MAINTENANCE TECHNICAL SUPPORT CENTER HEADQUARTERS MAINTENANCE OPERATIONS UNITED STATES POSTAL SERVICE



Maintenance Management Order

SUBJECT: Update Operational, Predictive, & Preventive

Maintenance Guidelines for Delivery Bar Code Sorter Output Sub System (DBCS/OSS) using

eCBM

TO: Maintenance Managers DBCS/OSS Offices

DATE: February 1, 2013

NO: MMO-017-13

FILE CODE: 2DA

wbro:mm12078ad

	Online Change Record									
Change #	Date	Description of Change								
3	07/18/2022	Attachment 2, Items 18 and 20, removed broken link to MS manual.								
		Changed to "on the MTSC IJP equipment page: MS-224 37pc Ink								
		Jet Printer (37PC IJP)."								
2	05/22/2020	Added the Infrared Thermography information after the online								
		change record.								
1	02/18/2019	Item 36 has additional information in the NOTE and steps 5 and 6.								
		Item 40 Step7 has a reference update.								

This Maintenance Management Order (MMO) provides Preventive, Predictive, and Operational Maintenance Guidelines for the Delivery Bar Code Sorter Output Sub System and supersedes MMO-138-11. The acronym is DBCS/OSS and the class code is CI.

The workhours indicated in the workload estimate (Attachment 1) reflect the *maximum* annual workhours required to maintain each system. Actual workhour requirements and the frequency of tasks are dependent on pieces processed. Therefore, PM workhour requirements will vary day-to-day based on site specific machine utilization. Management may modify task frequencies to address local conditions.

The minimum maintenance skill level required to perform each task is included in the Minimum Skill Level column of each checklist. This does not preclude higher level employees from performing any of this work.

Preventive Maintenance (PM) guidelines provide maintenance employees with the recommended task based maintenance activities. The Electronic Conditioned Based Maintenance (eCBM) is an abbreviated task list that represents a portion of the PM checklist. The complete master PM checklist must be accessible to all maintenance employees when performing PM and eCBM task based maintenance activities.

WARNING

Steps contained in this bulletin may require the use of Personal Protective Equipment (PPE). Refer to the current Electrical Work Plan (EWP) MMO for appropriate PPE requirements.

Web Access: http://mtsc.usps.gov

WARNING

Various products requiring Safety Data Sheets (SDS) may be utilized during the performance of the procedures in this bulletin. Ensure the current SDS for each product used is on file and available to all employees. When reordering such a product, it is suggested that current SDS be requested. Refer to SDS for appropriate personal protective equipment.

WARNING

The use of compressed or blown air is prohibited. An alternative cleaning method such as a HEPA filtered vacuum cleaner, a damp rag, lint-free cloth, or brush must be used in place of compressed or blown air.

For questions or comments concerning this bulletin contact the MTSC HelpDesk, either online at MTSC>HELPDESK>Create/Update Tickets or call (800) 366-4123.

Robert E. Albert

Manager

Maintenance Technical Support Center

HQ Maintenance Operations

- Summary of Workload Estimate for DBCS/OSS
- 2. Master Checklist: 03-DBCS-CI-001-M: Power Off and Power On Tasks
- 3. Master Checklist: 09-DBCS-CI-001-M: Operational Maintenance

ATTACHMENT 1

SUMMARY

WORKLOAD ESTIMATE

FOR

DBCS/OSS

SUMMARY WORKLOAD ESTIMATE FOR DBCS/OSS

			SUMMARY	SUMMARY WORK LOAD ESTIMATES FOR DBCS/OSS						
Number of Processed >		58,000,000	High end e	<u>stimate</u>	For a 110 S	tacker Machi	ine_			
Operation	Routine	Repair	Routine Productive Total			Operation	nal Maintenan Servicing	ce + Total		
Days	Servicing per	Time per	Servicing + Repair	Time per	Servicing per	1 Tour	2 Tours	3 Tours		
	Machine	Machine	Time	Machine	Machine	Hrs/Yr	Hrs/Yr	Hrs/Yr		
	(Hrs/Yr)	(Hrs/yr) *	(Hrs/Yr)	(Hrs/yr) **	(Hrs/Yr)	OpM x 1	OpM x 2	OpM x 3		
5 Days	638.92	191.68	830.60	83.06	913.66	1,138.99	1,364.33	1,589.66		
6 Days	731.65	219.50	951.15	95.11	1046.26	1,316.67	1,587.07	1,857.47		
7 Days	824.38	247.31	1071.69	107.17	1178.86	1,494.33	1,809.79	2,125.26		
*		ntenance esti 0% of total PN		on 30% of prev	entive maint	enance.				
						OPERATIO	NAL MAINTE	NANCE		
						52 MIN. PEI	R DAY PER N	MACHINE		
						One Tour	Two Tours	Three Tours		
					5 Day	225.33	450.67	676.00		
					6 Day	270.40	540.80	811.20		
					7 Day	315.47	630.93	946.40		

	Mach	ine Operat	ing 5 Days	s/Week				
# of Stackers	Routine	Repair	Routine	Non- Productive	Total	Operation	nal Maintenand Servicing	ce + Total
	Servicing per	Time per	Servicing + Repair	Time per	Servicing per	1 Tour	2 Tours	3 Tours
	Machine	Machine	Time	Machine	Machine	Hrs/Yr	Hrs/Yr	Hrs/Yr
	(Hrs/Yr)	(Hrs/yr) *	(Hrs/Yr)	(Hrs/yr) **	(Hrs/Yr)	OpM x 1	OpM x 2	OpM x 3
110	638.92	191.68	830.60	83.06	913.66	1138.99	1364.33	1589.66
126	643.85	193.16	837.01	83.70	920.71	1146.04	1371.38	1596.71
142	659.51	197.85	857.36	85.74	943.10	1168.43	1393.77	1619.10
158	675.22	202.57	877.79	87.78	965.57	1190.90	1416.24	1641.57
174	690.87	207.26	898.14	89.81	987.95	1213.28	1438.62	1663.95
190	710.93	213.28	924.21	92.42	1016.63	1241.96	1467.30	1692.63
206	726.58	217.98	944.56	94.46	1039.02	1264.35	1489.69	1715.02
222	742.29	222.69	964.97	96.50	1061.47	1286.80	1512.14	1737.47
238	757.94	227.38	985.32	98.53	1083.85	1309.18	1534.52	1759.85
254	778.00	233.40	1011.40	101.14	1112.54	1337.87	1563.21	1788.54
270	793.64	238.09	1031.73	103.17	1134.90	1360.23	1585.57	1810.90
286	809.36	242.81	1052.17	105.22	1157.39	1382.72	1608.06	1833.39
302	825.02	247.51	1072.53	107.25	1179.78	1405.11	1630.45	1855.78

	Mach	ine Operat	ing 6 Days	s/Week	•				
# of Stackers	Routine	Repair	Routine	Non- Productive	Total	Operational Maintenance + Total Servicing			
	Servicing per	Time per	Servicing + Repair	Time per	Servicing per	1 Tour	2 Tours	3 Tours	
	Machine	Machine	Time	Machine	Machine	Hrs/Yr	Hrs/Yr	Hrs/Yr	
	(Hrs/Yr)	(Hrs/yr) *	(Hrs/Yr)	(Hrs/yr) **	(Hrs/Yr)	OpM x 1	OpM x 2	OpM x 3	
110	731.65	219.50	951.15	95.12	1046.27	1316.67	1587.07	1857.47	
126	738.32	221.50	959.82	95.98	1055.80	1326.20	1596.60	1867.00	
142	754.84	226.45	981.29	98.13	1079.42	1349.82	1620.22	1890.62	
158	771.42	231.43	1002.85	100.29	1103.14	1373.54	1643.94	1914.34	
174	787.94	236.38	1024.32	102.43	1126.75	1397.15	1667.55	1937.95	
190	809.73	242.92	1052.65	105.27	1157.92	1428.32	1698.72	1969.12	
206	826.25	247.88	1074.13	107.41	1181.54	1451.94	1722.34	1992.74	
222	842.82	252.85	1095.67	109.57	1205.24	1475.64	1746.04	2016.44	
238	859.34	257.80	1117.14	111.71	1228.85	1499.25	1769.65	2040.05	
254	881.13	264.34	1145.47	114.55	1260.02	1530.42	1800.82	2071.22	
270	897.64	269.29	1166.93	116.69	1283.62	1554.02	1824.42	2094.82	
286	914.23	274.27	1188.50	118.85	1307.35	1577.75	1848.15	2118.55	
302	930.75	279.23	1209.98	121.00	1330.98	1601.38	1871.78	2142.18	

	Machine Operating 7 Days/Week							
# of				Non-		Operation	nal Maintenan	ce + Total
Stackers	Routine	Repair	Routine	Productive	Total		Servicing	
	Servicing per	Time per	Servicing + Repair	Time per	Servicing per	1 Tour	2 Tours	3 Tours
	Machine	Machine	Time	Machine	Machine	Hrs/Yr	Hrs/Yr	Hrs/Yr
	(Hrs/Yr)	(Hrs/yr) *	(Hrs/Yr)	(Hrs/yr) **	(Hrs/Yr)	OpM x 1	OpM x 2	OpM x 3
110	824.38	247.31	1071.69	107.17	1178.86	1494.33	1809.79	2125.26
126	832.79	249.84	1082.62	108.26	1190.88	1506.35	1821.82	2137.28
142	850.17	255.05	1105.23	110.52	1215.75	1531.22	1846.69	2162.15
158	867.62	260.29	1127.91	112.79	1240.70	1556.17	1871.63	2187.10
174	885.01	265.50	1150.51	115.05	1265.56	1581.03	1896.49	2211.96
190	908.53	272.56	1181.09	118.11	1299.20	1614.67	1930.13	2245.60
206	925.92	277.78	1203.69	120.37	1324.06	1639.53	1954.99	2270.46
222	943.35	283.01	1226.36	122.64	1349.00	1664.46	1979.93	2295.40
238	960.74	288.22	1248.96	124.90	1373.86	1689.32	2004.79	2320.26
254	984.26	295.28	1279.54	127.95	1407.49	1722.96	2038.43	2353.89
270	1001.64	300.49	1302.13	130.21	1432.34	1747.81	2063.28	2378.74
286	1019.10	305.73	1324.83	132.48	1457.31	1772.78	2088.25	2403.71
302	1036.48	310.94	1347.42	134.74	1482.16	1797.63	2113.10	2428.56

Repair maintenance estimate	Repair maintenance estimates based on		of preventive maintenance.
	Based on	10.00%	of total PM and repair.

		Power 0	Off Tas	sks				
	Threshold ->	3K	1.1 M	1.1M	4.4M	4.4 M	57.2M	
	Item # ->	5	8	9	10	23	24	
	110	9	35	37	139	21	70	
	126	1	5	3	10	3	10	
	142	2	10	6	20	6	20	
	158	3	15	9	30	9	30	
	174	4	20	12	40	12	40	
,,	190	5	25	15	50	15	50	
# Stackers	206	6	30	18	60	18	60	Minutes
Otackers	222	7	35	21	70	21	70	
	238	8	40	24	80	24	80	
	254	9	45	27	90	27	90	
	270	10	50	30	100	30	100	
	286	11	55	33	110	33	110	
	302	12	60	36	120	36	120	

		Power (On Tas	ks				
		1				14.		
	Threshold ->	Month	1K	1.1M	14.3M	3	20M	
	Item # ->	28	25	34	35	36	29	
	110	18	5	7	14	20	219	
	126	2	1	1	2	2	10	
	142	4	1	2	2	4	20	
	158	6	1	3	3	6	30	
	174	8	1	4	3	8	40	
,,	190	10	2	5	4	10	52	
# Stackers	206	12	2	6	4	12	62	Minutes
Stackers	222	14	2	7	5	14	72	
	238	16	2	8	5	16	82	
	254	18	3	9	6	18	90	
	270	20	3	10	6	20	100	
	286	22	3	11	7	22	110	
	302	24	3	12	7	24	120	
		Power (Off Tas	ks				
			1.1			4.4	57.2M	
1	Threshold ->	3K	M	1.1M	4.4M	M		
	Item # ->	5	8	9	10	23	24	
	110	9	35	37	139	21	70	
	126	1	5	3	10	3	10	
	142	2	10	6	20	6	20	
#	158	3	15	9	30	9	30	Minutos
Stackers	174	4	20	12	40	12	40	Minutes
	190	5	25	15	50	15	50	
	206	6	30	18	60	18	60	
	222	7	35	21	70	21	70	

238	8	40	24	80	24	80
254	9	45	27	90	27	90
270	10	50	30	100	30	100
286	11	55	33	110	33	110
302	12	60	36	120	36	120

		Power (On Tas	ks				
	Threshold ->	1 Month 28	1K 25	1.1M 34	14.3M 35	14. 3 36	20M 29	
	110	18	5	7	14	20	219	
	126	2	1	1	2	2	10	
	142	4	1	2	2	4	20	
	158	6	1	3	3	6	30	
	174	8	1	4	3	8	40	
,,	190	10	2	5	4	10	52	1
# Stackers	206	12	2	6	4	12	62	Minutes
Stackers	222	14	2	7	5	14	72	
	238	16	2	8	5	16	82	
	254	18	3	9	6	18	90	
	270	20	3	10	6	20	100	
	286	22	3	11	7	22	110	
	302	24	3	12	7	24	120	

		Power (Off Tas	ks				
	Threshold ->	3K	1.1M	1.1M	4.4M	4.4M	57.2M	
	Item # ->	5	8	9	10	23	24	
	110	9	35	37	139	21	70	
	126	1	5	3	10	3	10	
	142	2	10	6	20	6	20	
	158	3	15	9	30	9	30	
	174	4	20	12	40	12	40	
	190	5	25	15	50	15	50	
# Stackers	206	6	30	18	60	18	60	Minutes
	222	7	35	21	70	21	70	
	238	8	40	24	80	24	80	
	254	9	45	27	90	27	90	
	270	10	50	30	100	30	100	
	286	11	55	33	110	33	110	
	302	12	60	36	120	36	120	

		Power C	n Tas	ks				
	Threshold ->	1 Month	1K	1.1M	14.3M	14.3	20M	
	Item # ->	28	25	34	35	36	29	
	110	18	5	7	14	20	219	
	126	2	1	1	2	2	10	
	142	4	1	2	2	4	20	
	158	6	1	3	3	6	30	
	174	8	1	4	3	8	40	
	190	10	2	5	4	10	52	
# Stackers	206	12	2	6	4	12	62	Minutes
	222	14	2	7	5	14	72	
	238	16	2	8	5	16	82	
	254	18	3	9	6	18	90	
	270	20	3	10	6	20	100	
	286	22	3	11	7	22	110	
	302	24	3	12	7	24	120	

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ATTACHMENT 2

MASTER CHECKLIST

03-DBCS-CI-001-M

POWER OFF AND POWER ON TASKS

Time Total: See roll-ups in Attachment 1.

U.S. Postal Service								IDE	NTIF	ICAT	ION					
Maintenance Checklist	WC	RK			Е	QUIF	MENT	•			CLA	ASS	N	UMBI	ER	TYPE
Maintenance Checklist	CODE ACRONY										CO	DE				
	0	3	D	В	С	S				CI			0	0	1	М
Equipment Nomenclature	Equipment Model							Bı	Bulletin Filename				Occurrence			
Delivery Bar Code Sorter	DBCS/OSS						mm12078ad					ECBM				

Delivery Bar C		orter	DBC:	S/OSS	mm12	2078a	d	Occurre	ECBM	
Part or Component	Item No			nt and Instruction ent safety precaution	ne)	Est. Time	Min. Skill	-	Thresholds	3
Component	NO	,	Comply with all cult	ent salety precaution		Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
SAFETY STATEMENT	1.	Disconn required local lo down a equipme Check for If any supervise further a THE US IS PROHWhen colleaning vacuum in place free close equipme cannot be your supervise WARNIN Steps collections.	ect power and by this instruction on the equation of the compressed of compressed the or brush materials when the compressed of the compre	quired, an alton as a HEPA amp rag must lad or blown air. ay be used on other cleaning not safety deficientiately upon determined.	s when current ly shut. Open ditions. debris., notify th any www. AIR ernative filtered be used. A lintoptical nethods ncies to ection.	1	All			
DDCC/OCC	2	(PPE). F Plan (E requiren	Refer to the c EWP) MMO of ments.	Protective Equurrent Electrication appropriat	al Work e PPE	4	40		1	
DBCS/OSS SYSTEM: REPORT ANALYSIS	2.	Prior to procedur reports to	performing the res, analyze da	e power down ata provided or mac trention.	lockout n these	4	10		1	
DBCS/OSS SYSTEM: SHUTDOWN PRINTER	3.	accorda recent d As of this shut dow MS-235, If an performance	ocumentation; s writing, the detain the system are Volume B, Section NO y problems are	ocedure in the r presently the M ailed steps to pro e in MS Handboo ion 5.2.4.	pperly bk while	4	9		1	

U.S. Postal Service								IDEN	ITIFI	CATI	ON					
Maintenance Checklist	WC				_		MENT					ASS	Ν	UMBE	R	TYPE
Maintenance Checklist	CO	DE		ACRONYM CODE												
	0	3	D	В	С	S					С	I	0	0	1	М
Equipment Nomenclature	Equi	ipmer	nt Mo	del				Bulletin Filename					Occur			
Delivery Bar Code Sorter	DBCS/OSS							mm12078ad								

Part or	Item No	Task Statement and Instruction	Est.	Min. Skill	-	Threshold	S
Component	INO	(Comply with all current safety precautions)	Time Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
DBCS/OSS SYSTEM: POWER DOWN	4.	Power down and lock out power. WARNING Before performing the following steps don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.	1	ALL		1	
		Electrical power will always be present at the input of the disconnect device unless the circuit is disabled at the facility power distribution panel located at Power down the machine and lock out its electrical power as prescribed by the current local lockout instructions providing lockout/restore					
		procedures.					
DBCS/OSS SYSTEM: MAIL SEARCH	5.	 Mail search. Remove all machine panels, except for diverter plate cover assemblies (Wimpy panels), stacker lower front panel assemblies, and Main Power Distribution panel. Ensure each cover's gas spring and retaining clip is able to hold cover in uppermost position. Report defective components to supervisor or perform work order. 	9	7		3	
		Search all base plate areas and module interiors for mail.					
		Remove any mailpieces found.					
		Remove any large amounts of debris while doing this mail search to prevent clogging of the vacuum when doing vacuuming tasks.					
		Follow local procedures for returning mail to operations for processing.					

MMO-017-13

U.S. Postal Service								DENT	FICAT	ION					
Maintenance Checklist	WC	RK			Е	QUIF	MENT			CLA	ASS	Ν	UMB	₽R	TYPE
Maintenance Checklist	CO	DE				4CRC	MYM			CO	DE				
	0	3	D B C S							С	I	0	0	1	М
Equipment Nomenclature	Equi	ipmer	nt Mo	del				Bulletin Filename				Occurr	ence		
Delivery Bar Code Sorter	DBCS/OSS							r	nm12	078ad					

Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	S
Сотрологи	110	(Comply with all content safety presidential)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.

Сопронен	INO	(Comply with all current salety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
						T	
DBCS/OSS SYSTEM: VACUUM/CLEAN 1	6.	Vacuum/clean machine. WARNING	30	7		60	
		Edges of spiral stacking auger may be sharp. Use extreme caution when working near spiral-stacking auger. WARNING					
		Use extreme caution in area of pocket assembly wear plate. On some machines, wear plate extends past edge of its base and into stacker area, exposing sharp edges.					
		WARNING					
		Discard solvent soaked materials according to local procedures to prevent pollution or spontaneous combustion.					
		NOTE					
		While performing this task, check for loose, cracked, or damaged hinges in Reader Module. Notify supervisor if problem found. Refer to the most recent MMO dealing with this problem.					
		Vacuum and clean internal and base-plate areas of the machine starting at the front of stacker module #1, and proceed toward the feeder and around the machine to end up and include the rear of stacker module #1. In the process of doing this, ensure the following areas are cleaned:					
		1. The P-SEN10 and P-LED10 assemblies					
		Feeder section, two power supplies (exterior cage)					
		3. Outside surfaces of jogger assembly					
		Exterior of monitor, keyboard, printer, and printer stand.					
		Ensure laser printer has an adequate amount of paper for three tours of operation; add					

U.S. Postal Service							I	DENT	FICAT	ION					
Maintenance Checklist	WC CO	RK DE			_		MENT		CLASS CODE			NI	JMBE	ĒR	TYPE
	0	3	D	В	С	S				С	I	0	0	1	М
Equipment Nomenclature	Equi	ipmer	nt Mo	del				Bulle	tin File	name	С	Occurrence			
Delivery Bar Code Sorter	DBCS/OSS							1	nm12	2078ad					

Part or Component Task Statement and Instruction (Comply with all current safety precautions) Est. Time Reg (min) Time
paper, if necessary, by following instructions in most current MS-254. a. Open paper tray. b. Fill paper tray with paper. c. Close paper tray. 6. Reader Module 5V power supply and light barriers 7. Exterior of the System Computer and the WFOV Processor 8. Tray label printers cleaning and label stock loading a. Clean/Vacuum interior and exterior of label printers, located on first and eighth stacker modules. b. Ensure label printers are loaded with a sufficient supply of label material to support three tours of operation. If required, load the label printer: 1) Insert label stock between guides
in most current MS-254. a. Open paper tray. b. Fill paper tray with paper. c. Close paper tray. 6. Reader Module 5V power supply and light barriers 7. Exterior of the System Computer and the WFOV Processor 8. Tray label printers cleaning and label stock loading a. Clean/Vacuum interior and exterior of label printers, located on first and eighth stacker modules. b. Ensure label printers are loaded with a sufficient supply of label material to support three tours of operation. If required, load the label printer: 1) Insert label stock between guides
DBCS/OSS SYSTEM: VACUUM/CLEAN 2 7. Clean and/or vacuum the following areas of the machine: WARNING Discard solvent soaked materials according to local procedures to prevent pollution or spontaneous combustion. 1. Clean ICS-3 system electronic enclosure. Clean interior of ICS-3 electronic enclosure

U.S. Postal Service								IDE	NTIF	ICAT	ON						
	WC	RK			Е	QUIF	MENT	•			CLA	ASS	١	IUMB	ER	TYPE	
Maintenance Checklist	CO	DE				ACRO	MYNC				CO	DE					
	0	3	D	D B C S							С	I	0	0	1	M	
Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bı	Bulletin Filename					Occurrence			
Delivery Bar Code Sorter	DBCS/OSS							mm12078ad									

Delivery Bar Co	de Sorter	DBCS/OSS	mm12	2078a	d	Occurre	ECBM	
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precauti	(one)	Est. Time	Min. Skill		Thresholds	3
Component	NO	(Comply with all current salety precauti	Olis)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
DBCS/OSS SYSTEM: VACUUM/CLEAN 3 STACKERS	b. Clean somodule debris a	Clean ICS-3 read head. Recommodeleaner is Riptide, NSN 6850-070164. Clean read head reflector. Recommended cleaner is Riptide in WFOV assembly. WARNING extreme caution when with the WFOV aperture. The neaperture may become extremediately precautions, reflection and sapphine glass for foreign of the thumbscrew on top and put up to remove. Check the apert and sapphire glass for foreign of the sapphire glass using a swabs. If adhesive buildup and the sapphire glass, use a swall cloth wetted with an accept approved cleaner. If dust is found inside approved cleaner.	de. orking edges remely emove the remove t	35	7		1100	

U.S. Postal Service								IDENT	ΓIFIC	CATI	ON					
Maintenance Checklist	WC CO	RK DE		EQUIPMENT ACRONYM						CLASS CODE			N	UMBE	ĒR	TYPE
	0	3	D	В	С	S					С	I	0	0	1	М
Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bulletin Filename					Occurrence			
Delivery Bar Code Sorter	DBCS/OSS							mm12078ad					ECBM			

D	1,	Trad Obstances 11 of the		D.4:		Th ! . ! !	
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill	_	Thresholds	
·			Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
		WARNING					
		<u> </u>					
		Use extreme caution in area of pocket assembly wear plate. On some machines, wear plate extends past edge of its base and into stacker area, exposing sharp edges.					
		WARNING					
		Discard solvent soaked materials according to local procedures to prevent pollution or spontaneous combustion.					
		 Clean stacker modules #2 through the end of the machine, transport area, interior, and pocket assemblies, including light barriers. This does not include the Wimpy Panels. 					
		2. Ensure light barriers are clean.					
DBCS/OSS	9.	Check belts and rollers.	37	9		1100	
SYSTEM: BELTS, ROLLERS AND		WARNING					
HARDWARE		Discard solvent soaked materials according to local procedures to prevent pollution or spontaneous combustion.					
		Starting at the front of stacker module #1, proceed toward feeder and around the machine to end up and include the rear of stacker module #1. Then proceed down the back of the stacker modules and around the front of the stacker modules to end at the front of stacker #2.					
		 Check all belts (drive and letter transport) for indications of excessive wear, deformity, splits, or torn belts. 					
		Write work orders as needed for replacement of belts and/or gates.					
		 Check all rollers/sprockets (drive and idler) for proper adjustment and indications of wear and/or dirt buildup. Clean or replace rollers as necessary. 					
		4. In the Reader Module, clean the motor power unit filter.					

U.S. Postal Service								IDE	NTIF	ICAT	ON					
	WC	RK			Е	QUIF	MENT	•			CLA	ASS	١	IUMB	ER	TYPE
Maintenance Checklist	CO	DE				ACRO	MYNC				CO	DE				
	0	3	D	В	С	S					С	I	0	0	1	M
Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bı	ulletir	Filer	name		Occui	rence		
Delivery Bar Code Sorter		quipment Model DBCS/OSS							m	m12	078ad			Ε	CBM	

Delivery Bar Co	ode So	orter	DBC	S/OSS	mm1	2078a	b	Occurre	ECBM	
Part or	Item No			nt and Instruction ent safety precaution	·o)	Est. Time	Min. Skill		Thresholds	3
Component	INO	(Comply with all cur	eni salety precaution	15)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
				needed for adjust acement of rollers						
DBCS/OSS SYSTEM: VACUUM/CLEAN 4	10.	Edges sharp worki Use eassen mach of its expose	WAR s of spiral stace . Use extreme caution mbly wear ines, wear plates base and sing sharp edge WAR WAR WAR	cking auger mame caution wastacking auger. NING n in area of poplate. On see extends past of into stacker ares. NING soaked materal	evious ned. y be when cocket come edge area, erials to	116	7		4400	
			NO	TE						
		visual and conne found, mainte includ (Wimp	check of wiring connectors ections, etc., and wirte a work cenance. Open ing the plate	d if any problems order to do corre any additional o cover assem order to perform	oling, oose s are ective doors ablies					
		plate: includ vibrat	s, covers, doors ding the vibrator	e. Clean/vacuum , framework, etc. assembly. Verify cord is not rubbi	, /					
		a. C	n Transport Mod Clean all plates, ramework.	lule. covers, doors, ar	nd					

U.S. Postal Service								IDENT	ΓIFIC	CATI	ON					
Maintenance Checklist	WC CO	RK DE			_		MENT NYM				_	ASS DE	N	UMBE	ĒR	TYPE
	0	3	D	В	С	S					С	I	0	0	1	М
Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bulle	etin	Filer	name	(Occurr	ence		
Delivery Bar Code Sorter		DBCS/OSS							mm	า12	078ad			E	CBM	

Delivery Bar C	oue sc	ntei	DBCS/OSS	mm i.	2078a	J		ECRIM	
Part or Component	Item No		Task Statement and Instruction Comply with all current safety precautior	ns)	Est. Time	Min. Skill		Thresholds	
23			,	,	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
		i	Remove and clean the two filters the knob of the air compress cleaning reinstall.						
			Scanner Module - Clean/vacuum s, covers, doors, framework, and ule.						
			Module - Clean/vacuum all plates rs, doors, framework, and top of						
		barco build	n the light barriers adjacent to the ode printer print head by wiping a up from the light barrier lens usir n swab and Videojet makeup or ion.	away ink ng a					
			ng Line Module - Clean/vacuum a s, covers, doors, framework, and ule.						
			der Module - Clean/vacuum all pl rs, doors, and framework. CAUTION	ates,					
		regar (ESD) hand include comp		narge when ards, stem					
		06-00 (eBu Com cove	g the Dust Containment Unit (NS 00-8366) or an ESD compatible of y #58656), clean/vacuum System puter and WFOV Computer. Rer rs from system computer and Wilessor and clean. Re-install cover	vacuum n nove FOV					
		plate plate	n stacker modules. Clean/vacuur s, covers, doors, framework, dive cover assemblies (Wimpy Pane ter display panels back, and fron	erter ls),					
DBCS/OSS SYSTEM: VACUUM/CLEAN 4	10.5.	Vacuum Module.	clean top of Reader and Stack	cer	23	7			Month

U.S. Postal Service								IDENTIF	FICAT	ION					
Maintananaa Chaaldiat	WC				_		MENT				ASS	Ν	UMBI	ĒR	TYPE
Maintenance Checklist	CO	DE				<u>ACRC</u>	MYNC			CC	DE				
	0	3	D	В	С	S				С	Ι	0	0	1	M
Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bulleti	n File	name	(Occurr	ence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3		m	m12	078ad			E	CBM	

Delivery Bar C	ode Sc	orter	DBCS/OSS	mm1	2078a	d		ECBM	
Part or	Item		Task Statement and Instruction	20)	Est.	Min.	,	Thresholds	;
Component	No	(Comply with all current safety precautior	is)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
DBCS/OSS SYSTEM: SAFETY WARNING LABELS	11.	Refer safety MMO-number 1. Verify labels condite 2. Verify labels condite 3. Notify stacks work of the safety work of the safet	r feeder modules have safety wa present, correctly located, and i cion. r stacker modules have safety wa present, correctly located, and i cion. r supervisor of missing or worn feer safety warning labels and initial porder to replace or remove and re	rning n good arning n good eeder/ ate a	2	7		4400	
DBCS/OSS SYSTEM: ENCODERS	12.	Replace and Hose Coup Clam the R Modu 2. If pro proce need	Encoder (Tachometer) Tube Ce Clamp. ove and replace the Encoder Tuber (NSN 4720-02-000-4060) and (NSN 4730-01-336-5495) locateder Module Plate and in the labele. blems occur while doing these edures notify your supervisor, and ed, generate a work order to rese problems.	be d Hose ited on JP	20	9		14300	
DBCS/OSS SYSTEM: UNDER MACHINE CLEAN/CHECK	13.	 Rem mack Tran Usin for m check Rem Folio oper Start work 	d check for mail under machination to the form strips from back side of hine and outer side of Feeder and sport section. If a flashlight, start at Transport and pieces under machine, proceeds for mail to last stacker. If a flashlight is the stacker is the stacker of the last stacker of the last stacker is the stacker of the last stacker of the las	of and look ed to mail to acker, er	58	7		57200	

U.S. Postal Service								IDE	NTIFI	CATI	ON					
	WC	RK			Е	QUIP	MENT				CLA	ASS	N	UMB	₽R	TYPE
Maintenance Checklist	CO	DE			- 1	ACRC	MYM				CO	DE				
	0	3	D	В	С	S					С	I	0	0	1	М
Equipment Nomenclature	Equi	ipmer	nt Mo	del				Βu	ılletin	Filer	name	(Occur	rence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3			mr	m12	078ad			E	CBM	

Part or	Item	Task Statement and Instruction	Est.	Min. Skill		Thresholds	5
Component	No	(Comply with all current safety precautions)	Time Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
		debris found from under the machine.					
		6. Reinstall foam strips to backside of machine.					
FEEDER MODULE	14.	Check feeder wear and items as follows:	1	9		173	
HARDWARE		1. Teflon strip					
		2. Rubber strippers					
		3. Pick-off belts					
		Compensator levers					
		5. Check for recommended gap setting of 5.					
		6. Generate a Work Order to replace as required. Refer to the most recent Maintenance Management Order covering feeder alignment and performance adjustments.					
FEEDER MODULE:	15.	Check feeder alignment.	15	7		1100	
ALIGNMENT CHECK		Check feeder alignment (those steps that do not require power) using template, NSN 5220-04-000-5005, and in accordance with the most recent Maintenance Management Order covering feeder alignment and performance adjustments.					
		NOTE					
		If any discrepancies are found, write a work order to do a full feeder alignment in accordance with the most recent MMO covering feeder alignment and performance adjustments.					
FEEDER MODULE:	16.	Check feeder transport for wear.	5	9		1100	
MAIL TRANSPORT HARDWARE		 Remove bottom feeder panel (clean). Check transport belt for splits, tears, and deformity. Check drive chain for stretch, sprockets for broken teeth and sprocket teeth wear. If chain needs lubrication, refer to DBCS maintenance handbook at completion of this route. 					
		Check transport blade, transport blade mounting bracket, and sliding bearing block for loose bolts.					
		Check transport blade assembly for bearing wear. Ensure transport assembly moves					

U.S. Postal Service								IDE	NTIF	ICAT	ON					
	WC	RK			Е	QUIF	MENT	•			CLA	ASS	١	IUMB	ER	TYPE
Maintenance Checklist	CO	DE				ACRO	MYNC				CO	DE				
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Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bı	ulletir	Filer	name		Occui	rence		
Delivery Bar Code Sorter		quipment Model DBCS/OSS							m	m12	078ad			Ε	CBM	

Delivery Bar C		orter	DBCS/OSS	mm1	2078a	d	Occurre	ECBM	
Part or	Item		Task Statement and Instruction		Est.	Min.		Thresholds	6
Component	No	((Comply with all current safety precautio	ns)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		smoo	othly along guide rod.						
		4. Chec	ck pawl for wear.						
IJP MODULE:	17.		OSTNET bar code printer pri le plate (fence) and replenish i		14	7		173	
POSTNET BAR CODE PRINTER		and guid	· • · · ·	IIIK.					
			WARNING						
			n disposing of ink or ink-satu e, refer to procedures outling						
			y Data Sheets (SDS). ction (goggles or face shield)	Eye must					
		be		away					
			WARNING						
		dried comp altern imple paper Other	t printer (IJP) print head must as part of its service. Do no pressed or blown air. Approp nate means of drying head must emented and may include use towels or use of vacuum suc r, equally effective methods etermined locally.	t use riate, st be se of ction.					
			CAUTION						
		use e	ng print head check and clea extreme care in charge tunnel of touch or bump charge tunne	area.					
		1. Clear	n POSTNET print head and guid	le plate.					
		a. L	Lift fence off its mounting studs.						
			Remove print head from deck pla nount.	ate					
			nstall print head onto service mo place service tray directly below						
		а	Clean base plate of any ink, usin and cleaning solution or make-up luid.						
			Clean fence using a towel and clesolution or make-up ink fluid.	eaning					
		f. C	Clean up any spilled or splattered	d ink.					
			Remove print head cover, and chorint head assembly for traces of						

U.S. Postal Service								IDENT	ΓIFIC	CATI	ON					
Maintenance Checklist	WC CO	RK DE			_		MENT NYM				_	ASS DE	N	UMBE	ĒR	TYPE
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Equipment Nomenclature	Equ	ipmer	nt Mo	del				Bulle	etin	Filer	name	(Occurr	ence		
Delivery Bar Code Sorter		DBCS/OSS							mm	า12	078ad			E	CBM	

•		JI COI	2200,000	_					
Part or	Item		Task Statement and Instruction			Min.		Thresholds	6
Component	No		(Comply with all current safety precautior	R	me eq iin)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		h. (Clean print head as required.						
		i. I	Replace print head cover, and re- print head onto deck plate mount.						
		j. I	Re-install fence on mounting stud	ls.					
		2. Inkje	et printer fluid replenishment.						
			Check and replenish POSTNET բ fluid bottles.	orinter					
			NOTE						
			Do not use expired ink.						
			Recommend removal and discard ink bottles if ink level is below 259						
		c. I	Insert new bottle and replace cap						
		d. (Clean up any spilled or splattered	l ink.					
IJP MODULE: POSTNET BAR CODE PRINTER	18.	replenis A1-3), a	vacuum, make-up, and hment filters on the PC-70/80 (nd if using the 37PC, replace th filter (step B1-7).		4	9		4400	
			WARNING						
		waste	n disposing of ink or ink sature, refer to procedures outlineent Safety Data Sheets (SDS).						
			NOTE						
		PC-7 throu the va	edures for filter replacements or 0/80 are contained below in step gh 3, and the procedure to repacuum filter on the 37PC is contaps B1 though 7 below.	os A1 place					
		A Proc	cedure for the PC-70/80						
		1. Repl	ace both POSTNET printer vacues:	um					
			Disconnect two tubes on right filter.	side of					
		b. I	Disconnect filter from elbow fitting	g.					
		c. I	Remove filter from mounting brac	ket.					
		d. I	Install new filter in mounting brack	ket.					
		е. (Connect filter elbow fitting.						

U.S. Postal Service								IDE	NTIF	ICAT	ION					
Matatanana Objection	WC	RK			Е	QUIF	MENT	•			CL	ASS	N	UMBI	ER	TYPE
Maintenance Checklist	CO	DE				ACRO	MYNC				CC	DE				
	0	3	D	В	С	S					С	I	0	0	1	M
Equipment Nomenclature	Equ	ipmer	nt Mo	del				В	ulletir	Filer	name		Occuri	rence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3			m	m12	078ad			E	CBM	

Delivery Bar Code So	orter		DBCS/OSS	mm1	2078a	d		ECBM	
Part or Item			Task Statement and Instruction		Est.	Min.	,	Thresholds	3
Component No		(1	Comply with all current safety precaution	ns)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
	3.	Replaifilters a. R b. R c. C o d. R Replairepler	connect two tubes to right side of ace both POSTNET printer makes. Itemove clamps at both ends of filter. Connect make-up ink tubes from tubes of filter. Connect make-up ink tubes to eff replacement filter. Iteplace clamps on each end of filter both POSTNET printer nishment ink filters.	e-up ink ilter. om both each end ilter.					
	В	b. Refi	temove ink tubes from both ends liter. Connect ink tubes to each end of eplacement filter. Leplace clamps on each end of fedure for replacing the vacuum	s of					
		on bo	oth 37PC IJPs NOTE						
	i I \ 1.	illustra Printe web p Turn	more detailed information ations, refer to MS-224 37pc In (37PC IJP), found on the Mage.	/ITSC /acuum					
			counterclockwise one turn, and r ting from the filter.	remove					
		the va	he vacuum tube (attached to the acuum filter) off of the barbed fitted behind the vacuum filter.						
		ink m	ove the vacuum filter from the to odule by turning the filter erclockwise until it becomes loo	•					
		Disca tubing	ord the old vacuum filter and atta g.	iched					
		filter, the to	certain that the O-ring is in place then thread the new vacuum filter of the ink module until it is fingular tover tighten.	er into					

U.S. Postal Service								IDE	NTIFI	CATI	ON					
	WC	RK			Е	QUIP	MENT				CLA	ASS	N	UMB	₽R	TYPE
Maintenance Checklist	CO	DE			- 1	ACRC	MYM				CO	DE				
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Equipment Nomenclature	Equi	ipmer	nt Mo	del				Βu	ılletin	Filer	name	(Occur	rence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3			mr	m12	078ad			E	CBM	

D .	T 100 1 11 11	1 = :				
Part or Item Component No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Thresholds	3
	(55.04)	Req (min)	Lev	Run Hours	Pieces Fed	Freq.
		,			(000)	
	6. Push the tube (supplied with the filter) onto					
	the stem on top of the vacuum filter, and					
	insert the opposite end of the tube onto the barbed fitting located behind the vacuum					
	filter.					
	7. Install the fitting removed in step #1 into the					
	top of the new vacuum filter.					
IJP MODULE: 19.	On the PC-70/80, clean bar code printer cap	10	10		4400	
POSTNET BAR	and stem assembly stainless steel vacuum tube.					
CODE PRINTER	tube.					
	WARNING					
	When disposing of ink or ink saturated					
	waste, refer to procedures outlined in					
	current Material Safety Data Sheet (SDS).					
	` '					
	Clean bar code printer cap and stem assembly stainless steel vacuum tube as follows:					
	 Locate stainless steel vacuum tube mounted in cap and stem assembly at left-hand top of ink module. 					
	Remove clear plastic vacuum tube from stainless vacuum tube.					
	Using long nose pliers, gently work stainless steel tube back and forth, and pull it out of cap and stem assembly.					
	 Using cotton swab and Videojet cleaning solution, clean ink build up from interior of stainless steel tube. 					
	5. Dry tube.					
	Using long nose pliers, gently work stainless steel tube back and forth into cap and stem assembly.					
	Attach clear plastic tube to stainless steel vacuum tube.					
IJP MODULE: 20.	Replace POSTNET printer (PC-70/80) final ink	43	10		28600	
POSTNET BAR	filter, replace mufflers. If using a 37PC IJP, replace the Filter Tube Assembly, Primary Ink					
CODE PRINTER	Filter, and check the Input Air Filter. Clean					
	POSTNET Printer cabinets on all models PC-					

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Maintenance	Check	list		WORK CODE		QUIPMENT ACRONYM			LASS ODE	NU	MBER	TYPE
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Equipment Nomenclature				Equipment Mod			Bulletin Fil		_	Occurre		
Delivery Bar C	ode So	rter		DB	CS/OSS	3	mm1	2078a	d		ECBM	
Part or	Item			Task Staten	nent and li	nstruction		Est.	Min.		Threshold	ls
Component	No			(Comply with all co			ns)	Time	Skill	Run	Pieces	Freq.
								Req (min)	Lev	Hours	Fed	1104.
								` ,			(000)	
		70/8	80/37									
				WA	RNING	7						
		,	wast	n disposing o e, refer to pr ent Safety Data								
				edures for th		• •						
				ace trail and le	k filter at							
				f ink cylinder a	K IIII.EI al							
			a.	Open doors cabinet.	T printer							
			b.	Place absorbeink module.	beneath							
			C.	Remove ink cylinder.	nd filter f	from ink						
			d.	Install new filt	er.							
			e.	Secure snugly Reattach ink l		o not ove	r-tighten.					
			f.	Close doors cabinet.	on the	POSTNE	T printer					
			g.	Replace Lead of ink cylind through f above	er by i	epeating	steps a					
			Clea trail):	n POSTNET į	orinter o	abinets (I	ead and					
				Open doors o cabinets.	n both	POSTNE	T printer					
			b. '	Vacuum clean	electron	ics side.						
				Clean ink side appropriate sol		lint free r	ags and					
				Close doors on both POSTNET I cabinets.								
				ace inkjet prin llows:	and trail)							
				Remove muff cabinet.	ler fron	n bottom	of IJP					

b. Install new muffler.

U.S. Postal Service								IDEN	NTIF	ICATI	ON					
Maintenance Checklist	CO	RK DE			_		MENT NYM				_	ASS DE	Ν	UMBI	ĒR	TYPE
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Equipment Nomenclature	Equ	pmer	nt Mo	del				Bu	ılletin	Filer	name	(Occurr	ence		
Delivery Bar Code Sorter				BCS/	OSS	3			mı	m12	078ad			E	CBM	

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Part or Component	Item No			Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	s
Component	140			(Comply with all current safety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
		4.	Clor	se printer doors.					1
				·					
		В	PIC	ocedures for the 37PC printers:					
			_	NOTE					
			man	more detailed information and trations, refer to the most current MS ual found on the MTSC IJP equipment e: MS-224 37pc Ink Jet Printer (37PC .					
		1.	Rep	place primary ink filter (lead and trail).					
			a.	Place absorbent towels below the ink module to catch any ink that may spill when removing the primary ink filter.					
			b.	Remove the fitting from the bottom of the primary ink filter by turning with a 7/16 inch wrench.					
			C.	Unscrew the primary ink filter from the bottom of the ink module.					
			d.	Wipe excess ink from the bottom of the ink module mounting hole.					
			e.	Discard the old primary ink filter.					
			f.	Install the new primary ink filter into the bottom of the ink module until finger tight. Do not over tighten. Hand-tighten only.					
			g.	Install the fitting into the bottom of the primary ink filter.					
		2.		mplete the following steps to check and/or lace the input air filter:					
			a.	Use a wrench to loosen the black nut at the top of the elbow fitting.					
			b.	Use a dull, pointed instrument to pull the input air filter out of the bottom of the air manifold.					
			C.	Check the input air filter for dirt and damage. Replace the input air filter if necessary. If questionable, replace the filter to ensure proper printer operation.					

U.S. Postal Service								ID	ENTIF	ICATI	ION					
Maintenance Checklist	WO CO						MEN NYN				_	ASS DE	١	IUMB	ER	TYPE
	0	3	D	В	С	S					С	I	0	0	1	M
Equipment Nomenclature	Equi	pmer	nt Mo	del					Bulletir	Filer	name		Occu	rence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3			m	m12	078ad			E	CBM	

Delivery Bar Co	ouc oc	n tei	DBC3/033	1111111	20 <i>1</i> 0a	J		ECDIVI	
Part or	Item		Task Statement and Instruction		Est.	Min.	,	Threshold	s
Component	No	(Comply with all current safety precaution	ns)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
			nstall the new or existing input						
		t t	Thread the elbow fitting back pottom of the air manifold, and he nut to secure the fitting. Do lighten.	d tighten					
IJP MODULE: POSTNET BAR CODE PRINTER		Replace ink bottle	Bottle Filter Assemblies in boes.	th IJP	2	9			60 Wks
BOTTLE FILTER			WARNING						
		waste	n disposing of ink or ink satu e, refer to procedures outline ent Safety Data Sheets (SDS).						
			NOTE						
			procedure is applicable to Ink so on the PC 70/80 and PC 37 Iners.						
		filter t	ne bottle (ink or make-up), in wh cube assembly is being replaced the fluid pan.						
		attach	ne cap off the bottle, and slide the ned bottle filter tube assembly on Place the bottle aside.						
			ove the fitting from the top of the og counterclockwise one full turn						
		4. Pull tl	he line with attached rubber tube op.	e off the					
		5. Disca	ard the old filter tube assembly.						
			I the fitting on the top of the cap pottle filter tube assembly.	on the					
		(remo	I the line with attached rubber to oved in step 4) on the top of the ew bottle filter tube assembly.						
		bottle	t the bottle filter tube assembly in , and push the cap down to secondly. Place the bottle into the flu	ure the					
			at steps 1-8 to replace the filter mbly in the other bottle.	tube					
		10.							

U.S. Postal Service								IDEI	NTIF	CAT	ON					
Maintenance Checklist	WORK CODE				_		MENT NYM				_	ASS DE	N	UMBI	ĒR	TYPE
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Equipment Nomenclature	Equ	ipmer	nt Mo	del				Вι	ulletin	Filer	name	C	ccurr)	ence		
Delivery Bar Code Sorter				BCS/	OSS	3			mı	m12	078ad			E	CBM	

		BBee/eee IIIIII					
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Thresholds	3
Component	NO	(Comply with all current salety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
READER MODULE: WFOV FOAM ROLLER	22.	WFOV foam roller check. Check WFOV foam roller in Reader module. Replace roller if necessary.	1	9		4400	
STACKER MODULES: POWER SUPPLIES	23.	Use non-metallic ends on the vacuum while cleaning the power supplies. 1. Remove each cover on stacker module 5/24/42 VDC power supplies. 2. Verify power supply has two fuse blocks (MSB–022–98). 3. Using an approved vacuum cleaner, clean inside of each power supply assembly. 4. Replace covers.	21	9		4400	
STACKER MODULES: FOAM PADS	24.	Check the Foam Pads located on every Guard Finger of the Stacker Fence Assembly in each Stacker Pocket area all Tiers. NOTE For a location reference, use MS-229, Vol. E, Figure 11-10, Tier 1 Fence Assembly, Index Number 38. This reference was valid as of the date of this writing, as always use the most recent documentation available. 1. Check the Foam Pads (NSN 9320-03-000-0023) to see if they are missing, damaged, and/or degraded in any way. 2. Make a list of the Foam Pads needing replacement and their locations. 3. Generate a Work Order to replace the Foam Pads found and recorded in Steps 1 and 2 of this instruction.	70	9		57200	

U.S. Postal Service							- 1	DENTIF	ICAT	ION					
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Maintenance Checklist	CO	DE				<u>ACRC</u>	MYMC			CO	DE				
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Part or Component	Item No	(Task Statement and Instruction Comply with all current safety precaution	ns)	Est. Time Req (min)	Min. Skill Lev	Run Hours	Thresholds Pieces Fed (000)	Freq.
DBCS/OSS SYSTEM: MACHINE PREP	25.	 Ensurement Repl 	machine for power up. ure tools and materials are remo work area. ace all machine panels. e all machine doors and covers.		5	7		1	
DBCS/OSS SYSTEM: POWER UP	26.	Be ca equip applie For detail system, r B, Section	•	or on been ne /olume	3	7		1	
DBCS/OSS SYSTEM: POWER UP IJP	27.	Be ca equip applie Perform accordan	• • • • • • • • • • • • • • • • • • •	been inters in	2	7		1	
DBCS/OSS SYSTEM: INTERLOCKS AND E-STOPS	28.	Be ca equip applie mach to pre	WARNING utious when working around	or on been the tions	18	7			M

U.S. Postal Service								IDEN	NTIF	CAT	ON					
Maintenance Checklist	CO	RK DE			_		MENT NYM				_	ASS DE	Ν	UMBI	ĒR	TYPE
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Part or Component No (Comply with all current safety precautions) Still Req (min) Run Hours Pieces Fed (000)	Freq.
NOTE When performing this step, check only one	Freq.
When performing this step, check only one	
When performing this step, check only one	
interlock switch and one emergency stop switch with machine running. Check all other interlock and E-Stop switches while machine is stopped.	
NOTE	
This task requires two people. Time is doubled for staffing purposes. Verify light conditions and warning sounds for each E-Stop and interlock.	
1. Start machine. Verify that when START switch is pressed, start-up warning indicators around sorter flash amber. At same time, start-up warning horns sound. The horns sound for 5 seconds and go off, while warning indicators flash for a total of 10 seconds. Machine runs.	
Press EMERG STOP mushroom switch on feeder control panel assembly and note that following occurs:	
a. Machine stops immediately.	
b. Lamp lights in EMERG STOP switch.	
c. Red EMERG STOP indicator lights on appropriate system control panel column.	
d. READY lamp goes out on system control panel.	
e. Pressing Start pushbutton does not start machine.	
Reset EMERG STOP mushroom switch and note that following occurs:	
a. System READY lamp illuminates on system control panel.	
b. Red EMERG STOP indicator goes out on appropriate system control panel column.	
c. Lamp goes out in module control panel EMERG STOP switch.	
d. Machine can now be started.	

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U.S. Postal Maintenance		list			WORK CODE	- 1			QUIPN	ЛЕNТ	INFN	<u> </u>	CL	ASS ODE	N	UMB	ER	TYPE
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				3)			/ lamp panel	goes	out o	on sy	1							
				4)			ng Sta achine	rt push	nbutte	on do	oes n	ot						
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			h.	Ма	chine	ca	ın nov	be st	artec	ł.								
			all swing cause and act about the same act	rematcheuses densions ove to the curi	at starting and stopping machine, check haining EMERG STOP mushroom es one at time to ensure that each one is actions as described in items 2-b, c, above to occur when pressed and is described in items 3-a, b, and c to occur when they are reset. WARNING Performing the following steps e appropriate PPE as required by rrent Electrical Work Plan (EWP)													
		l																1

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Maintenance Checklist	WC CO	RK DE			_		MENT NYM				_	ASS DE	N	UMBE	ĒR	TYPE
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Delivery Bar C	ouc o	nter DBC3/O33 mini	2010a	u		ECDIVI	
Part or	Item	Task Statement and Instruction	Est.	Min.		Thresholds	
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		 Without starting and stopping machine, check interlocks one at a time, by opening panel or door, to ensure that each one causes actions described in items 2-c and d above to occur when opened and actions described in items 3-a and c occur when panel or door closed. When an interlock is activated in stacker there will be an indication on stacker display panel. Red full bin lights will flash on top row of panel. When interlock is deactivated, lights will go out. If any problems are found, notify supervisor. 					
DBCS/OSS SYSTEM: PREDICTIVE MAINTENANCE	29.	Perform predictive maintenance tasks and procedures. WARNING Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts. WARNING Before performing the following steps don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO. NOTE While performing all of the PdM tasks, make a note of any area where excessive vibration, noise, and/or heat are detected. Initiate a work order to cover any annotated area that requires additional investigation. Prepare machine. a. Shut down the DBCS/OSS System in accordance with the following reference: 1) For detailed steps to properly shut down the system, refer to MS Handbook MS-235, Volume B, Section 5.2.4.	219	9		20000	

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Equipment Nomenclature Delivery Bar Cod	e Sorter	Equipment Model DBCS/OSS	Bulletin File	ename 2078a	d .	Occurre	nce ECBM	
	Item No	Task Statement and Instruction (Comply with all current safety precaution	ns)	Est. Time Req (min)	Min. Skill Lev	Run Hours	Thresholds Pieces Fed (000)	Freq.
	Befordon to the common to proper and to prop	2) Power down the machine as prescribed by the current local lockout instructions providing lockout/restore procedures. WARNING The performing the following state appropriate PPE as require surrent Electrical Work Plan (Inc.) Open covers and remove panels all machine doors including Main Power Panel, Feeder Distribution and Motor Distribution Panel. Operemove all machine panels, this indiverter plate cover assemblies (Inc.) WARNING WARNING Autious when working around of the power when power has ed. This task requires that hine be running. Take precaute event hair, clothing, jewelry, the test equipment from being capting parts. NOTE Main Power Unit must by-passetic contacts for DBCS to run. NOTE The power up inkjet printers at this except for the IJP, restore power equipment as prescribed by the color procedure providing lockout procedures. Start the DBCS/OSS machine.	steps ed by EWP) . Open AC n Panel, en or ncludes Wimpy nes. ass S to run. or on been t the tions cools, aught s the					

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Dorton	14		Tools Clatery and Instruction	F-+	N.4:		Thus als als	_
Part or Component	Item No		Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	
				Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
	· ·	•	NOTE					<u> </u>
			NOTE					
		min	chine must have been running for a imum of 15 minutes prior to doing the asonic and infrared scans.					
		2. Ul 1	rasonic scans.					
			NOTE					
			e the Long Range Module (cone) on the a-Probe when doing the ultrasonic ns.					
		a.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of the Feeder, for excessive vibration and noise.					
		b.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of the Transport, for excessive vibration and noise.					
		C.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of the Tag/Scanner module, for excessive vibration and noise.					
		d.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of the IJP Printer module, for excessive vibration and noise.					
		e.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of the Drying Line module, for excessive vibration and noise.					
		f.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of the Reader module, for excessive vibration and noise.					
		g.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of Motor Power Distribution, for excessive vibration and noise.					
		h.	Use ultrasonic detector to monitor all bearing assemblies, top and bottom of Tiers 1-4 of the Stacker modules, for excessive vibration and noise.					

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Part or			State								Est.	Min.			Thre	sholo	S		
Component	No	(Comp	oly wi	th all o	currer	nt saf	ety pr	ecauti	ions))		Time	Skill					
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Delivery Bar Code Sorter		DBCS/OSS	DBCS/OSS mm12078ad		d	ECBM		
Part or Item		Task Statement and Instruction	20)	Est.	Min.	Thresholds		
Component N		(Comply with all current safety precautior	18)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
3. Infrared scans.								
	i	Use non-contact infrared to scan Power Unit front and rear (magne nterlock on panel), scan all termi connections and connector plugs	etic nal					
	r	Use non-contact infrared to monit motors, terminal connections, and connector plugs in the Feeder for abnormal temperature.	b					
	t t	Use non-contact infrared to monit rerminal connections and connections in the Feeder Distribution Pathormal temperature.	tion					
	r	Use non-contact infrared to monit motors, terminal connections, and connector plugs in the Transport abnormal temperature.	d					
	t f	Use non-contact infrared to monit rerminal connections and connections in the Tag/Scanner module abnormal temperature.	tion					
	t F	Use non-contact infrared to monit rerminal connections and connections in the IJP module for abnor remperature.	tion					
	t t	Use non-contact infrared to monit terminal connections and connections in the Drying Line module for abnormal temperature.	tion					
	\$	Use non-contact infrared to monit scan all terminal connections and connection plugs in the Drying Tr module for abnormal temperature	l ansport					
	t f	Use non-contact infrared to monit rerminal connections and connections in Reader module for abnor remperature.	tion					
	t t	Use non-contact infrared to monit rerminal connections and connections in the Motor Distribution Pa abnormal temperature.	tor					
		Use non-contact infrared to monit terminal connections and connec						

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Maintenance Checklist	CO	RK DE			_		MENT NYM				_	ASS DE	Ν	UMBI	ĒR	TYPE
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Delivery Bar Code Sorter		DBCS/OSS							mı	m12	078ad			E	CBM	

Delivery Bar C	ode So	rter	DBCS/OSS	mm1	2078a	d		ECBM	
Part or Component	Item No		Task Statement and Instruction (Comply with all current safety precaution	ns)	Est. Time	Min. Skill		Threshold	
·					Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
			olugs in the Stacker Modules, Tie or abnormal temperature.	ers 1-4					
		4. Rest	ore equipment to ready status	3.					
		a. S	Shut down the DBCS/OSS Syste accordance with the following ref	m in					
		1	 Refer to MS Handbook MS-2 Volume B, Section 5.2.4 for c steps to properly shut down t system. 	detailed					
		2	Power down the machine as prescribed by the current loc- lockout instructions providing lockout/restore procedures.						
			WARNING						
		don t	re performing the following s he appropriate PPE as require urrent Electrical Work Plan (I	ed by					
		t v	Replace all panels and doors. En ools and materials are removed work area. Replace all machine p Close all machine doors and cove	from panels.					
			WARNING						
			nutious when working around on ment when power has ed.						
		p	Restore power to equipment as prescribed by the current local proproviding lockout/restore procedu						
		C	Power on computer systems usin current local computer restore procedures.	ng					
		r r	Perform normal power on of inkjer printers in accordance with the material ecent documentation for the PC- and/or 37PC.	ost					

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Delivery Bar Co		orter	Equipment Model DBCS/OSS		Bulletin File	ename 2078a	d	Occurre	nce ECBM	
Part or	Item	10	Task Statement and Instruct		-)	Est.	Min.		Thresholds	3
Component	No	(0	Comply with all current safety pre	caution	is)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
FEEDER MODULE: ALIGNMENT CHECK		Be cau equipr applie Check fee template accordance Managem and perform If any work concerning to the covering applies applies to the covering applies	eder alignment (Power On NSN 5220-04-000-500 ce with the most recent lent Order covering feed rmance adjustments. NOTE discrepancies are found order to do a full feeder alignment lence with the most recent seeds and the covering of the covering feeder alignment of the covering feeder alignment is a seed or the covering feeder alignment is a seed or the covering feeder alignment feeder alignme	as I step 05 a Main ler al d, wri	s) using and in tenance ignment ite a ent in	15	7		1100	
TAG SCANNER MODULE: ID TAG READER		Before don the cumMMO. Be cau equipring applie Use the rounder concedure enclosure switches resident to the conceduration	WARNING e performing the follow ne appropriate PPE as re urrent Electrical Work PI WARNING utious when working aro ment when power h	ing s quire an (E und c as I Mana ader to rder to er s	or on been agement system perform o locate supplies,	10	10		4400	

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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Thresholds	
,			Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
READER MODULE: WFOV ALIGNMENT		Perform the following on the WFOV Read Head Assembly on the DBCS. WARNING Before performing the following steps don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO. WARNING Be cautious when working around or on equipment when power has been applied. 1. The WFOV Read Head Assembly (RHA) is position-mounted on a spacer plate. On the DBCS, DIOSS, and CIOSS the spacer plate is secured to a mounting plate. Ensure the Spacer Plate is properly aligned in accordance with the most recent documentation covering this procedure, currently this will be MS-212, Section 5.2.1. 2. Perform the WFOV Installation Alignment in accordance with the most recent documentation covering this procedure, currently this will be MS-212, Section 5.2.2.1. 3. If any problems arise necessitating corrective actions, write a work order to document the time and events associated with those problems.	8	10		4400	
READER MODULE: POWER SUPPLY	33.	Power supply PS1 (5VDC Reader) adjustment. WARNING Before performing the following steps don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.	5	9		4400	

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Part or Iter Component No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Thresholds	3
Component	(Comply with all current salety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
STACKER 34 MODULES: BIN SWITCH TEST	Be cautious when working around or on equipment when power has been applied. 1. Open Reader lower left door. 2. Place multimeter leads with clips on connectors J14 and J15 of Reader Card Cage backplane. 3. A reading of 5.1 VDC should be present, if not adjust, 5 VDC power supply potentiometer to obtain a reading of +5.0 VDC (+0.1/-0.0 VDC). 4. Close door. Stacker bin-full switch checks. WARNING Be cautious when working around or on equipment when power has been applied. 1. Pull each stacker blade to its 3/4 full position and note that its associated red indicator on stacker module display panel flashes and stacker module horn beeps. Note defective stacker switches. 2. Pull each stacker blade to its full position and note that its associated red indicator on stacker module display panel is illuminated and stacker module horn beeps. Note defective stacker switches. 3. Verify stacker blade rides smoothly on the guide rod. 4. Notify supervisor of defective stacker switches and/or blades and initiate a work order to repair or replace as necessary.	7	7		1100	

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Part or	Item	Task Statement and Instruction	Est. Time	Min. Skill		Thresholds	3
Component	No	(Comply with all current safety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
STACKER MODULES: POWER SUPPLY	35.	Power supply adjust PS1 - 5 volts (stackers). WARNING Before performing the following steps don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO. WARNING Be cautious when working around or on equipment when power has been applied. 1. Place multimeter leads with clips on connectors J10 and J11 of the stacker backplane. 2. A reading of 5.1 VDC should be present, if not adjust the power supply potentiometer to obtain a reading of +5.0 VDC (+0.1/-0.0 VDC).	14	9		14300	
STACKER MODULES: GATE SOLENOID PUSHERS	36.	Gate and solenoid pusher assembly test. WARNING Be cautious when working around or on equipment when power has been applied. 1. Main Menu, select following maintenance test: Maintenance-Systems Tests-Stacker Module Test-Gate Activation Test. 2. At the Gate Activation Test screen, select the following: Select Stackers-All, Select Gates-All, and Select Action-Sequence. NOTE On machines with the solenoid pusher assemblies activated, identify visually inoperative solenoid pusher assemblies and gates by viewing each stacker module one by one. On machines with the solenoid pusher assemblies de-activated per MMO-035-04, ensure the solenoid pusher assemblies do not activate during this test sequence.	20	9		14300	

IDENTIFICATION U.S. Postal Service WORK CODE EQUIPMENT ACRONYM CLASS CODE NUMBER TYPE **Maintenance Checklist** 0 3 В С S С 0 0 М **Equipment Nomenclature** Bulletin Filename Equipment Model Occurrence

Delivery Bar C		' '	mm12		d	Occurre	ECBM	
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions	-)	Est. Time	Min. Skill		Thresholds	3
Component	NO	(Comply with all current salety precautions	5)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
	3.	energizing every gate and solenoid assembly sequentially, repeatedly responding to the testing screen DBCS monitor and answering Yes the test will move to the next module. The testing will be identical for stacker module.	pusher ly. By on the or <u>N</u> o, stacker					
	5.	,,	emblies ith the ctivated, orly and is time, ating for ctivated. er LED ergized.					
	6.	corrective procedures and ad information on machines that ha pusher assemblies deactivated.	ditional					
DBCS/OSS VALIDATION: MACHINE VALIDATION	37. P	erform the mail path validation by chasic machine functions as follows: WARNING Be cautious when working around o equipment when power has be applied. This task requires that machine be running. Take precauti to prevent hair, clothing, jewelry, to and test equipment from being cau in moving parts.	r on been the ions bols, ught	4	9		3	

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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	
		(2004)	Req (min)	Lev	Run Hours	Pieces Fed	Freq.
			(111111)			(000)	
		2. Start machine. Verify when START switch is					
		pressed, start-up warning indicators around					
		sorter flash amber. At same time, start-up					
		warning horns sound. Horns sound for 5 seconds and go off, while warning indicators					
		continue to flash for a total of 10 seconds.					
		3. Do a visual and audible check of machine to					
		verify there are no problems with belt tracking, bearing noise, inappropriate bin					
		gate activity, or any indications of impending					
		or existing machine problems.					
		4. Proceed to end stacker and press					
		Emergency Stop button. Verify machine stops.					
		5. If machine fails to stop, notify supervisor.					
		Refer to the most recent Maintenance					
		Management Order, currently MMO-002-03, concerning failure to stop.					
		6. De-activate E-Stop and turn Maintenance					
		Mode switch back to NORMAL on operator					
DBCS/OSS	38.	control panel. Check label printer. Verify label quality.	2	7		3	
VALIDATION:	30.		2	,		3	
LABEL PRINTER		WARNING					
		Be cautious when working around or on equipment when power has been					
		applied.					
		 On label printer, press LINE FEED button one time. Label printer will print out test label. 					
		Verify test label has good quality print (not blurred) and is readable to human eye.					
		3. If the quality of the print is unacceptable, write					
		a work order to troubleshoot and/or clean the					
		thermal head using cleaning kit (NSN 7930-07-000-1593).					
		333 1333].					
DBCS/OSS VALIDATION:	39.	Run WFOV test deck (NSN 3915-06-000-8292) as follows:	9	9		3	
WFOV TEST DECK		40 10110110.					
					_		

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Maintenance Checklist	CO	DE				ACRO	MYNC				CC	DE				
	0	3	D	В	С	S					С	I	0	0	1	M
Equipment Nomenclature	Equ	ipmer	nt Mo	del				В	ulletir	Filer	name		Occur	rence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3			m	m12	078ad			E	CBM	

Delivery Bar Co	de So	ter DBCS/OSS mm1	2078a	d		ECBM	
Part or	Item	Task Statement and Instruction	Est.	Min.		Threshold	S
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts. Set up machine in DBCS Mode. Load Run information. Enter Operation number (750). Select F2 to accept. Load sort plan WFOV_TDK.EBF Select "Start Mail Processing". Select Display ZIP/Pkts and On Line Display. Start machine and process WFOV test deck. Ensure WFOV has a GAR that equals 99% or greater. If the GAR is lower than 99%, check read reject bins for any test cards that may have unreadable bar codes. If necessary, perform a WFOV auto-calibration. Verify the Certified Mail portion of the test deck sorts properly. If any additional time is needed to correct ZIP result discrepancies and/or GAR issues, including auto-calibration, initiate a work order.					
DBCS/OSS VALIDATION: ICS STRESS DECK		WARNING Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts. Verify the ICS-3 Reader as follows:	5	9		3	

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Maintenance Checklist	CO	DE			- 1	ACRO	MYM				CO	DE				
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Equipment Nomenclature	Equipment Model							Bulletin Filename					Occur			
Delivery Bar Code Sorter			DB	BCS/	OSS	3			mr	n12	078ad			E	CBM	

		Title BB00/000 IIIIII					
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Thresholds	3
Component	NO	(Comply with all current salety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
					1	1	1
		 Set machine up to run in DBCS mode, use sort plan ICSTSTI.ebf. 					
		From ON LINE MAIL PROCESSING screen, select Display ZIPs/Pkts.					
		 From Select Display Option screen, select On-Line Display. 					
		4. Start machine and run the stress deck, NSN 3915-10-000-6361.					
		 At on line display screen, verify that ICS-3 Reader detected all ID Tags present and they read same. 					
		6. Stop machine.					
		7. Retrieve and verify cards sorted correctly. Refer to the most recent MMO, currently, MMO-144-15, dealing with sorting problems.					
		8. Notify supervisor of any problems found.					
DBCS/OSS	41.	IJP Test.	3	10		3	
VALIDATION: IJP		 From Main Menu select <maintenance>, then <system tests="">, and then <ink jet="" printer<br="">Test>.</ink></system></maintenance> 					
		Spray five blank cards (NSN 5220-03-000- 5975) with an A-field bar code.					
		3. Check the bar codes for location and quality.					
		NOTE					
		Right edge of letter to left framing bar should be 4 1/8" to 4 1/4". Bottom of bars should be even and 1/4" ± 1/16" above bottom edge.					
		4. Write a work order if adjustments are needed.					
DBCS/OSS VALIDATION: UAA INTERCEPT BARCODE	42.	Verify that the OCR engine in the DBCS mode can intercept UAA mail.	9	9		1100	

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Maintenance Checklist	_	RK					MEN				_	ASS		Νl	JMBE	R	TYPE
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Equipment Nomenclature	Equ	ipmer	nt Mo	del				В	ulletir	Filer	name		Occ	urre	ence		
Delivery Bar Code Sorter			DE	BCS/	OSS	3			m	m12	078ad				EC	CBM	

Delivery Bai C	ouc co	itei DBC3/O33 IIIIII	2010a	u		ECDIVI	
Part or	Item	Task Statement and Instruction	Est. Time	Min. Skill		Thresholds	3
Component	No	(Comply with all current safety precautions)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
		WARNING Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts. Using the Xanadu Test Deck, NSN 9310-08-000-3864, P/N 66.1026.034-00, do the following from the Main Menu: 1. Select Mode Select.				(000)	
		 Select DBCS. Load Run Information. Enter Operation Number (750). 					
		 Select F2 to accept. Load a sortplan that has a confirmed UAA pocket assigned (ParsSpecial Pockets.ebf assigns pocket 39 for UAA). 					
		7. Start mail processing and run UAA test deck.8. Print or view the End of Run report.					
		 Calculate the intercept rate (# confirmed UAA test pieces divided by the total # of test pieces fed, multiplied by 100). 					
		10. Verify that at least 90% of the UAA test deck was intercepted.11. Log off the system computer.					
FINAL CLEAN UP		Clean up. Ensure all tools, lubricants, rags, etc., are removed from the work area. Report all deficiencies to supervisor.	2	ALL			

ATTACHMENT 3

MASTER CHECKLIST

09-DBCS-CI-001-M

Operational Maintenance

Time Total: 52 minutes

Task Item Number	Basic Task	Times Done	Total Time
	Time Min.	During Tour	per Tour Min.
1	1	1	1
2	1	1	1
3	1	3	3
4	1	3	3
5	1	3	3
6	1	3	3
7	1	3	3
8	2	3	6
9	1	3	3
10	2	3	6
11	1	3	3
12	5	3	15
13	2	1	2
		Total OPM Time	52

U.S. Postal Service								IDE	NTIF	ICATI	ON					
Maintenance Checklist	CO	RK DE			_		MENT NYM				_	ASS DE	N	UMBE	ĒR	TYPE
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Equipment Nomenclature Delivery Bar Code Sorter	Equipment Model DBCS/OSS										name 078ad		Occurr			

	•	_					
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	S
			Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
SAFETY STATEMENT	1.	COMPLY WITH ALL SAFETY PRECAUTIONS. Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shutdown and lockout this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found, notify supervisor prior to proceeding with any further action on the equipment. THE USE OF COMPRESSED OR BLOWN AIR IS PROHIBITED. When cleaning is required, an alternative cleaning method such as a HEPA filtered vacuum cleaner or a damp rag must be used in place of compressed or blown air. A lint-free cloth or brush may be used on optical equipment only when other cleaning methods cannot be used. Report safety deficiencies to your supervisor immediately upon detection. WARNING FOR EWP/PPE: Steps contained in this bulletin may require the use of Personal Protective Equipment (PPE). Refer to the current Electrical Work Plan (EWP) MMO for appropriate PPE requirements.	1	All			T
DBCS/OSS OPM: MACHINE LOGBOOK	2.	At the beginning of the operation, examine machine log. WARNING Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts. NOTE While performing listed operational maintenance tasks, be alert for unusual sounds, odors, or other indications of potential failure conditions in the machine.	1	9			Т

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U.S. Postal Service								IDE	NTIF	ICATI	ION					
Maintenance Checklist		RK DE			_		MENT NYM					ASS DE	N	UMBI	ER	TYPE
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Equipment Nomenclature	Equipment Model							Bulletin Filename					Occurrence			
Delivery Bar Code Sorter			DE	BCS/	OSS	3			m	m12	078ad			To	ourly	

		DB00/000 IIIIIII				Tourty	
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	6
·			Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
					1	1	
		Examine log and document any unresolved problems from the previous tour.					
		NOTE					
		Operational checks must be made with machine processing mail in a normal operating mode.					
DBCS/OSS OPM: MACHINE SAFETY	3.	Every two hours observe warning horn and beacons.	1	9			Т
		Watch for proper operation of warning horn and beacons on machine start-ups.					
DBCS/OSS OPM:	4.	Every two hours check lamps.	1	9			Т
MACHINE INDICATOR LAMPS		Watch for proper functionality of indicator lamps used during normal machine operations. Correct deficiencies as soon as practical.					
DBCS/OSS OPM: OPERATORS	5.	Every two hours observe feeder and check with Operator.	1	9			Т
		Observe the Feeder operation and inquire if operators are having excessive processing problems. Investigate as necessary. Initiate corrective action as appropriate.					
DBCS/OSS OPM: VIDEO DISPLAY	6.	Every two hours check mail processing screen.	1	9			Т
TERMINAL WFOV		 Check current Accept Rate Value on the GUI to ensure the sort plan, operating mode, and Accept Rate is correct for the mail being processed in accordance with the following: 					
		a. Operation 918 and 919 - 99.1% GAR					
		b. All other Operations 98.8% GAR					
		2. If MAR or GAR is below acceptable values:					
		 a. Check for degraded image and/or dust/debris accumulations on WFOV faceplate by observing the thumbnail image on the upper left on the GUI. 					
		 b. If the image is degraded or if problems are noted take appropriate corrective action. 					

Maintenance Technical Support Center

U.S. Postal Service	IDENTIFICATION															
Maintenance Checklist		RK DE	EQUIPMENT ACRONYM								CLASS CODE		NUMBER		TYPE	
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Equipment Nomenclature	Equipment Model					Ві	Bulletin Filename				Occurrence					
Delivery Bar Code Sorter	DBCS/OSS								mm12078ad				Tourly			

Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill	Thresholds				
		(00.12)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.		
DBCS/OSS OPM: INK JET PRINTER		Every two hours check for dirt/ink accumulations. Check POSTNET ink jet printer to ensure there is no build-up of foreign material or accumulation of ink at print head. If it appears cleaning is necessary, generate a work order, and ensure all EWP/PPE policies are adhered to before starting that task.	1	9			Т		
DBCS/OSS OPM: OVERFLOW STACKER		Every two hours check mail in the Overflow/Reject Stacker. Check type of mail present in overflow stacker to determine which area(s) of the machine might be malfunctioning. Check for indications of double feeds, one particular code, a single gate, or mail path blockage problem. Document any problems found and if needed write a work order.	2	9			T		
DBCS/OSS OPM: REJECT STACKER(S)		Every two hours check reject stacker for: Check for print quality of POSTNET and ID Tag bar codes as well as quality of address in the address block. Are bar codes smudged or out of tolerance? Generate a work order to correct any abnormalities found and ensure all EWP/PPE policies are adhered to before starting that task.	1	9			Т		
DBCS/OSS OPM: SORTING STACKERS		Every two hours check for missorts. Take a sample from at least 5 stackers and verify the address block matches the scheme for that pocket. Verify mailpieces enter stacker in a uniform manner. Document any problems found and if needed write a work order.	2	9			Т		

U.S. Postal Service	IDENTIFICATION															
Maintenance Checklist	WC CO	RK DE	EQUIPMENT ACRONYM						_			CLASS CODE		NUMBER		TYPE
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Equipment Nomenclature Delivery Bar Code Sorter	Equipment Model DBCS/OSS					В	Bulletin Filename mm12078ad				Occurrence Tourly					

Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill	Thresholds				
Component	140	(Comply with all content carety procaditoris)	Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.		
DBCS/OSS OPM: READER, ICS-3	11.	Every two hours examine the Message Relay Log by pressing "alt-tab" on the host VDT GUI for excessive ID TAG ERROR messages and if needed do the following:	1	9			Т		
		 Check ICS-3 ID tag reader exterior for accumulated dust, dirt and debris or loose/worn belts, paying particular attention to the aperture and to the raised portion of the faceplate. 							
		Document any problems found and if needed write a work order.							
DBCS/OSS OPM: ACE/MKAT LAPTOP COMPUTER	12.	Every 2 hours check all performance indicators displayed on the MPEWatch Realtime Maintenance View Screen including the following items:	5	9			Т		
		Key Performance Indicators (KPI) report.							
		NOTE							
		Access to KPI can be done by clicking on the hyperlink located in the column titled "KPI%".							
		2. Unplanned Events.							
		3. DPS Information.							
		 Take appropriate action to investigate and correct any abnormalities detected in viewing MPEWatch. Generate a work order for further maintenance actions if required. 							
DBCS/OSS OPM: ADMINISTRATIVE		At the end of the operation tour, compile the following information:	2	9			Т		
		Route sheet information.							
		Any work orders generated.							
		Make entries in Machine Logbook of any discrepancies found during the mail run.							
		Turn this information into Maintenance Supervision. Brief personnel coming on duty.							
							<u> </u>		