

General Timing Chart / General Circuit Diagram

Feeder
DADF-Q1

Canon

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Caution

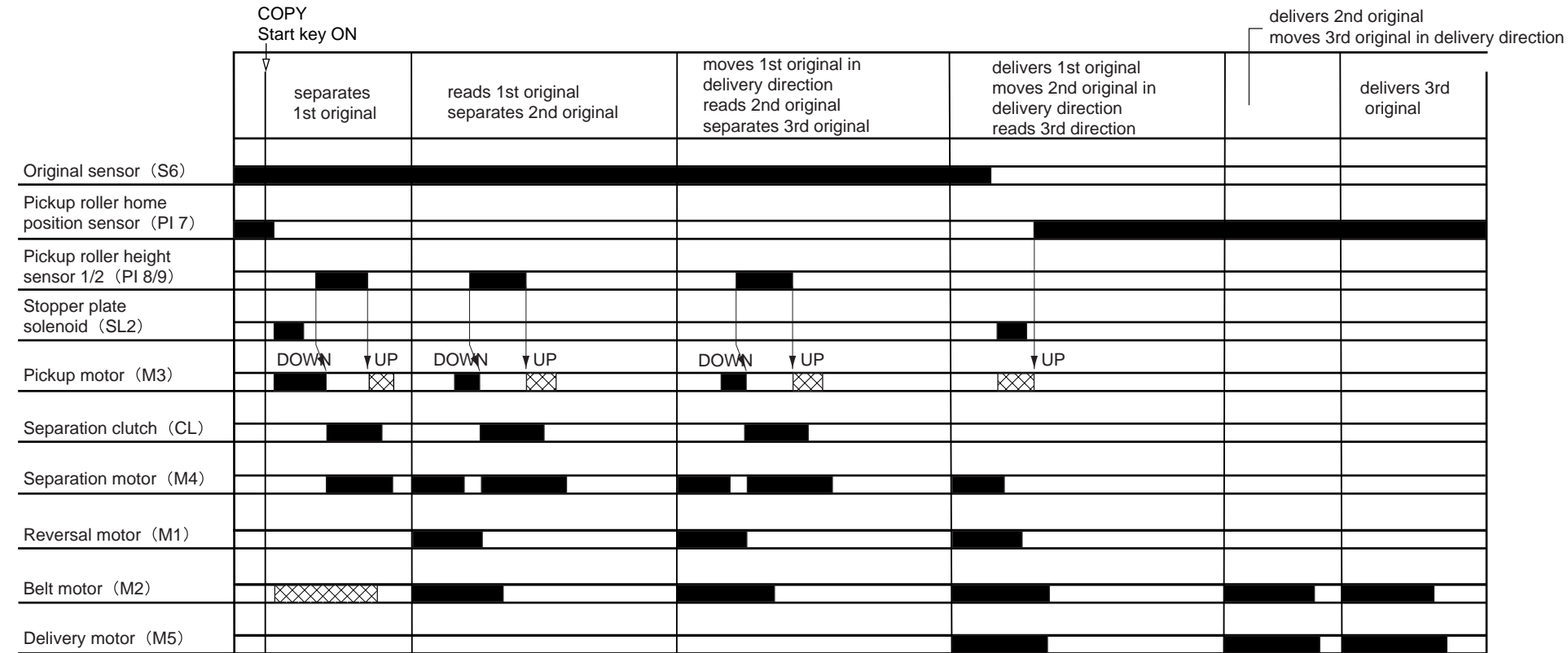
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1 Genelal Timing Chart
A4 3 One-Sided Originals Fixed Reading

A4 Single-Sided Originals; Fixed Reading

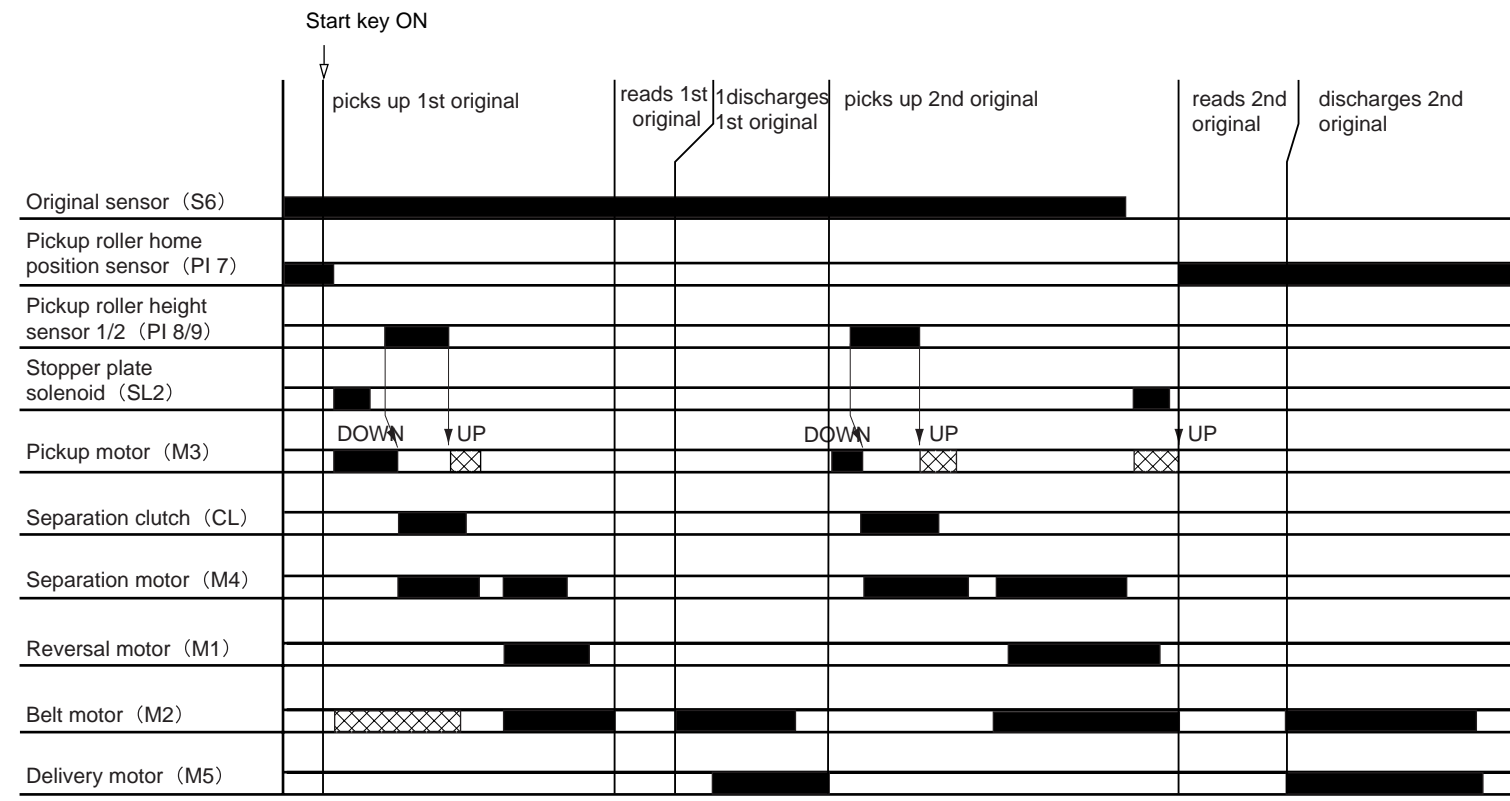


⊠ : motor reverse rotation

F-1-1

A4/ A3 2 One-Sided Originals Fixed Reading

A4/A3 Single-Sided Originals; Fixed Reading

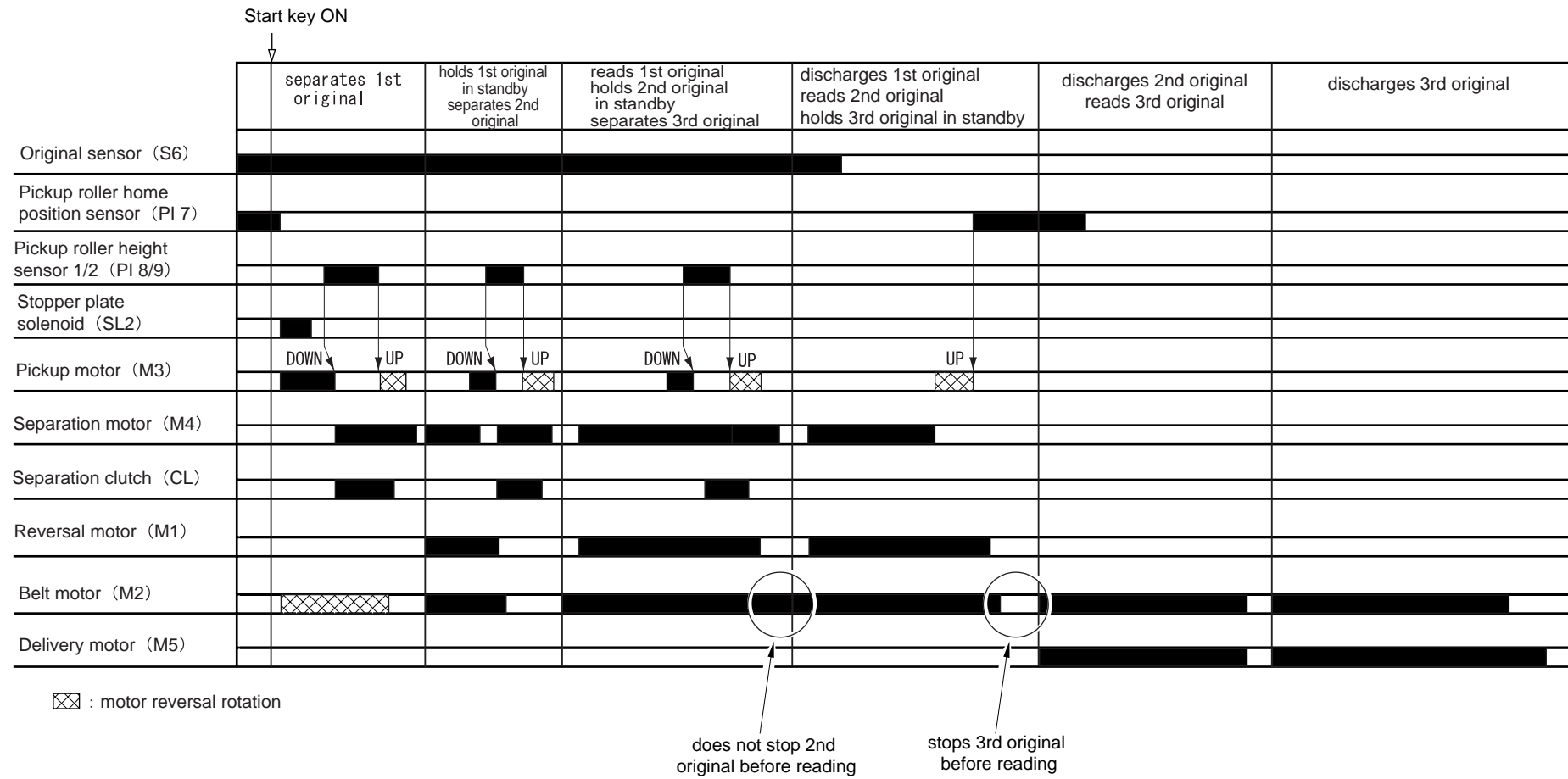


▨ : motor reverse rotation

F-1-2

A4 3 Originals Stream Reading

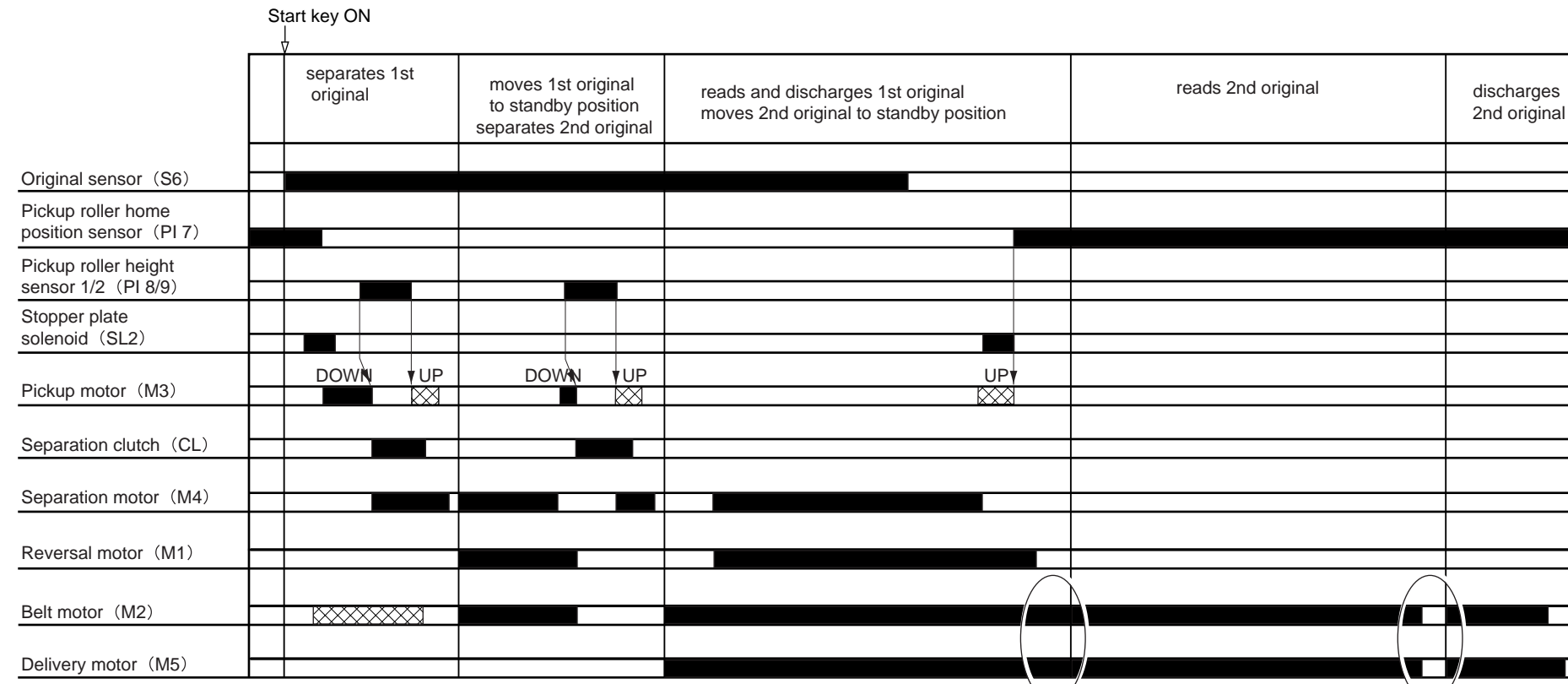
A4 Single-Sided Originals; Stream Reading



F-1-3

A3 2 Originals Stream Reading

A3, 2 Single-Sided Originals, Stream Reading



⊠ : motor reverse rotation

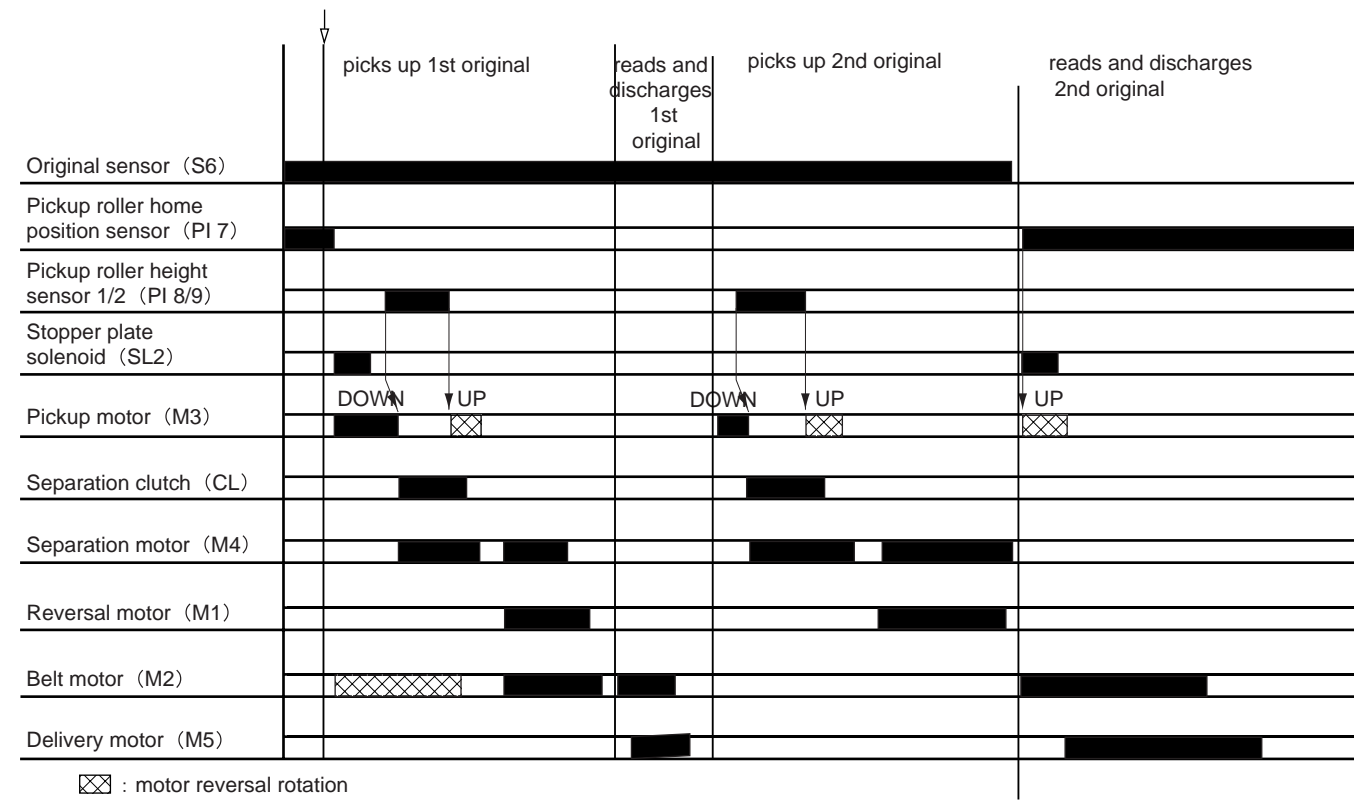
does not stop 2nd original before reading

stops 3rd original before reading

A4/ A3 2 Originals Stream Reading

A4/A3, 3 Single-Sided Originals; Stream Reading

Start key ON



F-1-5

A4 Two-Sided Originals Fixed Reading

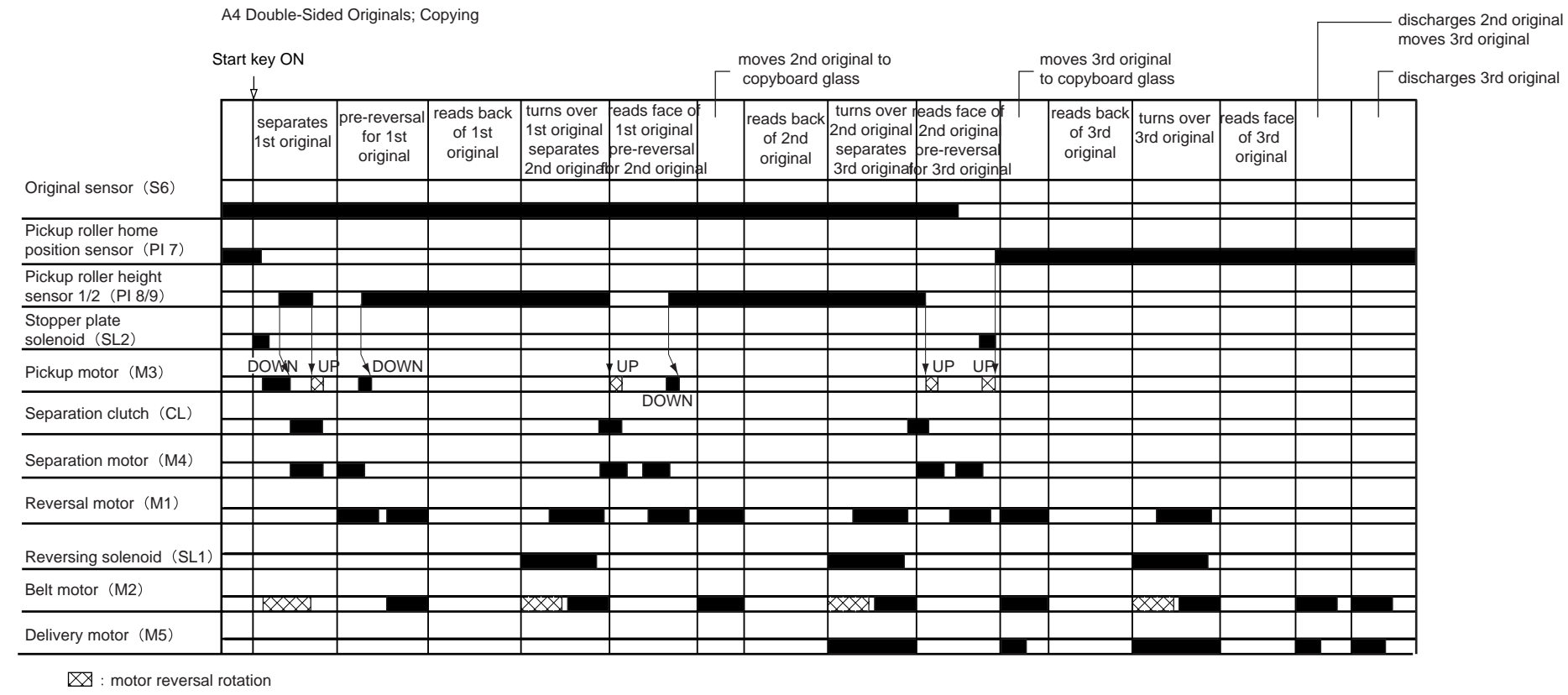
A4, 2 Double-Sided Originals; Scan

Start key ON

	picks up 1st original	reads face of 1st original	turns over 1st original	reads back of 1st original	turns over 1st original	discharges 1st original	picks up 2nd original	reads face of 2nd original	turns over 2nd original	reads back of 2nd original	turns over 2nd original	discharges 2nd original
Original sensor (S6)	[Solid black bar]											
Pickup roller home position sensor (PI 7)	[Solid black bar]											
Pickup roller height sensor 1/2 (PI 8/9)	[Solid black bar]											
Stopper plate solenoid (SL2)	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]
Pickup motor (M3)	DOWN	UP	DOWN				UP					
Separation clutch (CL)	[Solid black bar]	[Solid black bar]					[Solid black bar]					
Separation motor (M4)	[Solid black bar]	[Solid black bar]					[Solid black bar]	[Solid black bar]	[Solid black bar]			
Reversal motor (M1)	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]
Reversing solenoid (SL1)			[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]	[Solid black bar]
Belt motor (M2)	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]	[Cross-hatched bar]
Delivery motor (M5)						[Solid black bar]					[Solid black bar]	[Solid black bar]

⊠ : motor reversal rotation

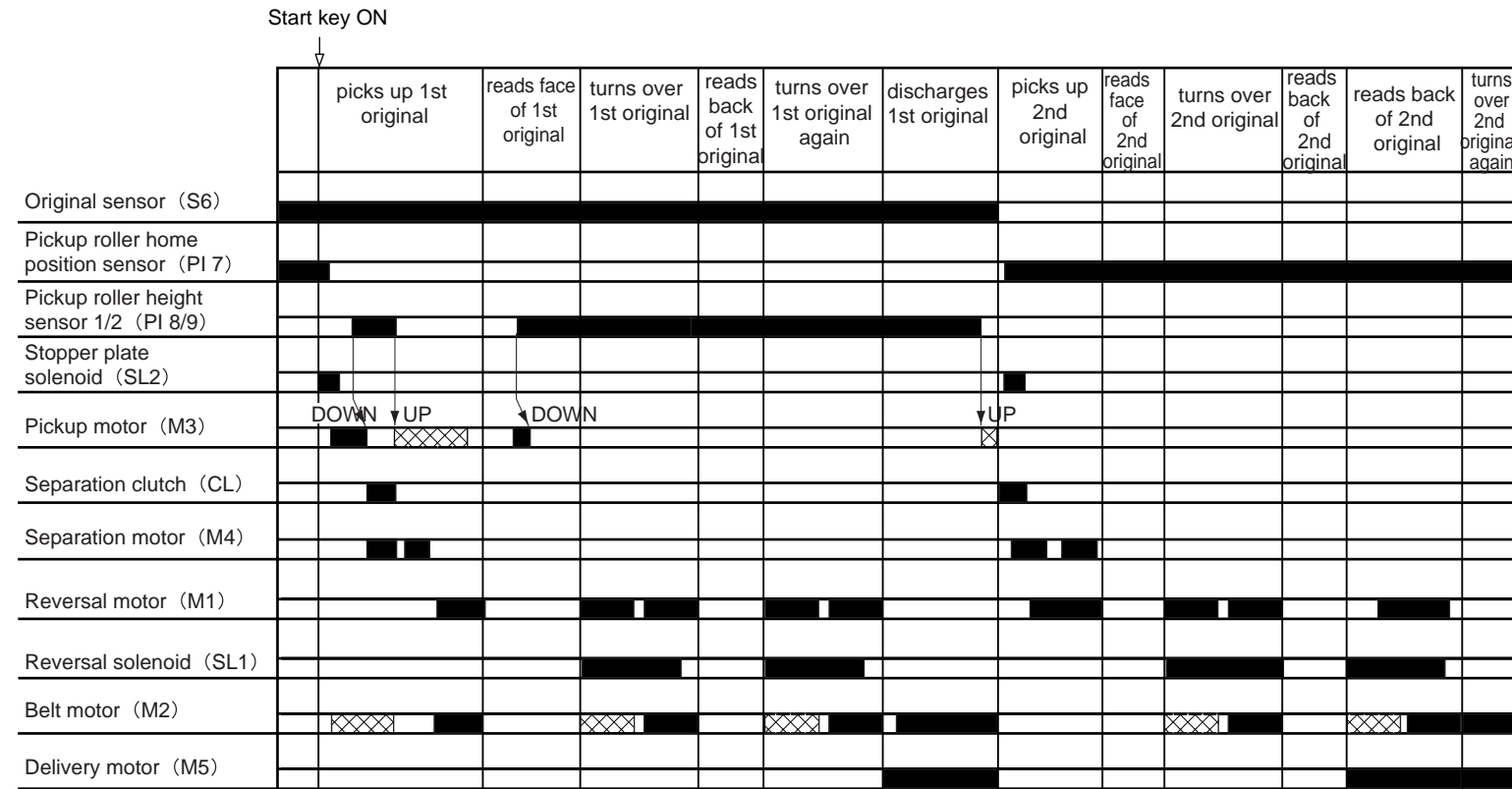
A3 Two-Sided Originals Fixed Reading



F-1-7

A4 2 Two-Sided Originals Scan

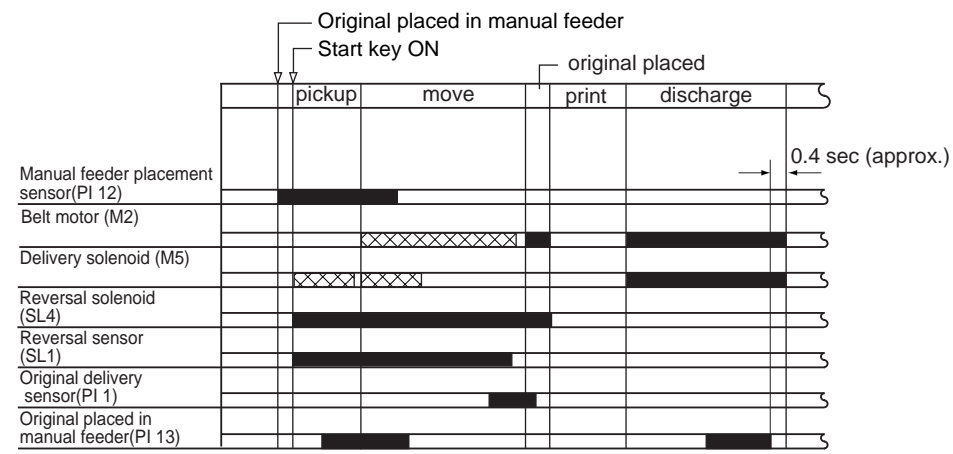
A4, 2 Double-Sided Originals; Scan



⊗ : motor reversal rotation

F-1-8

Manual Feed Copy



F-1-9

2 General Circuit Diagram

Signal Names

Signals and Abbreviations

The following is a list of signals and its abbreviations used in this chapter and circuit diagrams.

MEMO:

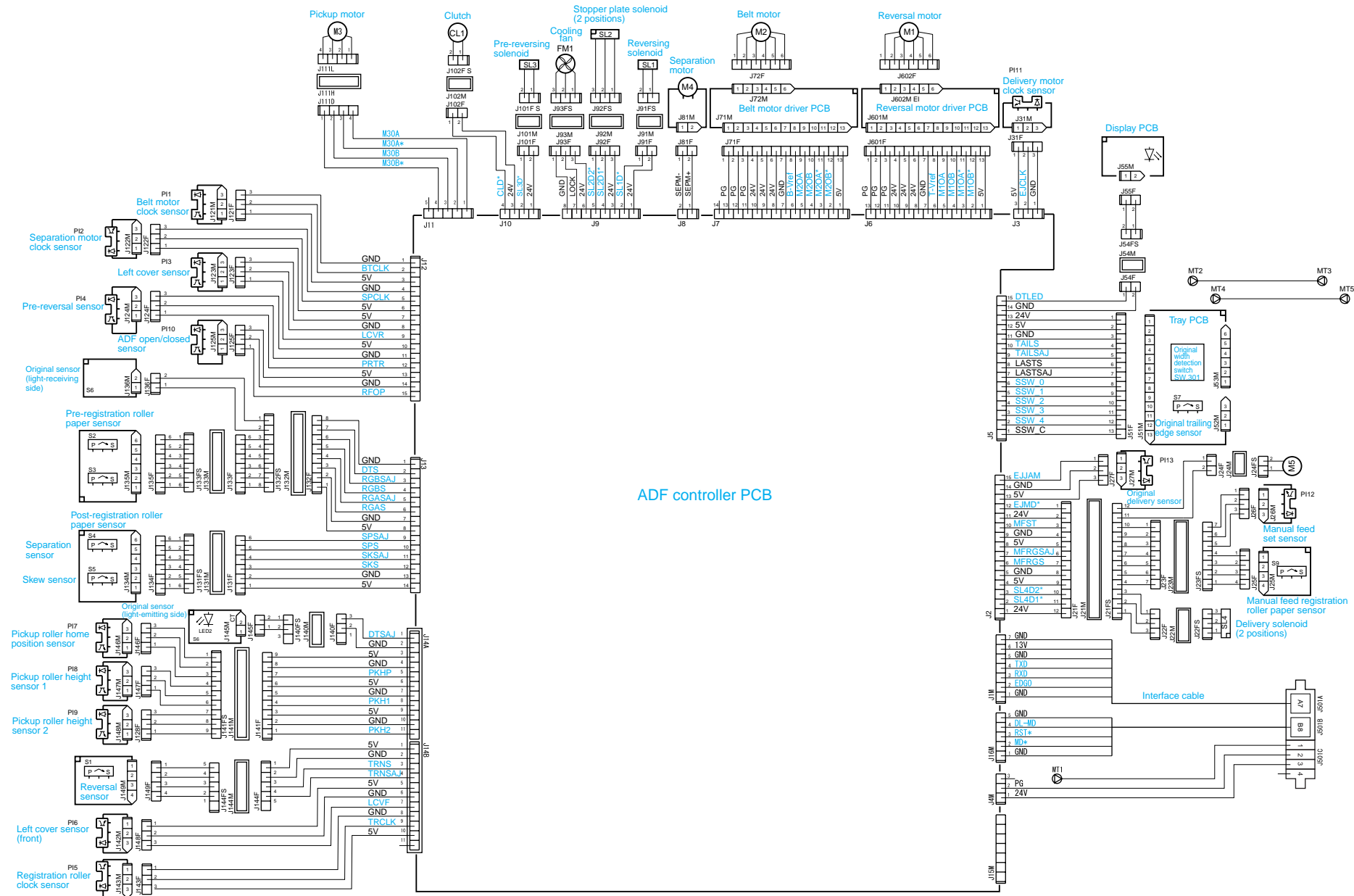
The abbreviations in parentheses are electrical signals but are analog, which cannot be expressed in terms of '1' or '0'. Others are digital signals, which can be expressed in terms of '1' and '0'.

T-2-1

BTCLK	Belt Motor ClockDetection signal
B-Vref	Belt Motor Rotation Torque signal
CLD*	Clutch Drive command
CW/CCW	Rotation Direction signal
DTLED	Original Set LED Drive command
DTS	Original Detection signal
DTSAJ	Original Detection Reference signal
EJCLK	Delivery Motor Clock Detection signal
EJJAM	Original Delivery Detection signal
EJMD*	Delivery Motor Drive command
LCVF	Left Cover Front Open/Closed Detection signal
LCVR	Left Cover Rear Open/Closed Detection signal
M1OA	Reversal Motor Drive command
M1OA*	Reversal Motor Drive command
M1OB	Reversal Motor Drive command
M1OB*	Reversal Motor Drive command
M3OA	Pick-Up Motor Drive command
M3OA*	Pick-Up Motor Drive command
M3OB	Pick-Up Motor Drive command
M3OB*	Pick-Up Motor Drive command
MFRGS	Manual Feeder Registration RollerOriginal Detection signal
MFRG-SAJ	Manual Feeder Registration RollerOriginal Detection Reference signal
MFST	Manual Feeder Original Set Detection signal
MO1	Belt Motor Drive command
MO2	Belt Motor Drive command
PKH1	Pick-Up Roller Height Detection Signal 1
PKH2	Pick-Up Roller Height Detection Signal 2

PKHP	Pick-Up Roller Home Position Detection signal
REF-CLK	Belt Motor Phase Control command
RFOP	ADF Open/Closed Detection signal
RGAS	Registration Rear Original Edge Detecting signal
RGASAJ	Registration Roller Rear Original Edge Detection Reference signal
RGBS	Registration Roller Front Original Edge Detection signal
RGBSAJ	Registration Roller Front Original Edge Detection Reference signal
PRTR	Pre-Reversal Detection signal
SEPM+	Separation Motor Drive command
SEPM-	Separation Motor Drive command
SKS	Original Skew Detection signal
SKSAJ	Original Skew Detection Reference signal
SL1D*	Reversing Solenoid Drive command
SL2D1*	Stopper Plate Solenoid Drive command (position 1)
SL2D2*	Stopper Plate Solenoid Drive command (position 2)
SL3D*	Pre-Reversal Solenoid Drive command
SL4D1*	Delivery Solenoid Drive signal (position 1)
SL4D2*	Delivery Solenoid Drive signal (position 2)
SPCLK	Separation Motor Clock Detection signal
SPS	Separation Detection signal
SPSAJ	Separation Detection Reference signal
SSW-0	Original Width Detection signal 0
SSW-1	Original Width Detection signal 1
SSW-2	Original Width Detection signal 2
SSW-3	Original Width Detection signal 3
SSW-4	Original Width Detection signal 4
TAILS	Original Trailing Edge Detection signal
TAILSAJ	Original Rear Edge Detection Reference signal
TNS	Reversal Detection signal
TNSAJ	Reversal Detection Reference signal
TRCLK	Registration Roller Clock Detection signal
T-Vref	Reversal Motor Rotation Torque signal

General Circuit Diagram
General Circuit Diagram



F-2-1

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