■ TROUBLESHOOTING

12. JAM CODE

12.1 Jam code list

Classifica-	Jam code		Cause	Resulting	Correction
tion				operation	
Bypass Tray 1	J-1001 J-1002	During operation	The registration sensor (PS44) does not turn ON within a specified period of time after the pick-up solenoid/bypass (SD11) turns ON. While in the standby for the bypass feed, the registration sensor (PS44) does not turn OFF within a specified period of time. The pre-registration sensor /1 (PS48)	If there is a sheet of paper being printed when a jam occurs, the main body completes the paper exit before stopping operations.	Pull out the paper from the bypass tray and remove jammed paper if any. Pull out the tray and
iray i	J-1102		does not turn ON within a specified period of time after the paper feed clutch /1 (CL3) turns ON. The paper feed sensor /1 (PS47) does not turn ON within a specified period of time after the pre-registration clutch /1 (CL4) turns ON. The vertical conveyance sensor /1 (PS18) does not turn ON within a specified period of time after the pre-registration clutch /1 (CL4) turns ON. The pre-registration sensor /1 (PS48) does not turn OFF within a specified period of time after the pre-registration clutch /1 (CL4) turns ON. The pre-registration sensor /1 (PS48) does not turn OFF within a specified period of time after the pre-registration clutch /1 (CL4) turns ON. The vertical conveyance sensor /1 (PS18) does not turn ON within a speci-		remove jammed paper if any.
	J-1151 J-1152	When idling	fied period of time after the paper feed sensor /1 (PS47) turns ON. The vertical conveyance sensor /1 (PS18) turns ON while in idling. The paper feed sensor /1 (PS47) turns ON while in idling.		Open the main body vertical conveyance door and remove jammed paper if any.
	J-1153		The pre-registration sensor /1 (PS48) turns ON while in idling.		Pull out the tray and remove jammed paper if any.

Classifica-	Jam code	ļ	Cause	Resulting operation	Correction
tion Tray 2	J-1201	ng operation	The pre-registration sensor /2 (PS50) does not turn ON within a specified period of time after the paper feed clutch /2 (CL5) turns ON.	If there is a sheet of paper being printed	Open the main body vertical conveyance door and remove jammed paper if any.
	J-1202	During	The paper feed sensor /2 (PS49) does not turn ON within a specified period of time after the pre-registration clutch /2 (CL6) turns ON. The vertical conveyance sensor /2 (PS53) does not turn ON within a specified period of time after the pre-registration clutch /2 (CL6) turns ON. The pre-registration sensor /2 (PS50) does not turn OFF within a specified period of time after the pre-registration clutch /2 (CL6) turns ON. The vertical conveyance sensor /2 (PS53) does not turn ON within a specified period of time after the paper feed sensor /2 (PS49) turns ON.	when a jam occurs, the main body completes the paper exit before stopping operations.	Pull out the tray and remove jammed paper if any.
	J-1251	When idling	The vertical conveyance sensor /2 (PS53) turns ON while in idling.		Open the main body vertical conveyance door and remove jammed paper if any.
	J-1252 J-1253		The paper feed sensor /2 (PS49) turns ON while in idling. The pre-registration sensor /2 (PS50) turns ON while in idling.		Open the main body vertical conveyance door and remove jammed paper if any. Pull out the tray and remove jammed paper
Tray 3	J-1301 J-1302	During operation	The pre-registration sensor /3 (PS52) does not turn ON within a specified period of time after the paper feed clutch /3 (CL7) turns ON. The paper feed sensor /3 (PS51) does not turn ON within a specified period of time after the pre-registration clutch /3 (CL8) turns ON. The vertical conveyance sensor /3 (PS19) does not turn ON within a specified period of time after the pre-registration clutch /3 (CL8) turns ON.		if any. Open the main body vertical conveyance door and remove jammed paper if any. Pull out the tray and remove jammed paper if any.

Classifica-	Jam code		Cause	Resulting	Correction
tion				operation	
Tray 3	J-1302	During operation	The pre-registration sensor /3 (PS52) does not turn OFF within a specified period of time after the pre-registration clutch /3 (CL8) turns ON. The vertical conveyance sensor /3 (PS19) does not turn ON within a specified period of time after the paper feed sensor /3 (PS51) turns ON.	If there is a sheet of paper being printed when a jam occurs, the main body completes the paper exit before stopping	Open the main body vertical conveyance door and remove jammed paper if any. Pull out the tray and remove jammed paper if any.
	J-1351	When idling	The vertical conveyance sensor /3 (PS19) turns ON while in idling.	operations.	Open the main body vertical conveyance door and remove jammed paper if any.
	J-1352		The paper feed sensor /3 (PS51) turns ON while in idling.		Open the main body vertical conveyance
	J-1353		The pre-registration sensor /3 (PS52) turns ON while in idling.		door and remove jammed paper if any. Pull out the tray and remove jammed paper if any.
LU	J-1401	ing operation	The pre-registration sensor /1 (PS107) does not turn ON within a specified period of time after the Paper feed clutch (CL101) turns ON.		Open the LU upper cover and remove jammed paper if any. Open the LU jam door
	J-1402	Duri	LU exit sensor (PS106) does not turn ON within a specified period of time after the pre-registration clutch (CL102) turns ON.		and remove jammed paper if any.
	J-1451	idling	The LU exit sensor (PS106) turns ON while in idling.		
	J-1452	When	The pre-registration sensor (PS107) turns ON while in idling.		
Paper feed convey- ance (com- mon to each tray)	J-1701	During operation	Within a specified period of time after the loop sensor (PS54) or the ADU exit sensor (PS46) turns ON, the registration sensor (PS44) does not turn ON.		Open the front door to pull out the ADU stand, and then open the registration loop jam handling section and the open/close guide B to remove a jammed paper, if any.
Paper feed convey- ance (tray 1)	J-1702		The loop sensor (PS54) does not turn ON within a specified period of time after the paper feed sensor /1 (PS47) turns ON.		Open the main body vertical conveyance door and remove jammed paper if any.

Classifica-	Jam code		Cause	Resulting	Correction		
tion				operation			
Paper feed convey-ance (trays 2/3)	J-1703	ng operation	The loop sensor (PS54) does not turn ON within a specified period of time after the vertical conveyance sensor /2 (PS53) turns ON.	If there is a sheet of paper being printed when a jam	Open the main body vertical conveyance door and remove jammed paper if any.		
Paper feed convey- ance (tray 2) Paper feed convey- ance (tray 3)	J-1704	During	The vertical conveyance sensor /2 (PS53) does not turn ON within a specified period of time after the paper feed sensor /2 (PS49) turns ON. The vertical conveyance sensor /2 (PS53) does not turn ON within a specified period of time after the paper feed sensor /3 (PS51) turns ON.	occurs, the main body completes the paper exit before stopping operations.			
LU	J-1706		The loop sensor (PS54) does not turn ON within a specified period of time after the LU exit sensor (PS106) turns ON.		Open the LU jam door and remove jammed paper if any.		
Paper feed conveyance	J-1751	When idling	The paper leading edge sensor (PS45) turns ON while in idling.		Open the front door to pull out the ADU stand		
	J-1752	Wher	Wher	Wher	The registration sensor (PS44) turns ON while in idling.		and remove a jammed paper, if any.
	J-1753		The ADU exit sensor (PS46) turns ON while in idling.				
	J-1754		The loop sensor (PS54) turns ON while in idling.				
Vertical convey- ance door	J-1901	ing operation	While in the print, the vertical conveyance door is opened.		Open the main body vertical conveyance door and remove jammed paper if any.		
LU	J-1902	Dur	While in the print, the LU jam door is opened. Or while in the LU operation, the upper cover is opened.		Open the LU jam door or upper cover and remove jammed paper if any.		
Drum	J-2101		While in the print sequence, the JAM sensor board (JAMB) detects paper at a prescribed timing.		Open the front door to pull out the ADU stand and remove a jammed		
	J-2151	When idling	The JAM sensor board (JAMB) detects paper while in idling.		paper, if any.		

Classifica-	Jam code	l	Cause	Resulting	Correction
tion	2411 0000		24400	operation	33/130/10/11
2nd	J-3101	_	The paper leading edge sensor (PS45)	If there is a	Open the front door to
paper feed		operation	does not turn ON within a specified	sheet of paper	pull out the ADU stand
conveyance		pper	period of time after the registration sen-	being printed	and remove a jammed
		ng c	sor (PS44) turns ON.	when a jam	paper, if any.
	J-3102	During	The fusing exit sensor (PS2) does not	occurs, the main	
		_	turn ON within a specified period of	body completes	
			time after the paper leading edge sen-	the paper exit	
			sor (PS45) turns ON.	before stopping	
Fusing/	J-3201		The paper exit sensor (PS61) does not	operations.	
paper			turn ON within a specified period of		
exit			time after the fusing exit sensor (PS2)		
			turns ON.		
	J-3202		The reverse/exit sensor (PS57) does		
			not turn ON within a specified period of		
			time after the fusing exit sensor (PS2)		
			turns ON.		
	J-3203		The PS57 does not turn ON again		
			within a specified period of time after		
			the reverse/exit sensor (PS57) turns		
	1.0004		ON.		
	J-3204		The exit sensor (PS61) does not turn		
			ON within a specified period of time		
			after the reverse/exit sensor (PS57) turns ON again.		
	J-3205		The paper exit sensor (PS61) does not		
	0-0200		turn OFF within a specified period of		
			time after the PS61 turns ON.		
	J-3251	g	The paper exit sensor (PS61) turns ON		
	0 0201		while in idling.		
	J-3252	When id	The reverse/exit sensor (PS57) turns		
		×	ON while in idling.		
	J-3253		The fusing exit sensor (PS2) turns ON		
			while in idling.		
	J-3254		The reverse conveyance sensor (PS8)		
			turns ON while in idling.		
	J-3255		The fusing jam sensor (PS3) turns ON		
			while in idling.		
Front	J-5101	uc	While in the print, the right front door or	The main body	
door		ratic	the left front door is opened.	stop immedi-	
		obe		ately.	
		During operation			
		Dur			
	·		1	1	1

Classifica-	lom oodo		Coupo	Resulting	Correction
tion	Darri Code		Cause	operation	Correction
	1.0001		TI ADII (1 (DOCO) -1	-	O
ADU	J-9201	During operation	The ADU reverse sensor /1 (PS58) does	If there is a	Open the front door to
		era	not turn ON within a specified period of	sheet of paper	pull out the ADU stand
		do f	time after the reverse/exit sensor (PS57)	being printed	and remove a jammed
		lring	turns ON.	when a jam	paper, if any.
		2		occurs, the main	
	J-9202		The PS58 does not turn ON again	body completes the paper exit	
			within a specified period of time after	before stopping	
			the ADU reverse sensor /1 (PS58) turns	operations.	
			ON.	operations.	
	J-9251	ρl	The ADU reverse sensor /1 (PS58)		
		When idling	turns ON while in idling.		
		neu			
		Š			
	J-9301	on	The ADU deceleration sensor (PS59)		
		operation	does not turn ON within a specified		
			period of time after the ADU reverse		
		During	sensor /1 (PS58) turns ON again.		
		Dur			
	J-9351	D	The ADU deceleration sensor (PS59)		
		idling	turns ON while in idling.		
	J-9352	len	The ADU conveyance sensor (PS9)		
		M	turns ON while in idling.		
	J-9353		The ADU reverse sensor /2 (PS13)		
			turns ON while in idling.		
	J-9401	L	The ADU pre-registration sensor (PS60)		Open the right front
		operation	does not turn ON within a specified		door to pull out the
		bei	period of time after the ADU decelera-		ADU stand, and
		ng c	tion sensor (PS59) turns ON.		remove a jammed
	J-9402	During	The ADU exit sensor (PS46) does not		paper, if any.
		_	turn ON within a specified period of		
			time after the ADU pre-registration sen-		
			sor (PS60) turns ON again.		
	J-9451	БL	The ADU pre-registration sensor (PS60)		
		idlir	turns ON while in idling.		
		When idling			
		\geq			

Classifica-	lam codo		Causa	Resulting	Correction
tion	Dam code		Cause	_	Correction
	1.01.01	_	The DADE energles (DOCCA)	operation	Open the entry (-1
DF	J-6101	operation	The RADF open/close sensor (PS301) turns OFF while in DF operation.	The DF stops immediately.	Open the open/close cover and remove
	1.04.00	era	•	If there is paper	jammed paper if any.
	J-6102		The cover open/close switch (MS301)	being trans-	јаннес рареннану.
		During	turns OFF while in DF operation.	ferred or having	
		△		been trans-	
	J-6201		The original registration sensor (PS306)	ferred, the main	
			does not turn OFF within a specified	body completes	
			period of time after the pre-feed start.	the paper exit	
				before stopping	
				operations.	
	J-6202	-	The original conveyance sensor	,	Open the open/close
			(PS308) does not turn ON within a		cover and remove
			specified period of time after the pre-		jammed paper if any.
			feed start of the front side of the double		
			sided original (including the single sided		
			original).		
	J-6203		The original conveyance sensor		
			(PS308) does not turn ON within a		
			specified period of time after the pre-		
			feed start of the back side of the double		
			sided original.		
	J-6204		While in the forward rotation of the orig-		
			inal conveyance motor (M301), the orig-		
			inal conveyance sensor (PS308) does		
			not turn OFF within a specified period of		
			time after it turns ON.		
	J-6205		While in the reverse rotation of the origi-		
			nal conveyance motor (M301), the origi-		
			nal conveyance sensor (PS308) does		
			not turn OFF within a specified period of		
			time after it turns ON.		
	J-6206		When entering a large size double sided		
			original in the reverse section, the origi-		
			nal reverse sensor (PS309) does not		
			turn ON within a specified period of		
			time after the original conveyance sen-		
	1.0007		sor (PS308) turns ON.		
	J-6207		When exiting a large size single sided		
			original, the original exit sensor /Lt		
			(PS307) does not turn ON within a		
			specified period of time after the original conveyance sensor (PS308) turns ON.		
			Conveyance Senson (F SOOO) turns ON.		

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Classifica-	Jam code		Cause	Resulting	Correction
tion				operation	
DF	J-6208	During operation	When exiting a large size double sided original, the original exit sensor /Lt (PS307) does not turn ON within a specified period of time after the original reverse sensor (PS309) turns ON.	The DF stops immediately. If there is paper being transferred or having	Open the open/close cover and remove jammed paper if any.
	J-6209		When exiting a large size single sided original, the original exit sensor /Lt (PS307) does not turn OFF within a specified period of time after it turns ON.	been trans- ferred, the main body completes the paper exit before stopping operations.	
	J-6210		When exiting a large size double sided original, the original exit sensor /Lt (PS307) does not turn OFF within a specified period of time after it turns ON.		
	J-6301		When outputting a large size double sided original from the reverse section, the original reverse sensor (PS309) does not turn ON.		
	J-6302		When entering a large size double sided original into the reverse section, the original reverse sensor (PS309) does not turn OFF within a specified period of time after it turns ON.		
	J-6303		When outputting a large size double sided original from the reverse section, the original reverse sensor (PS309) does not turn OFF within a specified period of time after it turns ON.		
	J-6304		When exiting a small size single sided original, the original exit sensor /Rt (PS314) does not turn ON within a specified period of time after the original reverse sensor (PS309) turns ON.		
	J-6305		When exiting a small size double sided original, the original exit sensor /Rt (PS314) does not turn ON within a specified period of time after the original reverse/exit sensor (PS313) turns ON.		
	J-6306		When exiting a small size single sided original, the original exit sensor /Rt (PS314) does not turn OFF within a specified period of time after it turns ON.		

Classifica-	Jam code		Cause	Resulting operation	Correction	
DF	J-6307	During operation	When exiting a small size double sided original, the original exit sensor /Rt (PS314) does not turn OFF within a specified period of time after it turns ON.	The DF stops immediately. If there is paper being transferred or having	Open the open/close cover and remove jammed paper if any.	
	J-6308			When entering a small size double sided original into the reverse section, the original reverse sensor (PS309) does not turn ON within a specified period of time after original conveyance sensor (PS308) turns ON.	been trans- ferred, the main body completes the paper exit before stopping operations.	
	J-6309		When outputting a small size double sided original from the reverse section, the original reverse sensor (PS309) does not turn ON.			
	J-6310		When entering a small size double sided original into the reverse section, the original reverse sensor (PS309) does not turn OFF within a specified period of time after it turns ON.			
	J-6311		When outputting a small size double sided original from the reverse section, the original reverse sensor (PS309) does not turn OFF within a specified period of time after it turns ON.			
	J-6501 J-6502	hen idling	The original registration sensor (PS306) turns ON while in idling. The original conveyance sensor			
	J-6504	Whe	(PS308) turns ON while in idling. The original reverse sensor (PS309) turns ON while in idling.			
	J-6508		The original exit sensor /Lt (PS307) turns ON while in idling.			
	J-6510 J-6520		The original reverse/exit sensor (PS313) turns ON while in idling. The original exit sensor /Rt (PS314)			
	J-6540		turns ON while in idling. The reverse jam sensor (PS304) turns ON while in idling.			
FS	J-7101	operation	The front cover or the paper exit cover is opened while in printing.	The FS/main body stop immediately.	Remove jammed paper if any from the FS/main body.	
TU	J-7102	During	While in the print, the front door is opened. Or while in the trimmer operation, the stacker door is opened.			

С	classifica- tion	Jam code	,	Cause	Resulting operation	Correction																
Z	ZU	J-7103	During operation	The front door is opened while in printing.	The FS/main body stop immediately.	Remove jammed pape if any from the FS/mair body.																
î C	GP	J-7109	During	The GP front door open jam. The door switch turns OFF while in the print.	The GP and the main body stop immediately.	Remove jammed pape if any from the GP/mail body.																
F	-S	J-7216		The FS entrance sensor (PS4) does not turn ON within a specified period of time after the paper exit sensor (PS61) turns ON.	The FS/main body stop immediately.	Remove jammed pape if any from the FS/main body.																
		J-7217		The main tray paper exit sensor (PS6) does not turn ON within a specified period of time after the FS entrance sensor (PS4) turns ON.																		
	J-7218	J-7218		The stacker entrance sensor (PS5) does not turn ON within a specified period of time after the FS entrance sensor (PS4) turns ON. (while in stapling)																		
		J-7219		The stacker entrance sensor (PS5) does not turn OFF within a specified period of time after the PS5 turns ON.																		
		J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220	J-7220		The main tray paper exit sensor (PS6) does not turn ON within a specified period of time after the start of exiting paper (while in stapling).		
		J-7221		After start of the paper exit operation, the main tray paper exit sensor (PS6) does not turn OFF within a specified period of time. (While in the staple)																		
		J-7222		The sub tray paper exit sensor (PS1) does not turn ON within a specified period of time after the FS entrance sensor (PS4) turns ON (while in exiting paper in the sub tray).																		
		J-7223			The sub tray paper exit sensor (PS1) does not turn OFF within a specified period of time after it turns ON (while in exiting paper in the sub tray).	-																
		J-7224		The folding passage sensor (PS26) does not turn ON after stapling is completed. (FS-611 only)																		
		J-7225		The folding paper exit sensor (PS25) does not turn ON within a specified period of time after completion of the folding operation. (FS-611 only)																		

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Classifica- tion	Jam code		Cause	Resulting operation	Correction
FS	J-7226	During operation	The folding paper exit sensor (PS25) does not turn OFF within a specified period of time after it turns ON. (FS-611 only)	The FS/main body stop immediately.	Remove jammed paper if any from the FS/main body.
	J-7228	Dur	The stacker entrance sensor (PS5) does not turn OFF within a specified period of time after it turns ON. (FS-611 only)		
	J-7229		The main tray paper exit sensor (PS6) does not turn OFF within a specified period of time after it turns ON. (shift mode)		
	J-7230		The main tray paper exit sensor (PS6) does not turn OFF within a specified period of time after it turns ON. (Staple mode)		
TU	J-7232		The entrance sensor (PS101) does not turn ON within a specified period of time after the folding paper exit sensor (PS25) turns ON.		
	J-7233		The conveyance sensor (PS102) does not turn ON within a specified period of time after the entrance sensor (PS101) turns ON.		
	J-7234		Paper does not pass through the paper exit sensor (PS108) within a specified period of time after the conveyance motor (M101) turns ON.		
PI	J-7235		The paper entrance sensor /Lw (PS206) does not turn ON within a specified period of time after the conveyance clutch /Lw (CL202) turns ON.		
ZU	J-7238		The leading, trailing, and side edge sensors on the paper edge sensor board (PESB) do not turn ON within a specified period of time after the paper exit sensor (PS61) turns ON.	The ZU/main body stop immediately.	Remove jammed paper if any from the ZU/main body.
	J-7239		The leading, trailing, and side edge sensors on the paper edge sensor board (PESB) do not turn OFF within a specified period of time after they turn ON.		
	J-7240		The passage sensor (PS1) does not turn ON within a specified period of time after the leading, trailing, and side edge sensors on the paper edge sensor board (PESB) turn ON.		

Classifica-	Jam code		Cause	Resulting	Correction
tion				operation	
ZU	J-7241	During operation	The passage sensor (PS1) does not turn OFF within a specified period of time after it turns ON. While in the Z-folding mode of the ZU, the PS1 does not turn OFF within a specified period of time after it turns ON while in the second folding operation. While in the exit of the second folding, the passage sensor (PS1) does not turn	The ZU/main body stop immediately.	Remove jammed paper if any from the ZU/main body.
			OFF within a specified period of time after it turns ON.		
PK	J-7243		The punch home sensor (PS801) does not turn ON within a specified period of time after the punch motor (M801) turns ON. Or, the paper size sensor (PS805) does not turn ON within a specified period of time after the punch shift motor (M802) turns ON.	The FS/main body stop immediately.	Remove jammed paper if any from the FS/main body.
ZU	J-7244		The exit sensor (PS9) does not turn ON within a specified period of time after the leading, trailing, and side edge sensors on the paper edge sensor board (PESB) turn ON.	The ZU/main body stop immediately.	Remove jammed paper if any from the ZU/main body.
	J-7245		The exit sensor (PS9) does not turn ON within a specified period of time after the paper exit sensor (PS61) turns ON.		
	J-7246		The exit sensor (PS9) does not turn OFF within a specified period of time after it turns ON.		
	J-7247		Paper remains in ZU within a specified period of time after the main body sent ZU a stop signal.		
FS	J-7248		The folding passage sensor (PS26) does not turn OFF within a specified period of time after it turns ON. (while in folding mode) (FS-611 only)	The FS/main body stop immediately.	Remove jammed paper if any from the FS/main body.
PI	J-7249		The paper entrance sensor /Up (PS201) does not turn ON within a specified period of time after the conveyance clutch /Up (CL201) turns ON.	The PI/main body stop immediately.	Remove jammed paper if any from the Pl/main body.
	J-7250		The FS entrance sensor (PS4) does not turn ON within a specified period of time after the paper entrance sensor / Up (PS201) turns ON.		

Classifica-	lam codo	1	Cause	Resulting	Correction
tion	Dam Code	;	Gause	operation	Correction
PI	J-7251	_	The FC entrance senser (DC4) does not	The Pl/main	Damaya jammad nanar
PI	J-7231	operation	The FS entrance sensor (PS4) does not		Remove jammed paper if any from the PI/main
		era	turn ON within a specified period of	body stop	,
		g op	time after the paper entrance sensor /	immediately.	body.
		During	Lw (PS206) turns ON.		
ZU	J-7260	△	After the leading edge/trailing edge/side	The ZU/main	Remove jammed paper
			edge sensor in the paper edge sensor	body stop	if any from the ZU/main
			board (PESB) turns OFF, the corre-	immediately.	body.
			sponding side edge sensor in the PESB		
			does not turn ON within a specified		
			period of time.		
			The punch home sensor (PS6) does not		
			turn ON within a specified period of		
			time after the punch clutch (CL1) turns		
			ON.		
	J-7261		The passage sensor (PS1) does not		
			turn ON within a specified period of		
			time after the leading, trailing, and side		
			edge sensors on the paper edge sen-		
			sor board (PESB) turn ON.		
	J-7262		The exit sensor (PS9) does not turn ON		
			within a specified period of time after		
			the passage sensor (PS1) turns ON.		
	J-7263		The conveyance motor (M6) lost syn-		
			chronism.		
FS	J-7281		The stapler home sensor /Fr (PS31)	The FS/main	Remove jammed paper
			does not turn ON within a specified	body stop	if any from the FS/main
			period of time after the stapler motor /Fr	immediately.	body.
			(M14) turns ON. (FS-528)		
			The clincher home sensor /Fr (PS33)		
			and stapler home sensor /Fr (PS31) do		
			not turn ON within a specified period of		
			time after the clincher motor /Fr (M15)		
			and stapler motor /Fr (M14) turn ON.		
			(FS-611)		
	J-7282		The stapler home sensor /Rr (PS30)		
			does not turn ON within a specified		
			period of time after the stapler motor /		
			Rr (M9) turns ON. (FS-528)		
			The clincher home sensor /Rr (PS32)		
			and stapler home sensor /Rr (PS30) do		
			not turn ON within a specified period of		
			time after the clincher motor /Rr (M10)		
			and stapler motor /Rr (M9) turn ON.		
			(FS-611)		
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Classifica-	lom oodo		Causa	Resulting	Correction
tion	Dam code		Cause	operation	Correction
FS	J-7283	operation	The stapler home sensors /Rr (PS30) and /Fr (PS31) do not turn ON within a	The FS/main body stop	Remove jammed paper if any from the FS/main
		During oper	specified period of time after the stapler motors /Rr (M9) and /Fr (M14) turn ON. (FS-528)	immediately.	body.
			The clincher home sensor /Rr (PS32), /Fr (PS33), stapler home sensor /Rr (PS30) and /Fr (PS31) do not turn ON within a specified period of time after the clincher motor /Rr (M10), /Fr (M15), stapler motor /Rr (M9) and /Fr (M14) turn ON. (FS-611)		
	J-7299		The FS does not stop within a specified period of time after the main body sends it a stop signal.		
	J-7301	When idling	The main tray exit sensor (PS6) turns ON while in idling.	_	Remove jammed paper if any from the FS/main
	J-7302	Wher	The stacker entrance sensor (PS5) turns ON while in idling.		body.
	J-7305		The FS entrance sensor (PS4) turns ON while in idling.		
	J-7307		The sub tray paper exit sensor (PS1) turns ON while in idling.		
	J-7308		The stacker empty sensor (PS20) turns ON while in an exit jam.		
	J-7309		The folding passage sensor (PS26) turns ON while in idling. (FS-611 only)		
	J-7310		The folding paper exit sensor (PS25) turns ON while in idling. (FS-611 only)		
TU	J-7311		The entrance sensor (PS101) turns ON while in idling.		
	J-7312		The conveyance sensor (PS102) turns ON while in idling.		
	J-7313		The exit sensor (PS108) turns ON while in idling.		
PI	J-7314		The paper entrance sensor /Lw (PS206) turns ON while in idling.		
ZU	J-7315		One of the following sensors turns ON while in idling. • Leading or trailing edge PS on the paper edge sensor board (PESB) • Passage sensor (PS1) • Exit sensor (PS9)		Remove jammed paper if any from the ZU/main body.
PI	J-7317		The paper entrance sensor /Up (PS201) turns ON while in idling.		Remove jammed paper if any from the PI/main body.

Classifica	-Jam code	9	Cause	Resulting	Correction
tion				operation	
GP	J-7390 J-7391	When idling	The enter sensor (S1) turns ON while in idling. The stepper 1 speed sensor (S2) turns	-	Open the GP front door, the bypass pactover, and remove to jammed paper, if an Open the GP front
	0.7031		ON while in idling.		door, the entrance aligner panel, and remove the jammed paper, if any.
	J-7392		The bypass sensor (S8) turns ON while in idling.		Open the GP front door, the bypass pa
	J-7393		The exit sensor (S7) turns ON while in idling.		cover, and remove t
	J-7394		The punch flag sensor (S9) turns ON while in idling.		Open the GP front door, the entrance aligner panel, the botom U-channel, and remove the jammed paper, if any.
	J-7395		The u-channel sensor (S4) turns ON while in idling.		Open the GP front door, the bottom U-
	J-7396		The backstop sensor (S5) turns ON while in idling.		channel, and remove the jammed paper, in any.
	J-7397		The stepper 2 speed sensor (S6) turns ON while in idling.		Open the GP front door, the exit aligned panel, and remove t jammed paper, if an
	J-7590	During operation	The enter sensor (S1) does not turn OFF within a specified period of time after it turns ON.	The GP/main body stop immediately.	Remove jammed pa if any from the GP/m body.
	J-7591	During	The stepper 1 speed sensor (S2) does not turn OFF within a specified period of time after it turns ON.		
	J-7592		The bypass sensor (S8) does not turn OFF within a specified period of time after it turns ON.		
	J-7593		The exit sensor (S7) does not turn OFF within a specified period of time after it turns ON.		
	J-7594		The punch flag sensor (S9) does not turn OFF within a specified period of time after it turns ON.		
	J-7595		The u-channel sensor (S4) does not turn OFF within a specified period of time after it turns ON.		

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Classifica-	Jam code		Cause	Resulting	Correction
tion				operation	
GP	J-7596	L	The backstop sensor (S5) does not turn	The GP/main	Remove jammed paper
		ation	OFF within a specified period of time	body stop	if any from the GP/main
		pper	after it turns ON.	immediately.	body.
	J-7597	o Gu	The stepper 2 speed sensor (S6) does		
		Juring	not turn OFF within a specified period of		
			time after it turns ON.		

13. MALFUNCTION CODE

13.1 Malfunction code list

A. Trouble reset method

Turn OFF/ON the sub power switch (SW2) of the main body when releasing an abnormal condition.

B. Code list

NOTE

- For codes with "*" given in the error code column, a message "Turn off the power and turn it on again" is displayed on the operation board.
- For codes with "#" given in the error code column, no error code is displayed. However, these code are left as a record for data collection, list output and CSRC.
- For codes with no "*" or "#" given in the error code column, a message "Contact the service" is displayed.
- "Confirmation of the wiring harness and the connector" on the estimated abnormal parts list
 means checking the floating connector and the broken wiring harness on the board and between
 the parts on the same list.

Cla	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	0000	Gudeoo	operation	
<u>\</u>	Com-	C-0001*	I/O initial communication check in	The main body	Printer control board (PRCB)
Main body	muni-		the printer control board (PRCB).	stops immedi-	
ain	cation		Main body drive serial input	ately to turn OFF	
Σ	abnor-		abnormality 1. Within a specified	the main relay	
	mality		period of time after the power ON	(RL1).	
			ACK, a serial data is not received		
			from the main body drive unit.		
		C-0002*	Main body drive serial input		
			abnormality 2. Within a specified		
			period of time after the power ON		
			ACK, a serial data is not received		
			from the main body drive unit.		
		C-0003*	Main body drive serial input		
			abnormality 3. Within a specified		
			period of time after the power ON		
			ACK, a serial data is not received		
			from the main body drive unit.		
		C-0004*	Main body drive serial input		
			abnormality 4. Within a specified		
			period of time after the power ON		
			ACK, a serial data is not received		
			from the main body drive unit.		
		C-0005*	Main body drive serial input		
			abnormality 5. Within a specified		
			period of time after the power ON		
			ACK, a serial data is not received		
			from the main body drive board.		

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(PRCB)
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nector
DUDB)
(PRCB)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oodo	Cadoco	operation	Lotimated abnormal parts
Main body	Drive	C-0101	An abnormal speed signal of the paper feed motor (M4) is checked. An error detection signal is detected twice in succession a specified period of time after M4 was turned ON (the first signal is ignored).	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Paper feed motor (M4) Printer control board (PRCB)
ПП		C-0102	An abnormal speed signal of the paper feed motor (M101) is checked. An error detection signal is detected twice in succession a specified period of time after M101 was turned ON (the first signal is ignored).		Confirmation of the wiring harness and the connector Paper feed motor (M101) Printer control board (PRCB)
Main body	Power abnor- mality	C-0104	The 24V power source for SD/CL in the printer control board (PRCB) is checked. At the start, an error detection signal (blowout of ICP for the solenoid/clutch) is detected, and an error detection signal (24V cut off) is also detected.		Confirmation of the wiring harness and the connector Wiring harness earth fault Printer control board (PRCB) DC power supply /2 (DCPS2)
		C-0105	The blowout of ICP for the SD/CL in the printer control board (PRCB) is checked. At the start, an error detection signal (blowout of ICP for the solenoid/clutch) is detected. However, an error detection signal (24V cut off) is not detected.		Loose connection (on PRCB) Solenoid (SD5 to SD10, SD4, SD11) Clutch (CL3 to CL8, CL9, CL10) Wiring harness earth fault Printer control board (PRCB)
	Tray 1	C-0210	The locking of the paper lift motor /1 (M19) is detected. An error detection signal of M19 is detected while M19 is ON.		Tray 1 paper improperly loaded Tray 1 rear end restriction plate misaligned Confirmation of the wiring harness and the connector Paper lift motor /1 (M19) Upper limit sensor /1 (PS20) Printer control board (PRCB) DC power supply /2 (DCPS2)

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Tray 1	C-0211# C-0212# C-0213#	When the upper limit sensor /1 (PS20) is OFF, PS20 does not turn ON within a specified period of time after the paper lift motor / 1 (M19) turns ON for lifting operation. And at this time, an error detection signal (24V cut off) is detected. When the upper limit sensor /1 (PS20) is OFF, PS20 does not turn ON within a specified period of time after the paper lift motor / 1 (M19) turns ON for lifting operation. At this time, an error detection signal (blowout of ICP) is detected. When the upper limit sensor /1 (PS20) is OFF, PS20 does not turn ON within a specified period of time after the paper lift motor / 1 (M19) turns ON for lifting operation. And at this time, an error detection. And at this time, an error detection signal is not detected.	Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC. Since the lifting operation of the tray is not completed, "Set paper in the tray 1" is displayed on the operation panel.	Tray 1 paper improperly loaded Tray 1 rear end restriction plate misaligned Confirmation of the wiring harness and the connector Paper lift motor /1 (M19) Upper limit sensor /1 (PS20) Printer control board (PRCB) DC power supply /2 (DCPS2)
	Tray 2	C-0220	The locking of the paper lift motor /2 (M20) is detected. When M20 is ON, an error detection signal of the M20 is detected.	The main body stops immediately to turn OFF the main relay (RL1).	Tray 2 paper improperly loaded Tray 2 rear end restriction plate misaligned Confirmation of the wiring harness and the connector Paper lift motor /2 (M20) Upper limit sensor /1 (PS21) Printer control board (PRCB) DC power supply /2 (DCPS2)

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Tray 2	C-0221#	C-0221# When the upper limit sensor /2 (PS21) is OFF, PS21 does not turn ON within a specified period of time after the paper lift motor / 2 (M20) turns ON for lifting opera- tion. And at this time, an error detection signal (24V cut off) is detected.	Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC. Since	Tray 2 paper improperly loaded Tray 2 rear end restriction plate misaligned Confirmation of the wiring harness and the connector Paper lift motor /2 (M20) Upper limit sensor /1 (PS21)
		C-0222#	When the upper limit sensor /2 (PS21) is OFF, PS21 does not turn ON within a specified period of time after the paper lift motor / 2 (M20) turns ON for lifting operation. And at this time, an error detection signal (blowout of ICP) is detected. When the upper limit sensor /2 (PS21) is OFF, PS21 does not turn ON within a specified period of time after the paper lift motor / 2 (M20) turns ON for lifting opera-	the lifting operation of the tray is not completed, "Set paper in the tray 2" is displayed on the operation panel.	Printer control board (PRCB) DC power supply /2 (DCPS2)
			tion. And at this time, an error detection signal is not detected.		
	Tray 3	C-0230	The locking of the paper lift motor /3 (M21) is detected. When M21 is ON, an error detection signal of the M21 is detected.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Tray 3 paper improperly loaded Tray 3 rear end restriction plate misaligned Confirmation of the wiring harness and the connector Paper lift motor /3 (M21) Upper limit sensor /1 (PS22) Printer control board (PRCB) DC power supply /2 (DCPS2)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts		
	tion			operation			
ð	Tray 3	C-0231#	When the upper limit sensor /3	Error code is not	Tray 3 paper improperly		
Main body			(PS22) is OFF, PS22 does not	displayed on the	loaded		
/air			turn ON within a specified period	operation panel,	Tray 3 rear end restriction		
2			of time after the paper lift motor /	but displayed	plate misaligned		
			3 (M21) turns ON for lifting opera-	only on the data	Confirmation of the wiring		
			tion. And at this time, an error	collection, the	harness and the connector		
			detection signal (24V cut off) is	list output and	Paper lift motor /3 (M21)		
			detected.	CSRC. Since	Upper limit sensor /1 (PS22)		
		C-0232#	When the upper limit sensor /3	the lifting opera-	Printer control board (PRCB)		
			(PS22) is OFF, PS22 does not	tion of the tray is	DC power supply /2		
			turn ON within a specified period	not completed,	(DCPS2)		
			of time after the paper lift motor /	"Set paper in the			
			3 (M21) turns ON for lifting opera-	tray 3" is dis-			
			tion. And at this time, an error	played on the			
			detection signal (blowout of ICP)	operation panel.			
			is detected.				
		C-0233#	When the upper limit sensor /3				
			(PS22) is OFF, PS22 does not				
			turn ON within a specified period				
			of time after the paper lift motor /				
			3 (M21) turns ON for lifting opera-				
			tion. And at this time, an error				
			detection signal is not detected.				
	LU	C-0240	The locking of the paper lift motor	The main body	Confirmation of the wiring		
		0 02 10	(M100) is detected.	stops immedi-	harness and the connector		
			When the paper lift motor (M100)	ately to turn OFF	Paper lift motor (M100)		
			is ON, an error detection signal of	the main relay	Lower limit sensor (PS101)		
			M100 is detected in succession	(RL1).	Upper limit sensor (PS109)		
			for 1 second.	(· · /·	LU drive board (LUDB)		
					DC power supply /2		
					(DCPS2)		

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Π	LU	C-0241#	When the upper limit sensor (PS109) or the lower limit sensor (PS101) is OFF, PS109 or PS101 does not turn ON within a specified period of time after the paper lift motor (M100) turns ON for its lifting or lowering operation. And at this time, an error detection signal (24V cut off) is detected.	Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC. Since the lifting opera-	Confirmation of the wiring harness and the connector Paper lift motor (M100) Lower limit sensor (PS101) Upper limit sensor (PS109) LU drive board (LUDB) DC power supply /2 (DCPS2)
		C-0242#	When the upper limit sensor (PS109) or the lower limit sensor (PS101) is OFF, PS109 or PS101 does not turn ON within a specified period of time after the paper lift motor (M100) turns ON for its lifting or lowering operation. At this time, an error detection signal is detected.	tion of the tray is not completed, "Set paper in the tray 4" is dis- played on the operation panel.	Confirmation of the wiring harness and the connector Paper lift motor (M100) Lower limit sensor (PS101) Upper limit sensor (PS109) LU drive board (LUDB) DC power supply /2 (DCPS2)
		C-0243#	When the upper limit sensor (PS109) or the lower limit sensor (PS101) is OFF, PS109 or PS101 does not turn ON within a specified period of time after the paper lift motor (M100) turns ON for its lifting or lowering operation. And at this time, an error detection signal is not detected.		
Main body	Bypass	C-0251#	When the upper limit sensor / bypass (PS23) or the lower limit sensor /bypass (PS43) is OFF, PS23 or PS43 does not turn ON within a specified period of time after the bypass tray lift motor (M22) turns ON for its lifting or lowering operation. And at this time, an error detection signal (24V cut off) is detected.	"Press START to restart" is displayed on the operation panel. An error code is displayed (J-1001 jam count) only for data collection, list output and CSRC.	Confirmation of the wiring harness and the connector Bypass tray lift motor (M22) Upper limit sensor /Bypass (PS23) Lower limit sensor /Bypass (PS43) Printer control board (PRCB) DC power supply /2 (DCPS2)

С	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	'
Main body	Bypass	C-0253#	When the upper limit sensor / bypass (PS23) or the lower limit sensor /bypass (PS43) is OFF, PS23 or PS43 does not turn ON within a specified period of time after the bypass tray lift motor (M22) turns ON for its lifting or lowering operation. And at this time, an error detection signal (blowout of ICP) is detected.	"Press START to restart" is displayed on the operation panel. An error code is displayed (J-1001 jam count) only for data collection, list output and CSRC.	Confirmation of the wiring harness and the connector Bypass tray lift motor (M22) Upper limit sensor /Bypass (PS23) Lower limit sensor /Bypass (PS43) Printer control board (PRCB) DC power supply /2 (DCPS2) Confirmation of the wiring harness and the connector Conveyance suction fan (FM2) AC drive board (ACDB) DC power supply /2 (DCPS2)
			When the upper limit sensor / bypass (PS23) or the lower limit sensor /bypass (PS43) is OFF, PS23 or PS43 does not turn ON within a specified period of time after the bypass tray lift motor (M22) turns ON for its lifting or lowering operation. And at this time, an error detection signal is not detected.		
	Fan abnor- mality	or- y the cher sign fied turn tion peri turn and	The rotation of the conveyance suction fan (FM2) is checked, and the 24V power source is also checked. An abnormal FM2 EM signal condition occurs a specified period of time after FM2 is turned ON. This abnormal condition recurs even a specified period of time after FM12 is turned OFF and then turned ON, and an error detection signal (24V cut off) is detected.	The main body stops immedi- ately to turn OFF the main relay (RL1).	
		C-0302	The blowout of ICP for the conveyance suction fan (FM2) in the AC drive board (ACDB) is checked. An abnormal condition occurs with the FM2 EM signal a specified period of time after FM2 is turned ON. This abnormal condition recurs even a specified period of time after FM2 is turned OFF and then turned ON, and an error detection signal (blowout of ICP) is detected.		

	Cla	assifica-	Code	Causes	Resulting operation	Estimated abnormal parts
	Main body	Fan abnor- mality	C-0303	The rotation of the conveyance suction fan (FM2) is checked. An abnormal condition occurs with the FM2 EM signal a specified period of time after FM2 is turned ON. This abnormal condition recurs even a specified period of time after FM2 is turned OFF and then turned ON, and an error detection signal (24V cut off/	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Conveyance suction fan (FM2) AC drive board (ACDB) DC power supply /2 (DCPS2)
			C-0304	blowout of ICP) is not detected. Rotation of paper exit cooling fan /Lw1 (FM13), /Lw2 (FM14) is checked. An abnormal condition occurs with the FM13, FM14 EM signal a specified period of time after FM 13, FM14 is turned ON. This abnormal condition is detected even a specified period of time after FM13, FM14 is turned OFF and then turned ON.	If there is a sheet of paper being printed, the main body completes the paper exit before stopping operations. The main relay is turned OFF.	Confirmation of the wiring harness and the connector Paper exit cooling fan /Lw1 (FM13) Paper exit cooling fan /Lw2 (FM14) Printer control board (PRCB)
\triangle			C-0305	Rotation of paper exit cooling fan /Up1 (FM15), /Up2 (FM17) is checked. An abnormal condition occurs with the FM15, FM17 EM signal a specified period of time after FM 15, FM17 is turned ON. This abnormal condition is detected even a specified period of time after FM15, FM17 is turned OFF and then turned ON.		Confirmation of the wiring harness and the connector Paper exit cooling fan /Up1 (FM15) Paper exit cooling fan /Up2 (FM17) Printer control board (PRCB)
			C-0306	The blowout of ICP for the paper exit cooling fans /Lw1 (FM13), /Lw2 (FM14), /Up1 (FM15) and /Up2 (FM17) is detected. An abnormal condition occurs either with the FM13 EM signal and the FM14 EM signal a specified period of time after FM13 and FM14 are turned ON or with the FM15 EM signal and the FM17 EM signal a specified period of time after FM15 and FM17 are turned ON. With this abnormal condition, an error detection signal (blowout of ICP) is detected and the door close is detected 5 times in succession.		Confirmation of the wiring harness and the connector Paper exit cooling fan /Lw1 (FM13) Paper exit cooling fan /Lw2 (FM14) Paper exit cooling fan /Up1 (FM15) Paper exit cooling fan /Up2 (FM17) Printer control board (PRCB)

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts	
	tion			operation		
Main body	Fan abnor-mality	C-0307	The rotation of the developing cooling fan (FM19) is checked, and the 24V power source is also checked. An abnormal condition occurs with the FM19 EM signal a specified period of time after FM19 is turned ON. This abnormal condition recurs even a specified period of time after FM is turned OFF and then ON again, and an error detection signal (24V cut off) is detected.	The main body stops immediately to turn OFF the main relay (RL1).	stops immediately to turn OFF the main relay (RL1). harness and the connect DC power supply /2 (DCPS2) Printer control board (PRCB)	(DCPS2) Printer control board
		C-0308	The blowout of ICP for the developing cooling fan (FM19) is checked. An abnormal condition occurs with the FM19 EM signal a specified period of time after FM19 is turned ON. This abnormal condition recurs even a specified period of time after FM is turned OFF and then ON again, and an error detection signal (blowout of ICP) is detected. However, an error detection signal (24V cut off) is not detected.			
		C-0309	The rotation of the developing cooling fan (FM19) is checked. An abnormal condition occurs with the FM19 EM signal a specified period of time after FM19 is turned ON. This abnormal condition recurs even a specified period of time after FM19 is turned OFF and then ON again, and an error detection signal (24V cut off/blowout of ICP) is not detected.			

С	lassifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Fan abnor-	C-0310	Rotation of paper exit cooling fan /Lw1 (FM13), /Lw2 (FM14) is	If there is a sheet of paper	Confirmation of the wiring harness and the connector
Main	mality		checked. An abnormal condition occurs with the FM13, FM14 EM	being printed, the main body	Paper exit cooling fan /Lw1 (FM13)
			signal a specified period of time after FM13, FM 14 is turned ON.	completes the paper exit	Paper exit cooling fan /Lw2 (FM14)
			This abnormal condition is detected even a specified period	before stopping operations. The	Printer control board (PRCB)
			of time after FM13, FM14 is turned OFF and then ON again.	main relay is turned OFF.	(**************************************
		C-0311	Rotation of paper exit cooling fan /Up1 (FM15), /Up2 (FM17) is checked. An abnormal condition	tumou orr.	Confirmation of the wiring harness and the connector Paper exit cooling fan /Up1
			occurs with the FM15, FM17 EM signal a specified period of time after FM15, FM 17 is turned ON.		(FM15) Paper exit cooling fan /Up2 (FM17)
			This abnormal condition is detected even a specified period of time after FM15, FM17 is		Printer control board (PRCB)
			turned OFF and then ON again.		
	Power	C-0401	The blowout of a 12V ICP for the	The main body	Confirmation of the wiring
	abnor-		AC drive board (ACDB) is	stops immedi-	harness and the connector
	mality		checked.	ately to turn OFF	AC drive board (ACDB)
			In the serial initial communication,	the main relay	
			a signal of the blowout of a 12V	(RL1).	
			ICP (AC drive) is detected.		
		C-0402	The blowout of a 5V ICP for the		Confirmation of the wiring
			AC drive board (ACDB) is		harness and the connector
			checked. In the serial initial com-		(ACDB)
			munication, a signal of the blow-		AC drive board (ACDB)
			out of a 5V ICP (AC drive) is detected.		, ,
		C-0403	The 12V power source in the printer control board (PRCB) is		Confirmation of the wiring harness and the connector
			checked. An error detection signal of the 12V in PRCB is detected.		Printer control board (PRCI DC power supply /1 (DCPS1)
	ADU	C-0410	12V ICP blowout in the ADU drive		Confirmation of the wiring
	stand	2 3 1 1 3	board (ADUDB). A -5V ICP blow-		harness and the connector
	abnor-		out signal and blowout of a 12V		ADU drive board (ADUDB)
	mality		ICP signal are detected for the serial initial communication.		DC power supply /2 (DCPS2)



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	lassifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	0040	Judoss	operation	Louinated apriormal parto
Main body	ADU stand abnor- mality	C-0411	24V power source of the ADU drive board is checked. At the start, an error detection signal (blowout of ICP for the transfer exposure lamp/solenoid) is detected, and an error detection signal (24V cut off) is detected. At the start, an error detection signal (blowout of the ICP for the transfer exposure lamp/solenoid) is detected. However, an error detection signal (24V cut off) is not detected.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Centering sensor (PS1) Transfer exposure lamp (EL2) ADU lock solenoid (SD1) Reverse/exit solenoid (SD2) Fusing solenoid (SD3) ADU drive board (ADUDB) DC power supply /2 (DCPS2)
S	FS abnor- mality	C-1001* C-1002*	Communication error. Start-up response error.	The main body and the FS stop immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector FS control board (FSCB) Printer control board (PRCB: main body)
, GP	GP abnor- mality	C-1012	Communication error.	The main body and the GP stop immediately to turn off the main relay (RL1).	Confirmation of the wiring harness and the connector Printer control board (PRCB) Punch Controller PCB
Ą	PK abnor- mality	C-1047	Communication abnormality between FS-PK.	The main body and the FS stop immediately to turn OFF the	Confirmation of the wiring harness and the connector PK drive board (PDB) FS control board (FSCB)
S	FS abnor- mality	C-1091	Communication error when the sub CPU in the FS control board (FSCB) is receiving data.	main relay (RL1).	Confirmation of the wiring harness and the connector FS control board (FSCB)
		C-1092	Communication error when the main CPU in the FS control board (FSCB) is receiving data.		
		C-1101	The shift unit does not get to the shift position or the HP within a specified period of time.		Confirmation of the wiring harness and the connector Confirmation of the shift unit drive parts Shift roller home sensor (PS18) Shift roller motor (M2) FS control board (FSCB)

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Codo	Cudoco	operation	Lotimatod abriormal parto
	FS	C-1102	After start-up of the main tray up/	The main body	Confirmation of the wiring
FS	abnor-	0-1102	down motor (M3) operation, the	and the FS stop	harness and the connector
	mality		main tray upper limit sensor (PS2)	immediately to	Confirmation of the main tray
	Tricinty		or the stapler paper exit upper	turn OFF the	drive parts
			limit sensor (PS7) does not turn	main relay (RL1).	Main tray upper limit sensor
			ON within a specified period of	mairrolay (riz r).	(PS2)
			time.		Stapler paper exit upper limit sensor (PS7)
					Main tray up/down motor
					(M3)
					FS control board (FSCB)
		C-1103	After start-up of the alignment		Confirmation of the wiring
			motor /Up (M5) operation, the		harness and the connector
			alignment home sensor /Up (PS8)		Confirmation of the align-
			does not turn OFF within a speci-		ment plate drive parts
			fied period of time. Or, it does not		Alignment plate home sensor
			turn ON after being turned OFF.		/Up (PS8)
					Alignment motor /Up (M5)
					Relay board (RB)
					FS control board (FSCB)
		C-1105	After start-up of the paper exit		Confirmation of the wiring har-
			opening motor (M8) operation,		ness and the connector
			the open/close operation is not		Confirmation of the exit opening
			completed within a specified		drive parts
			period of time. (The paper exit		Paper exit opening home sensor
			opening home sensor (PS12)		(PS12)
			does not turn ON or OFF.)		Paper exit opening motor (M8)
		0.1100	A Clarification of the second		FS control board (FSCB)
		C-1106	After start-up of the stapler move-		Confirmation of the wiring harness and the connector
			ment motor (M11) operation, the stapler movement home sensor		Confirmation of the stapler
			(PS11) does not turn OFF. Or, it		movement parts
			does not turn ON after being		Stapler movement home
			turned OFF.		sensor (PS11)
					Stapler movement motor
					(M11)
					Relay board (RB)
					FS control board (FSCB)
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CI	assifica-	Code	Causas	Resulting	Estimated abnormal parts
	tion	Code	Causes	operation	LStimated abnormal parts
-		0.1107	Ottoral an unatation unatation (MO)	·	0
R	FS	C-1107	Stapler rotation motor (M6)	The main body	Confirmation of the wiring
	abnor-		abnormality. (FS-611 only)	and the FS stop	harness and the connector
	mality			immediately to	Confirmation of the stapler
				turn OFF the	rotation parts
				main relay (RL1).	Stapler rotation motor (M6)
					Relay board (RB)
					FS control board (FSCB)
		C-1108	Stapler /Rr rotation abnormality.		Confirmation of the wiring
			(FS-611 only)		harness and the connector Confirmation of the stapler /
					Rr rotation parts
					Stapler rotation home sensor
					(PS13)
					Relay board (RB)
					FS control board (FSCB)
		C-1109	After start-up of the paper exit belt		Confirmation of the wiring
			motor (M400) operation, the paper		harness and the connector Confirmation of the driving
			exit belt home sensor (PS9) does		parts of the conveyance belt
			not turn ON within a specified		Paper exit belt motor (M400)
			period of time.		FS control board (FSCB)
		C-1111	The stapler motor home sensor /Fr		Confirmation of the wiring
			(PS31) does not turn ON within a		harness and the connector
			specified period of time after the sta-		Replacement of the stapler / Fr
			pler motor /Fr (M14) starts opera-		Relay board (RB)
			tions. (FS-528)		FS control board (FSCB)
			Within a specified period of time after		
			the start-up of the clincher motor /Fr		
			(M15) or stapler motor /Fr (M14)		
			operation, the clincher home sensor /		
			Fr (PS33) or the stapler home sensor		
			/Fr (PS31) does not turn ON.		
			(FS-611)		
		C-1112	The stapler motor home sensor /		Confirmation of the wiring
			Rr (PS30) does not turn ON		harness and the connector
			within a specified period of time		Replacement of the stapler /
			after the stapler motor /Rr (M9)		Rr
			starts operations. (FS-528)		Relay board (RB)
			Within a specified period of time		FS control board (FSCB)
			after the start-up of the clincher		
			motor /Rr (M10) or stapler motor /		
			Rr (M9) operation, the clincher		
			home sensor /Rr (PS32) or the		
			stapler home sensor /Rr (PS30)		
			does not turn ON. (FS-611)		

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oode	Causes	operation	Estimated abnormal parts
	FS	C-1113	The clincher home sensor /Fr	The main body	Confirmation of the wiring
FS	abnor-	0-1110	(PS33) does not turn ON within a	and the FS stop	harness and the connector
	mality		specified period of time after the clincher motor /Fr (M15) starts	immediately to turn OFF the	Replacement of the stapler /
			operation. (FS-611)	main relay (RL1).	Relay board (RB) FS control board (FSCB)
		C-1114	The clincher home sensor /Rr (PS32) does not turn ON within a specified period of time after the clincher motor /Rr (M10) starts operation. (FS-611)		Confirmation of the wiring harness and the connector Replacement of the stapler / Rr Relay board (RB) FS control board (FSCB)
		C-1115	Within a specified period of time after the start-up of the FS conveyance motor (M1) operation, the motor does not get to the predetermined speed.		Confirmation of the wiring harness and the connector Confirmation of the conveyance drive parts FS conveyance motor (M1) FS control board (FSCB)
		C-1121	After the saddle stitching stopper motor (M18) starts the home position detection operation, the saddle stitching stopper home sensor (PS23) does not turn ON within a specified period of time. (FS-611 only)		Confirmation of the wiring harness and the connector Confirmation of the saddle stitcher stopper drive parts Saddle stitching stopper home sensor (PS23) Saddle stitching stopper motor (M18) Relay board (RB) FS control board (FSCB)
		C-1122	After the alignment motor /Lw (M16) starts the home position detection operation, the alignment plate home sensor /Lw (PS24) does not turn ON within a specified period of time. (FS-611 only)		Confirmation of the wiring harness and the connector Confirmation of the alignment plate /Lw drive parts Alignment plate home sensor /Lw (PS24) Alignment motor /Lw (M16) Relay board (RB) FS control board (FSCB)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Ω.	FS abnor- mality	C-1125	After the folding blade motor (M19) starts the home position detection operation, the folding blade home sensor /Lw (PS22) does not turn ON within a specified period of time. (FS-611 only) After start-up of the folding conveyance motor (M20) operation, the M20 does not get to the predetermined speed within a specified period of time. (FS-611 only)	The main body and the FS stop immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Confirmation of the folding blade drive parts Folding blade home sensor (PS22) Folding blade motor (M19) Relay board (RB) FS control board (FSCB) Confirmation of the wiring harness and the connector Confirmation of the folding transfer drive parts Folding transfer motor (M20) Relay board (RB)
UL	TU abnor- mality	C-1131	After start-up of the conveyance motor (M101) operation, the M101 does not get to the predetermined speed within a specified period of time.		FS control board (FSCB) Confirmation of the wiring harness and the connector Confirmation of the trimming conveyance drive parts Conveyance motor (M101) TU drive board (TUDB)
		C-1132	After the blade motor (M102) starts the home position detection operation, the blade home switch (MS101) does not turn ON within a specified period of time.		Confirmation of the wiring harness and the connector Confirmation of the blade drive parts Blade home switch (MS101) Blade motor (M102) TU drive board (TUDB)
		C-1133	After the stopper motor (M103) starts the home position detection operation, the stopper home sensor (PS103) does not turn ON within a specified period of time.		Confirmation of the wiring harness and the connector Confirmation of the stopper drive parts Stopper home sensor (PS103) Stopper motor (M103) TU drive board (TUDB)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oode	Gauses	operation	Estimated abnormal parts
_	TU	C-1134	After the stopper release motor	The main body	Confirmation of the wiring
\Box	abnor-	0-1134	(M104) starts the home position	and the FS stop	harness and the connector
	mality		, , ,	immediately to	
	тышу		detection operation, the stopper	turn OFF the	Confirmation of the stopper
			release home sensor (PS104)		release drive parts
			does not turn ON within a speci-	main relay (RL1).	Stopper release home sensor (PS104)
			fied period of time.		Stopper release motor
					(M104)
					· '
		0.4405	AG 11 (0.4405)		TU drive board (TUDB)
		C-1135	After the press motor (M105)		Confirmation of the wiring
			starts the home position detec-		harness and the connector
			tion operation, the press home		Confirmation of the press
			sensor (PS105) does not turn ON		drive parts
			within a specified period of time.		Press home sensor (PS105)
					Press motor (M105)
					TU drive board (TUDB)
		C-1136	After the pusher motor (M107)		Confirmation of the wiring
			starts the home position detec-		harness and the connector
			tion operation, the pusher home		Confirmation of the pusher
			sensor (PS112) does not turn ON		drive parts
			within a specified period of time.		Pusher home sensor
					(PS112)
					Pusher motor (M107)
					TU drive board (TUDB)
		C-1137	After the holder motor (M106)		Confirmation of the wiring
			starts the home position detec-		harness and the connector
			tion operation, the upper limit		Confirmation of the holder
			sensor (PS110) does not turn ON		drive parts
			within a specified period of time.		Upper limit sensor (PS110)
					Holder motor (M106)
					TU drive board (TUDB)
	Pl	C-1141	After start-up of the tray lift motor		Confirmation of the wiring
	abnor-		/Lw (M202) operation, the tray		harness and the connector
	mality		lower limit sensor /Lw (PS210)		Confirmation of the tray /Lw
			does not turn ON within a speci-		drive parts
			fied period of time.		Tray lower limit sensor /Lw
					(PS210)
					Tray lift motor /Lw (M202)
					PI drive board (PIDB)
					FS control board (FSCB)
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CI	accifica-	Code	Causes	Resulting	Estimated abnormal parts
Classifica- tion		Code	Causes	operation	Littlated abriorrial parts
15.		0 1140	After start up of the travelift restor		Configuration of the striping
Id	PI abnor- mality	C-1142	After start-up of the tray lift motor /Up (M201) operation, the tray upper limit sensor /Up (PS204) does not turn ON within a specified period of time.	The main body and the FS stop immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Confirmation of the tray /Up drive parts Tray upper limit sensor /Up (PS204) Tray lift motor /Up (M201) PI drive board (PIDB) FS control board (FSCB) Confirmation of the wiring
			(M203) turns ON, the M203 does not get to the predetermined speed within a specified period of time.		harness and the connector Transfer motor (M203) PI drive board (PIDB) FS control board (FSCB)
A A	PK abnor- mality	C-1144	After the punch shift motor (M802) starts the home position search, the punch shift home sensor (PS803) does not turn ON even when a specified period of time elapses.		Confirmation of the wiring harness and the connector Punch shift home sensor (PS803) Punch shift motor (M802) Punch drive board (PDB) FS control board (FSCB)
Z	ZU abnor- mality	C-1152	After the 1st stopper motor (M2) starts the home position search, the 1st stopper home sensor (PS3) does not turn ON even when a specified period of time elapses.		Confirmation of the wiring harness and the connector Confirmation of the 1st stopper drive parts 1st stopper home sensor (PS3) 1st stopper motor (M2) ZU control board (ZUCB)
		C-1153	After the 2nd stopper motor (M3) starts the home position search, the 2nd stopper home sensor (PS4) does not turn ON even when a specified period of time elapses.		Confirmation of the wiring harness and the connector Confirmation of the 2nd stopper drive parts 2nd stopper home sensor (PS4) 2nd stopper motor (M3) ZU control board (ZUCB)

Classifica- Code Causes Resulting Estimated abnormal parts					
	tion	Code	Causes	operation	Estimated apriormal parts
		C-1154	The munch kerner and (DOCC)	·	Confirmation of the
¥	PK	G-1154	The punch home sensor (PS801)	The main body	Confirmation of the wiring harness and the connector
	abnor-		does not turn OFF within a speci-	and the FS stop	
	mality		fied period of time after the punch	immediately to	Confirmation of the punch
			motor (M801) starts operation.	turn OFF the	drive parts
				main relay (RL1).	Punch home sensor (PS801)
					Punch motor (M801)
					Punch drive board (PDB) FS control board (FSCB)
		0	100		, ,
Z	ZU	C-1155	After the punch shift motor (M5)		Confirmation of the wiring
	abnor-		starts the home position search,		harness and the connector
	mality		the punch shift home sensor		Confirmation of the punch
			(PS5) does not turn ON even		shift drive parts
			when a specified period of time		Punch shift home sensor
			elapses.		(PS5)
					Punch shift motor (M5)
	,				ZU control board (ZUCB)
		C-1157	After the punch motor (M4) turns		Confirmation of the wiring
			on, the punch operation is not		harness and the connector
			completed even when a specified		Confirmation of the punch
			period of time elapses. (The		drive parts
			punch home sensor (PS6) does		Punch home sensor (PS6)
			not turn OFF, or it does not turn		Punch clutch (CL1)
			ON after being turned OFF.)		Punch motor (M4)
					ZU control board (ZUCB)
		C-1158	After the punch switching motor		Confirmation of the wiring
			(M8) starts the home position		harness and the connector
			search, the punch switching		Confirmation of the punch
			switch (MS2) does not turn ON		switchover drive parts
			even when a specified period of		Punch switchover switch
			time elapses.		(MS2)
					Punch switchover motor
					(M8)
					ZU control board (ZUCB)
S	FSab-	C-1181	After the gate motor (M12) starts		Confirmation of the wiring
	nor-		the home position search, the		harness and the connector
	mality		gate home sensor (PS16) does		Confirmation of the gate
			not turn ON even when a speci-		drive parts
			fied period of time elapses.		Gate home sensor (PS16)
					Gate motor (M12)
					FS control board (FSCB)
Z	ZU	C-1356	A specified period of time after		Confirmation of the wiring
	abnor-		the conveyance motor cooling		harness and the connector
	mality		fan (M10) is turned on, the EM		Conveyance motor cooling
			signal of the M10 gets into an		fan (M10)
			abnormal condition.		ZU control board (ZUCB)

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Classifica-		Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Wire	C-2101	When the charge cleaning home	The main body	Confirmation of the wiring
	clean-		sensor (PS41) is OFF with the	stops immedi-	harness and the connector
	ing		main power switch (SW1) ON,	ately to turn OFF	Charge cleaning motor (M23)
	abnor-		PS41 does not turn ON within a	the main relay	Charge cleaning home sen-
	mality		specified period of time after the	(RL1).	sor (PS41)
			charge cleaning motor (M23)		Charge cleaning limit sensor
			turns ON for home position		(PS42)
			research operation (return opera-		Printer control board (PRCB)
			tion). At this time, an error detec-		
			tion signal (blowout of ICP) is not		
			detected.		
			PS41 does not turn OFF within a		
			specified period of time after the		
			reverse operation (return opera-		
			tion) is started. At this time, an		
			error detection signal (blowout of		
			ICP) is not detected.		
			It is checked that the time for the		
			M23 operations is over. The		
			charge cleaning limit sensor		
			(PS42) does not turn ON within a		
			specified period of time after the		
			reverse operation (return opera-		
			tion) is started for detection of		
			PS41 being OFF. Or, PS41 does		
			not turn ON within a specified		
			period of time after PS42 turns		
			ON.		
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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Main body	Wire clean-ing abnor-mality	C-2102	The blowout of ICP for the charge cleaning motor (M23) in the printer control board (PRCB) is checked. When the charge cleaning home sensor (PS41) is OFF with the main power switch (SW1) ON, PS41 does not turn ON within a specified period of time after the M23 turns ON for home position research operation (return operation). And at this time, an error detection signal (blowout of ICP) is detected. PS41 does not turn OFF within a specified period of time after the reverse operation (return operation) is started. And at this time, an error detection signal (blowout of ICP) is detected. The charge cleaning limit sensor (PS42) does not turn ON within a specified period of time after the reverse operation (return operation) is started for detection of PS41 being OFF. Or, PS41 does not turn ON within a specified period of time after PS42 turns ON. At this time, an error detection signal (blowout of ICP) is detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Charge cleaning motor (M23) Charge cleaning home sensor (PS41) Charge cleaning limit sensor (PS42) Printer control board (PRCB)
		C-2103	The locking of the charge cleaning motor (M23) is detected. A motor lock signal is detected while moving from the charge cleaning limit sensor (PS42) side to the charge cleaning home sensor (PS41) side, and after a retry operation, a fifth motor lock signal is detected.		Confirming the operation of the charging corona cleaning member Confirmation of the wiring harness and the connector Charge cleaning motor (M23) Charge cleaning home sensor (PS41) Charge cleaning limit sensor (PS42) Printer control board (PRCB)

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
ò	Wire	C-2104	It is checked that the operations	The main body	Confirmation of the wiring
Main body	clean-		of the transfer/separation clean-	stops immedi-	harness and the connector
lain	ing		ing motor (M18) are over. When	ately to turn OFF	Transfer/separation cleaning
2	abnor-		the transfer/separation cleaning	the main relay	motor (M18)
	mality		home sensor (PS11) is OFF with	(RL1).	Transfer/separation cleaning
			the main power switch (SW1) ON,		home sensor (PS11)
			PS11 does not turn ON within a		Transfer/separation cleaning
			specified period of time after the		limit sensor (PS12)
			M18 turns ON for a home posi-		ADU drive board (ADUDB)
			tion research operation (return		
			operation). At this time, an error		
			detection signal (blowout of ICP)		
			is not detected.		
			PS11 does not turn OFF within a		
			specified period of time after the		
			reverse operation (return opera-		
			tion) is started. At this time, an		
			error detection signal (blowout of		
			ICP) is not detected.		
			It is checked that the operations		
			of the M18 are over. The transfer/		
			separation cleaning limit sensor (PS12) does not turn ON within a		
			specified period of time after the		
			reverse operation (return opera-		
			tion) is started for detection of		
			PS11 being OFF. Or, PS11 does		
			not turn ON within a specified		
			period of time after PS12 turns		
			ON. At this time, an error detec-		
			tion signal (blowout of ICP) is not		
			detected.		
		C-2106	The locking of the transfer/sepa-		Confirmation of the transfer/
		0 2100	ration cleaning motor (M18) is		separation cleaning member
			detected. Motor lock signals are		Confirmation of the wiring
			detected. While moving from the		harness and the connector
			transfer/separation limit sensor		Transfer/separation cleaning
			(PS12) side to the transfer/sepa-		motor (M18)
			ration home sensor (PS11) side,		Transfer/separation cleaning
			and after a retry operation, a fifth		home sensor (PS11)
			motor lock signal is detected.		Transfer/separation cleaning
					limit sensor (PS12)
					ADU drive board (ADUDB)
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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
tion				operation	
Main body	Motor abnor- mality	C-2110	It is checked that the home position search time of the transfer assist motor (M25) is out. When the transfer assist home sensor (PS64) is turned OFF, PS64 is not turned ON a specified period of time after the home position search starts operation.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Transfer assist motor (M25) Transfer assist home sensor (PS64) ADU drive board (ADUDB) DC power supply /1 (DCPS1)
		C-2111	While the transfer assist motor (M25) is in operation, an error is detected. An error is detected of the transfer assist motor (M25) while in the print operation.		Power supply cooling fan /1 (FM30) Power supply cooling fan /2 (FM31)
		C-2201	The speed error signal of the toner bottle motor (M15) is checked. An error detection signal is detected twice in succession a specified period of time after M15 turns ON (the first signal is ignored).		Confirmation of the wiring harness and the connector Toner bottle motor (M15) Printer control board (PRCB)
		C-2202	The speed error signal of the developing motor (M3) is checked. Since an error detection signal is detected a second after M3 turns ON, turn OFF M3 for a specified period of time. Then, an error detection signal is detected again a specified period of time after it is turned ON again.		Confirmation of the wiring harness and the connector Developing motor (M3) Printer control board (PRCB)
		C-2203	The locking of the blade motor (M14) is detected. The error detection signal (over current) of M14 is detected.		Confirmation of the wiring harness and the connector Blade motor (M14) Printer control board (PRCB)

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Ş	Motor	C-2204	It is checked that the movement	The main body	Confirmation of the wiring
Main body	abnor-		of the blade motor (M14) is not	stops immedi-	harness and the connector
/air	mality		completed, and the 24V power	ately to turn OFF	Blade sensor /1 (PS30)
_			source is also checked. The drum	the main relay	Blade sensor /2 (PS31)
			READY1 signal (READY condi-	(RL1).	Blade motor (M14)
			tion) cannot be detected within a		Drum motor (M2)
			specified period of time after the		Printer control board (PRCB)
			drum motor (M2) turns ON. Or,		DC power supply /2
			the drum READY1 signal (READY		(DCPS2)
			release condition) cannot be		
			detected within a specified period		
			of time after M2 turns OFF. At this		
			time, an error detection signal		
			(24V cut out) is detected.		
		C-2205	The blowout of ICP for the blade		
			motor (M14) in the printer control		
			board (PRCB) is checked.		
			The drum READY1 signal		
			(READY condition) cannot be		
			detected within a specified period		
			of time after the drum motor (M2)		
			turns ON. Or, the drum READY1		
			signal (READY release condition)		
			cannot be detected within a		
			specified period of time after M2		
			turns OFF. At this time, the error		
			detection signal (blowout of ICP)		
			of M14 is detected.		
		C-2206	It is checked that the movement		
			of the blade motor (M14) is not		
			completed.		
			The drum READY1 signal		
			(READY condition) cannot be		
			detected within a specified period		
			of time after the drum motor (M2)		
			turns ON. Or, the drum READY1		
			signal (READY release condition)		
			cannot be detected within a		
			specified period of time after M2		
			turns OFF. At this time, an error		
			detection signal is not detected.		

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		Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Motor abnor- mality	C-2207	It is checked that the movement of the blade motor (M14) is not completed, and 24V power source is also checked. The blade READY signal (READY condition) cannot be detected within a specified period of time after the blade replacement signal turns ON. Or, the blade READY signal (READY release condition) cannot be detected within a specified period of time after the blade replacement signal turns OFF. At this time, an error detection signal (24V cut out) is detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Blade sensor /1 (PS30) Blade sensor /2 (PS31) Blade motor (M14) Drum motor (M2) Printer control board (PRCB) DC power supply /2 (DCPS2)
		C-2208	The blowout of ICP for the blade motor (M14) in the printer control board (PRCB) is checked. The blade READY signal (READY condition) cannot be detected within a specified period of time after the blade replacement signal turns ON. Or, the blade READY signal (READY release condition) cannot be detected within a specified period of time after the blade replacement signal turns OFF. At this time, the error detection signal (blowout of ICP) of M14 is detected.		
		C-2209	It is checked that the movement of the blade motor (M14) is not completed. The blade READY signal (READY condition) cannot be detected within a specified period of time after the blade replacement signal turns ON. Or, the blade READY signal (READY release condition) cannot be detected within a specified period of time after the blade replacement signal turns OFF. At this time, an error detection signal is not detected.		

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
bd	Motor	C-2210	It is checked that the drum motor	The main body	Confirmation of the wiring
Main body	abnor-		(M2) does not start. The drum	stops immedi-	harness and the connector
Nair	mality		READY2 signal (READY signal) is	ately to turn OFF	Drum motor (M2)
_			not detected within a specified	the main relay	Printer control board (PRCB)
			period of time after M2 turns ON.	(RL1).	
		C-2211	The blowout of ICP for the toner		Confirmation of the wiring
			supply motor (M11) in the printer		harness and the connector
			control board (PRCB) is checked.		Toner supply motor (M11)
			An error detection signal (blowout		Printer control board (PRCB)
			of ICP) is detected when M11		
			turns ON.		
		C-2221	When the recycle cut motor (M24)		Confirmation of the wiring
			is turned ON, an error detection		harness and the connector
			signal is detected twice in a row		Recycle cut motor (M24)
			within a specified period of time.		Recycle cut drive board
			(An error detection signal on the		(RCDB)
			first time is ignored.)		Printer control board (PRCB)
RC	RC	C-2250	It is detected that the waste toner	If there is a	Waste toner recycle box
8	abnor-		amount exceeds 80% of the	sheet of paper	
	mality		toner collection box At this time,	being printed,	
			DIPSW5-0 is 0 and the opera-	the main body	
			tions of all the job, including the	completes the	
			reservation, are completed.	paper exit	
				before stopping	
				operations. The	
				main relay (RL1)	
				is turned OFF.	
<u></u>	Motor	C-2401	The temperature of the drum	The main body	Confirmation of the wiring
body	abnor-		temperature sensor (TH5)	stops immedi-	harness and the connector
Main	mality		detected a specified period of	ately to turn OFF	Drum temperature sensor
Ž			time after the main power switch	the main relay	(TH5)
			(SW1) is turned ON is -3°C or	(RL1).	Printer control board (PRCB)
			lower, and also, the drum temper-		, ,
			ature after a specified period of		
			time is -3°C or lower.		
		C-2402	When the main power switch		
		0 2 . 0 2	(SW1) turns ON with the fusing		
			temperature below 50°C, the		
			detected temperature of the		
			drum temperature sensor (TH5) is		
			more than 52°C, and when the		
			detected temperature is above		
			52°C after a specified period of		
			time.		

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Con- nec- tion abnor- mality High volt-	C-2403	The erase lamp (EL1) is unconnected. A charge leak is detected. After a charge error detection signal is	The main body stops immediately to turn OFF the main relay (RL1). If there is a sheet of paper	Confirmation of the wiring harness and the connector Erase lamp (EL1) Printer control board (PRCB) Confirmation of the charger power feeding contact
	age power source abnor-		detected while in the charge ON, up to 5 charge ON/OFF operations occur in succession.	being printed, the main body completes the paper exit	Confirmation of the wiring harness and the connector High voltage unit /1 (HV1) Printer control board (PRCB)
	mality	C-2702	A transfer leak is detected. After a transfer error detection signal is detected while in the transfer ON, up to 5 transfer ON/OFF operations occur in succession.	before stopping operations. The main relay (RL1) is turned OFF.	Confirmation of the transfer/ separation charger power feeding contact Confirmation of the wiring harness and the connector
		C-2703	A separation leak is detected. After a separation error detection signal is detected while in the separation ON, up to 5 separation ON/OFF operations occur in succession.	The main body stops immedi- ately to turn OFF the main relay (RL1).	High voltage unit /2 (HV2) Printer control board (PRCB) ADU drive board (ADUDB)
		C-2704	The error detection signal (blowout of a 24V ICP) of the high voltage unit /2 (HV2) is detected.		Confirmation of the wiring harness and the connector High voltage unit /2 (HV2) ADU drive board (ADUDB)
	Pro- cess abnor- mality	C-2801	The dirt correction of the sensor is not completed. While in the maximum density correction, the dirt correction of the IDC sensor is not sufficient. When this condition is detected 10 times in succession, the error code is displayed.		Cleaning of the IDC sensor Confirmation of the wiring harness and the connector IDC sensor board (IDCB) Printer control board (PRCB)

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Pro- cess abnor- mality	or-	is not completed. While in the maximum density correction, the number of rotations of the developing roller gets to the maximum.	displayed on the operation panel, but displayed IDC ser only on the data collection, the list output and overall	Cleaning of the IDC sensor Confirmation of the wiring harness and the connector IDC sensor board (IDCB) Developing motor (M3)
					Printer control board (PRCB) Overall control board (OACB) Write unit
			The dirt correction of the sensor is not completed. While in gamma correction, the dirt correction of the IDC sensor is not sufficient. When C-2804 or C-2807 is detected 10 times in succession, the error code is displayed.	The main body stops immedi- ately to turn OFF the main relay (RL1).	
		C-2805#	The IDC sensor board (IDCB) output abnormality. While in the gamma correction, a patch for control is not output. (No output is made from the IDCB.)	Error code is not displayed on the operation panel, but displayed only on the data	
		C-2806#	The gamma correction data is defective. The gamma correction output is abnormal. A regression error when carrying out a gamma curve operation while in the gamma correction.	collection, the list output and the CSRC. The control of the main body is made by using a data previously obtained.	
		C-2807#	The dirt correction of the sensor is not completed. While in the dot diameter correction, the dirt correction of the IDC sensor is not sufficient. When C-2804 or C-2807 is detected 10 times in succession, the error code is displayed.	The main body stops immedi- ately to turn OFF the main relay (RL1).	

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	0000		operation	parte
_	Pro-	C-2808#	Correction abnormality. While in	Error code is not	Cleaning of the IDC sensor
Main body		U-2000#	the dot diameter correction, the		•
n b	cess		· ·	displayed on the	Confirmation of the wiring
Maj	abnor-		correction is terminated with an	operation panel,	harness and the connector
	mality		abnormal value.	but displayed	IDC sensor board (IDCB)
				only on the data	Developing motor (M3)
				collection, the	Printer control board (PRCB)
				list output and	Overall control board (OACB)
				the CSRC. The	Write unit
				control of the	
				main body is	
				made by using a	
				data previously	
				obtained.	
		C-2809#	Drum potential sensor (DPS) out-	The main body	Confirmation of the wiring
			put abnormality. While in the 0V	stops immedi-	harness and the connector
			check of the DPS, more than	ately to turn OFF	Drum potential sensor board
			100V of the drum surface poten-	the main relay	(DPSB)
			tial is detected more than 5 times.	(RL1).	Drum potential sensor (DPS)
			When this condition is detected 5		Printer control board (PRCB)
			times in succession, the error		
			code is displayed.		
		C-2810	Drum potential sensor (DPS) out-		
			put abnormality. While in the		
			drum potential correction, a		
			patch for control is not output		
			with the V1 getting to more than		
			350V. When this condition is		
			detected 5 times in succession,		
			the error code is displayed.		
		C-2811	The data is defective. While in the		
			drum potential correction, no		
			convergence is obtained even		
			after correction is made more		
			than 10 times. When this condi-		
			tion is detected 5 times in suc-		
			cession, the error code is		
			displayed.		

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
<u>\</u>	tion Pro-	C-2812#	Auto adjustment monitor value	operation Error code is not	Confirmation of the transfer/
Main body	cess abnor- mality		abnormality. No convergence is made in the auto adjustment of the transfer current.	displayed on the operation panel, but displayed	separation charger power feeding contact Confirmation of the wiring
		C-2813#	Auto adjustment monitor value abnormality. No convergence is made in the auto adjustment of the separation (AC) current.	only on the data collection, the list output and the CSRC. The	harness and the connector High voltage unit /2 (HV2) Printer control board (PRCB) ADU drive board (ADUDB)
		C-2814#	Auto adjustment monitor value abnormality. No convergence is made in the auto adjustment of the separation (DC) current.	control of the main body is made by using a data previously obtained.	
		C-2815#	Auto adjustment monitor value abnormality. No convergence is made in the auto adjustment of the developing bias.		Confirmation of the charger power feeding contact Confirmation of the wiring harness and the connector High voltage unit /1 (HV1) Printer control board (PRCB)
	sec- tion motor abnor- mality	C-3101	The blowout of ICP for the web motor (M16) in the printer control board (PRCB) is checked, and the 24V power source is also checked. When M16 turn ON from OFF, error detection signals (blowout of ICP and the 24V cut off) are detected.	sheet of paper being printed, the main body completes the paper exit before stopping operations. The main relay (RL1) is turned OFF. harness and th Web motor (M' Printer control I DC power supply (DCPS2)	Confirmation of the wiring harness and the connector Web motor (M16) Printer control board (PRCB) DC power supply /2 (DCPS2)
		C-3102	The blowout of ICP for the web motor (M16) in the printer control board (PRCB) is checked. When M16 turns ON from OFF, the blowout of ICP abnormality is detected with a 24V down signal normal.		
	Fan abnor- mality	C-3301	The rotation of the fusing fan /1 (FM1) is checked, and the 24V power source is also checked. An abnormal condition occurs with the FM1 EM signal a specified period of time after FM1 is turned ON. This abnormal condition recurs even a specified period of time after FM1 is turned OFF and then turned ON, and an error detection signal (24V cut off) is detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Fusing fan /1 (FM1) ADU drive board (ADUDB) DC power supply /2 (DCPS2)

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	'
Main body	Fan abnor- mality	C-3302	Rotation of the fusing fan /1 (FM1) is checked. An abnormal condition occurs with the FM1 EM signal a specified period of time after FM1 is turned ON. This abnormal condition recurs even a specified period of time after FM1 is turned OFF and then turned ON, and an error detection signal (24V cut off/blowout of ICP) is not detected. When the print is completed, the fusing fan /1 (FM1) EM signal gets into an abnormal condition.	The main body stops immediately to turn OFF the main relay (RL1). Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	Confirmation of the wiring harness and the connector Fusing fan /1 (FM1) ADU drive board (ADUDB) DC power supply /2 (DCPS2)
		C-3304	The rotation of the fusing fan /2 (FM4) is checked, and the 24V power source is also checked. An abnormal condition occurs with the FM4 EM signal a specified period of time after FM4 is turned ON. This abnormal condition recurs even a specified period of time after FM4 is turned OFF and then turned ON, and an error detection signal (24V cut off) is detected. Rotation of the fusing fan /2 (FM4) is checked. An abnormal condition occurs with the FM4 EM signal a specified period of time after FM4 is turned ON. This abnormal condition recurs even a specified period of time after FM4 is turned OFF and then ON again, and an error detection signal (24V cut off) is not detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Fusing fan /2 (FM4) ADU drive board (ADUDB) DC power supply /2 (DCPS2)

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
ò	Fan	C-3306	When the print is completed, the	Error code is not	Confirmation of the wiring
poq	abnor-		fusing fan /2 (FM4) EM signal gets	displayed on the	harness and the connector
Main body	mality		into an abnormal condition.	operation panel,	Fusing fan /2 (FM4)
2				but displayed	ADU drive board (ADUDB)
				only on the data	DC power supply /2
				collection, the	(DCPS2)
				list output and	
				CSRC.	
	Fusing	C-3501	Fusing roller /Up high tempera-	The main body	Confirmation of the wiring
	high		ture detection (software). TH1	stops immedi-	harness and the connector
	tem-		detects a temperature of 235°C	ately to turn OFF	Fusing temperature sensor /
	pera-		or above 5 times in a specified	the main relay	1 (TH1)
	ture		period of time. Or, the fusing tem-	(RL1).	Fusing heater lamp /1 (L1)
	abnor-		perature sensor /2 (TH2) detects		Fusing heater lamp /2 (L2)
	mality		a temperature of 240°C or above.	Caution	Printer control board (PRCB)
				• When C-35**,	AC drive board (ACDB)
		C-3502	Fusing heating roller high temper-	C-38** or C-	Confirmation of the wiring
			ature abnormality (software). TH3	39** (fusing	harness and the connector
			detects a temperature of 230°C	temperature	Fusing temperature sensor /
			or above 5 times in a specified	related	3 (TH3)
			period of time.	abnormality)	Fusing heater lamp /3 (L3)
				occurs, be	Printer control board (PRCB)
				sure to repair	AC drive board (ACDB)
				defective	
				parts before	
				setting	
				DIPSW3-1 to	
				0. Setting	
				DIPSW3-1 to	
				0 with defec-	
				tive parts not	
				repaired	
				results in a	
				fire.	

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	0040	Guadee	operation	Louiriatod abriorinal parto
_	Fus-	C-3503	Fusing roller /Up high tempera-	The main body	Confirmation of the wiring
bod	ing	0 0000	ture abnormality (hardware). An	stops immedi-	harness and the connector
Main body	high		abnormal condition is detected	ately to turn OFF	Fusing temperature sensor /
\mathbb{A}^{9}	tem-		with the fusing error detection	the main relay	1 (TH1)
			signal 1.	(RL1).	Fusing heater lamp /1 (L1)
	pera-		Signal 1.	(NL1).	Fusing heater lamp /2 (L2)
	ture abnor-			Caution	Printer control board (PRCB)
	mality			• When C-35**,	AC drive board (ACDB)
	тышу			C-38** or C-	` ,
		C-3504	Fusing heating roller high temper-		Confirmation of the wiring
			ature abnormality (hardware). An	(harness and the connector
			abnormal condition is detected	temperature	Fusing temperature sensor /
			with the fusing error detection	related	3 (TH3)
			signal 4.	abnormality)	Fusing heater lamp /3 (L3)
				occurs, be	Printer control board (PRCB)
				sure to repair	AC drive board (ACDB)
	Fusing	C-3801	Fusing roller /Up low temperature	defective	Confirmation of the wiring
	low		abnormality (software). TH1 does	parts before	harness and the connector
	tem-		not get to 75°C when a specified	setting	Fusing temperature sensor /
	pera-		period of time has elapsed after	DIPSW3-1 to	1 (TH1)
	ture		the main switch (SW1) is turned	0. Setting	Fusing heater lamp /1 (L1)
	abnor-		ON for the fusing ON control.	DIPSW3-1 to	Fusing heater lamp /2 (L2)
	mality			0 with defec-	Printer control board (PRCB)
				tive parts not	AC drive board (ACDB)
		C-3802	Fusing heating roller low temper-	repaired	Confirmation of the wiring
			ature abnormality (software). TH3	results in a	harness and the connector
			does not get to 50°C when a	fire.	Fusing temperature sensor /
			specified period of time has		3 (TH3)
			elapsed after the main switch		Fusing heater lamp /3 (L3)
			(SW1) is turned ON for the fusing		Printer control board (PRCB)
			ON control.		AC drive board (ACDB)
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tion Fus- C-3901 Fusing roller /Up sensor abnormality (software). TH1 detects a temperature of 230°C or above 30 times in a row in a specified period of time. C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. The main body stops immediately	CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
Fusing roller /Up sensor abnormality (software). TH1 detects a temperature of 230°C or above 30 times in a row in a specified abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. The main body stops immediately stops immediately to turn OFF the main relay (RL1). Fusing temperature Fusing temperature control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 3 (TH3) Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /3 (L3) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Confirmation of the wiring harness and the connector Fusing temperature sen			Oode	Causes	_	Estimated apriormal parts
mality (software). TH1 detects a temperature of 230°C or above 30 times in a row in a specified period of time. C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. mality (software). TH1 detects a temperature abnormality (-6°C or lower) in the comparator circuit. stops immediately to turn OFF the main relay (-1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2) Caution • When C-35**, C-38** or C-39** (fusing temperature sensor / 3 (TH3) Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) O. Setting DIPSW3-1 to 0. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)			0.0004		'	
sor abnormality C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. Sor abnormal a specified (RL1). Caution When C-35**, C-38** or C-39** (fusing temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (-6°C or lower) in the comparator circuit. The main relay (1 (1H1) Fusing heater lamp /1 (L1) Fusing heater lamp /3 (L3) Confirmation of the wiring harness and the connector setting purpose harness and the connector fusing temperature sensor / 1 (TH1) O. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)	pdy		C-3901			
sor abnormality C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. Sor abnormal a specified (RL1). Caution When C-35**, C-38** or C-39** (fusing temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (-6°C or lower) in the comparator circuit. The main relay (1 (1H1) Fusing heater lamp /1 (L1) Fusing heater lamp /3 (L3) Confirmation of the wiring harness and the connector setting purpose harness and the connector fusing temperature sensor / 1 (TH1) O. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)) pc	ing		,		
sor abnormality C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. Sor abnormal a specified (RL1). Caution When C-35**, C-38** or C-39** (fusing temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (-6°C or lower) in the comparator circuit. The main relay (1 (1H1) Fusing heater lamp /1 (L1) Fusing heater lamp /3 (L3) Confirmation of the wiring harness and the connector setting purpose harness and the connector fusing temperature sensor / 1 (TH1) O. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)	Nair	sen-		'		
C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. Fusing heater lamp /2 (L2) Printer control board (PRCB) AC drive board (ACDB) C-38** or C-38** (fusing harness and the connector Fusing temperature sensor / 3 (TH3) Fusing heater lamp /2 (L2) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector setting parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to 1 (TH1) Fusing heater lamp /2 (L2)	_	sor		30 times in a row in a specified	the main relay	1 (TH1)
C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. C-3904 Fusing heating roller sensor abnormality (-6°C or lower) in the comparator circuit. C-3905 Fusing heating roller sensor abnormality (-6°C or lower) in the comparator circuit. C-3906 Fusing heating roller sensor abnormality (-39** (fusing temperature sensor / 4 (ACDB) and AC drive board (ACDB) and AC dri		abnor-		period of time.	(RL1).	Fusing heater lamp /1 (L1)
C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. C-3904 Fusing heating roller sensor abnormality (-6°C or lower) in the comparator circuit. C-38** or C-398** (fusing harness and the connector Fusing temperature sensor / 3 (TH3) Fusing heater lamp /3 (L3) Fusing heater lamp /3 (L3) Fusing temperature before setting pulpsw3-1 to 0. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)		mality				Fusing heater lamp /2 (L2)
C-3902 Fusing heating roller sensor abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. C-38** or C-39** (fusing harness and the connector Fusing temperature sensor / Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)					Caution	Printer control board (PRCB)
abnormality (software). TH3 detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. 39** (fusing temperature Fusing temperature sensor / 3 (TH3) Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)					• When C-35**,	AC drive board (ACDB)
detects a temperature of 220°C or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. temperature related 3 (TH3) Fusing temperature sensor / 3 (TH3) Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)			C-3902	Fusing heating roller sensor	C-38** or C-	Confirmation of the wiring
or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. related abnormality) Grusing related abnormality) Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)				abnormality (software). TH3	39** (fusing	harness and the connector
or above 30 times in a row in a specified period of time. C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. related abnormality) sure to repair defective parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to DIPSW3-1 to DIPSW3-1 to Fusing heater lamp /3 (L3) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)					temperature	Fusing temperature sensor /
specified period of time. abnormality) occurs, be sure to repair defective parts before voltage of the TH1 is detected as a low temperature abnormality (- 6°C or lower) in the comparator circuit. specified period of time. abnormality) occurs, be sure to repair defective parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to DIPSW3-1 to Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 1 (TH1) Fusing heater lamp /3 (L3) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing heater lamp /2 (L1) Fusing heater lamp /2 (L2)					related	- '
C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. Occurs, be sure to repair defective parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)				specified period of time.	abnormality)	, , ,
C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. sure to repair defective parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to TH1 is detected as a low temperature abnormality (-100 to circuit.					occurs, be	, , ,
C-3903 Fusing roller /Up sensor abnormality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (6°C or lower) in the comparator circuit. defective parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to 0. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)					sure to repair	` '
mality (hardware). The output voltage of the TH1 is detected as a low temperature abnormality (-6°C or lower) in the comparator circuit. parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)			C-3003	Fusing roller /I lp sensor abnor-	defective	· · ·
voltage of the TH1 is detected as a low temperature abnormality (- 6°C or lower) in the comparator circuit. setting DIPSW3-1 to 0. Setting DIPSW3-1 to 0. Setting Fusing temperature sensor / 1 (TH1) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)			0-0900		parts before	
a low temperature abnormality (- 6°C or lower) in the comparator circuit. DIPSW3-1 to 0. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)					setting	
6°C or lower) in the comparator circuit. 0. Setting DIPSW3-1 to Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2)					DIPSW3-1 to	- '
circuit. DIPSW3-1 to Fusing heater lamp /2 (L2)					0. Setting	` '
Fusing fleater lamp /2 (L2)				,		. , , ,
0 with defec-				Circuit.	0 with defec-	
Attua mosts most						, , ,
repaired repaired					_	` '
G-3904 Fusing heating roller sensor Confirmation of the wiring			C-3904	Fusing heating roller sensor		
abnormality (hardware). The out-				abnormality (hardware). The out-		harness and the connector
put voltage of the TH3 is Fusing temperature sensor /				put voltage of the TH3 is	ille.	Fusing temperature sensor /
detected as a low temperature 3 (TH3)				detected as a low temperature		3 (TH3)
abnormality (-6°C or lower) in the Fusing heater lamp /3 (L3)				abnormality (-6°C or lower) in the		Fusing heater lamp /3 (L3)
comparator circuit. Printer control board (PRCB)				comparator circuit.		Printer control board (PRCB)
AC drive board (ACDB)						AC drive board (ACDB)

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Fus- ing sen- sor abnor- mality	C-3905	Fusing roller /Up abnormality detection (hardware). The output voltage of the TH2 is detected as a low temperature (-6°C or lower) or high temperature (240.5°C or higher) abnormality in the comparator circuit. Fusing heating roller abnormality detection (hardware). The output voltage of the TH4 is detected as a low temperature (-6°C or lower) or high temperature (240.5°C or higher) abnormality in the comparator circuit.	The main body stops immediately to turn OFF the main relay (RL1). Caution • When C-35**, C-38** or C-39** (fusing temperature related abnormality) occurs, be sure to repair defective parts before setting DIPSW3-1 to 0. Setting DIPSW3-1 to 0 with defective parts not repaired results in a fire.	Confirmation of the wiring harness and the connector Fusing temperature sensor / 2 (TH2) Fusing heater lamp /1 (L1) Fusing heater lamp /2 (L2) Printer control board (PRCB) AC drive board (ACDB) Confirmation of the wiring harness and the connector Fusing temperature sensor / 4 (TH4) Fusing heater lamp / 3 (L3) Printer control board (PRCB) AC drive board (ACDB)
	Writ- ing sec- tion abnor- mality	C-4101	When the speed of the polygon motor (M17) is being switched, a speed lock signal is not detected within a specified period of time.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Write unit (Polygon motor drive board (PMDB) → Polygon motor (M17)) DC power supply /2 (DCPS2)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oode	Causes	operation	Latinated abnormal parts
_	Fan	C-4301	The rotation of the write unit cool-	The main body	Confirmation of the wiring
Main body	abnor-	0-4301	ing fan /1 (FM5) is checked, and	stops immedi-	harness and the connector
in b	mality		24V power source is also	ately to turn OFF	Write unit cooling fan /1
Ma	mailty		checked. An abnormal condition	the main relay	(FM5)
			occurs with the FM5 EM signal a	(RL1).	AC drive board (ACDB)
			specified period of time after FM5	(11121).	DC power supply /2
			turns ON. This abnormal condi-		(DCPS2)
			tion recurs even a specified		(DOI 32)
			period of time after FM5 is turned		
			OFF and then turned ON, and an		
			error detection signal (24V cut off)		
			is detected.		
		C-4302	The blowout of ICP for the write		
		U-4302	unit cooling fan /1 (FM5) in the AC		
			drive board (ACDB) is checked.		
			An abnormal condition occurs		
			with the FM5 EM signal a speci-		
			fied period of time after FM5 turns		
			ON. This abnormal condition		
			recurs even a specified period of		
			time after FM5 is turned OFF and		
			then turned ON, and an error		
			detection signal (blowout of ICP)		
			is detected.		
		C-4303	The rotation of the write unit cool-		
		0 1000	ing fan /1 (FM5) is checked.		
			An abnormal condition occurs		
			with the FM5 EM signal a speci-		
			fied period of time after FM5 turns		
			ON. This abnormal condition		
			recurs even a specified period of		
			time after FM5 is turned OFF and		
			then turned ON, and an error		
			detection signal (24V cut off/		
			blowout of ICP) is not detected.		
		C-4304	When the print is started, an error		
		5 .55	detection signal of the writing		
			section cooling fan /1 (FM5) is		
			detected.		
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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oode	Causes	operation	Estimated abnormal parts
L	Fan	C-4305	The rotation of the write unit cool-	The main body	Confirmation of the wiring
Main body	abnor-	U-4305	ing fan /2 (FM8) is checked and	stops immedi-	Confirmation of the wiring harness and the connector
in b			, ,	·	
Ma	mality		the 24V power source is also	ately to turn OFF	Write unit cooling fan /2
			checked. An abnormal condition	the main relay	(FM8)
			occurs with the FM8 EM signal a	(RL1).	AC drive board (ACDB)
			specified period of time after the		DC power supply /2
			write unit cooling fan /2 (FM8)		(DCPS2)
			turns ON. This abnormal condi-		
			tion recurs even a specified		
			period of time after FM8 is turned		
			OFF and then turned ON, and an		
			error detection signal (24V cut off)		
		_	is detected.		
		C-4306	The blowout of ICP for the write		
			unit cooling fan /2 (FM8) in the AC		
			drive board (ACDB) is checked.		
			An abnormal condition occurs		
			with the FM8 EM signal a speci-		
			fied period of time after the write		
			unit cooling fan /2 (FM8) turns		
			ON. This abnormal condition		
			recurs even a specified period of		
			time after FM8 is turned OFF and		
			then turned ON, and an error		
			detection signal (blowout of ICP) is detected.		
		C-4307	The rotation of the write unit cool-		
			ing fan /2 (FM8) is checked.		
			An abnormal condition occurs		
			with the FM8 EM signal a speci-		
			fied period of time after the write		
			unit cooling fan /2 (FM8) turns		
			ON. This abnormal condition		
			recurs even a specified period of		
			time after FM8 is turned OFF and		
			then turned ON, and an error		
			detection signal (24V cut off/		
		0.4000	blowout of ICP) is not detected.		
		C-4308	When the print is started, an error		
			detection signal of the writing		
			section cooling fan /2 (FM8) is		
			detected.		

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Fan abnor-mality	C-4310	The rotation of the cooling fan /4 (FM12) is checked and the 24V power source is also checked. An abnormal condition occurs with the FM12 EM signal a specified period of time after FM12 turns ON. This abnormal condition recurs even a specified period of time after FM12 is turned OFF and then turned ON, and an error detection signal (24V cut off) is detected. The blowout of ICP for the cooling fan /4 (FM12) in the AC drive board (ACDB) is checked. An abnormal condition occurs with the FM12 EM signal a specified period of time after FM12 turns ON. This abnormal condition recurs even a specified period of time after FM12 is turned OFF and then turned ON, and an error detection signal (blowout of ICP) is detected. Rotation of the cooling fan /4 (FM12) is checked. An abnormal condition occurs with the FM12 EM signal a specified period of time after FM12 turns ON. This abnormal condition recurs even a specified period of time after FM12 turns ON. This abnormal condition recurs even a specified period of time after FM12 turns ON. This abnormal condition recurs even a specified period of time after FM12 is turned OFF and then turned ON, and an error detection signal (24V cut off/blowout of ICP) is not detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Cooling fan /4 (FM12) AC drive board (ACDB) DC power supply /2 (DCPS2)
		C-4312	The rotation of the polygon cooling fan (FM9) is checked and the 24V power source is also checked. An abnormal condition occurs with the FM9 EM signal a specified period of time after FM9 is turned ON. This abnormal condition recurs even a specified period of time after FM9 is turned OFF and then turned ON, and an error detection signal (24V cut off) is detected.		Confirmation of the wiring harness and the connector Polygon cooling fan (FM9) AC drive board (ACDB) Printer control board (PRCB) DC power supply /2 (DCPS2)

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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			·	
Main body	tion Fan abnor- mality	C-4313	The blowout of ICP for the polygon cooling fan (FM9) in the AC drive board (ACDB) is checked. An abnormal condition occurs with the FM9 EM signal a specified period of time after FM9 turns ON. This abnormal condition recurs even a specified period of time after FM9 is turned OFF and then turned ON, and an error detection signal (blowout of ICP) is detected. The rotation of the polygon cooling fan (FM9) is checked. An abnormal condition occurs with the FM9 EM signal a specified period of time after FM9 turns ON. This abnormal condition recurs even a specified period of	operation The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Polygon cooling fan (FM9) AC drive board (ACDB) Printer control board (PRCB) DC power supply /2 (DCPS2)
		C-4315#	time after FM9 is turned OFF and then turned ON, and an error detection signal (24V cut off/blowout of ICP) is not detected. When the print is started, an error detection signal of the polygon cooling fan (FM9) is detected.	Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	
	Image pro- cess- ing abnor- mality	C-4701*	FIFO address abnormality for the printer. While in the image write, the expansion processing of image data that is read in is not correctly terminated. An error interrupt occurs with the compression/expansion chip FIFO.	If there is a sheet of paper being printed, the main body completes the paper exit before stopping operations. The main relay (RL1) is turned OFF.	Confirmation of the wiring harness and the connector Overall control board (OACB) → Gate array damaged

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Code	Causes	operation	LStimated abnormal parts
		C-4703*	Clangation abnormality	If there is a	Confirmation of the wiring
Main body	Image	0-4703	Elongation abnormality.	sheet of paper	Confirmation of the wiring harness and the connector
in b	pro-				
Ma	Cess-			being printed,	Overall control board (OACB)
	ing			the main body	→ Gate array damaged
	abnor-			completes the	
	mality	C-4704*	While in the execution of APC, no	paper exit	Confirmation of the wiring
			change is found in the output of	before stopping	harness and the connector
			the index sensor.	operations. The	Overall control board (OACB)
				main relay (RL1)	Write unit
				is turned OFF.	DC power supply /1
					(DCPS1)
		C-4705*	While in the image write, the		Confirmation of the wiring
			expansion processing from the		harness and the connector
			memory to the printer does not		Overall control board (OACB)
			terminate within a specified		Printer control board (PRCB)
			period of time. The output from		
			the page memory to the printer		
			does not terminate within a spec-		
			ified period of time. The PVV is		
			not detected within a specified		
			period of time.		
		C-4706*	When writing images, in spite of		Confirmation of the wiring
			no resource provided, an inap-		harness and the connector
			propriate processing such as an		Reinstalling firmware
			access to the elongation device is		Overall control board (OACB)
			made.		Printer control board (PRCB)
		C-4707*	While in the image write, APC is		Confirmation of the wiring
			not applicable for the correction		harness and the connector
			of the sub scan beam. Due to the		Overall control board (OACB)
			12V DC power for the laser drive		Write unit
			not supplied, the MPC being		DC power supply /1
			wrong and the laser defective, the		(DCPS1)
			laser does not light up. Also, due		
			to the rotation of the polygon mir-		
			ror unavailable, the displacement		
			of the index sensor, and the index		
			sensor being defective, the index		
			sensor cannot detect the laser.		
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CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	mage pro- cess-	C-4708*	When accessing to the memory device, a defective software is detected.	If there is a sheet of paper being printed,	Confirmation of the wiring harness and the connector Reinstalling firmware
2	ing abnor- mality	C-4709*	The expansion processing from the memory to the page memory is not terminated within a specified period of time. The compression processing from the page memory to the memory is not terminated within a specified period of time. The development from the memory into the page memory is not terminated within a specified period of time. The transmission of the compressed data from memory to memory is not terminated within a specified period of time.	the main body completes the paper exit before stopping operations. The main relay (RL1) is turned OFF.	Overall control board (OACB) Printer control board (PRCB)
		G-4721#	The print operation starts before the paper mis-centering adjust- ment is terminated. (The mis-cen- tering adjustment is too late.)	Error code is not displayed on the operation panel, but displayed	Confirmation of the wiring harness and the connector Centering sensor (PS1) ADU drive board (ADUDB)
		C-4722#	A PWM gamma curve is not created properly.	only on the data collection, the list output and CSRC.	Cleaning of the IDC sensor Confirmation of the wiring harness and the connector IDC sensor board (IDCB) Printer control board (PRCB)
	Com- muni- cation abnor- mality	C-5010#	Communication error check between OACB/PRCB. Overall control board (OACB) communi- cation serial reception error detection abnormality.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Overall control board (OACB) Printer control board (PRCB)
	Motor abnor- mality	C-5101	A speed error signal of the fusing motor (M1) is checked. An error detection signal is detected twice in succession a specified period of time after M1 turns ON. (The first signal is ignored.)		Confirmation of the wiring harness and the connector Fusing motor (M1) Printer control board (PRCB) DC power supply /2 (DCPS2)

CI	Classifica- Code Causes		Causas	Resulting	Estimated abnormal parts
	tion	Oodo	Caases	operation	Lournated abnormal parts
Main body	Count	C-5102#	The 24V power source for the total counter (TCT) is checked.	Error code is not displayed on the	Confirmation of the wiring harness and the connector
Maj	abnor-		When TCT is turned ON from	operation panel,	Total Counter (TCT)
	mality		OFF, an error detection signal	but displayed	AC drive board (ACDB)
			(blowout of ICP/24V cut off) is detected.	only on the data collection, the	DC power supply /2 (DCPS2)
		C-5103#	The blowout of ICP for TC in the	list output and	(DOI 02)
		U-5105#	AC drive board (ACDB) is	CSRC. How-	
			checked. When the total counter	ever, the counter	
			(TCT) is turned ON from OFF, an	does not oper-	
			error detection signal (blowout of	ate.	
			ICP) is detected. However, an		
			error detection signal (24V cut off)		
			is not detected.		
		C-5104#	The 24V power source for the key		Confirmation of the wiring
			counter (KCT) is checked. When		harness and the connector
			KCT is turned ON from OFF, an		Key counter (KCT)
			error detection signal (blowout of		AC drive board (ACDB)
			ICP/24V cut off) is detected.		DC power supply /2
	Power	C-5105#	The blowout of ICP for KCT in the		(DCPS2)
	abnor-		AC drive board (ACDB) is		
	mality		checked. When the key counter		
			(KCT) is turned ON from OFF, an		
			error detection signal (blowout of		
			ICP) is detected. However, an		
			error detection signal (24V cut off)		
	_	0.5007	is not detected.		
	Fan	C-5301	The rotation of the cooling fan /1	The main body	Confirmation of the wiring
	abnor- mality		(FM26) and /2 (FM27) is checked, and the 24V power source is also	stops immedi- ately to turn OFF	harness and the connector Cooling fan /1 (FM26)
	mailly		checked. An abnormal condition	the main relay	Cooling fan /2 (FM27)
			occurs with the FM26 and FM27	(RL1).	AC drive board (ACDB)
			EM signals a specified period of	(1 (= 1).	Printer control board (PRCB)
			time after FM26 and FM27 are		DC power supply /2
			turned ON. This abnormal condi-		(DCPS2)
			tion recurs even a specified		(= - : - =)
			period of time after FM26 and		
			FM27 are turned OFF and then		
			ON again, and an error detection		
			signal (24V cut off) is detected.		
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Ci	assifica- tion	Code	Causes	Resulting operation	Estimated abnormal parts
Main body	Fan abnor- mality	C-5302	The rotation of the cooling fan /1 (FM26) and /2 (FM27) is checked. An abnormal condition occurs with the FM26 and FM27 EM signals a specified period of time after FM26 and FM27 are turned ON. This abnormal condition recurs even a specified period of time after FM26 and FM27 are turned OFF and then ON again, and an error detection signal (24V cut off) is not detected.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Cooling fan /1 (FM26) Cooling fan /2 (FM27) AC drive board (ACDB) Printer control board (PRCB) DC power supply /2 (DCPS2)
		C-5303#	The blowout of ICP for the cooling fan /1 (FM26) is checked. An abnormal condition occurs with the FM26 EM signal a specified period of time after FM26 is turned ON. This abnormal condition recurs even a specified period of time after FM26 is turned OFF and then ON again, and an error detection signal (blowout of ICP) is detected. Rotation of the cooling fan /1 (FM26) is checked. An abnormal condition occurs with the FM26 EM signal a specified period of time after FM26 is turned ON. This abnormal condition recurs even a specified period of time after FM26 is turned OFF and then ON again, and an error detection signal (blowout of ICP) is not detected.	The cooling fan / 1 (FM26) stops. Operate only cooling fan /2 (FM27). Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	Confirmation of the wiring harness and the connector Cooling fan /1 (FM26) AC drive board (ACDB) Printer control board (PRCB)
		C-5305#	The blowout of ICP for the cooling fan /2 (FM27) is checked. An abnormal condition occurs with the FM27 EM signal a specified period of time after FM27 is turned ON. This abnormal condition recurs even a specified period of time after FM27 is turned OFF and then ON again, and an error detection signal (blowout of ICP) is detected.	The cooling fan / 2 (FM27) stops. Operate only cooling fan /1 (FM26). Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	Confirmation of the wiring harness and the connector Cooling fan /2 (FM27) AC drive board (ACDB) Printer control board (PRCB)

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	assifica-	Codo	Causas	Dogulting	Estimated abnormal parts
		Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Fan abnor- mality	C-5306#	Rotation of the cooling fan /2 (FM27) is checked. An abnormal condition occurs with the FM27 EM signal a specified period of time after FM27 is turned ON. This abnormal condition recurs even a specified period of time after FM27 is turned OFF and then ON again, and an error detection signal (blowout of ICP) is not detected.	The cooling fan /2 (FM27) stops. Operate only cooling fan /1 (FM26). Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	Confirmation of the wiring harness and the connector Cooling fan /2 (FM27) AC drive board (ACDB)
		C-5307# C-5308	The rotation of the cooling fan /3 (FM6) is checked and +24V power source is also checked. An abnormal condition occurs with the FM6 EM signal a specified period of time after FM6 turns ON. This abnormal condition recurs even a specified period of time after FM6 is turned OFF and then turned ON, and an error detection signal (24V cut off) is detected. The blowout of ICP for the cooling fan /3 (FM6) in the AC drive board (ACDB) is checked. An abnormal condition occurs with the FM6 EM signal a specified period of time after FM6 turns ON. This abnormal condition recurs even a specified period of time after FM6 is turned OFF and then turned ON, and an error detection signal (blowout of ICP) is detected. Rotation of the cooling fan /3 (FM6) is checked. An abnormal condition occurs with the FM6 EM signal a specified period of time after FM6 turns ON. This abnormal condition recurs even a specified period of time after FM6 turns ON. This abnormal condition occurs with the FM6 EM signal a specified period of time after FM6 turns ON. This abnormal condition recurs even a specified period of time after FM6 turns ON. This abnormal condition recurs even a specified period of time after FM6 is turned OFF and then turned ON, and an error detection signal (24V cut off/blowout of ICP) is not detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Cooling fan /3 (FM6) AC drive board (ACDB) Printer control board (PRCB) DC power supply /2 (DCPS2)

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion Fan	C-5310	When the print is started, an error	operation Error code is not	Confirmation of the wiring
Main body	abnor- mality	0-3310	detection signal of the cooling fan /1 (FM26) or the cooling fan /2 (FM27) is detected.	displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	harness and the connector Cooling fan /1 (FM26) Cooling fan /2 (FM27) AC drive board (ACDB) Printer control board (PRCB)
		C-5311	When the print is started, an error detection signal of the cooling fan /3 (FM6) is detected.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Cooling fan /3 (FM6) AC drive board (ACDB) Printer control board (PRCB)
	ADU stand abnor- mality	C-5312	An abnormal condition occurs with the FM10 EM signal a specified period of time after the ADU cooling fan /1 (FM10) is turned ON. This abnormal condition recurs even a specified period of time after FM10 is turned OFF and then ON again, and an error detection signal (24V cut off) is detected.		Confirmation of the wiring harness and the connector ADU cooling fan /1 (FM10) ADU drive board (ADUDB) DC power supply /2 (DCPS2)
		C-5313	Rotation of the ADU cooling fan / 1 (FM10) is checked. An abnormal condition occurs with the FM10 EM signal a specified period of time after FM10 is turned ON. This abnormal condition recurs even a specified period of time after FM10 is turned OFF and then ON again, and an error detection signal (24V cut off) is not detected.		
		C-5314	An abnormal condition occurs with the FM11 EM signal a specified period of time after the ADU cooling fan /2 (FM11) is turned ON. This abnormal condition recurs even a specified period of time after FM11 is turned OFF and then ON again, and an error detection signal (24V cut off) is detected.		Confirmation of the wiring harness and the connector ADU cooling fan /2 (FM11) ADU drive board (ADUDB) DC power supply /2 (DCPS2)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Codo	Cadooo	operation	Lotinated abnormal parts
Main body	ADU stand abnormality	C-5316 C-5317	Rotation of the ADU cooling fan / 2 (FM11) is checked. An abnormal condition occurs with the FM11 EM signal a specified period of time after FM11 is turned ON. This abnormal condition recurs even a specified period of time after FM11 is turned OFF and then ON again, and an error detection signal (24V cut off) is not detected. An abnormal condition occurs with the FM23 EM signal a specified period of time after the ADU cooling fan /4 (FM23) is turned ON. This abnormal condition recurs even a specified period of time after FM23 is turned OFF and then ON again, and an error detection signal (24V cut off) is detected. Rotation of the ADU cooling fan / 4 (FM23) is checked. An abnormal condition occurs with the FM23 EM signal a specified period of time after FM23 is turned ON. This abnormal condition recurs even a specified period of time after FM23 is turned ON. This abnormal condition recurs even a specified period of time after FM23 is turned OFF and then ON again, and an error detection signal (24V cut off) is not detected.	The main body stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector ADU cooling fan /2 (FM11) ADU drive board (ADUDB) DC power supply /2 (DCPS2) Confirmation of the wiring harness and the connector ADU cooling fan /4 (FM23) ADU drive board (ADUDB) DC power supply /2 (DCPS2)
		C-5318	An abnormal condition occurs with the FM25 EM signal a specified period of time after the ADU cooling fan /5 (FM25) is turned ON. This abnormal condition recurs even a specified period of time after FM25 is turned OFF and then ON again, and an error detection signal (24V cut off) is detected.		Confirmation of the wiring harness and the connector ADU cooling fan /5 (FM25) ADU drive board (ADUDB) DC power supply /2 (DCPS2)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oodo	Cadoco	operation	Lottinatod abriormai parto
	ADU	C-5319	Rotation of the ADU cooling fan /	The main body	Confirmation of the wiring
Main body	stand	0-0019		stops immedi-	harness and the connector
d H			5 (FM25) is checked.	· ·	
Maj	abnor-		An abnormal condition occurs	ately to turn OFF	ADU cooling fan /5 (FM25)
	mality		with the FM25 EM signal a speci-	the main relay	ADU drive board (ADUDB)
			fied period of time after FM25 is	(RL1).	DC power supply /2
			turned ON. This abnormal condi-		(DCPS2)
			tion recurs even a specified		
			period of time after FM25 is		
			turned OFF and then ON again,		
			and an error detection signal (24V		
			cut off) is not detected.		
		C-5320	An abnormal condition occurs		Confirmation of the wiring
			with the FM18 EM signal a speci-		harness and the connector
			fied period of time after the cool-		Cooling fan /5 (FM18)
			ing fan /5 (FM18) is turned ON.		Printer control board (PRCB)
			This abnormal condition recurs		DC power supply /2
			even a specified period of time		(DCPS2)
			after FM18 is turned OFF and		
			then ON again, and an error		
			detection signal (24V cut off) is		
			detected.		
		C-5321	The blowout of ICP for the cool-		
			ing fan /5 (FM18) is checked.		
			An abnormal condition occurs		
			with the FM18 EM signal a speci-		
			fied period of time after FM18 is		
			turned ON. This abnormal condi-		
			tion recurs even a specified		
			period of time after FM18 is		
			turned OFF and then ON again,		
			and an error detection signal		
			(blowout of ICP) is detected.		
		C-5322	Rotation of the cooling fan /5		
		0 0022	(FM18) is checked.		
			An abnormal condition occurs		
			with the FM18 EM signal a speci-		
			fied period of time after FM18 is		
			turned ON. This abnormal condi-		
			tion recurs even a specified		
			period of time after FM18 is		
			turned OFF and then ON again,		
			and an error detection signal (24V		
			cut off) is not detected.		
			out only is not detected.		

abnormality abnormality cooling fan /3 (FM32) is checked. An abnormal condition occurs with the FM32 EM signal a specified period of time after FM32 is stops immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Power supply cooling fan /3 (FM32) DC power supply /2 (DCPS2)
Fan abnormal condition occurs with the FM32 EM signal a specified period of time after FM32 is turned ON. This abnormal condition occurs even a specified period of time after FM32 is turned OFF and then ON again,	harness and the connector Power supply cooling fan /3 (FM32) DC power supply /2
abnormality cooling fan /3 (FM32) is checked. An abnormal condition occurs with the FM32 EM signal a specified period of time after FM32 is turned ON. This abnormal condition recurs even a specified period of time after FM32 is turned OFF and then ON again,	harness and the connector Power supply cooling fan /3 (FM32) DC power supply /2
with the FM32 EM signal a specified period of time after FM32 is turned ON. This abnormal condition recurs even a specified period of time after FM32 is turned OFF and then ON again,	Power supply cooling fan /3 (FM32) DC power supply /2
with the FM32 EM signal a specified period of time after FM32 is turned ON. This abnormal condition recurs even a specified period of time after FM32 is turned OFF and then ON again,	(FM32) DC power supply /2
fied period of time after FM32 is turned ON. This abnormal condition recurs even a specified period of time after FM32 is turned OFF and then ON again,	DC power supply /2
turned ON. This abnormal condition recurs even a specified period of time after FM32 is turned OFF and then ON again,	
tion recurs even a specified period of time after FM32 is turned OFF and then ON again,	(DCF52)
period of time after FM32 is turned OFF and then ON again,	
turned OFF and then ON again,	
and an end detection signal (24v	
cut off) is not detected.	
	Confirmation of the wiring
	harness and the connector
	Scanner motor (M13)
	Scanner home sensor (PS5)
	Scanner drive board (SDB)
	Printer control board (PRCB)
	DC power supply /2
	(DCPS2)
Fan C-6301 The rotation of the scanner cool-	Confirmation of the wiring
	harness and the connector
	Scanner cooling fan (FM7)
	Scanner drive board (SDB)
	Printer control board (PRCB)
specified period of time after FM7	DC power supply /2
turns ON. This abnormal condi-	(DCPS2)
tion recurs even a specified	
period of time after FM7 is turned	
OFF and then turned ON, and an	
error detection signal (24V cut off)	
is detected.	
Image C-6701* When processing images, a filter If there is a	Confirmation of the wiring
pro- coefficient cannot be created nor- sheet of paper	harness and the connector
cess- mally. being printed,	Reinstalling firmware
	Overall control board (OACB)
abnor- completes the	
mality paper exit	
before stopping	
operations. The	
main relay (RL1)	
is turned OFF.	

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Cla	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Image	C-6702*	FIFO address abnormality for the	If there is a	Confirmation of the wiring
n b	pro-		scanner.	sheet of paper	harness and the connector
Maj	cess-		While in the image read, the com-	being printed,	Overall control board (OACB)
	ing		pression of image data that is	the main body	(Gate array damaged)
	abnor-		read in is not correctly termi-	completes the	
	mality		nated.	paper exit	
		C-6703*	After negation of SVV, the com-	before stopping	
			pression of images that are read	operations. The	
			in and their development into the	main relay (RL1)	
			page memory are not terminated	is turned OFF.	
			within a specified period of time.		
		C-6704*	While in the image read, the com-		Confirming the DF operation
			pression processing from the		Confirmation of the wiring
			scanner into the memory does		harness and the connector
			not terminate within a specified		Overall control board (OACB)
			period of time. The development		Printer control board (PRCB)
			from the scanner into the page		
			memory does not terminate		
			within a specified period of time.		
			The SVV is not detected within a		
			specified period of time.		
		C-6705*	When reading images, in spite of		Confirmation of the wiring
			no resource provided, an inap-		harness and the connector
			propriate processing such as an		Reinstalling firmware
			access to the compression		Overall control board (OACB)
			device is made.		
		C-6706*	While in the image read, SVV		Confirmation of the wiring
			does not turn OFF within a speci-		harness and the connector
			fied period of time and the prepa-		Overall control board (OACB)
			ration for scanning the next page		
			cannot be started.		
		C-6707*	Shading correction abnormality		Confirmation of the wiring
			(GA abnormality).		harness and the connector
					Reinstalling firmware
					Overall control board (OACB)
				1	

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Code	Causes	operation	LStimated abnormal parts
		C 6709*	ACC/ACC adjustment abnormality	·	1 CCD related parts
Main body	Image pro- cess- ing abnor- mality	C-6708*	AOC/AGC adjustment abnormality. The light blocking cover at the read section and the lens cover are removed. The connector of the CCD board is disconnected. The power cable of the CCD board is unplugged. The ICP of the CCD board is cut off. The light volume of the exposure lamp is excessive. The exposure lamp does not light up.	If there is a sheet of paper being printed, the main body completes the paper exit before stopping operations. Immediately to turn OFF the main relay (RL1).	1. CCD related parts Confirmation of the wiring harness and the connector CCD board (CCDB) Overall control board (OACB) 2. Exposure lamp related parts Confirmation of the wiring harness and the connector Exposure lamp (L4) L4 inverter (L4INVB) Scanner drive board (SDB)
		C-6709#	The adjustment data evacuated	Error code is not	Confirmation of the wiring
		0 07 00#	by resolutions is not available.	displayed on the	harness and the connector
		C-6710#	A density conversion gamma curve cannot be created normally.	operation panel, but displayed only on the data collection, the list output and CSRC.	Overall control board (OACB)
		C-6711*	Calibration start abnormality.	If there is a	Confirmation of the wiring
		C-6712*	Calibration completion abnormality.	sheet of paper	harness and the connector
		C-6713*	minated, the initial sampling of the APC is attempted. the main bod completes the main bod	being printed, the main body completes the	Reinstalling firmware Overall control board (OACB)
		C-6714*	While executing the APC, the execution of the MPC is attempted.	before stopping operations.	
		C-6716*	When a clock for the image write is abnormal, the sub scan beam interval is attempted to be corrected.		
		C-6717* Sequentially shot page area abnormality. Due to an image area abnormality on the memory, images cannot be developed on the memory.			
		C-6718*	The PVV is turned ON before the initial APC start processing is completed.		Confirmation of the wiring harness and the connector Reinstalling firmware Write unit Overall control board (OACB) Printer control board (PRCB)

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Image pro- cess- ing abnor- mality	C-6719*	The scan operation starts before the original skew adjustment is terminated. (The skew adjustment is too late.) The AGC is retried due to the decreased light volume of the exposure lamp. However, no error occurs.	Error code is not displayed on the operation panel, but displayed only on the data collection, the list output and CSRC.	Confirming the DF operation Confirmation of the wiring harness and the connector Original skew sensor /Rr (PS311: DF) Original skew sensor /Rr (PS312: DF) Overall control board (OACB) Confirmation of the wiring harness and the connector Exposure lamp (L4) L4 inverter (L4INVB)
		C-6723*	Due to the paper skew correction amount being in excess of the permissible limit, the print is made with the leading edge shifted.		Scanner drive board (SDB) Confirming the DF operation Confirmation of the wiring harness and the connector Original skew sensor /Rr (PS311: DF) Original skew sensor /Rr (PS312: DF) Overall control board (OACB)
	Com- muni- cation abnor- mality	C-6801	A communication error between OACB and OB1 is checked.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Operation board /1 (OB1) Operation board /3 (OB3) Overall control board (OACB)
DF	DF abnor- mality	C-8001*	Although the main body sends out data according to the data retransmission request made by the DF, a retransmission request signal is received again.	If there is a sheet of paper being printed, the main body and the DF completes the paper exit before stopping operations. Immediately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector DF control board (DFCB: DF) Overall control board (OACB: main body)

CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Oode	Causes	operation	Latimated apriormal parts
11	DF	C-8002*	When a checksum error or an	If there is a	Confirmation of the wiring
P	abnor-	0-0002	SRGA reception error was	sheet of paper	harness and the connector
	mality		detected while in the reception in	being printed,	DF control board (DFCB: DF)
	Triality		serial communication, a signal	the main body	Overall control board (OACB:
			was sent to make a request for	and the DF	main body)
			sending data again. And when	completes the	Thair body)
			data is being received upon this	paper exit	
			request, a checksum error or an	before stopping	
			SRGA reception error is detected	operations.	
			again.	Immediately to	
		C-8003*	When the main power switch	turn OFF the	Confirmation of the wiring
			(SW1) is ON, there is no response	main relay (RL1).	harness and the connector
			to the initial communication		DF control board (DFCB)
			request from the main body to		,
			the DF even after a specified		
			period of time elapses.		
		C-8201	Tray up/down motor (M303)		Confirmation of the wiring
			abnormality.		harness and the connector
			,		Confirmation of the original
					tray up/down drive parts
					Tray up/down motor (M303)
					DF control board (DFCB)
		C-8301	Cooling fan (FM301) abnormality.		Confirmation of the wiring
					harness and the connector
					Cooling fan (FM301)
					DF control board (DFCB)
		C-8401	Original registration sensor		Confirming the sensor oper-
			(PS306) abnormality.		ation
					Confirmation of the wiring
					harness and the connector
					Original registration sensor
					(PS306)
					DF control board (DFCB)
		C-8402	Original conveyance sensor]	Confirming the sensor oper-
			(PS308) abnormality.		ation
					Confirmation of the wiring
					harness and the connector
					Original conveyance sensor
					(PS308)
					DF control board (DFCB)

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
FIG. 10 PE	DF abnor- mality	C-8404 C-8405	Original reverse sensor (PS309) abnormality. Non-volatile memory error. Reverse jam sensor (PS304) abnormality. Original reverse/exit sensor (PS313) abnormality.	If there is a sheet of paper being printed, the main body and the DF completes the paper exit before stopping operations. Immediately to turn OFF the main relay (RL1).	Confirming the sensor operation Confirmation of the wiring harness and the connector Original reverse sensor (PS309) DF control board (DFCB) Confirmation of the wiring harness and the connector DF control board (DFCB) Confirming the sensor operation Confirmation of the wiring harness and the connector Reverse jam sensor (PS304) DF control board (DFCB) Confirming the sensor operation Confirming the sensor operation Confirming the sensor operation Confirming the sensor operation Confirmation of the wiring harness and the connector Original reverse/exit sensor (PS313) DF control board (DFCB)
<u></u>	Com-	C-A001	DMA abnormality.	The main body	_
Main body	muni- cation abnor- mality	C-A002	HDD/2 (HDD2) abnormality. IC cooling fan (FM28) abnormality.	stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector HDD/2 (HDD2) PCI relay board (PCIRB) IC board (ICB) Overall control board (OACB) Confirmation of the wiring harness and the connector IC cooling fan (FM28)
		C-A004	FATAL error.		PCI relay board (PCIRB) IC board (ICB) Overall control board (OACB)

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Classifica-		Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Com- muni- cation abnor- mality	C-A005 C-A006 *1 C-A007 *1	The CF card in ICB is different from the program version of the HDD/2 (HDD2). While in the security ON, the unlock of the HDD/2 (HDD2) results in failure. (Due to the mismatch of the password) While in the security ON, an unlocked HDD is connected.	The main body stops immedi- ately to turn OFF the main relay (RL1).	Reinstalling IC firmware IC board (ICB) Confirmation of the wiring harness and the connector HDD/2 (HDD2) IC board (ICB)
		C-A008	An unformatted HDD/2 (HDD2) is detected. The communication from ICB to the overall control board (OACB) is blocked.		Confirmation of the wiring harness and the connector Hard disk format HDD/2 (HDD2) Confirmation of the wiring harness and the connector PCI relay board (PCIRB) IC board (ICB) Overall control board (OACB)

^{*1} Since this is a security-related error code, be sure to contact KMBT before taking any measure.

Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
Main body	Com- muni- cation abnor- mality	C-C101*	Initial communication error between OACB/PRCB. When the main power switch (SW1) is turned ON, a response from the printer control board (PRCB) is not received even after a specified period of time elapses. Communication error between	The main body stops immedi- ately to turn OFF the main relay (RL1).	Confirmation of the wiring harness and the connector Overall control board (OACB) Printer control board (PRCB)
		C-C103*	OACB/PRCB. Communication error between OACB/OB1.		Confirmation of the wiring harness and the connector Operation board /1 (OB1) Operation board /3 (OB3) Overall control board (OACB)
	ISW abnor- mality	C-C104*	When the main power switch (SW1) is ON, a region into which no write was made by the ISW is detected in the printer control program.		S and CA program
		C-C106	While in the data transmission by the ISW, a formal header information cannot be received within a specified period of time.		USB cable USB port on PC
		C-C107	While in the data transmission by the ISW, a checksum error or header error is detected with the download data.		USB cable Program file corruption
		C-C108	When ISW transfers data, the data is not written into the flash ROM correctly.		USB cable The board to which the data is transferred.
		C-C109	When the main power switch (SW1) is ON, a region into which no write was made by the ISW is detected in the FS control program.		FS control program
		C-C117	When turning the sub power switch (SW2) ON, ISW unwritten area in the GP program was detected.		GP control firmware
		C-C119	When turning the sub power switch (SW2) ON, ISW unwritten area in the MK program was detected.		I/F board (IFB)





CI	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion	Code	Causes	operation	Estimated abnormal parts
	DF	C-C120	When the main power switch	If there is a	Confirmation of the wiring har-
DF	abnor-	0-0120	(SW1) is ON, a region into which	sheet of paper	ness and the connector
	mality		no write was made by the ISW is	being printed,	DF control board (DFCB: DF)
	mailly		detected in the DF control pro-	the main body	Overall control board (OACB:
			gram.	and the DF	main body)
			grain.	completes the	main body)
				paper exit	
				before stopping	
				operations.	
				Immediately to	
				turn OFF the	
				main relay (RL1).	
Ş	ISW	C-C125	When the main power switch	The main body	IC program
Main body	abnor-		(SW1) is ON, a region into which	stops immedi-	
aju	mality		no write was made by the ISW is	ately to turn OFF	
\geq			detected in the IC program.	the main relay	
	Image	C-D001	HDD/1 (HDD1) initialization	(RL1).	Confirmation of the wiring
	pro-		abnormality.		harness and the connector
	cess-		The HDD1 is defective, or the		Reinstalling firmware
	ing		connector is poorly connected.		HDD/1 (HDD1)
	abnor-	C-D002	The JOB information cannot be		Overall control board (OACB)
	mality		stored on the HDD/1 (HDD1).		
		C-D003	When HDD/1 (HDD1) JOB auto		
			deletion is being executed, a		
			route cannot be opened.		
		C-D004	HDD/1 (HDD1) access defective.		
			The HDD1 is defective, or the		
			connector is poorly connected.		
		C-D010	HDD overwrite erase is con-		_
			ducted.		
	Net-	C-D101	Tandem communication error]	Confirmation of the wiring
	work	C-D102	Tandem image transmission error		harness and the connector
	abnor-				Confirmation of the network
	mality				connection for tandem
					Confirmation of the tandem
					setting of both machine
					Overall control board (OACB)

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Cl	assifica-	Code	Causes	Resulting	Estimated abnormal parts
	tion			operation	
body	Image	C-E001*	The message queue is insufficient	If there is a	Confirmation of the wiring harness and the connector
	pro-		or destroyed.	sheet of paper	
Main	cess-	C-E002*	The parameter value is in excess	being printed,	PCI relay board (PCIRB)
_	ing		of the permissible limits.	the main body	IC board (ICB)
	abnor-	C-E003*	The ID of the task that sends the	completes the	Overall control board (OACB)
	mality		message queue is undefined.	paper exit	
		C-E004*	The receiving event of the mes-	before stopping	
			sage is undefined.	operations.	
		C-E005*	Memory access abnormality.	Immediately to turn OFF the	
		C-E006*	Header readout address abnormality.	main relay (RL1).	

C. Function to detach defective sections

For those abnormalities listed in the table below, defective units can be detached temporarily to use other control units manually. While detached, an error detection is not carried out on these detached units. There are 2 methods of setting for limited use.

(1) User operation

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When an error code occurs, press the HELP key following the message on the operation panel and then turn the sub power switch (SW2) OFF and ON. This allows you to use it temporarily until the main power switch (SW1) is OFF and ON (including an OFF/ON operation by the weekly timer) next time.

(2) DIPSW setting

Turning the main switch OFF and ON after setting the specified software DIPSW bit allows you to make a limited use of it until the bit setting is released next time (this requires the OFF/ON operation of the main power switch (SW1)).

Classifi-	Error code	Description	Control while detached	DIPSW
cation				
LU	C-0102	Paper feed motor (M101)	Paper feed in LU is unavailable	DIPSW18-3
		abnormality	(LU connection is not recognized)	
Main	C-0210	Paper lift motor /1 (M19) abnor-	Paper feed in tray 1 is unavailable	DIPSW18-0
body		mality	(There remains no paper, and on the	
			operation panel, the tray 1 is displayed	
			in hatching.)	
	C-0220	Paper lift motor /2 (M20) abnor-	Paper feed in tray 2 is unavailable	DIPSW18-1
		mality	(There remains no paper, and on the	
			operation panel, the tray 2 is displayed	
			in hatching.)	
	C-0230	Paper lift motor /3 (M21) abnor-	Paper feed in tray 3 is unavailable	DIPSW18-2
		mality	(There remains no paper, and on the	
			operation panel, the tray 3 is displayed	
			in hatching.)	
LU	C-0240	Paper lift motor (M100) abnor-	Paper feed in LU is unavailable	DIPSW18-3
		mality	(LU connection is not recognized)	
PK, ZU	C-1047	Punch motor (M801) abnormal-	Punch mode unavailable	DIPSW19-5
		ity (PK)	(PK and ZU connections are not rec-	
		Punch shift motor (M802)	ognized)	
		abnormality (PK)		
		Punch motor (M4) abnormality (ZU) Punch shift motor (M5) abnor-		
		mality (ZU)		
FS	C-1122	Folding drive abnormality	Folding, saddle stitching, and trimming	DIPSW18-5
ГО		Folding drive abnormality	mode unavailable	DIF3W10-5
	C-1125		(FS and TU connections are not recog-	
	C-1126		nized)*1	
TU	C-1131	TU drive abnormality		
	to 1137			
PI	C-1141	PI drive abnormality	The use of PI section is unavailable	DIPSW18-6
	to 1143		(PI connection is not recognized)	

Classifi-	Error code	Description	Control while detached	DIPSW
cation				
PK, ZU	C-1144	Punch motor (M801) abnormal-	Punch mode unavailable	DIPSW19-5
		ity (PK)	(PK and ZU connections are not rec-	
		Punch shift motor (M802)	ognized)	
		abnormality (PK)		
		Punch motor (M4) abnormality (ZU)		
		Punch shift motor (M5) abnor-		
		mality (ZU)		
ZU	C-1152	1st stopper motor (M2) abnormality	Z-folding mode unavailable	DIPSW19-4
	C-1153	2nd stopper motor (M3) abnormality	(ZU connection is not recognized)	
		Conveyance motor cooling fan		
		(M10) abnormality		
PK, ZU	C-1155	Punch motor (M801) abnormal-	Punch mode unavailable	DIPSW19-5
		ity (PK)	(PK and ZU connections are not rec-	
		Punch shift motor (M802)	ognized)	
		abnormality (PK)		
		Punch motor (M4) abnormality (ZU)		
		Punch shift motor (M5) abnor-		
		mality (ZU)		
DF	C-8201	DF drive abnormality	DF mode unavailable	DIPSW18-4
	C-8301		(DF connection is not recognized)	
	C-8401			
	to 8406			
Main	C-D001	Hard disk /1, /2 (HDD1, HDD2)	The use of HDD1 and HDD2 is unavailable	DIPSW18-7
body	to D004	abnormality	(HDD1 and HDD2 are not connected)	

^{*1:} Each of FS and TU cannot be separated individually.

14.TROUBLES THAT DO NOT DISPLAY THE MALFUNCTION CODE

14.1 The power of main body does not turn ON

14.1.1 Turn ON the main power switch but the power LED of the operation panel does not light up in red.

Target parts for trouble			
Main power switch (SW1)	DC power supply /1 (DCPS1)		
Circuit breaker (CBR)	Overall control board (OACB)		
Noise filter /1 (NF1)			
Noise filter /2 (NF2)			

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	Disconnect the plug from the outlet. The voltage of the outlet is the power supply voltage. * Be sure not to overuse the power of the outlet including the other connected devices.	Main body 1/3 C-2	NO	Ask the administrator on the user side to check the state of the power of the outlet.
2	Wiring from the plug to CBR is connected properly.	Main body 1/3 C-2	NO	Check the wiring and repair it.
3	The switch of CBR is OFF.	-	YES	Go on to step 4.
			NO	Go on to step 5.
4	Turn ON the switch of CBR.	-	NO	Replace CBR
5	After checking that the plug is not connected to the outlet, scale the resistance value on both edge of the plug and it is 0.	Main body 1/3 C-2	YES	Check the cause of the short on the wiring from the plug to DCPS1.
6	Connect the plug to the outlet and find that any irregular sound from the machine or the error on the board does not occur.	-	NO	Remove the plug from the outlet and check the cause of the error.
7	CN2-1 voltage of DCPS1 is the power supply voltage.	Main body 1/3 C-14	NO	Check the voltage from CBR → NF1 → NF2 → SW1 → CN2 to check the cause of the trouble and repair it.
8	The fuse of DCPS1 has the conduction.	-	NO	Replace DCPS1
9	CN73-1 voltage of DCPS1 is DC12V.	Main body 1/3 C-15	NO	Replace DCPS1
10	CN72-1 to 3 voltage of DCPS1 is DC5V.	Main body 1/3 C-14	NO	Replace DCPS1

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Step	Check item	Location	Result	Action
		(Electrical parts)		
11	CN100-8 voltage of OACB is DC12V.	Main body 1/3	NO	Check the wiring
		F-3		from DCPS1 →
				OACB and repair it.
12	CN100-4 to 6 voltage of OACB is DC5V.	Main body 2/3	NO	Check the wiring
		F-3		from DCPS1 →
				OACB and repair it.
13	CN136-19, 20 voltage of OACB is DC5V.	Main body 2/3	YES	Check the wiring,
		F-7		Check the trouble
				inside the opera-
				tion panel,
				Replace the board
				in the repairing
				operation panel
			NO	Replace OACB

14.1.2 Turn ON the main power switch and the sub power switch, but the touch panel does not display anything.

• The power save LED is lighting/blinking, but the main power LED does not light in green (but lights in red).

Target parts for trouble		
Main power switch (SW1)	Overall control board (OACB)	

Step	Check item	Location (Electrical parts)	Result	Action
1	The power save LED blinks in green.	-	YES	Processing ISW Do not turn OFF the main power.
2	The power save LED blinks in orange.	-	YES	Reinstall the firm- ware because of the firmware error of the OACB board.
			NO	Check that "Turn ON the main power switch but the power LED of the operation panel does not light up in red."

14.1.3 Turn ON the sub power switch but the power LED does not switch from red to green.

Target parts for trouble		
Sub power switch (SW2)	Overall control board (OACB)	

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	The power LED is lighting in red.	-	NO	Refer to the main
				power switch
				related trouble
2	CN104-2 voltage of OACB changes from	Main body 2/3	YES	Replace OACB
	DC5V to DC0V by turning ON SW-2 from	F-3	NO	Check the wiring
	OFF.			between OACB $ ightarrow$
				SW2 and repair it.

TROUBLESHOOTING

14.2 The power is not supplied to DF-616.

Target parts	s for trouble
DC power supply /1 (DCPS1: main body)	DF control board (DFCB: DF)

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	CN1-3 voltage of DFCB is DC24V.	DF A-5	YES	Trouble in DF Confirmation of DFCB connector
			\ (50	Replace DFCB
2	CN74-2 voltage of DCPS1 is DC24V.	Main body 1/3	YES	Check the wiring
		C-17		from DCPS1 → DF
				and repair it.
			NO	Replace DCPS1

14.3 The power is not supplied to the paper feed option.

14.3.1 LU-407/408

Target parts for trouble		
DC power supply /2 (DCPS2: main body)	LU drive board (LUDB: LU)	

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	CN700-1 voltage of LUDB is DC24V.	LU E-3	NO	Trouble in LU Check the connector of LUDB Replace LUDB
2	CN12-2 voltage of DCPS2 is DC24V.	LU B-3	YES	Check the wiring from DCPS2 → LU and repair it. Replace DCPS2

TROUBLESHOOTING

14.4 The power is not supplied to the finisher option.

14.4.1 FS-528/611

Target parts for trouble			
DC power supply /1 (DCPS1: Main body) FS control board (FSCB: FS)			
Front door interlock switch (MS1: FS)			

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	The front door of FS is open.	-	YES	Close the front
				door.
2	CN6-1 voltage of FSCB is DC24V.	FS E-6	YES	Trouble in FS
				Confirmation of
				FSCB connector
				Replace FSCB
3	CN12-1 voltage of DCPS2 is DC24V.	FS F-6	YES	Check the wiring
				from DCPS2 → ZU
				ightarrow FS and repair it.
				Replace MS1
			NO	Replace DCPS2

14.4.2 ZU-607

Target parts for trouble			
Circuit breaker /1 (CBR1: ZU)	DC power supply (DCPS: ZU)		
Circuit breaker /2 (CBR2: ZU)	ZU control board (ZUCB: ZU)		
Noise filter (NF: ZU)	Door switch (MS1: ZU)		
Power relay /1 (RL/1: ZU)			
Power relay /2 (RL/2: ZU)			
Coil (L: ZU)			

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	The front door of ZU is open.	-	YES	Close the front
				door.
2	The voltage between CN1-1 and CN1-3 of ZUCB is DC5V.	ZU E-8	NO	Check the wiring between the main body and ZU and repair it.
3	Disconnect the plug of ZU from the outlet. The voltage of the outlet is the power supply voltage. * Be sure not to overuse the power of the outlet including the other connected devices.	-	NO	Ask the administrator on the user side to check the state of the power of the outlet.
4	Wiring from the plug of ZU to CBR1, CBR2 is connected properly.	-	NO	Check the wiring and repair it.
5	The switches of CBR1 and CBR2 are	ZU G-2	YES	Go on to step 6.
	OFF.		NO	Go on to step 7.
6	Turn ON the switches of CBR1 and CBR2.	ZU G-2	NO	Replace CBR1 and CBR2
7	After checking that the plug of ZU is not connected to the outlet, scale the resistance value on the both edge of the plug and it is 0.	-	YES	Check the cause of the short on the wiring from the plug to DCPS.
8	Connect the plug of ZU to the outlet and find that any irregular sound or the error on the board does not occur.	-	NO	Remove the plug from the outlet and check the cause of the error.
9	The voltage between RT6 and RT7 of DCPS is the power supply voltage.	ZU G-5	NO	Check the voltage from CBR1, CBR2 → NF → RL1, RL2 → MS1 → L to check the cause of the trouble and repair it.
10	The fuse of DCPS has the conduction.	-	NO	Replace DCPS
11	The voltage of CN2-1, 2 of ZUCB is	ZU F-5	YES	Replace ZUCB
	DC24V.		NO	Replace DCPS

14.4.3 TU-502

Target parts for trouble				
Circuit breaker (CBR: TU)	DC power supply (DCPS: TU)			
Relay /1 (RL/1:TU)	TU drive board (TUDB: TU)			
Relay /2 (RL/2:TU)				
Front door interlock switch (MS2: TU)				
Coil (Coil: TU)				

Step	Check item	Location	Result	Action
		(Electrical parts)		
1	The front door of TU is open.	-	YES	Close the front
				door.
2	CN401-B14 volt of TUDB is DC5V.	TU F-8	NO	Check the wiring
				between the main
				body and TU and
				repair it.
3	Disconnect the plug of TU from the outlet.	-	NO	Ask the administra-
	The voltage of the outlet is the power			tor on the user side
	supply voltage.			to check the state
	* Be sure not to overuse the power of the outlet including the other connected			of the power of the outlet.
	devices.			outiet.
4	Wiring from the plug of TU to CBR is		NO	Check the wiring
	connected properly.		110	and repair it.
5	The switch of CBR is OFF.	TU H-2	YES	Go on to step 6.
			NO	Go on to step 7.
6	Turn ON the switch of CBR.	TU H-2	NO	Replace CBR
7	After checking that the plug of TU is not	-	YES	Check the cause of
	connected to the outlet, scale the resis-			the short on the
	tance value on the both edge of the plug			wiring from the
	and it is 0.			plug to DCPS.
8	Connect the plug of TU to the outlet and	-	NO	Remove the plug
	find that any irregular sound or the error			from the outlet and
	on the board does not occur.			check the cause of
				the error.
9	The voltage between L and N of DCPS is	TU H-5	NO	Check the voltage
	the power supply voltage.			of CBR \rightarrow RL1,
				$RL2 \rightarrow MS2 \rightarrow$
				Coil and see the
	Ti ((DODO) ii ii ii		NIC	cause of the error.
10	The fuse of DCPS has the conduction.	-	NO	Replace DCPS
11	The voltage of CN409-1 of TUDB is	-	YES	Replace TUDB
	DC24V.		NO	Replace DCPS

15. IMAGE TROUBLE

15.1 Initial check items

- Judge whether the cause of the image trouble is from the scanner system, the printer system, or the controller system.
- For the troubles of stripe and band, conduct the test print with the half tone image to judge whether it is the scanner system or the printer system.
- For the other image troubles, judge it from the copy from the original glass and the print from PC.

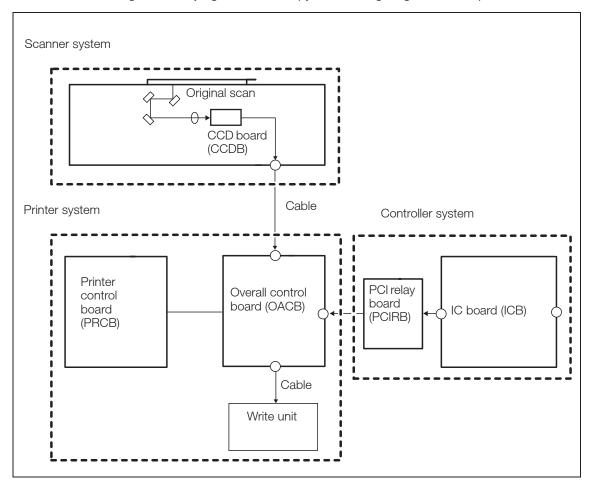


Image	Action	Judg-	Cause	Next step
Trouble		ment		
Stripe,	Select [Service Mode] \rightarrow [Test Mode] \rightarrow	YES	Printer system	Refer to: P.474
band	[Test Pattern Output Mode] and enter "1" to print out the half tone with the density setting "60". Then the stripe or the band occurs.	NO	Scanner system	Refer to: P.491
Others	The image trouble occurs only on the copy from the original glass.	YES	Scanner system	Refer to: P.491
	The same image trouble occurs on the copy	YES	Printer system	Refer to: P.474
	from the original glass and the print from PC.	NO	Controller system	Refer to: P.503

15.2 Printer system procedure

• When it is judged as the printer system trouble from the initial check items, conduct the image stabilization after checking the printer check items.

Note

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• The following sample images on each procedures are when printing in A3.

15.2.1 Check the printer

Check the damage or the dirt on each section parts.

Step	Section	Check item	Result	Action
1	Paper	The paper setting of the machine and the paper to be printed are the same type.	NO	Set the paper setting of the machine to the same type of paper to be printed.
2	Photo conduc-	Drum has dirt on its outward.	YES	Clean
3	tor section	Drum has the damage or the stripe on the upper side.	YES	Check the touching of the drum claw, Clean Replace the drum
4	Developing section	The developing bias contacting terminal is surely touched.	NO	Clean the contacting terminal, Check the terminal position
5	Charging sec- tion	Charging wire or charging control plate has dirt.	YES	Clean
6	Transferring section	Transferring wire has dirt.	YES	Clean
7	Cleaning section	Cleaning blade is surely touched to the drum.	NO	Check, clean, or replace the cleaning blade
8	Conveyance section, duplex section	Dirt or the foreign material is on the paper conveyance path.	YES	Clean
9	Fusing section	Fusing roller has dirt.	YES	Clean Check the cleaning web
10	Write section	Dust-proof glass has dirt on the front.	YES	Clean

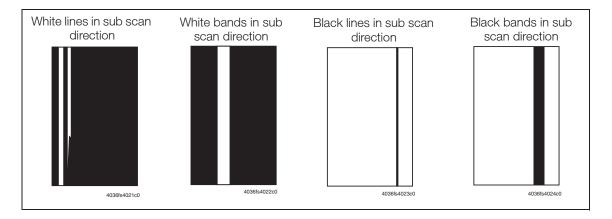
15.2.2 Image Stabilization

• Conduct the image stabilization to check whether the trouble is solved.

Step	Section	Check item	Result	Action
1	Service mode	Conduct the drum potential auto	NO	Go on to the next step.
	→ Process	adjustment and the problem is		
	adjustment	solved.		
	→ Drum Pecu-			
	liarity Adj.			
	→ Automatic			
	Drum Potential			
2	Service mode	Conduct the auto maximum den-	NO	Go on to the next step.
	→ Process	sity adjustment and the problem is		
	adjustment	solved.		
	→ Drum Pecu-			
	liarity Adj.			
	→ Auto maxi-			
	mum Density			
	Adj.			
3	Service mode	Conduct the auto dot diameter	NO	Go on to the next step.
	→ Process	adjustment and the problem is		
	adjustment	solved.		
	→ Drum Pecu-			
	liarity Adj.			
	→ Auto Dot			
	Diameter Adj.			
4	Service mode	Conduct the gamma auto adjust-	NO	Go on to the next step on each
	→ Process	ment and the problem is solved.		item.
	adjustment			
	→ Drum Pecu-			
	liarity Adj.			
	→ Auto Gamma			
	Adj.			

15.2.3 Printer system: White lines in sub scan direction, White bands in sub scan direction, Black lines in sub scan direction, Black bands in sub scan direction

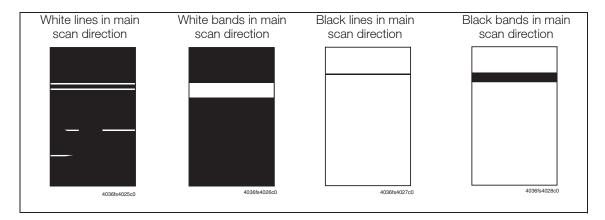
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the image	There are sharp white lines or black lines in the main scan direction.	YES	Clean the charging wire, the charging control plate, and the transferring wire.
3	Writing section	Dust-proof glass has dirt.	YES	Clean the dust-proof glass.
4	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, developing section and the conveyance section.	NO	Clean, Replace
5	Cleaning sec-	Some parts on the cleaning blade	YES	Clean
	tion	are left to wipe.		Replace the cleaning blade
6	Photo conductor section	Drum claw has dirt.	YES	Clean Check the drum claw action
7	Fusing section	Fusing claw has dirt.	YES	Clean Check the fusing claw action
8	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
9	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
10		The problem has been solved by step 9.	NO	Check or replace the charging section → Replace the drum → Check or replace the transfer- ring section → Check or replace the develop- ing section → Replace the write section → Replace the printer control board

15.2.4 Printer system: White lines in main scan direction, White bands in main scan direction, Black lines in main scan direction, Black bands in main scan direction

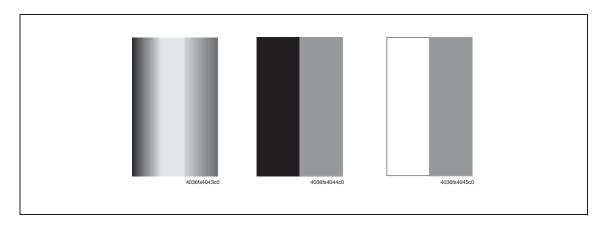
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper
				type.
2	Check the	Check mainly on the charging sec-	NO	Clean, Replace
	printer	tion, transferring section, photo		
		conductor section, developing		
		section and the fusing section.		
3	Image Stabiliza-	The image stabilization solves the	NO	Go on to the next step.
	tion	trouble.		
4	Cleaning section	Some parts on the cleaning blade	YES	Clean
		are left to wipe.		Replace the cleaning blade
5	Connector,	There is no problem on the overall	NO	Reconnect the connector
	wiring	control board, write section, con-		Replace the wiring
		nector of the printer control board,		
		and the wiring.		
6		The problem has been solved by	NO	Check or replace the charging
		step 5.		section
				ightarrow Replace the drum
				ightarrow Check or replace the transfer-
				ring section
				ightarrow Check or replace the develop-
				ing section
				ightarrow Replace the write section
				ightarrow Replace the printer control
				board

15.2.5 Printer system: Uneven density in sub scan direction

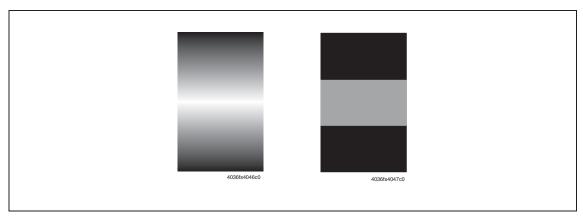
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, and the developing section.	NO	Clean, Replace
З	Service mode → Process adjustment → Drum peculiarity Adj. → LD Offset Adjustment	LD offset adjustment has been conducted and the trouble is solved.	NO	Go on to the next step.
4	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
5	Setting menu → Function Set- ting → Density Setting → Image Den- sity Selection	Check the setting value of the image density.	YES	Change the setting value to the plus.
6	Connector, wiring	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
7		The problem has been solved by step 6.	NO	Check or replace the charging section → Replace the drum → Check or replace the transfer- ring section → Check or replace the develop- ing section → Replace the write section → Replace the printer control board → Replace the high voltage unit /2

15.2.6 Printer system: Uneven density in main scan direction

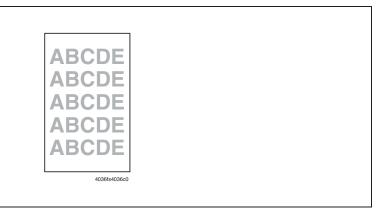
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, and the developing section.	NO	Clean, Replace
3	Service mode → Process adjustment → Drum peculiarity adjustment → LD offset adjustment	LD offset adjustment has been conducted and the trouble is solved.	NO	Go on to the next step.
4	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
5	Setting menu → Function Set- ting → Density Setting → Image Density Selection	Check the setting value of the image density.	YES	Change the setting value to the plus.
6	Connector, wiring	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
7		The problem has been solved by step 6.	NO	Check or replace the charging section → Replace the drum → Check or replace the transfer- ring section → Check or replace the develop- ing section → Replace the write section → Replace the printer control board → Replace the high voltage unit /1 → Replace the high voltage unit /2

15.2.7 Printer system: Light density (ID lowering)

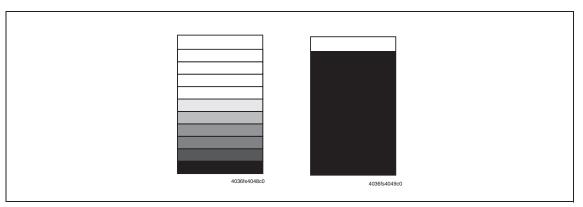
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, and the developing section.	NO	Clean, Replace
3	Toner supply section	The setting of toner bottle is not enough.	YES	Reset
4	Counter clear	Counter clear has been conducted when the drum and the developer are replaced.	NO	Conduct the counter clear of the photo conductor and the developer.
5	IDC sensor	IDC sensor has dirt.	YES	Clean IDC sensor
6	Image Stabilization	The image stabilization solves the trouble.	NO	Go on to the next step.
7	Setting menu → Function Setting → Density Setting → Image Density Selection	Check the setting value of the image density.	YES	Change the setting value to the plus.
8	Individual support action adjustment → Image density adjustment	[Darker] on the image density adjust- ment solves the trouble.	NO	Go on to the next step.
9	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
10		The problem has been solved by step 9.	NO	Check or replace the charging section → Replace the drum → Check or replace the transferring section → Check or replace the developing section → Replace the write section → Replace the printer control board → Replace the high voltage unit /1 → Replace the high voltage unit /2

15.2.8 Printer system: Gradation error

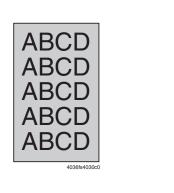
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Gradation pat- tern	Print out the test pattern No.3 or No.5 and the gradation pattern is without any trouble.	YES	Check the other density errors of the printer system.
2	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
3	Density	It occurs on the particular image (such as picture).	NO	Check Copy Setting → Image Setting (letters, light letters, picture).
4	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, and the developing section.	NO	Clean, Replace
5	Image Stabilization	The image stabilization solves the trouble.	NO	Go on to the next step.
6	Setting menu → Function Setting → Density Setting → Image Density Selection	Check the setting value of the image density.	YES	If the density is too light, change the setting value to the plus. If the density is too dark, change the setting value to the minus.
7	Service mode → System setting → Software DIPSW_27-2/3	Image density adjustment solves the trouble.	NO	Go on to the next step.
8	Service mode → System setting → Software DIPSW_23-2/3/4	Toner density adjustment solves the trouble.	NO	Go on to the next step.
9	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
10		The problem has been solved by step 9.	NO	Check or replace the transferring section → Replace the drum → Check or replace the charging section → Check or replace the developing section → Replace the write section → Replace the printer control board → Replace the high voltage unit /2

15.2.9 Printer system: Gray background

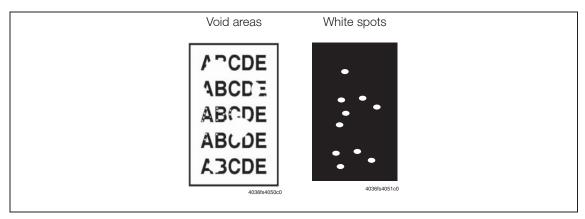
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Setting menu → Function Setting → Density Setting	Check the setting value of [Image Density Selection].	YES	Change the setting value to the minus.
3	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, developing section, write section.	NO	Clean, Replace
4	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
5	Service mode → System set- ting → Software DIPSW_27-2/3	Changing the image density lighter solves the trouble.	NO	Go on to the next step.
6	Service mode → System setting → Software DIPSW_23-2/3/4	Changing the toner density lighter solves the trouble.	NO	Go on to the next step.
7	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
8		The problem has been solved by step 7.	NO	Check or replace the charging section → Replace the drum → Check or replace the transfer- ring section → Check or replace the develop- ing section → Replace the write section → Replace the printer control board → Replace the high voltage unit /1 → Replace the high voltage unit /2

15.2.10 Printer system: Void areas, White spots

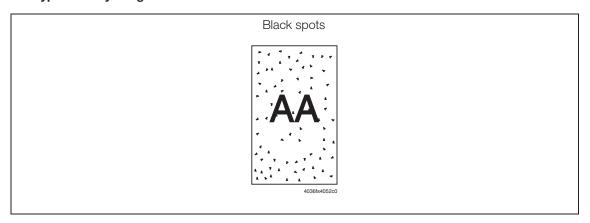
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, developing section and the fusing section.	NO	Clean, Replace
3	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
4	Service mode → System setting → Software DIPSW_27-2/3	Changing the image density darker solves the trouble.	NO	Go on to the next step.
5	Service mode → System set- ting → Software DIPSW_23-2/3/4	Changing the toner density darker solves the trouble.	NO	Go on to the next step.
6	Developing section	Developing section has the foreign object or the solid toner in it.	YES	Remove foreign object Replace developer
7	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
8		The problem has been solved by step 7.	NO	Check or replace the charging section → Replace the drum → Check or replace the transfer- ring section → Check or replace the develop- ing section → Replace the write section → Replace the printer control board → Replace the high voltage unit /1 → Replace the high voltage unit /2

15.2.11 Printer system: Black spots

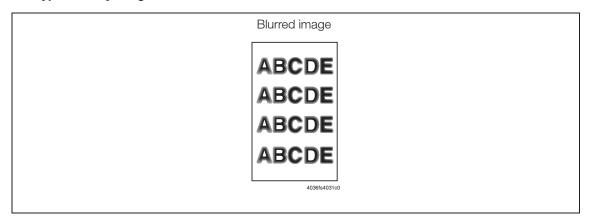
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, developing section, conveyance section, and the fusing section.	NO	Clean, Replace
2	Photo conductor section	Conducting the cartridge set mode solves the trouble.	NO	Go on to the next step.
3	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
4	Service mode → System set- ting → Software DIPSW_27-2/3	Changing the image density lighter solves the trouble.	NO	Go on to the next step.
5	Service mode → System set- ting → Software DIPSW_23-2/3/4	Changing the toner density lighter solves the trouble.	NO	Go on to the next step.
6	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
7		The problem has been solved by step 6.	NO	Check or replace the charging section → Replace the drum → Check or replace the transferring section → Check or replace the developing section → Replace the write section

15.2.12 Printer system: Image blurring

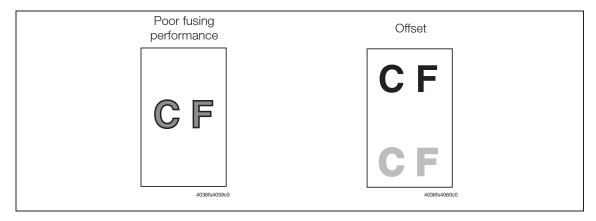
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, developing section, and write section.	NO	Clean, Replace
3	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
4	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
5		The problem has been solved by step 4.	NO	Check or replace the charging section → Replace the drum → Check or replace the transferring section → Check or replace the developing section → Replace the write section → Replace the printer control board

15.2.13 Printer system: Poor fusing performance, Offset

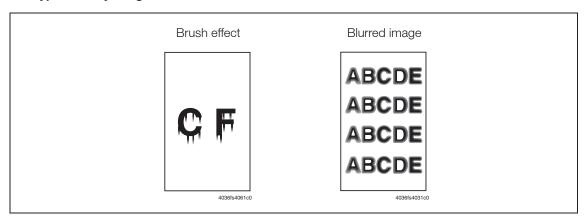
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the cleaning section and the fusing section.	NO	Clean, Replace
3	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
4	Cleaning section (Offset)	Some parts on the cleaning blade are left to wipe.	YES	Clean Replace the cleaning blade
5	Fusing section	The fusing temperature sensor is installed properly.	NO	Check the installation position.
6	Service mode → System set- ting → Software DIPSW_19-0 to 3	Changing the fusing temperature eliminates the poor fusing performance and the offset.	YES	Conduct the fusing temperature adjustment.
7	Connector, wir- ing	There is no problem on the con- nector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
8		The problem has been solved by step 7.	NO	Fusing temperature sensor → Replace the fusing heater lamp → Replace the printer control board

15.2.14 Printer system: Brush effect, Image bleeding

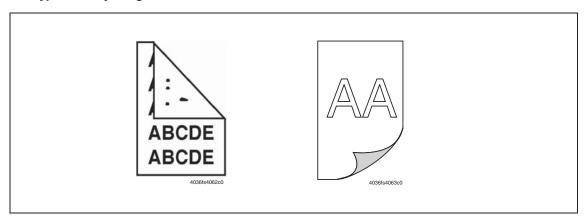
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper	Paper is moisturized.	YES	Replace to the paper that has just
				opened.
2		It occurs on the particular paper.	YES	Check the setting of the paper
				type.
3	Check the	Check mainly on the fusing section	NO	Clean, Replace
	printer	and conveyance section.		
4	Image Stabiliza-	The image stabilization solves the	NO	Go on to the next step.
	tion	trouble.		
5	Fusing section	The cleaning web cleans properly.	NO	Check the cleaning web
				Replace the cleaning web
6	Connector, wir-	There is no problem on the con-	NO	Reconnect the connector
	ing	nector of the printer control board,		Replace the wiring
		and the wiring.		
7		The problem has been solved by	NO	Fusing temperature sensor
		step 6.		ightarrow Replace the fusing heater lamp
				ightarrow Replace the printer control
				board

15.2.15 Printer system: Inky backside

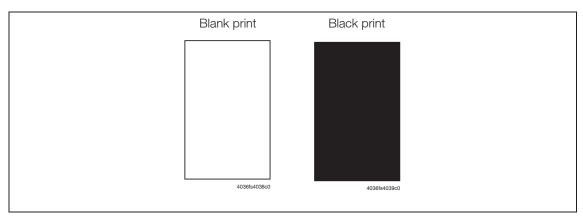
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Paper path	There are foreign objects or dirt on	YES	Remove the foreign object or dirt
		the paper path.		
2	Check the	Check mainly on the transferring	NO	Clean, Replace
	printer	section, conveyance section, and		
		the fusing section.		
3	Image Stabiliza-	The image stabilization solves the	NO	Go on to the next step.
	tion	trouble.		
4	Fusing section	Fusing guide plate has dirt.	YES	Remove dirt
5		Fusing roller /Lw has the damage	YES	Replace the fusing roller /Lw
		or dirt.		
6	Connector, wir-	There is no problem on the con-	NO	Reconnect the connector
	ing	nector of the printer control board,		Replace the wiring
		and the wiring.		
7		The problem has been solved by	NO	Check or replace the transferring
		step 6.		section
				\rightarrow Replace the printer control
				board
				ightarrow Replace the high voltage unit /2

15.2.16 Printer system: Blank print, Black print

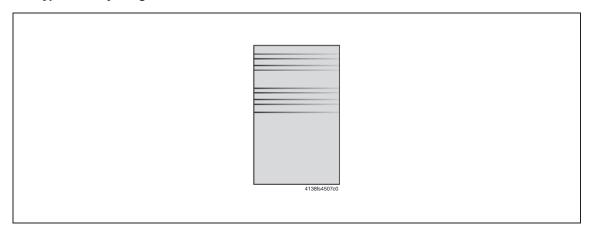
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Check the	Blank print occurs.	YES	Check the connection of the con-
	image			nector on the write unit.
2	Check the	Check mainly on the charging sec-	NO	Clean, Replace
	printer	tion, transferring section, photo		
		conductor section, developing		
		section, and write section.		
3	Image Stabiliza-	The image stabilization solves the	NO	Go on to the next step.
	tion	trouble.		
4	Connector, wir-	There is no problem on the overall	NO	Reconnect the connector
	ing	control board, write section, con-		Replace the wiring
		nector of the printer control board,		
		and the wiring.		
5		The problem has been solved by	NO	Check or replace the charging
		step 4.		section
				→ Check or replace the transfer-
				ring section
				→ Check or replace the develop-
				ing section
				→ Replace the write unit
				→ Replace the printer control
				board
				→ Replace the overall control
				board
				→ Replace the high voltage unit /1
				→ Replace the high voltage unit /2

15.2.17 Printer system: Pitch unevenness

A. Typical faulty image



B. Recovery method

Step	Section	Check item	Result	Action
1	Paper	It occurs on the particular paper.	YES	Check the setting of the paper type.
2	Check the printer	Check mainly on the charging section, transferring section, photo conductor section, developing section, write section, and the fusing section.	NO	Clean, Replace
3	Image Stabiliza- tion	The image stabilization solves the trouble.	NO	Go on to the next step.
4	Service mode → Registration Line Speed (Magnification Adjustment) → Printer S1 FD-Mag. Adj.	Magnification adjustment solves the trouble.	NO	Go on to the next step.
5	Connector, wir- ing	There is no problem on the overall control board, write section, connector of the printer control board, and the wiring.	NO	Reconnect the connector Replace the wiring
6		The problem has been solved by step 5.	NO	Check or replace the charging section → Check or replace the transferring section → Check or replace the developing section → Replace the write unit

15.3 Scanner system procedure

• When it is judged as the trouble of the scanner system from the initial check items, check the scanner check items.

Note

• The following sample images on each procedures are when printing in A3.

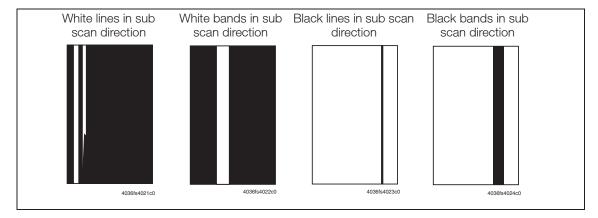
15.3.1 Scanner check items

• Check the damage on the parts of the scanner system.

Step	Section	Check item	Result	Action
1	Original	Original has the damage or dirt.	YES	Change original
2	ADF	Original guide cover has dirt.	YES	Clean
3	Original Glass	Original glass has dirt.	YES	Clean with the soft cloth.
4	Slit Scan Glass	Slit scan glass for reading DF has dirt.	YES	Clean with the soft cloth.
5	Shading correction plate	Shading correction plate has dirt.	YES	Clean with the soft cloth.
6	Mirror/Lens/	Mirror has dirt.	YES	Clean
	Exposure lamp/	Lens has dirt.	YES	Clean
	Reflective mirror	Exposure lamp has dirt.	YES	Clean
		Reflective mirror has dirt.	YES	Clean

15.3.2 Scanner system: White lines in sub scan direction, White bands in sub scan direction, Black lines in sub scan direction, Black bands in sub scan direction

A. Typical faulty images



B. Troubleshooting procedure

3) When using original glass

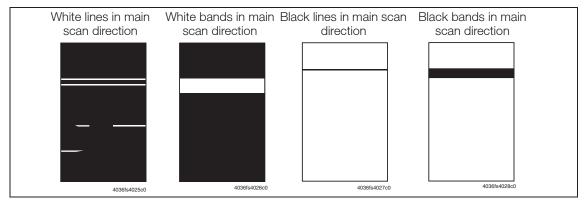
Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner	NO	Clean, Replace
		check items.		
2	Service mode	The adjustment value of [Scanner	NO	Readjustment
	\rightarrow Machine	Centering Adj.] is within the stan-		
	adjustment	dard.		
	\rightarrow Centering			
	adjustment			
3		The problem has been solved by	NO	Replace exposure unit
		step 2.		ightarrow Replace CCD unit

4) When using DF

Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner	NO	Clean, Replace
		check items.		
2	Service mode	The adjustment value of [ADF	NO	Readjustment
	→ Machine	Centering Adj.] is within the stan-		
	Adjustment	dard.		
	→ Centering			
	Adjustment			
3	Service mode	The adjustment value of [Scanner /	NO	Readjustment
	→ Machine	ADF Skew Offset Adj.] is within the		
	Adjustment	standard.		
	→ ADF Adjust-			
	ment			
4	Mechanical	Adjustment position is proper.	NO	Readjustment
	adjustment			
	\rightarrow DF -616 \rightarrow			
	Paper skew			
	adjustment			
5		The problem has been solved by	NO	Replace exposure unit
		step 4.		→ Replace CCD unit

15.3.3 Scanner system: White lines in main scan direction, White bands in main scan direction, Black lines in main scan direction, Black bands in main scan direction

A. Typical faulty images



B. Troubleshooting procedure

3) When using original glass

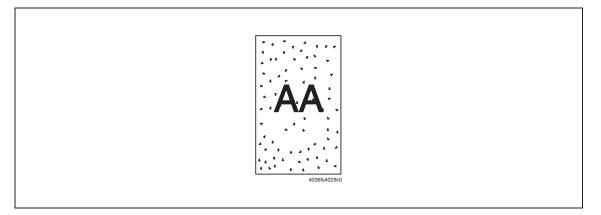
Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
2	Service mode → Machine Adjustment → Timing Adjustment	The adjustment value of [Scanner Restart Timing] is within the standard.	NO	Readjustment
3	Service mode → Machine Adjustment → Centering Adjustment	The adjustment value of [Scanner Centering Adj.] is within the standard.	NO	Readjustment
4		The problem has been solved by step 3.	NO	Replace exposure unit → Replace CCD unit

4) When using ADF

Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
2	Service mode → Machine Adjustment → Timing Adjustment	The adjustment value of [ADF Restart Timing Adj.] is within the standard.	NO	Readjustment
3	Service mode → Machine Adjustment → Centering Adjustment	The adjustment value of [ADF Centering Adj.] is within the standard.	NO	Readjustment
4	Service mode → Machine Adjustment → ADF Adjustment	The adjustment value of [ADF Skew Offset Adj.] is within the standard.	NO	Readjustment
5	Mechanical adjustment → DF -616 → Paper skew adjustment	Adjustment position is proper.	NO	Readjustment
6		The problem has been solved by step 5.	NO	Replace exposure unit → Replace CCD unit

15.3.4 Scanner system: Black spots

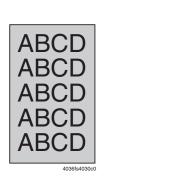
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
2		The problem is solved with step 1.	NO	Replace exposure unit → Replace CCD unit

15.3.5 Scanner system: Gray background

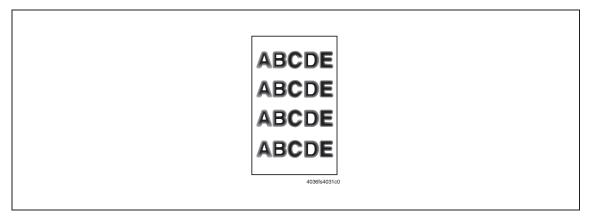
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
2	DF unit	DF unit changes the shape or the hinge is damaged.	YES	Replace DF unit
3	Mechanical adjustment → DF-616 → Height adjust- ment	DF unit is not at proper position.	YES	Readjustment
4		The problem has been solved by step 3.	NO	Replace exposure unit → Replace CCD unit

15.3.6 Scanner system: Blurred image, Brush effect

A. Typical faulty image

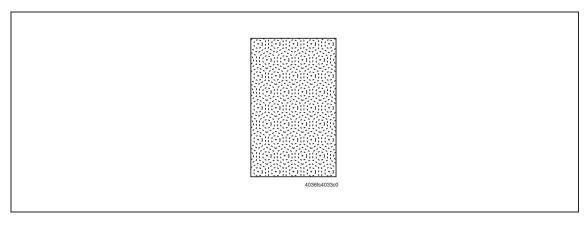


Step	Section	Check item	Result	Action
1	Original	Original has bumps.	YES	Original change
2	DF unit	DF unit changes the shape or the hinge is damaged.	YES	Replace DF unit
3	Mechanical adjustment → DF-616 → Height adjust- ment	DF unit is not at proper position.	YES	Readjustment
4	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
5	Scanner section	Original glass leans or is not at proper position.	YES	Install it at proper position.
6		The install positions of V-mirror unit and the exposure unit are proper.	NO	Conduct the readjustment with using the optics unit positioning jig.
7		The problem has been solved by step 6.	NO	Replace exposure unit → Replace CCD unit

TROUBLESHOOTING

15.3.7 Scanner system: Moire

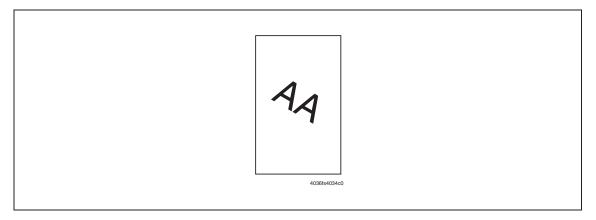
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Original	Moire does not occur after changing the direction of original set.	YES	Original set direction change
2	Basic setting → Quality Adj.	Moire does not occur after changing the quality of the original.	YES	Change to the other types of original (Text, Text/Photo, Photo).
3	Basic screen → Zoom	Changing the magnification solves moire.	YES	Change the magnification.
4		The problem has been solved by step 3.	NO	Replace CCD unit

15.3.8 Scanner system: Leaning image

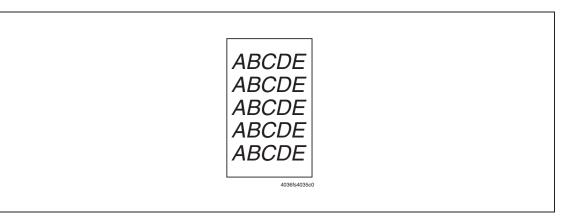
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Original	Original is leaning.	YES	Setting original
				Replace original
2	Scanner check	There is no problem on scanner	NO	Clean, Replace
		check items.		
3	Scanner section	Original glass leans or is not at	YES	Install it at proper position.
		proper position.		
4		The install positions of V-mirror unit	NO	Conduct the readjustment with
		and the exposure unit are proper.		using the optics unit positioning
				jig.
5		The problem has been solved by	NO	Replace exposure unit
		step 4.		ightarrow Replace CCD unit

15.3.9 Scanner system: Image distortion

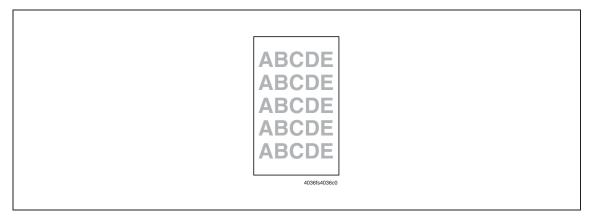
A. Typical faulty image



Step	Section	Check item	Result	Action
1	State of the machine installed	The main body is installed on the horizontal place.	NO	Re-install
2	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
3	Service mode → Machine Adjustment → Distortion Adjustment	Adjusting each items solves the trouble.	NO	Readjustment
4	Scanner section	The install positions of V-mirror unit and the exposure unit are proper.	NO	Conduct the readjustment with using the optics unit positioning jig.
5		The problem has been solved by step 4.	NO	Replace exposure unit → Replace CCD unit

15.3.10 Scanner system: Low image density, Rough image

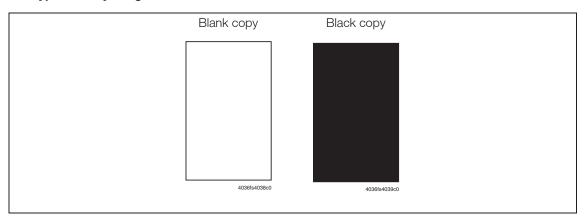
A. Typical faulty image



Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner	NO	Clean, Replace
		check items.		
2	Scanner section	Exposure lamp has dirt.	YES	Clean
3		The problem has been solved by	NO	Replace exposure unit
		step 2.		ightarrow Replace CCD unit

15.3.11 Scanner system: Blank copy, Black copy

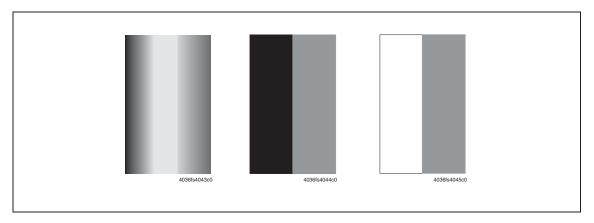
A. Typical faulty images



Step	Section	Check item	Result	Action
1	Gradation pat- tern	Print out the test pattern No.3 or No.5 and the gradation pattern is	NO	Check the image trouble of the printer system.
	tem	without any trouble.		printer system.
2	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
3	Connector, wir-	There is no trouble on CCD unit,	NO	Reconnect the connector
	ing	connector of the overall control		Replace the wiring
		board, and wiring.		
4		The problem has been solved by	NO	Replace CCD unit
		step 3.		ightarrow Replace the overall control
				board

15.3.12 Scanner system: Uneven density

A. Typical faulty images



Step	Section	Check item	Result	Action
1	Scanner check	There is no problem on scanner check items.	NO	Clean, Replace
2	Scanner section	V-mirror unit and the exposure unit moves smoothly.	NO	Check the scanner wire
3		The install positions of V-mirror unit and the exposure unit are proper.	NO	Conduct the readjustment with using the optics unit positioning jig.
4		The problem has been solved by step 3.	NO	Replace exposure unit → Replace CCD unit

15.4 Controller system procedure

• When it is judged as the controller system trouble from the initial check items, check the controller check items.

Note

• The following sample images on each procedures are when printing in A3.

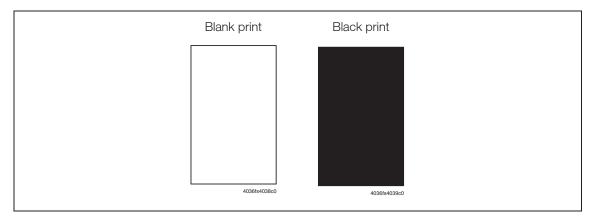
15.4.1 Controller check item

• Check the network connection of the controller system.

Step	Section	Check item	Result	Action
1	Network cable	Network cable is properly connected.	NO	Reconnect
2	Network con- nection	Green LED next to the LAN connector is ON.	NO	Ask the system administrator on the user side to check if the output of HUB has trouble. → Without any trouble, go on to the next step
3	Network Setting	Network setting of the administrator setting is set properly.	NO	Ask the system administrator on the user side to set.

15.4.2 Controller system: Blank print, Black print

A. Typical faulty images



Step	Section	Check item	Result	Action
1	Controller	There is no problem on the con-	NO	Recover the network connection
	Check	troller check item.		
2	IC board	Connector of IC board is surely	NO	Reconnect the connector
	(ICB)	set.		
3	PCI relay board	Connector on the PCI relay board	NO	Reconnect the connector
	(PCIRB)	is surely set.		
4	Overall control	Connector of overall control board	NO	Reconnect the connector
	board	is surely set.		
	(OACB)			
5		The problem has been solved by	NO	Replace IC board
		step 4.		ightarrow Replace PCI relay board
				ightarrow Replace the overall control
				board