

General Timing Chart / General Circuit Diagram

LBP5000 Series
LBP5000

Canon

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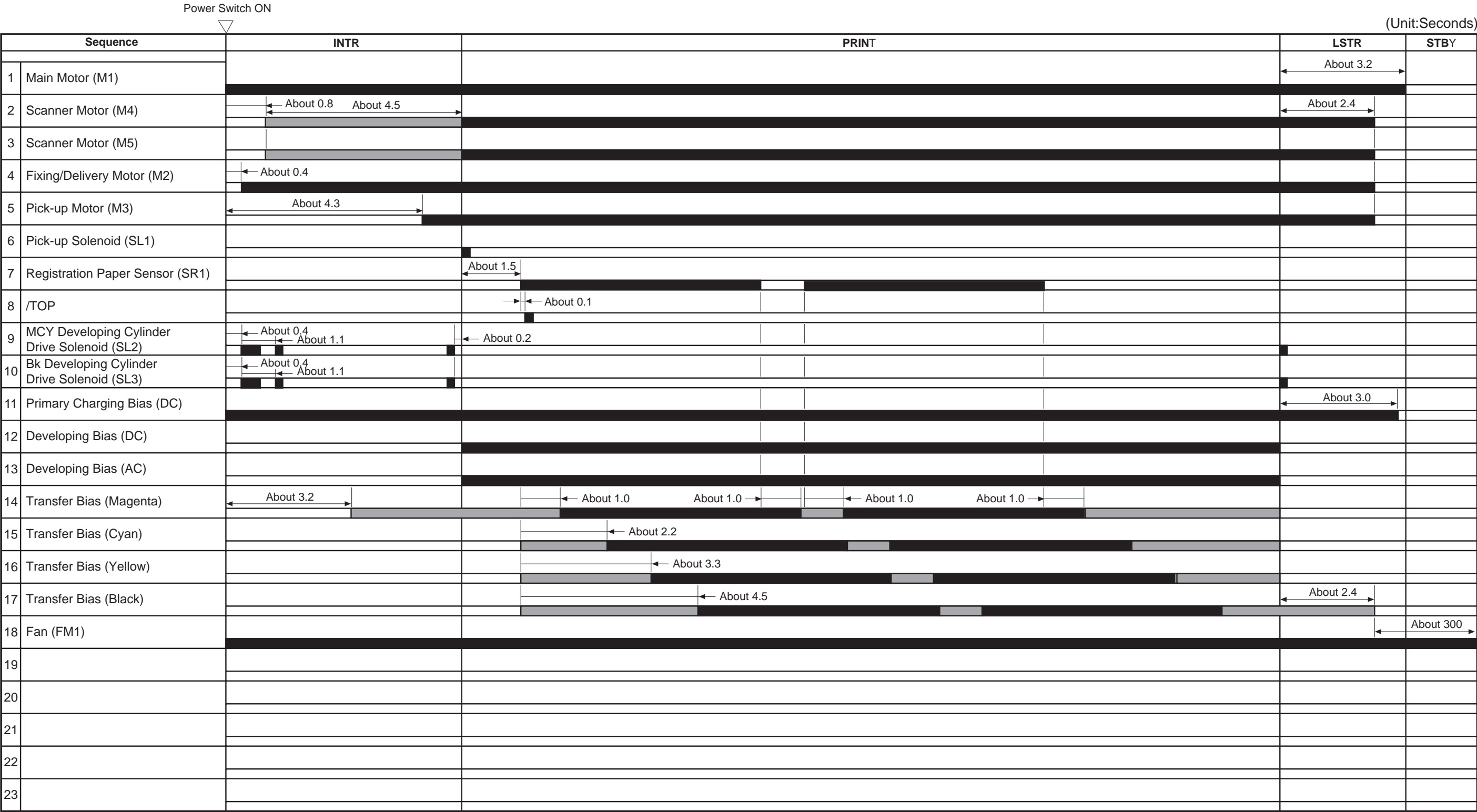
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1 General Timing Chart
Timing chart for two consecutive prints on A4 paper (Cassette feed)



T-2-1	
Abbreviation	Signal name
/BD1	BEAM DETECTION signal (Magenta)
/BD2	BEAM DETECTION signal (Cyan)
/BD3	BEAM DETECTION signal (Yellow)
/BD4	BEAM DETECTION signal (Black)
/BDI12	BD INPUT signal (Magenta/Cyan)
/BDI34	BD INPUT signal (Yellow/Black)
/CCRT	STATUS CHANGE NOTICE signal
/DEVACCLK1N	DEVELOPING AC BIAS CLOCK signal
/DEVACCLK2N	DEVELOPING AC BIAS CLOCK signal
/DEVACCLK3N	DEVELOPING AC BIAS CLOCK signal
/MAINMACC	MAIN MOTOR ACCELERATION signal
/MAINMDEC	MAIN MOTOR DECELERATION signal
/MAINMFG	MAIN MOTOR SPEED DETECTION signal
/SCANACC12	SCANNER MOTOR ACCELERATION signal
/SCANACC34	SCANNER MOTOR ACCELERATION signal
/SCANDEC12	SCANNER MOTOR DECELERATION signal
/SCANDEC34	SCANNER MOTOR DECELERATION signal
/TOP	TOP OF PAGE signal
/TRPWM1	TRANSFER VOLTAGE CONTROL signal
/TRPWM2	TRANSFER VOLTAGE CONTROL signal
/TRPWM3	TRANSFER VOLTAGE CONTROL signal
/TRPWM4	TRANSFER VOLTAGE CONTROL signal
/VDO1	VIDEO signal (Magenta)
/VDO2	VIDEO signal (Cyan)
/VDO3	VIDEO signal (Yellow)
/VDO4	VIDEO signal (Black)
/VDOEN	VIDEO SIGNAL OUTPUT PERMISSION signal
/VMINPWM	DEVELOPING VOLTAGE CONTROL signal
CPRPWM_L	LED DRIVE signal
CPRPWM_R	LED DRIVE signal
CSTSNS	CASSETTE PAPER signal
DEV123SL	MCY DEVELOPING CYLINDER DRIVE SOLENOID DRIVE signal

Abbreviation	Signal name
DEV4SL	BK DEVELOPING CYLINDER DRIVE SOLENOID DRIVE signal
DEVACCLK1P	DEVELOPING AC BIAS CLOCK signal
DEVACCLK2P	DEVELOPING AC BIAS CLOCK signal
DEVACCLK3P	DEVELOPING AC BIAS CLOCK signal
DEVACCLK4	DEVELOPING AC BIAS CLOCK signal
DNSGAINL0	PHOTORECEPTION SWITCHING signal
DNSGAINL1	PHOTORECEPTION SWITCHING signal
DNSPL	DENSITY DETECTION signal
DNSSL	COLOR MISREGISTRATION DETECTION signal
DNSSR	COLOR MISREGISTRATION DETECTION signal
FANLCK	FAN LOCK signal
FANON	FAN DRIVE signal
FDSNS	FIXING DELIVERY signal
FEEDA	PICK-UP MOTOR DRIVE signal
FEEDAN	PICK-UP MOTOR DRIVE signal
FEEDB	PICK-UP MOTOR DRIVE signal
FEEDBN	PICK-UP MOTOR DRIVE signal
FEEDSL	PICK-UP SOLENOID DRIVE signal
FSRD	FIXING HEATER DRIVE signal
FSRPRSSNS	PRESSURE ALIENATION signal
FUSERA	FIXING/DELIVERY MOTOR DRIVE signal
FUSERAN	FIXING/DELIVERY MOTOR DRIVE signal
FUSERB	FIXING/DELIVERY MOTOR DRIVE signal
FUSERBN	FIXING/DELIVERY MOTOR DRIVE signal
HUMSNS	HUMIDITY DETECTION signal
HV_CLK	HIGH VOLTAGE CLOCK signal
LDCTRL10	LASER CONTROL signal (Magenta)
LDCTRL11	LASER CONTROL signal (Magenta)
LDCTRL20	LASER CONTROL signal (Cyan)
LDCTRL21	LASER CONTROL signal (Cyan)
LDCTRL30	LASER CONTROL signal (Yellow)
LDCTRL31	LASER CONTROL signal (Yellow)
LDCTRL40	LASER CONTROL signal (Black)
LDCTRL41	LASER CONTROL signal (Black)
LOOPSNS	PRE-FIXING PAPER signal

Abbreviation	Signal name
MAINMFR	MAIN MOTOR CW/CCW signal
MAINTH	FIXING TEMPERATURE DETECTION signal
OPTSL	PAPER FEEDER PICK-UP SOLENOID DRIVE signal
OPTSNS	PAPER FEEDER PAPER signal
PDOUT1	LASER CURRENT OUTPUT signal (Magenta)
PDOUT2	LASER CURRENT OUTPUT signal (Cyan)
PDOUT3	LASER CURRENT OUTPUT signal (Yellow)
PDOUT4	LASER CURRENT OUTPUT signal (Yellow)
PRIPWM	PRIMARY CHARGING VOLTAGE CONTROL signal
PSLOTSNS	MANUAL FEED SLOT PAPER signal
PWSNS	PAPER WIDTH signal
REGSNS	REGISTRATION PAPER signal
REM24V	SLEEP signal
RLD-	RELAY DRIVE signal
RLD+	RELAY DRIVE signal
SC	STATUS COMMAND signal
SCLK	SERIAL CLOCK signal
SUBTH	FIXING TEMPERATURE DETECTION signal
TEMPSNS	TEMPERATURE DETECTION signal
TGCA	MEMORY TAG CLOCK signal
TGCB	Communication line
TGEN1	MEMORY TAG RESET signal
TGEN2	MEMORY TAG CLOCK signal
TGEN3	MEMORY TAG CLOCK signal
TGEN4	MEMORY TAG CLOCK signal
TGRD	Communication line
TONSNS1	TONER LEVEL DETECTION signal (Magenta)
TONSNS2	TONER LEVEL DETECTION signal (Cyan)
TONSNS3	TONER LEVEL DETECTION signal (Yellow)
TONSNS4	TONER LEVEL DETECTION signal (Black)
TRPWMN	TRANSFER VOLTAGE CONTROL signal
TRS	TRANSFER CURRENT FEED BACK signal
VDO1	VIDEO signal (Magenta)
VDO2	VIDEO signal (Cyan)
VDO3	VIDEO signal (Yellow)

Abbreviation	Signal name
VDO4	VIDEO signal (Black)
VMAXPWM123	DEVELOPING VOLTAGE CONTROL signal
VMAXPWM4	DEVELOPING VOLTAGE CONTROL signal
ZEROX	ZERO CROSSING signal

General circuit Diagram



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