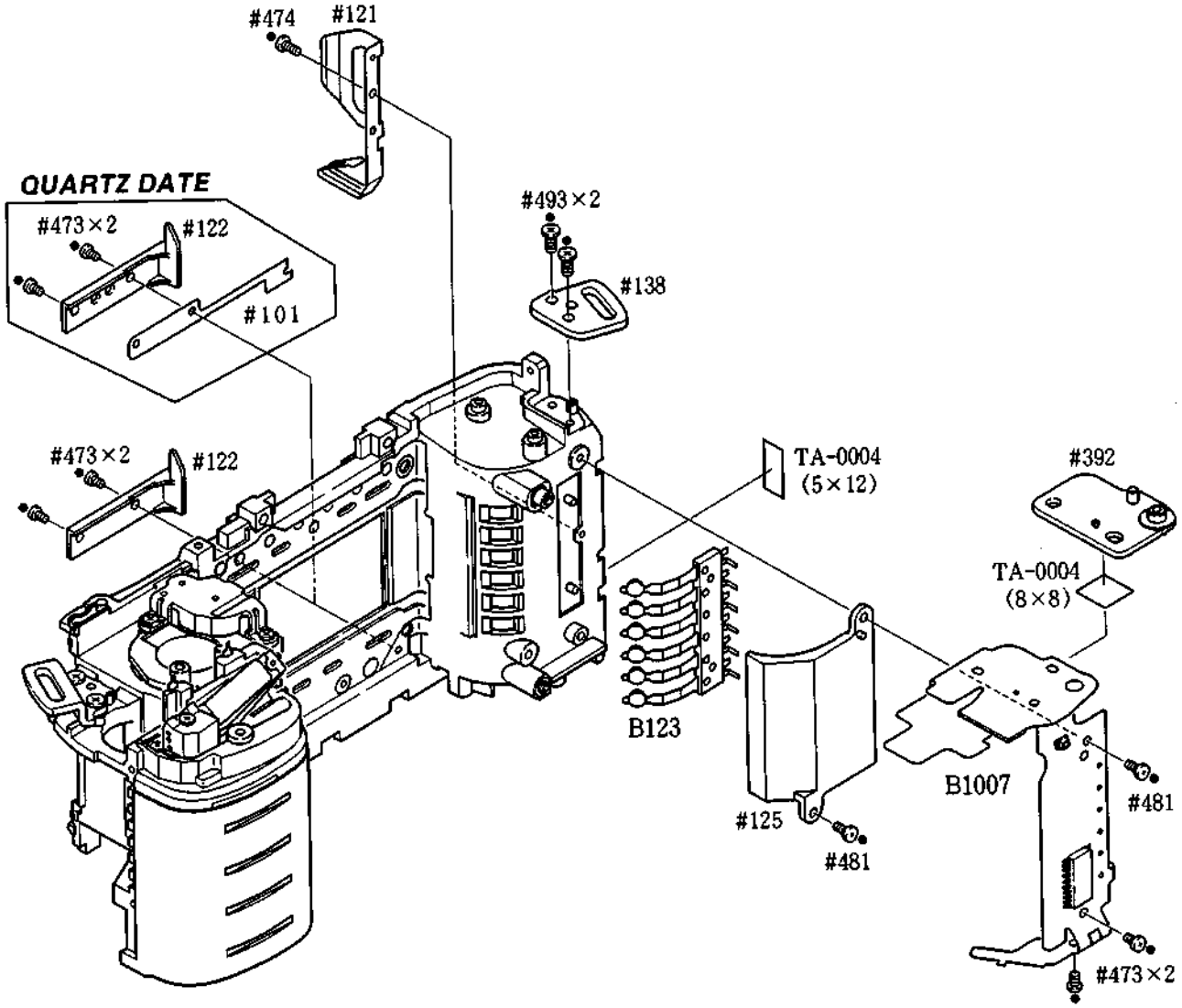
2. REAR BODY

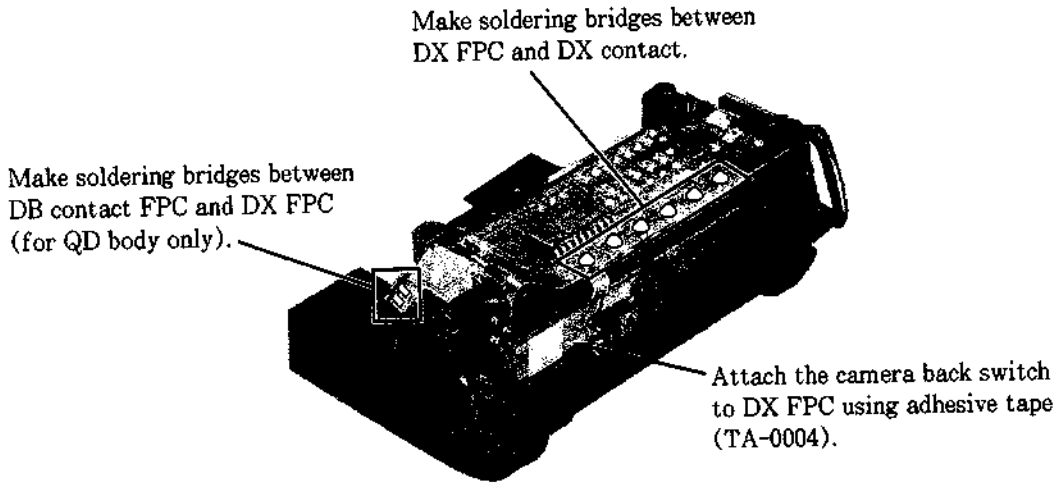
MOUNTING OF EACH PART ON THE SPOOL CHAMBER SIDE

● Marks "▲" of gear #104 and B105 should be aligned.



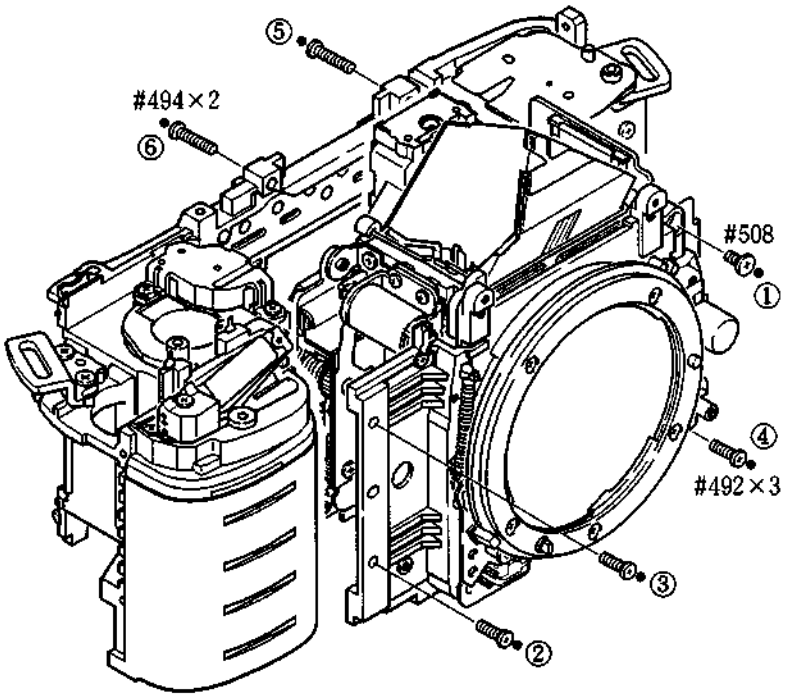
MOUNTING OF EACH PART ON THE FILM CARTRIDGE CHAMBER SIDE





3. FRONT BODY & REAR BODY

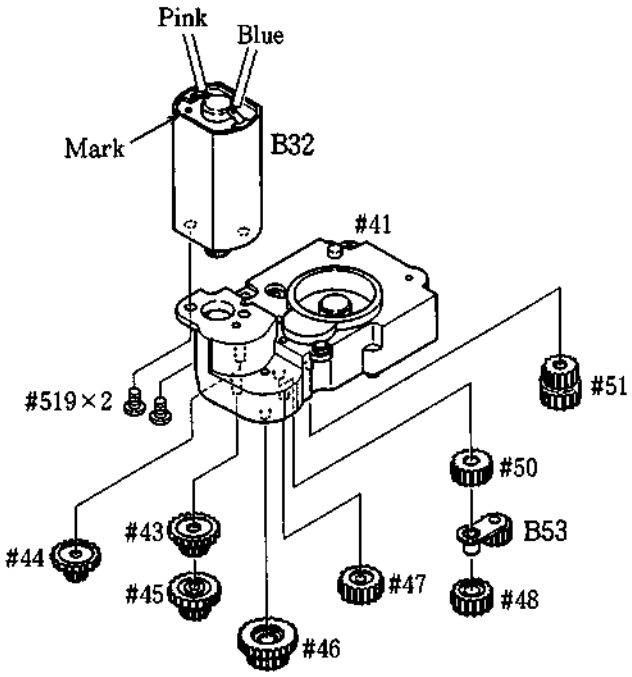
MOUNT FRONT BODY ON REAR BODY



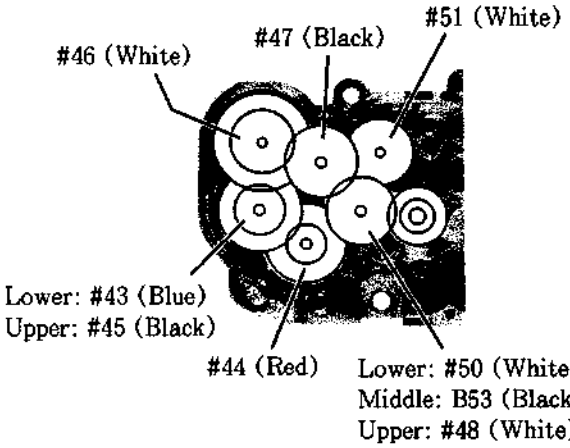
- Take care not to damage FPCs and wires.
- Fasten screws in the order from ① to ⑥.

FILM ADVANCE MECHANISM GROUP

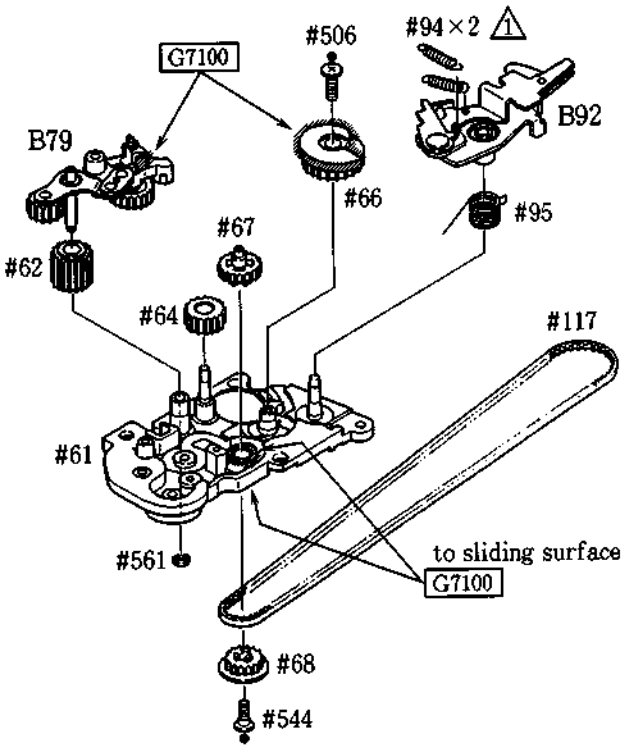
1. Film advance upper base plate group



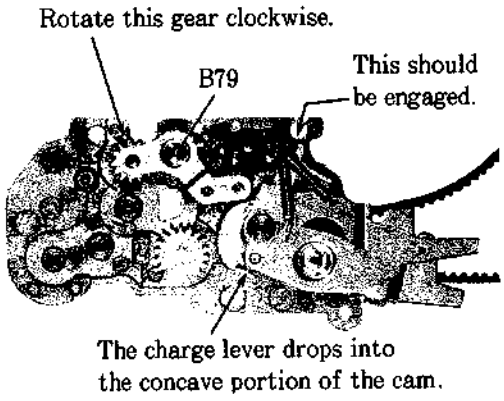
- Apply slightly grease G7100 to each gear and gear shaft.
- Mounting order of the gears
  #43 → #44 → #51 → #50 → #45 → #46 → #47 → B53 → #48



2. Film advance lower base plate group

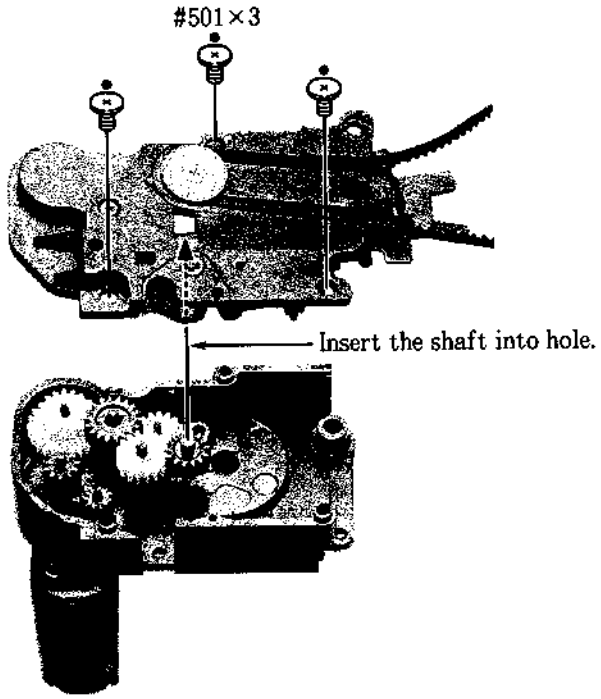


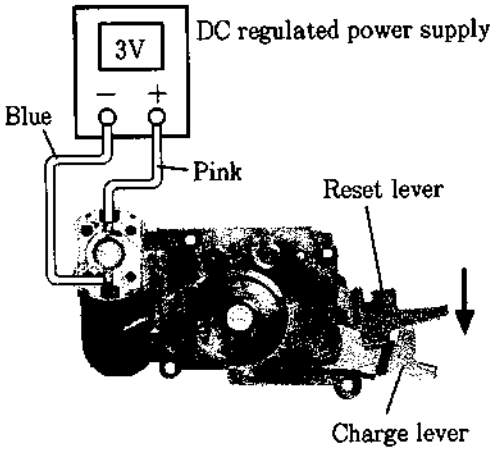
- Apply slightly grease G7100 to each gear and gear shaft.
- After assembling, rotate the gear of B79 to set the film advance lower base plate group to charging-completion state.



Charging-completion state

3. Mount lower base plate group on upper base plate group

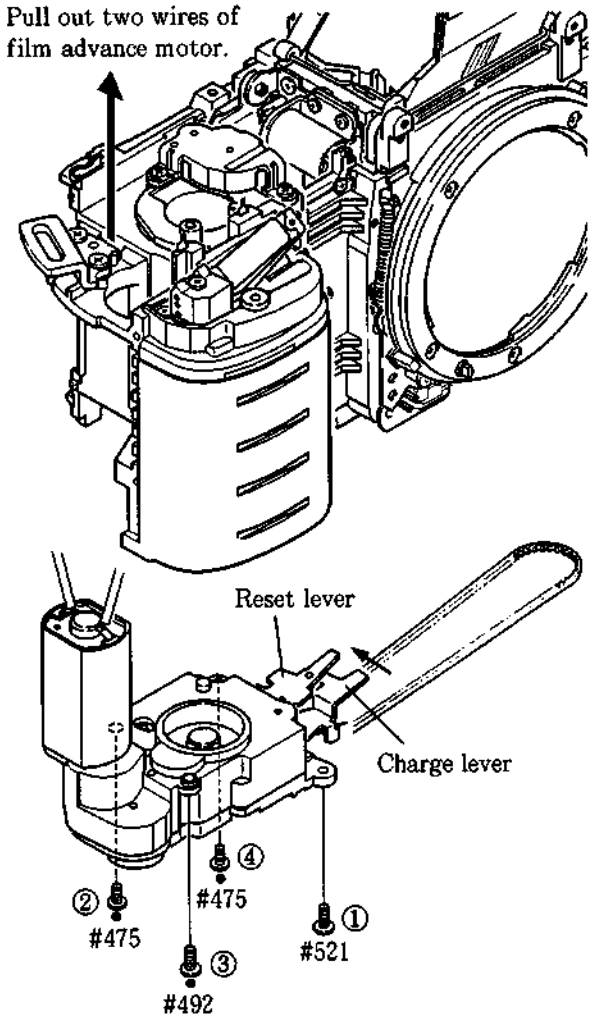




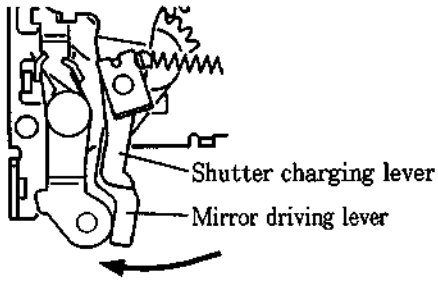
Inspection:

① Move the reset lever in the direction of arrow.
② As shown in the figure above, supply 3V to the film advance motor. Make sure that gear idles after moving charge lever and after changing to charging-completion state.
③ Turn the film advance motor in reverse direction to check if film rewind operation performs properly. Hold the motor to prevent the belt #117 from coming off.
④ After inspection, set to charging-completion state.

4. Mounting film advance mechanism group



① Set the shutter charging lever and mirror driving lever of I base plate to shutter side.

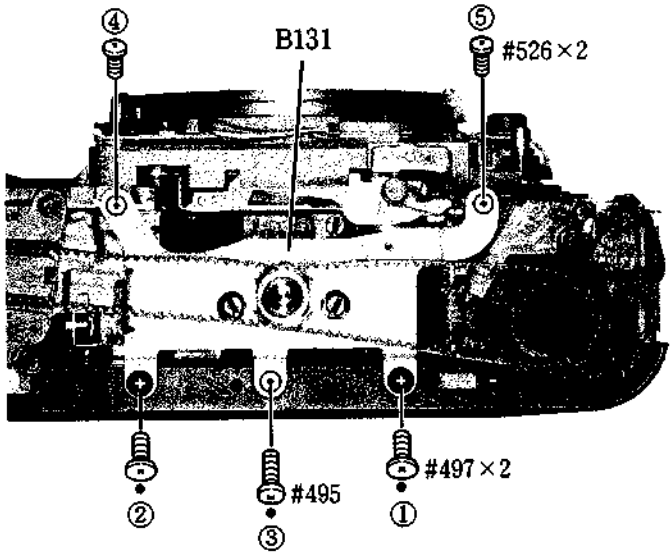


② Mount the film advance mechanism group on the body. Pull out two wires of film advance motor through the hole as shown in the figure on the left.

③ Fasten screws in the order from ① to ④.

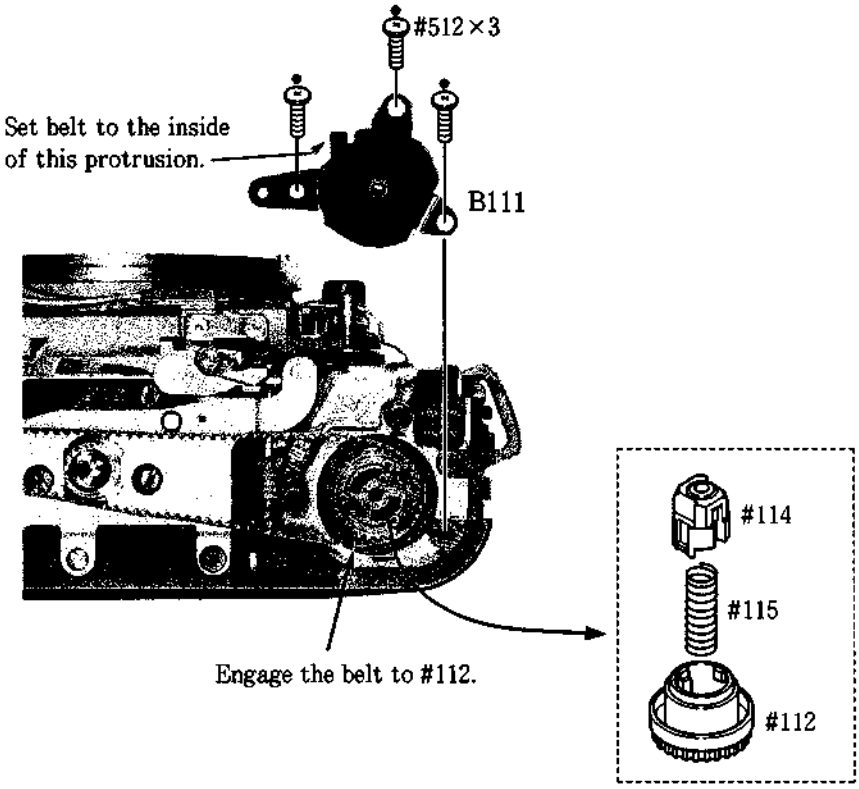
Note: If the second fastening screw #457 cannot be inserted due to the obstruction of other gear, move the charge lever on the film advance mechanism group in the direction of arrow to set the reset lever to the location shown in the figure on the left.

TRIPOD BASE PLATE B131

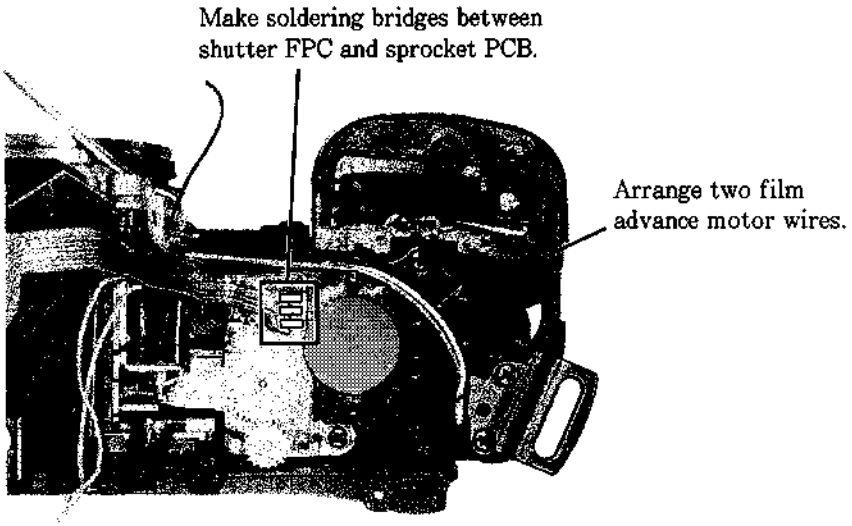


- Fasten screws in the order from ① to ⑤.

FILM REWIND FORK GROUP

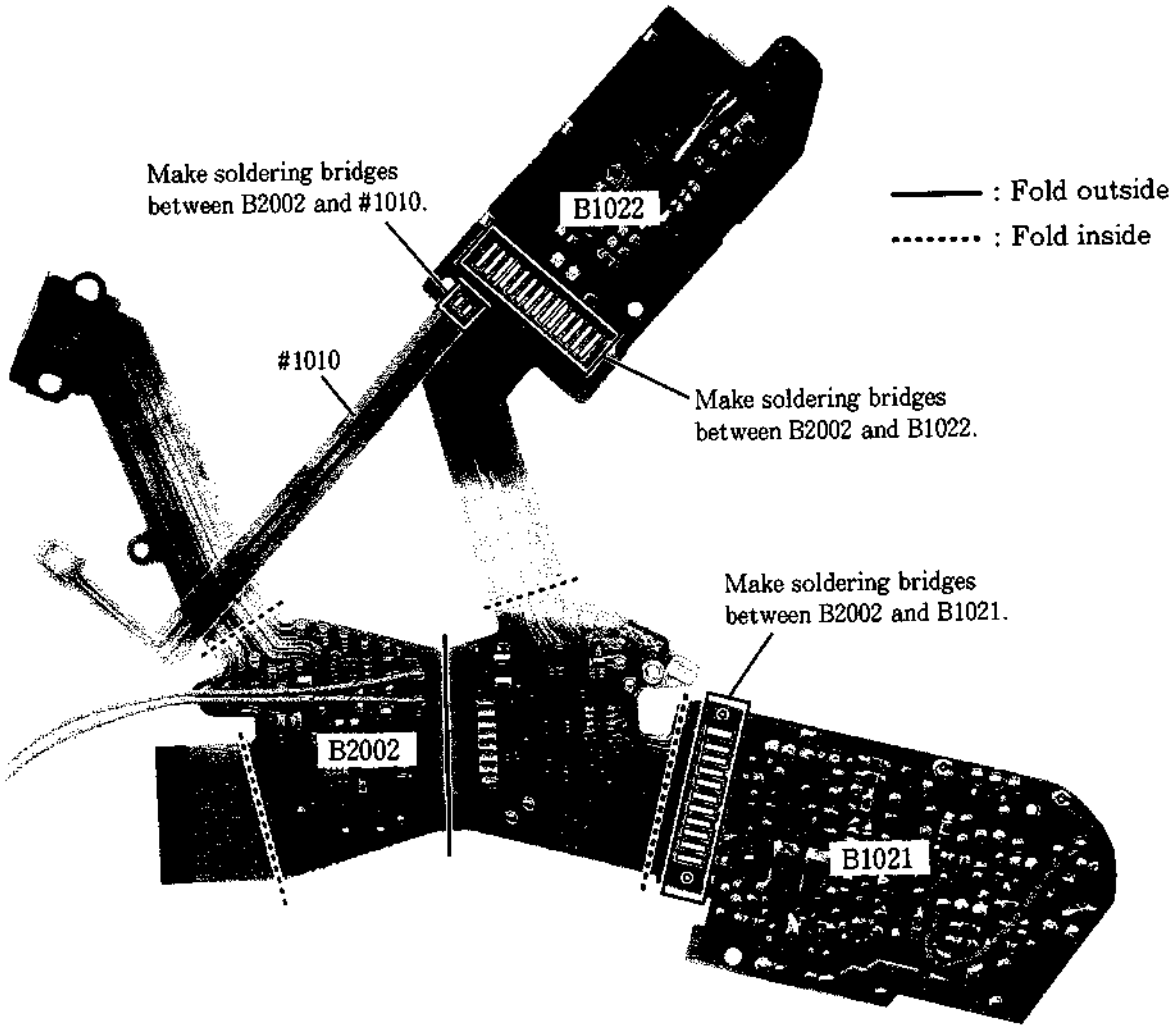


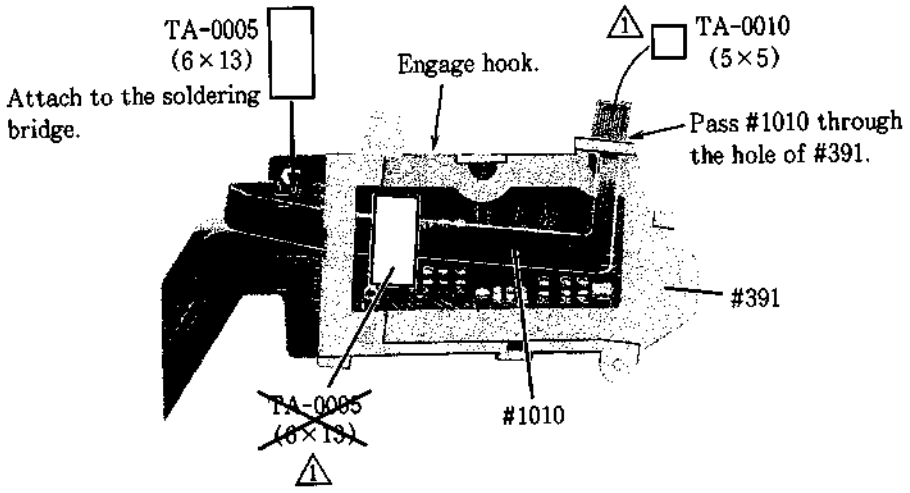
SOLDERING BRIDGES, ARRANGE WIRES



PENTA FPC GROUP

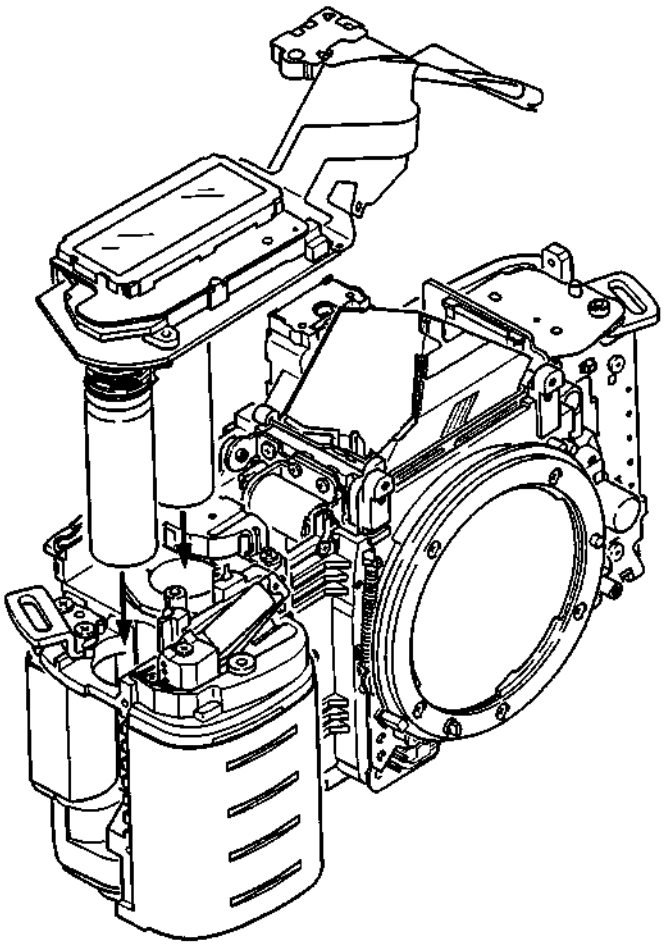
1. Assembling penta FPC group



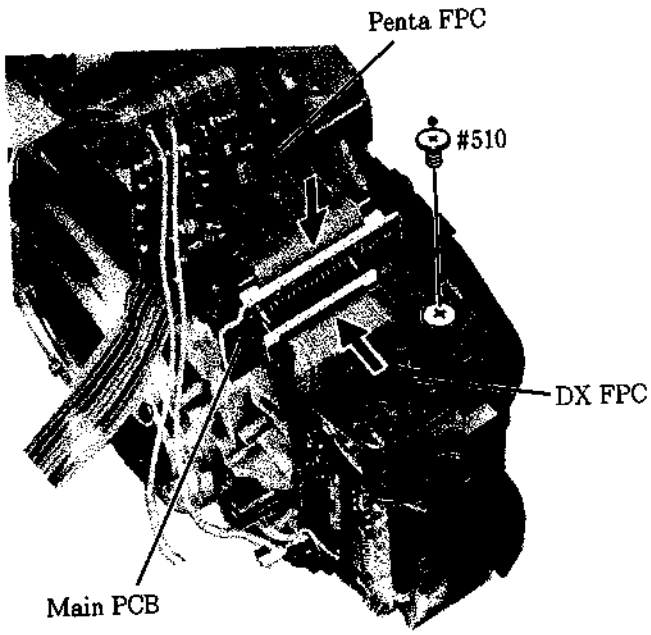


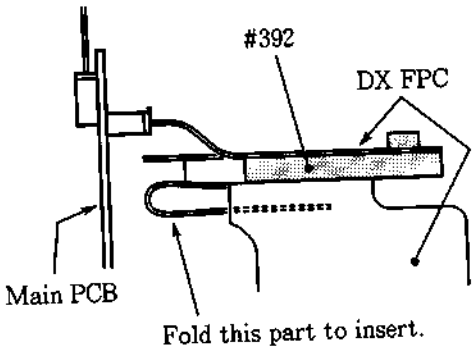
サービス課 M

2. Mounting penta FPC group

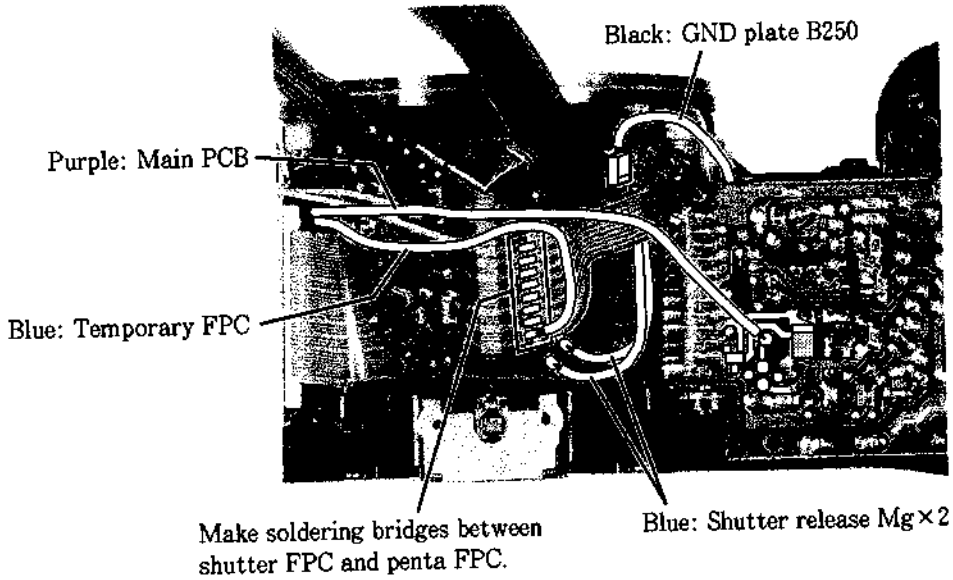


3. Connecting connectors

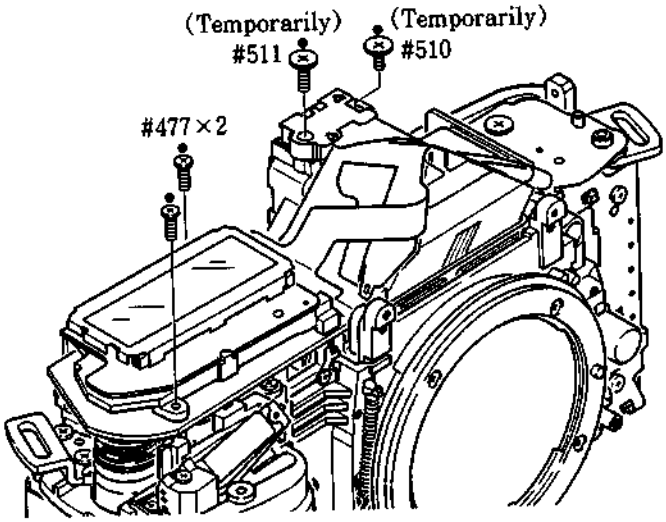




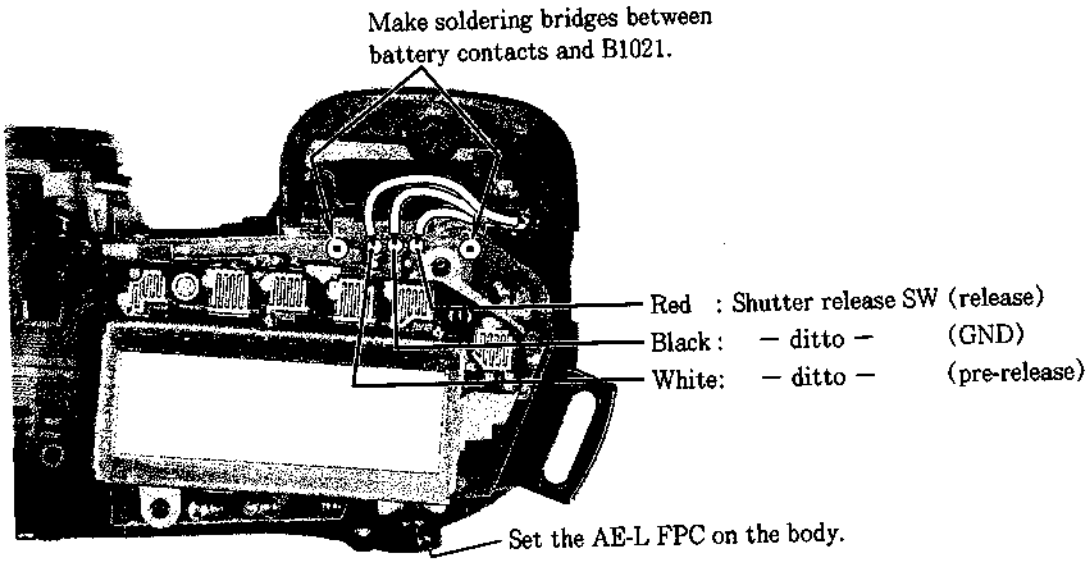
4. Soldering wires, Soldering bridges



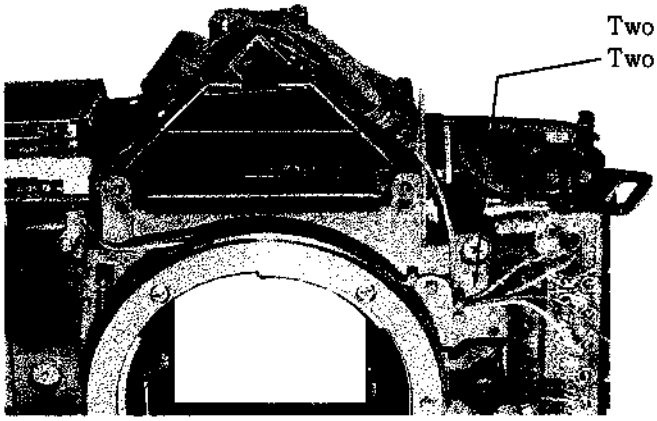
5. Attaching screws



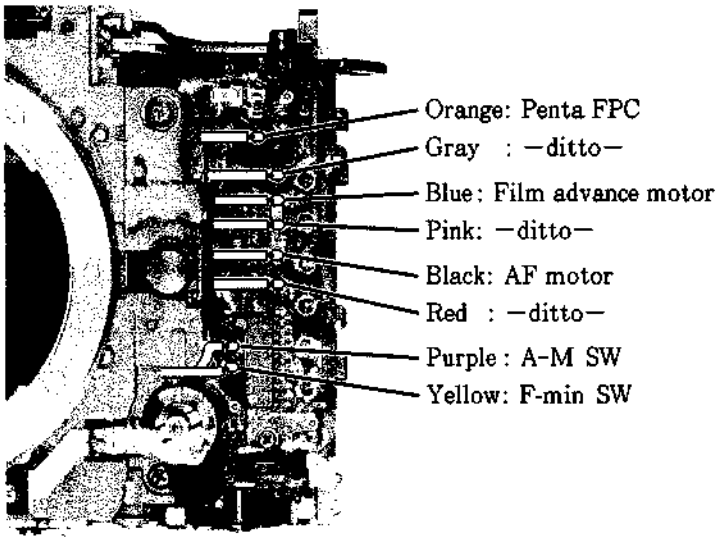
6. Soldering wires, Soldering bridges



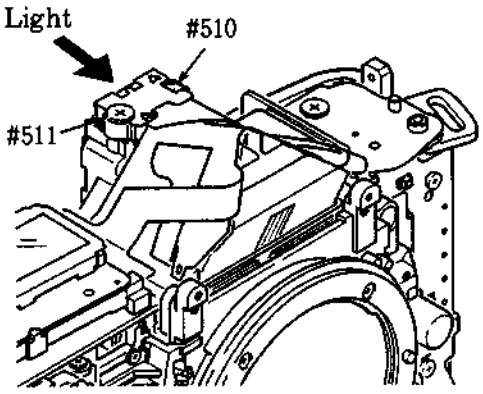
ARRANGE WIRES

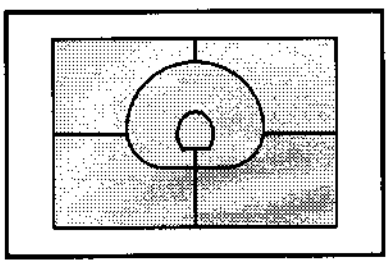


SOLDERING WIRES ON THE DX FPC



ADJUSTMENT OF AE SPD POSITION

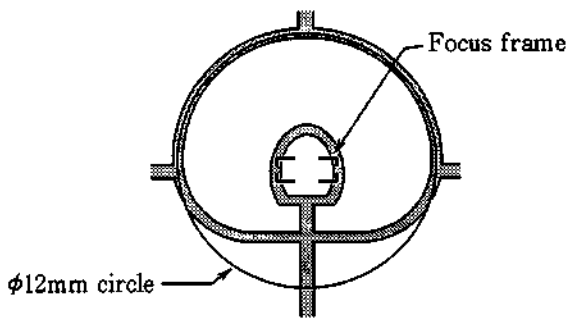




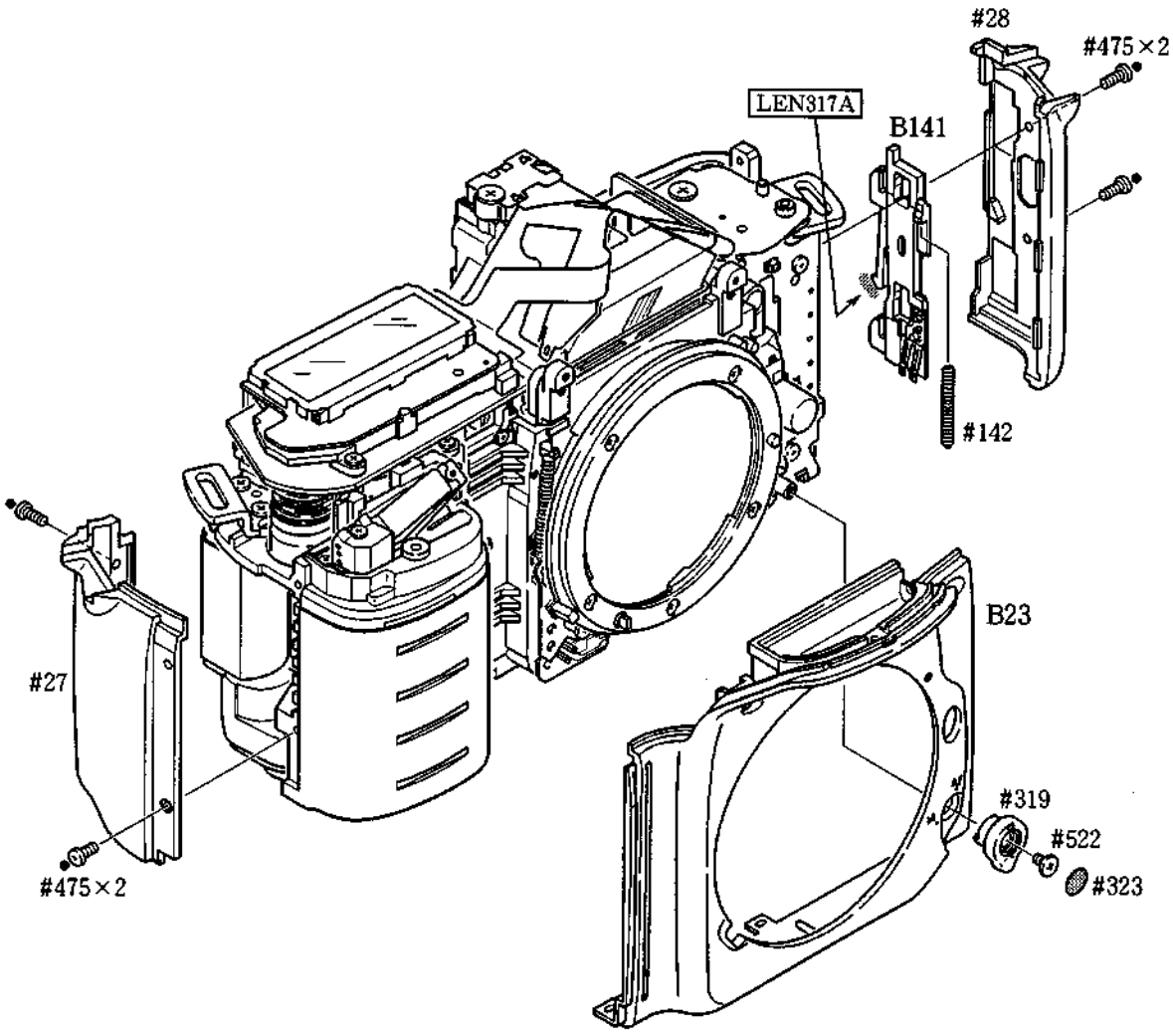
① Unfasten screws #510 and #511.

② Irradiate a strong light on the AE SPD so that the AE SPD patterns are reflected on the main mirror. (Refer to the figure below on the left.)

③ As shown the figure below, align the center of the AE SPDwith both the wide focus frame and the φ12mm circle. The AE SPD should be parallel to the main mirror.

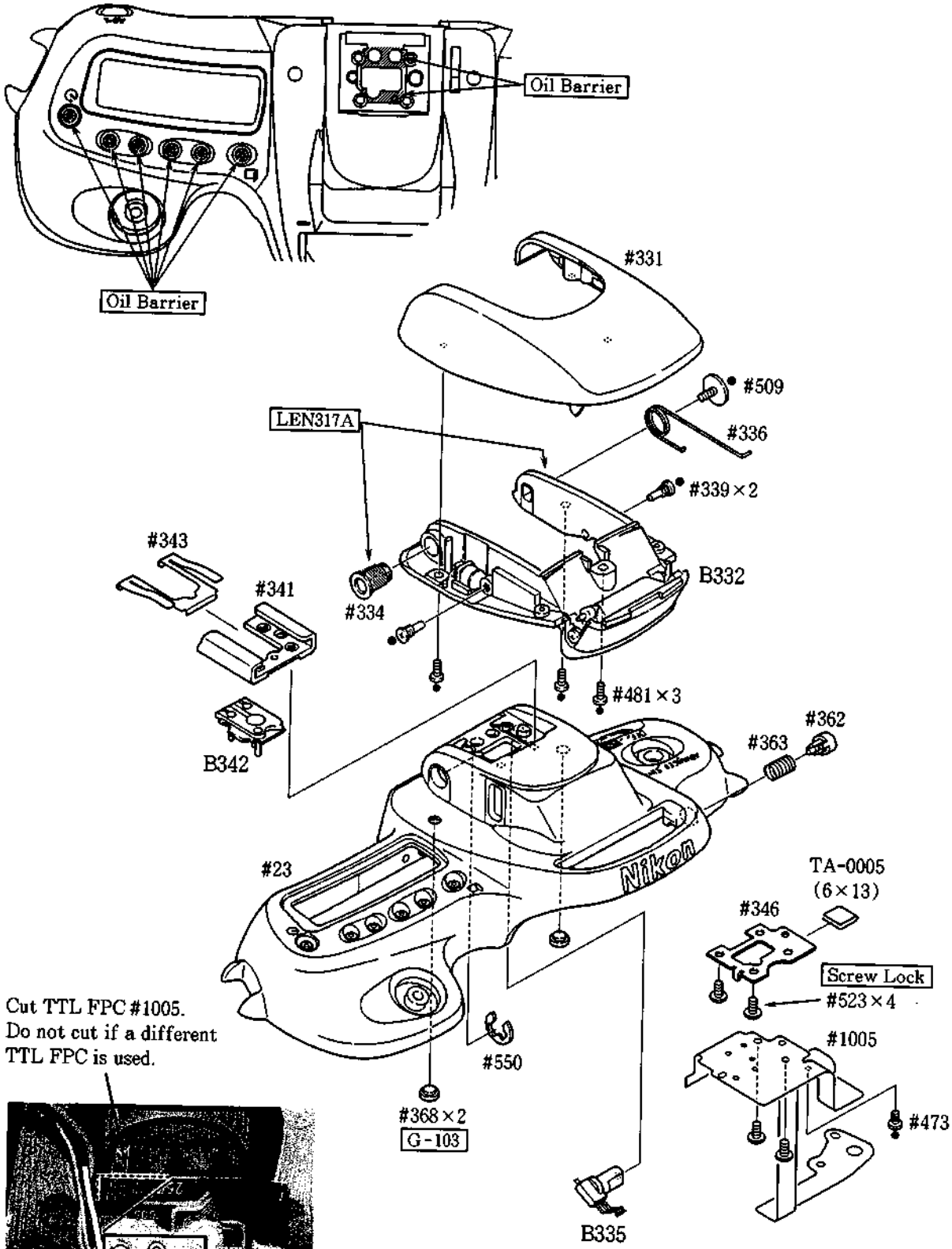


FRONT COVER, CAMERA BACK LOCK RELEASE, HAND GRIP REAR COVER

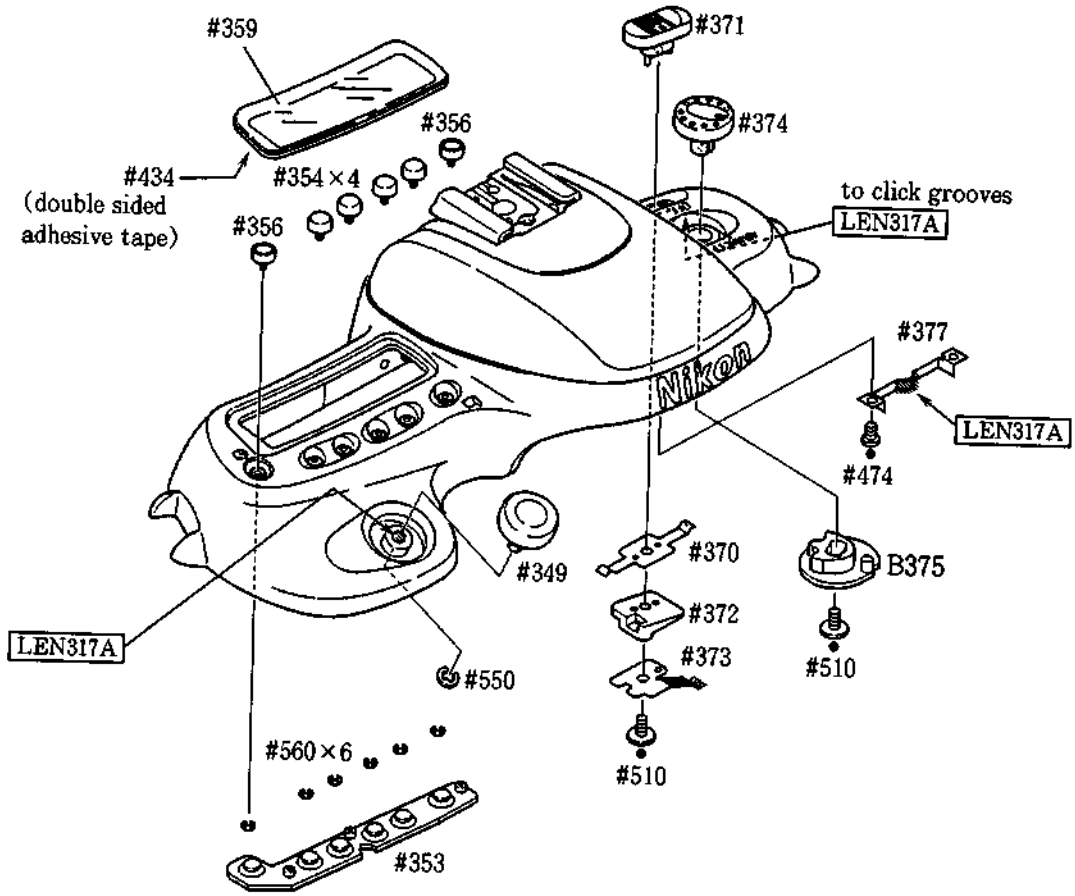


TOP COVER

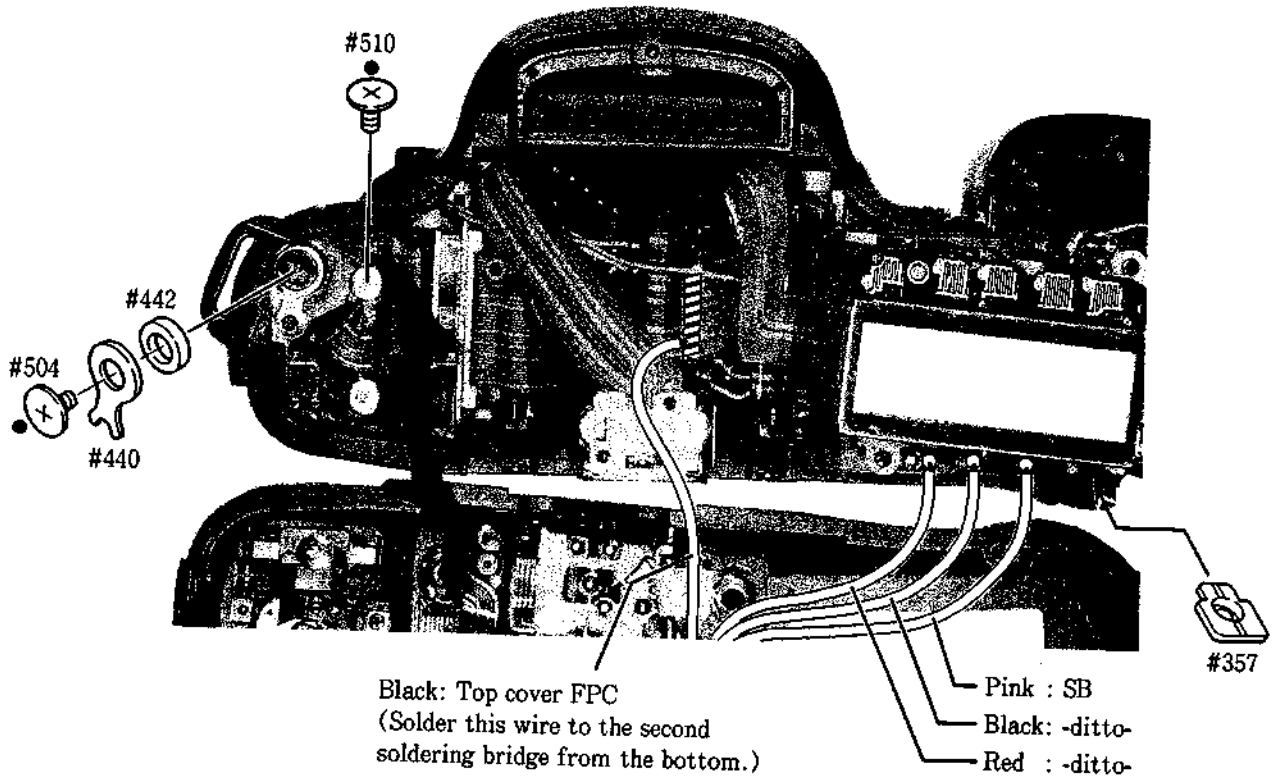
1. Mounting of each part (I)



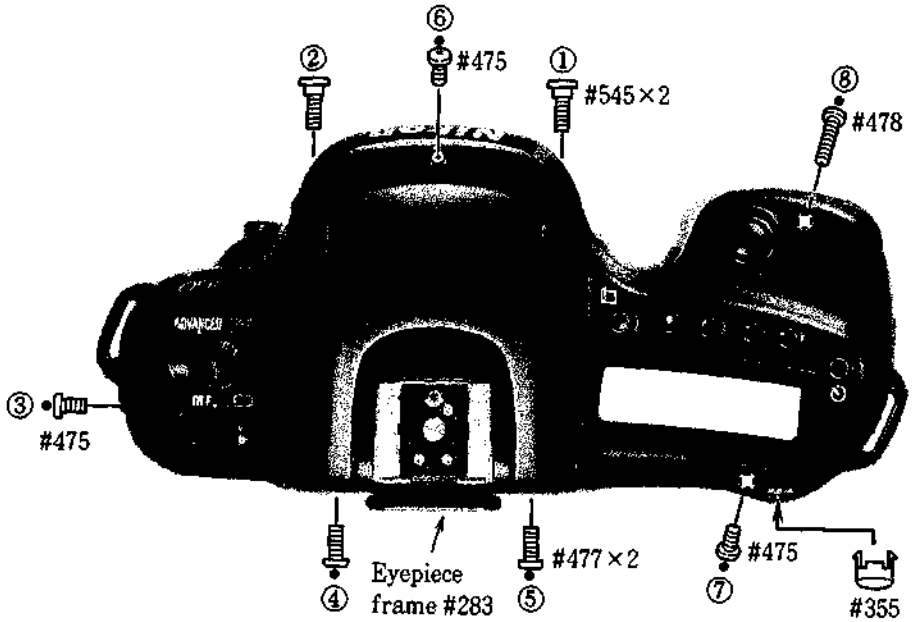
2. Mounting of each part (Ⅱ)



3. Soldering wires, Press-contact

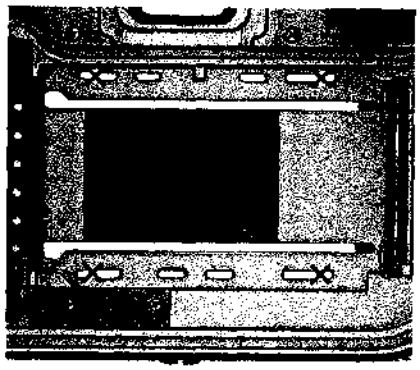


4. Mounting top cover



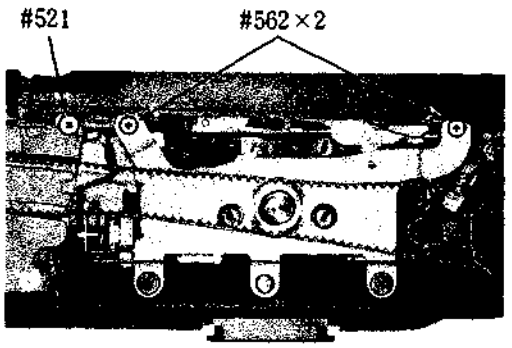
● Fasten screws in the order from ① to ⑧.

INSPECTION & ADJUSTMENT OF BODY BACK



● Measure the distance between the lens mount surface and the outer film guide rail.
Mark ×: Measured positions
Standard value: 46.67±0.02mm
Degree of parallel: within 0.02mm

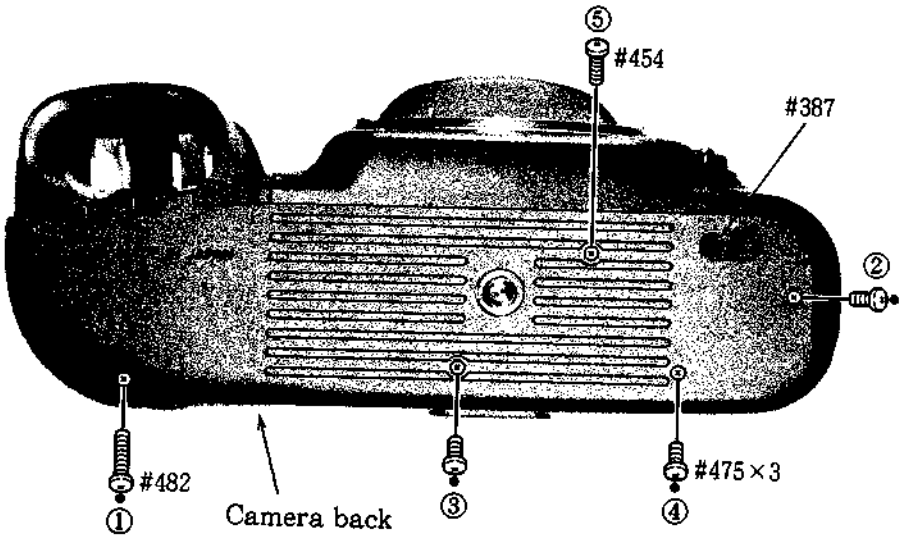
● If the measured value is out of the standard value, unfasten three screws as shown in the picture on the left to move the front body back and forth. Or adjust the distance by inserting the washers under the lens mount.



INSPECTION & ADJUSTMENT OF AE, AF, TTL, BATTERY CHECK VOLTAGE

● Make each inspection and adjustment as indicated on the computer display.

BOTTOM COVER, CAMERA BACK

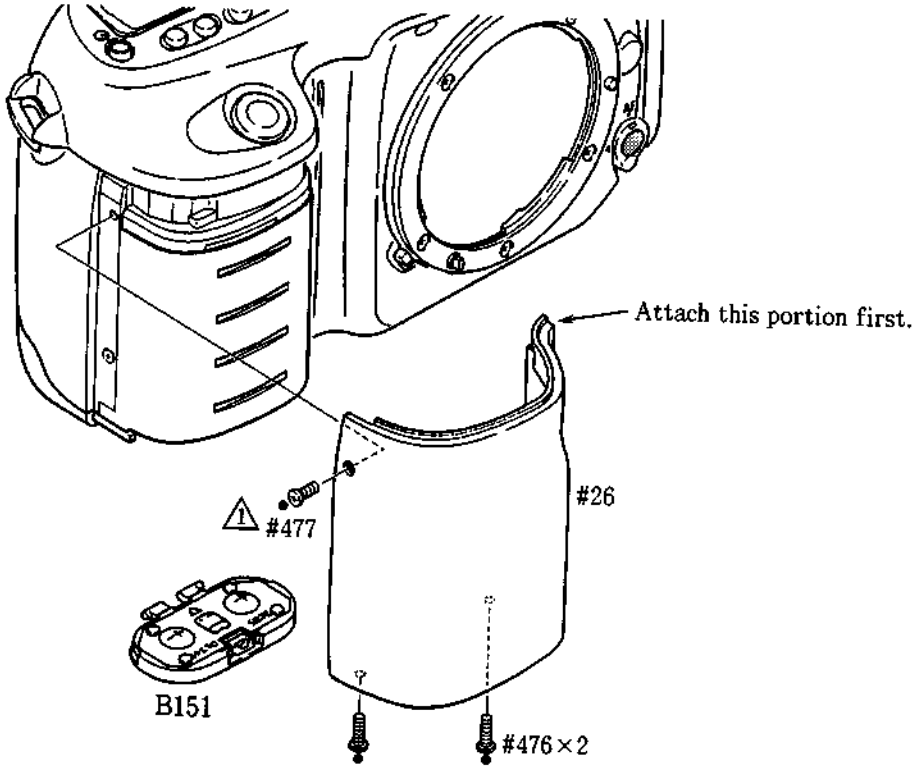


① Mount the camera back.

② Mount the bottom cover. Do not forget to attach film rewind rubber #387.

③ Fasten screws in the order from ① to ⑤.

HAND GRIP FRONT COVER, BATTERY CHAMBER COVER



CHECK & CLEAN

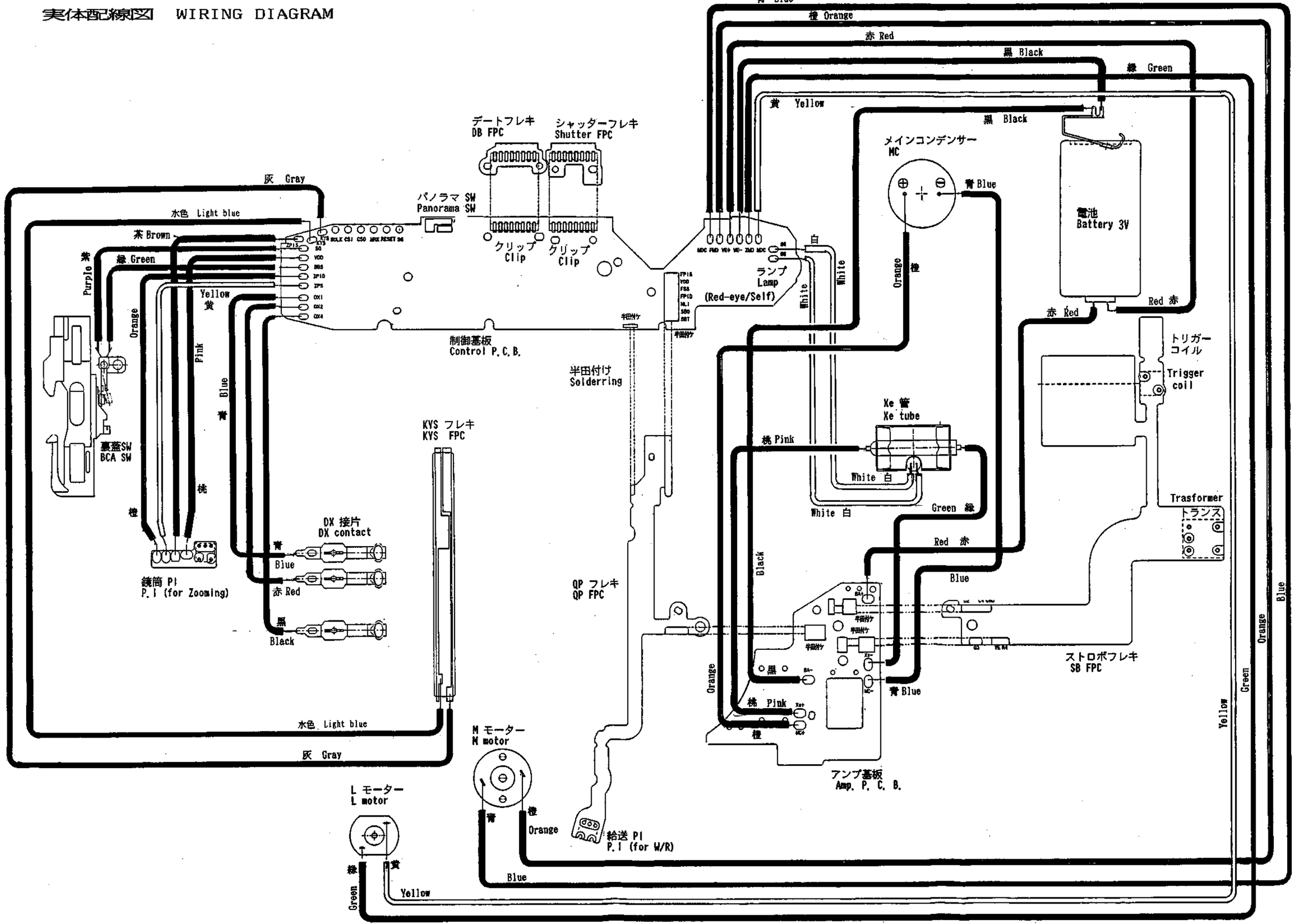
● Refer to the standard value of inspection and checking & adjustment programs.

サービス課
M

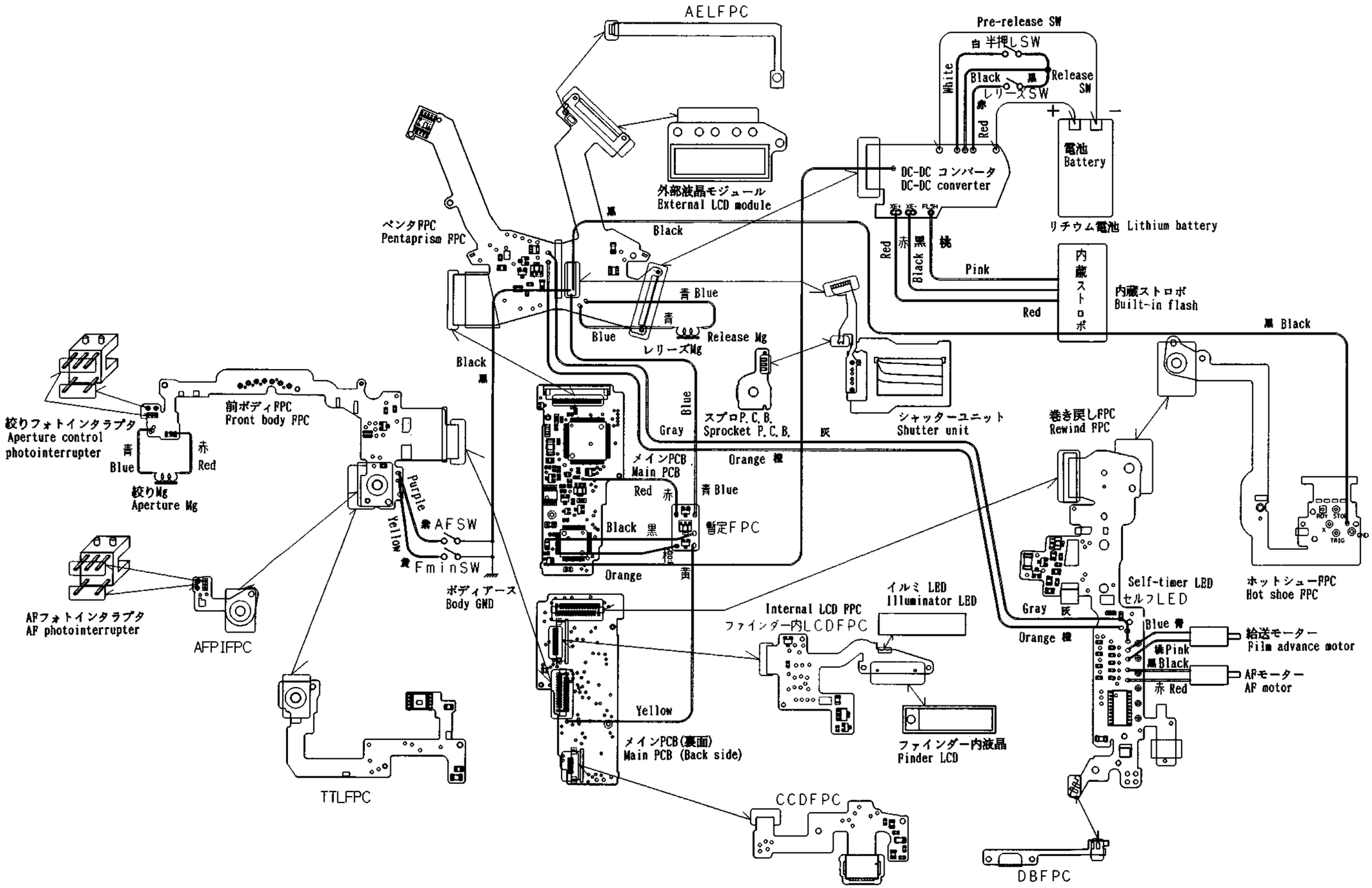
電 気 編

Electric Circuit

実体配線図 WIRING DIAGRAM



実体配線図 WIRING DIAGRAM



量産初期品
ORIGINAL

FAA29051-R, 3340, A

AELFPC

Pre-release SW

White 半押しSW

白

Black 黒

Release SW

レリーズSW

Red 赤

+

−

電池
Battery

DC-DC コンバータ
DC-DC converter

外部液晶モジュール
External LCD module

黒
Black

ペンタFPC
Pentaprism FPC

リチウム電池 Lithium battery

Red 赤

Black 黒

桃

Pink

内蔵ストロボ
Built-in flash

青 Blue

青

Blue

Release Mg

レリーズMg

黒 Black

Black
黒

Blue

スプロP.C.B.
Sprocket P.C.B.

灰

Gray

シャッターユニット
Shutter unit

巻き戻しFPC
Rewind FPC

絞りフォトインタラプタ
Aperture control photointerrupter

前ボディFPC
Front body FPC

青
Blue

赤
Red

絞りMg
Aperture Mg

メインPCB(表面)

Orange 橙

Red 赤

青 Blue

紫 Purple

黄
Yellow

AFSW

Black 黒

暫定FPC

FminSW

Orange 橙

黄

ボディアース
Body GND

AFフォトインタラプタ
AF photointerrupter

AFPIFPC

Internal LCD FPC
ファインダー内LCDFPC

イルミ LED
Illuminator LED

Gray

灰

Orange 橙

セルフ LED
Self-timer LED

ホットシューFPC
Hot shoe FPC

Blue 青

桃 Pink

黒 Black

赤 Red

給送モーター
Film advance motor

AFモーター
AF motor

Yellow

メインPCB(裏面)
Main PCB (Back side)

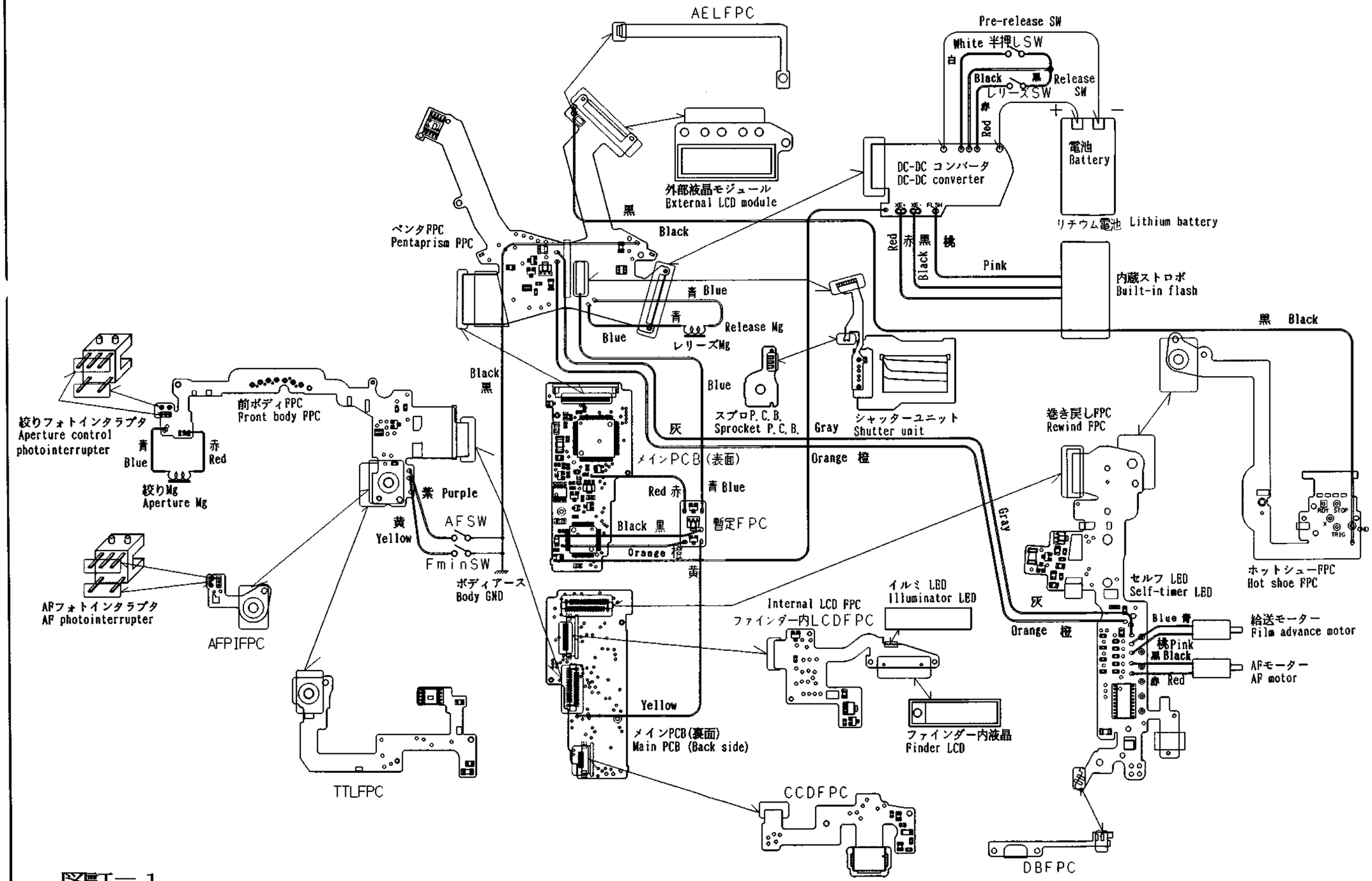
ファインダー内液晶
Finder LCD

TTLFPC

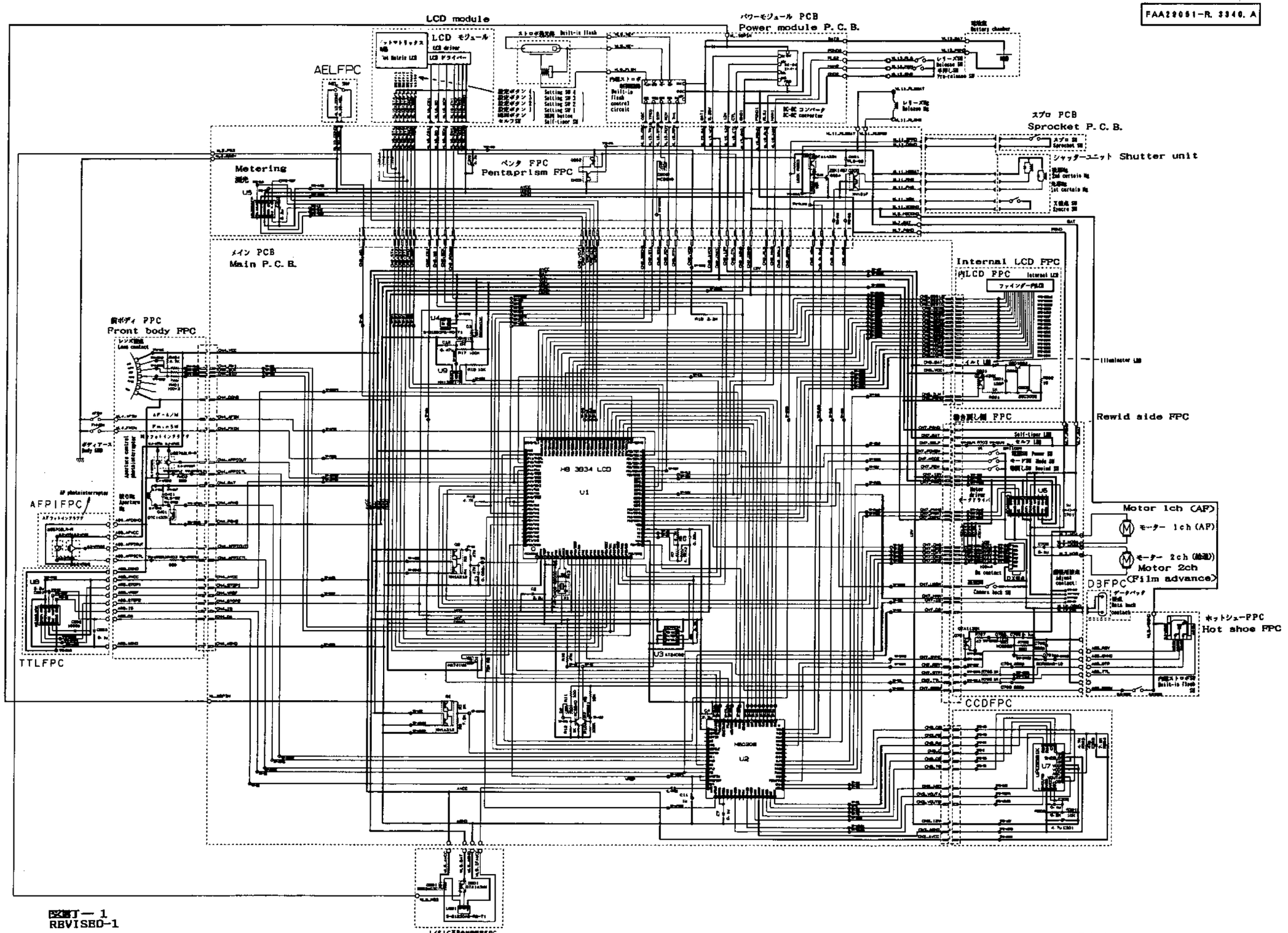
CCDFPC

DBFPC

図番丁— 1
REVISED--1



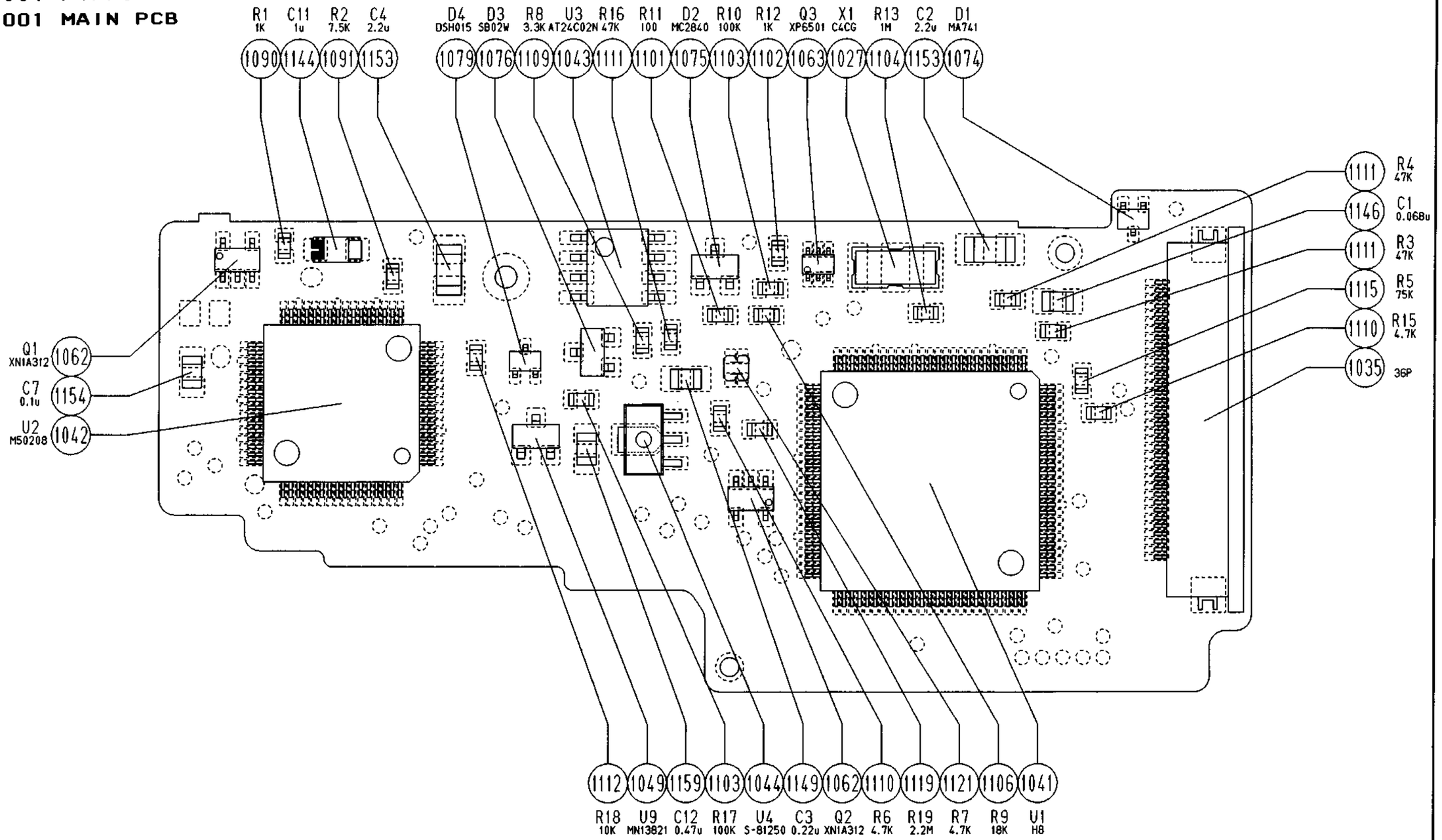
図番丁— 1
REVISED-1



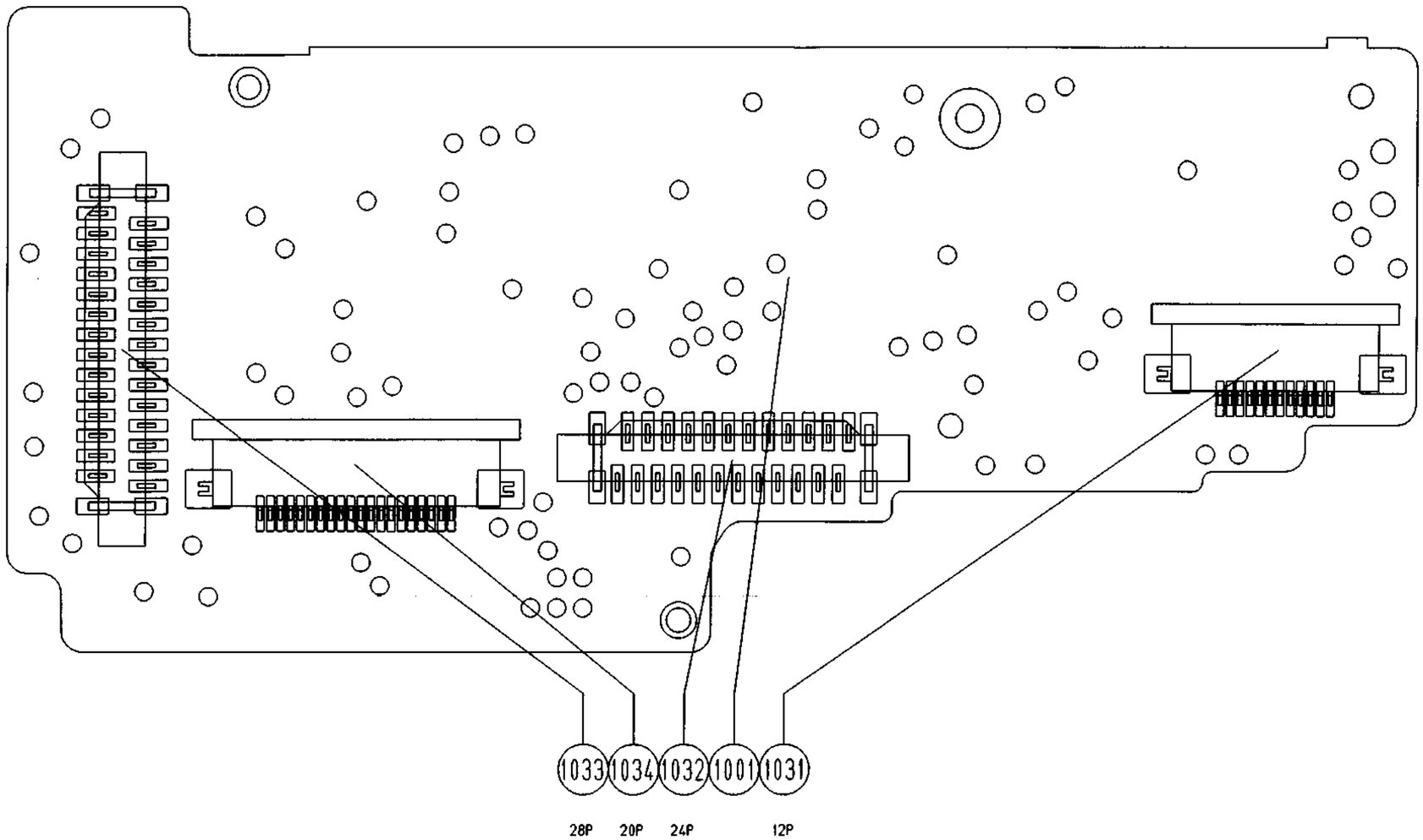
図面－1
RBVISBD-1

FAA29051-R. 3340. A

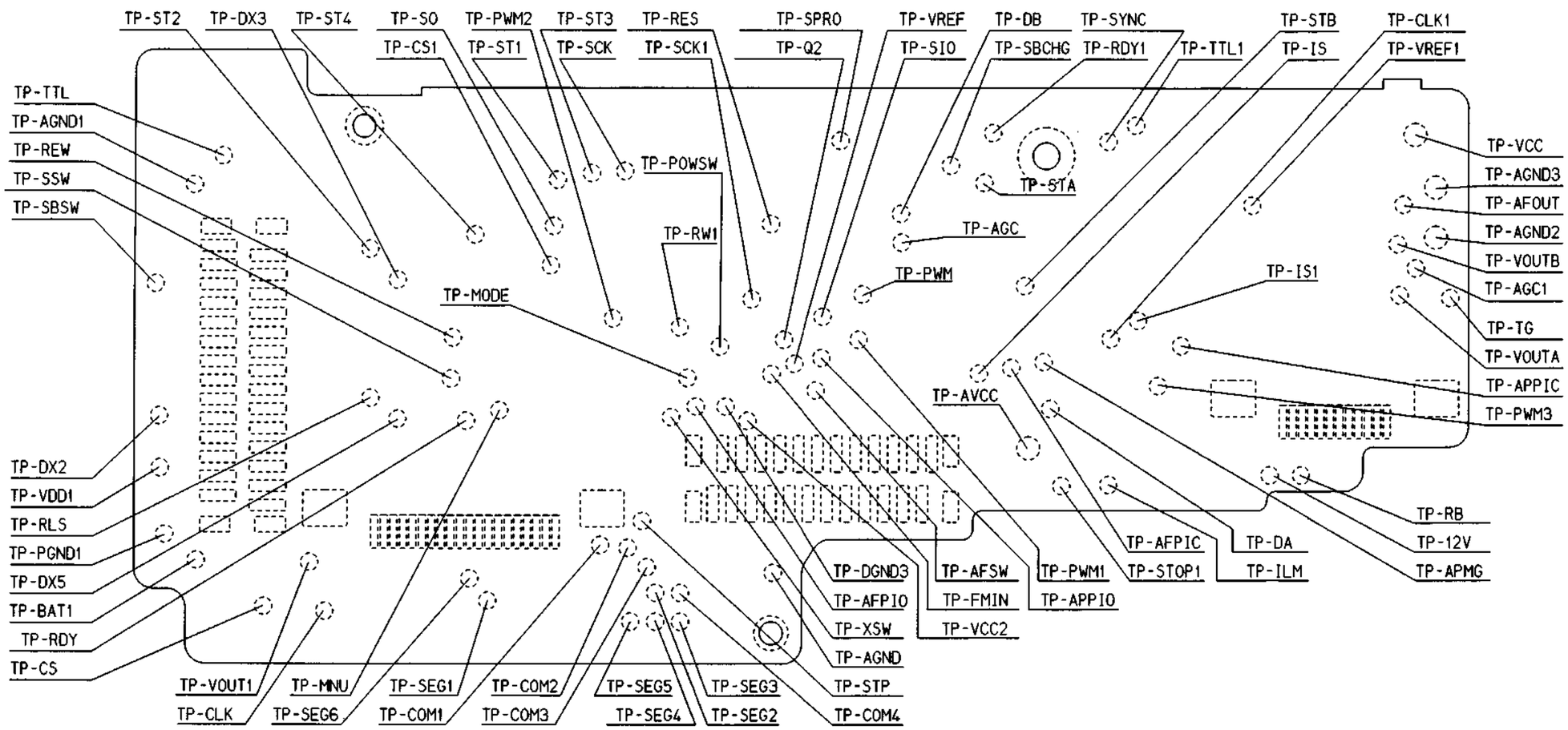
#1001 メインPCB
#1001 MAIN PCB



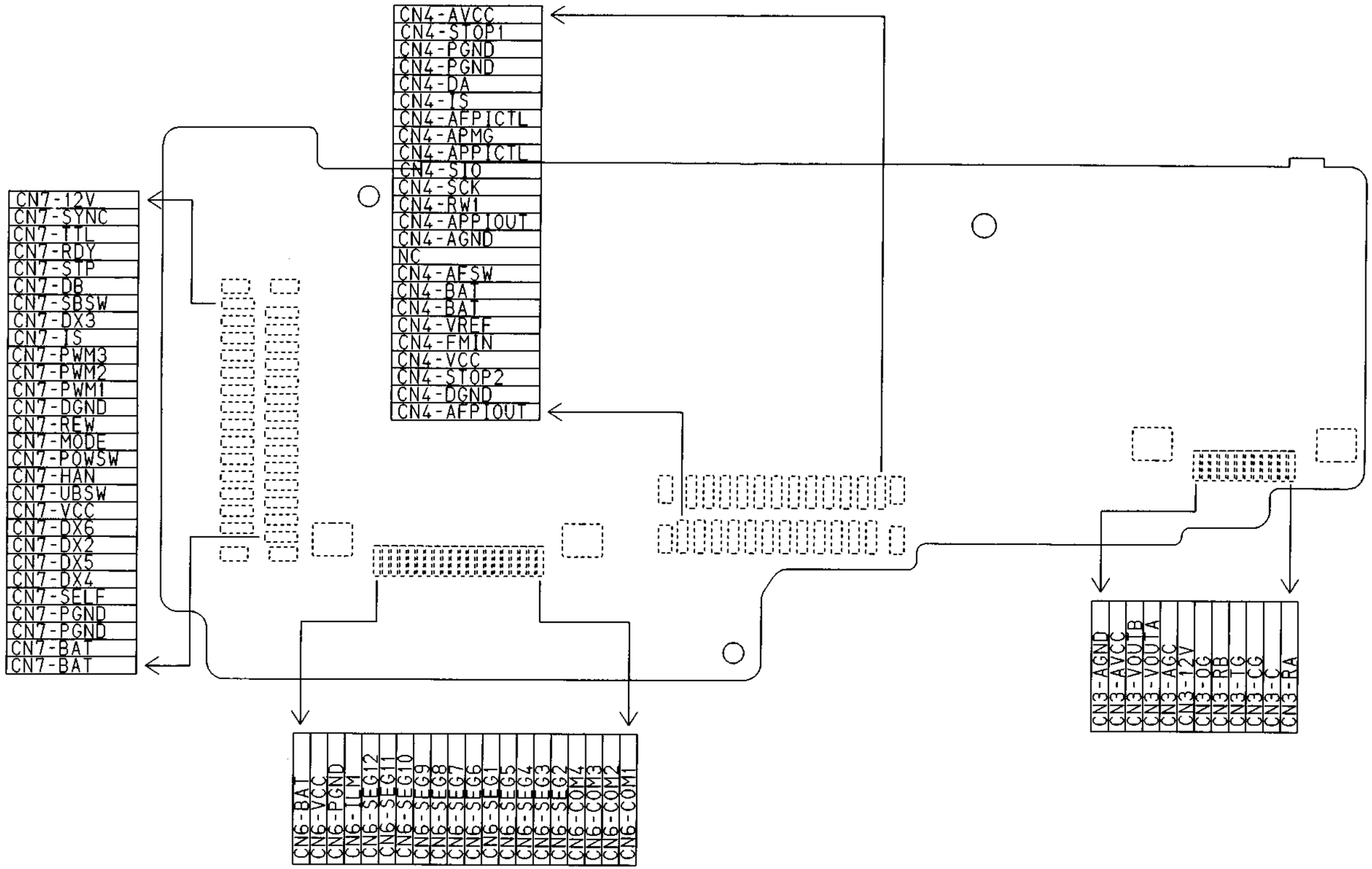
FAA29051-R. 3340. A



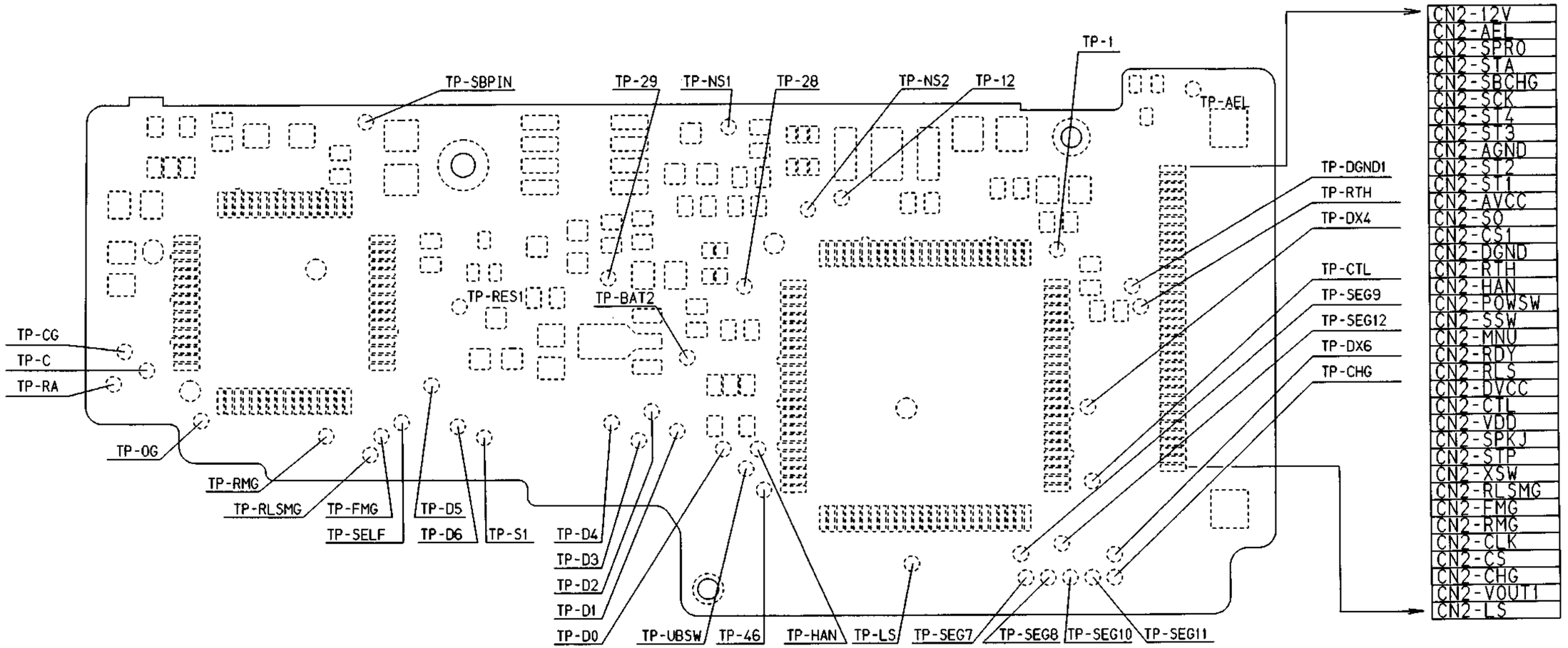
FAA29051-R, 3340, A



FAA29051-R, 3340, A

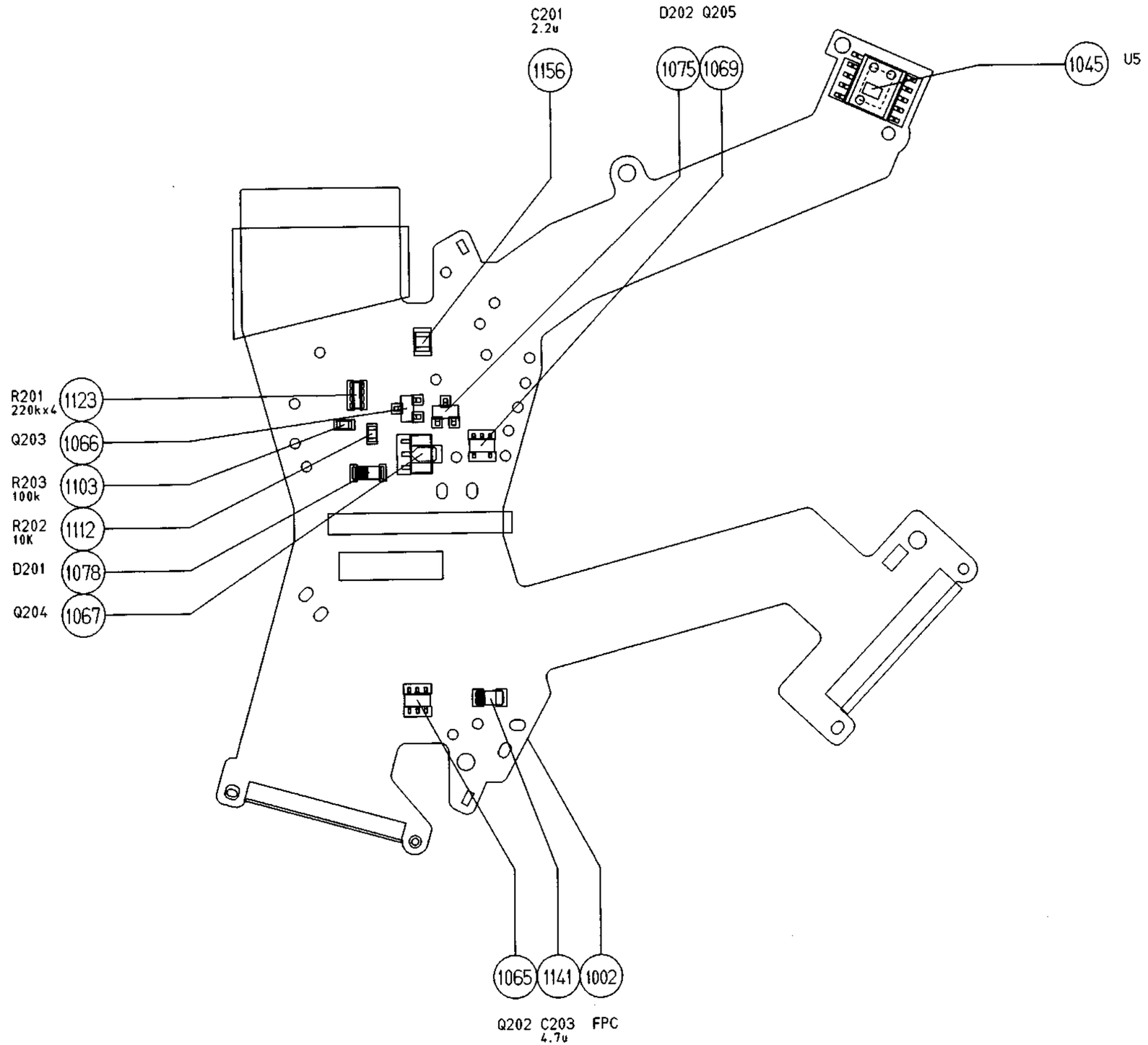


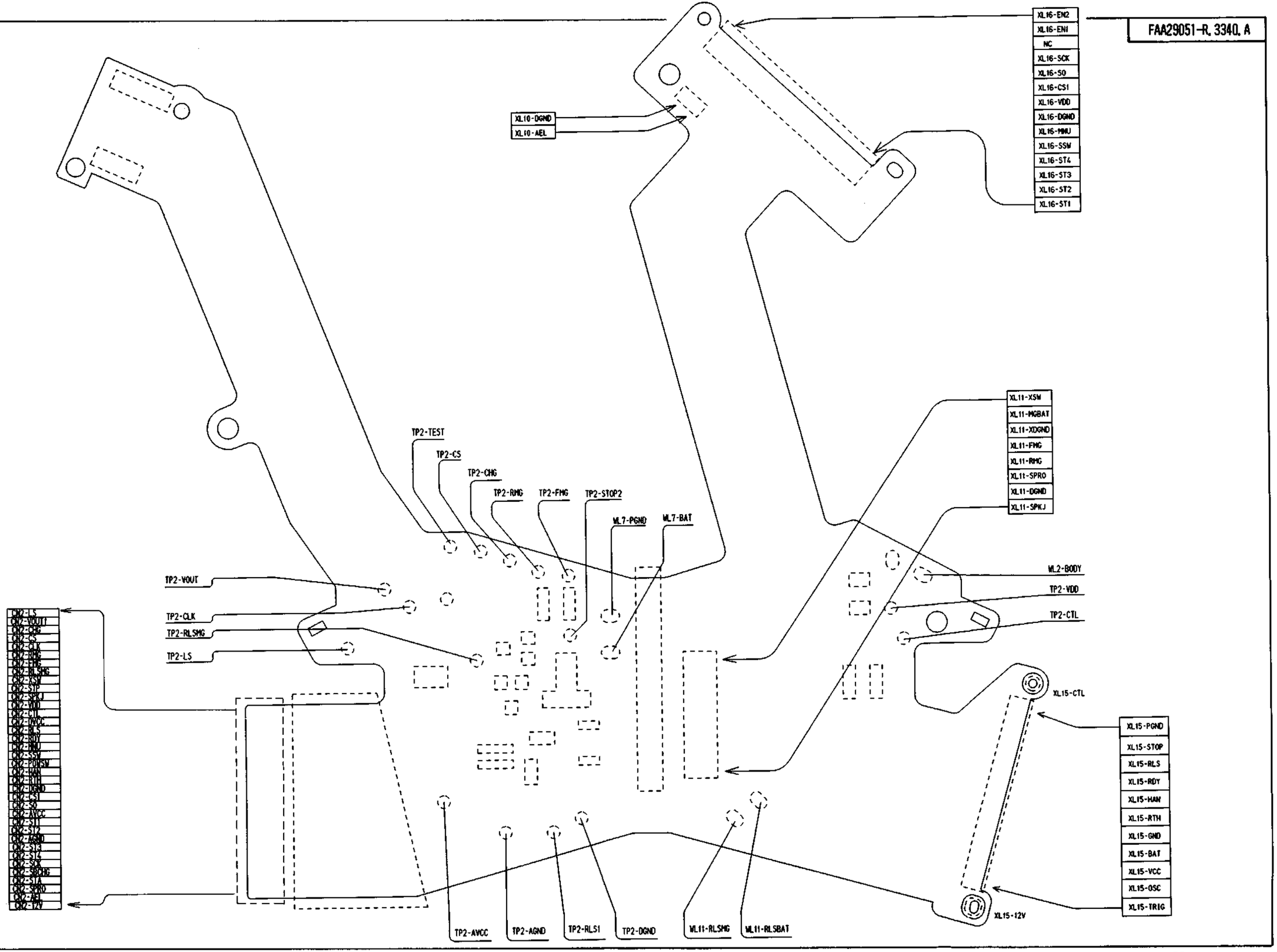
FAA29051-R, 3340, A



FAA29051-R, 3340. A

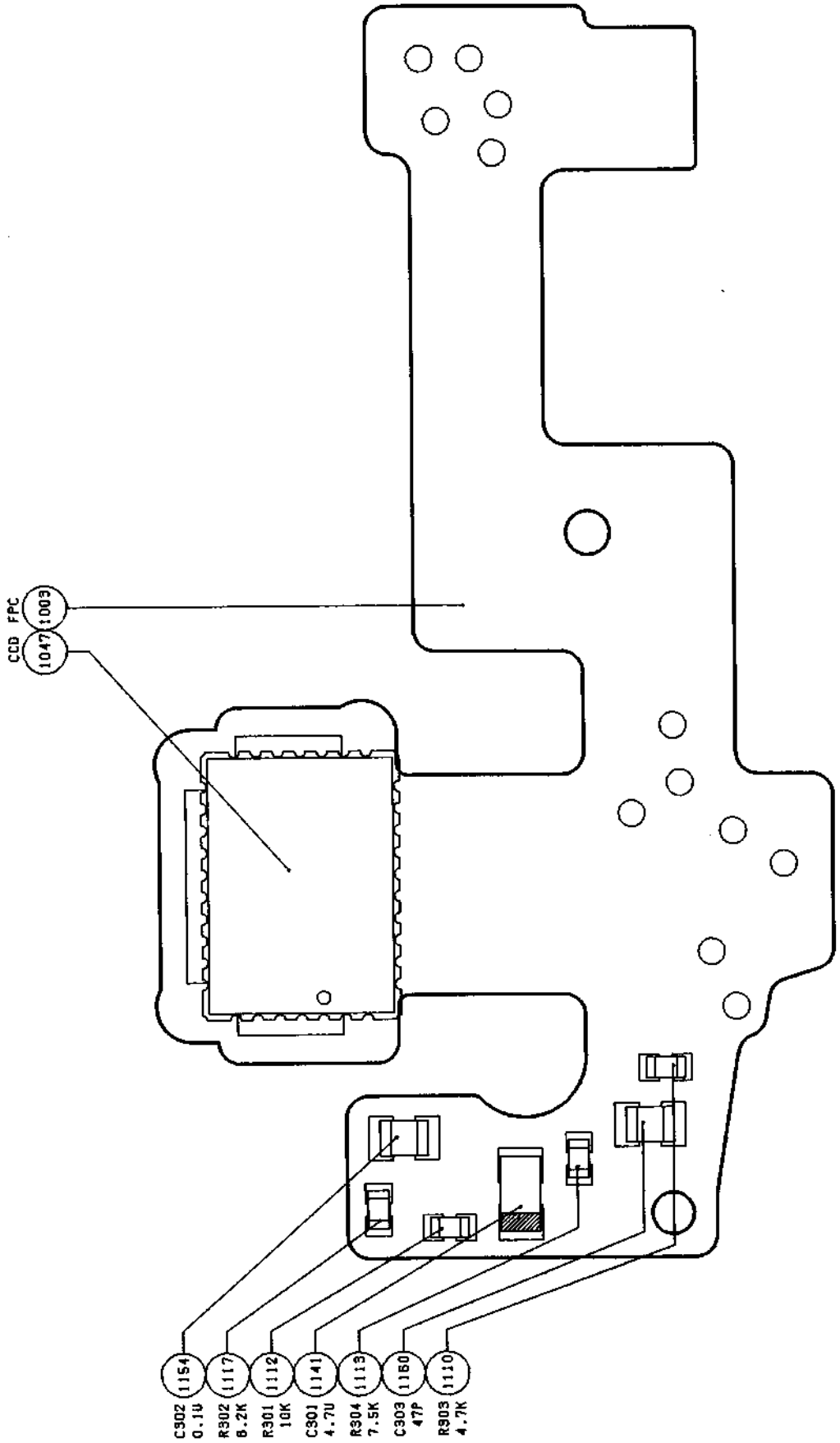
#1002 ペンタPCB
#1002 PENTAPRISM PCB




XL16-EN2
XL16-EN1
NC
XL16-SCK
XL16-SO
XL16-CS1
XL16-VDD
XL16-DGND
XL16-MMU
XL16-SSW
XL16-ST4
XL16-ST3
XL16-ST2
XL16-ST1
XL10-DGND
XL10-AEL
XL11-XSW
XL11-MGBAT
XL11-XDGND
XL11-FMG
XL11-RMG
XL11-SPRO
XL11-DGND
XL11-SPKJ
TP2-TEST
TP2-CS
TP2-CHG
TP2-RMG
TP2-FMG
TP2-STOP2
ML7-PGND
ML7-BAT
TP2-VOUT
TP2-CLK
TP2-RLSMG
TP2-LS
ML2-BODY
TP2-VDD
TP2-CTL
XL15-CTL
XL15-PGND
XL15-STOP
XL15-RLS
XL15-RDY
XL15-HAN
XL15-RTH
XL15-GND
XL15-BAT
XL15-VCC
XL15-OSC
XL15-TRIG
XL15-12V
TP2-AVCC
TP2-AGND
TP2-RLS1
TP2-DGND
ML11-RLSMG
ML11-RLSBAT

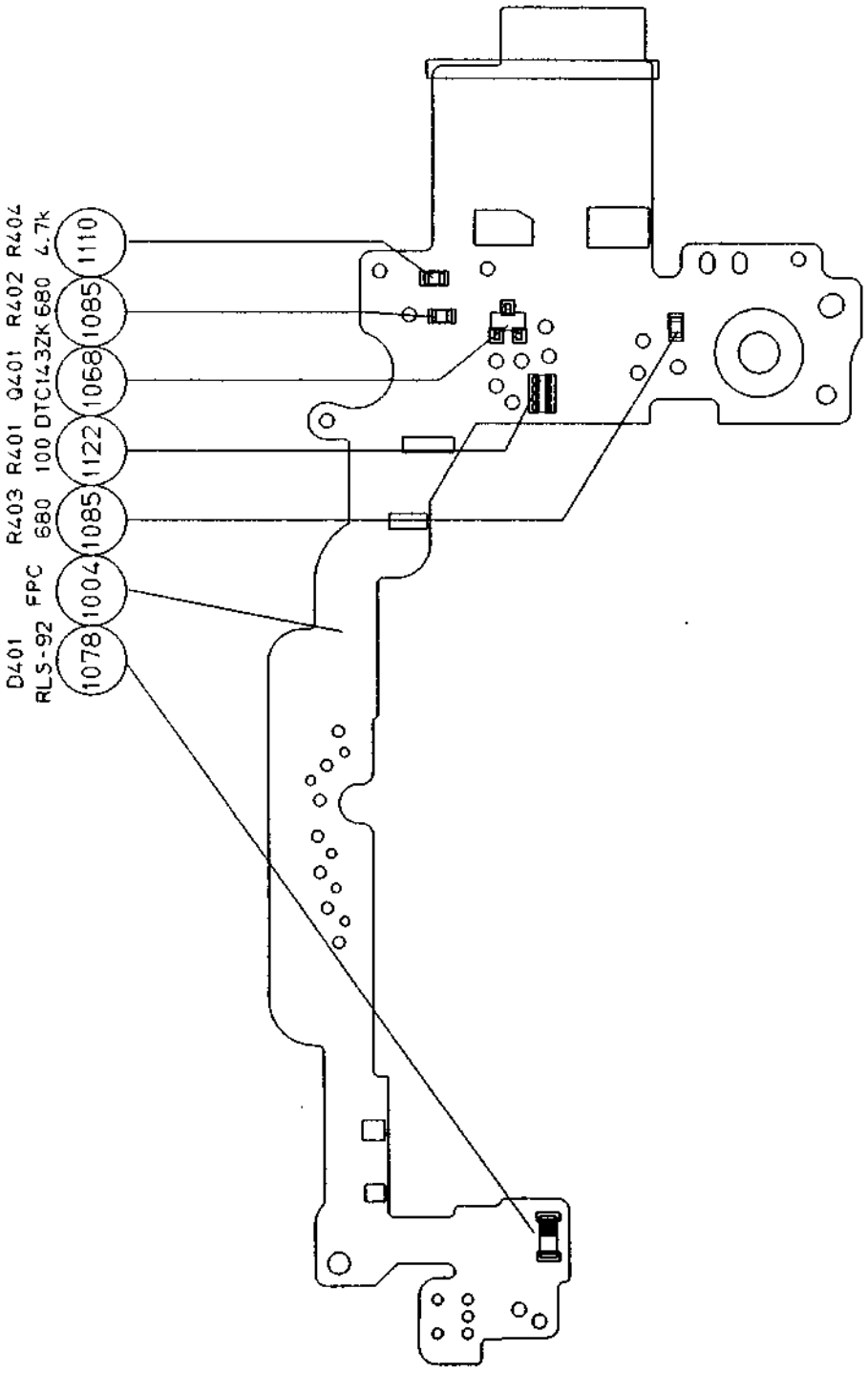
#1003 CCD PCB

FAA29051-R. 3340. A



FAA29051-R. 3340. A

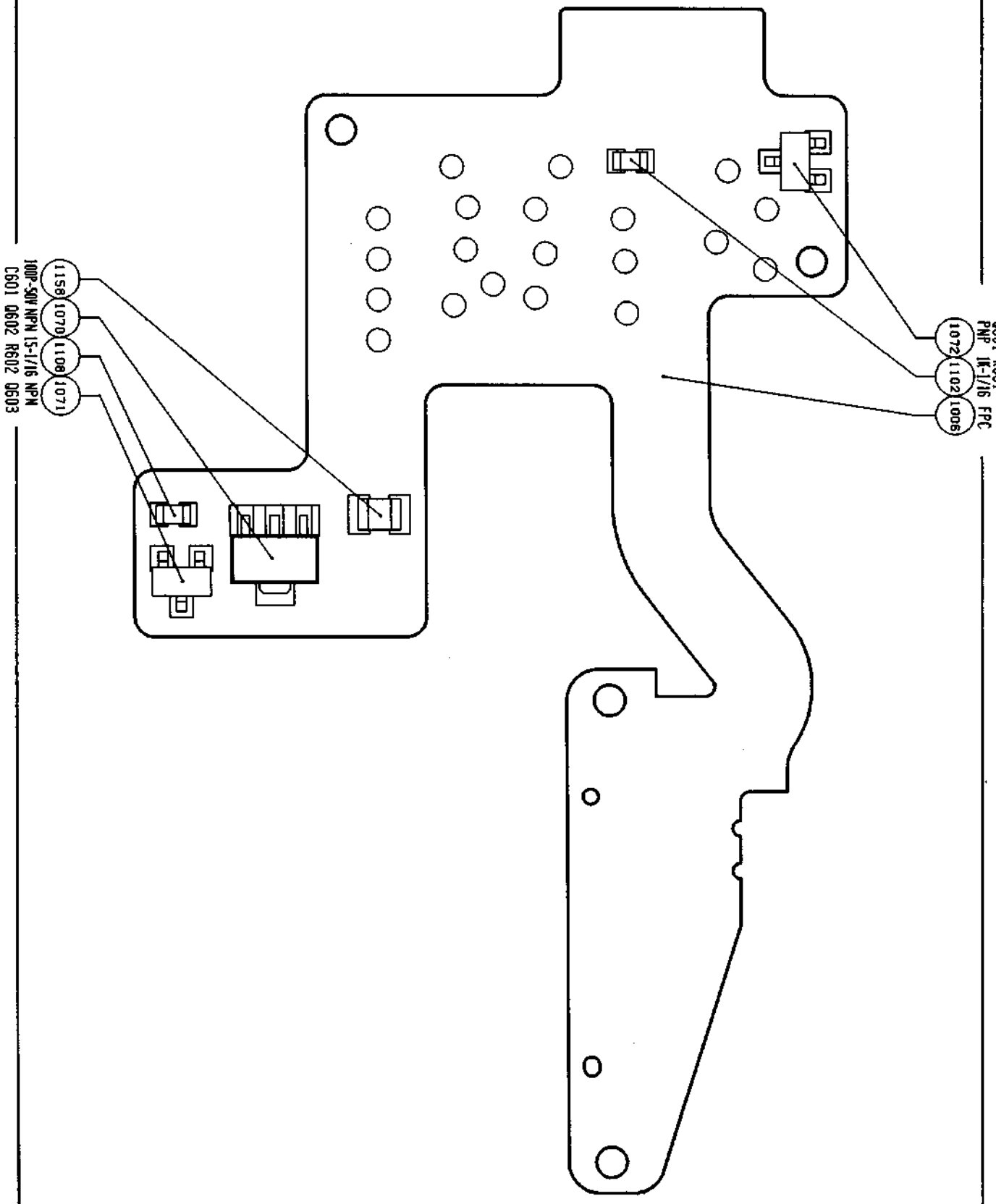
#1004 前ボディPCB
#1004 FRONT BODY PCB



#1006 内LCD PCB

#1006 INTERNAL LCD PCB

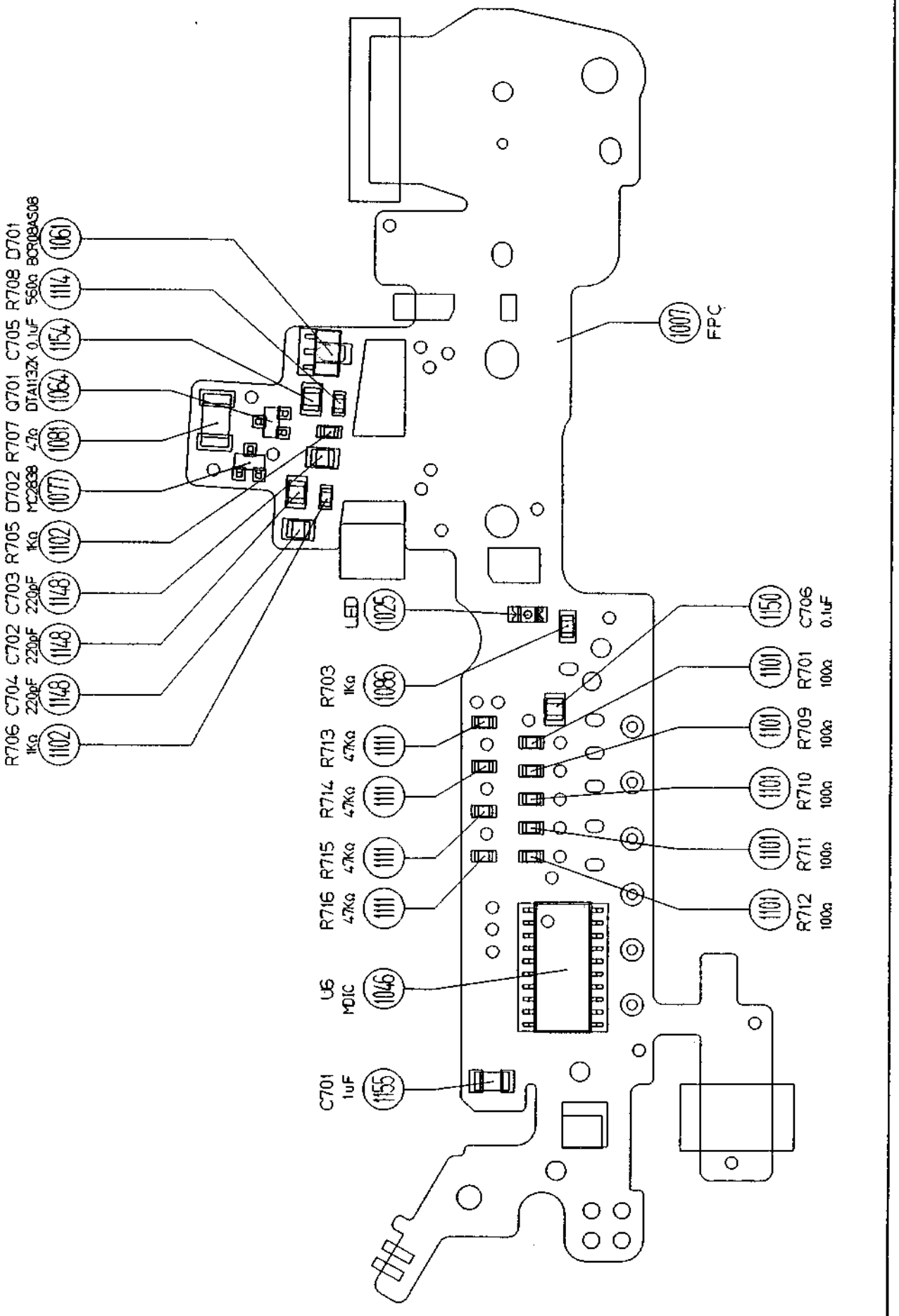
FAA29051-R. 3340. A



#1007 巻き戻しPCB

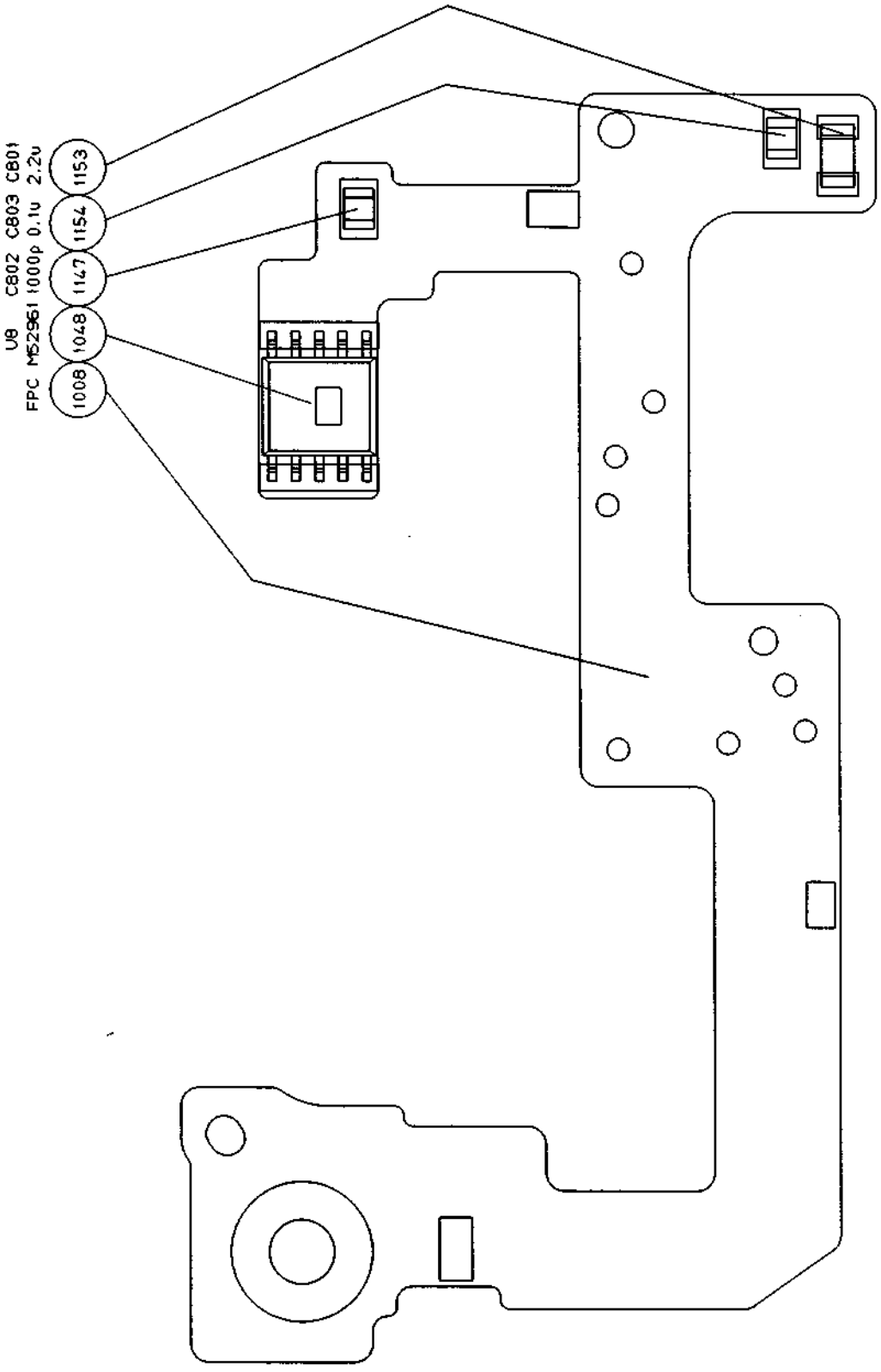
#1007 FILM REWIND PCB

FAA29051-R.3340.A



#1008 TTL PCB

FAA29051-R 3340 A



〔2〕工具　TOOL

工具番号 TOOL No.	名　　称 NAME	区　分 CLASS
J15315	カメラ通信工具 CAMERA COMMUNICATION TOOL	A
J18238A	点検、調整用フロッピーディスク　NEC PC-9801用　　5インチ INSPECTING & ADJUSTMENT FLOPPY DISK.　FOR NEC　　5'	
J18238B	点検、調整用フロッピーディスク　NEC PC-9801用　　3．5インチ INSPECTING & ADJUSTMENT FLOPPY DISK.　FOR NEC　　3.5'	A
J18238C	点検、調整用フロッピーディスク　IBM PC A/T用　　5インチ INSPECTING & ADJUSTMENT FLOPPY DISK.　FOR IBM PC A/T　5'	
J18238D	点検、調整用フロッピーディスク　IBM PC A/T用　　3．5インチ INSPECTING & ADJUSTMENT FLOPPY DISK.　FOR IBM PC A/T　3.5'	

TOOL INSTRUCTION

SERVICE DEPT

J15315

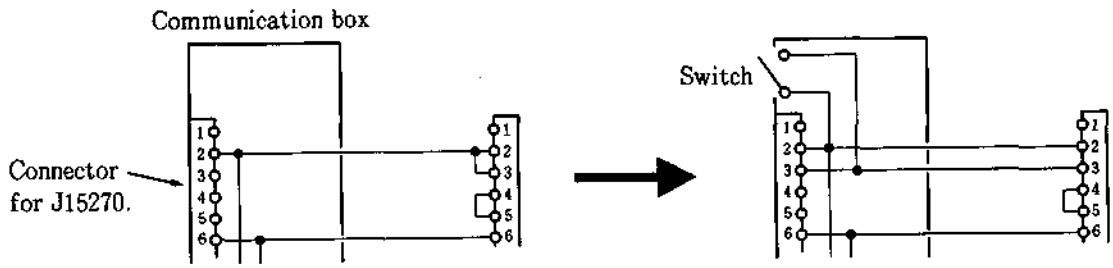
1. Name: Camera communication tool J15315

2. Use: Communication of F50/N50.

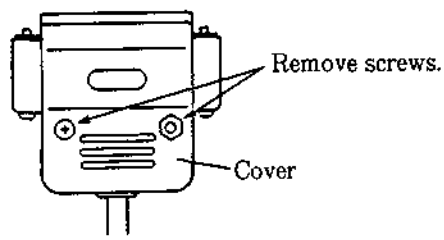
3. Before using this tool, modify communication box J15278.

● Outline of the modification.

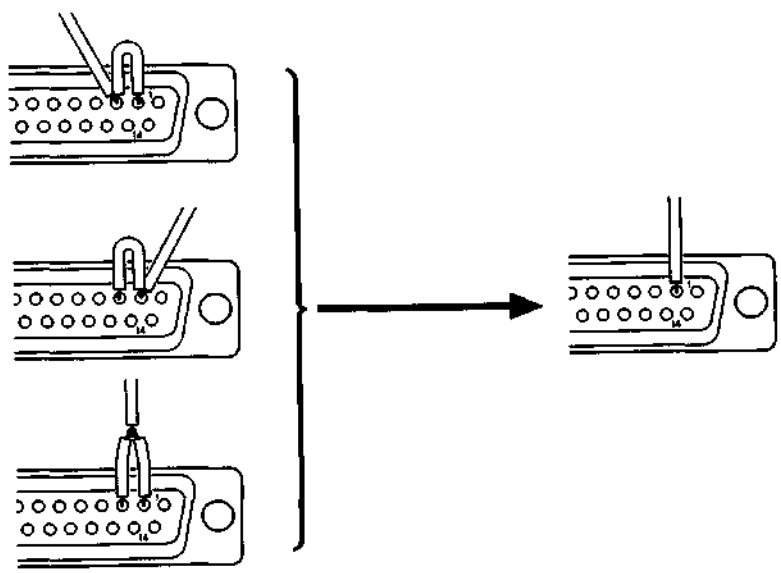
《 Before modification 》 《 After modification 》



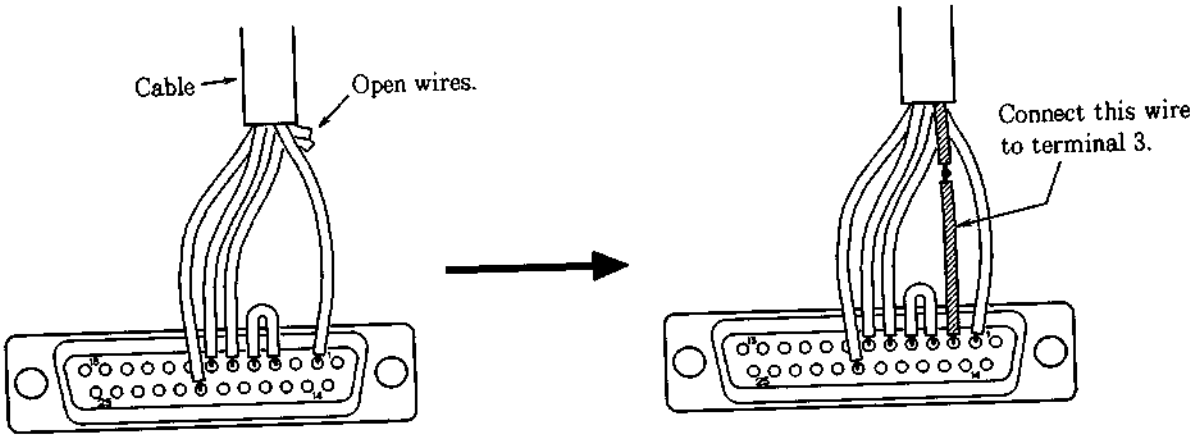
① Remove the cover of the connector (outlet side) of communication box J15278 (refer to the figure below).



② Remove the wire short-circuited between terminals 2 and 3 and connect this wire to terminal 2 only. Or remove either one of the wires connected to terminal 3 and connect that wire to terminal 2 only. Do not change any other wiring.

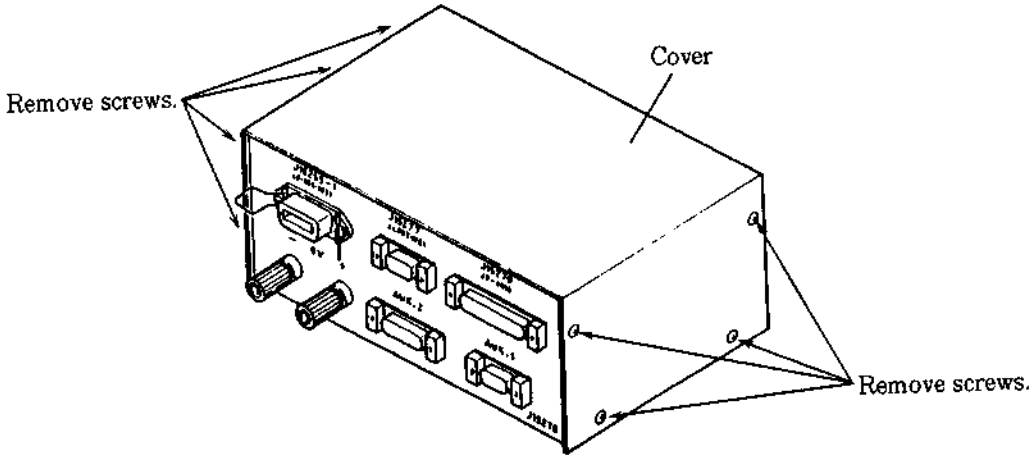


③ There are some open wires. Connect one of these wires to terminal 3. Choose a wire that is easily distinguishable.

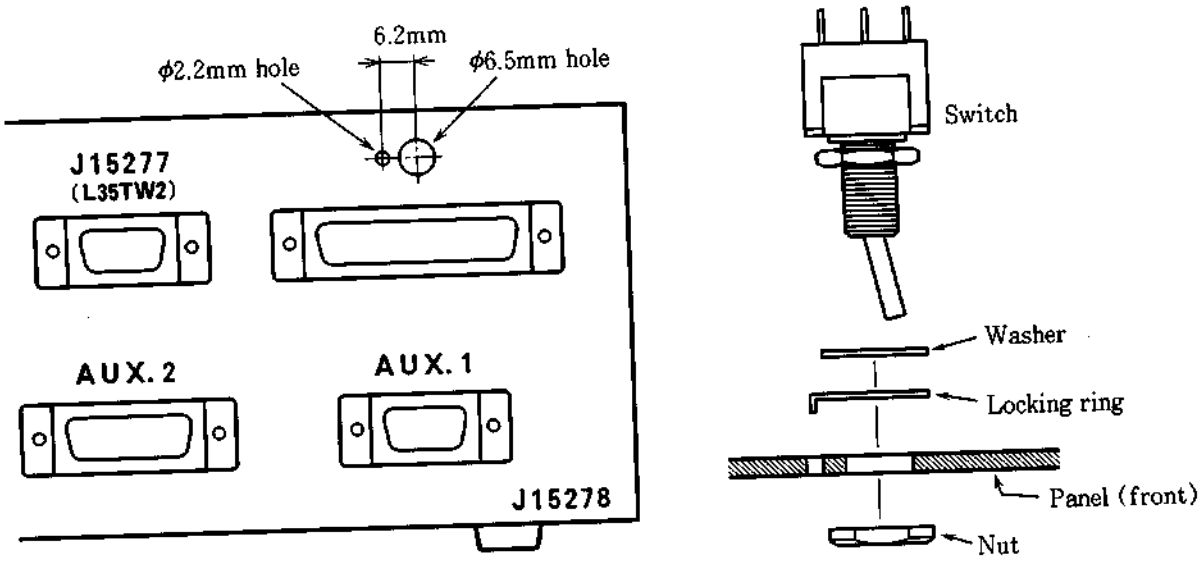


④ Mount the cover on the connector.

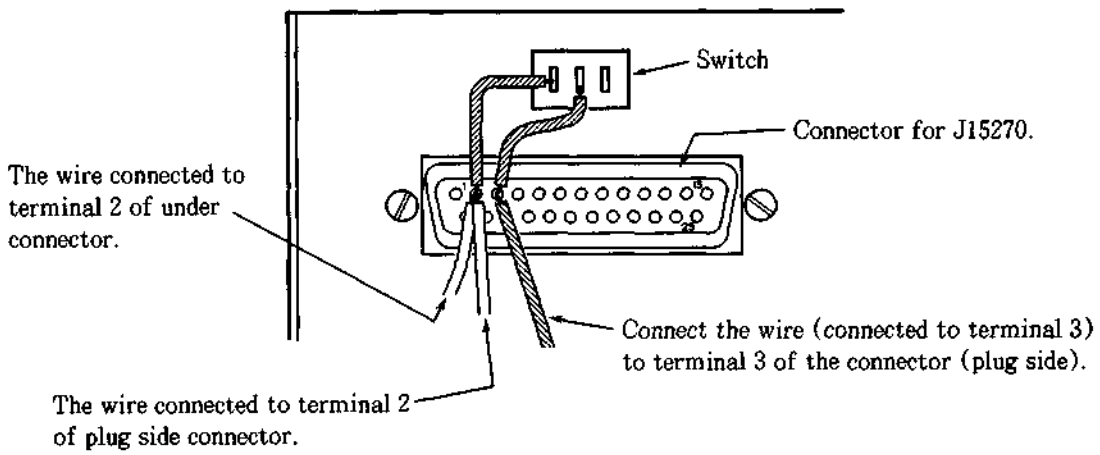
⑤ Remove the communication box cover.



⑥ Make two holes at the positions as shown in the figure below and mount the switch.

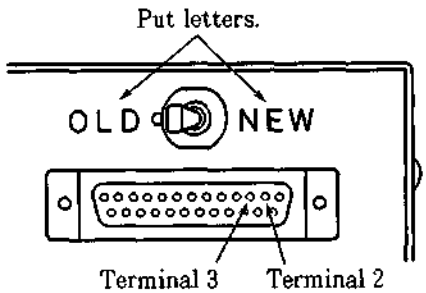


⑦ Connect wires inside the communication box as shown in the figure below. Do not change any other wiring.



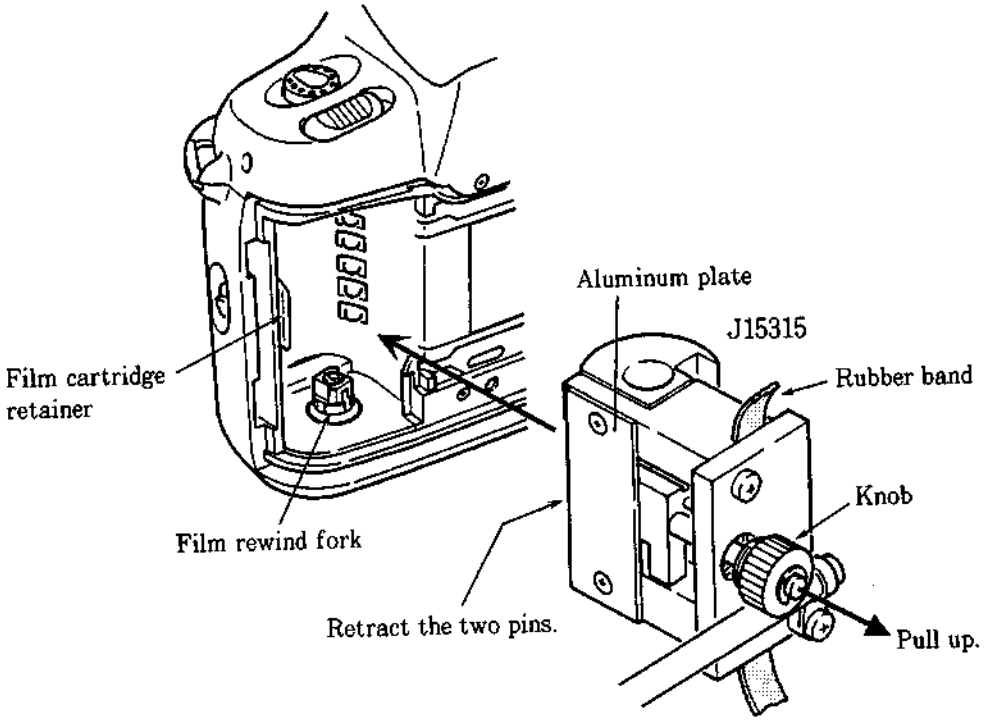
⑧ Remount the cover on the communication box.

⑨ For identification, put letters at the location as shown in the figure below.



Note: Terminals 2 and 3 are short-circuited when the switch lever is turned toward "OLD" side, and terminals 2 and 3 are open when the switch lever is turned toward "NEW" side.

4. How to use J15315



① Pull up the tool knob and retract the two pins in the tool.

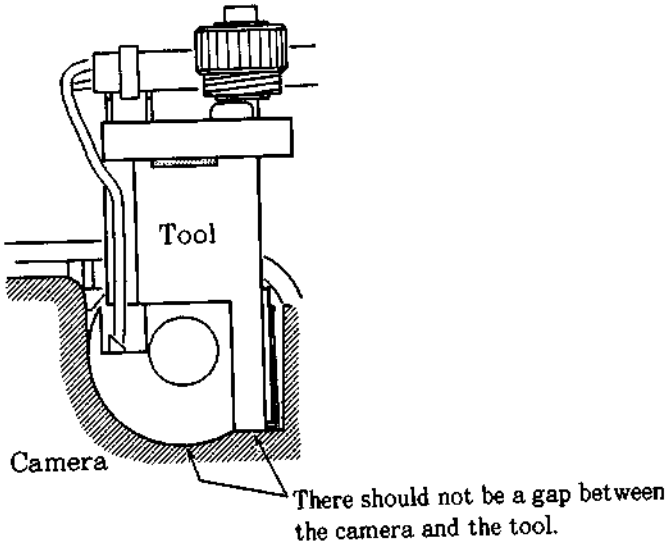
Note: Pull up the knob to make the click mechanism effective. If it does not become effective, make an arrangement of wires cinnected to the two pins.

② Holding down the film rewinf fork, attach the tool to the camera.

Note: Make sure that tha film cartridge retainer does not protrude inside the tool's aluminum plate.

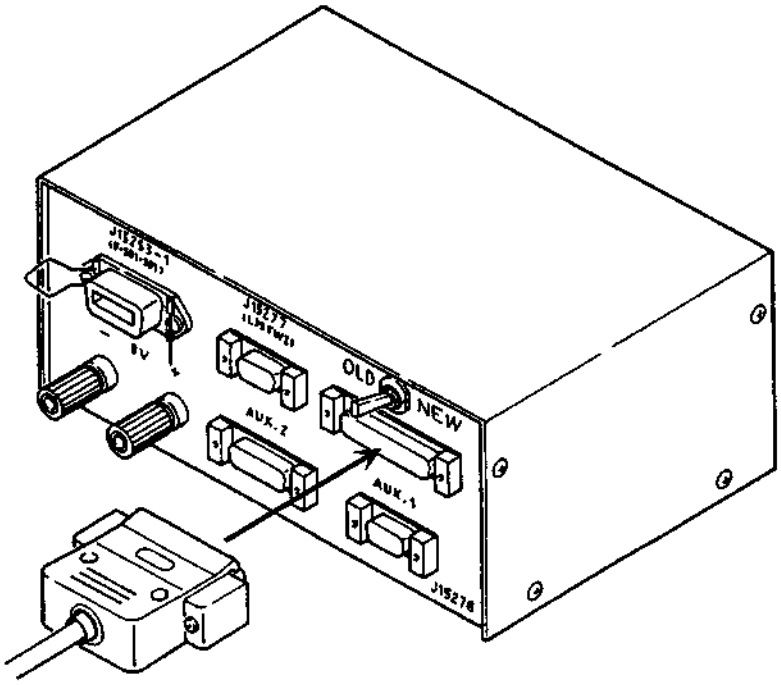
③ Secure the tool using a rubber band.

Inspection: Check to confirm that the tool is attached securely.

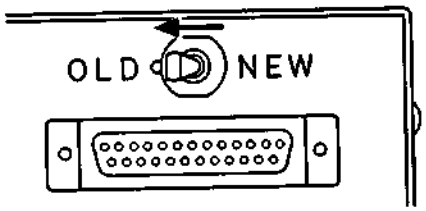


④ The two pins are not used in the F50/N50, always retract them in the tool.

⑥ Attach the tool connector to the communication box.



⑦ Set the switch on the communication box to "OLD".

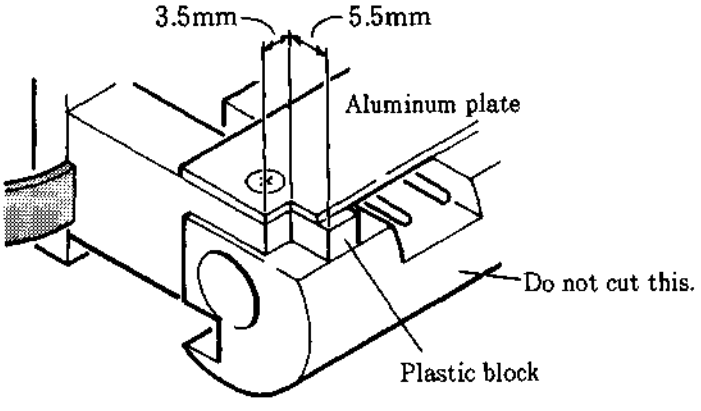


⑧ Start the "checking and adjustment programs".Then follow the instructions appearing the computer display.

5. Others

- When using conventional communication tool J15270, set the switch on the communication box to "OLD".
- This tool can also be used for both the F-401 and F-601 series cameras. When using tool, set the switch to "OLD" and retract the two pins.
- When using this tool for the F-801/N8008 series and F90/N90 cameras, make the following modifications.

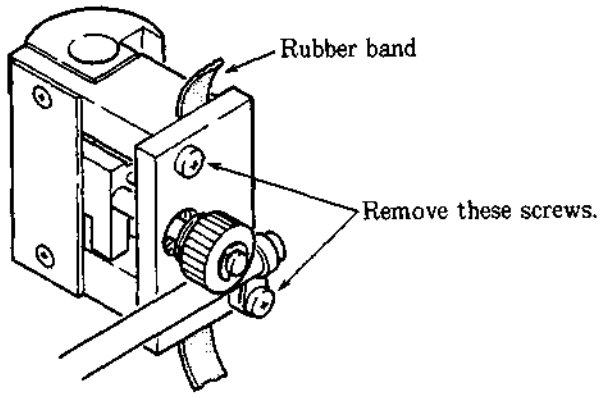
  ① Disassemble the tool and cut the aluminum plate and plastic block to the dimensions shown in the figure below.



  ② Set the switch to "OLD".

  ③ Retract the two pins.

- Remove the two screws when replacing rubber band.



- Retract the two pins until instructed later.

作成承認印	配布許可印
ニコンカメラサービス部 GM	パーツセンター M

Nikon F50 FAA29051

F50D FAA29251

N50 FAA29151

PARTS LIST

修 理 部 品 表

Nikon | NIKON CORPORATION
Tokyo, Japan

Printed in Japan January

作成承認印	配布許可印
ニコンカメラサービス部 GM	パーツセンター M

Nikon F50 FAA29051

F50D FAA29251

N50 FAA29151

PARTS LIST (REVISED-1)

修 理 部 品 表 (改 訂-1)

Nikon | NIKON CORPORATION
Tokyo, Japan

Jun. 1. 1994

Printed in Japan June

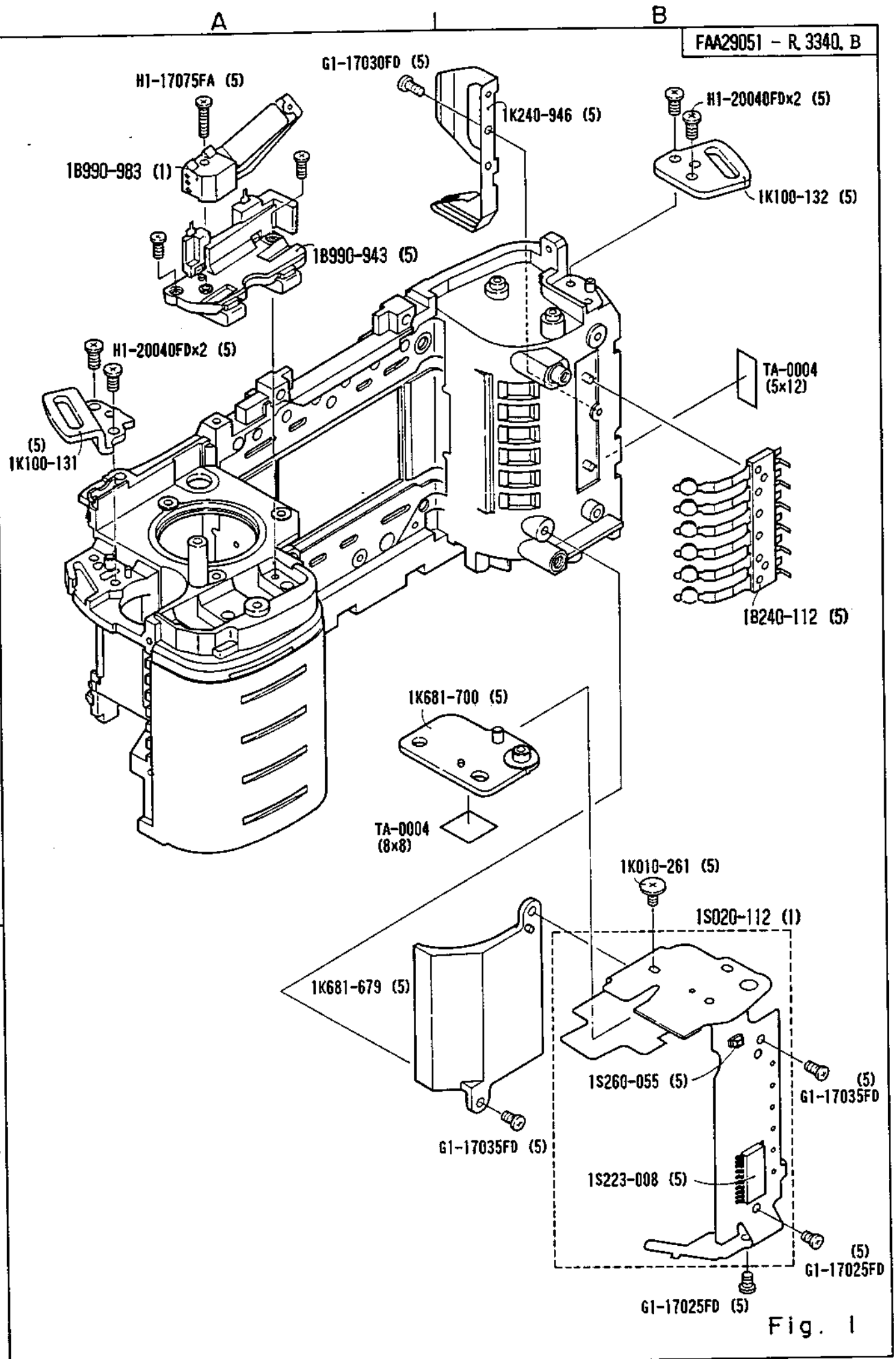
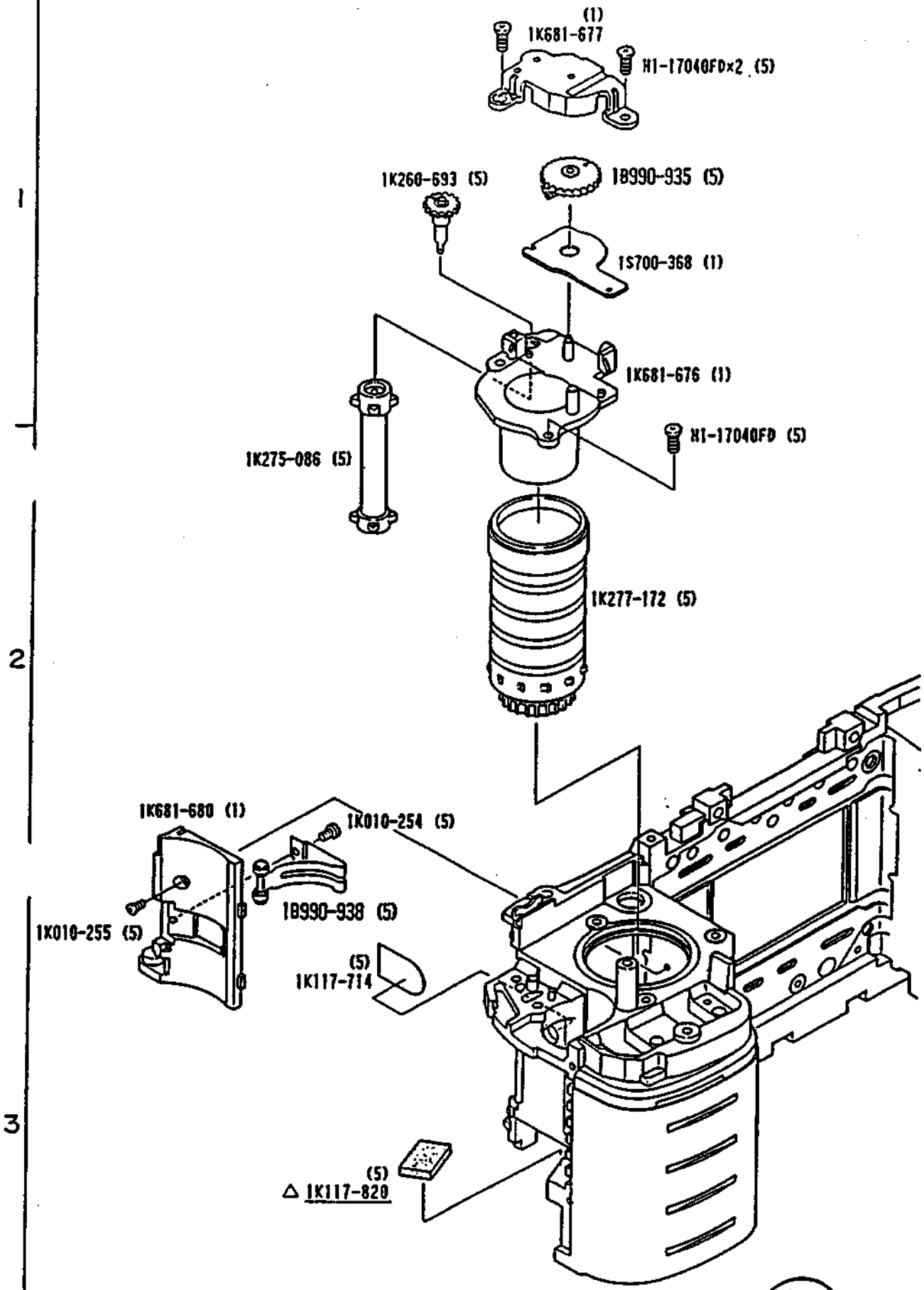
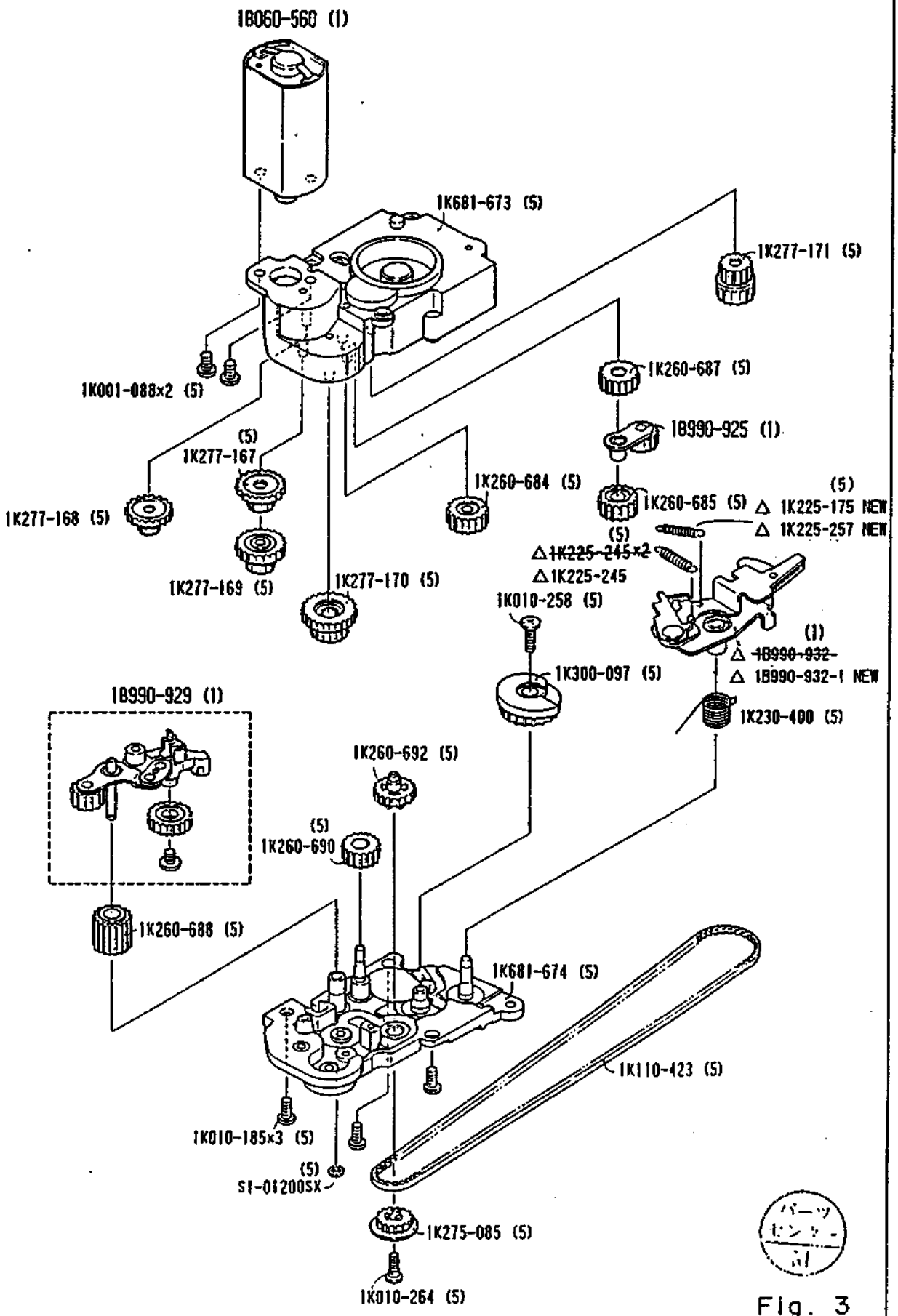

A
B
FAA29051 - R 3340. B
H1-17075FA (5)
G1-17030FD (5)
1K240-946 (5)
H1-20040FDx2 (5)
1B990-983 (1)
1K100-132 (5)
1B990-943 (5)
H1-20040FDx2 (5)
TA-0004
(5x12)
(5)
1K100-131
1B240-112 (5)
1K681-700 (5)
TA-0004
(8x8)
1K010-261 (5)
1S020-112 (1)
1K681-679 (5)
1S260-055 (5)
(5)
G1-17035FD
G1-17035FD (5)
1S223-008 (5)
(5)
G1-17025FD
G1-17025FD (5)
1
2
3

Fig. 1



パーツセンター

Fig. 2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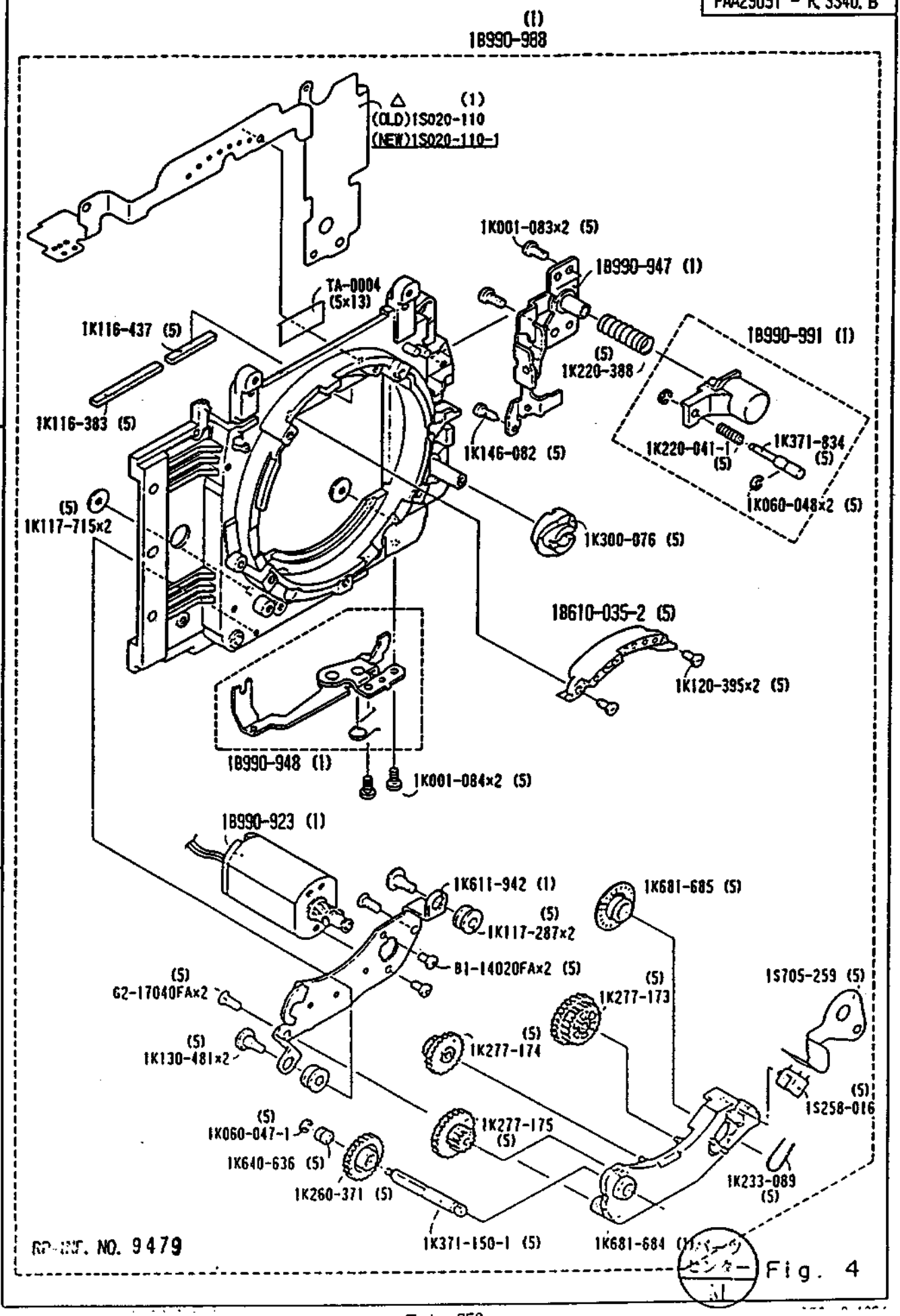
1K681-673 (5)
1K277-171 (5)
1K001-088×2 (5)
1K260-687 (5)
1B990-925 (1)
(5)
1K277-167
1K260-684 (5)
1K260-685 (5)
△ 1K225-175 NEW
△ 1K225-257 NEW
1K277-168 (5)
(5)
△ ~~1K225-245×2~~
△ 1K225-245
1K277-169 (5)
1K277-170 (5)
1K010-258 (5)
(1)
△ ~~1B990-932-~~
△ 1B990-932-1 NEW
1K300-097 (5)
1K230-400 (5)
1B990-929 (1)
1K260-692 (5)
(5)
1K260-690
1K260-688 (5)
1K681-674 (5)
1K110-423 (5)
1K010-185×3 (5)
(5)
SI-01200SX
1K275-085 (5)
1K010-264 (5)

Fig. 3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△ (1)
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(NEW)1S020-110-1
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18990-947 (1)
TA-0004
(5×13)
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(5)
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1K371-834
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1K117-715×2
1K300-076 (5)
18610-035-2 (5)
1K120-395×2 (5)
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1K001-084×2 (5)
18990-923 (1)
1K611-942 (1)
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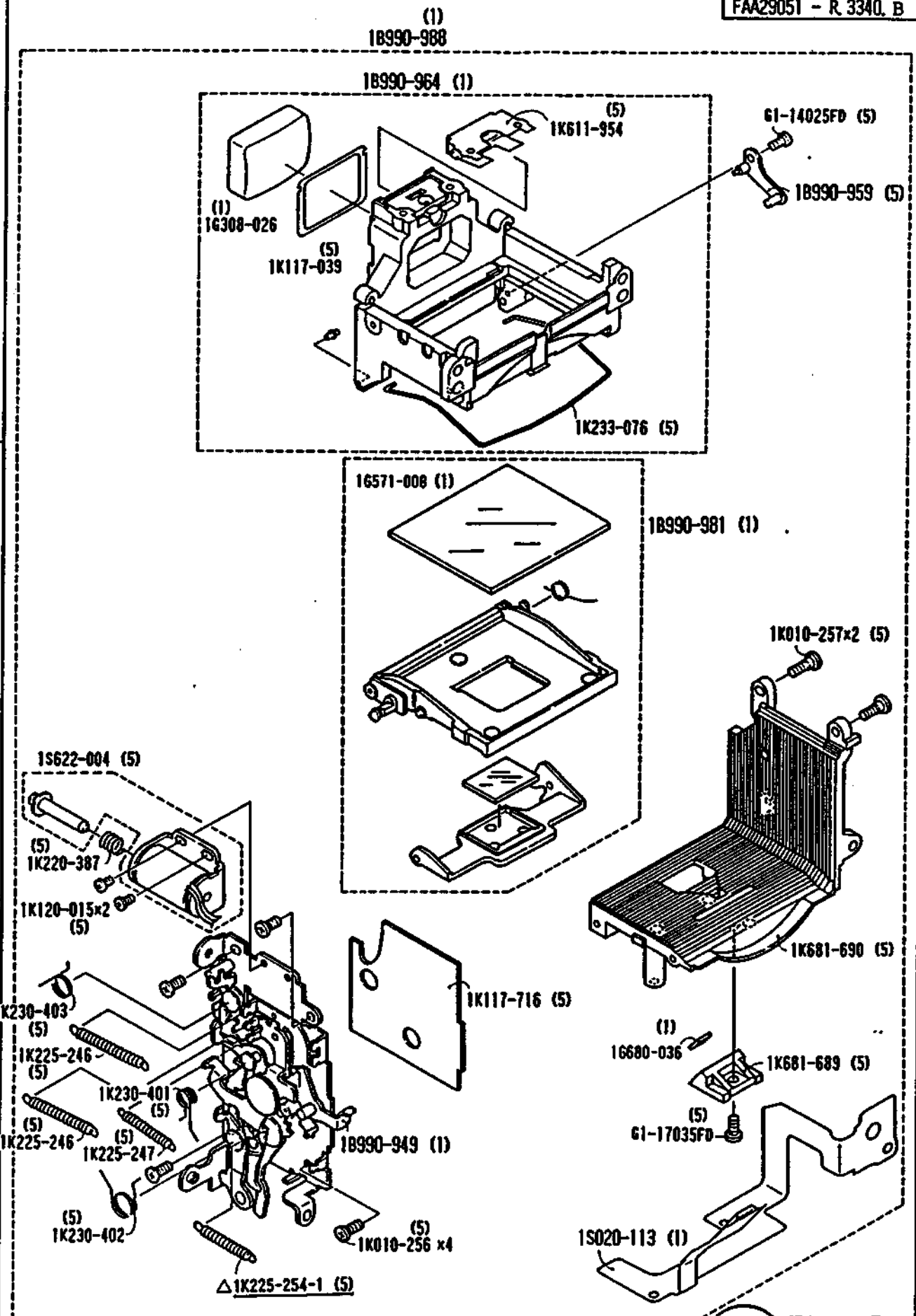
1K117-287×2
1K681-685 (5)
B1-14020FA×2 (5)
(5)
G2-17040FA×2
(5)
1K277-173
1S705-259 (5)
(5)
1K130-481×2
(5)
1K277-174
(5)
1S258-016
(5)
1K060-047-1
1K277-175
(5)
1K640-636 (5)
1K233-089
(5)
1K260-371 (5)
1K371-150-1 (5)
1K681-684 (1)
REF. NO. 9479

Fig. 4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1B990-959 (5)
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1G308-026
(5)
1K117-039
1K233-076 (5)
16571-008 (1)
1B990-981 (1)
1K010-257×2 (5)
1S622-004 (5)
(5)
1K220-387
1K120-015×2
(5)
1K681-690 (5)
1K230-403
(5)
1K225-246
(5)
1K230-401
(5)
1K225-246
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1K225-247
(5)
1K230-402
1K117-716 (5)
(1)
16680-036
1K681-689 (5)
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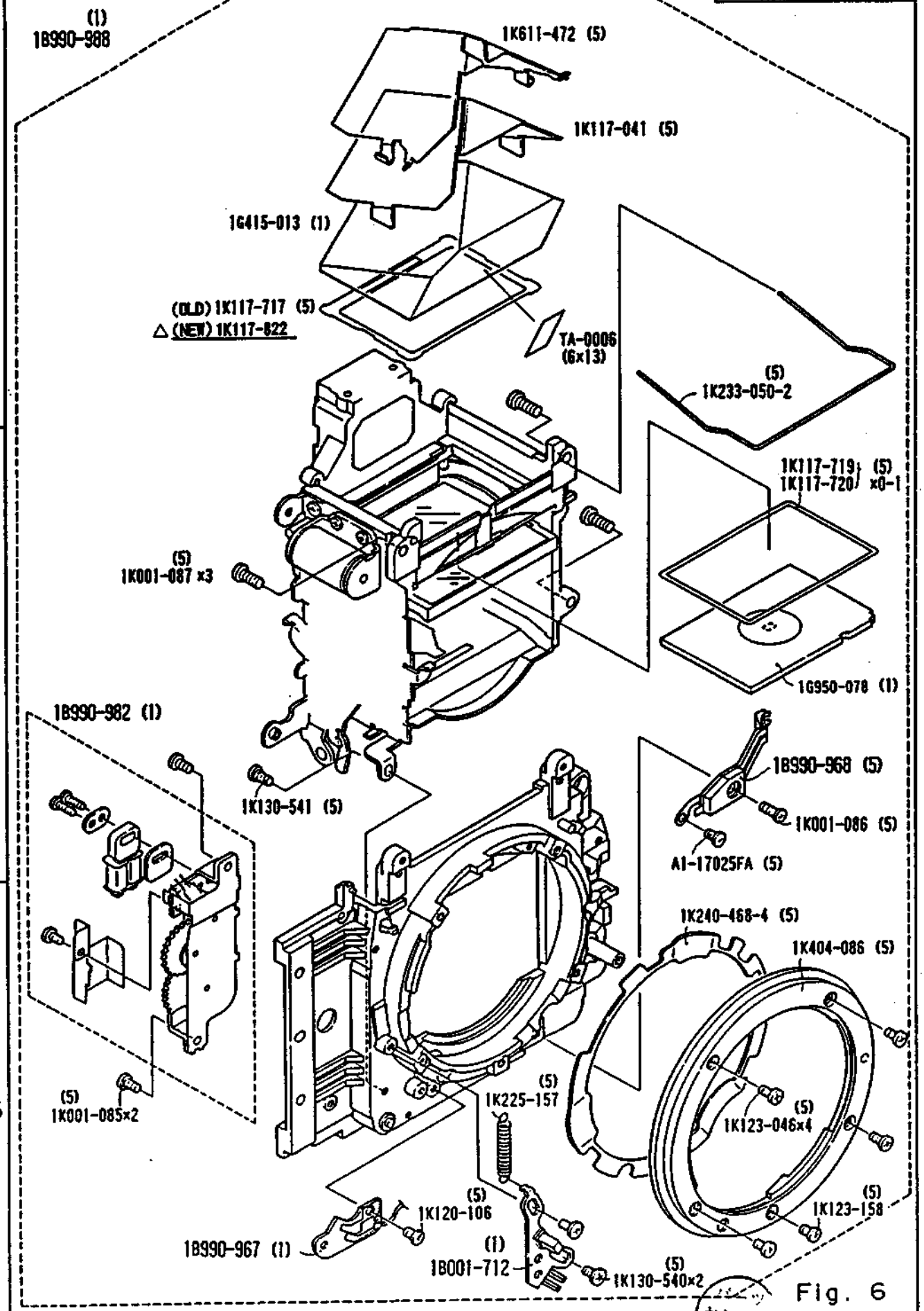
1S020-113 (1)

Fig. 5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1K117-041 (5)
1G415-013 (1)
(OLD) 1K117-717 (5)
△(NEW) 1K117-822
TA-0006
(6×13)
(5)
1K233-050-2
1K117-719 (5)
1K117-720 ×0-1
(5)
1K001-087 ×3
1G950-078 (1)
1B990-982 (1)
1K130-541 (5)
1B990-968 (5)
1K001-086 (5)
A1-17025FA (5)
1K240-468-4 (5)
1K404-086 (5)
(5)
1K001-085×2
(5)
1K225-157
(5)
1K123-046×4
(5)
1K120-106
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1K123-158
1B990-967 (1)
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1B001-712
(5)
1K130-540×2

Fig. 6

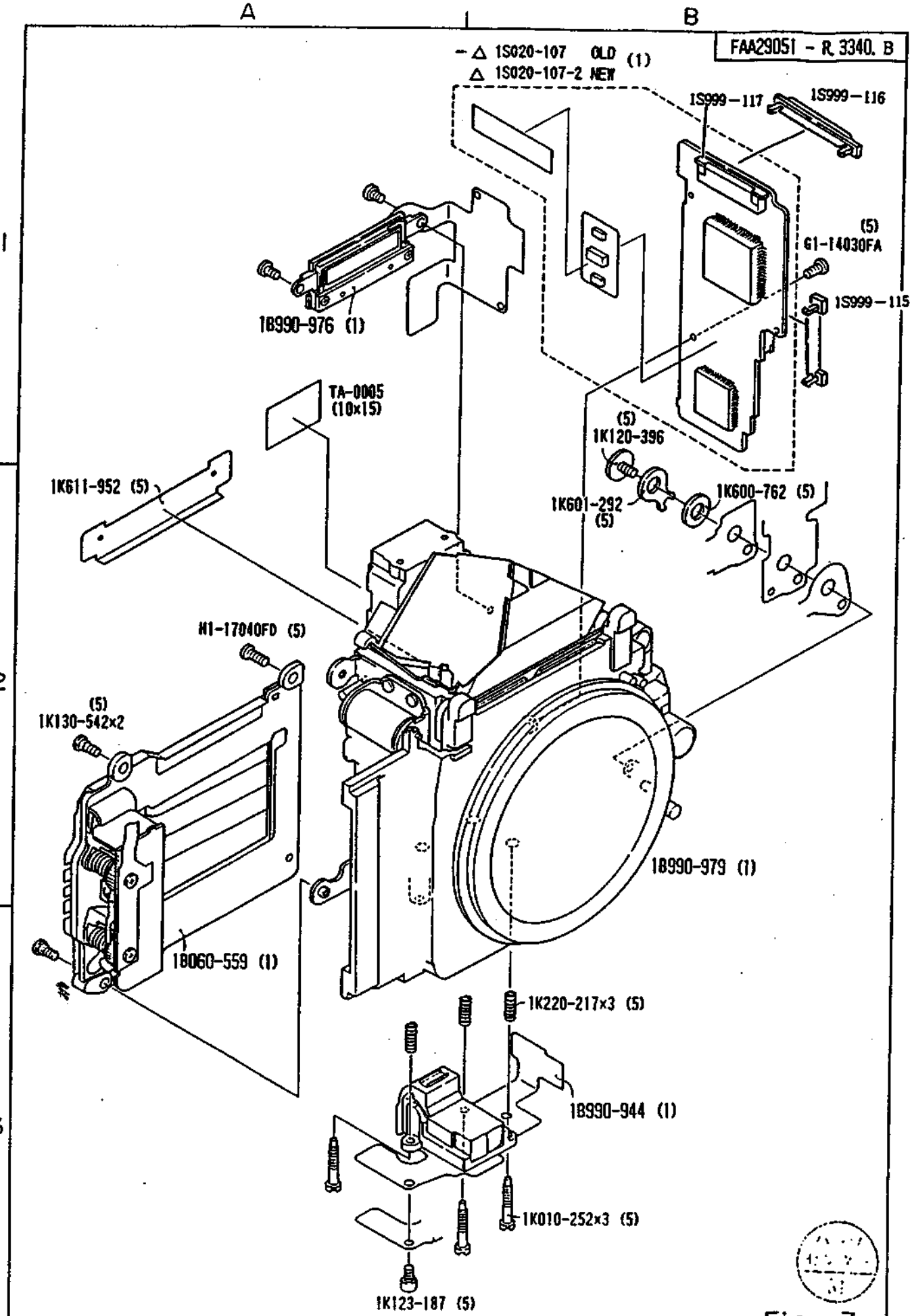


Fig. 7

RP-INF. NO. 9523

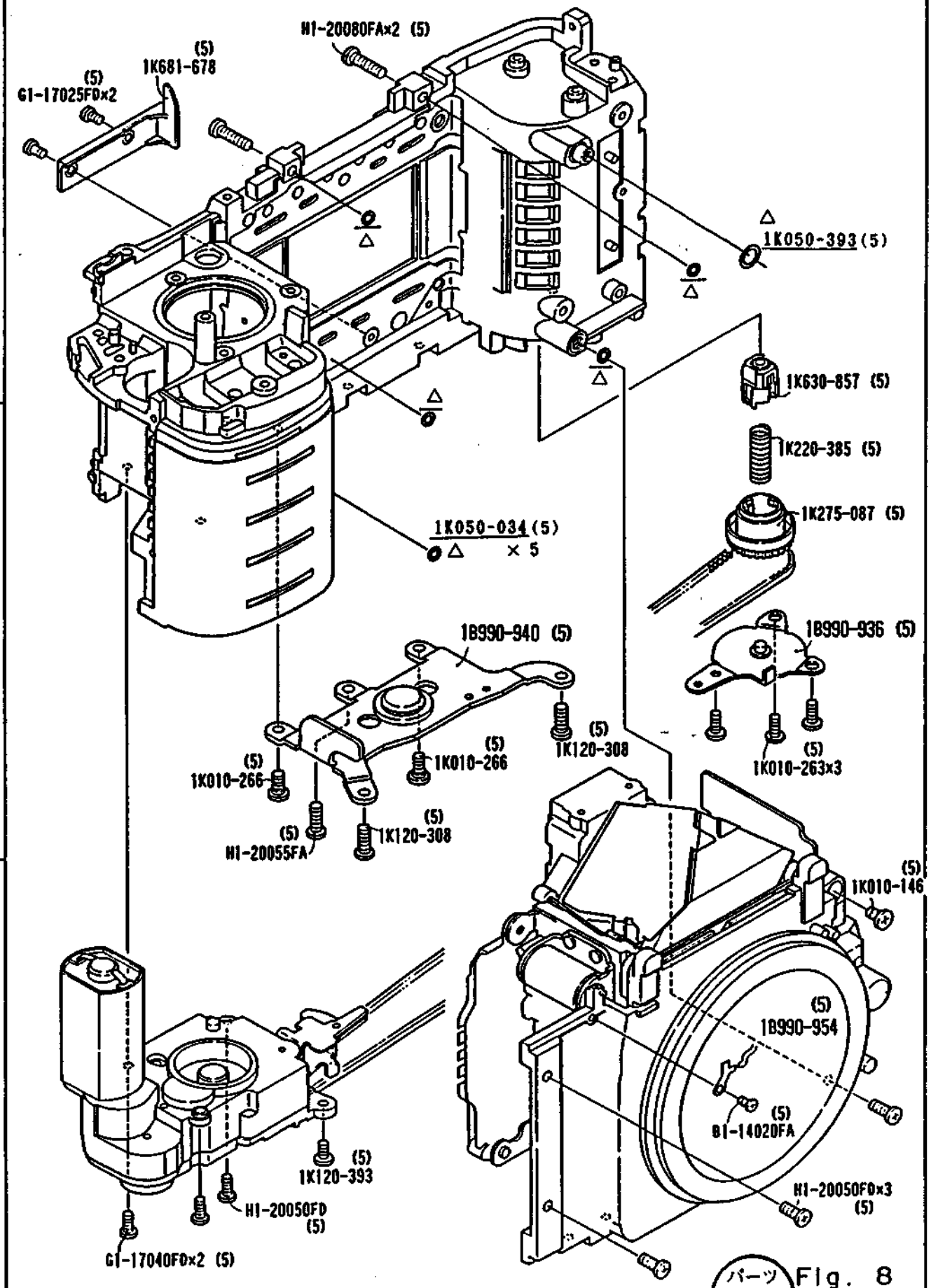
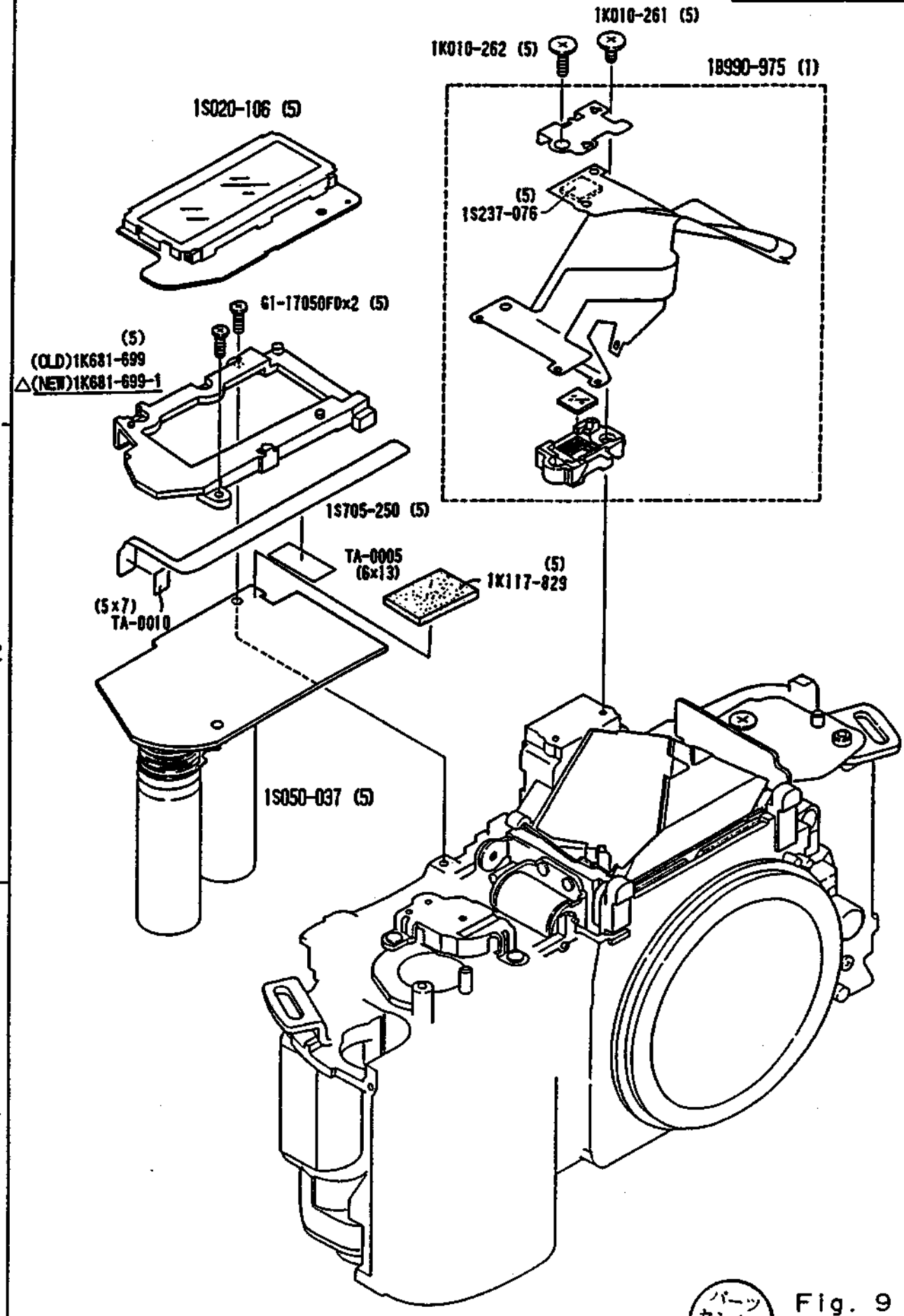


Fig. 8

パーツセンター M



パーツセンター M

Fig. 9

FAA29051 - R 3340. B

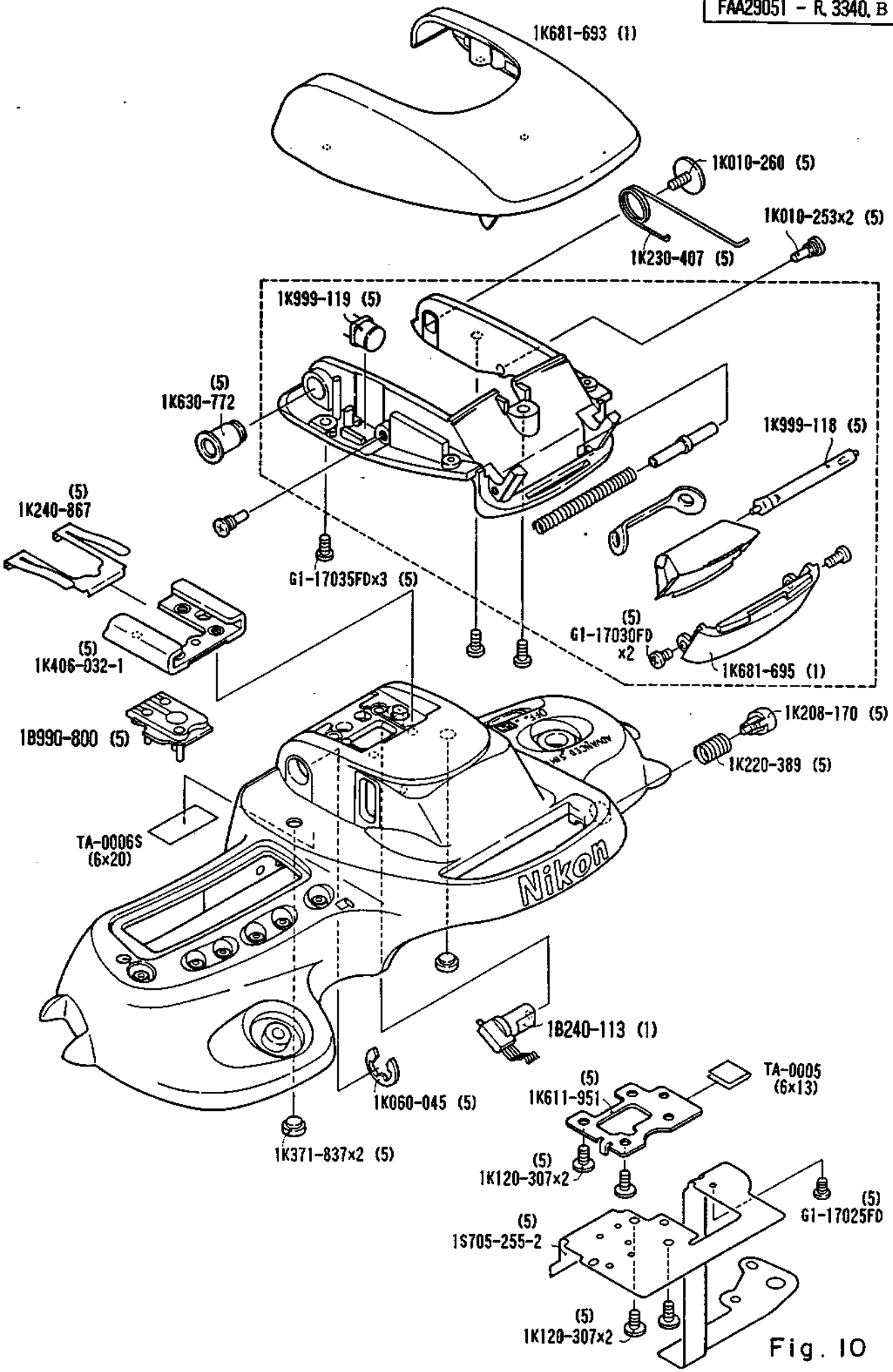


Fig. 10

△ 1B990-921 (1)
1B990-931 (FAA29151)

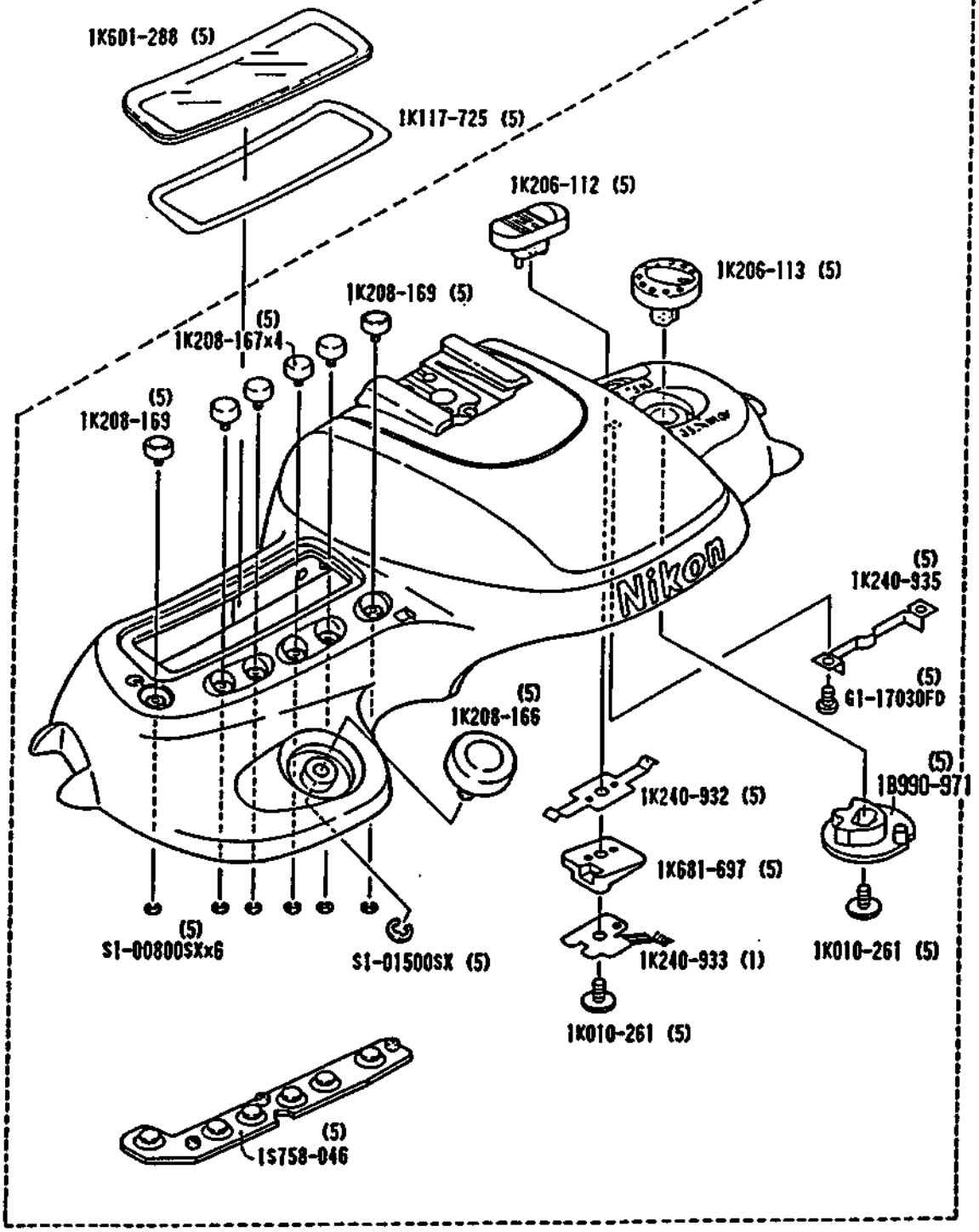


Fig. 11

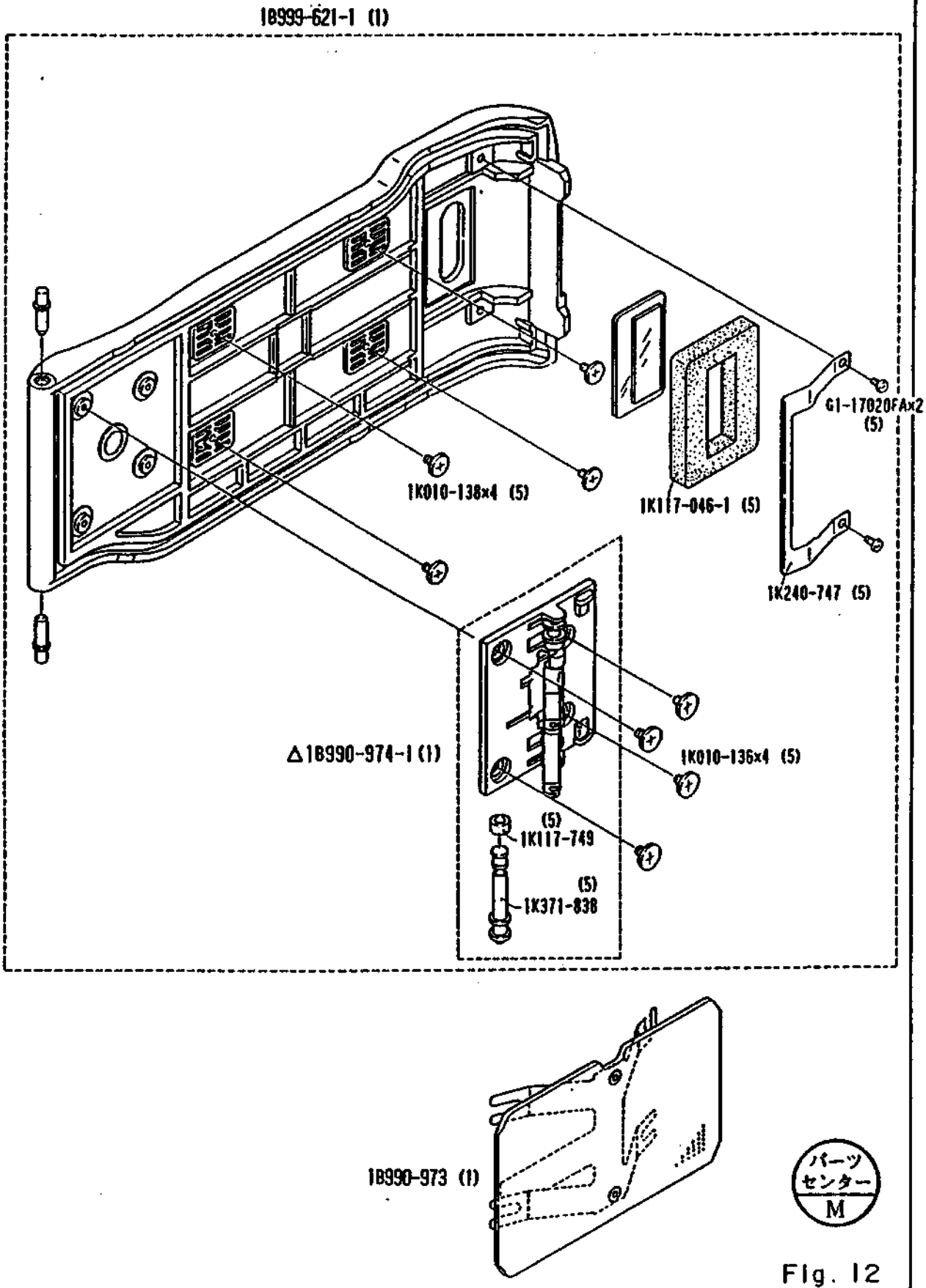

18999-621-1 (1)
1K010-138x4 (5)
1K117-046-1 (5)
G1-17020FAx2 (5)
1K240-747 (5)
△18990-974-1 (1)
1K010-136x4 (5)
(5) 1K117-749
(5) 1K371-838
18990-973 (1)
パーツセンター M

Fig. 12

Outline

1. Power Circuit

Block diagram of the power circuit is shown in Fig. 1. There are three power lines in the system.

(1) Vbat -- Battery voltage. Input power of DC-DC coverter for driving motor and magnet systems.

(2) Vcc — Output power of DC-DC converter (approx. 5V) for driving the whole system other than CPU.

(3) Vdd— Output power of Vbat through the 5V regulator and Vcc connected in parallel through diodes for driving the main CPU.

When the power is OFF, the Vdd is applied to the main CPU only, and the CPU is in the stand-by state. When the main switch or power activiating switch is turned ON from the OFF state, the CPU goes into "RUN" state and activates the DC-DC converter to generate Vcc output. As Vcc applied to each IC, it becomes activated. As described above, voltage is applied to the CPU in the stand-by state even though the main switch is turned is turned OFF.

2. Components

U1(main CPU) — Performs all operations including AE calculation and control, AF calculation and control, shutter release sequence, and communication controls.

U2(AF-IF) — Interfacting AF signal (or transmitting information) from CCD(U7) to CPU. Sending control codes from the CPU through a decoder circuit to drive magnets or motors by operating each latch circuit.

U5(metering IC) -- IC element combining 6-segment SPD with its head amplifier sealed in transparent mold. Transmitting 6-segment metering data to the CPU in time sequence.

U8(TTL-IC)-ic element combining SPD for TTL metering with its metering circuit sealed in transparent mold. Outputting flash firing halt signal using the output signal from CPU-AF IF-TTL-IC and D/A converter and photoelectric current from the SPD.

LCD module— Displaying specified information on the dotmatrix external LCD panel through serial communication from CPU.

3. Shutter release sequence

Outline of sequence time chart is shown in Fig. 3.

(1) When shutter release switch is kept ON for more than 20 ms, the camera enters into shutter release sequence.

(2) A signal is first sent to the release Mg to start shutter release operation. At the same time a signal is sent to front and rear shutter curtain Mgs to hold the shutter curtains.

(3) Aperture pulses are counted and a signal is sent to the aperture Mg when the number of pulses reaches the specified number depending on aperture setting. This stops aperture control operation.

(4) Front curtain operation is released is approx. 70ms after sending signal to the release Mg. In specified shutter time, the rear curtain operation is released. When detecting X contact ON signal, the Triac is turned ON immediately.

(5) In approximately 20 ms after running shutter curtains, film advance motor starts rotating and moves the mirror down and advance the film. When receiving 8 pulses from the sprocket a switch signal is sent back as a film advance completion signal to the film advance motor to brake the motor.

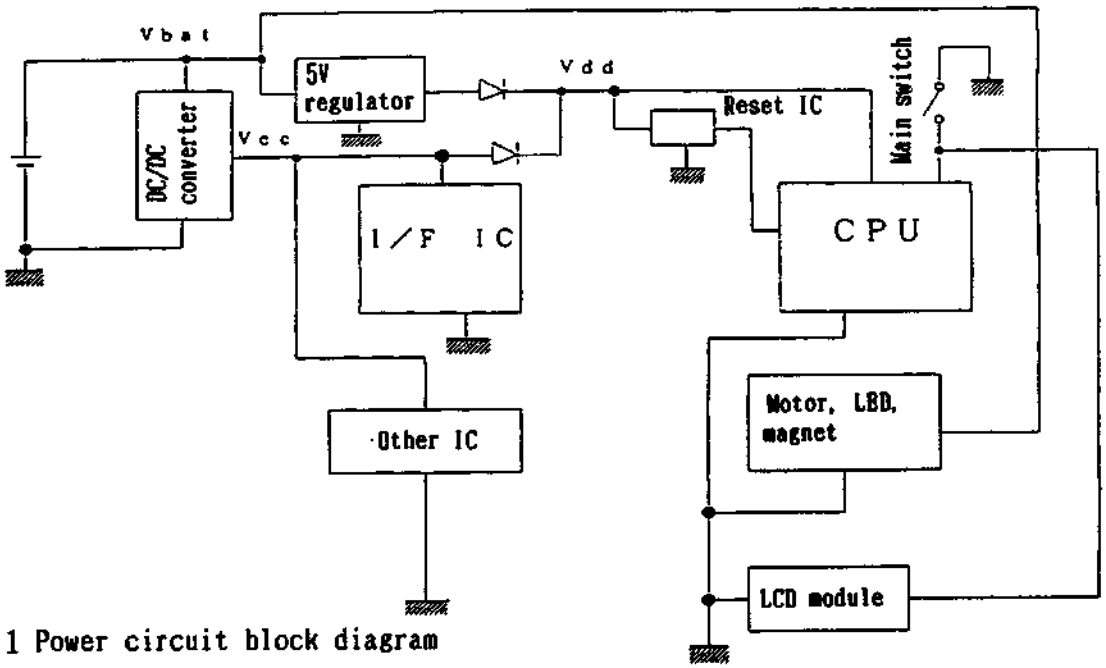


Fig. 1 Power circuit block diagram

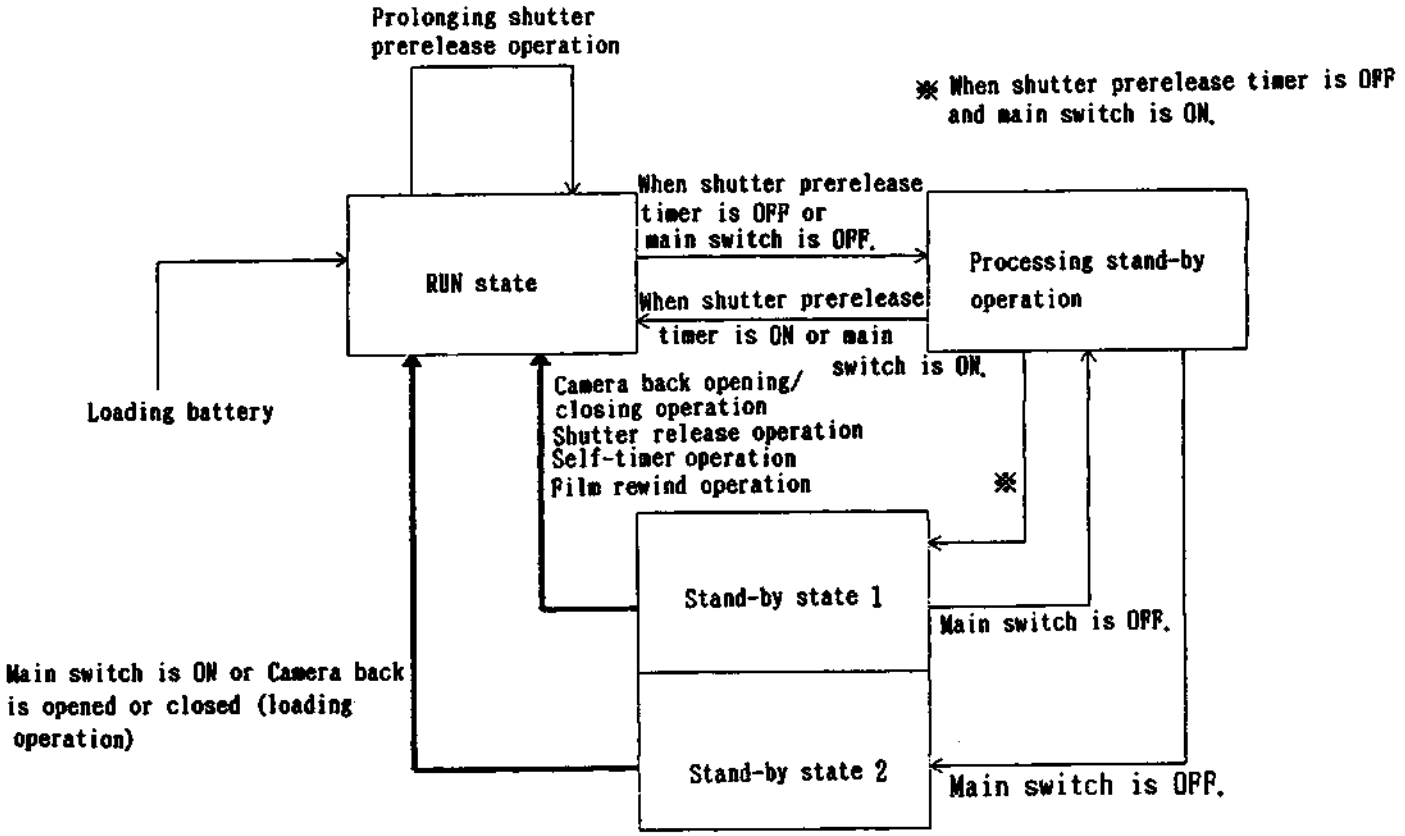


Fig. 2 CPU state transition diagram

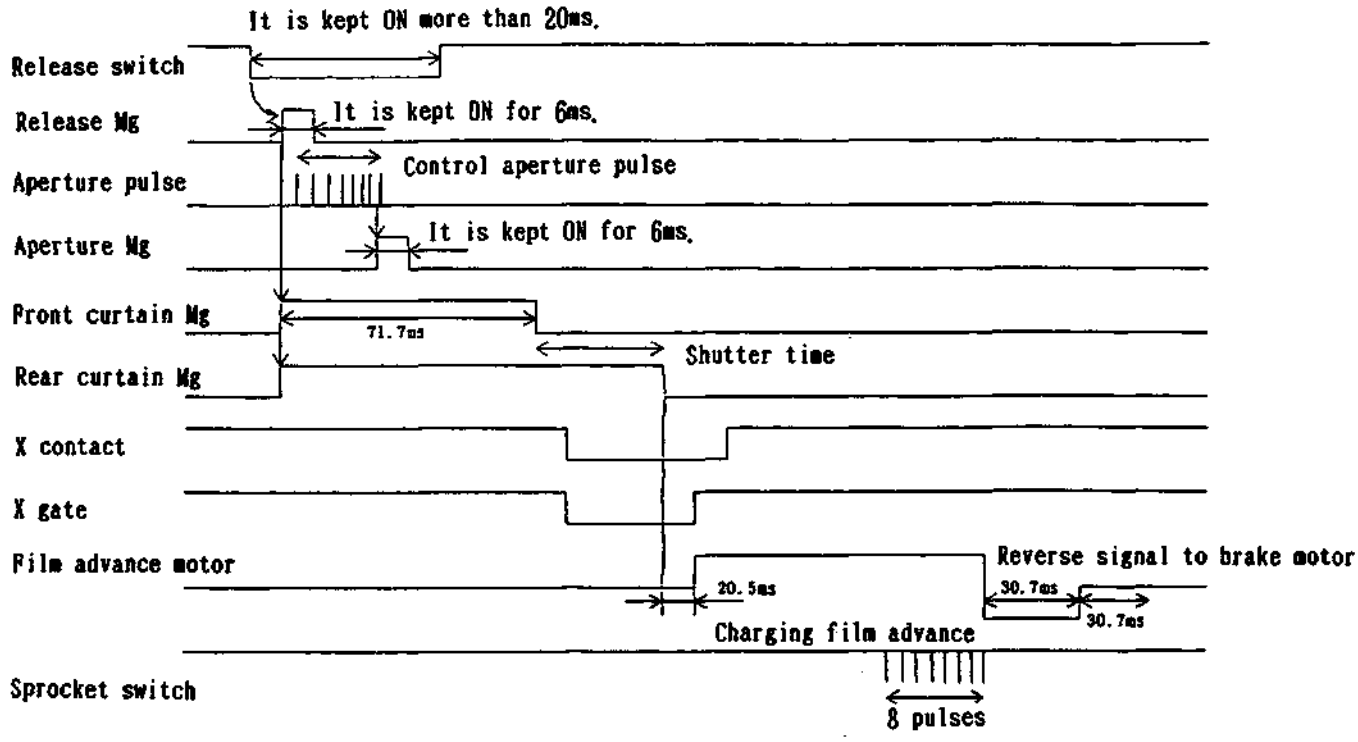


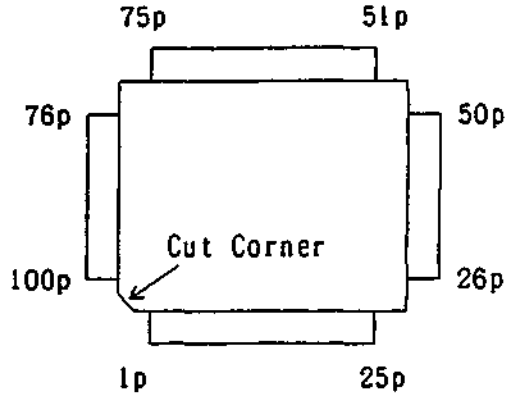
Fig. 3 Shutter release sequence time chart

Switch Table

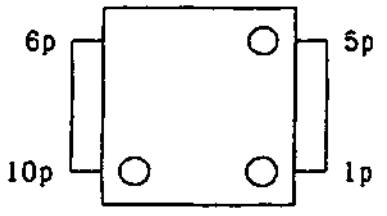
NO	Name	Code	CPU	NO	Name	Code	CPU
1	Release Switch	RLS	44p	11	MENU Switch	MNU	41p
2	Pre-Release Switch	HAN	39p	12	Setting Switch 1	ST1	15p
3	Sprocket Switch	SPRO	88p	13	Setting Switch 2	ST2	16p
4	Syncro Switch	XSW	43p	14	Setting Switch 3	ST3	17p
5	Power Swtich	POWSW	38p	15	Setting Switch 4	ST4	18p
6	Mode Switch	MODE	37p	16	AE-Lock Switch	AEL	51p
7	Rewind Switch	REW	36p	17	AF Switch	AFSW	49p
8	Camera Back Switch	UBSW	42p	18	FMN SW	FMIN	78p
9	Built-in Flash SW	SBSW	50p	—	———	——	—
10	Self Timer Switch	SSW	40p	—	———	——	—

SW —— Switch

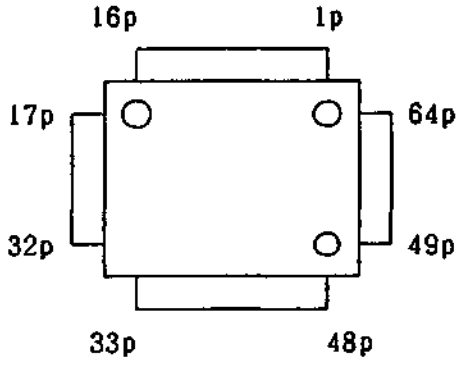
I C pin number



Mein CPU Pin Number



MeteringIC.TTL-IC Pin Number



AF-IF Pin Number

CPU (H8 3834) Pin Name Table

NO	PORT	Name	Conect	Land
1	PC3	Battery Check Input	→C1,R3,R4	TP-1
2	AVss	AGND		
3	TEST	DGND		
4	X2	NC		
5	X1	Vdd		
6	Vss	DGND		
7	OSC1	System Clock 1 8 MHz	→ FAR,R13	
8	OSC2	System Clock 2 8 MHz	→ FAR,R13	
9	RES	Reset Input	→U9 1p,R18	TP-RES
10	MD0	Vdd		
11	P20	AGC/STB	→U2 12p	TP-AGC
12	P21	Charge Signal	→Q3C,R16 (L is Charged)	TP-12
13	P22	Stop Signal 1	→U8 7p,D202→Stop	TP-STP
14	P23	DX3	→R715	TP-DX3
15	P24	Setting Switch 1	→R201, Setting Switch 1	TP-ST1
16	P25	Setting Switch 2	→R201, Setting Switch 2	TP-ST2
17	P26	Setting Switch 3	→R201, Setting Switch 3	TP-ST3
18	P27	Setting Switch 4	→R201, Setting Switch 4	TP-ST4
19	P30	Lens Contact(SCK)	→R401→Lens C Contact	TP-SCK1
20	P31	Lens Contact (SI)	→R401→Lens D Contact	TP-SIO
21	P32	Lens Contact (SO)	P31	
22	P33	E²PROM SCL,LCD DriveSCK	→U3 6p,LCD Driver (SCK)	TP-SCK
23	P34	E²PROM SDA Data in	→U3 5p,R8,LCD Driver (SO)	TP-SO
24	P35	E²PROM SDA,LCD Driver SO	P34	
25	P36	LCD Driver (CSI)	→LCD Driver (CSI)	TP-CS1
26	P37	STB	→U2 10p	TP-STB
27	Vss	GND		
28	V3	Power for LCD	→R7	TP-28
29	V2	Power for LCD	→R7,R6	TP-29
30	V1	Power for LCD (Vcc)		
31	Vdd	Vdd		
32	PA3	Finder LCD Common 4	→Finder LCD COM4	TP-COM4
33	PA2	Finder LCD Common 3	→Finder LCD COM3	TP-COM3
34	PA1	Finder LCD Common 2	→Finder LCD COM2	TP-COM2
35	PA0	Finder LCD Common 1	→Finder LCD COM1	TP-COM1
36	WKP0	Rewind Switch Input	→Rewind Switch	TP-REW
37	WKP1	Mode Switch Input	→Mode Switch	TP-MODE
38	WKP2	Power Switch Input	→Mein Switch,R19,LCD EN1	TP-POSW
39	WKP3	Pre-release Input	→Pre-release Switch	TP-HAN
40	WKP4	Self-Timer Switch Input	→Self-Timer Switch	TP-SSW
41	WKP5	MENU Switch Input	→MENU Switch Input	TP-MNU
42	WKP6	Camera Back Switch Input	→Camera Back Sw(H is open)	TP-URSW
43	WKP7	Syncro Switch Input	→Syncro Switch(X SW)	TP-XSW
44	P60	Release Switch Input	→Release Switch	TP-RLS
45	P61	Ready Signal Built in SB	→READDY for Built in SB	TP-RDY
46	P62	SB Power-ON Signal	→Q3 C	TP-46
47	P63	NC		
48	P64	DX6	→R701→DX6	TP-DX6
49	P65	AF-A/M SW (LisMF,HisAF)	→AFSW (A/M)	TP-AFSW
50	P66	Pop-up Input (UPisL)	→Built in SB Switch	TP-SBSW
51	P67	AE Lock Switch	→AEL Switch	TP-AEL
52	P70	Latch Code Output ϕ	→U2 8p	TP-D0
53	P71	Latch Code Output 1	→U2 7p	TP-D1
54	P72	Latch Code Output 2	→U2 6p	TP-D2
55	P73	Latch Code Output 3	→U2 5p	TP-D3
56	P74	Latch Code Output 4	→U2 4p	TP-D4
57	P75	Latch Code Output 5	→U2 3p	TP-D5
58	P76	Latch Code Output 6	→U2 2p	TP-D6

59	P77	ChangeSignal Latch orD/A	→U2 1p	TP-SI
60	P80	Metering IC Chip Select	→U5 7p	TP-CS
61	P81	Metering IC Data Clock	→U5 10p	TP-CLK
62	P82	Metering IC Range Change	→U5 5p	TP-LS
63	P83	Metering IC Charge	→U5 4p	TP-CHG
64	P84	Finder LCD Segment2	→Finder LCD SEG2	TP-SEG2
65	P85	Finder LCD Segment3	→Finder LCD SEG3	TP-SEG3
66	P86	Finder LCD Segment4	→Finder LCD SEG4	TP-SEG4
67	P87	Finder LCD Segment5	→Finder LCD SEG5	TP-SEG5
68	P90	Finder LCD Segment1	→Finder LCD SEG1	TP-SEG1
69	P91	Finder LCD Segment6	→Finder LCD SEG6	TP-SEG6
70	P92	Finder LCD Segment7	→Finder LCD SEG7	TP-SEG7
71	P93	Finder LCD Segment8	→Finder LCD SEG8	TP-SEG8
72	P94	Finder LCD Segment9	→Finder LCD SEG9	TP-SEG9
73	P95	Finder LCD Segment10	→Finder LCD SEG10	TP-SEG10
74	CL2	Finder LCD Segment11	→Finder LCD SEG11	TP-SEG11
75	CL1	Finder LCD Segment12	→Finder LCD SEG12	TP-SEG12
76	Vdd	V d d		
77	P10	Clock Output	→U2 16p	TP-CLK
78	P11	F-min Signal(L is Min)	→F m i n SW	TP-FMIN
79	P12	DC-DC Control Signal	→Q202B. LCD EN2	TP-CTL
80	P13	AF PINT	→AF PhotoInter-rupterOutput	TP-AFPIO
81	P14	PWM Output	→U2 15p	TP-PMH
82	P15	Lens Contact(R/W 1)	→Lens B Contact	TP-RW1
83	P16	Ap PINT	→Ap PhotoInter-rupterOutpu	TP-APPIO
84	P17		P13	
85	P40	D X 2	→R716, DX2	TP-DX2
86	P41	D X 5	→R713, DX5	TP-DX5
87	P42	D X 4	→R714, DX4	TP-DX4
88	P43	Sprocket Switch Input	→R203, Spro- S W	TP-SPRO
89	AVcc	4 VRegulater Output	→R15, C11, U2 29 30p	TP-VREF1
90	PB0	Metering IC Output	→U5 2p	TP-VOUT1
91	PB1	N C		
92	PB2	Built in Flash RTH	→R15, SB TH1	TP-ATH
93	PB3	C C D Output	→U2 33p	TP-AFOUT
94	PB4	N C		
95	PB5	T T L Reference Voltage	→U8 2p	TP-VREF
96	PB6	N C		
97	PB7	N C		
98	PC0	N C		
99	PC1	N C		
100	PC2	T T L Output	→R5, D1	

SI —— Serial Input SO —— Seruial Output SDA —— Serial Data
PWM —— Puls Width Modulation Ap —— Aperture PINT — Photo Interruputer
R/W —— Read Write Signal

AF IC (M5 0 2 0 8 F P) Pin Name Table

NO	PORT	Name	Contact	Land
1	S1	Select Bit 1	→U1 59p	TP-S1
2	D6	Decoder input Bit 6	→U1 58p	TP-D6
3	D5	Decoder input Bit 5	→U1 57p	TP-D5
4	D4	Decoder input Bit 4	→U1 56p	TP-D4
5	D3	Decoder input Bit 3	→U1 55p	TP-D3
6	D2	Decoder input Bit 2	→U1 54p	TP-D2
7	D1	Decoder input Bit 1	→U1 53p	TP-D1
8	D0	Decoder input Bit ϕ	→U1 52p	TP-D0
9	DGND	DGND		
10	STB	Latch Timing Signal	→U1 26p	TP-STB
11	NC	NC		
12	AGC	HardAGC(ChargeComplet)	→U1 11p	TP-AGC
13	TTL	TTL Current Source	→D1→R705→Hot SHue TTL	TP-TTL1
14	RESET	NC		
15	PWMIN	PWM Input	→U1 81p	TP-PWMI
16	CLKIN	1.25MHz Input	→U1 77p	TP-CLK
17	Vcc	Vcc		
18	CHTOUT	NC		
19	CHTIN	NC		
20	NC	NC		
21	TM1	TrigerSignal 1	→Built in Flash TrigerSignal	TP-STA
22	SBPOUT	ChargeSignal for SB	→Built in Flash OSC Signal	TP-SBCHG
23	SBPIN	BatteryCheck Signal	→R1, R2	
24	PL1	ApPINT Driver	→ApPhotoInterrupter K	TP-APPIC
25	MG3	Ap Mg Drive Signal	→Q401B(Ap Mg Drive)	TP-APMG
26	DB	Data Print Signal	→Data Back Contact	TP-DB
27	PL2	AF PINT Drive	→R403→AF PhotoInterupter K	TP-APPIC
28	IS	Integrate Start Signal	→U8 1p	TP-IS
29	VREFIN	4 V Input(Rference V)	→C11, U1 39p, R15	TP-VREF1
30	VRFOUT	4 V Regulater Output	Conect to "VREFIN"	
31	D/A	D/A Output	→U8 3p	TP-DA
32	AVcc	AVcc		
33	AFOUT	AF Signal Output	→U1 33p	TP-AFOUT
34	COBB	Sample Hold C(B)	→C7	
35	COBA	Sample Hold C(A)	→C8	
36	VB2	NC		
37	VB1	NC		
38	VBIN	CCD Signal B	→U7 1p	TP-VOUTB
39	VA2	NC		
40	VA1	NC		
41	VAIN	CCD Signal A	→U7 6p	TP-VOUTA
42	AGCM	AGC Control		
43	AGC	NC		
44	AGND	GND		
45	QTG	Carry Timming Signal	→U7 12p	TP-TG
46	QCG	Clear Timming Signal	→U7 13p	TP-CG
47	QC	Clock	→U7 14p	TP-C
48	QRA	Charge Level(A)	→U7 15p	TP-RA

49	QRB	Charge Level (B)	→U7 16p	TP-RB
50	CM1	CCD GainAdjustOutput	→U7 5p	TP-OG
51	PIKAPI	Focusing Light Output	→HotShue RDY, R9, R11	TP-RDYI
52	TM2	SB Triger Signal		
53	PWM1	Motor Driver Output 1	→U6 10p	TP-PWM1
54	PWM2	Motor Driver Output 2	→U6 8p	TP-PWM2
55	PWM3	Motor Driver Output 3	→U6 9p	TP-PWM3
56	ILM	Illuminater Control	→Q601B(IliminaterLED Drive)	TP-ILM
57	CM2	N C		
58	CM3	N C		
59	TM3	N C		
60	TM4		→Q701B(TRIAC Drive)	TP-SYNC
61	MG2		→Q205B(2ndCartainMagnetDrive)	TP-RMG
62	MG1		→Q205B(1stCartainMagnetDrive)	TP-FMG
63	TM5		→Q203B(Release MagnetDrive)	TP-RLSMG
64	TM6		→R703→LED for Self-Timer	TP-SELF

Mg —— Magnet

TTL IC (M52961FP) Pin Name Table

NO	PORT	Name	Contact	Land
1	IS	IntegrateStartSignal	→U2 28p	TP8-IS
2	VREF	ReferenceVoltage	→U1 93p	TP8-VREF
3	DA	Gain Select Voltage	→U2 31p	TP8-DA
4	AGND	A G N D		
5	NC			
6	STOP1	Stop Signal 1	→R706→HotShue STOP	TP8-STOP1
7	STOP2	Stop Signal 2	→U1 13p, D202 →Built in SB	TP8-STOP2
8	Vcc	A V C C		
9	SC	Condenserfor Integrate	→C802	
10	DGND	D G N D		

MeteringIC (M52960FP) Pin Name Table

NO	PORT	Name	Contact	Land
1	NC	Reference Voltage	N C	
2	VOUT	Metring Output	→R204→TP-VOUT1→U1 90p	TP2-VOUTA
3	AVCC	A V C C		TP2-AVCC
4	CHG	ChargeSignalto HeadAmp	→TP-CHG→U1 63p	TP2-CHG
5	LS	Range Change Signal	→TP-LS →U1 62p	TP2-LS
6	NC	Test Mode Signal	N C	TP2-TEST
7	CS	Channel Select Signal	→TP-CS →U1 60p	TP2-CS
8	DGND	D G N D		
9	AGND	A G N D		TP2-AGND
10	CLK	Channel Select Clock	→TP-CLK→U1 61p	TP2-CLK

Check Land Table

cf. ——— TP is for "Test Point".CN is for "Connecter".WL is for"Wirering".AS is for ".AS is for"ASSETSU(means contact for face to face)".
POS. is indicated the position of Test Point on the figure of PCB.

Main PCB (Face)

Land Name	Signal Name	Connect	POS.
TP-1	Battery Check Input	U1 1p ← →C1,R3,R4	C 2
TP-12	ChargeSignal(L is Charged)	U1 12p← →R16,Q3C 1/2	C 2
TP-28	Power for LCD	U1 28p← →Center of R7	B 2
TP-29	Power for LCD	U1 29p← →R6,R7	B 2
TP-46	SB Power ON Signal	U1 46p← →Q3C 2/2	B 2
TP-AEL	AE Lock Switch	CN2-AEL ← →U1 51p	D 1
TP-BAT2	Battery Voltage	→Vbat	B 2
TP-C	Carry Clock	U2 47p← →CN3-C	A 2
TP-CG	Clear Timming	U2 46p← →CN3-CG	A 2
TP-CHG	Metring IC Charge Signal	U1 63p← →CN2-CHG	C 3
TP-CTL	DC-DC Control	U1 79p← →CN2-CTL	C 2
TP-D0	Latch Code 0	U2 8p ← →U1 52p	B 2
TP-D1	Latch Code 1	U2 7p ← →U1 53p	↓
TP-D2	Latch Code 2	U2 6p ← →U1 54p	↓
TP-D3	Latch Code 3	U2 5p ← →U1 55p	↓
TP-D4	Latch Code 4	U2 4p ← →U1 56p	↓
TP-D5	Latch Code 5	U2 3p ← →U1 57p	↓
TP-D6	Latch Code 6	U2 2p ← →U1 58p	↓
TP-DGND1	Digital GND	→DGND	C 2
TP-DX4	DX4 Contact	U1 87p← →CN7-DX4	C 2
TP-DX6	DX6 Contact	U1 48p← →CN7-DX6	C 3
TP-FMG	1st Magnet Drive Signal	U2 52p← →CN2-FMG	A 2
TP-HAN	Pre-release Switch	U1 39p← →CN2-HAN,CN7-HAN	B 2
TP-LS	Metring Range Change	U1 62p← →CN2-LS	C 3
TP-NS1			B 1
TP-NS2			B-C2
TP-OG	CCD OG Signal	U2 50p← →CN3-OG	A 2
TP-RA	CCD RA Signal	U2 48p← →CN3-RA	A 2
TP-RES1	U9 Input	U9 2p ← →C12,R17,D4	B 2
TP-RLSMG	Release Magnet Drive	U2 63p← →CN2-RLSMG	A 2
TP-RMG	2nd Magnet Drive	U2 61p← →CN2-RMG	A 2
TP-RTH	Thermo Signal(Flash)	U1 92p,R15← →CN2-RTH	C 2
TP-S1	Change Signal Latch & D/A	U1 59p← →U2 1p	B 2
TP-SBPIN			A 1
TP-SEG7	Finder LCD Seg7	U1 70p← →CN6-SEG7	C 3
TP-SEG8	Finder LCD Seg8	U1 71p← →CN6-SEG8	C 3
TP-SEG9	Finder LCD Seg9	U1 72p← →CN6-SEG9	C2-3
TP-SEG10	Finder LCD Seg10	U1 73p← →CN6-SEG10	C 3
TP-SEG11	Finder LCD Seg11	U1 74p← →CN6-SEG11	C 3
TP-SEG12	Finder LCD Seg12	U1 75p← →CN6-SEG12	C 2
TP-SELF	Self-timer LED Drive	U1 64p← →CN7-SELF	A-B2
TP-UBSW	Camera Back Switch	U1 42p← →CN7-UBSW	B 2

Main P C B (Back)

Land Name	Signal Name	Connect	POS.
TP-12V	12V(DC-DC Output)	CN2-12V ← →CN7-12V, CN3-12V	D 2
TP-AFOUT	A F Output	U1 93p← →U2 33p	D 2
TP-AFPIC	A F P I N T LED Drive	CN4-AFPICTL ← →U2 27p	C 2
TP-AFPIO	A F P I N T Output	CN4-AFPIOUT ← →U1 80p84p	B 2
TP-AFSW	A F S W(A or M)	CN4-AFSW← →U1 49p	C 2
TP-AGC	Hard Ware AGC Signal	U1 11p← → U2 12p	C 2
TP-AGC1	A G C for C C D	U2 43p← →CN3-AGC	D 2
TP-AGND	Analog G N D		B 2
TP-AGND1	↓		A 2
TP-AGND2	↓	AGND← →R2	D 2
TP-AGND3	↓		D 2
TP-APMG	Aperture Magnet Drive	CN4-APMG← →U2 25p	C 2
TP-APPIC	Aperture PINT LED Drive	CN4-APICTL← →U2 24p	C 2
TP-APPIO	Aperture PINT Output	CN4-APPIOUT ← →U1 83p	C 2
TP-AVCC	A V c c	CN4-AVCC← →AVcc	C 2
TP-BAT1	Battery Voltage	→CN7-BAT	A 2
TP-CLK	Metring Data Clock	U1 62p← →CN2-CLK	A 3
TP-CLK1	A F Output Data Clock	U2 16p← →U1 77p	C 2
TP-COM1	Finder LCD COMMON1	U2 35p← →CN6-COM1	B 2
TP-COM2	Finder LCD COMMON2	U2 34p← →CN6-COM2	B 2
TP-COM3	Finder LCD COMMON3	U2 33p← →CN6-COM3	B 2
TP-COM4	Finder LCD COMMON4	U2 32p← →CN6-COM4	B 2
TP-CS	Metring IC Chip Select	U1 60p← →CN2-CS	A 3
TP-CS1	LCD Driver Chip Select	U1 25p← →CN2-CS1	B 2
TP-DA	D/A Output for TTL	CN4-DA← →U2 31p	C 2
TP-DB	Data Back Print Contact	U2 26p← →CN7-DB	C 2
TP-DGND2	Digital G N D		B 2
TP-DX2	D X 2 Contact	U2 85p← →CN7-DX2	A 2
TP-DX3	D X 3 Contact	U2 14p← →CN7-DX3	B 2
TP-DX5	D X 5 Contact	U2 86p← →CN7-DX5	B 2
TP-FMIN	F M I N S W	CN4-FMIN← →U1 78p	B 2
TP-ILM	Illuminator Drive	U2 56p← →CN6-ILM	C 2
TP-IS	Integral Start Signal(TTL)	CN4-IS← →U2 29p30p	C 2
TP-IS1	↓	TP-IS ← →CN7-IS	C 2
TP-MNU	M E N U Switch	U1 41p← →CN2-MNU	B 2
TP-MODE	Mopde Switch	U1 37p← →CN7-MODE	B 2
TP-PGND1	Power G N D		A 2
TP-POWSW	Power Switch	U1 38p←→CN7-POWSW, CN2-POWSW	B 2
TP-PWM	P W M Signal	U1 81p← →U2 15p	C 2
TP-PWM1	Motor Drive Signal 1	U2 53p← →CN7-PWM1	C 2
TP-PWM2	Motor Drive Signal 2	U2 54p← →CN7-PWM2	B 2
TP-PWM3	Motor Drive Signal 3	U2 55p← →CN7-PWM3	C 2
TP-Q2	Battery Check Voltage	Q2C(PNP)← →R3	B 2
TP-RB	C C D RB Signal	U2 49p← →CN3-RB	D 2
TP-RDY	RDY Signal(Built in Flash)	U1 45p← →CN2-RDY	B 2
TP-RDY1	RDY Signal(Hot shoe)	U2 51p, R9, R11← →CN7-RDY	C 1
TP-RES	U1 Reset Signal	U1 9p ← →U9 1p, R18	B 2
TP-REW	Rewind Switch	U1 36p← →CN7-REW	A 2

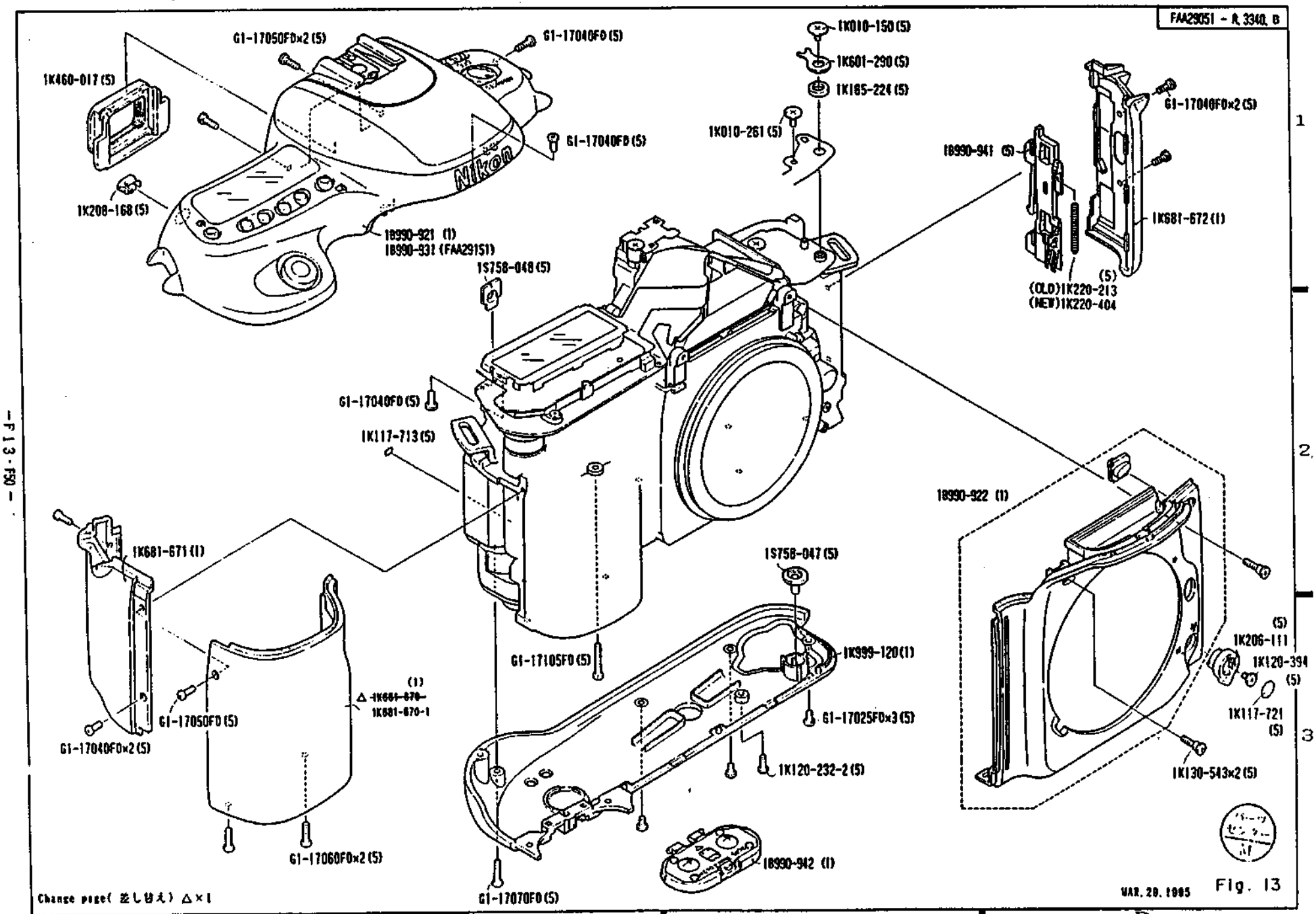
TP-RLS	Release Switch	U1 44p← →CN2-RLS	B 2
TP-RW1	Lens Contact B	CN4-RW1 ← →U1 82p	B 2
TP-SBCHG	Charge Signal(Flash)	U2 22p← →CN2-SBCHG	C 2
TP-SBSW	Pop-up Switch	U1 50p← →CN7-SBSW	A 2
TP-SCK	E^2PRPM SCL,LCD Drive SCK	U1 22p,U3 6p← →CN2-SCK	B 2
TP-SCK1	Lens Contact C	CN4-SCK ← →U1 19p	B 2
TP-SEG1	Finder LCD Seg1	U1 68p← →CN6-SEG1	B 3
TP-SEG2	Finder LCD Seg2	U1 64p← →CN6-SEG2	↓
TP-SEG3	Finder LCD Seg3	U1 65p← →CN6-SEG3	↓
TP-SEG4	Finder LCD Seg4	U1 66p← →CN6-SEG4	↓
TP-SEG5	Finder LCD Seg5	U1 67p← →CN6-SEG5	↓
TP-SEG6	Finder LCD Seg6	U1 69p← →CN6-SEG6	B2-3
TP-SI0	Lens Contact D	CN4-SI0 ← →U1 0p21p	C 2
TP-SO	SerialOutput(External LCD)	U1 23p24p,U3 5p ← →CN2-SO	B 2
TP-SPRO	Sprocket Switch	U1 88p← →CN2-SPRO	C 1
TP-SSW	Self-Timmer Switch	U1 40p← →CN2-SSW	B 2
TP-ST1	Setting Switch 1	U1 15p← →CN2-ST1	↓
TP-ST2	Setting Switch 2	U1 16p← →CN2-ST2	↓
TP-ST3	Setting Switch 3	U1 17p← →CN2-ST3	↓
TP-ST4	Setting Switch 4	U1 18p← →CN2-ST4	↓
TP-STA	Triger Signal(Flash)	U2 21p← →CN2-STA	C 2
TP-STB	Latch Strobe Signal	U1 26p← →U2 10p	C 2
TP-STOP1	TTL Stop Signal(Hot Shoe)	CN4-STOP1 ← →CN7-STP	C 2
TP-STP	TTL Stop Signal(Flash)	U1 13p,CN4-STOP2← →CN2-STP	B 2
TP-SYNC	Triac Drive Signal	U2 60p← →CN7-SYNC	C 1
TP-TG	CCD TG Signal	U2 45p← →CN3-TG	D 2
TP-TTL	TTL Signal	D1← →CN7-TTL	A1-2
TP-TTL1	TTL Signal	U2 13p← →D1	C 1
TP-VCC	Vcc	Vcc ← →Q1 NPN B	D 1
TP-VCC2	Vcc		B 2
TP-VDD1	Vdd		A 2
TP-VOUT1	Metring Output(AMP)	U1 90p← →CN2-VOUT1	A 2
TP-VOUTA	CCD A Output	U2 41p← →CN3-VOUTA	D 2
TP-VOUTB	CCD B Output	U2 38p← →CN3-VOUTB	D 2
TP-VREF	TTL IC Reference Voltage	CN4-VREF← →U1 95p	B 2
TP-VREF1	Reference Voltage for A/D	U1 89p← →R15,U2 29p30p	C 2
TP-XSW	Syncro Switch	U1 43p← →CN2-XSW	B 2

F50 (N50) EEPROM DATA

VER. 1994-02-01.

ADDRESS	CONTENTS / CPU VERSION DEC (HEX)	81 (51)						MEMO
0	AF調整用データ	----						
↓	↓	↓						
201	AF調整用データ	----						
202	AF調整用データ	----						
203	AF調整用データ	----						
204	カメラ制御用データ	161						
205	カメラ制御用データ	128						
206	AF調整データ	----						
207	AF調整データ	----						
208	AF調整データ	----						
209	AF調整データ	----						
210	M 1/8000 調整用データ	----						
211	AE調整用データ (1)	----						
212	AE調整用データ (GAMMA)	----						
213	AE調整用データ (2)	----						
214	TTL調整用データ (GAMMA)	----						
215	AE調整用データ (3)	----						
216	TTL調整用データ (LEVEL)	----						
217	AE調整用データ (4)	----						
218	AE調整用データ (AV)	----						
219	AE調整用データ (5)	----						
220	カメラ制御用データ	48						
221	AE調整用データ (6)	----						
222	カメラ制御用データ	128						
223	カメラ制御用データ	150						
224	カメラ制御用データ	190						
225	カメラ制御用データ	190						

ADDRESS	CONTENTS / CPU VERSION DEC (HEX)	81 (51)						MEMO
226	B.C ADJUSTMENT DATA	----						
227	B.C ADJUSTMENT DATA	----						
228	カメラ制御用データ	105						
229	カメラ制御用データ	32						
230	カメラ設定用データ	----						
231	カメラ設定用データ	----						
232	カメラ設定用データ	----						
233	カメラ設定用データ	----						
234	カメラ設定用データ	----						
235	カメラ設定用データ	----						
236	カメラ設定用データ	----						
237	カメラ設定用データ	----						
238	カメラ設定用データ	----						
239	カメラ設定用データ	----						
240	エラーデータ	----						
241	カメラ制御用データ	----						
242	チェックサム用データ	----						
243	NOT USE	0						
｜								
247	NOT USE	0						
248	工程内用データ	----						
｜								
255	工程内用データ	----						


FAA29051 - R, 3340, B
G1-17050FD×2 (5)
G1-17040FD (5)
1K460-017 (5)
G1-17040FD (5)
1K208-168 (5)
18990-921 (1)
18990-931 (FAA29151)
1K010-150 (5)
1K601-290 (5)
1K185-224 (5)
1K010-261 (5)
18990-941 (5)
G1-17040FD×2 (5)
1K681-672 (1)
(5)
(OLD)1K220-213
(NEW)1K220-404
1S758-048 (5)
G1-17040FD (5)
1K117-713 (5)
18990-922 (1)
1K681-671 (1)
1S758-047 (5)
(5)
1K206-111
1K120-394
(5)
1K117-721
(5)
1K999-120 (1)
G1-17025FD×3 (5)
1K120-232-2 (5)
1K130-543×2 (5)
(1)
△ 1K681-670-
1K681-670-1
G1-17050FD (5)
G1-17040FD×2 (5)
G1-17060FD×2 (5)
G1-17105FD (5)
18990-942 (1)
G1-17070FD (5)
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MAR. 20. 1995
Fig. 13

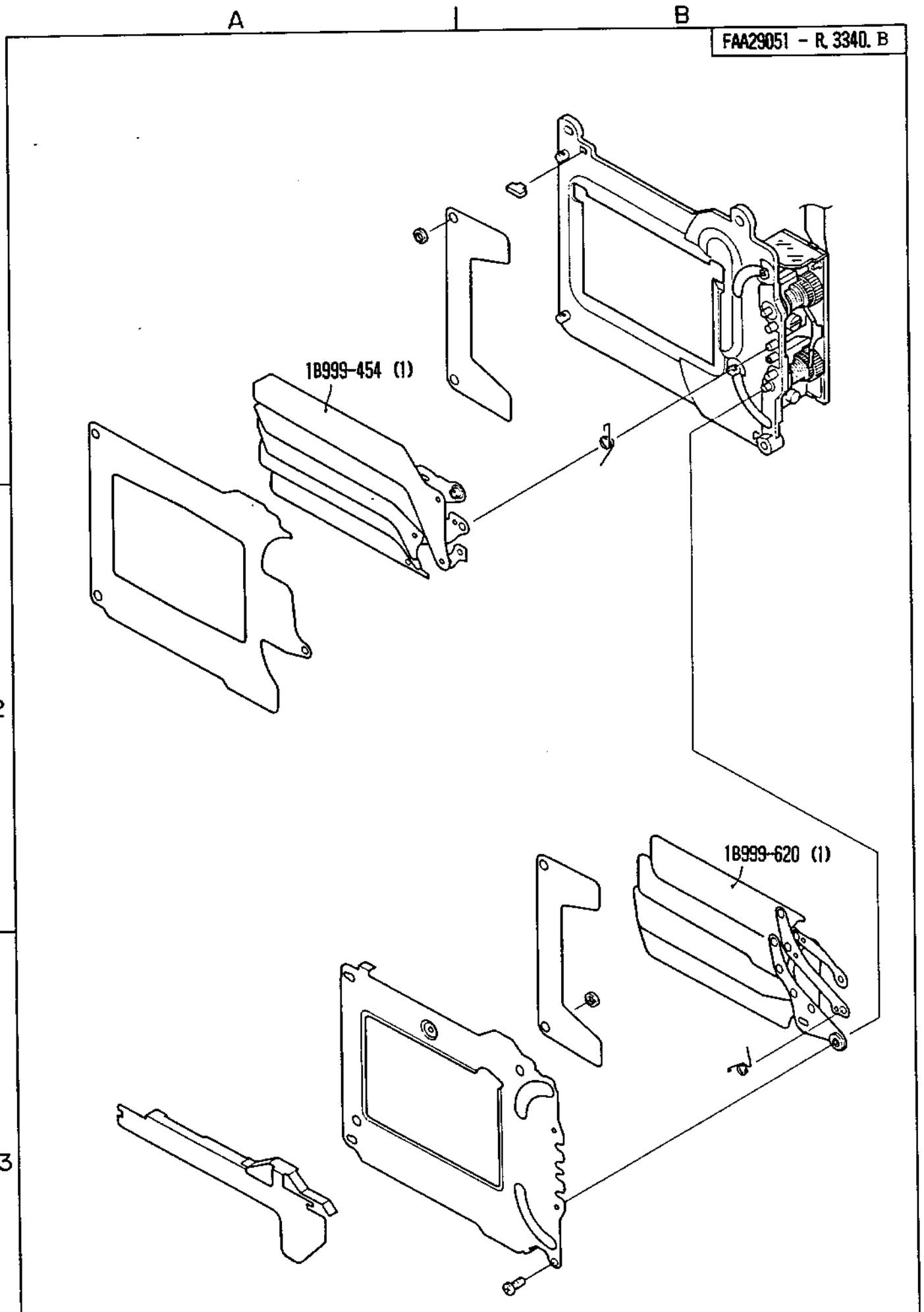

Fig. 14

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
1K001-083	514	Screw	2	1B990-988	4 B1	○△		5
1K001-084	515	Screw	2	1B990-988	4 A2	○△		5
1K001-085	516	Screw	2	1B990-988	6 A3	○△		5
1K001-086	517	Screw	1	1B990-988	6 B2	○△		5
1K001-087	518	Screw	3	1B990-988	6 A2	○△		5
1K001-088	519	Screw	2		3 A1	○		5
*1K010-136	502	Screw	4	1B999-621-1	12 B2	○△		5
*1K010-138	500	Screw	4	1B999-621-1	12 A2	○△		5
*1K010-146	508	Screw	1		8 B3	○		5
*1K010-150	504	Screw	1		13 C1	○		5
*1K010-185	501	Screw	3		3 A3	○		5
1K010-252-1 (1K010-252)	164	AFセンサー 調整ビス AF Sensor adjusting screw	3		7 B3	○		5
1K010-253	339	SBアップ制限ピン Flash up sttoper	1	1B990-921	10 B1	○△		5
1K010-254	498	Screw	1		2 A2	○		5
1K010-255	499	Screw	1		2 A3	○		5

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1K010-256	503	Screw	4	1B990-988	5 A3	○△		5
	1K010-257	505	Screw	2	1B990-988	5 B2	○△		5
	1K010-258	506	Screw	1		3 B2	○		5
	1K010-260	509	Screw	1	1B990-921	10 B1	○△		5
	1K010-261	510	Screw	5	1B990-921	1-B2 9-B1 13-C1	○△		5
	1K010-262	511	Screw	1		9 B1	○		5
	1K010-263	512	Screw	3		8 B2	○		5
	1K010-264	544	Screw	1		3 A3	○		5
	1K010-266	497	Screw	2		8 A2	○		5
△	※1K050-034	592	Washer t=0.1	5		8	○	BP-9452 製技資料94P-1017 参照方	5
△	※1K050-393	591	Washer t=0.1	1		8 B1	○	BP-9452 製技資料94P-1017 参照方	5
	※1K060-045	550	E-リング E-Ring	1	1B990-921	10 A3	○△		5
	※1K060-047-1 (1K060-047)	552	E-リング E-Ring	1	1B990-988	4 A3	○△		5
	※1K060-048	551	E-リング E-Ring	4	1B990-988 1B990-991	4 B2	○△		5
	1K100-131	137	吊り金具（巻上げ側） Camera strap eyelet (film advance side)	1		1 A1	○		5
	1K100-132	138	吊り金具（巻戻し側） Camera strap eyelet (film rewind side)	1		1 B1	○		5
	1K110-423	117	巻き戻しベルト Rewind belt	1		3 B3	○		5

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パーツセンター M

SEP. 27. 1994

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1K115-660-1	436	Tape	1	1B990-988	6 B1	×	TA-0006 (6 X 13)	
	*1K116-383	296	ミラー受けモルト A Mirrow holder sponge A	1	1B990-988	4 A1	○△		5
	*1K116-437	297	ミラー受けモルトB Mirrow holder sponge B	1	1B990-988	4 A1	○△		5
	*1K117-039	282	接眼視野枠 Eyepiece mask	1	1B990-964 1B990-988	5 A1	○△		5
	*1K117-041	288	ペンタ保護シート Pentaprism protect sheet	1	1B990-988	6 B1	○△		5
	*1K117-046-1 (1K117-046)	404	パトローネ窓用スポンジ Sponge pad for patrone window	1	1B999-621-1	12 B2	○△		5
	*1K117-287	187	防音ゴム Rubber	2	1B990-988	4 B3	○△		5
	1K117-713	127	フィルムマーク Film leader index mask	1		13 B2	○		5
	1K117-714	134	スプール室 穴隠しテープ Tape	1		2 A3	○		5
	1K117-715	188	押さえゴム Rubber	2	1B990-988	4 A2	○△		5
	1K117-716	228	植毛紙 Flocked sheet	1	1B990-988	5 B3	○△		5
△	1K117-717 1K117-822	285	視野枠 Finder field frame	1	1B990-988	6 A1	○△	RP-9453	5
	1K117-719	300A	合致スペーサー t=0.2 Spacer for focus screen	0-1	1B990-988	6 B2	○△		5
	1K117-720	300B	合致スペーサー t=0.4 Spacer for focus screen	0-1	1B990-988	6 B2	○△		5
	1K117-721	323	AFモード ノブカバー Focus mode selecter cover	1		13 D3	○		5

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パーツセンター A!　OCT. 11. 1994

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1K117-724	433	裏蓋SW両面テープ Tape, camera back switch	1		1 B1	×	TA-0004 (5 X 12)	
△	1K117-725	434	Tape	1		11 A1	○	RP-9451	5
	1K117-728	437	Tape	1		1 A2	×	TA-0004 (8 X 8)	
	1K117-741	438	Tape	1		7 A1	×	TA-0005 (10 X 15)	
	1K117-749	414	ローラーゴム Roller rubber	1		12 B3	○		5
	1K117-806	443	Tape	2		9-A2 10-B3	×	TA-0005 (13 X 6)	
	*1K120-015	527	Screw	2	1B990-988	5 A3	○△		5
	*1K120-106	520	Screw	1	1B990-988	6 A3	○△		5
	*1K120-232-2 (1K120-232)	454	Screw	1		13 C3	○		5
	*1K120-307	523	Screw	4	1B990-921	10 B3	○△		5
	*1K120-308	526	Screw	2		8 A2 B2	○		5
	1K120-393	521	Screw	1		8 A3	○		5
	1K120-394	522	Screw	1		13 B3	○		5
	1K120-395	524	Screw	2	1B990-988	4 B2	○△		5
	1K120-396	525	Screw	1		7 B1	○		5
	1K123-157 (1K123-046)	530	Screw	4	1B990-988	6 B3	○△		5

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パーツセンター

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
△	*1K117-820	447	SBコンデンサー用モルト Sponge. SB condensor	1		2 A3	○	RP-9451	5
△	*1K117-828	448	Tape	1		9 A2	×	RP-9451 TA-0010 (5X7)	
△	*1K117-829	449	モルトプレン Sponge	1		9 B2	○	RP-9451	5

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パーツセンター　SEP. 16. 1994

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
*1K123-158	531	Screw	1	1B990-988	6 B3	○△		5
1K123-187	536	Screw	1		7 A3	○△		5
*1K130-481	542	Screw	2	1B990-988	4 A3	○△		5
1K130-540	540	Screw	2	1B990-988	6 B3	○△		5
1K130-541	541	Screw	1	1B990-988	6 A2	○△		5
1K130-542	543	Screw	2		7 A2	○		5
1K130-543	545	Screw	2		13 D3	○		5
*1K146-082	548	Screw	1	1B990-988	4 B2	○△		5
1K165-224	442	圧接ゴム（バトローネ室上） Press-contact rubber(upper side of film cartridge chamber)	1		13 C1	○		5
1K206-111	319	A－M切り替えレバー Focus mode selector	1		13 D3	○		5
1K206-112	371	電源SWノブ Power switch knob	1	1B990-921	11 B1	○△		5
1K206-113	374	モードセレクター Exposure mode selector	1	1B990-921	11 B1	○△		5
1K208-166	349	レリーズ釦 Release button	1	1B990-921	11 B2	○△		5
1K208-167	354	セレクト釦 Select button	4	1B990-921	11 A1	○△		5
1K208-168	355	AE－L釦 AE lock button	1		13 A1	○		5

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
1K230-401	207	ミラーダウンバネ Spring, mirror-down	1	1B990-988	5 A3	○△		5
1K230-402	218	シャッター係止レバーバネ Spring, shutter ratch lever	1	1B990-988	5 A3	○△		5
1K230-403	223	係止解除レバーバネ Spring, ratch release lever	1	1B990-988	5 A3	○△		5
1K230-407	336	SBアップバネ Flash up spring	1	1B990-921	10 B1	○△		5
*1K233-050-2 (1K233-050)	287	ペンタ押さえバネ Pentaprism retaining spring	1	1B990-988	6 B1	○△		5
*1K233-076	284	スクリーンバネ Focus screen spring	1	1B990-964 1B990-988	5 B1	○△		5
1K233-089	177	AF PI 円盤止めバネ AF PI disk retaining spring	1	1B990-988	4 B3	○△		5
*1K240-468-4 (1K240-468-2)	302	バヨネットバネ Lens mounting flange spring	1	1B990-988	6 B3	○△		5
*1K240-747	405	パトローネ押さえ板(裏蓋) Film cartridge retainer plate (camera back)	1	1B999-621-1	12 B4	○△		5
*1K240-867	343	シューバネ Shoe spring	1		10 A2	○		5
1K240-932	370	メインSWクリックバネ Click spring for power switch	1	1B990-921	11 B2	○△		5
1K240-933	373	メインSWブラシ Power switch brush	1	1B990-921	11 B3	○△		1
1K240-935	377	モードセレクター、クリックバネ Click spring for exposure mode selector	1	1B990-921	11 B2	○△		5
1K240-946	121	パトローネ押さえ板(ボディ) Film cartridge retainer plate (body)	1		1 B1	○		5

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
*1K260-371	183	APカップリングギア- AF coupling gear	1	1B990-988	4 A3	○△		5
1K260-684	47	減速ギア- F Reducing gear F	1		3 B2	○		5
1K260-685	48	減速ギア- G Reducing gear G	1		3 B2	○		5
1K260-687	50	巻上げアイドルギア- N Idle gear N ,f Film advance idle gear N	1		3 B1	○		5
1K260-688	62	第2太陽ギア- I 2nd sun gear I	1		3 A3	○		5
1K260-690	64	第3太陽ギア- J 3rd sun gear J	1		3 A2	○		5
1K260-692	67	巻き戻しギア- Film rewind gear	1		3 A2	○		5
1K260-693	104	スプロケットギア- Sproket gear	1		2 A1	○		5
1K275-085	68	巻き戻しベルトギア- Film rewind belt gear	1		3 B3	○		5
1K275-086	103	スプロケット Sproket	1		2 A2	○		5
1K275-087	112	巻き戻しフォークギア- Fork pully	1		8 B2	○		5
1K277-167	43	減速ギア- B Reducing gear B	1		3 A2	○		5
1K277-168	44	減速ギア- C Reducing gear C	1		3 A2	○		5
1K277-169	45	減速ギア- D Reducing gear D	1		3 A2	○		5
1K277-170	46	減速ギア- E Reducing gear E	1		3 A2	○		5

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
1K277-171	51	巻上げアイドルギア- O Film advance idle gear O	1		3 B1	○		5
1K277-172	57	スプール Spool	1		2 B2	○		5
1K277-173	180	AF 減速ギア- B AF reducing gear B	1	1B990-988	4 B3	○△		5
1K277-174	181	AF 減速ギア- C AF reducing gear C	1	1B990-988	4 B3	○△		5
1K277-175	182	AF 減速ギア- D AF reducing gear D	1	1B990-988	4 B3	○△		5
*1K300-076	320	フォーカスモードカム Focus mode cam	1	1B990-988	4 B2	○△		5
1K300-097	66	チャージカム Charge cam	1		3 B2	○		5
*1K371-150-1 (1K371-150)	184	AF カップリング軸 AF coupling shaft	1	1B990-988	4 B3	○△		5
1K371-834	308	レンズ着脱ピン Lens release pin	1	1B990-991 1B990-988	4 B2	○△		5
1K371-837	368	ゴム蓋 Rubber lid	2	1B990-921	10 A3	○△		5
1K371-838	407	スプールローラー(裏蓋) Spool roller(camera back)	1	1B999-621-1	12 B3	○△		5
*1K404-086	301	バヨネットマウント Lens mounting flange	1	1B990-988	6 B3	○△		5
*1K406-032-1 (1K406-032)	341	シュー座 Accessory shoe	1		10 A2	○		5
*1K460-017	283	接眼枠 Eyepiece faame	1		13 A1	○		5

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
*1K600-762	441	圧接ゴム（前ボディ） Press-contact rubber(Front body)	1		7 B2	○		5
1K601-288	359	LCD窓 LCD window	1		11 A1	○	RP-9451	5
1K601-290	440	圧接板（パトローネ室上） Press-contact plate(upper side of film cartridge chamber)	1		13 C1	○		5
1K601-292	439	圧接板（前ボディ） Press-contact plate.(front body)	1		7 B2	○		5
*1K611-472	286	ペンタ押さえ板 pentaprism retaining plate	1	1B990-988	6 B1	○△		5
1K611-942	171	AFモーター基板 AF motor base plate	1	1B990-988	4 B3	○△		1
1K611-951	346	シュー裏打ち板 Shoe shield plate	1	1B990-921	10 B3	○△		5
1K611-952	248	遮光板 Light baffle plate	1		7 A2	○		5
1K611-954	295	AE SPD シールド板 AE SPD Shield plate	1	1B990-964 1B990-988	5 B1	○△		5
*1K630-772	334	SB 回転軸 Slash head shaft	1	1B990-921	10 A1	○△		5
1K630-857	114	巻き戻し フォーク Film rewind Fork	1		8 B1	○		5
*1K640-636	185	AFカップリングカラー AF Coupring coller	1	1B990-988	4 A3	○△		5
△ ~~1K681-670~~ 1K681-670-1	26	グリップ前カバー Hand glip front cover	1		13 B3	○	RP-9518 95F-2003 RP-9528	1
1K681-671	27	グリップ後カバー Hand glip rear cover	1		13 A2	○		1
1K681-672	28	裏蓋開閉レバーカバー Camera back lock release cover	1		13 D1	○		1
1K681-673	41	給送上基板 Film advance upper base plate	1		3 B1	○		5

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Mar. 29. 1995

パーツセンター A.I

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1K681-674	61	給送下基板 Film advance lower base plate	1		3 B3	○		5
	1K681-676	101	スプロケット ギア基板 Sprocket gear base plate	1		2 B1	○		1
	1K681-677	102	スプロケット ギア カバー Sprocket gear cover	1		2 B1	○		1
	1K681-678	122	パトローネ受け Film cartridge set mold	1		8 A1	○		5
	1K681-679	125	DX接点カバー DX contact cover	1		1 A3	○		5
	1K681-680	130	スプールローラー基板 Spool roller base plate	1		2 A2	○		1
	1K681-684	172	AFギア基板 AF gear base plate	1	1B990-988	4 B3	○△		1
	1K681-685	178	AF PI 円盤 AF PI disk	1	1B990-988	4 B3	○△		5
	1K681-689	240	TTL SPD 押さえブロック TTL SPD retaining brock	1	1B990-988	5 B3	○△		5
	1K681-690	241	L基板 L base plate	1	1B990-988	5 B3	○△		5
	1K681-693	331	カバー Flash cover	1	1B990-921	10 B1	○△		1
	1K681-695	333	プロテクター Protector	1	1B990-921	10 B2	○△		1
	1K681-697	372	電源SW裏打ち板 Power switch plate	1	1B990-921	11 B2	○△		5
△	1K681-699 *1K681-699-1	391	外部LCD基板 LCD pane base plate	1		9 A1	○	RP-9453	5
	1K681-700	392	圧接基板 Press-contact base plate	1		1 B2	○		5

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パーツセンター M

OCT. 11. 1994

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1K999-118		Xe管 Xenon tube	1		10 B2	○		5
	1K999-119		トリガーコイル Trigger coil	1		10 A1	○		5
	1K999-120	25	底カバー Bottom cover	1		13 C3	○	No2001001 ～	1
	*1G308-026	G5	接眼レンズ Eyepiece lens	1	1B990-964 1B990-988	5 A1	○△		1
	*1G415-013	G4	ペンタプリズム Pentaprism	1	1B990-988	6 A1	○△		1
	1G571-007	G1	主ミラー Main mirror	1	1B990-988 1B990-981	5 A2	○△		1
	1G680-034	G11	IRフィルター（TTL用） IR filter (TTL)	1	1B990-988	5 B3	○△		1
△	1G950-078	G3	スクリーン Focus Screen	1	1B990-988	6 B2	○△	RP-9608	1

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APR. 10. 1996

パーツセンター

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1S223-008	1046	モータドライバIC MD IC	1	1S020-112	1 B3	○△		5
	1S237-076	1045	6分割測光IC 6 split metering IC	1	1B990-975	9 B1	○△		5
	1S258-016	1026	AFフォトインタラプタ AF photo interrupter	1	1B990-988 1B990-982	4 B3	○△		5
	*1S260-055	1025	LED (セルフ表示用) LED (for self indicator)	1	1S020-112	1 B3	○△		5
	1S622-004	34	レリーズ Mg Release Mg	1	1B990-988	5 A2	○△		5
	1S700-368	107	スプロケット PCB Sproket PCB	1		2 B1	○		1
	1S705-250	1010	AE-L FPC AE-L FPC	1		9 A2	○		5
	1S705-255-2	1005	ホットシューFPC Hot shoe FPC	1	1B990-921	10 B3	○△		5
	1S705-259	1009	AF FPC AF FPC	1	1B990-988	4 B3	○△		5
	1S758-046	353	LCD押し釦ゴム LCD set button rubber	1	1B990-921	11 A3	○△		5
	1S758-047	387	巻戻釦ゴム Rewind button rubber	1		13 C2	○		5
	1S758-048	357	AE-Lゴム AE-L rubber	1		13 B1	○		5
	1S726-074	446	アセテートクロステープ Tape	1		10 A2	×	TA-0006S (6 X 20)	
△	1S999-115		スライダー Slider	1		7 B1	○	RP-9479 (ｻｰﾋﾞｽ 技報94-39 参照方)	5
△	1S999-116		スライダー Slider	1		7 B1	○	RP-9479 (ｻｰﾋﾞｽ 技報94-39 参照方)	5
△	1S999-117		スライダー Slider	1		7 B1	○	RP-9479 (ｻｰﾋﾞｽ 技報94-39 参照方)	5

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部品表 Parts List

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
A1-17025FA	453	Screw	1	1B990-975	6 B3	○△		5
B1-14020FA	465	Screw	3	1B990-988	4-B3 8-B3	○△		5
G1-14025FD	470	Screw	1	1B990-988	5 B1	○△		5
G1-14030FA	471	Screw	1		7 B1	○		5
G1-17020FA	472	Screw	2	1B999-621-1	12 B2	○△		5
G1-17025FD	473	Screw	7	1B990-921 1B990-988	1-B3 8-A1 10-B3	○△		5
G1-17030FD	474	Screw	6	1B990-988	1-A1 10-B2 11-B2	○△		5
G1-17035FD	481	Screw	6	1B990-921 1B990-988	1-B3 5-B3 10-A2	○△		5
G1-17040FD	475	Screw	14		8-A3 13-A3 B1.B2	○		5
G1-17050FD	477	Screw	5		9-A1 13-A1 13-A3	○		5
G1-17060FD	476	Screw	2		13 A3	○		5
G1-17070FD	482	Screw	1		13 B3	○		5
G1-17105FD	478	Screw	1		13 B3	○		5
G2-17040FA	479	Screw	2	1B990-988	4 A3	○△		5
H1-17040FD	490	Screw	4		2-B1 7-A2	○		5

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
H1-17075FA	491	Screw	1		1 A1	○		5
H1-20040FD	493	Screw	4		1 A1 B1	○		5
H1-20050FD	492	Screw	4		8 A3 B3	○		5
H1-20055FA	495	Screw	1		8 A2	○		5
H1-20080FA	494	Screw	2		8 A1	○		5
S1-00800SX	560	E-ring	6	1B990-988	11 A3	○△		5
S1-01200SX	561	E-ring	1		3 A3	○		5
S1-01500SX	562	E-ring	1	1B990-921	11 A3	○△		5

	部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
	*1B001-712	B312	F min SW F min SW	1	1B990-988	6 A3		1
	1B060-559	B31	シャッター組 Shutter unit	1	1B999-454 1B999-620	7 A3		1
	1B060-560	B32	巻上げモーター Film advance motor	1		3 A1		1
	1B240-112	B123	DX接点 組 DX contact unit	1		1 B2		5
	1B240-113	B335	SBポップアップSW Flash pop-up SW	1	1B990-921	10 B3		5
	*1B610-035-2 (1B610-035-1)	B303	レンズ接点 組 Lens contact unit	1	1B990-988	4 B2		5
	*1B990-800	B342	シュー座 Shoe base unit	1	1B990-921	10 A2		5
	1B990-921	B23	上カバー (F50) Top cover (F50)	1		11-A1 13-B1		1
	1B990-922	B24	前カバー Front cover	1		13 C2		1
	1B990-923	B33	AFモーター AF motor	1	1B990-988	4 A2		1
	1B990-925	B53	第1太陽ギア アーム組 Planet gear unit	1		3 B2		1
	1B990-929	B79	ギア組 Coupling gear unit	1		3 A2		1
	1B990-931 (FAA29151)		上カバー (N50) Top cover (N50)	1		11-A1 13-B1	For USA	1
△	~~1B990-932~~	B92	チャージレバー組 Charge lever unit	1		3 B2	製技資95F-1016 製技補説95-17 RP-9563	1
△	1B990-932-1							

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パーツセンター M

部組品表 Assembly List

FAA29251-R. 3340. B

部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
1B990-985	B6411	圧板 Pressure plate	1		15 B3		1
*1B999-569	421	DB モジュール DB module	1		15 B2		1
1B999-622		裏蓋組 Camera back unit	1		15 B1		1
△ 1B999-824		中蓋組 Inner cover assembly	1		15 A3	RP-9609	1
1S020-101	B7101	DB FPC DB FPC	1		15 B3		1

部品表 Parts List

FAA29051-R. 3340. B

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
1K208-169	356	SELF釦、メニュー釦 Self and menu button	2	1B990-921	11 A1.2	○△		5
1K208-170	362	ロック解除釦 Flash lock-release button	1	1B990-921	10 B2	○△		5
*1K220-041-1 (1K220-041)	310	レンズ着脱ピンバネ Lens release pin spring	1	1B990-991 1B990-988	4 B2	○△		5
*1K220-213 *1K220-404	142	裏蓋開閉レバーバネ Camera back lock-release spring	1		13 D2	○	RP-9479 RP-9452	5
*1K220-217	163	AFセンサー AF adjustment spring	3		7 B3	○		5
1K220-385	115	巻き戻しフォークバネ Spring. film rewind fork	1		8 B2	○		5
1K220-387	210	レリーズMg Spring. release Mg	1	1B990-988	5 A2	○△		5
1K220-388	309	レンズ着脱釦バネ Lens release button spring	1	1B990-988	4 B1	○△		5
1K220-389	363	SBロック解除釦バネ Spring. flash lock-release button	1	1B990-921	10 B2	○△		5
*1K225-157	316	F min SWバネ Spring. F min SW	1	1B990-988	6 B3	○△		5

部組品表 Assembly List

FAA29051-R. 3340. B

部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly No.	参照図番 Pig. No.	備考 Remarks	要求単位 Q'ty per order
1B990-935	B105	給送検出ギア組 Detection gear unit	1		2 B1		5
1B990-936	B111	巻戻し基板 Film rewind fork base plate unit	1		8 B2		5
1B990-938	B129	スプールローラー組 Spool roller unit	1		2 A3		5
1B990-940	B131	三脚基板 Tripod base plate	1		8 B2		5
1B990-941	B141	裏蓋開閉レバー Camera back lock release lever	1		13 D1		5
1B990-942	B151	電池室蓋 Battery chamber lid	1		13 C3		1
1B990-943	B156	電池接点組 Battery contact unit	1		1 A1		5
1B990-944	B161	AFセンサー組 AF Sensor unit	1		7 B3		1
1B990-947	B191	レンズ着脱釦基板 Lens release button base plate	1	1B990-797	4 B1		1
1B990-948	B193	AF 横レバー組 AF transverse lever unit	1	1B990-797	4 A2		1
1B990-949	B2201	I 基板組 I base plate unit	1	1B990-988	5 A3		1
1B990-954	B250	ラグ板 Lag plate	1		8 B3		5
1B990-959	B242	Lミラー軸組 L mirror shaft unit	1	1B990-797	5 B1		5
1B990-964	B281	プリズムボックス組 Prism box unit	1	1B990-988	5 A1		1
1B990-967	B315	Fmin プリント板 Fmin PCB	1	1B990-988	6 A3		1

	部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
	1B990-968	B325	A-M SW A-M SW	1	1B990-988	6 B2		5
	1B990-971	B375	モード SW Exposure mode SW	1	1B990-921	11 B2		5
	1B990-973	B411	圧板 Pressure plate	1		12 A3		1
△	1B990-974	B417	ローラー基板（裏蓋） Roller base plate (camera back)	1	1B999-621-1	12 A2	RP-9609	1
△	1B990-974-1	B417	ローラー基板（裏蓋） Roller base plate (camera back)	1	1B999-621-1	12 A2	RP-9609	1
	1B990-975	B2002	ペンタＦＰＣ Penta FPC	1		9 B1		1
	1B990-976	B2006	内LCD FPC Viewfinder LCD FPC	1		7 A1		1
	1B990-981	B2231	ミラー組 Mirror unit	1	1B990-988	5 B2		1
	1B990-982	B2251	絞り制御基板 Diaphragm control unit	1	1B990-988	6 A2		1
	1B990-983	B2382	レリーズSW組 Rerease SW unit	1		1 A1		1
	1B990-988	B2022	前ボディ組 Front body unit	1		4 5 6		1
	1B990-991	B306	レンズ着脱釦組 Lens release button unit	1	1B990-988	4 B1		1
	*1B999-454		シャッター先幕組 Opening curtain	1		14 A1		1
	1B999-620		シャッター後幕組 Closing curtain	1		14 B2		1
	1B999-621-1		裏蓋組 Camera back unit	1		12 A1		1

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パーツセンター M

	部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
	*1B001-712	B312	F min SW F min SW	1	1B990-988	6 A3		1
	1B060-559	B31	シャッター組 Shutter unit	1	1B999-454 1B999-620	7 A3		1
	1B060-560	B32	巻上げモーター Film advance motor	1		3 A1		1
	1B240-112	B123	DX接点 組 DX contact unit	1		1 B2		5
	1B240-113	B335	SBポップアップSW Flash pop-up SW	1	1B990-921	10 B3		5
	*1B610-035-2 (1B610-035-1)	B303	レンズ接点 組 Lens contact unit	1	1B990-988	4 B2		5
	*1B990-800	B342	シュー座 Shoe base unit	1	1B990-921	10 A2		5
	1B990-921	B23	上カバー (F50) Top cover (F50)	1		11-A1 13-B1		1
	1B990-922	B24	前カバー Front cover	1		13 C2		1
	1B990-923	B33	AFモーター AF motor	1	1B990-988	4 A2		1
	1B990-925	B53	第1太陽ギア アーム組 Planet gear unit	1		3 B2		1
	1B990-929	B79	ギア 組 Coupling gear unit	1		3 A2		1
	1B990-931 (FAA29151)		上カバー (N50) Top cover (N50)	1		11-A1 13-B1	For USA	1
△	1B990-932	B92	チャージレバー組 Charge lever unit	1		3 B2	製技資95F-1016 製技補説95-17 RP-9563	1
△	1B990-932-1							

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1S020-106	B1022	外LCD 組 LCD panel unit	1		9 A1		5

作成承認印	配布許可印
ニコンカメラサービス部 GM	サービス課 M

F50D FAA29251
F50DP FAA29351

DB PARTS LIST

Nikon | NIKON CORPORATION
Tokyo, Japan

Printed in Japan January

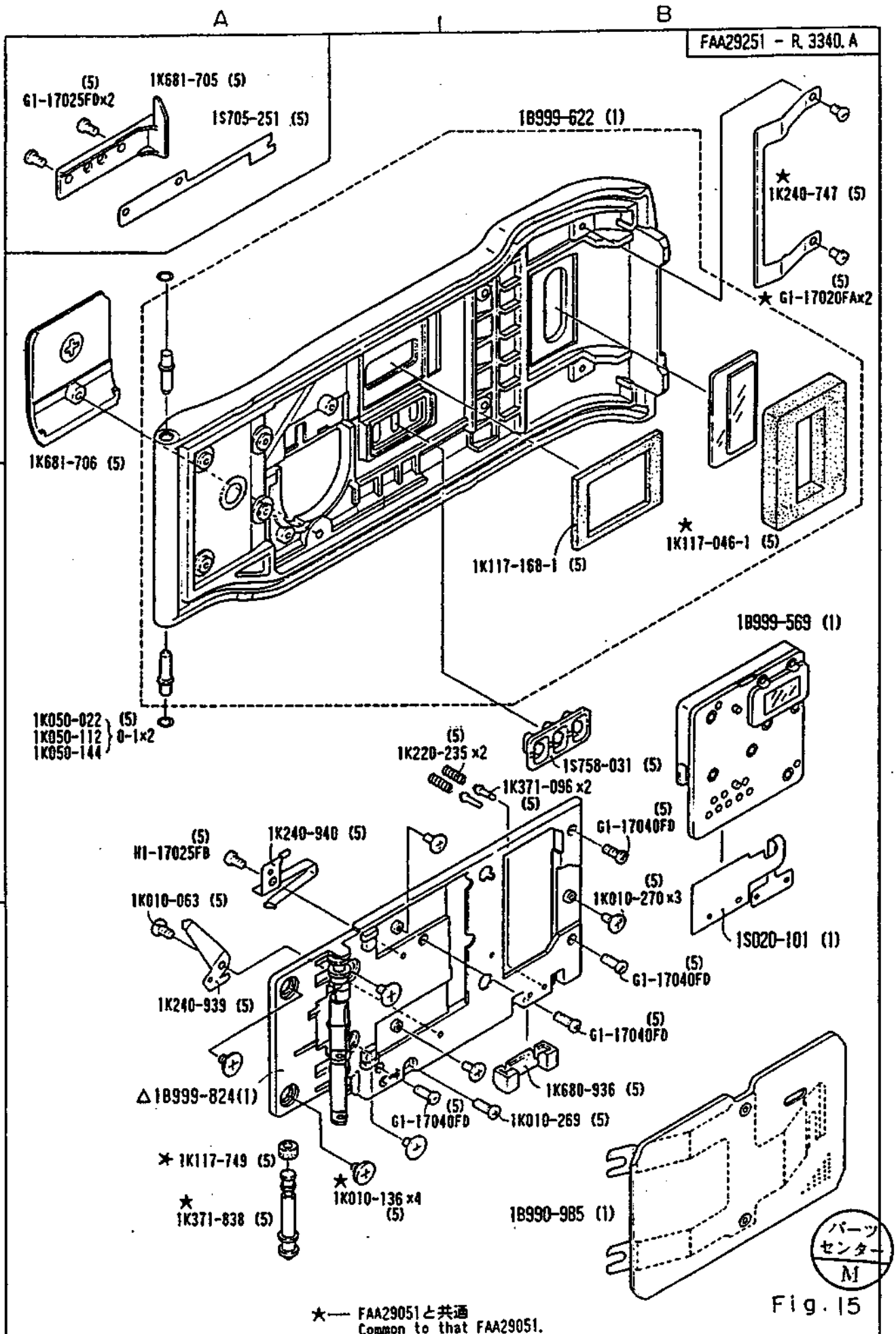

Fig. 15

★— FAA29051と共通
Common to that FAA29051.

部品表 Parts List

FAA29251-R. 3340. A

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
※1K010-063	533	Screw	1		15 A2	○		5
※1K010-136	502	Screw	4		15 A3	○	FAA29051	5
1K010-269	496	裏蓋止めビス Screw, Camera back	1		15 B3	○		5
1K010-270	513	Screw	3		15 B3	○		5
※1K050-022	244	Washer T=0.2	0-1		15 A1 A2	○		5
※1K050-112		Washer T=0.3				○		5
※1K050-144		Washer T=0.1				○		5
※1K117-046-1 (1K117-046)	404	パトローネ窓用スポンジ Sponge pad for patrone window	1	1B999-622	15 B2	○△	FAA29051	5
※1K117-168-1 (1K117-168)	422	DB表示窓 Sponge pad for DB display window	1	1B999-622	15 B2	○△		5
1K117-749	414	スプールローラーゴム Spool roller rubber	1		15 A3	○	FAA29051	5
※1K220-235	428	接点ピンバネ Contact spring	2		15 A2	○		5
1K230-408	410	スプールローラーバネ Spool roller spring	1		15 A3	○		5
※1K240-747	405	パトローネ押さえバネ Retaining spring for parrone	1		15 B1	○	FAA29051	5
1K240-939	423	−側電池接点 Battery contact (negative)	1		15 A3	○		5
1K240-940	424	+側電池接点 Battery contact (positive)	1		15 A2	○		5

部品表 Parts List

	部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
	1K360-064	409	スプールローラー軸 Spool roller shaft	1		15 A3	○		5
	*1K371-096	427	接点ピン Contact pin	2		15 B2	○		5
	*1K371-838	407	スプールローラー Spool roller	1		15 A3	○	FAA29051	5
	1K630-861	406	スプロケットローラー Sprocket roller	2		15 A3	○		5
	*1K680-936	429	接点ブロック Contact brock	1		15 B3	○		5
	1K681-703	408	スプールローラー 押さえ板 Spool roller retaining plate	1		15 A3	○		5
	1K681-705	122	パトローネ受け Film cartridge set mold	1		15 A1	○		5
	1K681-706	419	電池蓋 Battery lid	1		15 A1	○		5
△	1K681-707-1 (1K681-707)	420	中蓋 Inner cover	1		15 A3	○		5
	1S705-251	1012	接点 FPC DB contact FPC	1		15 A1	○		5
	*1S758-031	426	押し釦導電ゴム Push button rubber	1		15 B2	○		5
	1S811-700	7116	Wire (Brack)	1			×	W-0080BK	
△	1S811-769	7115	Wire (Red)	1			×	W-0080RE	

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部品表 Parts List

FAA29251-R. 3340. A

部品番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	部組品番号 Assembly	参照図番 Fig. No.	販売区分 Term of Delivery	備考 Remarks	要求単位 Q'ty per order
G1-17020FA	472	Screw	2		15 B1	○		5
G1-17040FD	475	Screw	4		15 A3 B2	○		5
H1-17025FB	534	Screw	1		15 A2	○		5

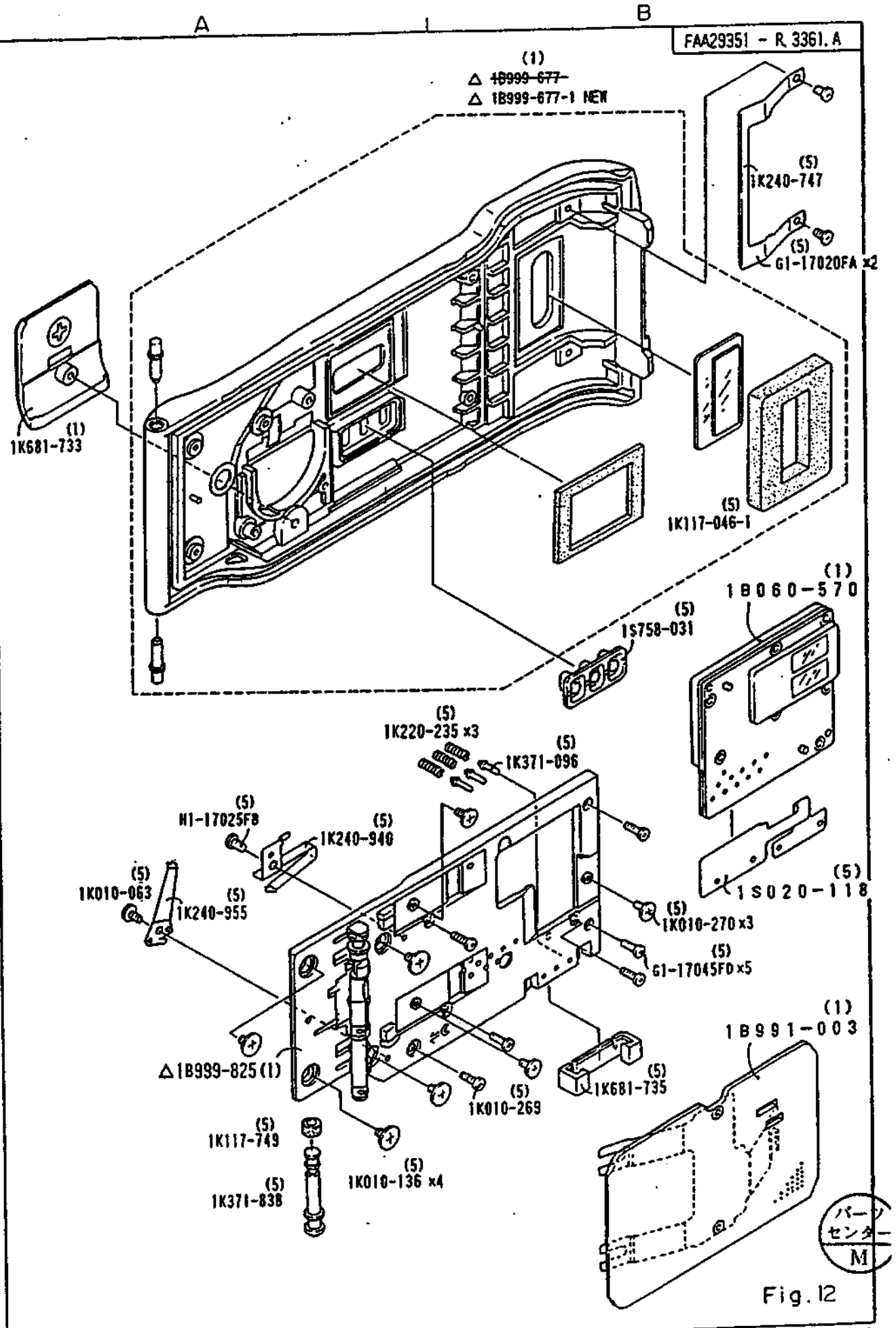
FAA29351 - R 3361. A
(1)
△ 1B999-677
△ 1B999-677-1 NEW
(5)
1K240-747
(5)
G1-17020FA x2
(1)
1K681-733
(5)
1K117-046-1
(1)
1B060-570
(5)
1S758-031
(5)
1K220-235 x3
(5)
1K371-096
(5)
H1-17025FB
(5)
1K240-940
(5)
1K010-063
(5)
1K240-955
(5)
1S020-118
(5)
1K010-270 x3
(5)
G1-17045FD x5
(1)
1B991-003
△1B999-825(1)
(5)
1K681-735
(5)
1K010-269
(5)
1K117-749
(5)
1K010-136 x4
(5)
1K371-838
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Fig. 12

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	部組番号 Part No.	補助番号 Ckt No.	名称 Name	1台分個数 Pcs. Per Unit	大部組品番号 Main assembly No.	参照図番 Fig. No.	備考 Remarks	要求単位 Q'ty per order
	*1B990-971	B375	モードSW Exposure mode SW	1	1B990-921	11 B2	P50	5
	*1B990-975	B2002	ペンタFPC Penta FPC	1		9 B1	P50	1
	*1B990-981	B2231	ミラー組 Mirror unit	1		5 B2	P50	1
	*1B990-982	B2251	絞り制御基板 Diaphragm control unit	1		6 A2	P50	1
	*1B990-983	B2382	レリーズSW組 Rerease SW unit	1		1 A1	P50	1
	*1B990-991	B306	レンズ着脱釦組 Lens release button unit	1		4 B1	P50	1
	1B990-994	B131	三脚基板 Tripod base plate	1		8 B2		1
	1B990-996	B394	パノラマSW基板 Panorama SW base plate	1		8 A2		1
	1B990-997	B2006	内LCD-FPC部組 Inner LCD-FPC unit	1		7 B1		1
	1B991-002	B2022	前板部組 Front cover unit	1		4.5 6.7		1
	1B991-003	B6412	圧板 Prasure plate	1		12 B3		1
	~~1B999-677~~ 1B999-677-1		DB裏蓋 Camera back DB	1		12 B1	RP-9667	1
△	1B999-825		中蓋組 Innar cover assembly	1		12 A3	RP-9609	1

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