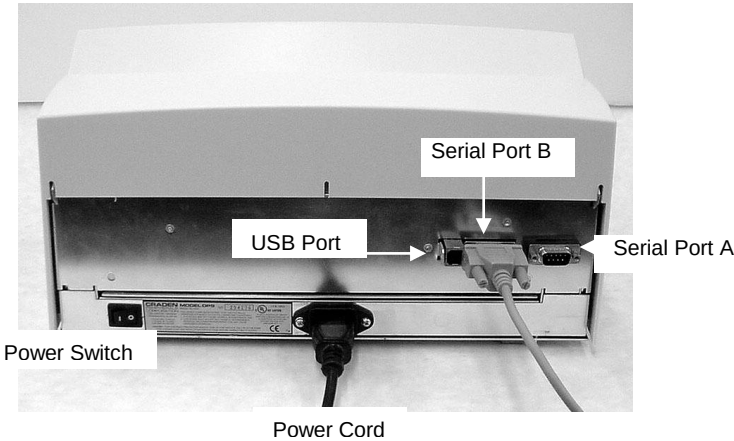
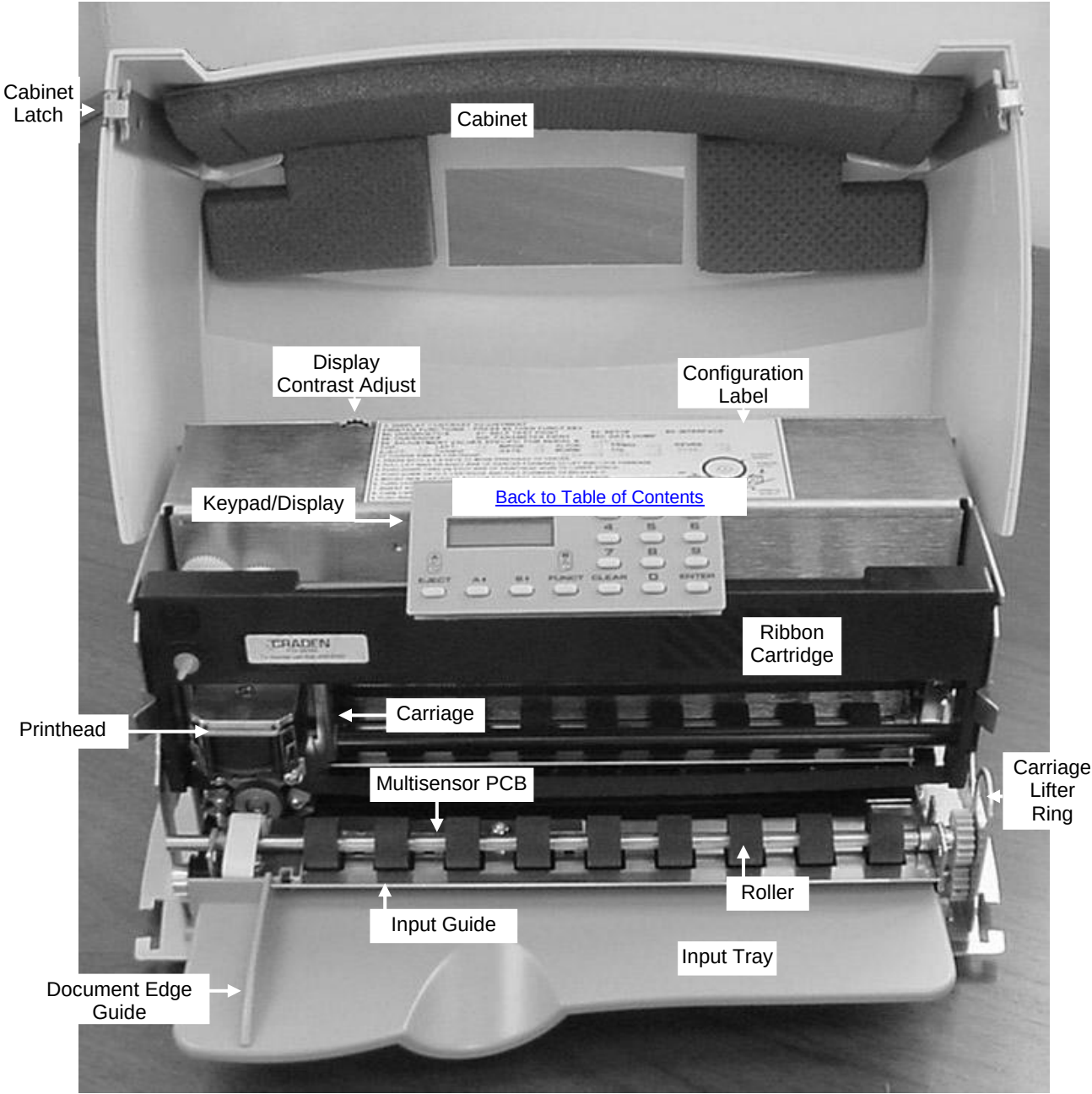
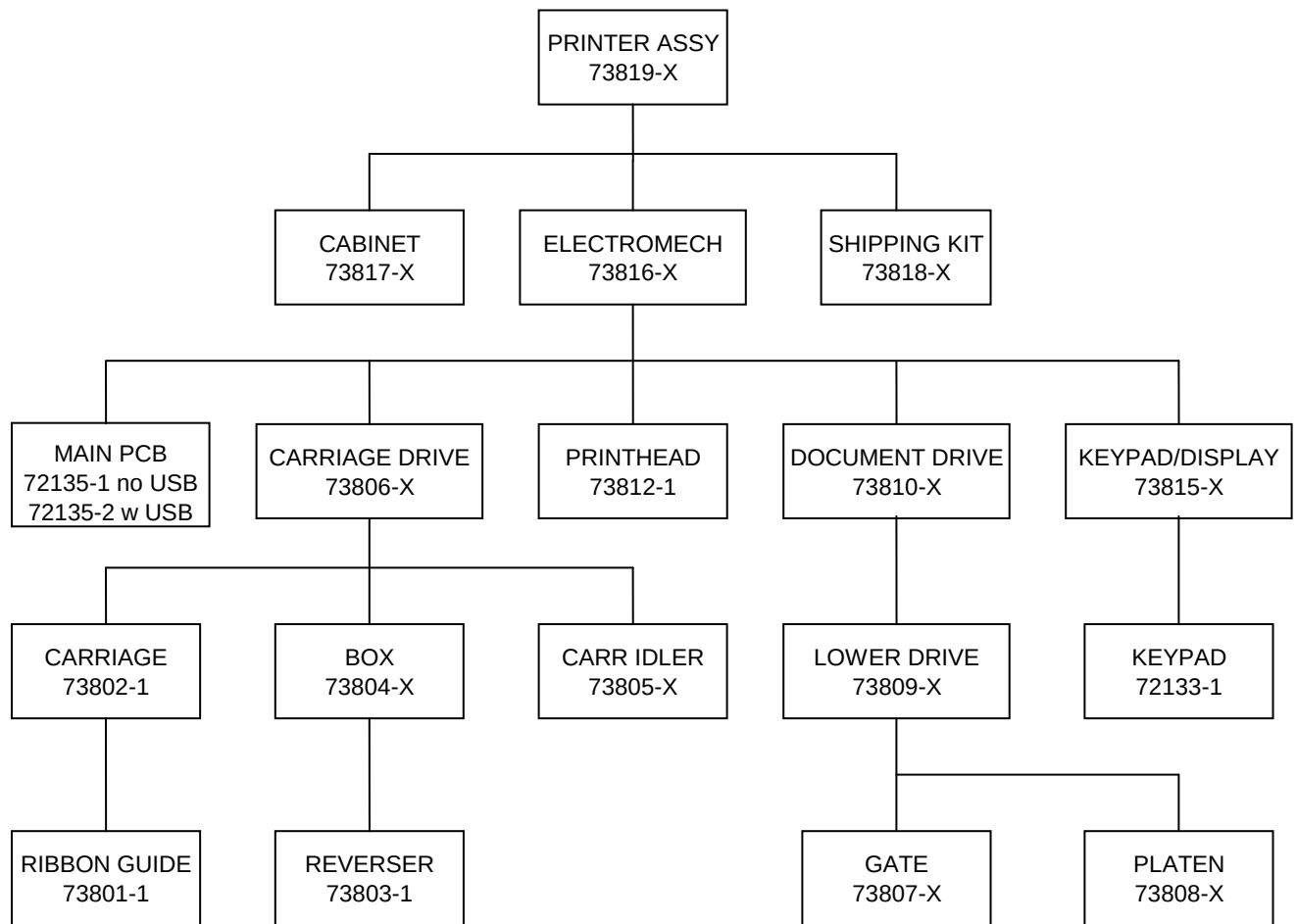


Printer Diagram



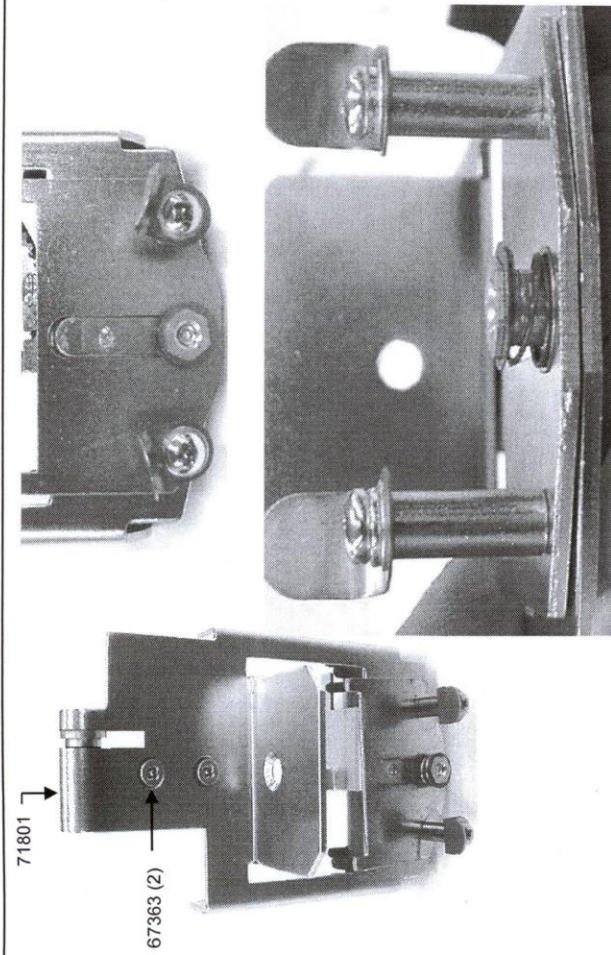


DP8 & DP9 ASSEMBLY TREE

DWG. 75017 REV. C

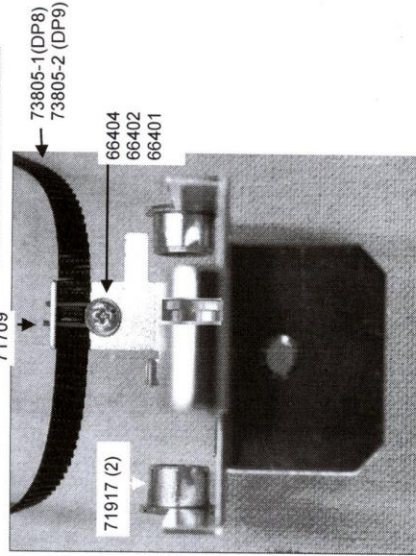
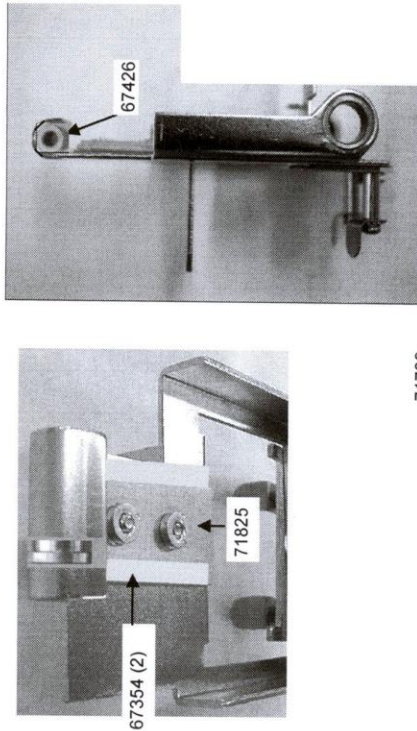
All assemblies not ending in "X" are used both on DP8 and DP9

For all assemblies ending in "X", X=1 for DP8 and X=2 for DP9

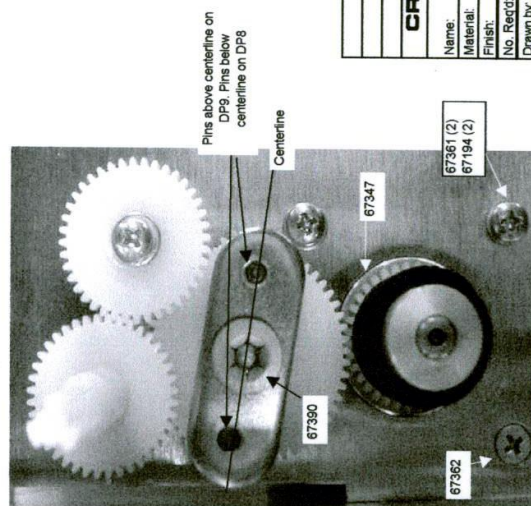
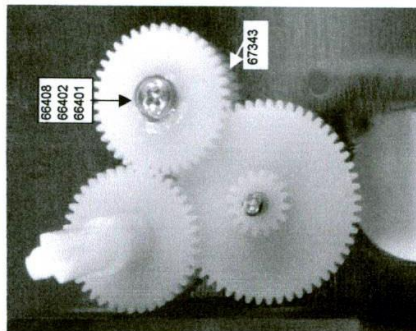
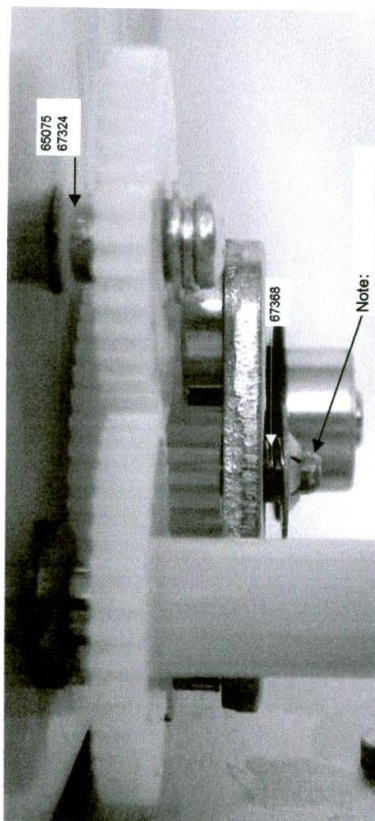
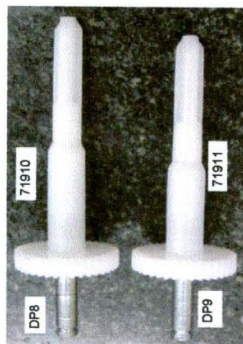
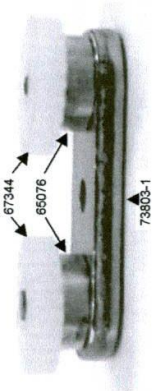
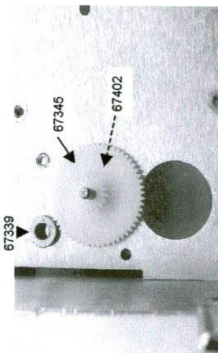


P/N	Description	Qty
65085	PEM Standoff	1
67354	Extruded Edging	2"
67363	#4-40 FHMS 1/4"	2
67373	Compression Spring	1
67375	.342 x .222 x .008 SS Washer	2
67426	5 x 7 x 10mm flanged oilite	1
71709	Carriage Belt Clamp	1
71801	DP8+9 Carriage	1
71825	DP8+9 Printhead Cable Clamp	1
71917	Carriage Bearing	2
73801-1	DP8+9 Ribbon Guide Plate Assy.	1
73805-X	DP8 or DP9 Carriage Idler Assy	1

Hardware	Qty
66401 #4 Flat Washer	1
66402 #4 Split Lock Washer	1
66404 #4-40 x 1/4" PHMS	1



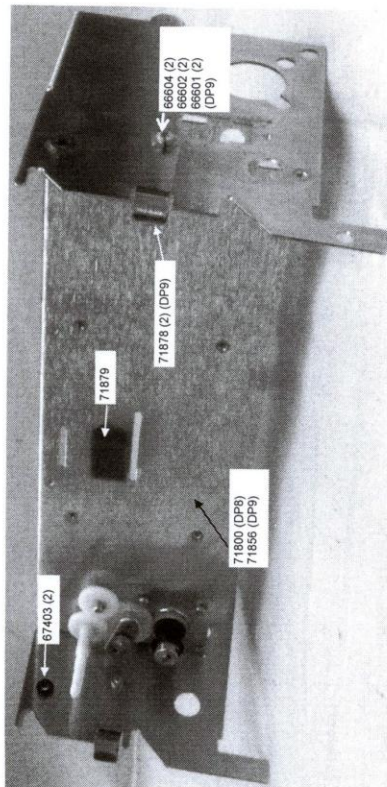
M	Redrawn	6/15/2010	MRJ
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	Released for Production		Checked
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DP8+9 CARRIAGE ASSEMBLY			
Name:			
Material:			
Finish:			
Scale:			
No. Req'd:			
Drawn by:			
Date:			
Checked:			
Date:			
73802-1			Rev. M



Note:
Push retainer 67390
MUST go on past
beveled edge of pin

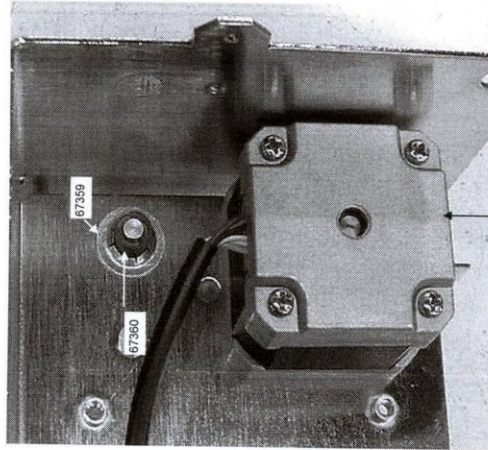
Notes:
1. Lubricate gear teeth sparingly with white lithium grease.

Revisions	Date	By	Checked
Released for Production			
CRADEN PERIPHERALS CORPORATION			
DP8+9 BOX ASSEMBLY Sheet 1 of 2			
Name:	Material:		
Finish:	Scale:		
No. Rec'd:	Drawing No.		
Date:	73804-1 (DP8)		
Checked:	73804-2 (DP9)		
Date:	Rev.		
	F		

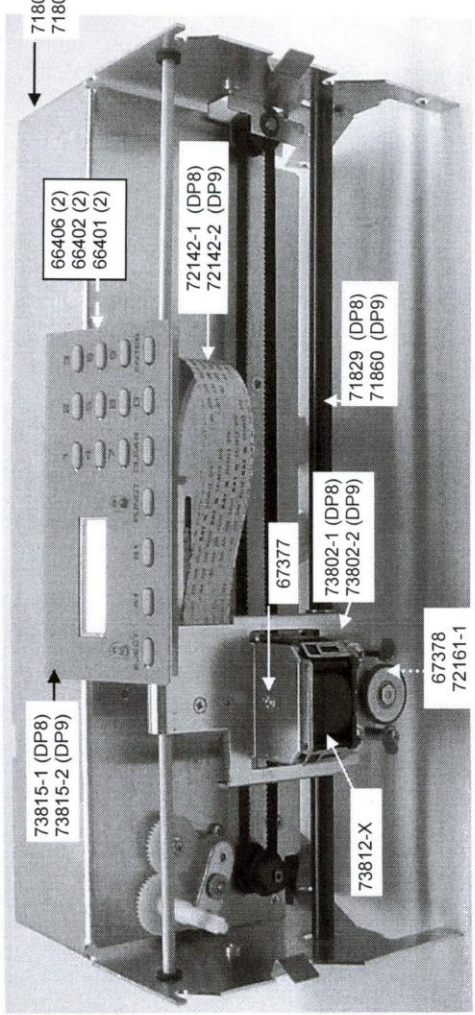
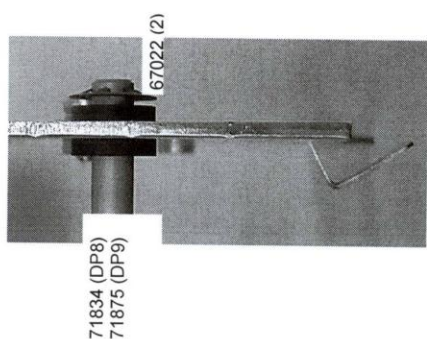
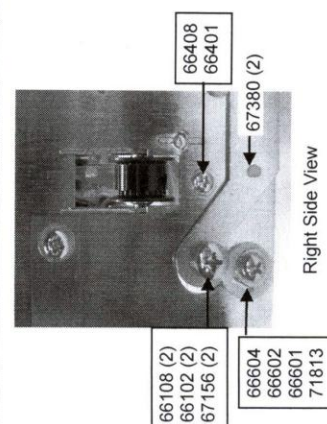


Hardware

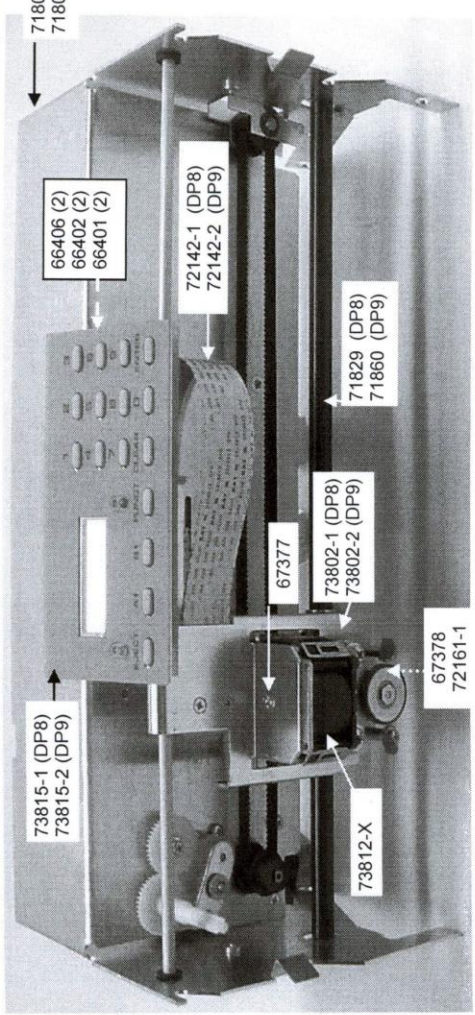
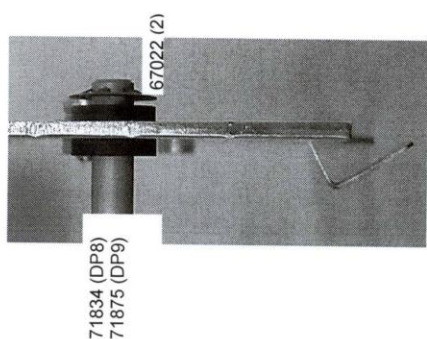
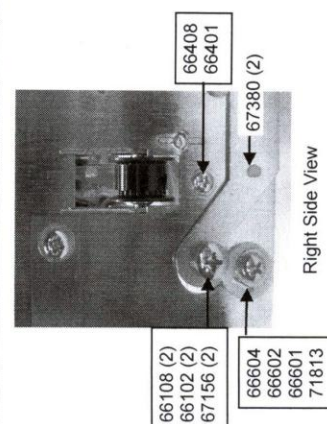
PIN	Description	DP8 Qty	DP9 Qty	PIN	Description	DP8 Qty	DP9 Qty
65075	40T Gear Shaft	1	1	66401	#4-40 Flat Washer	1	1
65076	Spacer	2	2	66402	#4-40 Split Lock Washer	1	1
67339	Ribbon Drive Shaft Bushing	1	1	66408	#4-40 PHMS 1/2"	1	1
67343	40T Gear	1	1	66604	#6-32 PHMS 1/4"	-	2
67344	24T Gear	2	2	66601	#6-32 Flat Washer	-	2
67345	Cluster Gear	1	1	66602	#6-32 Split Lock Washer	-	2
67347	DP8+9 Carriage Drive Pulley	1	1	67194	#4-40 Int. Tooth Lock Washer	2	2
67368	Compression Spring	1	1	67324	#4 Flat Washer 1/4" OD	1	1
67402	Nylon Washer 0.66x0.150x0.020	1	1	67359	5/16 Push On Ring	1	1
67403	Grommet	2	2	67360	Retaining Ring	3	1
71800	DP8 Box	1	-	67361	M3 x 6mm PHMS	2	2
71856	DP9 Cartridge Clip	-	1	67362	M3 x 6mm FHMS	1	1
71878	DP9 Cartridge Drive	-	2	67390	1/8 Push On Ring	1	1
71879	Printhead Cable Foam	1	1	67411	#6 x 3/16" knurled set screw	1	1
71910	DP8 Cartridge Drive	1	-				
71911	DP9 Cartridge Drive	-	1				
73803-1	DP8+9 Reverser Assy.	1	1				
73820-1	DP8+9 Motor Assy.	1	1				



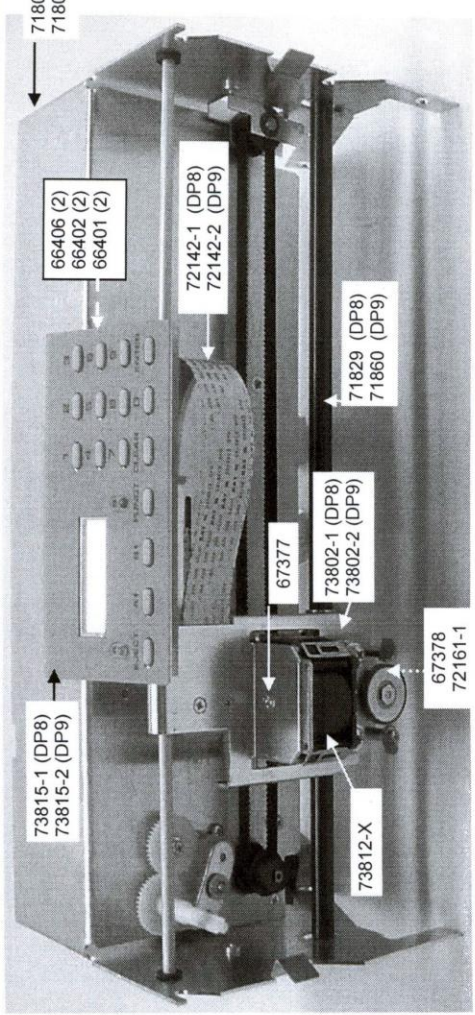
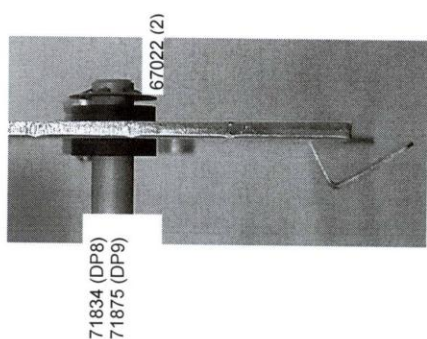
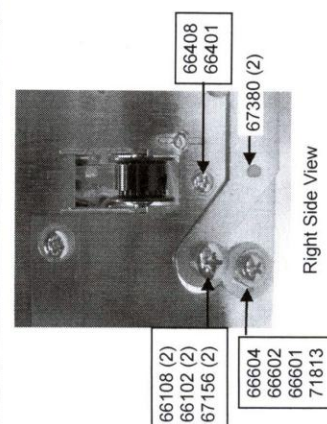
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DP8+9 BOX ASSEMBLY Sheet 2 of 2				
Name:				
Material:				
Finish:	Scale:			
No. Req'd:				
Drawn by:	Drawing No.			
Date:	Rev.			
Checked	73804-1 (DP8)			
Date:	73804-2 (DP9)			
	H			

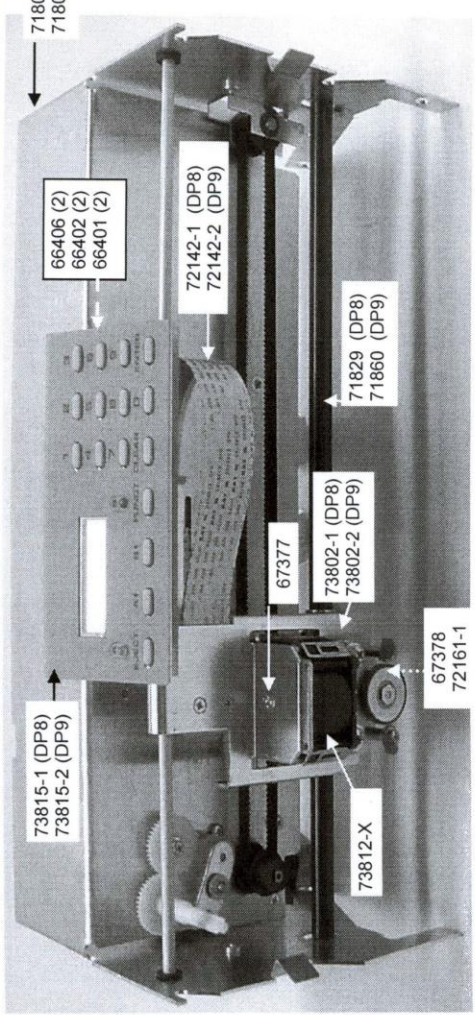
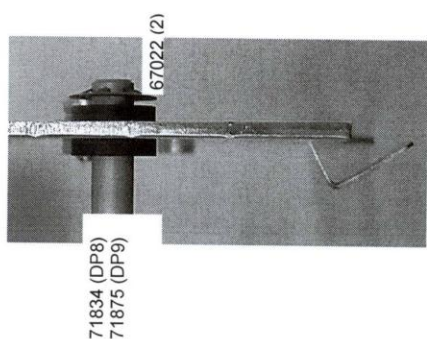
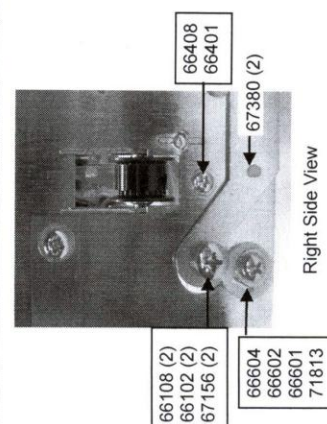
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71813	DP8+9 Shaft Adjuster	1	1	2
71829	DP8 Carriage Shaft	1	-	2
71834	DP8 Upper Shaft	1	1	2
71847	DP8+9 Insulator	1	1	3
71850	DP8+9 Pivot Arm	2	2	2
71860	DP9 Carriage Shaft	-	1	2
71875	DP9 Upper Shaft	-	1	1
72137	DP8+9 Power Supply	1	1	1
72142-1	DP8 Pinthead Cable Assy	1	-	5
72142-2	DP9 Pinthead Cable Assy	-	1	5
72161-1	DP8+9 Edge Sensor Assy	1	1	2
73802-1	DP8 Carriage Assy	1	-	2
73802-2	DP9 Carriage Assy	-	1	4
73804-1	DP8 Box Assy	1	-	1
73804-2	DP9 Box Assy	-	1	1
73812-X	DP8+9 Pinthead Assy	1	1	1
73815-1	DP8 Keypad/Display Assy	1	1	1
73815-2	DP9 Keypad/Display Assy	-	1	1

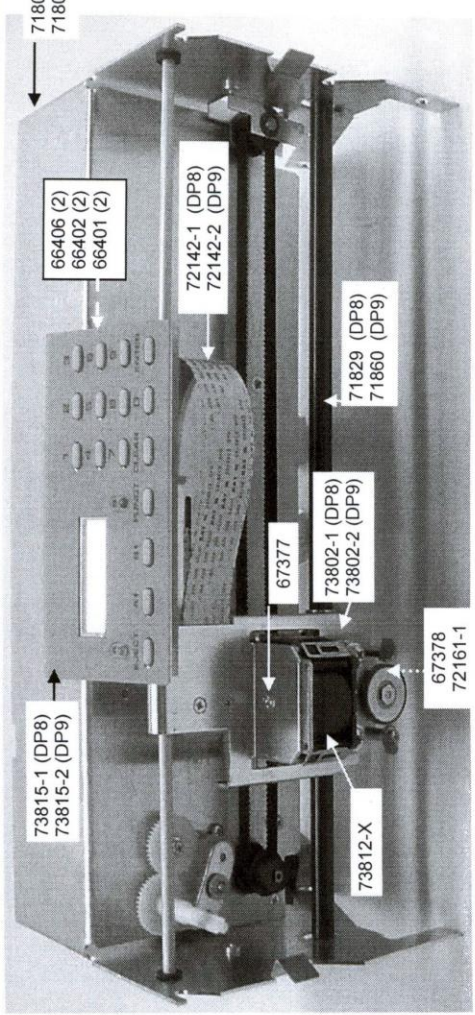
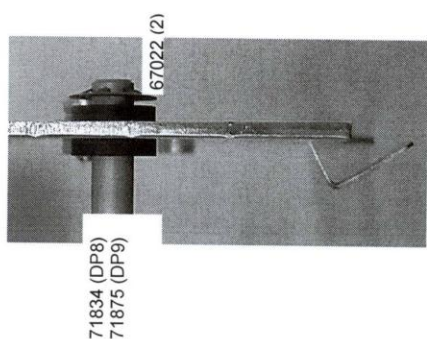
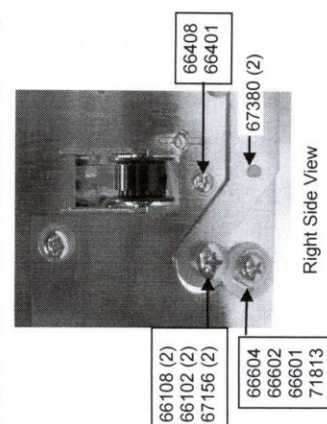
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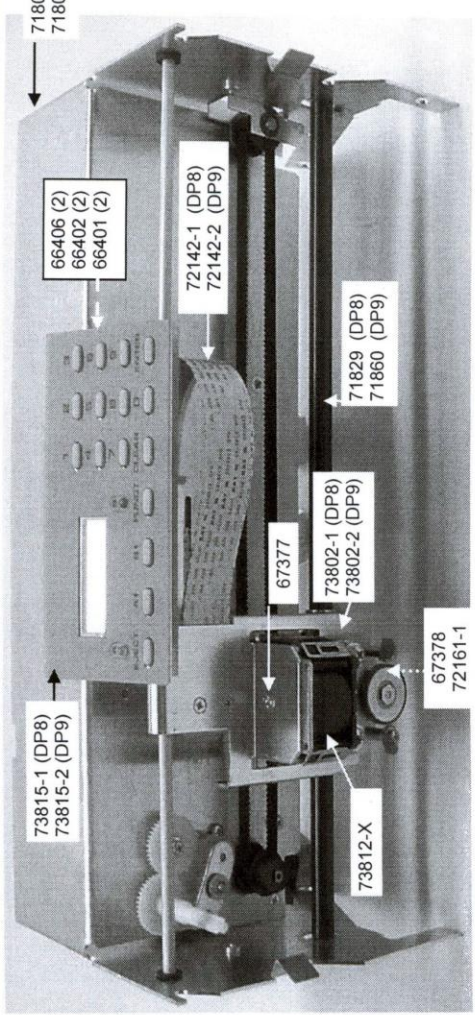
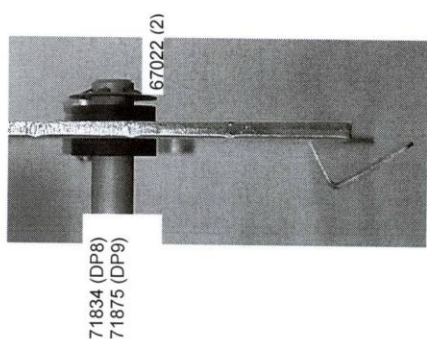
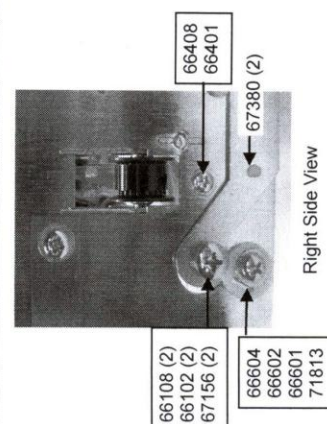
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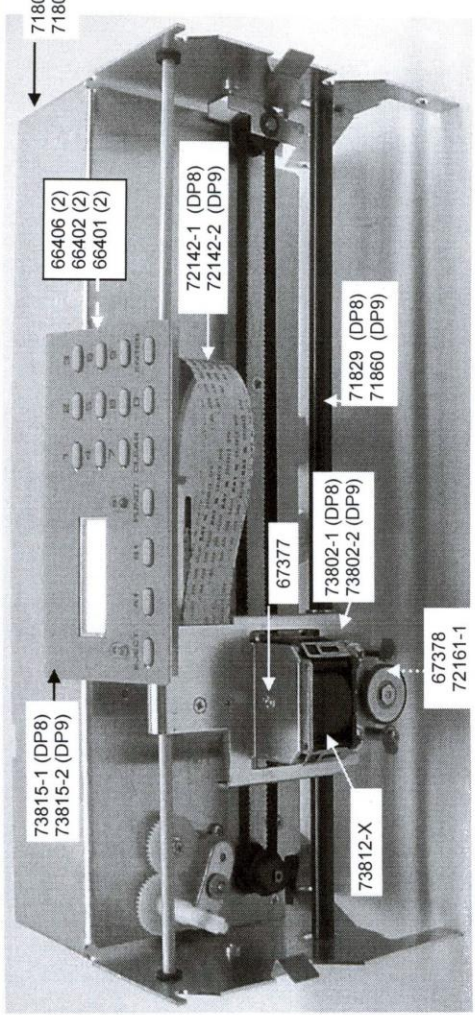
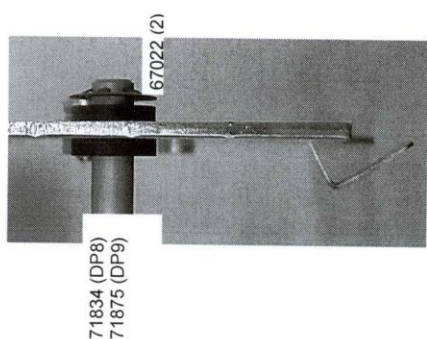
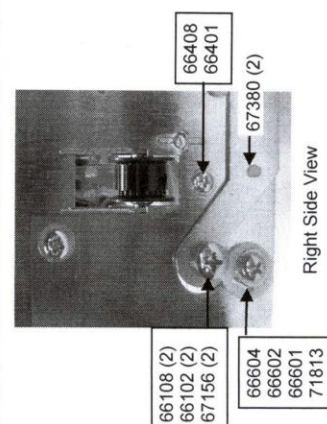
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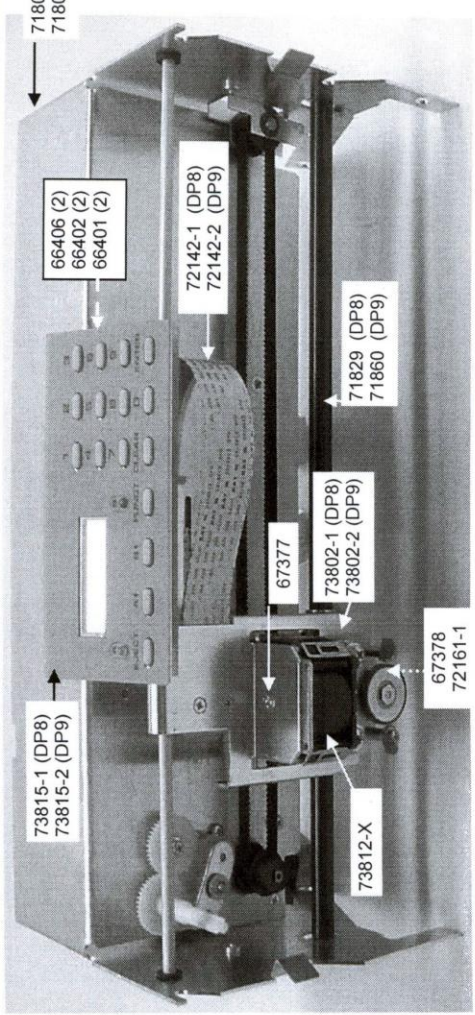
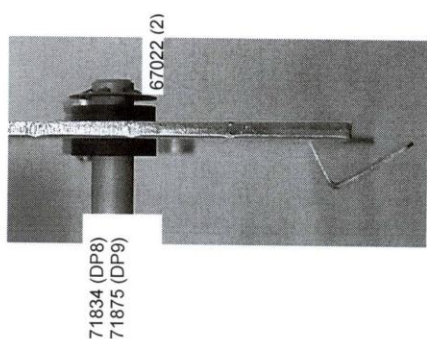
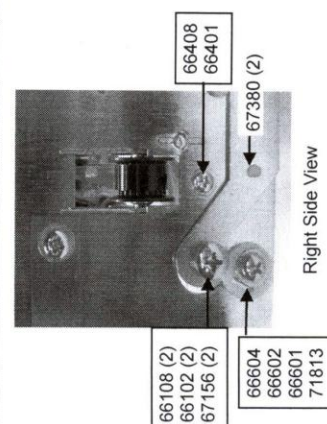
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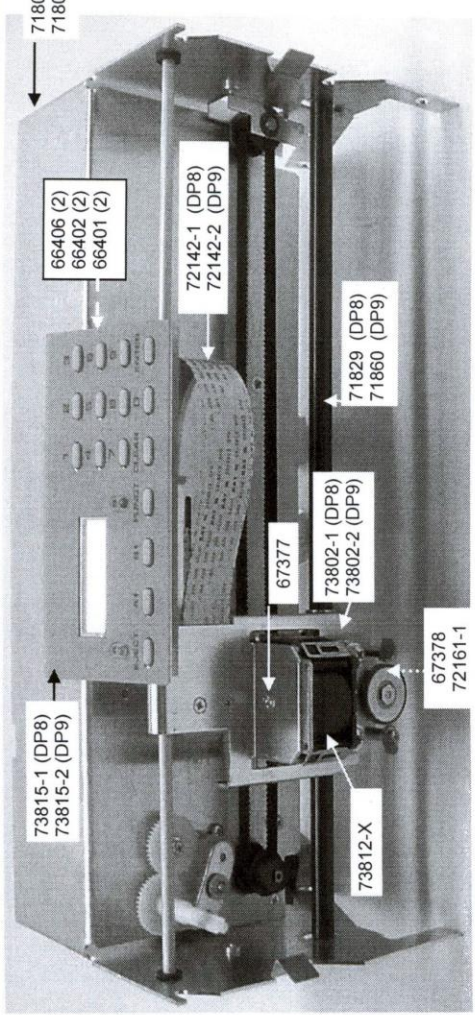
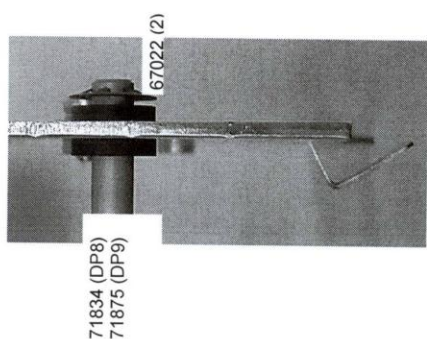
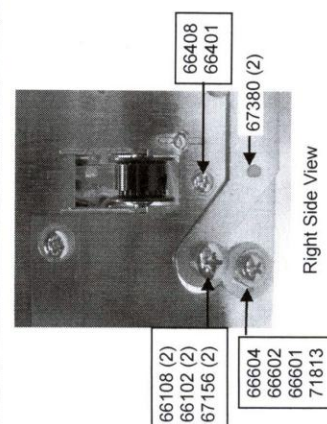
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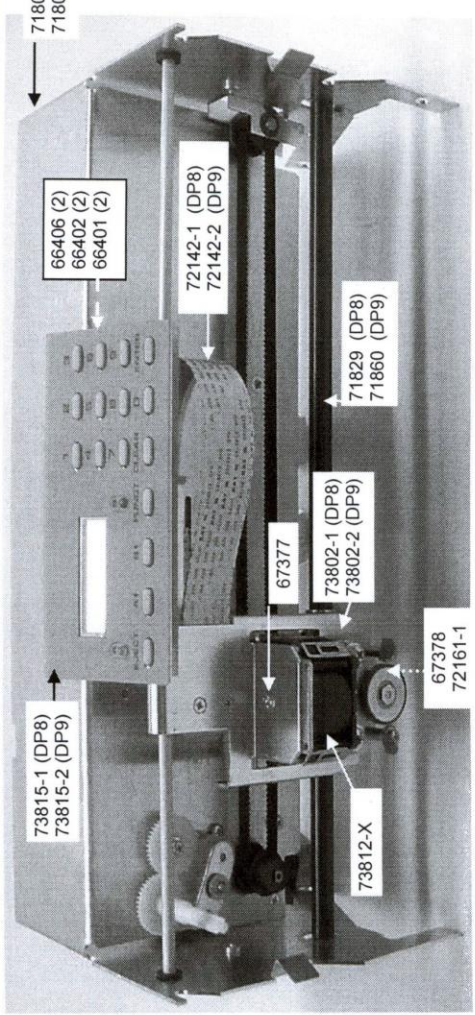
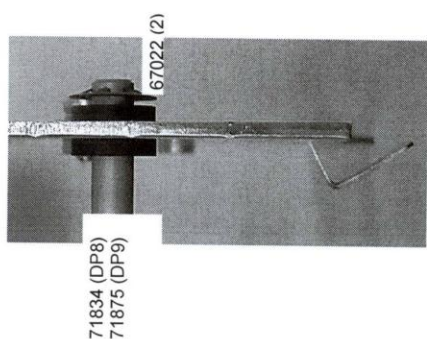
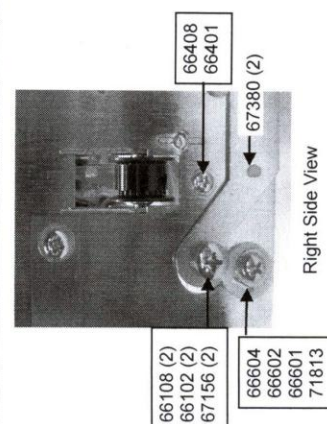
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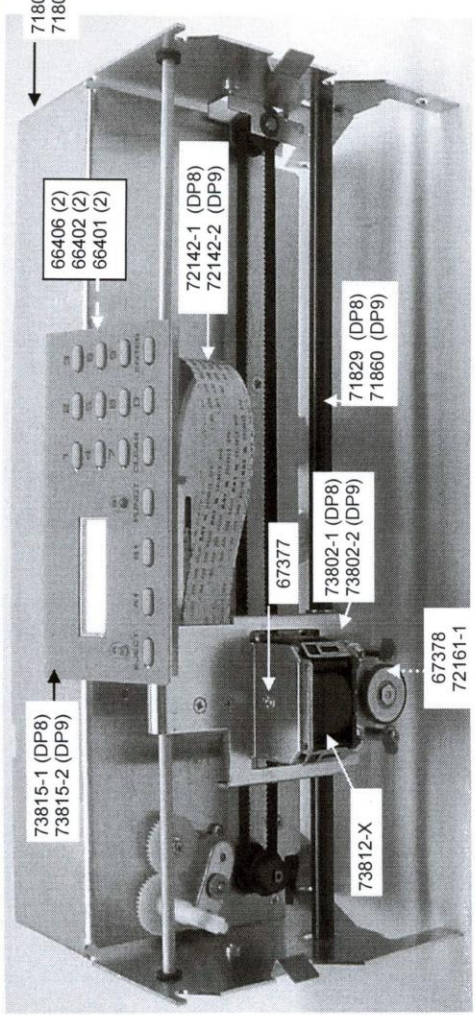
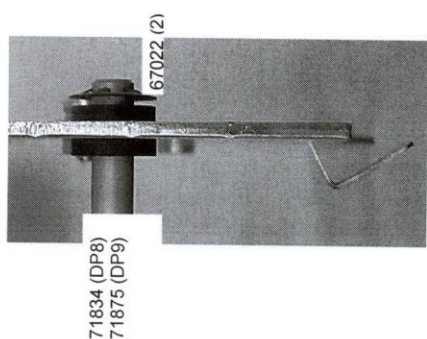
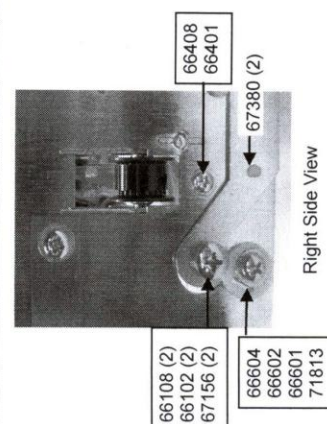
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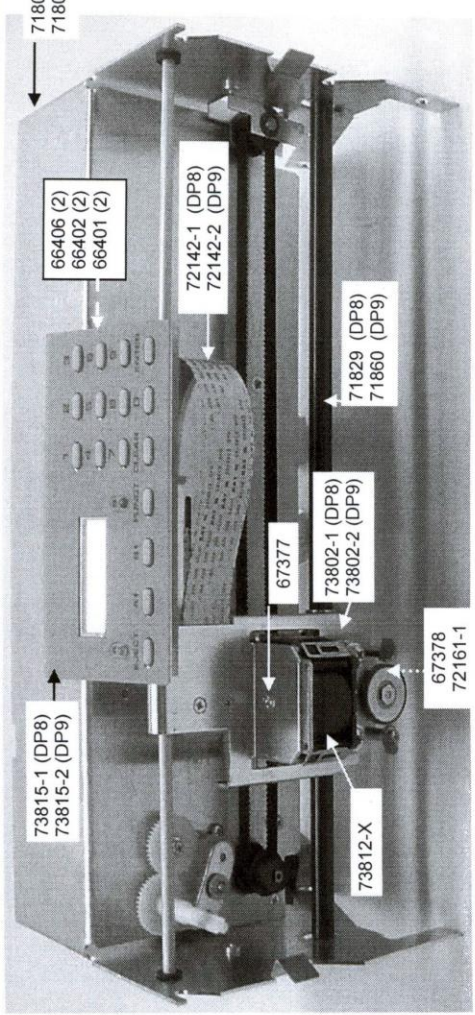
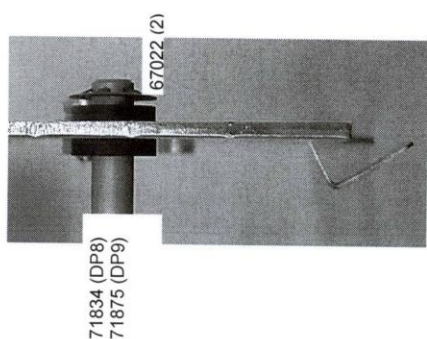
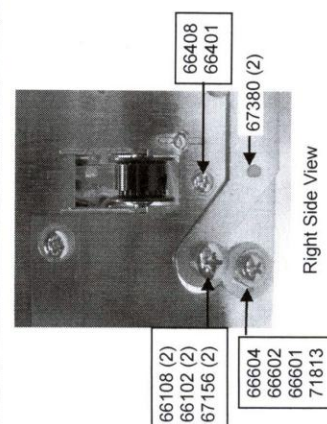
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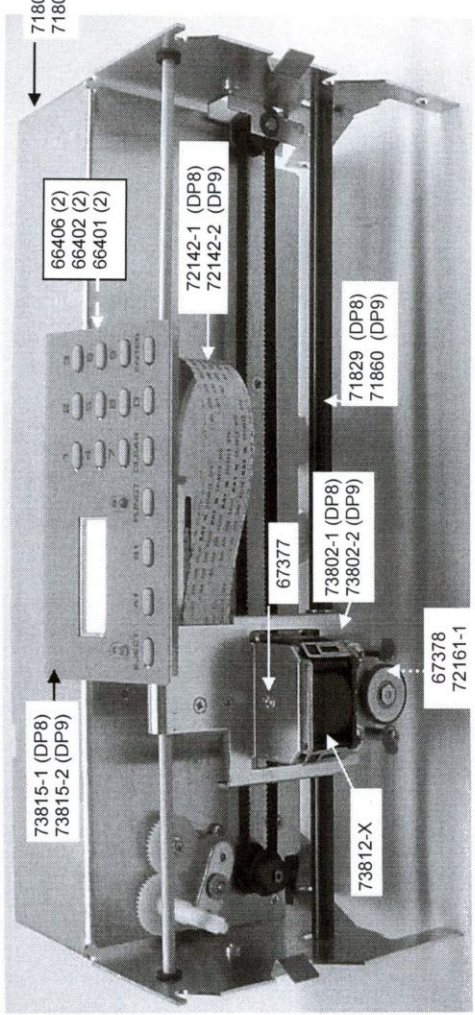
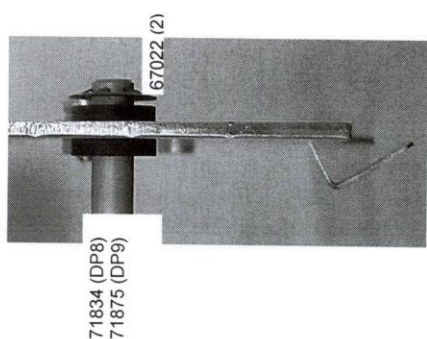
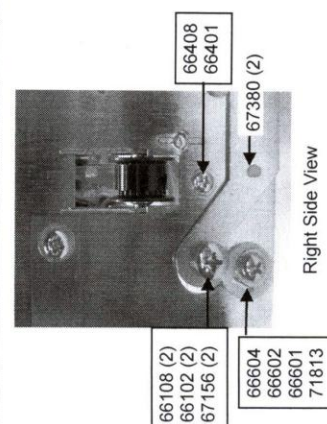
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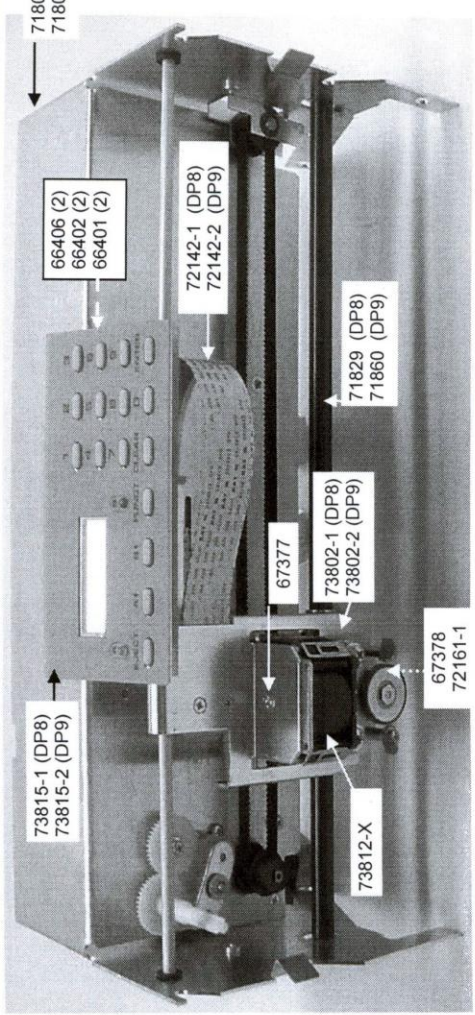
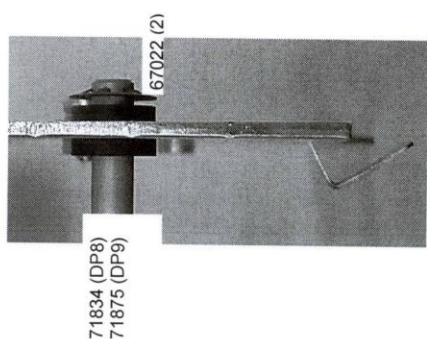
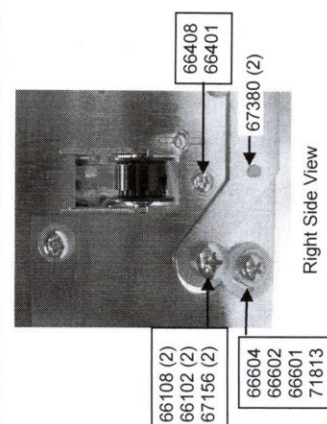
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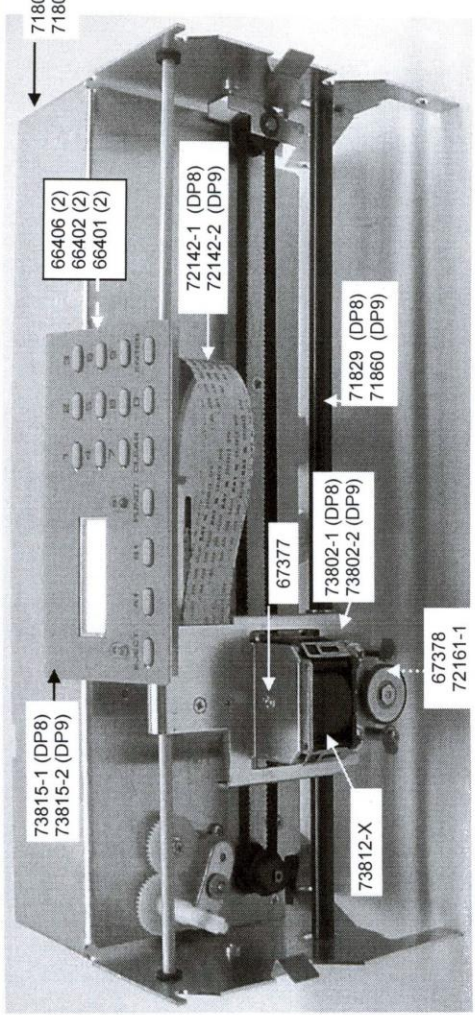
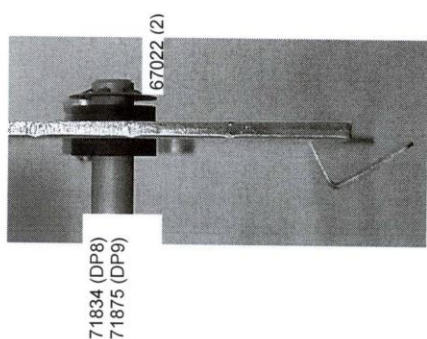
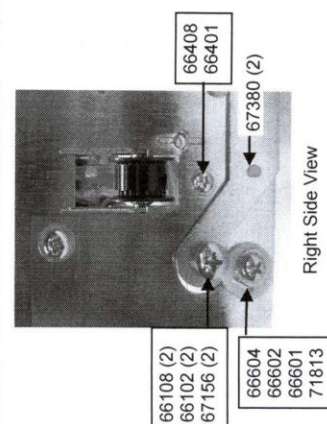
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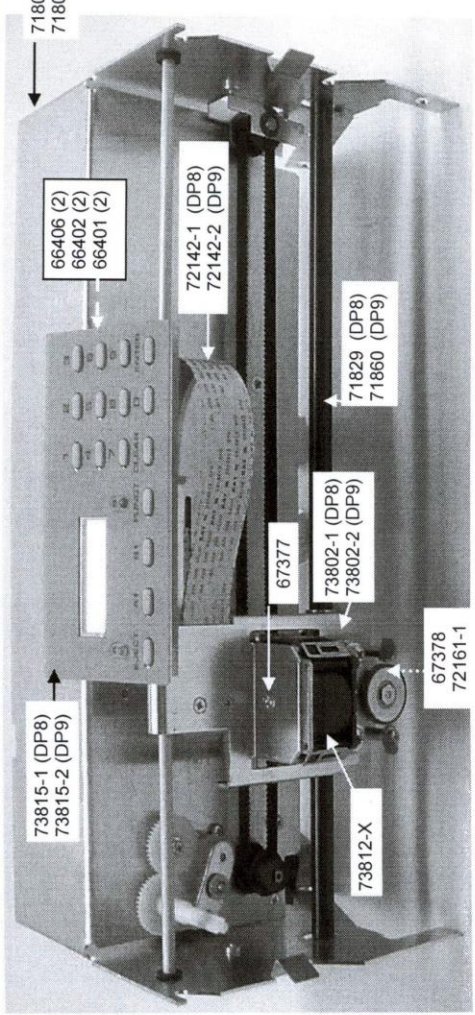
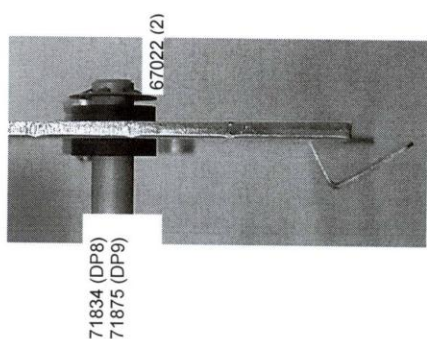
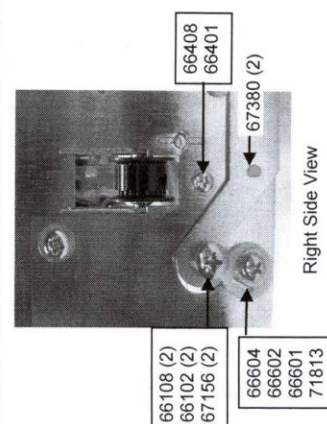
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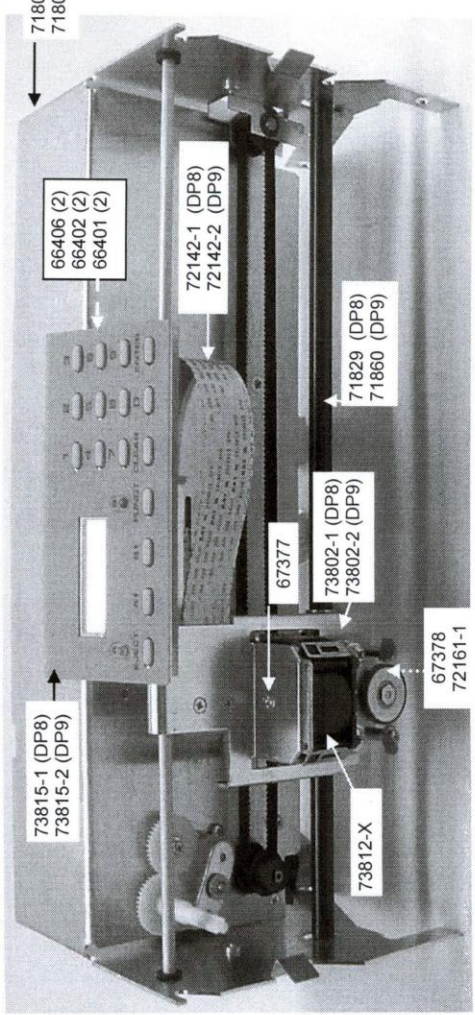
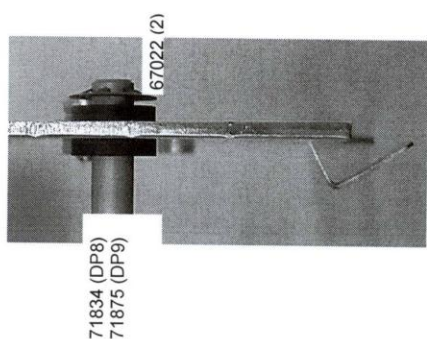
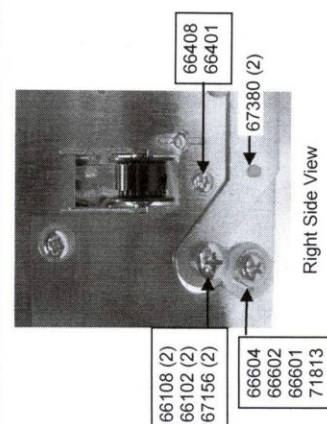
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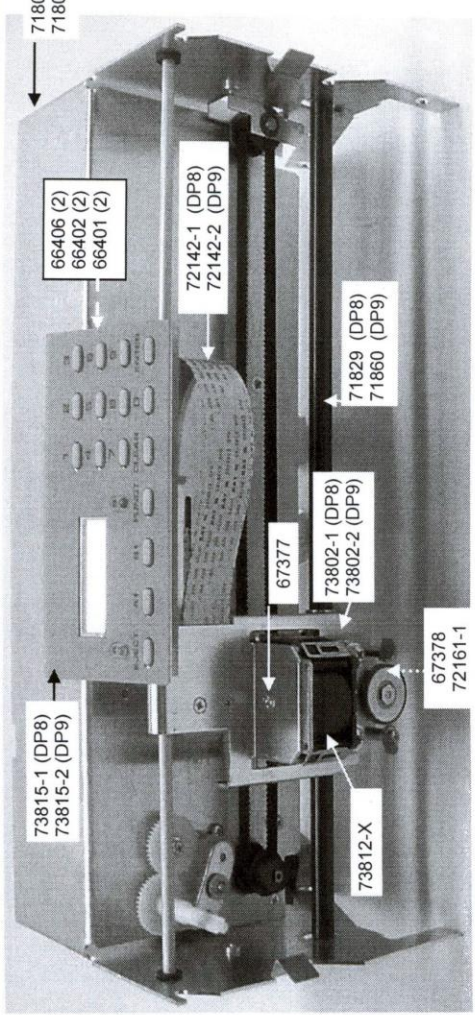
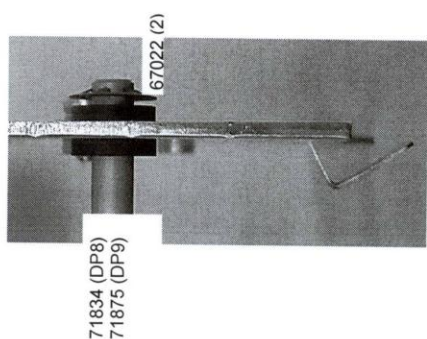
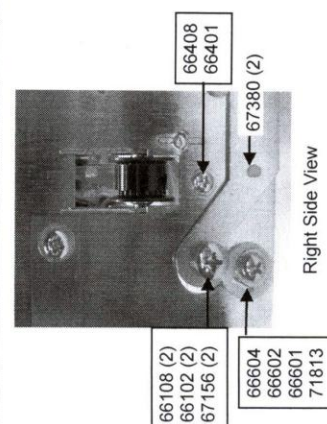
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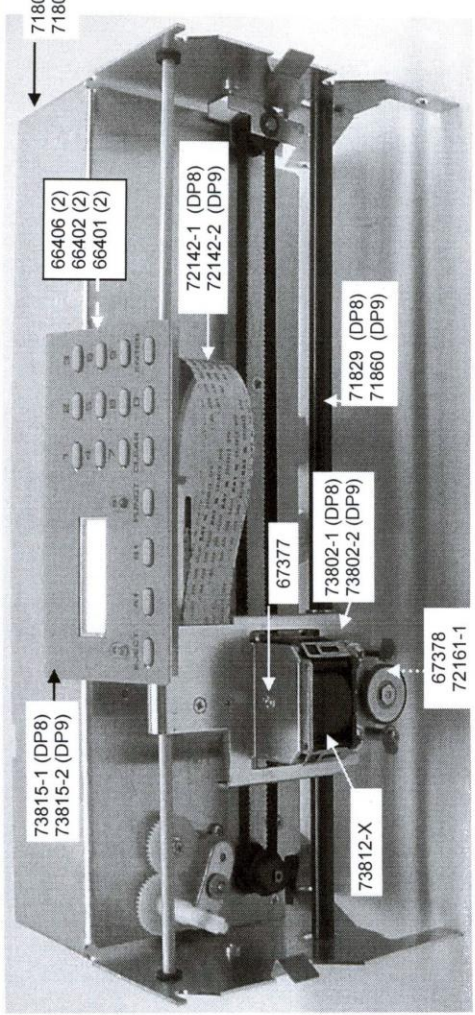
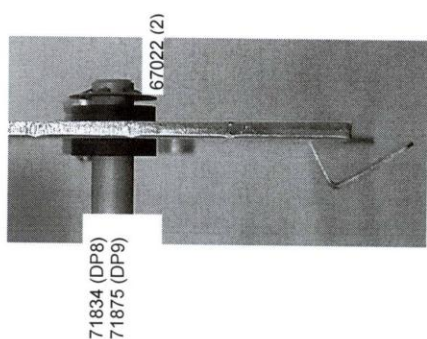
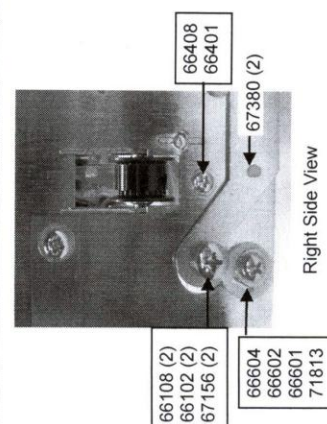
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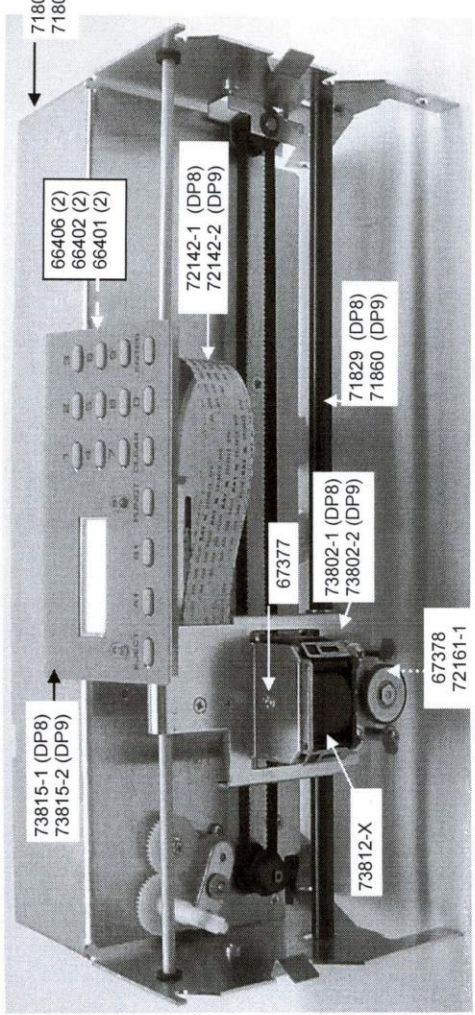
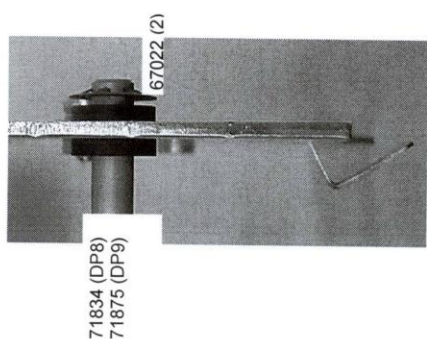
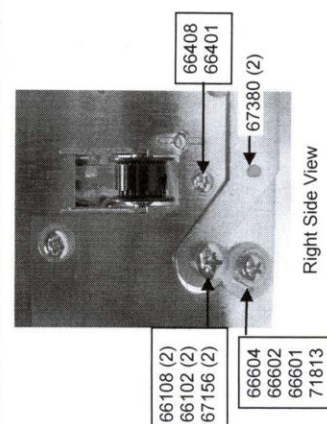
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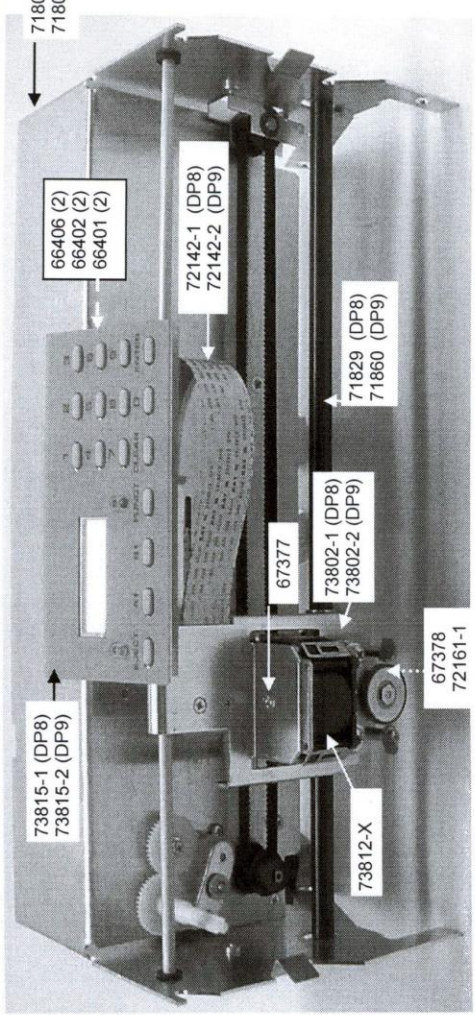
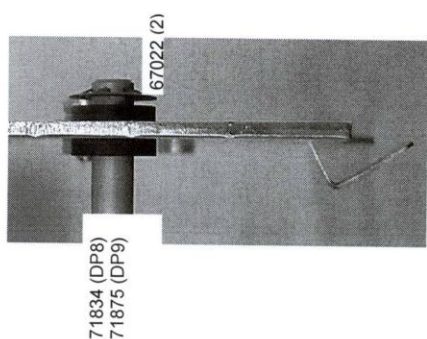
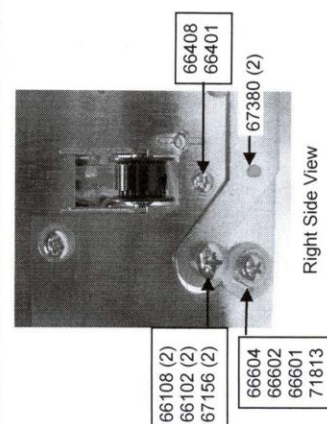
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Released for Production				

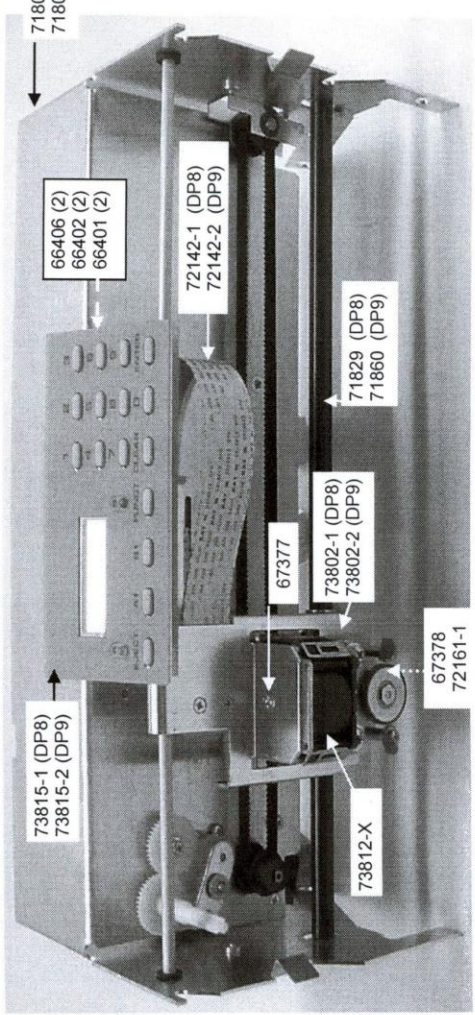
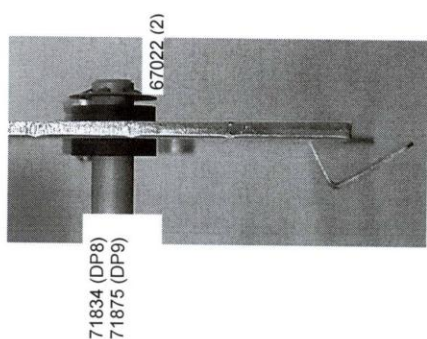
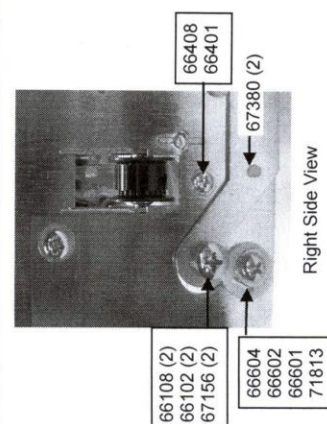
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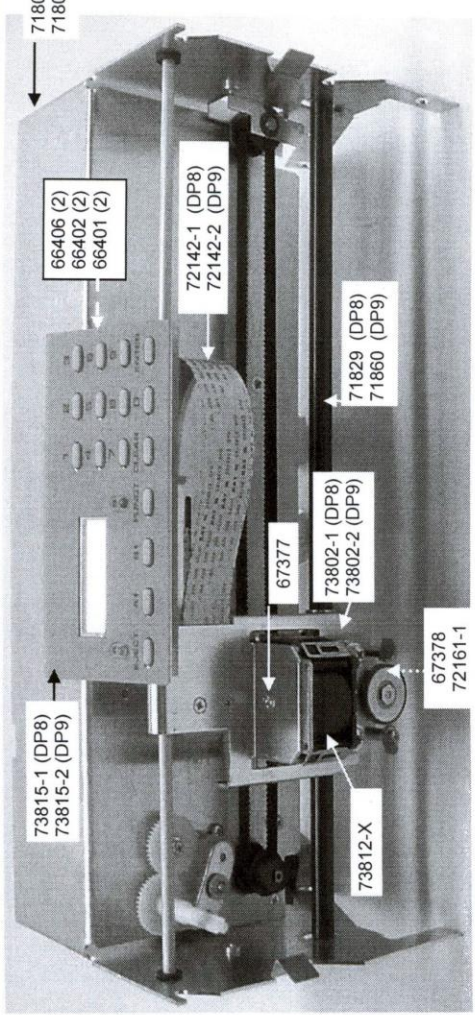
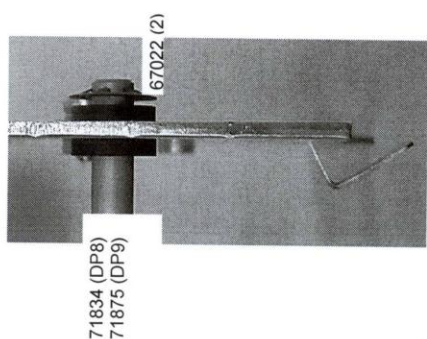
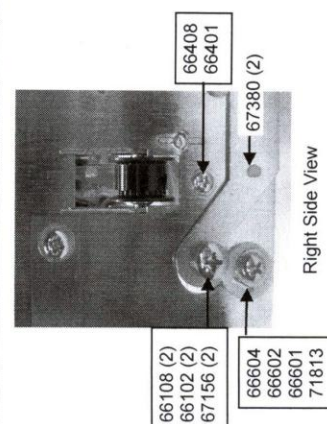
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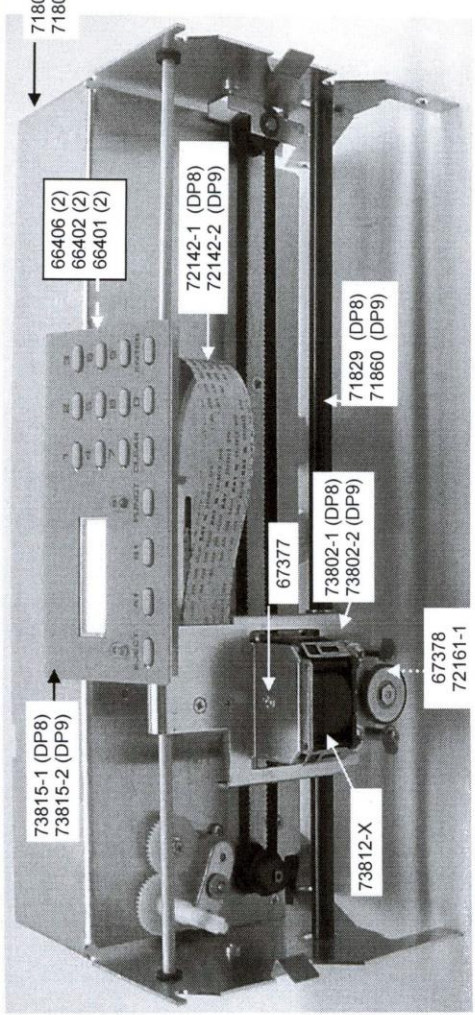
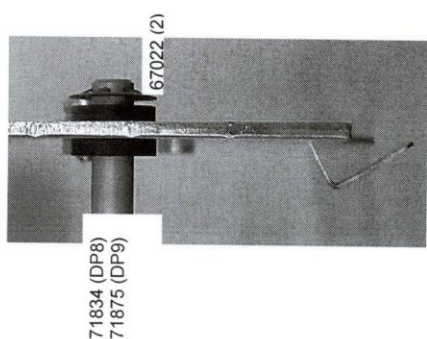
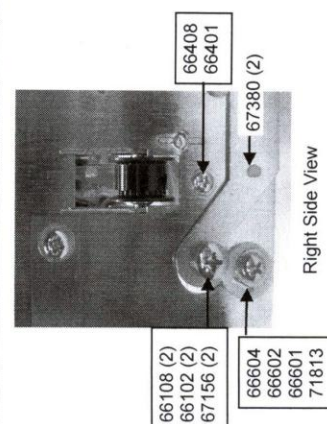
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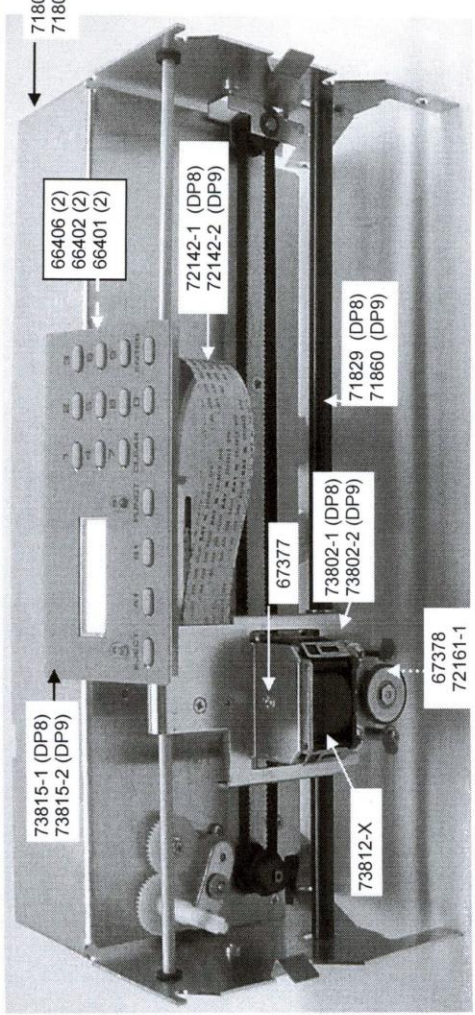
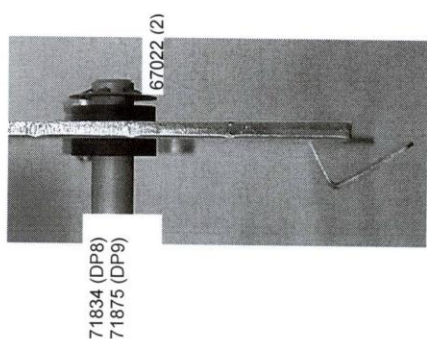
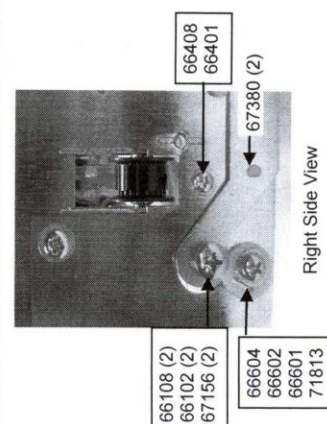
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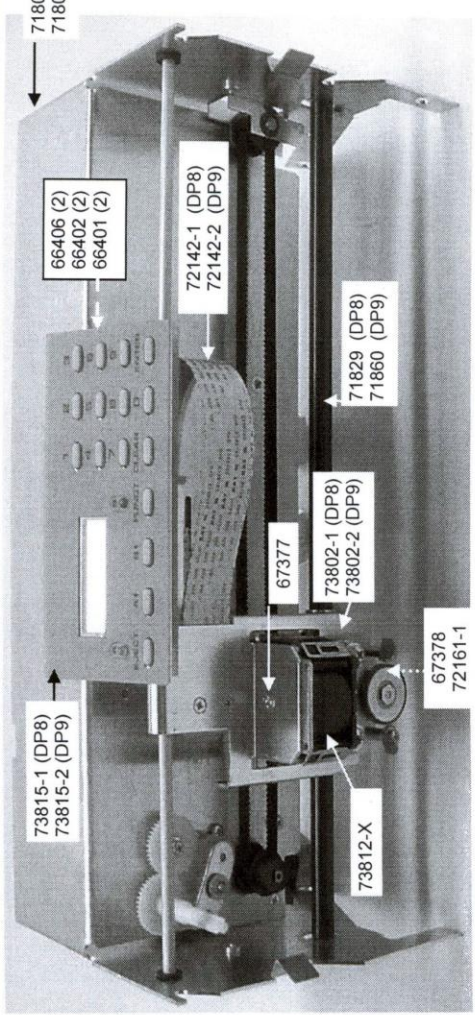
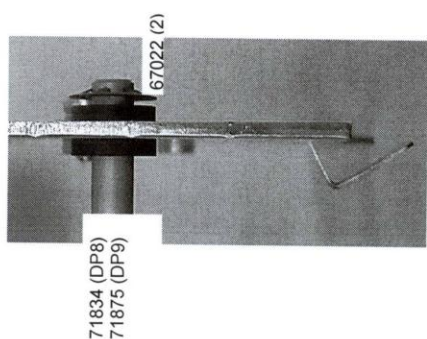
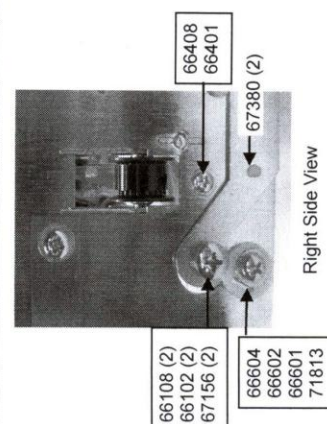
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Released for Production				

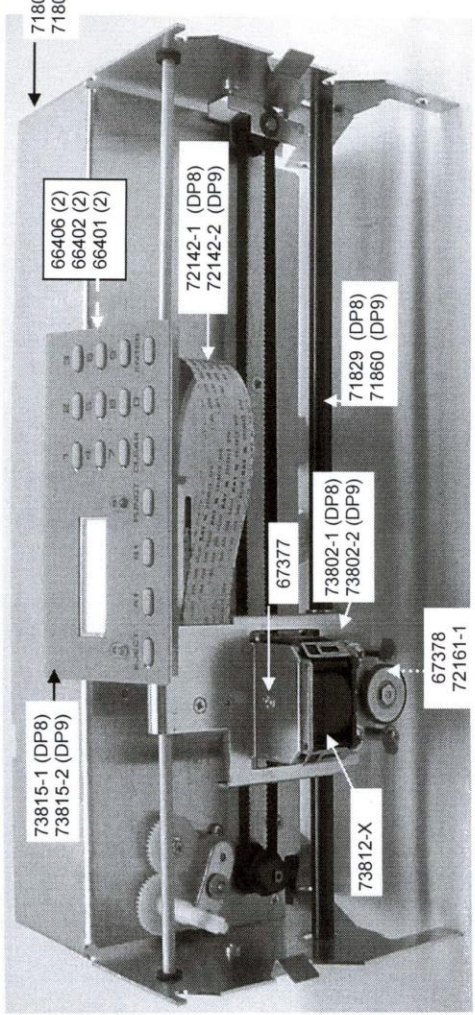
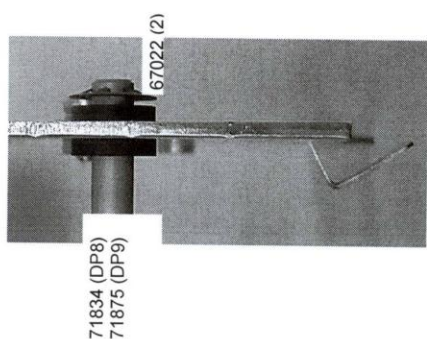
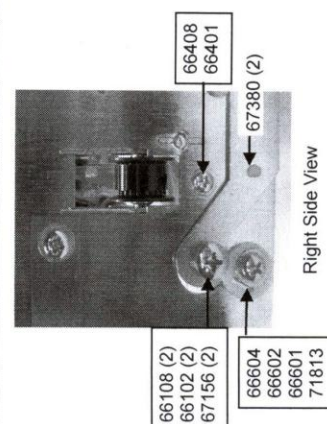
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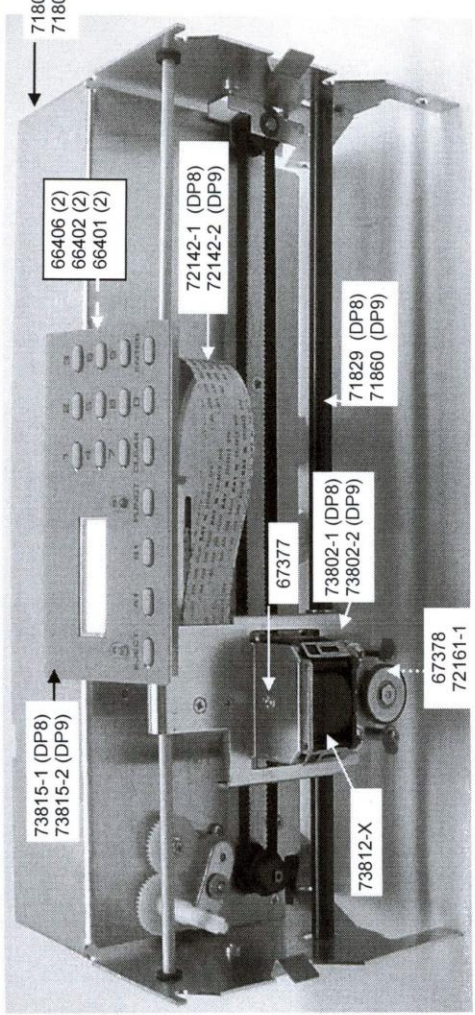
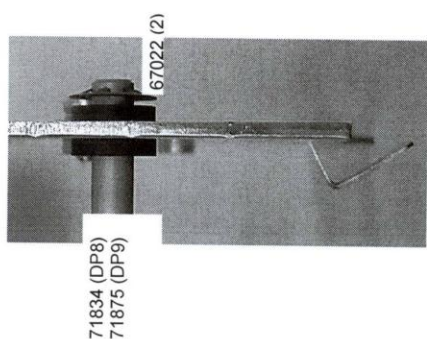
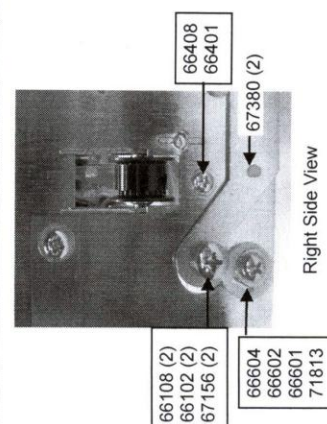
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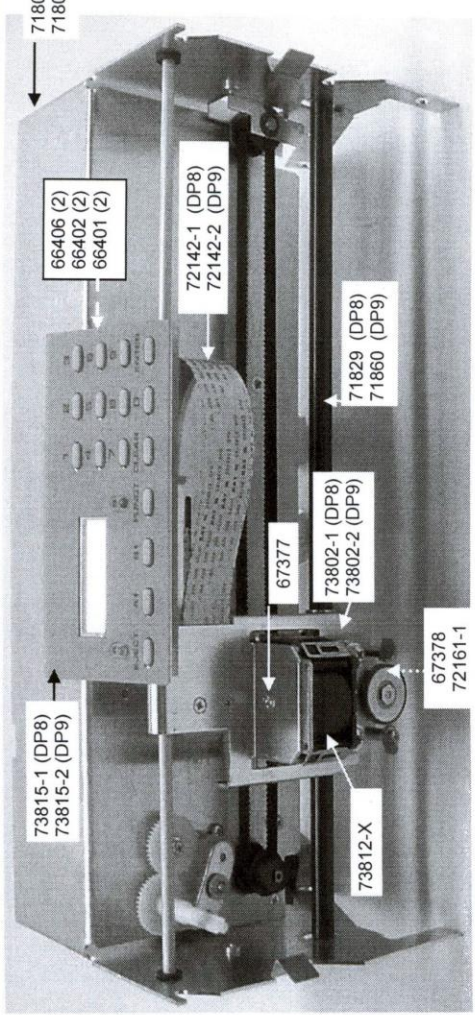
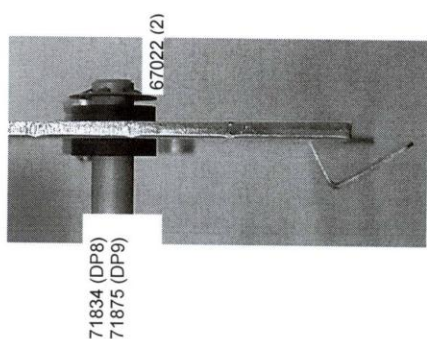
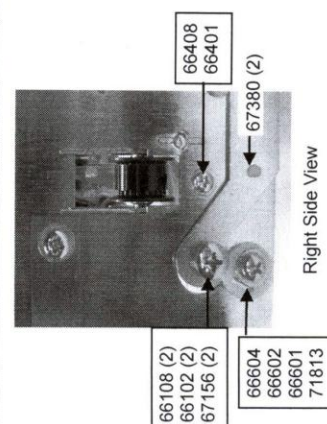
Revisions		Date	By	Checked
Released for Production				

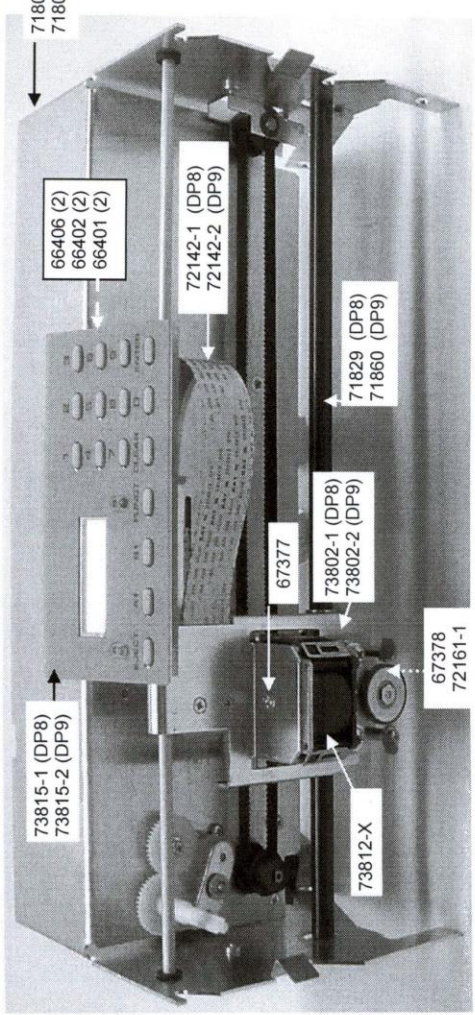
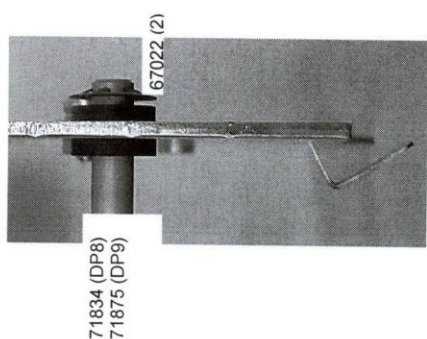
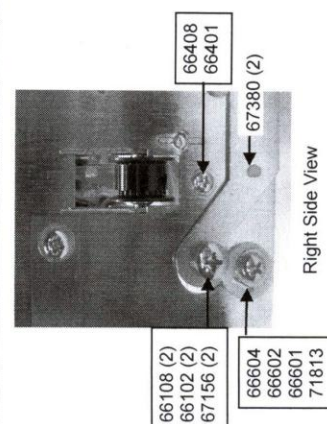
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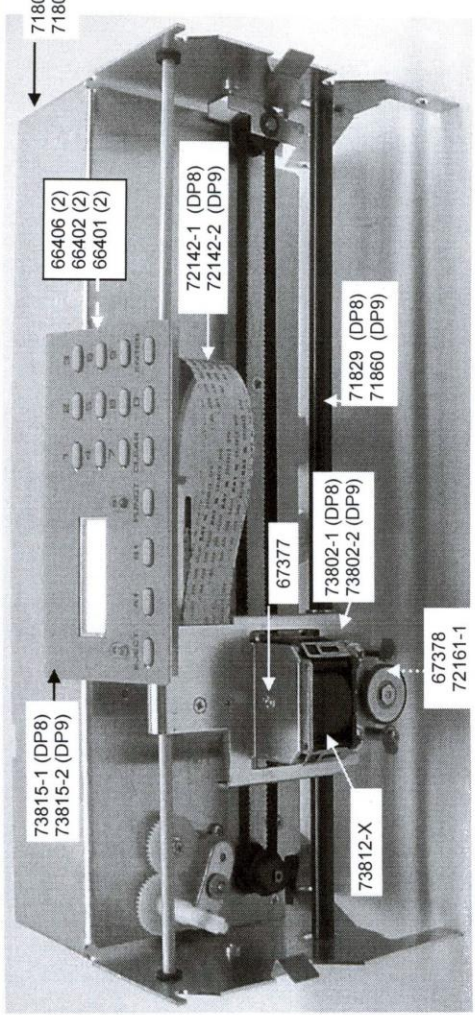
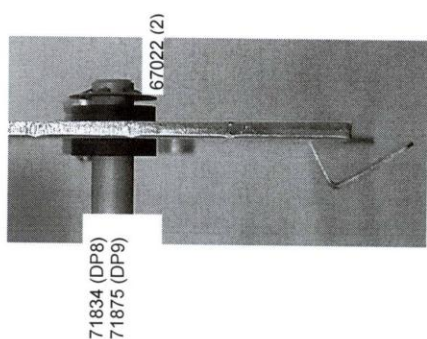
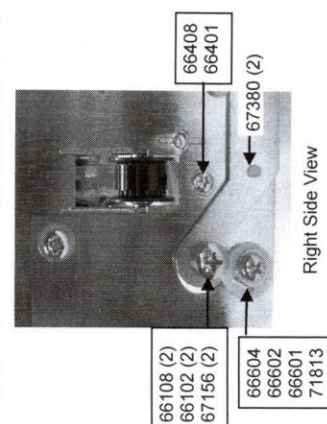
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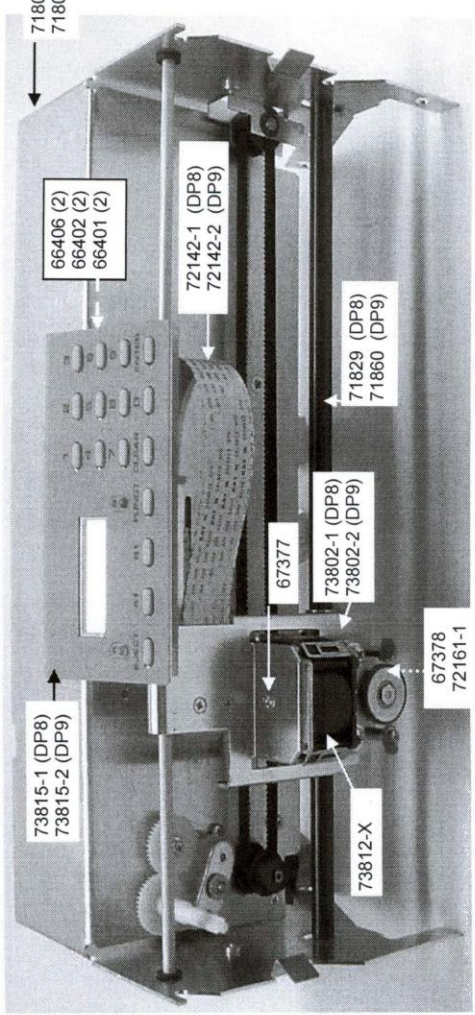
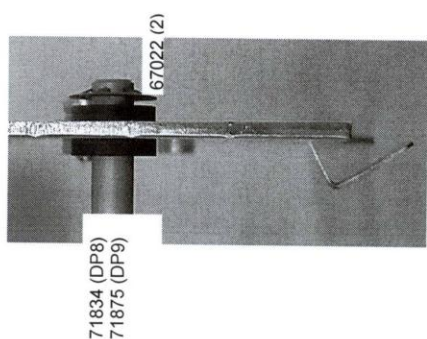
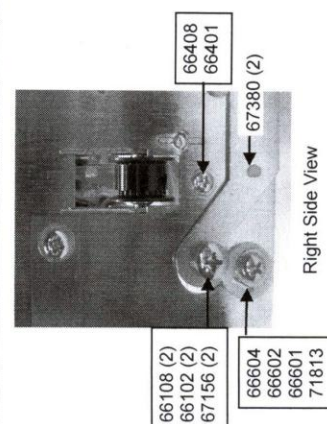
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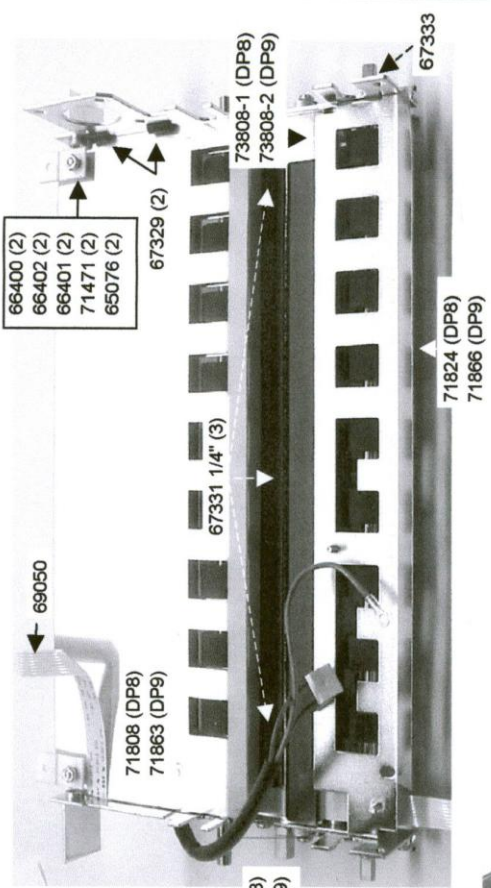
Revisions		Date	By	Checked
Released for Production				

Revisions		Date	By	Checked
Released for Production				

Revisions		Date
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66400 (2)
66402 (2)
66401 (2)
71471 (2)
65076 (2)

67329 (2)

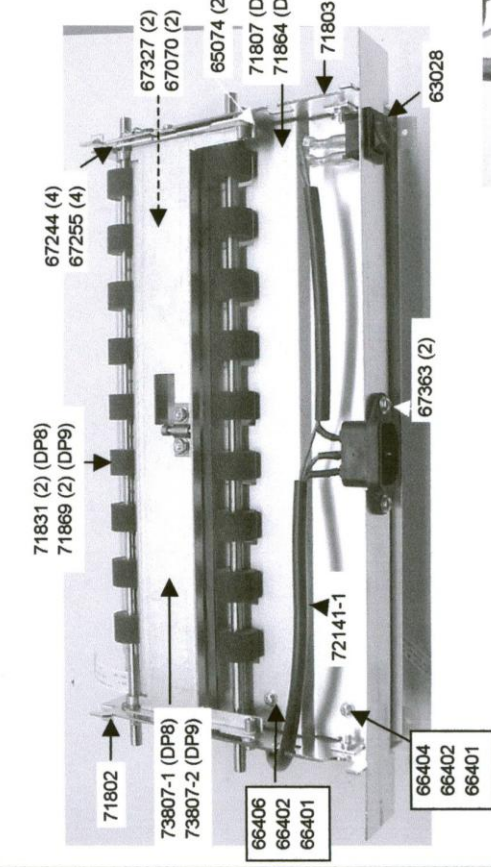
71808 (DP8)
71863 (DP9)

67331 1/4" (3)

73808-1 (DP8)
73808-2 (DP9)

71824 (DP8)
71866 (DP9)

67333



71831 (2) (DP8)
71869 (2) (DP9)

67244 (4)
67255 (4)

67327 (2)
67070 (2)

65074 (2)

71807 (DP8)
71864 (DP9)

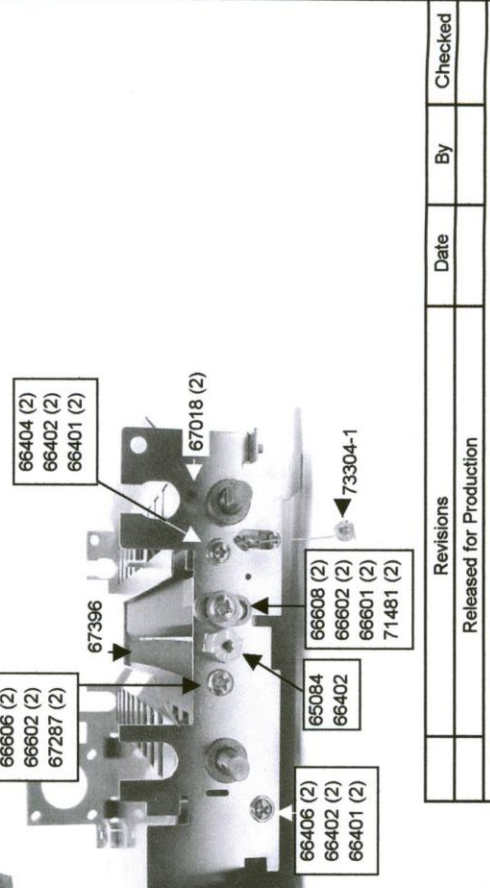
71803

63028

66406
66402
66401

72141-1

67363 (2)



66404 (2)
66402 (2)
66401 (2)

67396

66606 (2)
66602 (2)
67287 (2)

67018 (2)

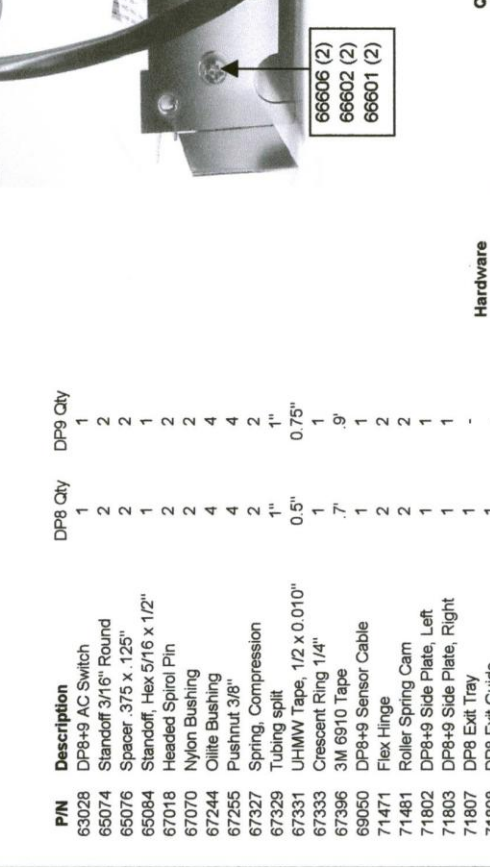
73304-1

66608 (2)
66602 (2)
66601 (2)
71481 (2)

65084
66402

66406 (2)
66402 (2)
66401 (2)

66606 (2)
66602 (2)
66601 (2)



66606 (2)
66602 (2)
66601 (2)

66400
66401
66402
66406
66601
66602
66606
66608
67287
67363

Qty

2
8
9
3
3
4
6
4
2
2
2

P/N	Description	DP8 Qty	DP9 Qty
63028	DP8+9 AC Switch	1	1
65074	Standoff 3/16" Round	2	2
65076	Spacer .375 x .125"	2	2
65084	Standoff, Hex 5/16 x 1/2"	1	1
67018	Headed Spirol Pin	2	2
67070	Nylon Bushing	2	2
67244	Oilite Bushing	4	4
67255	Pushnut 3/8"	4	4
67327	Spring, Compression	2	2
67329	Tubing Split	1"	1"
67331	UHMW Tape, 1/2 x 0.010"	0.5"	0.75"
67333	Crescent Ring 1/4"	1	1
67396	3M 6910 Tape	.7	.9
69050	DP8+9 Sensor Cable	1	1
71471	Flex Hinge	2	2
71481	Roller Spring Cam	2	2
71802	DP8+9 Side Plate, Left	1	1
71803	DP8+9 Side Plate, Right	1	1
71807	DP8 Exit Tray	1	1
71808	DP8 Exit Guide	1	1
71824	DP8 Input Guide	1	1
71831	DP8 Lower Roller	2	2
71863	DP9 Exit Guide	1	1
71864	DP9 Exit Tray	1	1
71866	DP9 Input Guide	1	1
71869	DP9 Lower Roller	1	1
72141-1	DP8+9 AC Harness Assy	1	1
73304-1	Roller Cable Assy	2	2
73807-1	DP8 Gate Assy	1	1
73807-2	DP9 Gate Assy	1	1
73808-1	DP8 Platen Assy	1	1
73808-2	DP9 Platen Assy	1	1

Hardware

Hardware	Qty
66400	2
66401	8
66402	9
66406	3
66601	3
66602	4
66606	6
66608	4
67287	2
67363	2

Revisions

Revisions	Date	By	Checked
Released for Production			

CRADEN PERIPHERALS CORPORATION

DP8+9 LOWER DRIVE ASSY

Name: _____

Material: _____

Finish: _____

No. Req'd: _____

Drawn by: _____

Date: _____

Scale: _____

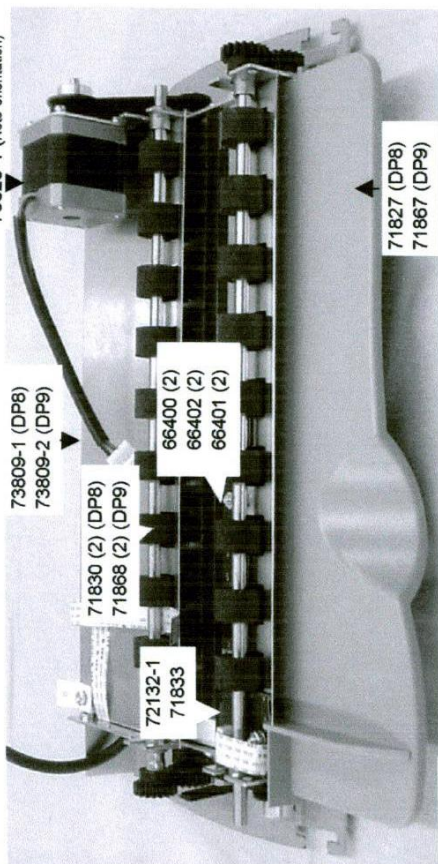
Rev. **H**

73809-1 (DP8)

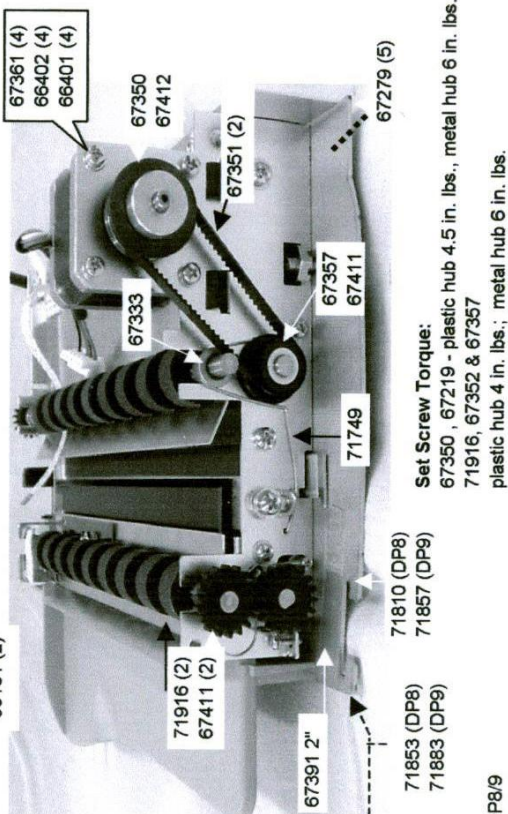
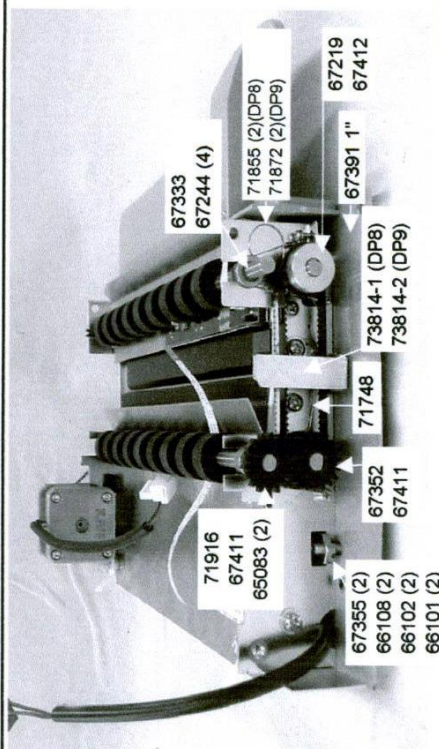
73809-2 (DP9)

Checked: _____

Date: _____



P/N	Description	DP8 Qty	DP9 Qty
65083	Shaft Spacer .37x.26x.156	2	2
67219	Pulley, Timing .080P 24T SF	1	1
67244	Bushing Oilite	4	4
67279	Bump-on Feet	5	5
67333	Crescent Ring, 1/4"	2	2
67350	Document Drive Pulley	1	1
67351	Doc. Drive Belt, 90T	2	2
67352	DP8+9 Rear Xfer Pulley	1	1
67357	DP8+9 Driven Pulley	1	1
67391	Tape, UHMW, 1/2 x 0.005"	3"	3"
71748	Rear Roller Spring, Left	1	1
71749	Rear Roller Spring, Right	1	1
71810	DP8 Base Plate	1	-
71827	DP8 Input Tray	1	-
71830	DP8 Upper Roller	2	-
71833	Lower Gasket Multisensor)	1	1
71853	DP8 Baseplate sound pad	1	-
71855	DP8+9 Relief Spring	1	-
71857	DP9 Base Plate	-	1
71867	DP9 Input Tray	-	1
71868	DP9 Upper Roller	-	2
71872	DP9 Relief Spring	-	2
71883	DP9 Baseplate sound pad	-	1
71916	Gear, 24P 18T	3	3
72132-1	Multisensor PCB	1	1
73809-1	DP8 Lower Drive Assy	1	-
73809-2	DP9 Lower Drive Assy	-	1
73814-1	DP8 Ramp Arm Assy	1	-
73814-2	DP9 Ramp Arm Assy	-	1
73820-1	DP8+9 Motor Assy.	1	1



Set Screw Torque:

67350, 67219 - plastic hub 4.5 in. lbs., metal hub 6 in. lbs.
71916, 67352 & 67357
plastic hub 4 in. lbs.; metal hub 6 in. lbs.

Hardware	Qty DP89
66108	2/2
#10-32 PHMS 1/2"	2/2
66101	2/2
#10 Flat Washer	2/2
66102	2/2
#10 Split Lock Washer	2/2
66400	2/2
#4 Hex Nut	2/2
66401	6/6
#4 Flat Washer	6/6
66402	6/6
#4 Lock Washer	6/6
66601	3/5
#6 Flat Washer	3/5
66602	3/5
#6 Lock Washer	3/5
67355	2/2
Slotted Hex Nut #10	2/2
67361	4/4
M3 x 1/4" PHMS	4/4
67398	3/5
#6 x 1/2" SS Self Tap	3/5
67411	5/5
#6 x 3/16" Set screw	5/5
67412	2/2
#6 x 1/4" Set screw	2/2

	Revisions	Date	By	Checked
Released for Production				
CRADEN PERIPHERALS CORPORATION				
DP8+9 DOCUMENT DRIVE ASSY				
Name:				
Material:				
Finish:				
No. Req'd:				
Drawn by:				
Date:				
Checked:				
Date:				
Drawing No.				Rev.
73810-1 (DP8)				J
73810-2 (DP9)				

~ 2" packaging tape form cable strain relief

65082 (3)

71898
71835 (DP8)
71897 (DP9)

69052

Cable supplied w/display

53025

66400 (3)
66402 (3)

71849

66200 (2)
66202 (2)

71845

65089

Some versions of display modules required an insulating nylon washer installed against the display PCB at this location. If a nylon washer comes off when disassembling, be sure to replace it.

Locking connector
unlock lock

Parts List

P/N	Description	DP8 Qty	DP9 Qty
53025	Display, 16x2 w/cable & connector	1	1
65082	Keypad Spacer, 0.187 OD x 0.093 ID x 0.218 L AL	3	3
65089	Spacer, 5/32 OD x 3/32 ID x 5/16 L Nylon	2	2
69052	DP8+9 Keypad Flex Cable	1	1
71835	DP8 Keypad Decal	1	-
71845	DP8+9 Keypad/Display Bracket	1	1
71849	DP8+9 Keypad	1	1
71897	DP9 Keypad Decal	-	1
71898	DP8+9 Display Window	1	1
72133-1	DP8 Keyboard Assembly	1	-
72133-2	DP9 Keyboard Assembly	-	1

Hardware

P/N	Description	DP8 Qty	DP9 Qty
66200	#2-56 Hex Nut	2	2
66202	#2-56 Split Lockwasher	2	2
66400	#4-40 Hex Nut	3	3
66402	#4-40 Split Lockwasher	3	3

CRADEN PERIPHERALS CORPORATION

DP8+9 KEYPAD/DISPLAY ASSEMBLY

Name:		DP8+9 KEYPAD/DISPLAY ASSEMBLY	
Material:			
Finish:			
No. Req'd:		Scale:	
Drawn by:		Drawing No.	
Date:		73815-1 (DP8)	
Checked:		73815-2 (DP9)	
Date:		Rev.	
		L	

L	Change 65801 to 65089	9/11/2007	MRJ
J	Delete nylon washer	7/11/2006	MRJ
H	Change mica washer to nylon	11/17/2004	MRJ
G	Add separate DP9 decal	2/7/2003	MRJ
	Revisions	Date	By
Released for Production			Checked

73806-1 (DP8)
73806-2 (DP9)

66116
66102
66101
65078

66404
66402
66401

71844

72135-1
(72135-2 if USB)

71861 (DP9)

71809 (DP8)
71865 (DP9)

72138-1

66400 (2)
66402 (2)
66401 (2)

71840 (DP8)
71859 (DP9)

66404
66402
66401

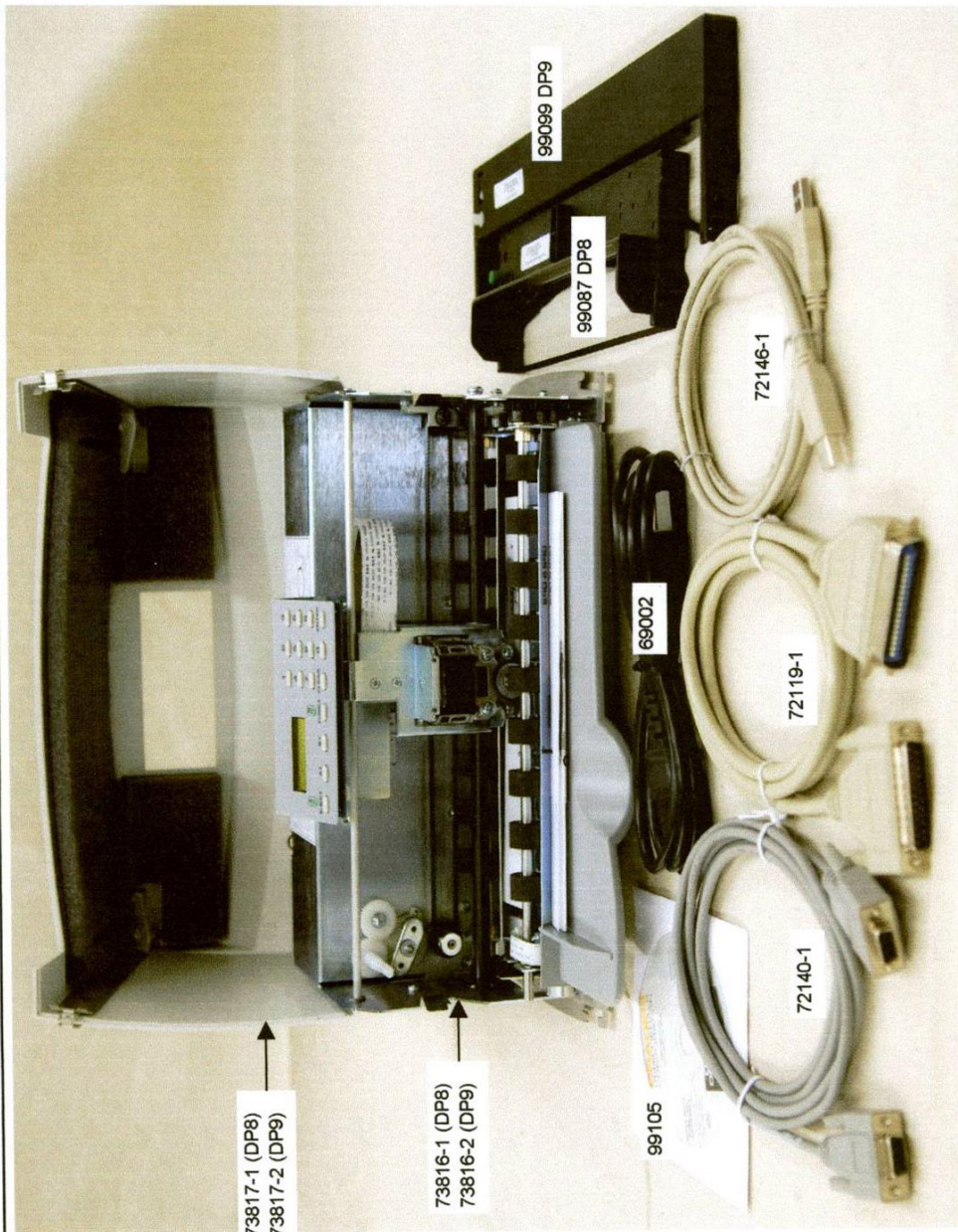
71826

73813-1

73810-1 (DP8)
73810-2 (DP9)

P/N	Description	DP8 Qty	DP9 Qty
55077	Carriage Spacer, Left	1	1
55078	Carriage Spacer, Right	1	1
71809	DP8 Heat Sink	1	-
71826	Carriage Lifter	1	1
71840	DP8 Cabinet Pivot Rod	1	-
71844	Carriage Shaft Spring, R	1	1
71859	DP9 Cabinet Pivot Rod	-	1
71861	Carriage Shaft Spring, L	-	1
71865	DP9 Heat Sink	1	1
72135-1	DP8+9 Main PCB Assy	1	1
72138-1	DP8+9 DC Harness Assy	1	1
73806-1	DP8 Carriage Drive Assy	1	-
73806-2	DP9 Carriage Drive Assy	-	1
73810-1	DP8 Document Drive Assy	1	-
73810-2	DP9 Document Drive Assy	-	1
73813-1	DP8+9 Ribbon Shield Assy	1	1

Hardware	Qty
66116	1
66120	1
66101	1
66102	2
66400	2
66401	2
66402	4
66404	2



P/N	Description	DP8 Qty	DP9 Qty
69002	Line Cord	1	1
72119-1	Parallel Cable Option	-	-
72140-1	Serial Cable	1	1
72146-1	USB Cable Option	-	-
73816-1	DP8 Electromech Assy	1	-
73816-2	DP9 Electromech Assy	-	1
73817-1	DP8 Cabinet Assy	1	-
73817-2	DP9 Cabinet Assy	-	1
99087	DP8 Ribbon	1	-
99099	DP9 Ribbon	-	1
99105	DP8+9 Documentation CD	1	1

Revisions		Date	By	Checked
Released for Production				
CRADEN PERIPHERALS CORPORATION				
DP8+9 Printer Assembly				
Name:				
Material:				
Finish:				
No. Req'd:				
Drawn by:				
Date:				
Checked:				
Date:				
Drawing No.		73819-1 (DP8)		Rev.
		73819-2 (DP9)		D