

FRU List

This topic provides a list of field-replaceable units for the Phaser 840 and 850 Color Printers.

Changes to Tektronix products are made to accommodate improved components as they become available. It is important when ordering parts to include the following information:

- Component's part number
- Product type or model number
- Serial number of the printer

Serial numbering. Particular fields in the serial number indicate the modification level of the printer, the date of its manufacture and the sequence number of the printer produced on that day. The serial number is coded as follows:

BLxxDMY

B indicates the headquarters city of the manufacturing company, Beaverton.

L indicates the modification level of the printer, ranging alpha-numerically from 0 to Z.

xx alpha-numerically indicates the sequence of the printer among the printers produced on that day of manufacture, ranging from 01 to ZZ representing 1 to 1296 (the letters I and O are not used).

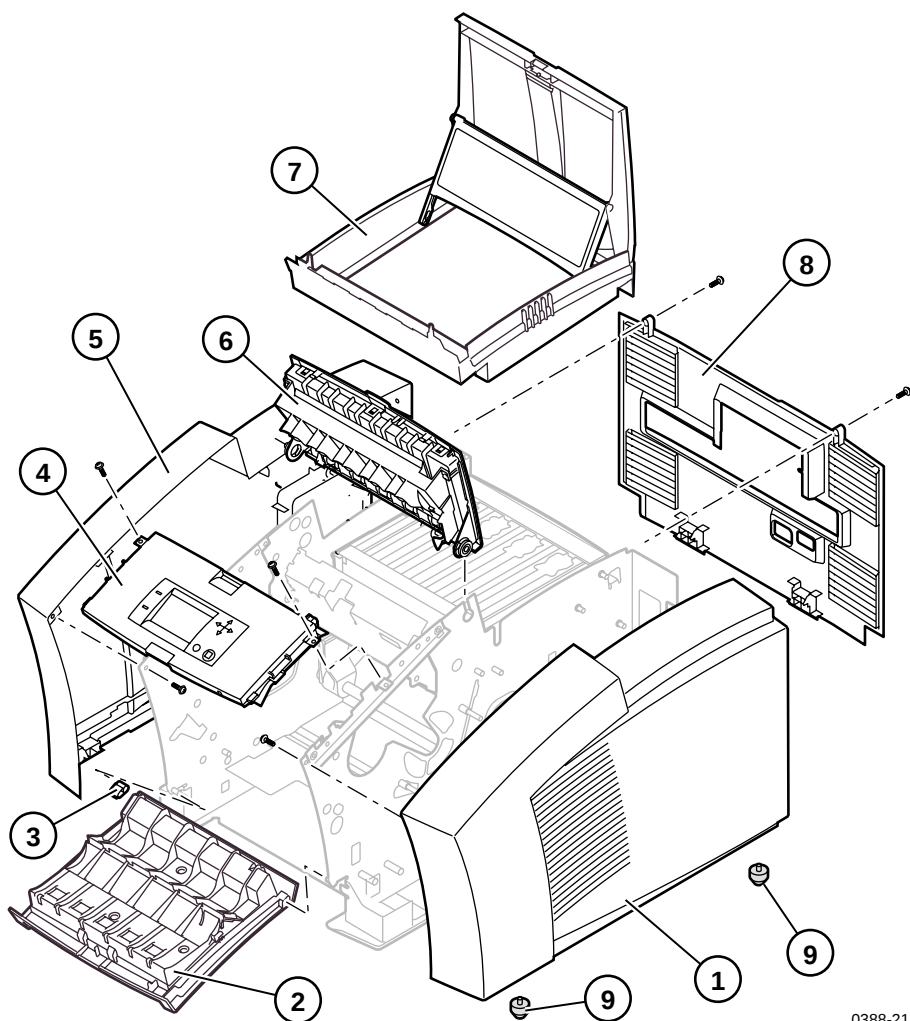
D alpha-numerically indicates the day of manufacture, ranging from 1 to X representing 1 to 31 (the letters I and O are not used).

M alpha-numerically indicates the month of manufacture, ranging from 1 to C representing 1 to 12.

Y numerically indicates the last digit of the year of manufacture, ranging from 0 to 9.

Table 1 Cabinet FRUs

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
1	200-4412-00			1	Right cover
	200-4591-00				Right cover, 840GP "Designer Edition"
2	200-4370-00			1	Front cover, jam access, Phaser 840
	200-4598-00			1	Front cover, am access door, 840GP "Designer Edition"
	200-4607-00			1	Front cover, jam access, Phaser 850
3	214-4814-00			1	Hinge, Front cover pivot
4	650-4028-00			1	Front cover, control panel, Phaser 840
	650-4121-00			1	Front cover, control panel, 840GP "Designer Edition"
	650-4143-00			1	Front cover, control panel, Phaser 850
5	200-4365-00			1	Left cover
	200-4589-00			1	Left cover, 840GP "Designer Edition"
6	200-4375-00			1	Exit cover, Phaser 840
	200-4599-00			1	Exit cover, 840GP "Designer Edition"
	200-4604-00			1	Exit cover, Phaser 850
7	200-4367-00			1	Top cover with inkload door
	200-4600-00			1	Top cover with inkload door, 840GP "Designer Edition"
8	200-4377-00			1	Rear cover
	200-4592-00			1	Rear cover, 840GP "Designer Edition"
9	650-4104-00			4	Printer feet

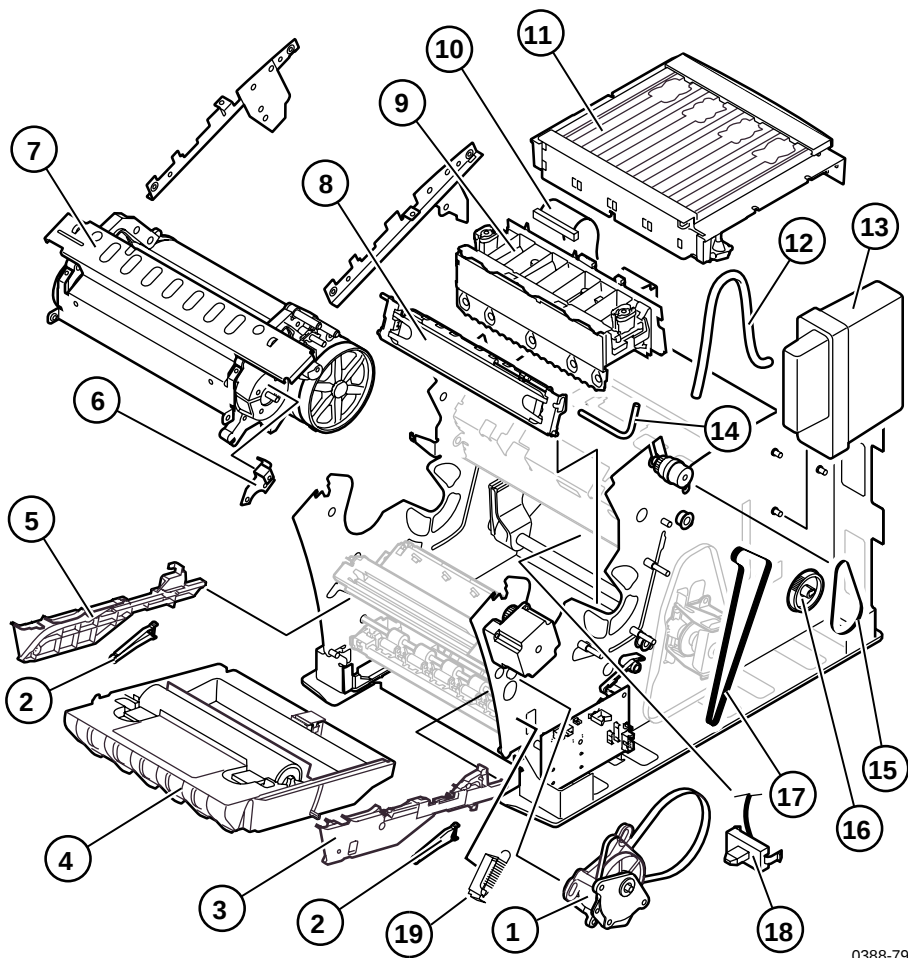


0388-21

Figure 1 Cabinet FRUs

Table 2 Imaging FRUs

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
1	650-4027-00			1	Y-axis pulley assembly, Phaser 840
	650-4149-00			1	Y-axis pulley assembly, Phaser 850
2	214-4651-01			1	Drum maintenance actuators, left and right (Phaser 840
	367-0515-00			1	Drum maintenance actuators, left and right (Phaser 850
3	351-1051-00			1	Maintenance drawer guide, left
4	436-0383-00			1	Maintenance drawer, with 10k roller
5	351-1053-00			1	Maintenance drawer guide, right
6	650-3617-00			1	Spring, transfix actuation. Part of 650-3617-00 Drum/Transfix Assy Kit, Phaser 840
	214-4926-00			1	Spring, transfix actuation, Phaser 850
7	650-3617-00			1	Drum/transfix assembly. Part of 650-3617-00 Drum/Transfix Assy Kit, Phaser 840
	650-4140-00			1	Drum/transfix assembly. Part of 650-4140-00 Drum/Transfix Assy Kit, Phaser 850
8	441-2137-03			1	Cap/wipe/purge assembly, Phaser 840
	650-4179-00				Cap/wipe/purge assembly, Phaser 850
9	650-3623-00			1	Printhead kit, Phaser 840
	650-4112-00				Printhead kit, Phaser 850
10	174-3807-00			1	Cable, printhead data
11	650-4025-00			1	Ink loader, Phaser 840
	650-4141-00				Ink loader, Phaser 850
12	166-0714-00			1	Vacuum hose, rubber
13	147-0079-00			1	Vacuum/pump assembly
14	166-0713-00			1	Vacuum hose, rigid
15	650-3615-00			1	Head maintenance drive belt. Part of 650-3615-00 Belt Kit
16	650-3619-00			1	Pulley, head maintenance drive. Part of 650-3619-00 Gear Kit
17	650-3615-00			1	Head maintenance timing belt and ratchet clips. Part of 650-3615-00 Belt Kit
18	134-0265-00			1	Plug, Maintenance drawer life counter
19	650-4148-00			1	Y-axis tensioner, Phaser 850
	200-4379-01			1	Cover heat plate, printhead thermal duct



0388-79

Figure 2 Imaging FRUs

Table 3 Paper path FRUs

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
1	351-1045-00			1	Guide, media tray, right
2	351-1032-00			1	Guide, pick assembly
3	351-1046-00			1	Guide, media tray, left
4	401-0778-01 401-0858-00			1	Lower feed roller, Phaser 840 Lower feed roller, Phaser 850
5	401-0813-01			1	Paper pick roller
6	650-3978-00 650-4155-00			1 1	Drum/paper heater assembly, Phaser 840 Drum/paper heater assembly, Phaser 850
7	351-1047-01 351-1048-00 351-1079-00			1 1 1	Upper feed assy, top half, with circuit bd Upper feed assy, lower half, Phaser 840 Upper feed assy, lower half, Phaser 850
8	351-1035-00			1	Duplex paper guide
9	401-0841-01 401-0867-00			1	Duplex roller, Phaser 840 Duplex roller, Phaser 850
10	650-4026-00			1	Upper stripper finger assembly
11	386-7018-00			1	Lower stripper finger assembly, Phaser 840
11a	384-1849-00			1	Stripper blade shaft, Phaser 850
11b	650-4158-00				Rapid release guide blade assembly, Phaser 850
12	401-0781-01 401-0857-00			1	Exit roller, Phaser 840 Exit roller, Phaser 850
13	351-1016-00			1	Guide, lower exit, pivoting

Table 4 Motor and fan FRUs

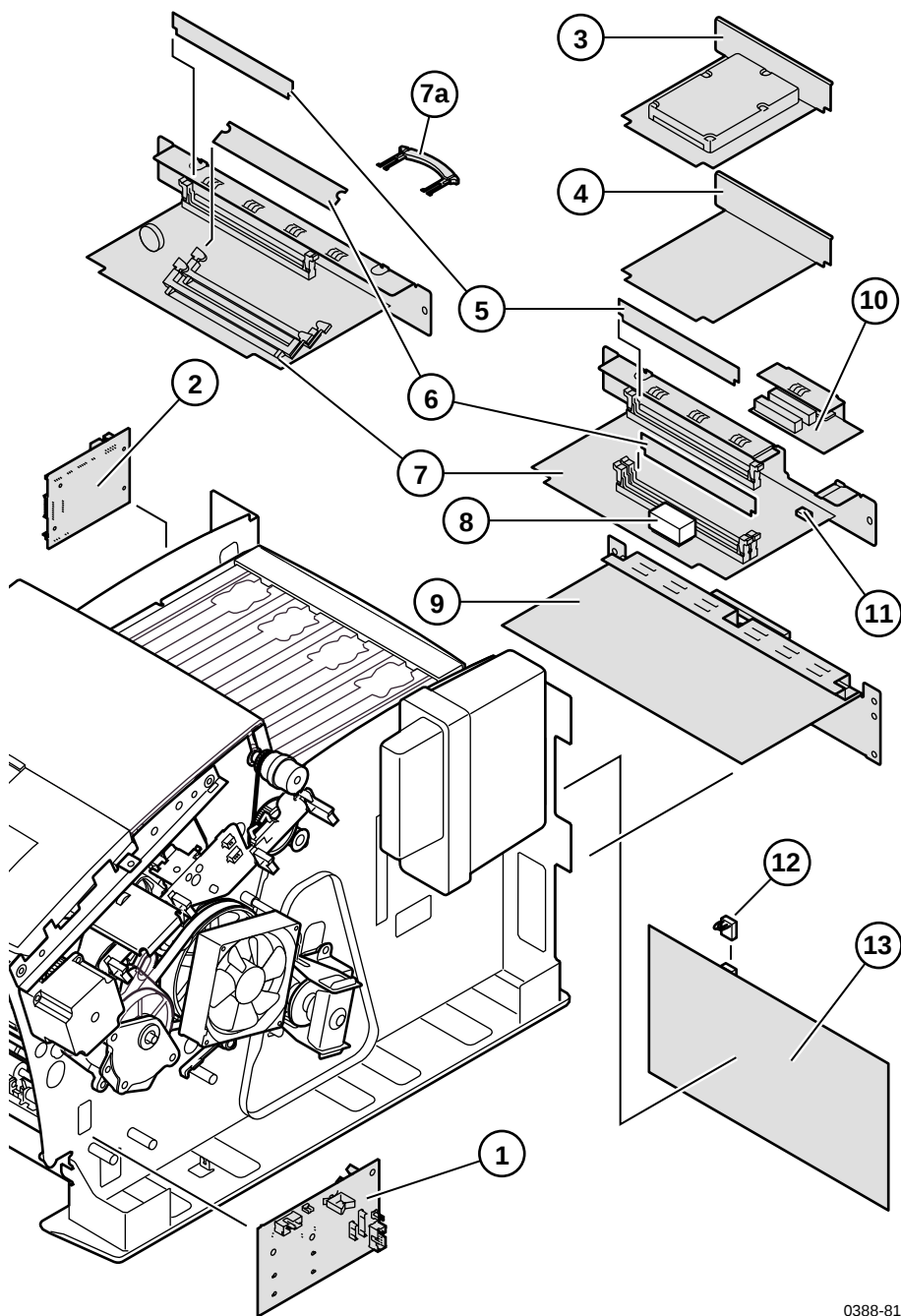
Parts	Part number	Serial number Effective Discont'd	Qty	Name and description
1	147-0086-00		1	X-axis motor with gear
2	650-3621-00 650-4147-00		1	X-axis drive assembly, Phaser 840 X-axis drive assembly, Phaser 850
3	119-5876-00		1	Drum fan
4	147-0180-01		1	Paper path motor
5	147-0082-00 147-0113-00		1	Y-axis motor, Phaser 840 Y-axis motor, Phaser 850
6	147-0108-01 147-0112-01		1	Process motor, with encoder, Phaser 840 Process motor, with encoder, Phaser 850
7	119-5781-00		1	Main fan



161

Table 5 Circuit board FRUs

Parts	Part number	Serial number Effective Discont'd	Qty	Name and description
1	671-4194-50		1	I/O board, right
2	671-4195-50		1	I/O board, left, Phaser 840
	671-5026-50		1	I/O board, left, Phaser 850
3	671-4542-50		1	IDE hard drive, internal, Phaser 840
	650-4176-00			IDE hard drive, internal, programmed, Phaser 850
	386-6997-00			Blank cover plate (no hard drive)
4a	671-3994-00		1	100Base T Ethernet card, Phaser 840
4b	671-4034-00		1	LocalTalk network card, Phaser 840
4c	671-3932-00		1	Token Ring network card
4d	386-6998-00		1	Blank cover plate, no network card
5			1	Phaser 840 Masked
	671-4576-50		1	Code ROM DIMM, English OS 1.36/PS 8.64/Eng 8.12/Net 10.50
	671-4575-53		1	Code ROM DIMM, English OS 1.38/PS 8.76/Eng 8.22/Net 10.62
	671-4674-00		1	Code ROM DIMM, Japanese Morisawa
	671-4675-00		1	Code ROM DIMM, Chinese Traditional
	671-4676-00		1	Code ROM DIMM, Chinese Simplified
	671-4677-00		1	Code ROM DIMM, Korean Hangul
	671-4748-00		1	Code ROM DIMM, Japanese Heisei
	671-5103-50		1	Phaser 850 One Time Programmable Code ROM DIMM, English, Base
	671-5104-50		1	Code ROM DIMM, English, Plus
	674-5105-50		1	Code ROM DIMM, Japan Heisei, Base
	674-5106-50		1	Code ROM DIMM, Japan Heisei, Plus <i>Japanese Morisawa and Heisei, Chinese Traditional and Simplified, Korean Hangul fonts on the internal hard drive</i>
6	156-4800-10		1	32-Mbyte RAM DIMM
	156-4759-00		1	32-Mbyte RAM DIMM, Phaser 850 only
	156-4811-10		1	64-Mbyte RAM DIMM
	156-4780-10		1	128 Mbyte RAM DIMM, Phaser 850 only
7	650-3991-00		1	Main board, Phaser 840
	650-4142-00		1	Main board, Phaser 850
7a	367-0506-00		1	Board pull-out handle
8	156-4691-00		1	Dallas Real Time Clock/NVRAM Module, Phaser 840
9	650-4024-01		1	Power supply
10	671-4053-50		1	SCSI riser board assembly, Phaser 840
	386-7074-00			Blank cover plate (no SCSI riser board), Phaser 840
11	163-1217-00		1	Boot ROM/Printer ID, Phaser 840
	163-1425-00			Boot ROM/Printer ID, Phaser 850
12	131-6411-00		1	Jumper, +40 volt isolation
13	650-4029-00		1	Power control board, Phaser 840
	650-4157-00			Power control board, Phaser 850

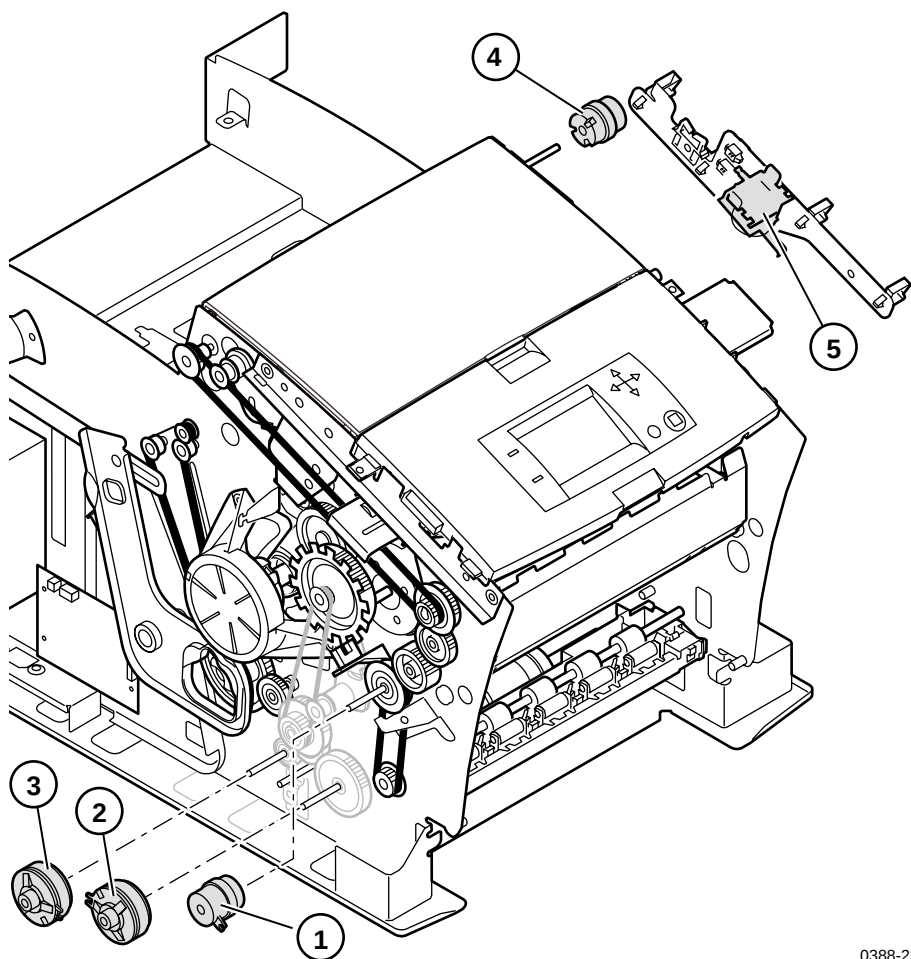


0388-81

Figure 5 Circuit board FRUs

Table 6 Solenoid and clutch FRUs

Parts	Part number	Serial number Effective	Discont'd	Qty	Name and description
1	401-0792-00			1	Electric clutch, upper feed roller, exit roller, Phaser 840
	401-0855-00				Electric clutch, upper feed roller, exit roller, Phaser 850
2	401-0808-01			1	Electric clutch, pick roller
3	401-0807-00			1	Electric clutch, drum maintenance, Phaser 840
	401-0871-00				Electric clutch, drum maintenance, Phaser 850
4	401-0792-00			1	Electric clutch, cap/wipe/purge drive, Phaser 840
	401-0855-00			1	Electric clutch, cap/wipe/purge drive, Phaser 850
5	148-0301-01			1	Solenoid, transfix assembly

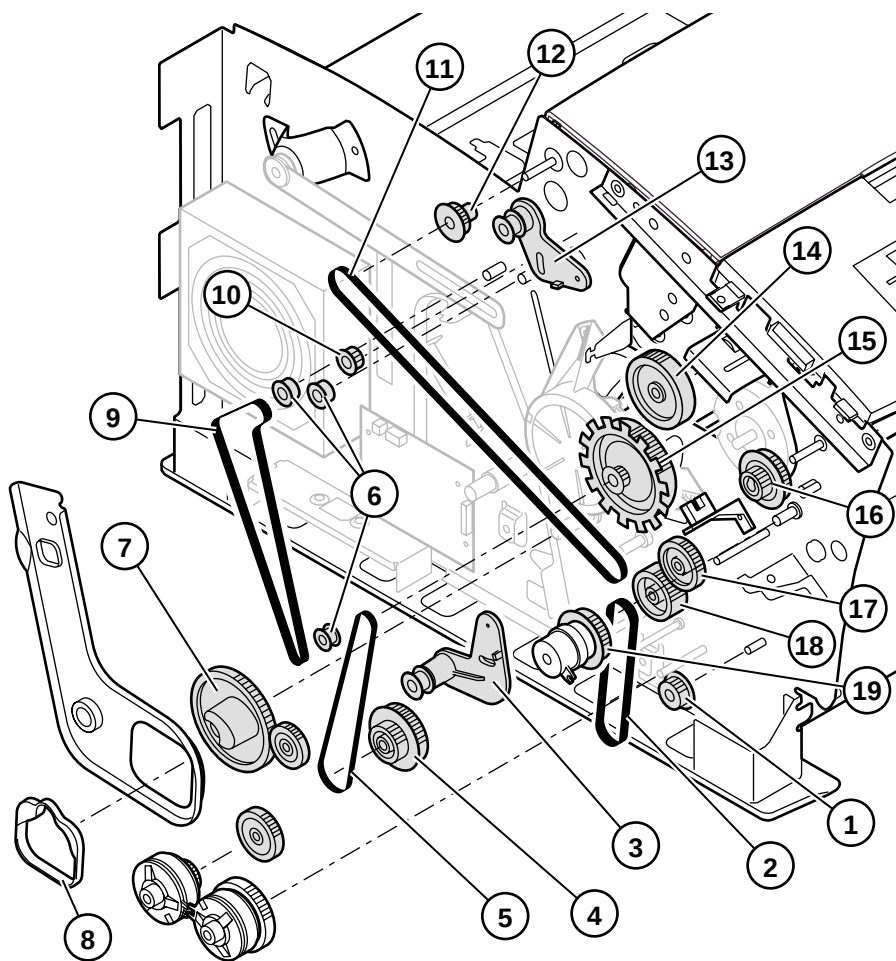


0388-23

Figure 6 Solenoid and clutch FRUs

Table 7 Gear and belt FRUs

Parts	Part number	Serial number Effective Discont'd	Qty	Name and description
1	650-3619-00		5	Pulley, lower paper transport. Part of 650-3619-00 Gear Kit
2	650-3615-00		2	Paper feed roller drive belt. Part of 650-3615-00 Belt Kit
3	650-3615-00		5	Tensioner, process belt. Part of 650-3615-00 Belt Kit
4	650-3619-00		1	Lower process, gear/pulley; Part of 650-3619-00 Gear Kit
5	650-3615-00		1	Process drive belt. Part of 650-3615-00 Belt Kit
6	650-3619-00		5	Roller, flat, head maintenance. Part of 650-3619-00 Gear Kit
7	650-3619-00		5	Head tilt cam gear. Part of 650-3619-00 Gear Kit
8	351-1015-00		1	Guide, head tilt
9	650-3615-00		2	Head maintenance timing belt and ratchet clip. Part of 650-3615-00 Belt Kit
10	650-3619-00		5	Pulley, drive, head maintenance. Part of 650-3619-00 Gear Kit
11	650-3615-00		1	Exit roller drive belt. Part of 650-3615-00 Belt Kit
12	650-3619-00		5	Pulley, exit drive. Part of 650-3619-00 Gear Kit
13	650-3615-00		1	Tensioner, exit drive belt. Part of 650-3615-00 Belt Kit
14	650-3619-00		5	Transfix gear, eccentric. Part of 650-3619-00 Gear Kit
15	650-3619-00		5	Gear, compound eccentric, flagged. Part of 650-3619-00 Gear Kit
16	650-3619-00		5	Duplex roller, gear pulley. Part of 650-3619-00 Gear Kit
17	650-3619-00		5	Paper path, idler 1. Part of 650-3619-00 Gear kit
18	650-3619-00		5	Paper path, idler 2. Part of 650-3619-00 Gear Kit
19	650-3619-00		5	Gear/pulley, upper feed roller, preheat entry. Part of 650-3619-00 Gear Kit



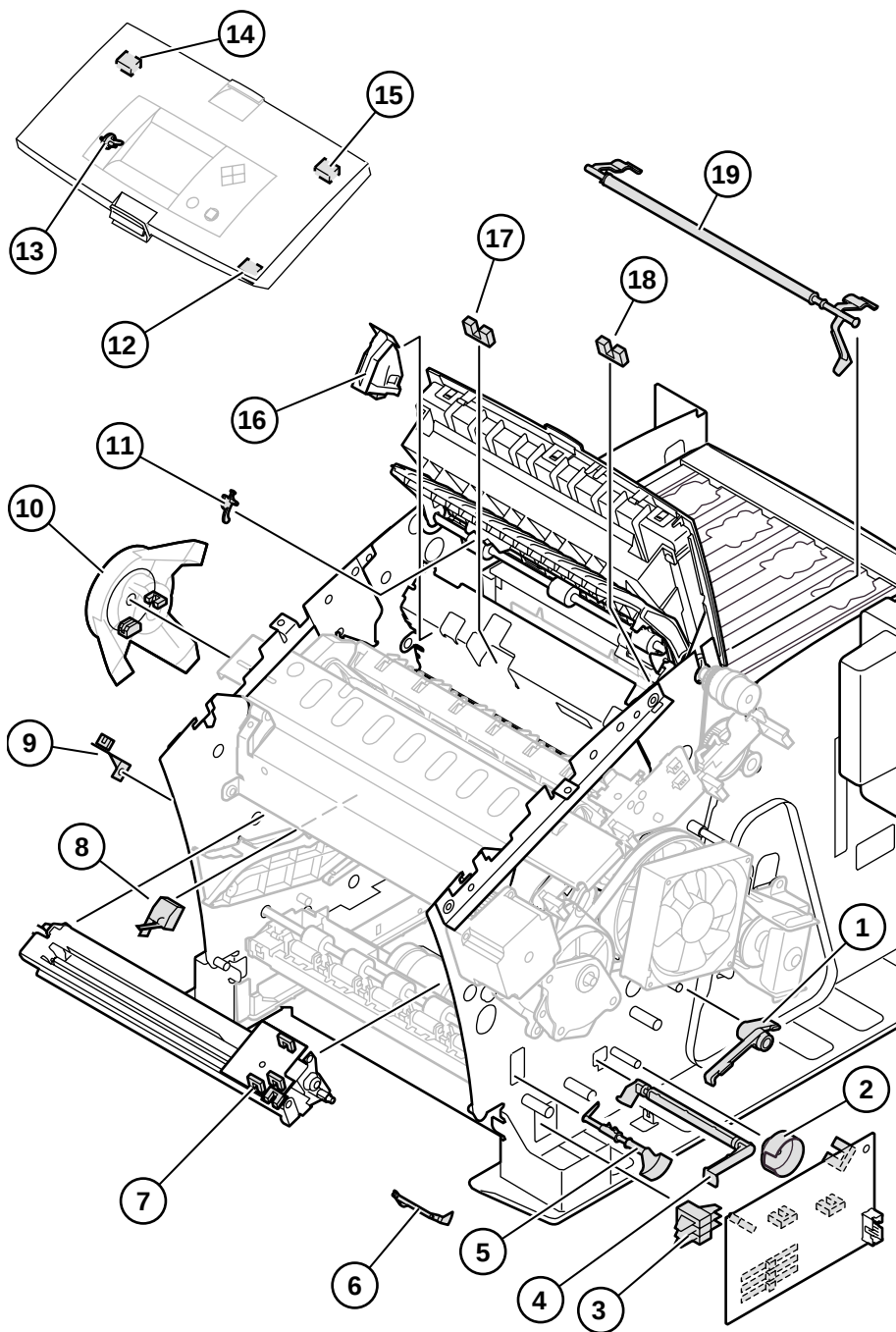
0388-22

Figure 7 Gear and belt FRUs

All sensor flags are provided in Flag Kit 650-3618-00 (Phaser 840 printer) or 650-4156-00 (Phaser 850 printer).

Table 8 Sensor and flag FRUs

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
1	650-3618-00			1	Cap/wipe/purge home flag, Phaser 840
	650-4156-00			1	Cap/wipe/purge home flag, Phaser 850
2	650-3618-00			1	Drum maint cam home flag, Phaser 840
	650-4156-00			1	Drum maint cam home flag, Phaser 850
3	386-6902-00			1	Media tray sense flag assy
4	650-3618-00			1	Paper out sensor flag, Phaser 840
	650-4156-00			1	Paper out sensor flag, Phaser 850
5	650-3618-00			1	Paper pick flag, Phaser 840
	650-4156-00			1	Paper pick flag, Phaser 850
6	650-3618-00			1	Handfeed sensor flag, inside front access cover, Phaser 840
	650-4156-00			1	Handfeed sensor flag, inside front access cover, Phaser 850
7	351-1047-01			1	Preheat entry/left edge sensor, A-size sensor, handfeed sensor. Part of 351-1047-01 upper feeder roller assy with circuit board
8	119-5803-00			1	Preheater exit sensor assembly
9	119-4968-00			1	Process gear sensor
10	650-3622-00			1	Y-axis encoder kit, Phaser 840
	650-4144-00			1	Y-axis encoder kit, Phaser 850
11	650-3618-00			1	Transfix exit sensor flag, Phaser 840
	650-4156-00			1	Transfix exit sensor flag, Phaser 850
12					Par t of Front cover, Control Panel
	640-4028-00			1	Front cover open sensor, Phaser 840
	650-4121-00			1	Front cover open sensor, Phaser 840GP
13	650-3618-00			1	Duplex paper sensor flag, Phaser 840
	650-4156-00			1	Duplex paper sensor flag, Phaser 850
14					Par t of Front cover, Control Panel
	640-4028-00			1	Duplex paper sensor, Phaser 840
	650-4121-00			1	Duplex paper sensor, Phaser 840GP
15	650-4143-00			1	Duplex paper sensor, Phaser 850
					Par t of Front cover, Control Panel
	640-4028-00			1	Exit cover open sensor, Phaser 840
16	650-4121-00			1	Exit cover open sensor, Phaser 840GP
	650-4143-00			1	Exit cover open sensor, Phaser 850
16	119-5795-01			1	Drum temperature sensor assembly
17	119-5802-00			1	Transfix exit sensor
18	119-5802-00			1	Paper exit/tray full sensor
19	650-3618-00			1	Paper exit/tray full flag, Phaser 840
	650-4156-00			1	Paper exit/tray full flag, Phaser 850



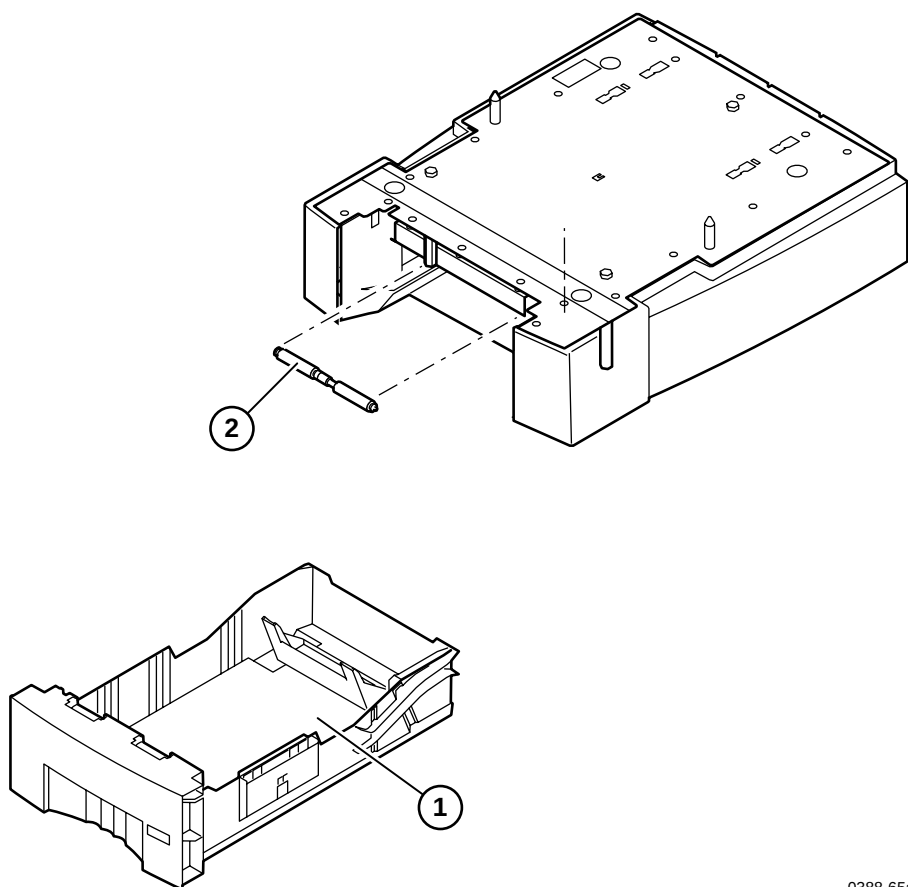
0388-15

Figure 8 Sensor and flag FRUs

High-capacity Paper Tray Assembly

Table 9 High-capacity Paper Tray FRUs

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
1	436-0328-00			1	High-capacity paper tray, A-size
	436-0329-00				High-capacity paper tray, A4-size
2	116-0272-00			1	Paper pick roller
	437-0467-00				High-capacity paper tray assembly, A-size, includes tray
	437-0468-00				High-capacity paper tray assembly, A4-size, includes tray



0388-65a

Figure 9 High-capacity Paper Tray

Service tools

Table 10 Service tools

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
	003-1489-00			1	Y-axis encoder disk spacer tool
	003-1500-00			1	Y-axis belt tensioner, Phaser 840
	006-7997-00			1	Grease, Rheolube 768
	012-1535-00			1	Cable, Diagnostics,PC, DB-9F to DB25M
	012-1543-00			1	Cable, adapter, diagnostics
	003-1707-00			1	+40 volt service plug and jumper
	003-1749-00			1	Head-to-drum calibration tool kit, Phaser 840
	003-1733-00			1	Head-to-drum spacer replacements, Phaser 840
	063-3009-00			1	Service diagnostics diskette, SW, Phaser 840
	063-3346-00			1	Service diagnostics diskette, SW, Phaser 850
	650-3973-00				Phaser 840 Tool kit - Encoder Alignment Tool - Head to Drum Gap Tool Assy. - Y-Axis Belt Tensioner tool - Serial Adapter Cable - 40-v Service Plug - PC DB-9F to DB25M Cable - Vacuum gauge assembly
	650-4103-00				Phaser 850 Tool kit - Encoder Alignment Tool - Serial Adapter Cable - 40V Service Plug - PC DB-9F to DB25M Cable - Vacuum gauge assembly
	003-1623-00			1	Spring removal tool
	650-3620-00				Hardware kit, Phaser 840
	650-4145-00				Hardware kit, Phaser 850
	650-3616-00				Cable kit, printer wiring harnesses, Phaser 840
	650-4139-00				Cable kit, printer wiring harnesses, Phaser 850
	650-4051-00				Vacuum Gauge assembly
	071-0388-01				Phaser 840/850 Printer Service Quick Reference Guide

Supplies and accessories

Table 11 Supplies and accessories

Parts	Part number	Serial number Effective	Discont'd	Qty	Name and description
	016-1595-00			1	Cleaning Kit
	016-1845-00				5 Tekwipes
	016-1604-00			1	Phaser 840 Black Ink, 3 pack
	016-1605-00			1	Phaser 840 Cyan Ink, 5 pack plus 2 black sticks
	016-1606-00			1	Phaser 840 Magenta Ink, 5 pack plus 2 black sticks
	016-1607-00			1	Phaser 840 Yellow Ink, 5 pack plus 2 black sticks
	016-1608-00			1	Phaser 840 Rainbow pack, 1 stick each color
	016-1582-00			1	Phaser 840 Cyan Ink, 2 pack plus 1 black sticks
	016-1583-00			1	Phaser 840 Magenta Ink, 2 pack plus 1 black sticks
	016-1584-00			1	Phaser 840 Yellow Ink, 2 pack plus 1 black sticks
	016-1831-00			1	Phaser 850 Black Ink, 3 pack
	016-1825-00			1	Phaser 850 Cyan Ink, 5 pack plus 2 black sticks
	016-1826-00			1	Phaser 850 Magenta Ink, 5 pack plus 2 black sticks
	016-1827-00			1	Phaser 850 Yellow Ink, 5 pack plus 2 black sticks
	016-1833-00			1	Phaser 850 Rainbow pack, 1 stick each color
	016-1828-00			1	Phaser 850 Cyan Ink, 2 pack plus 1 black sticks
	016-1829-00			1	Phaser 850 Magenta Ink, 2 pack plus 1 black sticks
	016-1830-00			1	Phaser 850 Yellow Ink, 2 pack plus 1 black sticks
	436-0330-00 436-0395-00			1	Tray, Paper, A-size Tray, Paper, A-size, Z840DP "Designer Edition"
	436-0332-00 436-0396-00			1	Tray, Paper, A4-size Tray, Paper, A4-size, Z840DP "Designer Edition"

Table 11 Supplies and accessories

Parts	Part number	Serial number Effective	Discont'd	Qty	Name and description
1	436-0336-00			1	Tray, High-volume transparency, A-size
1	436-0338-00			1	Tray, High-volume transparency, A4-size
	116-0838-00				Separator pad, paper
	016-1727-00			1	Extended maintenance cartridge kit; roller and counter, Phaser 840
	016-1822-00			1	Standard maintenance cartridge kit; roller and counter, Phaser 850
	016,1834-00			1	Extended maintenance cartridge kit; roller and counter, Phaser 850
	436-0370-01				Waste ink tray
	016-1368-00				A-size paper, 500 sheets
	016-1369-00				A4-size paper, 500 sheets
	016-1724-00				Premium Transparency, 50 sheets, A-size
	016-1725-00				Premium Transparency, 50 sheets, A4-size
	016-1720-00				Standard Transparency, 50 sheets, A-size
	016-1721-00				Standard Transparency, 50 sheets, A4-size
	016-1194-00				A-size transparency pockets
	016-1130-00				A-size transparency sleeves
	016-1131-00				A4-size transparency sleeves
	013-0299-00				Parallel cable adapter, 1284C to 1284B
	070-9102-00				Phaser 840 User Guide, English
	070-9102-10				Phaser 840 User Guide, French
	070-9102-20				Phaser 840 User Guide, Italian
	070-9102-30				Phaser 840 User Guide, German
	070-9102-40				Phaser 840 User Guide, Spanish
	070-9102-70				Phaser 840 User Guide, Simplified Chinese
	070-9102-80				Phaser 840 User Guide, Traditional Chinese
	070-9102-90				Phaser 840 User Guide, Korean
	070-9102-05				Phaser 840 User Guide, Russian
	061-4200-00				Z840 "Designer Edition" Manual Pack: Welcome Kit, User Guide, Driver CD-ROM,

Table 11 Supplies and accessories

Parts	Part number	Serial number Effective	Discont'd	Qty	Name and description
	061-4201-00				Z840 "Designer Edition" Country Kit: Cleaning Kit, Setup Poster, Parallel Cable Adapter, ATM CD-ROM,
	070-9103-00				Advanced Topics and Troubleshooting Manual, English
	063-3126-01				Adobe Type Manager, CD SW
	063-3166-00				Phaser 840 Drivers and Utilities, CD SW
	063-2627-00				Phaser 840 Drivers and Utilities, Diskettes, English
	063-2627-10				Phaser 840 Drivers and Utilities, Diskettes, French
	063-2627-20				Phaser 840 Drivers and Utilities, Diskettes, Italian
	063-2627-30				Phaser 840 Drivers and Utilities, Diskettes, German
	063-2627-40				Phaser 840 Drivers and Utilities, Diskettes, Spanish
	063-2627-70				Phaser 840 Drivers and Utilities, Diskettes, Simplified Chinese
	063-2627-80				Phaser 840 Drivers and Utilities, Diskettes, Traditional Chinese
	063-2627-90				Phaser 840 Drivers and Utilities, Diskettes, Korean
	063-2627-05				Phaser 840 Drivers and Utilities, Diskettes, Russian
	061-4208-00				Phaser 850 Manual pack, English
	061-4208-10				Phaser 850 Manual pack, French
	061-4208-15				Phaser 850 Manual pack, Pacific MNL C K
	061-4208-20				Phaser 850 Manual pack, Italian
	061-4208-30				Phaser 850 Manual pack, German
	061-4208-40				Phaser 850 Manual pack, Spanish
	061-4208-60				Phaser 850 Manual pack, Brazilian/Portuguese
	061-4208-70				Phaser 850 Manual pack, Simplified Chines
	061-4208-80				Phaser 850 Manual pack, Traditional chinese
	061-4208-90				Phaser 850 Manual pack, Korean

Table 11 Supplies and accessories

Parts	Part number	Serial number		Qty	Name and description
		Effective	Discont'd		
	063-3322-00				Phaser 850 Drivers and Utilities, CD-ROM, English
	063-3322-10				Phaser 850 Drivers and Utilities, CD-ROM, French, Italian, German, Spanish
	063-3322-35				Phaser 850 Drivers and Utilities, CD-ROM, Japanese
	063-3322-70				Phaser 850 Drivers and Utilities, CD-ROM, Simplified Chinese, Traditional Chinese, Korean
	063-3178-00				Network Setup Guide, English
	063-3178-10				Network Setup Guide, French
	063-3178-20				Network Setup Guide, Italian
	063-3178-30				Network Setup Guide, German
	063-3178-40				Network Setup Guide, Spanish
	161-0066-00				Power cord, Standard U.S., 115V
	161-0066-09				Power cord, Euro, 220V
	161-0066-10				Power cord, United Kingdom, 240V
	161-0066-11				Power cord, Australian, 250V
	161-0154-00				Power cord, Swiss, 220V
	161-0240-00				Power cord, Danish
	065-0580-00				Shipping carton kit, Phaser 840
	065-0589-00				Shipping carton kit, Phaser 850