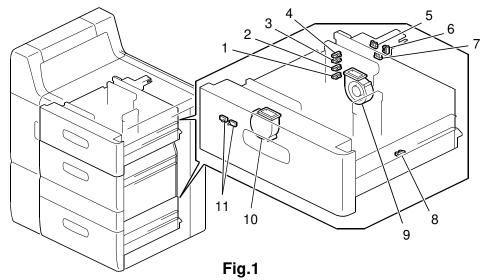
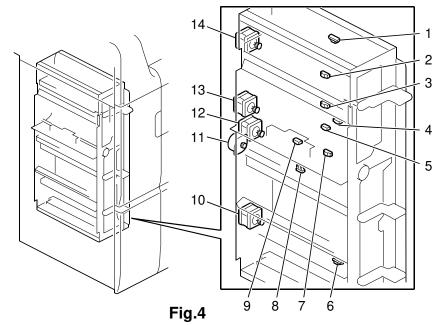
To Mainframe FRAME OD-**Main Control Board** Tray Heater 1 and 2 (Option) 230V:18W LCT_HEAT_L---3rd_H_STM_A +24V 3rd_H_STM_A 3rd_H_STM_B +24V (PCB1) 3rd_H_STM_/B 3rd_TH_STM_A +24V +24V-----2 - 34V 31 - 34 4 - 5 5 - 34V 4 - 18 PGND—— 3rd_TH_STM_A 3rd_TH_STM_B 3rd_TH_STM_/B 3rd_K_STM_A GND 3 RxD2 3 GND 3 TxD2 4 GND 3 GND 3 GND 7 GND 7 GND 7 2 38Y 3 A 5 38Y 5 38Y M3 3rd Paper Feed Motor 3rd_K_STM_A 3rd_K_STM_B 4th_H_STM_A 4th_H_STM_B 4th_H_STM_B +24V 4th_H_STM_B +24V 4th_H_STM_B 4th_TH_STM_A 4th_TH_STM_B 4th_TH_ST Exit Roller Lift Sensor S1 4th Paper Feed Motor +24V 4th K STM /A 4th K STM B +24V 4th K STM /B EXIT STM A +24V 3rd Relay Sensor - Upper s3 2 - 34V 4 - 8 4 - 8 4 - 8 EXIT_STM_/A EXIT_STM_B +24V EXIT_STM_/B 5th_H_STM_A 5th_H_STM_B 5th_H_STM_B +24V 5th_H_STM_B 4th Relay Sensor S6 GND 4-RLY_SN +5V 5th_TH_STM_A +24V.SW1 5th_TH_STM_B 5th_TH_STM_B +24V 5th_K_STM_A 5th_K_STM_A +24V 3 A M9 5th Transport Motor GND 5-RLY_SN +5V 2 - 24V 3 - A 4 - B 5 - 24V 4 - B +24V 5th K STM /A 5th K STM B +24V 5th K STM /B 5th Transport Sensor OPEN_STM_A +24V OPEN_STM_B OPEN_STM_B +24V OPEN_STM_/B N.C. 3-PKUP_SOL +24V 3-REV_SOL +24V +24V GND 3rd FEED_UNIT_DETECT GND 3-PPR_FEED_SN +5V 3rd_FAN_PWM_1 3rd_FAN_ALRM_1 FAN 3rd Tray Fan: Front 3rd_FAN_ALRM_1 + 24V PGND
3rd_FAN_ALRM_2 + 24V PGND
3rd_FAN_ALRM_2 + 24V PGND
3rd_FAN_ALRM_2 + 5V PGND
3rP_WDTH_SN1 + 5V PGND
3rP_WDTH_SN3 + 5V RND
3rd_LED_A 3rd Paper Feed Unit FAN 3rd Tray Fan: Rear S19 3rd Paper Length Sensor s20 3rd Paper Width Sensor 1 3rd Tray 4-PKUP_SOL +24V 4-REV_SOL +24V GND 4-FEED_UNIT_DETECT GND 4-PPR_FEED_SN +5V 3-P_LNGTH_SN 3-P_LHGHT_SNI 4-SV GND 3-P_HGHT_SNI 4-SV 5-V 3-P_HGHT_SNI 3-P_HGH 4th Paper Feed Unit +5V GND 4-PPR_END_SN s25 3rd Paper Height Sensor 3 S26 3rd Paper Height Sensor 4 4th Paper End Sensor 5-PKUP_SOL +24V 5-REV_SOL +24V GND 5-FEED_UNIT_DETECT GND 5-PPR_FEED_SN ±5V. PGND 4th FAN PWM 1 4th FAN ALRM 1 FAN 4th Tray Fan: Front +24V PGND 4th FAN PWM 2 4th FAN ALRM 2 FAN 4th Tray Fan: Rear 4th_FAN_ALRM_2
+24V
GND
4-P_WDTH_SN1
-5V
GND
4-P_WDTH_SN2
+5V
GND
4-P_WDTH_SN3
+5V
4-P_WDTH_SN3
4-P_WDTH_SN3
-5V
Ath_LED_A
N.C. 5th Paper Feed Unit +5V GND 5-PPR_END_SN 4th Paper Length Sensor oth Paper Feed Sensor S16 S16 5th Paper End Sensor S17 SCHOOL S17 S28 4th Paper Width Sensor 1 4th Tray GND
4-P_LNGTH_SN
4-P_HGHT_SN1
4-P_HGHT_SN2
4-P_HGHT_SN2
4-P_HGHT_SN2
4-P_HGHT_SN3
4-P_HGHT_SN3
4-P_HGHT_SN3
4-P_HGHT_SN4
4 Cooling Fan GRAD S34 4th Paper Height Sensor 4 To Option PGND 5th_FAN_PWM_1 5th_FAN_ALRM_1 FAN 5th Tray Fan: Front FAN 5th Tray Fan: Rear s35 5th Paper Length Sensor substitution of the state of th 5th Tray ST DETECT(GNU)
RESET
P-FEED MTR LOCK
P-FEED MTR MODE1
P-FEED MTR MODE2
P-FEED MTR MODE2
P-FEED MTR MODE2
P-FEED MTR MODE2
GRP MTR MODE1
GRP MTR MODE1
GRP MTR MODE3
GRP MTR MODE3
GRP MTR MODE3
GRP MTR MODE3
GRP MTR PW_LIMIT F4_TH_STM_A = +24V = F4_TH_STM_B = +24V = F4_TH_STM_B = F4 F4_TH_STM_A +24V F4_TH_STM_/A F4_TH_STM_B +24V F4_TH_STM_/B 5th Lift Motor +5V TxD2(FLASH) RxD2(FLASH) CGND **D516 POINT TO POINT DIAGRAM**

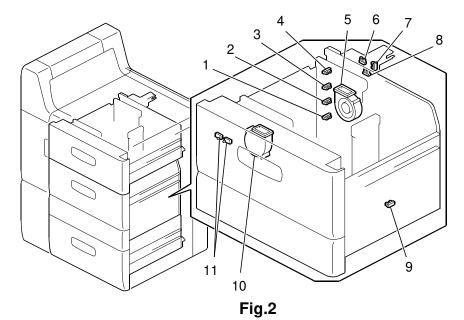
D516 ELECTRICAL COMPONENT LAYOUT



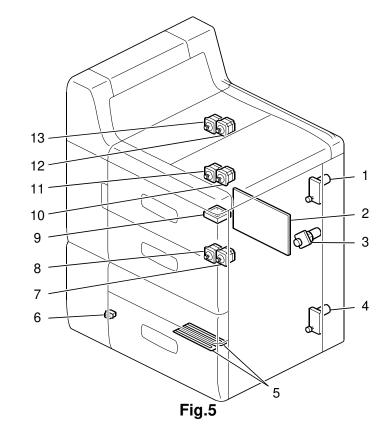
Index No.	Description	Symbol	P to P
F1-1	3rd/5th Paper Height	S26/42	D7/G7
F1-2	3rd/5th Paper Height	S25/41	D7/G7
F1-3	3rd/5th Paper Height	S24/40	D7/F7
F1-4	3rd/5th Paper Height	S23/39	D7/F7
F1-5	3rd/5th Paper WidthSensor	S20/36	D7/F7
F1-6	3rd/5th Paper WidthSensor	S21/37	D7/F7
F1-7	3rd/5th Paper WidthSensor	S22/38	D7/F7
F1-8	3rd/5th Paper Length	S19/35	C8/F8
F1-9	3rd/5th Tray Fan: Front	FAN2/6	C8/F8
F1-10	3rd/5th Tray Fan: Rear	FAN3/7	C8/F8
F1-11	3rd/5th LED	LED1/3	D9/F9



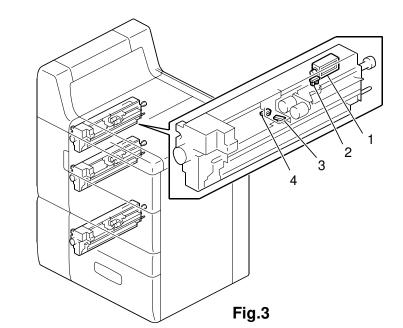
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Index No.	Description	Symbol	P to P
F4-1	3rd Transport Sensor	S5	B3
F4-2	3rd Relay Sensor - Upper	S3	B3
F4-3	3rd Relay Sensor	S4	B3
F4-4	4th Transport Sensor	S7	B3
F4-5	4th Relay Sensor	S6	В3
F4-6	5th Transport Sensor	S9	C3
F4-7	5th Relay Sensor	S8	C3
F4-8	Exit Roller Lift Sensor	S1	В3
F4-9	LCT Exit Sensor	S2	B3
F4-10	5th Transport Motor	M9	B7
F4-11	Exit Roller Lift Motor	M11	C7
F4-12	4th Transport Motor	M5	B7
F4-13	LCT Exit Motor	M7	B7
F4-14	3rd Transport Motor	M2	A7



Index No.	Description	Symbol	P to P
F2-1	4th Paper Height Sensor 4	S31	E7
F2-2	4th Paper Height Sensor 3	S32	E7
F2-3	4th Paper Height Sensor 2	S33	E7
F2-4	4th Paper Height Sensor 1	S34	E7
F2-5	4th Paper WidthSensor 1	S28	E7
F2-6	4th Paper WidthSensor 2	S29	E7
F2-7	4th Paper WidthSensor 3	S30	E7
F2-8	4th Paper Length Sensor	S27	E8
F2-9	4th Tray Fan: Front	FAN4	D8
F2-10	4th Tray Fan: Rear	FAN5	E8
F2-11	4th LED	LED2	E9



Index No.	Description	Symbol	P to P
F5-1	3rd Lift Motor	M12	G7
F5-2	Main Control Board	PCB1	A5
F5-3	4th Lift Motor	M13	G7
F5-4	5th Lift Motor	M14	G7
F5-5	Tray Heaters	H1/2	A4
F5-6	Cover Open Switch	SW1	E4
F5-7	5th Paper Feed Motor	M10	C7
F5-8	5th Grip Motor	M8	B7
F5-9	Cooling Fan	FAN1	E4
F5-10	4th Paper Feed Motor	M6	B7
F5-11	4th Grip Motor	M4	A7
F5-12	3rd Paper Feed Motor	M3	A7
F5-13	3rd Grip Motor	M1	A7



Index No.	Description	Symbol	P to P
F3-1	3rd/4th/5th Pickup Solenoid	SOL1/2/3	C3/D3
F3-2	3rd/4th/5th Lift Sensor	S12/15/18	D3/E3
F3-3		S11/14/17	
F3-4	3rd/4th/5th Paper Feed	S10/13/16	C3/D3/E3