MAINTENANCE TECHNICAL SUPPORT CENTER HEADQUARTERS MAINTENANCE OPERATIONS UNITED STATES POSTAL SERVICE



Maintenance Management Order

SUBJECT: Operational and Preventive Maintenance

Guidelines for the Automated Package Processing System (APPS) Using eCBM

FILE CODE: R3

NO:

TO: All APPS Sites

mtho:mm15109af

DATE: December 30, 2016

MMO-131-16

		Online Change Record
Change #	Date	Description of Change
5	02/09/2022	Attachment 2, Task # 184 and # 185 changed reference from
		MMO-071-11 to MMO-083-20.
4	02/18/2021	Added remove or replace covers, panels, doors, and guarding
		where necessary.
3	05/04/2020	unknown
2	04/01/2020	Removed all references to MMO-025-15 and replaced with
		references to MS-202.
1	01/18/2017	MSL on task 138 changed to 10

This Maintenance Management Order (MMO) provides updated Operational and Preventive Maintenance Guidelines for the Automated Package Processing System (APPS) and supersedes MMO-018-13, dated February 4, 2013.

The workhours indicated in the workload estimate (Attachment 1) are based on a twenty hour run day and reflect the maximum annual workhours required to maintain the system. Actual workhour requirements and the frequency of tasks are dependent on run time and 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.

Web Access: https://www1.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

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 and barricade requirements.

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.

Kevin Couch Manager

Maintenance Technical Support Center

HQ Maintenance Operations

- 1. Summary of Workload Estimate for APPS System
- 2. APPS Master Checklist: 03-APPS-AA-001-M: Preventive Maintenance
- 3. APPS Master Checklist: 09-APPS-AA-001-M: Operational Maintenance (Tourly)
- 4. APPS Master Checklist: 09-APPS-AA-002-M: Operational Maintenance (Daily)

ATTACHMENT 1

SUMMARY

WORKLOAD ESTIMATE

FOR

APPS SYSTEM

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SUMMARY WORKLOAD ESTIMATE FOR APPS

System Configurations	Operation	Routine Servicing Per Machine	Repair Time Per Machine	Total Servicing Time Per Machine	Non-Productive Time Per Machine	Operational Maintenance Time Per Machine	Total Time Per Machine
	Days	(Hrs/Yr)	(Hrs/Yr)	(Hrs/Yr)	(Hrs/Yr)	(Hrs/Yr)	(Hrs/Yr)
Single Sided APPS	6	1875	563	2438	244	1538	4220
onigie olded Al 1 o	7	2188	657	2845	285	1794	4924
Dual Sided APPS	6	2079	624	2703	271	1698	4672
Running One Side	7	2425	728	3153	316	1981	5450
Dual Sided APPS Running Two	6	3127	939	4066	407	2374	6847
Sides	7	3649	1095	4744	475	2769	7988

NOTES:

*Repair estimates based on 30% of servicing.

**Non-productive time per machine based on 10% of total servicing and repair.

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ATTACHMENT 2

APPS MASTER CHECKLIST

03-APPS-AA-001-M

Time Total: See Attachment 1

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		3.	Se	arch for mailpieces.					
		4.		port visible conveyor belt damage.					
		5.		place all covers and panels.					
		6.		eck that all equipment guards are in place.					
		7.		turn all mail found during mail search to the per mail path.					
FSD AND INDUCT	7**	Pe	rfor	m mail search of the APPS on side two.	42	07			D
SUBSYSTEM: SYSTEM SIDE 2		1.	list	ing the recommended walk sequence as ed below; perform the mail search of the owing areas.					
			a.	Feed Subsystem: Load Module					
			b.	Feed Subsystem: Incline Module					
			C.	Singulation Subsystem: Un-Stacker Module					
			d.	Singulation Subsystem: Traffic Control Module					
			e.	Singulation Subsystem: Delta/Aligner Module					
			f.	Singulation Subsystem: Metering Module					
			g.	Distribution Subsystem: Data Collection Area					
			h.	Distribution Subsystem: Automated Address Recognition Subsystem					
			i.	Distribution Subsystem: 90 Degree Incline Curve					
			j.	Distribution Subsystem: 90 Degree High Speed Curve					
			k.	Distribution Subsystem: Sync Module/Load Belt Conveyors					
			I.	Distribution Subsystem: Shoe Sorter Assembly (empty debris from all upper and lower debris pans).					
			m.	Distribution Subsystem: Recirculation					

SORTER SUBSYSTEM:

SORTER

ASSEMBLY

AARS, DCS AND

FASTSCAN:

LASERS,

CAMERAS,

MIRRORS.

FASTSCAN SIDE 1

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o. Induction Subsystem: Semi-Auto

Report visible conveyor belt damage.

Replace all covers and panels.

2. For each area list above, remove covers and

Check that all equipment guards are in place. Return all mail found during mail search to the

Perform mail search on the Sorter Subsystem

Remove covers and panels as necessary.

Check that all equipment guards are in place. 6. Return all mail found during mail search to the

Clean AARS and Laser optics and Fastscan

WARNING: PPE must be properly used as

Discard alcohol soaked materials according to local procedures to prevent spontaneous

WARNING: Allow sufficient time for lamps to cool before handling Illumination Modules. CAUTION: To prevent premature lamp failure,

required by the current SDS when using

alcohol. Alcohol is a flammable liquid.

Report carrier train physical damage.

4. Replace all covers and panels.

Induction Station

panels as necessary. Search for mailpieces.

proper mail path.

Search for mailpieces.

proper mail path.

side one.

combustion.

*Multiplied By: Carrier Cells

Sorter Assembly.

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		allow a cool be apply p minutes NOTE: off the A - 3 inch would b touch the oils - su hair bruse. This by brus surface. using is SDS SI cleaning TX404 ff 1. Clean with bruse clott 3. Clean Mood microsciples of the clott A Clean Mood microsciples of the clean Mood microsciples of	minimum fore cless before the recomples wide eadeque bristich as the shing it opropyl heet 5. If mination a microsh (AAR an TLDI on AAR an AAR an TLDI on AAR an Fasts	am of 30 caning of lamps of lamps of power commen imera me with a can agains rror has wipes 1 CDR opropyl n optics S camer Module of S Tunner S camer ss, and of clove or a Tunner of scan arra	min r har immedia red iirrors ileas care il of you be considered in the soul alcoholint from glassove or a mirrora media clea	tes and an electric land an electric lan	for la g. Do ely, al lied. ment camel nch lo be ta that cand. ed off cuum ner o aminar # MG f requ pes, u oth. er mirro d came ean ca vith a came ean ca	not re- low 30 for dusting hair brush hair brush hair brush for dusting hair brush hair brush for dusting hair hair brush hair brush er gloves	ng sh es to art el ch or an er en					
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DAILY CLEANING SIDE 1		1. Ren	nove co	vers and	l pan	els as	s nece	ssary.						
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		sensor photoeyes using a clean damp cloth.					
	5	 Clean the position sensor array between the synchronizing and 45 degree conveyors on all three Auto Induct lanes using a brush. 					
	6	. Replace all covers and panels.					
FSD AND INDUCT 1 SUBSYSTEM:		Clean belts, rollers, and photoeyes on side wo.	30	07	8		
DAILY CLEANING SIDE 2	1	. Remove covers and panels as necessary.					
5.52.2	2	 Remove strings, wrapping materials, and all foreign objects from all belts, rollers, bearing blocks, and photoeyes. 					
	3	s. Clean all photoeyes with Micro fiber gloves.					
	4	 Clean traffic control conveyor KORE vision sensor photoeyes using a clean damp cloth. 					
	5	 Clean the position sensor array between the synchronizing and 45 degree conveyors on all three Auto Induct lanes using a brush. 					
	6	. Replace all covers and panels.					
	13 C	Clean Sorter Photoeyes on side one.	15	07	48		
SUBSYSTEM: DAILY CLEANING SIDE 1	c C	Remove covers and panels as necessary, and lean all photoeyes with Micro fiber gloves. Check that the photoeyes are not damaged and hat the mounting hardware is secure.					
	E c k R w p w	AOTE: Cleaning Primary and Secondary Sorter Encoder photoeyes while the Sort Controller (SC) computer is powered on may result in the APPS posing track of position and subsequent encoder RTFs on startup. The SC should be powered off when this task is performed. If the encoder chotoeyes require cleaning during the processing window, reboot the SC prior to attempting to start the machine.					
	1	. Clean Primary and Secondary Sorter Encoder photoeyes.					
	2	. Clean Before-Rework photoeye.					

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SORTER SUBSYSTEM: **DAILY CLEANING** SIDE 2

14

Clean Sorter Photoeyes on side two. Remove covers and panels as necessary and

clean all photoeyes with Micro fiber gloves. Check that the photoeyes are not damaged and that the mounting hardware is secure.

Clean Sort Accuracy Improvement System

Clean Before-Rework photoeye.

(SAIS) encoder photoeyes.

Replace all covers and panels.

Clean SAIS Imager.

- 2. Clean Bin 503 chute photoeye.
- Clean After-Rework photoeye.
- Clean Recentering photoeyes.
- Clean Sort Accuracy Improvement System (SAIS) encoder photoeyes.
- Clean SAIS Imager.
- Replace all covers and panels.

APPS SYSTEM: **PERIODIC CLEANING SIDE 1**

System vacuum cleaning schedule, side one. Using a HEPA vacuum, clean equipment frame and mail transport hardware on the following schedule:

NOTE: Computer cabinets, imaging optics, and imaging electronics are not included in this task.

- Remove guarding as necessary to gain access to the following:
- Saturday: Unloaders and Recirculation Conveyors Rx-1-1 thru Rx-2-3
- 3. Sunday: Load Conveyor(s), Incline Conveyor(s), Dosing Conveyor(s), Unstacker Conveyors (Fx-1-1 thru Sx-1-7)

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			esday thru				ction	Sub	syste	m((s) (L	Cx-							
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			ırsda ni-Au						o Indu	ıct	ions	(s),							
			lay: S				,												
		9. Re _l	olace	any	rem	ove	d gu	ardir	g										
APPS SYSTEM:	16	Systen	vac	uum	cle	anir	ng s	ched	ule, s	sid	le tw	о.	30	07					D
PERIODIC CLEANING SIDE 2		Using a and ma schedu	il traı									е							
		NOTE: imaging																	
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		Alig		Conv	eyoı				yor(s) Conve										

		 Monday: Traffic Control conveyor(s), Delta Aligner Conveyors, Metering Conveyors (Sx 2-1 thru Sx-5-4) 	(-			
		 Tuesday: Data Collection Subsystem(s) (DO 1-1 thru DCx-2-2) 	Cx-			
		 Wednesday: 90-Degree Incline Conveyor(s) 90-Degree High Speed Conveyor(s), Sync Conveyors and Load Belt Conveyor (Tx-1-1 thru Dx-2-1) 				
		Thursday: Auto and Semi-Auto Inductions(s Semi-Auto Roller Conveyors),			
		3. Friday: Shoe Sorter				
		9. Replace any removed guarding				
APPS SYSTEM:	16	System vacuum cleaning schedule, side two	. 30	07		D
PERIODIC CLEANING SIDE 2		Using a HEPA vacuum, clean equipment frame and mail transport hardware on the following schedule:				
		NOTE: Computer cabinets, imaging optics, and maging electronics are not included in this task.				
		Remove guarding as necessary to gain access to the following				
		Saturday: Unloaders and Recirculation Conveyors Rx-1-1 thru Rx-2-3				
		 Sunday: Load Conveyor(s), Incline Conveyor(s), Dosing Conveyor(s), Unstacke Conveyors (Fx-1-1 thru Sx-1-7) 	er			
		 Monday: Traffic Control conveyor(s), Delta Aligner Conveyors, Metering Conveyors (Sx 2-1 thru Sx-5-4) 	(-			
		 Tuesday: Data Collection Subsystem(s) (DC 1-1 thru DCx-2-2) 	Cx-			
		 Wednesday: 90-Degree Incline Conveyor(s) 90-Degree High Speed Conveyor(s), Sync Conveyors and Load Belt Conveyor (Tx-1-1 thru Dx-2-1) 				
		7. Thursday: Auto and Semi-Auto Inductions(s),			

U.S. Postal Service								ID	ENTIF	FICAT	TION					
Maintenance Checklist	CO	RK DE					PMENT DNYM	•			_	ASS DE	NU	JMBE	R	TYPE
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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.
						1	1
		Semi-Auto Roller Conveyors					
		8. Friday: Shoe Sorter					
		Replace any removed guarding					
SORTER	17	Sorter vacuum cleaning.	0.6*	07			1
SUBSYSTEM: PERIODIC CLEANING		Using a HEPA vacuum, clean sorter monorail sides, top of power rails, frame members and cabling. Remove and reinstall guarding as necessary to gain access to sorter components.					
		*Multiplied By: Carrier Cells					
CANVAS TENTS & WIREWAY:	18	Vacuum Tent Enclosures and SMCC Wireway on side one.	70	07			26
PERIODIC CLEANING SIDE 1		WARNING: Vacuuming of the tent tops will require access using a powered lift or ladder as access permits. Follow local safety policies and procedures for lift or ladder use.					
		NOTE: When vacuuming top of Semi-Auto and AARS tents also vacuum the exposed portion of the Illumination Module.					
		 Using a HEPA vacuum, clean the elevated wireway from the SMCC to the Sorter. Remove any debris and report any visible signs of damage to appropriate personnel for scheduling of corrective action. 					
		Using a HEPA vacuum, clean the top and sides (as necessary) of the following canvas tent enclosures:					
		a. AARS Tunnel					
		b. Semi-Auto Tunnel					
		c. SAI Imager Tent					
CANVAS TENTS:	19	Vacuum Tent Enclosures on side two.	60	07			26
PERIODIC CLEANING SIDE 2		WARNING: Vacuuming of the tent tops will require access using a powered lift or ladder as access permits. Follow local safety policies and procedures for lift or ladder use.					
		NOTE: When vacuuming top of Semi-Auto and AARS tents also vacuum the exposed portion of					

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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.
	20**	the Illumination Module. Using a HEPA vacuum, clean the top and sides (as necessary) of the following canvas tent enclosures: 1. AARS Tunnel 2. Semi-Auto Tunnel 3. SAI Imager Tent		0.7			
FEED SUBSYSTEM: SAFETY BARRIERS SIDE 1	20**	 Check safety barriers on side one. Unloaders thru Shoe Sorter and Recirculation Conveyor. Verify unloader guarding is securely anchored to floor. Check for missing, loose, or damaged safety barriers (Lexan panels, wire mesh screens, gates, etc.). Correct issue or generate corrective work order and notify Supervisor as necessary. 	2	07			1
FEED SUBSYSTEM: SAFETY BARRIERS SIDE 2	21**	 Check safety barriers on side two. Unloaders thru Shoe Sorter and Recirculation Conveyor. Verify unloader guarding is securely anchored to floor. Check for missing, loose, or damaged safety barriers (Lexan panels, wire mesh screens, gates, etc.). Correct issue or generate corrective work order and notify Supervisor as necessary. 	2	07			1
FEED SUBSYSTEM: APCU AND PUN SIDE 1	22	 Check APCU and PUN condition (3) on side one. Check for damaged or missing container stops. Check hydraulic cylinders for broken or leaking fittings and hoses, or leaking seals. Check condition of hoses and fittings. Check 	9	09	140	600	

U.S. Postal Service

Maintenance Checklist

WORK CODE Maintenance Technical Support Center

NUMBER

TYPE

CLASS CODE

IDENTIFICATION

EQUIPMENT

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	22	4. Che floor fatig clevi secu 5. Che while if rec cont over parti 7. Gen Sup	ic, falling s which ur. ck Unload anchordure at pixities pin refure. ck hydrage unit is quired. ck fluid the amination iculates erate contents are contents ar	Dbserve for g parcels, could cause ader frames. Check vot points etaining has aulic fluid in the low Use CITC for evider on (cloudy, unusual (examine parcective vas necess	, or all use a me for control of the	a future r dama cracks I near v are is i I using d positi VW Hy of wate iscolora r, and/o nple or order a	on by eleal age of and age of and age of and age of and age of age of a age	moving the moving the metal s. Verage and the metal section of the metal	se al erify and sss fluid il 32.		00	140	600	
FEED SUBSYSTEM: APCU AND PUN	23	two.		nd PUN o		·			le	9	09	140	600	
SIDE 2		1. Che stop		amaged o	or mi:	ssing (conta	ainer						
				aulic cylin igs and ho					s.					
		by fo mov	oot traffi	es and fitti ic, falling p is which c	parce	els, or a	abra	asion I	by					
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		while	e unit is	aulic fluid in the lov Use CITC	verec	d positi	ion.	Add	fluid					
		cont	aminatio	for evider on (cloud , unusual	y), di	iscolora	ation							

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Maintenance Checklist	CO	RK DE					MENT NYM	-			_	ASS DE	NU	JMBE	R	TYPE
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Syster	11						
Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req	Skill	Run Hours	Pieces Fed	Freq.
			(min)	Lev		(000)	
		particulates (examine sample on blotter). 7. Generate corrective work order and notify					
		Supervisor as necessary.					
FEED	24	Check PUN Rail and Roller Condition side one.	1*	09	140	600	
SUBSYSTEM: PUN RAILS AND ROLLERS SIDE 1		Check for damaged, seized, or missing rollers.					
		Check rails for damage (verify they are not rough due to failed rollers, gouged, bent, or cracked).					
		Note any deficiencies and report them to supervisor.					
		*Multiplied By: PUN Side 1.					
FEED	25	Check PUN rail and roller condition side two.	1*	09	140	600	
SUBSYSTEM: PUN RAILS AND ROLLERS SIDE 2		Check for damaged, seized, or missing rollers.					
		Check rails for damage (verify they are not rough due to failed rollers, gouged, bent, or cracked).					
		Note any deficiencies and report them to supervisor.					
		*Multiplied By: PUN Side 2.					
FEED	26	Check breather/fill caps side one (3).	3	07	3600	16200	
SUBSYSTEM: APCU AND PUN HYDRAULIC UNITS SIDE 1		Check reservoir cap for clogged breather/fill cap holes. If the vent holes are plugged, clean or replace the cap as necessary.					
0.22 .		Correct issue or generate corrective work order and notify Supervisor as necessary.					
FEED	27	Check breather/fill caps side two (3).	3	07	3600	16200	
SUBSYSTEM: APCU AND PUN HYDRAULIC UNITS SIDE 2		Check reservoir cap for clogged breather/fill cap holes. If the vent holes are plugged, clean or replace the cap as necessary.					
		Correct issue or generate corrective work order and notify Supervisor as necessary.					
FEED	28	Change Unloader hydraulic fluid (3) on side	60	07	21600	97200	

U.S. Postal Service								IDE	ENTIF	TICAT	ION					
Maintenance Checklist	CO	RK DE					PMENT DNYM				CL/ CO	ASS DE	NL	JMBE	R	TYPE
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Automated Package Processing System		Equipment I							r	nm1	5109			еC	BM	

System							
Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
SUBSYSTEM: APCU AND PUN HYDRAULIC UNITS SIDE 1		one. Remove old hydraulic fluid and replace with new hydraulic fluid. Use 15 gallons of CITGO A/W Hydraulic Oil 32. Replace oil filter.					
FEED SUBSYSTEM: APCU AND PUN HYDRAULIC UNITS SIDE 2	29	Change Unloader hydraulic fluid (3) on side two. Remove old hydraulic fluid and replace with new hydraulic fluid. Use 15 gallons of CITGO A/W Hydraulic Oil 32. Replace oil filter.	60	07	21600	97200	
FEED SUBSYSTEM: LOAD CONVEYOR SIDE 1	30	 Check F-1-1 belting condition side one. Remove side guarding on one side of the conveyor. Check conveyor belt for damage such as cracks or holes in the belt slats. Check belt tension by observing belt sag under conveyor. Recommended sag limit is approximately 30 mm above bottom of aluminum side frame. If belt is hanging below aluminum side frame of conveyor, belt must be adjusted so as not to hang below the side frame. If the belt cannot be adjusted, slats must be removed to achieve proper tension. Measure the overall length of forty belt slats in inches. If the length exceeds 83 inches the entire belt and all sprockets should be scheduled for replacement. Mixing new belt sections with worn sections will cause uneven wear and shorten belt and sprocket life. Check conveyor bed for breakage. Replace guarding. Correct issue or generate work order and notify Supervisor as necessary. NOTE: When performing corrective maintenance as a result of this check to remove slats to shorten belt, the drive sprockets must be checked for wear. Excessive pin and slat pin hole wear may 		07	1440	6500	

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		indicate	belt	sect	ion (or er	ntire	belt	replac	ement	t						
		may be	nece	essar	ſy.				•								
		Addition	al inf	form	atio	n on	belt	eval	uatior	, orde	ring						
		and spro	ocket	t con	nfigu	ratio	n ca	ın be	found	in the							
		APPS L				ectio	on M	lainte	enanc	е							
		Manage	men	t Ord	der.												
FEED	31	Check F	-1-1	bel	ting	con	diti	on si	ide tw	о.		4	07	1440) 6	500	
SUBSYSTEM: LOAD CONVEYOR SIDE 2			nove veyo		gua	ardin	ıg or	n one	side	of the							
SIDE 2								dama t slat	ge su s.	ch as							
		unde appi alun alun be a fram	er co roxin ninur ninur idjus ne. It	natel m sic m sic sted s f the	yor. ly 30 de fra de fra so as belt	Recommendates and the commend of the	comr abo If I of c t to h	mend ove be belt is conve nang be ad	oottom s hang yor, b below djuste	g limit	elow ist ide s						
		inch entir sche sect	es. e be edule ions	If the elt an ed fo with	e len nd al or rep n woi	ngth I spr olace rn se	exce ocke emer ection	eeds ets sh nt. M ns w	83 inc nould lixing	new b se une	elt						
		5. Che	ck c	onve	yor	bed	for b	oreak	age.								
		6. Rep	lace	gua	rdin	g.											
								wor ssar	k orde y.	er and							
		NOTE: \	Nhei	n per	rforr	ning	corr	ectiv	e mai	ntenar	nce						

as a result of this check to remove slats to shorten belt, the drive sprockets must be checked for wear. Excessive pin and slat pin hole wear may indicate belt section or entire belt replacement

Additional information on belt evaluation, ordering and sprocket configuration can be found in the APPS Load Belt Inspection Maintenance

may be necessary.

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Maintenance (Check	list	WORK CODE			QUIPM CRON				_	ASS DDE	NL	JMB	ER	TYPE
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									(m	in)	Lev	riours		000)	
		Manage	ment Or	der.											
FEED	32	Check I	F-1-1 gea	arbox co	onditi	ion o	n sic	de one.		4	07	480	2	2160	
SUBSYSTEM: LOAD CONVEYOR			nove side rbox.	e guardir	ng sut	fficien	t to	access							
SIDE 1			ck gearb	ox for le	aks.										
			eck motor seness or				ecto	rs for							
			ck cablin			-	con	vevor fo	or						
		visik	ole signs asions, o	of dama	ige st	ich as			,						
		5. Rep	lace gua	rding.											
			nerate co ervisor a			order	and	notify							
FEED	33	Check I	F-1-1 gea	arbox co	onditi	ion o	n sic	de two.		4	07	480	2	2160	
SUBSYSTEM: LOAD CONVEYOR SIDE 2		1. Ren	nove side rbox.												
OIDE 2		2. Che	ck gearb	ox for le	aks.										
			eck motor seness or				ecto	rs for							
		visik	eck cablin ble signs asions, o	of dama	ige si	ich as		•	or						
		5. Rep	lace gua	ırding.											
			nerate co ervisor a			order	and	notify							
FEED	34	Check I	F-1-2 gea	arbox co	onditi	ion o	n sic	de one.	- .	4	09	480	2	2160	
SUBSYSTEM: INCLINE CONVEYOR SIDE 1		1. Ren	nove side rbox.												
CONVETOR SIDE I		2. Che	ck gearb	ox for le	aks.										
			eck motor seness or				ecto	rs for							
			ck for bracke												

18 Attachment 2

brake wear.

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Maintenance Checklist	CO				_		MENT NYM	•			CLA CO	ASS DE	NU	JMBE	R	TYPE
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Syster							
Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
FEED SUBSYSTEM: INCLINE CONVEYOR SIDE 2	35	 Check cabling running beneath conveyor for visible signs of damage such as cuts, abrasions, or discoloration. Check conveyor bed for breakage. Check conveyor belt where it passes over drive pulley, looking for debris wrapped around drive pulley underneath belt. Replace guarding. Generate corrective work order and notify Supervisor as necessary. Check F-1-2 gearbox condition on side two. Remove side guarding sufficient to access gearbox. Check gearbox for leaks. Check motor power cable for looseness or visible damage. Check for brake dust around F-1-2 drive motor brake that may indicate excessive brake wear. Check cabling running beneath conveyor for visible signs of damage such as cuts, abrasions, or discoloration. Check conveyor bed for breakage. Check conveyor belt where it passes over drive pulley, looking for debris wrapped around drive pulley underneath belt. Replace guarding. Generate corrective work order and notify Supervisor as necessary. 	4	09	480	2160	
FEED SUBSYSTEM: LOAD AND INCLINE CONVEYORS SIDE	36	 Clean and lube drive chains (2) on side one. Remove guarding for Load Conveyor F-1-1 and Incline Conveyor F-1-2 drive chains. Clean and check chain, sprockets, and tensioner for misalignment or excessive wear such as missing or narrowed teeth. Replace 	20	09	600	2700	

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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.
		tensioner if it is damaged, such as missing teeth or does not have enough spring to take up slack in chain. 3. Lubricate Load Conveyor F-1-1 and Incline Conveyor F-1-2 triplex drive chains (Febis K68 or equivalent chain oil). 4. Replace guarding. 5. Generate corrective work order and notify Supervisor as necessary.					
FEED SUBSYSTEM: LOAD AND INCLINE CONVEYORS SIDE 2	37	 Clean and lube drive chains (2) on side two. Remove guarding for Load Conveyor F-1-1 and Incline Conveyor F-1-2 drive chains. Clean and check chain, sprockets, and tensioner for misalignment or excessive wear such as missing or narrowed teeth. Replace tensioner if it is damaged, such as missing teeth or does not have enough spring to take up slack in chain. Lubricate Load Conveyor F-1-1 and Incline Conveyor F-1-2 triplex drive chains (Febis K68 or equivalent chain oil). Replace guarding. Generate corrective work order and notify Supervisor as necessary. 	20	09	600	2700	
FEED SUBSYSTEM: DOSING AND UNSTACKER CONVEYOR MOTORS (S-1-1 THRU S-1-7 BELTS) SIDE 1	38	 Check motor and gearbox condition on side one. Remove side guarding sufficient to access gearbox. Check gearbox for leaks. Check motor power cable connectors for looseness or visible damage. Check cabling running beneath conveyor for visible signs of damage such as cuts, abrasions, or discoloration. 	15	07	480	2160	

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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.
		5. Replace guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
FEED SUBSYSTEM:	39	Check motor and gearbox condition on side two.	15	07	480	2160	
DOSING AND UNSTACKER CONVEYOR		Remove side guarding sufficient to access gearbox.					
MOTORS (S-1-1		2. Check gearbox for leaks.					
THRU S-1-7 BELTS) SIDE 2		 Check motor power cable for looseness or visible damage. 					
		 Check cabling running beneath conveyor for signs of damage such as cuts, abrasions, or discoloration. 					
		5. Replace guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
FEED	40	Check belt brush condition on side one.	2	07	20	90	
SUBSYSTEM: DOSING AND UNSTACKER CONVEYORS (7 BELTS) SIDE 1		NOTE: Decline belt brushes are adjusted with a gap for debris to fall through and should just touch the full width of the bottom of the belt under the downstream belt's pulley. Incline belt brushes should fill the gap between belts and should just touch the full width of both belts. See the MS-202 Vol B. Singulation Alignment & Adjustment section for illustrations.					
		Check belt brush condition for obvious damage and proper adjustment. Remove any trapped debris.					
		Correct issues or generate corrective work order and notify Supervisor as necessary.					
FEED CUREVETEM:	41	Check belt brush condition on side two.	2	07	20	90	
SUBSYSTEM: DOSING AND UNSTACKER CONVEYORS (7 BELTS) SIDE 2		NOTE: Decline belt brushes are adjusted with a gap for debris to fall through and should just touch the full width of the bottom of the belt under the downstream belt's pulley. Incline belt brushes should fill the gap between belts and should just					

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Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		touch the full width of both belts. See the MS-202 Vol B. Singulation Alignment & Adjustment section for illustrations.					
		Check belt brush condition for obvious damage and proper adjustment. Remove any trapped debris.					
		Correct issues or generate corrective work order and notify Supervisor as necessary.					
SINGULATION	42	Check TCM belting condition on side one.	7	09	140	600	
SUBSYSTEM: TRAFFIC CONTROL		Remove side guarding sufficient to access motors and drive belts.					
CONVEYORS (S-2- 1 THRU S-2-6) SIDE 1		Check strip belts (18) for damage, lacing separation, debris, fraying, or signs of impending breakage.					
		 Check lower drive belts (6) and pulleys for damage, debris, fraying, or signs of impending breakage. 					
		4. Check motor mounts for cracks.					
		5. Reinstall side guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
SINGULATION	43	Check TCM belting condition on side two.	7	09	140	600	
SUBSYSTEM: TRAFFIC CONTROL		Remove side guarding sufficient to access motors and drive belts.					
CONVEYORS (S-2- 1 THRU S-2-6) SIDE 2		Check strip belts (18) for damage, lacing separation, debris, fraying, or signs of impending breakage.					
		 Check lower drive belts (6) and pulleys for damage, debris, fraying, or signs of impending breakage. 					
		4. Check motor mounts for cracks.					
		5. Reinstall side guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
SINGULATION	44	Check belting and gearbox condition on side	5	09	140	600	

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Component	No		(Cor	nply wi						ns)			Time Req (min)	Skill Lev	Rı Ho	un	Pied Fe	ces ed	Freq.
SUBSYSTEM: DELTA WING ALIGNER CONVEYOR SIDE 1		2. (2) 18 iii 3. (2) 18 iii 4. (2) 18 iii 5. (2) 18 iii 6. F	Removo Delta V Check acing s mpend Check Jebris, oreaka Check convey eaks. Reinsta Genera	Ving of center separating by vertical frayinge. conditions frayinge. gearby or, and all guarate contact contact in the conta	r bel r bel reak al be ag, o tion dama ag, o oxes ad 3	eyor: t cording to the cordinate to the c	s. ndition bris, pndition ns o pnve lacions o ertica n roll	on fo frayi ion for ion for ion frimp yor b ng se frimp al and ier co	r dam ng, or or dan endin ed ro eparat endin	age siç nag g ller ion g er or b	e, gns le, dri	of vve							
SINGULATION SUBSYSTEM: DELTA WING ALIGNER CONVEYOR SIDE 2	45	2. C la iii 3. C c b b c b 5. C 6	Remov Delta V Check acing s mpend Check Jebris, oreaka Check Jebris, oreaka Check Soreaka	re side Ving of center separating by vertice frayinge. conditions frayinge. gearb	nd ge gua conver r belation reak all be ag, o	geard to are to compare to compar	bbox o accs. nditions of the control	cess on fo frayi ion fo f imp	unde r dam ng, or or dan endin eed ro eparat endin	age age nag nag ller ion	e, gns le, dri	of ve	5	09	1	140	6	00	

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		6. Reinstall guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
SINGULATION	46	Check motor condition on side one.	1	07	720	3200	
SUBSYSTEM: METERING CONVEYOR		Remove side guarding sufficient to access motors.					
MOTORS (S-5-1 THRU S-5-4) SIDE 1		 Check motor power cable connectors for looseness or visible damage such as chafing, discoloration, or signs of melting. 					
		 Check cabling running beneath conveyor for visible signs of damage such as cuts, abrasions, or discoloration. 					
		 Check motor for signs of damage such as discoloration or emitting debris. 					
		5. Replace guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
SINGULATION	47	Check motor condition on side two.	1	07	720	3200	
SUBSYSTEM: METERING CONVEYOR		Remove side guarding sufficient to access motors.					
MOTORS (S-5-1 THRU S-5-4) SIDE 2		 Check motor power cable connectors for looseness or visible damage such as chafing, discoloration, or signs of melting. 					
		 Check cabling running beneath conveyor for visible signs of damage such as cuts, abrasions, or discoloration. 					
		 Check motor for signs of damage such as discoloration or emitting debris. 					
		5. Replace guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
SINGULATION SUBSYSTEM:	48	Check drive belt and sprocket condition on side one.	12	09	7200	35000	
POLY CHAIN DRIVE BELTS SIDE		Check condition of poly chain belts and sprockets on the following conveyors for pulleys with sharp					

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	S
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
SINGULATION SUBSYSTEM:	49	 edges, or belts with tears, missing teeth, or improper tension: 1. Remove guarding as necessary 2. Dosing and Unstacker Conveyers S-1-1 thru S-1-7 (7), 6 to 7 lbs. at 0.25". 3. Delta Wing Aligner Vertical Belt S-4-2 (1), 5 to 6 lbs. at 0.25". 4. Metering Conveyors S-5-1 thru S-5-4 (4), 4 to 5 lbs. at 0.25". 5. Replace any removed guarding 6. Generate corrective work order and notify Supervisor as necessary. Check drive belt and sprocket condition on side two. 	12	09	7200	35000	
POLY CHAIN DRIVE BELTS SIDE 2		Check condition of poly chain belts and sprockets on the following conveyors for pulleys with sharp edges, or belts with tears, missing teeth, or improper tension: 1. Remove guarding as necessary 2. Dosing and Unstacker Conveyers S-1-1 thru S-1-7 (7), 6 to 7 lbs. at 0.25". 3. Delta Wing Aligner Vertical Belt S-4-2 (1), 5 to 6 lbs. at 0.25". 4. Metering Conveyors S-5-1 thru S-5-4 (4), 4 to 5 lbs. at 0.25". 5. Replace any removed guarding 6. Generate corrective work order and notify Supervisor as necessary.					
DISTRIBUTION SUBSYSTEM: R-1-1 CONVEYOR	50	 Check R-1-1 motor and gearbox on side one. Remove side guarding sufficient to access gearbox. Check gearbox for leaks. Inspect motor power cable for looseness or damage. 	6	09	300	1350	

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		 Inspect cabling running beneath conveyor for signs of damage. Inspect belt and bearings for signs of accelerated wear (emitting debris) or damage. Replace guarding. Generate corrective work order and notify Supervisor as necessary. 					
DISTRIBUTION	51	Check R-1-1 motor and gearbox on side two.	6	09	300	1350	
SUBSYSTEM: R-1-1 CONVEYOR		Remove side guarding sufficient to access gearbox.					
		2. Check gearbox for leaks.					
		 Inspect motor power cable for looseness or damage. 					
		 Inspect cabling running beneath conveyor for signs of damage. 					
		Inspect belt and bearings for signs of accelerated wear (emitting debris) or damage.					
		6. Replace guarding.					
		 Generate corrective work order and notify Supervisor as necessary. 					
DISTRIBUTION	52	Check R-2-3 motor and gearbox on side one.	6	09	600	2700	
SUBSYSTEM: R-2-3 CONVEYOR SIDE 1		Remove side guarding sufficient to access gearbox. Check gearbox for leaks.					
		Inspect motor power cable for looseness or damage.					
		 Inspect cabling running beneath conveyor for signs of damage. 					
		 Inspect belt and bearings for signs of accelerated wear (emitting debris) or damage. 					
		5. Replace guarding.					
		Generate corrective work order and notify Supervisor as necessary.					
DISTRIBUTION	53	Check R-2-3 motor and gearbox on side two.	6	09	600	2700	
SUBSYSTEM: R-2-3		Remove side guarding sufficient to access					

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
FEED SUBSYSTEM: CABLES, WIRING, CONNECTORS, AND TERMINATIONS SIDE 1	54	gearbox. Check gearbox for leaks. Inspect motor power cable for looseness or damage. Inspect cabling running beneath conveyor for signs of damage. Inspect belt and bearings for signs of accelerated wear (emitting debris) or damage. Replace guarding. Generate corrective work order and notify Supervisor as necessary. Check cables and wiring on side one. Check the physical condition of all externally accessible cables, wiring, connectors, and terminations in the Feed Subsystem for looseness or visible signs of damage such as cuts, abrasions, or discoloration. Generate corrective work order and notify Supervisor as necessary. FSD-UNL-DCC 1 thru 3 (3) FSD-DCC-1 FSD-DCC-2 thru 5 (4) DDSS FSD-DCC-6 FSD-DCC-6 FSD-DCC-6 FSD-DCC-6 JBOX (inboard side of C-2-1 conveyor) FSD-DCC-7 and FSD-DCC 8	27	07	7200	35000	
FEED SUBSYSTEM: CABLES, WIRING, CONNECTORS, AND TERMINATIONS	55	Check cables and wiring on side two. Check the physical condition of all externall accessible cables, wiring, connectors, an terminations in the Feed Subsystem for loosenes or visible signs of damage such as cuts abrasions, or discoloration. Generate corrective	d s s,	07	7200	35000	

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
SIDE 2		work order and notify Supervisor as necessary.		1	1	<u>'</u>	
SIDE 2							
		1. FSD-UNL-DCC 1 thru 3 (3) 2. FSD-DCC-1					
		3. FSD-MCC					
		4. FSD-DCC-2 thru 5 (4)					
		5. DDSS					
		6. FSD-DCC-6					
		 FSD-DCC-E-STOP-JBOX (at downstream end of AARS tunnel) 					
		8. FSD-DCC-6 JBOX (inboard side of C-2-1 conveyor)					
		9. FSD-DCC-7 and FSD-DCC-8					
FEED	56	Clean Lexan panels on side one.	45	07	6000	28800	
SUBSYSTEM: LEXAN PANELS		F-1-1 thru Shoe Sorter.					
SIDE 1		Remove all Lexan panels					
		 Clean both sides of all Lexan panels using paper towels and a mild multi-purpose cleaner. Wipe the area protected by the panels as necessary. 					
		3. Resecure all Lexan panels					
FEED	57	Clean Lexan panels on side two.	45	07	6000	28800	
SUBSYSTEM: LEXAN PANELS		F-1-1 thru Shoe Sorter.					
SIDE 2		Remove all Lexan panels					
		 Clean both sides of all Lexan panels using paper towels and a mild multi-purpose cleaner. Wipe the area protected by the panels as necessary. 					
		Resecure all Lexan panels					
AARS/DCS	58	Check belting and roller condition side one.	1	09	140	600	
TUNNEL: DCS BELTS SIDE 1		Check belt condition on the following conveyors for wear, damage, and stretching:					
		1. AARS DCX 1-1					

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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.
AARS/DCS TUNNEL: DCS BELTS SIDE 2	59	 AARS DCX 1-2 AARS DCX 2-1 AARS DCX 2-2 Generate corrective work order and notify Supervisor as necessary. Schedule belt for repairs if there are any holes greater than 1" in diameter or if seam separation occurs. Trim off any fraying belt edges and correct tracking problems as necessary. Check belting and roller condition side two. Check belt condition on the following conveyors for wear, damage, and stretching: AARS DCX 1-1 AARS DCX 1-2 AARS DCX 2-1 AARS DCX 2-2 Generate corrective work order and notify Supervisor as necessary. Schedule belt for repairs if there are any holes greater than 1" in diameter or if seam separation occurs. Trim off any fraying belt edges and correct tracking problems as necessary. 	1	09	140	600	
AARS/DCS TUNNEL: DCX 1-2 METTLER SCALE CONVEYOR SIDE 1	60	Check Scale Conveyor gearbox condition on side one. Check gearbox for leaks. Generate corrective work order and notify Supervisor as necessary.	1	07	600	2700	
AARS/DCS TUNNEL: DCX 1-2 METTLER SCALE CONVEYOR SIDE 2	61	Check Scale Conveyor gearbox condition on side two. Check gearbox for leaks. Generate corrective work order and notify	1	07	600	2700	

IMAGE AARS:

CABLES, WIRING,

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Maintenance Technical Support Center

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	1	Cunani	rvisor as necessary															1
		·	rvisor as necessary.															
AARS/DCS	62	Check of	k drive belt condition on side one.											09	7200	3	5000	
TUNNEL: POLY CHAIN BELTS SIDE 1		following	ck condition of poly chain belts on the wing conveyors for pulleys with sharp edges, elts with tears, missing teeth, or improper															
		1. Rem	nove (gua	rdin	g as	nec	essa	ry									
		2. AAR	S DC	X 1	I-1 -	6 to	7 lb	s. at	.312	5"								
		3. AAR	S DC	X 1	I-2 -	5 tc	7 lb	s. at	.25"	to	.5"							
			S DC															
			RS DC															
		7. Gen	lace any removed guarding erate corrective work order and notify ervisor as necessary.															
AARS/DCS	63	Check o	rive	belt	t co	ndit	ion	on s	de tv	VO).		4	09	7200	3	5000	
TUNNEL: POLY CHAIN DRIVE BELTS SIDE 2		Check c following or belts	g conv	ey(ors f	or p	ulley	s wi	h sha	arp	edo	ges,						

Check the physical integrity of all externally CONNECTORS, accessible cables, wiring, connectors, and AND terminations in the Image AARS Subsystem **TERMINATIONS** (Tunnel and Semi-auto). SIDE 1 1. Illumination Module cabling (5)

5

09

7200

35000

tension:

1. Remove guarding as necessary

6. Replace any removed guarding

Supervisor as necessary.

7. Generate corrective work order and notify

Check AARS cables and wiring on side one.

AARS DCX 1-1 - 6 to 7 lbs. at .3125" 3. AARS DCX 1-2 - 5 to 7 lbs. at .25" to .5" 4. AARS DCX 1-3 - 6 to 7 lbs. at .3125" 5. AARS DCX 2-2 - 10.5 to 12 lbs. at .75"

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		2. Camera cabling (5)					
		Generate corrective work order and notify Supervisor as necessary.					
IMAGE AARS:	65	Check AARS cables and wiring on side two.	5	09	7200	35000	
CABLES, WIRING, CONNECTORS, AND TERMINATIONS SIDE 2		Check the physical integrity of all externally accessible cables, wiring, connectors, and terminations in the Image AARS Subsystem (Tunnel and Semi-auto).					
		1. Illumination Module cabling (5)					
		2. Camera cabling (5)					
		 Generate corrective work order and notify Supervisor as necessary. 					
INDUCTION	66**	Check Induct safety barriers on side one.	2	07			1
SUBSYSTEM: SAFETY BARRIERS SIDE 1		Check for missing, loose, or damaged safety barriers (Lexan panels, wire mesh screens, gates, etc.).					
		Generate corrective work order and notify Supervisor as necessary.					
INDUCTION	67**	Check Induct safety barriers on side two.	2	07			1
SUBSYSTEM: SAFETY BARRIERS SIDE 2		Check for missing, loose, or damaged safety barriers (Lexan panels, wire mesh screens, gates, etc.).					
		Generate corrective work order and notify Supervisor as necessary.					
DISTRIBUTION	68	Check debris catch pans on side one.	26	07	140	600	
SUBSYSTEM: SHOE SORTER SIDE 1		Remove shoe sorter side covers on one side and check debris catch pans under shoe sorter conveyor for:					
		a. Excessive debris or oil.					
		 Missing or damaged sound absorption material or missing panels. 					
		2. Remove debris.					
		Replace all shoe sorter side covers					
		4. Generate corrective work order and notify					

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DISTRIBUTION	69	Check o	debr	is ca	atc	h par	ns oi	1 sic	le two).			26	07	140	6	00	
SUBSYSTEM: SHOE SORTER									ers on			ide						
SIDE 2		and sorte					ch p	ans	under	sho	эе							
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						missir	ng pa	anels	3.									
		2. Rem																
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FEED	70	Clean S	hoe	Sor	ter	Rail	s on	side	one.				180	09	1800	82	200	
SUBSYSTEM: SHOE SORTER SIDE 1		Cleaning life. Do could res	not :	use	sol	vent l	oase	d cle	aners	wh	nich							
		1. Ope Sort		side	e do	oors	on bo	oth s	ides o	f Sl	hoe							
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DISTRIBUTION	71	Clean S	hoe	Sor	ter	Rail	s on	side	two.				180	09	1800	82	200	
SUBSYSTEM: SHOE SORTER		Cleaning	g the	rail	s w	ill pro	olong	slat	weldr	mer	nt w	heel						

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Part or	Item		Task	Statemer	nt and I	nstruc	tion			Est.	Min		Threshold	S
Component	No	(Comply with	th all curr	ent saf	ety pre	ecautio	ns)		Time Req	Skill	Run Hours	Pieces Fed	Freq.
										(min)	Lev	Hours	(000)	
											LOV		(000)	
SIDE 2			not use s											
			n all side	•										
		Sort		00010	011 00	, ti i o i	J05 0	01100	•					
			a mild d											
		uppo debi	er and lo ris.	wer rail	s to re	emov	e oil,	dirt, a	nd					
		3. Veri	fy wedge	es betwe	een ra	ail se	ctions	are n	ot					
		loos												
			ck vertic											
			els for da aged rub					WITT						
		perp	endicula	r to the	rollin	g sur	face,							
			e loose h ch are da											
		(shir	ny metall	ic appe										
			ded repa 											
		•	lace all s											
			erate co ervisor a				r and	notify						
DISTRIBUTION	72**		Shoe So				n sid	le one	<u> </u>	20	09	600	2700	
SUBSYSTEM:			sted or w	_									2.00	
SHOE SORTER ALIGNMENTS SIDE			ly pins w											
1		following	g items fo	or alignr	ment,	wear	or da	amage) :					
		1. Rem	ove gua	rding as	s nece	essar	У							
		2. Dive	erters SO	L1, SO	L2, S	OL3,	and :	SOL4.						
			Pins sho divert po											
			diverter i				OL WIII		•					
			Inspect of wear or o			age,	and s	stops f	or					
		3. Insp	ect Dive	rt Rail b	ars fo	or dar	nage							
			ect Rece											
			4 small iver bloc						ito					
			eiver blo					_	ar					

U.S. Postal Service								IDEN	ITIFICA	TION					
Maintenance Checklist	COI						MENT DNYM			_	ASS DDE	NU	JMBE	R	TYPE
	0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing System	Equi	pmeı	nt Mo	del				Bull	etin File mm	name 15109		Öccurre		ВМ	
Part or Item			<u> </u>	mant						Ect	Min			shold	

Syster								
Part or	Item		Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No		(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
DISTRIBUTION SUBSYSTEM: SHOE SORTER ALIGNMENTS SIDE 2	73**	5. Vn nn 6. Vo vi 7. R 8. GS Chec Misacasser follow 1. R 2. D a b 3. In rare R "r"	notches" from pin contact exceeds 1/4". Ferify the Pin Guide, Tail Shaft Assy (white yolon ring inside of tail sprocket) is secure and ot damaged. Ferify that sprocket attachment bolts on the uter face of the sprockets are tight (torque alue is 120 in/lbs.). Feplace any removed guarding senerate corrective work order and notify supervisor as necessary. K Shoe Sorter alignments on side two. Aljusted or worn items which contact carriage mbly pins will cause pin damage. Inspect the ring items for alignment, wear, or damage: Femove guarding as necessary Fiverters SOL1, SOL2, SOL3, and SOL4. Pins should pass directly through these divert points with no contact when the diverter is not activated. Inspect gate arm, linkage, and stops for wear or damage. Finspect Receiver Blocks at the end of divert alls (4 small, 4 large). Channels milled into exceiver blocks should be smooth. Large seceiver Blocks should be replaced if wear notches" from pin contact exceeds 1/4". Ferify the Pin Guide, Tail Shaft Assy (white yolon ring inside of tail sprocket) is secure and ot damaged.	20	09	600		
		O Va	erify that sprocket attachment bolts on the uter face of the sprockets are tight (torque alue is 120 in/lbs.).					
		7. R	eplace any removed guarding					
			senerate corrective work order and notify upervisor as necessary.					

U.S. Postal S		і Зирро	יוני	Celli	ıcı					ΙD	ENTI	FIC	ΔΤΙ	ואכ		- 1	VIII	VIO- I	31-10
U.S. Postal S	oei vice		١٨.	IODIV				OI IIDA		טו	⊏IN I I	riC	AII		100	K II	10.4	DED	TVDF
Maintenance (Checkl	ist		ORK ODE				QUIPN ACRON							ASS DE	NU	JIVI	BER	TYPE
			0	_	Α	Р	Р	S						Α	Α	0		0 1	М
Equipment Nomenclature Automated Packag Syster	ge Proc	essing	Eq	uipme	nt Mo	del				E	Bulleti			me 109		Occurr		eCBM	
Part or	Item			Task	State	ment	and	Instruct	ion					Est.	Min		Т	hreshol	ds
Component	No	((Con	nply wi	th all o	curre	nt saf	ety pre	cautio	ns)			Γime Req min)	Skill Lev	Run Hours		Pieces Fed (000)	Freq.
DISTRIBUTION SUBSYSTEM: SHOE SORTER WELDMENTS SIDE 1	74**	WARNIN requirin covers/p PPE. Ro (EWP) N requirer	ARNING: Before performing any activities quiring equipment to be powered on and vers/panels open, you must don appropriate PE. Refer to the current Electrical Work Plan WP) MMO for appropriate EWP PPE quirements. The performing the following tasks, locate the eldments to be serviced at the bottom of the one sorter from the sprocket to just before Induct											202	09	1800	0	8200	
		weldmer shoe sor Lane	en performing the following tasks, located dments to be serviced at the bottom of the sorter from the sprocket to just before In the service will allow for both sides to be serviced.										he uct						
			e will allow for both sides to be se																
		hand wi	is will allow for both sides to be servinultaneously. e shoe sorter may be advanced manually nd while locked out or may be moved iging the Shoe Sorter using the VFD Paramol. Only advance the shoe sorter in the forw										by ter						
		WARNIN applied time wh the next instruct 4.2 titled the VFD compute require restore out the followin	to ile seion Pa er s any 480 ma	the n jogg ection is loc onve arame syste y E-S O VAC	nach ing t n of veated eyor l eter ems t top of to to	ine he s welce I the Mar Too to be	for a Shoot dmen MS nual I do e po ditio	a sho e Sort nts us 3-202 Opera es no owere on to I 3 s en	rt pe er to sing Vol. ation t req d up, be re clos	rice a th B n. jui	od o e Sec Usin ire out w	of ss tio ng vill	on						
		Tools red	•																
		12" Adju					on s	quare											
		Small Pr	-	•		•	_	<i>.</i> .											
		Grease (_				•					,)						
		All Purpo equivale		Grea	ase (Cas	trol ⁻	I ribol	BRB	5-5	72 c	or							
		1. Rer	nov	ve gu	ardin	ıg a	s ne	cessa	ry										

U.S. Postal Service

Maintenance Technical Support Center

IDENTIFICATION

Maintenance C	hecki	ist		WORK CODE				PMENT DNYM			ASS DE	NL	IMBER		TYPE	
				0 3	A P	Р	S			Α	Α	0		1	М	
Equipment Nomenclature Automated Package	e Proc	essir		Equipme	nt Model		_		Bulletin File			Occurre		Γ.4		
System		ااددد	·9						mm	15109			eCB	ıVİ		
Part or	Item			Task	Stateme	nt and	Instru	ction		Est.	Min		Thresh	olds	,	
Component	No		(C	Comply wi					ons)	Time		Run	Piece		Freq.	
										Req (min)	Skill Lev	Hours	Fed (000)			
		b	Doc	ition the	docire	d c c c	tion	of the	Chan							
		2.		er in the					SHUE							
		3.		e Shoe orm the					jogged,							
			a.	Don Pl	PE.					nd ster Tool ns ction						
			b.	Turn F	_	CC-8	disc	onnec	t switch to							
			C.	to the o	ct cable correct I in the	from VFD MS-2	VFC per ii 202, \	Paranstructus Pol B,	meter Too tions Section	I						
			d.	Close t	he FSI)1-D(CC-8	enclo	sure.							
			e.													
			f.	Doff Pf	PE.											
			g.	Jog the					sired neter Tool.							
		4.	FSD loca	1-DCC	-8 disco t proce	nnec	ct in a	accord	secure the ance with t motion of							
		5.		orm the rmine th					nt to							
			a.	Place to on top					on square							
			b.	the forl	k openi ıle dow	ng (tr nwar	ailing d, (be	g side) ehind t	opposite extend the wheel) ter rail.							
			C.	weldme pry bar point th axle. I excess	ent on to t, lift the ne lowe f the white ive force	traili traili r fork neel is ce is t	cale. ing w touc s lifte being	Then eldme thes the doff off applications	ne trailing, using the ent to the ene wheel of the rail, ed.							

U.S. Postal S	Service								IDEN	ITIFICA	ΓΙΟΝ					
Maintenance	Checkl	ist	WORK CODE				QUIP	MENT NYM				ASS DDE	NL	JMBE	R	TYPE
			0 3	Α	P	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	9		Equipme	ent M	lodel	1	!		Bull	etin File	name	•	Occurre	ence		
Automated Packag	-	essing								mm1	5109			еC	CBM	
Syste	m															
Part or	Item		Tasl	k Sta	temen	t and	Instru	ction			Est.	Min		Thre	shold	s
Component	No		(Comply w	∕ith a	ıll curre	nt sat	etv pr	ecautio	ns)		Time		Run	Pie	ces	Freq.
			()				- 7 1		-,		Req	Skill	Hours		ed	
											(min)	Lev		(00	00)	
	1	Ī									1					
			fork p	lay).	•											
		d.	Meas													
			inch ir sched						ould	be						
		0 01				•				• 41						
			osely ins													
			Idment for signs of fatigue or cracking. acked weldments should be scheduled for blacement. Newer weldments are being													
			acked weldments should be scheduled for													
							_		_							
			bricate the													
			cc) inside													
			nere they													
		8. Ch	neck wel	dme	ent wh	neels	for c	damad	ie si	ıch as						
		fla	t spots, (gou	ges o	r if th	ie wh	eel is								
			pregnate													
			pregnate placeme		neeis	Sno	ula L	e scn	eau	lea for						
					and a	ono	ara ti	aht o	noine	5 +						
			erify the s ats. If im													
			en used													
			ow end-													
			lts (3) sh th a lock			30 m	m loi	ng and	d ins	talled						
										- `						
			erify that ve Nyloc													
		1	/lock).	/IX 11V	uto III.	otanc	Ju (IV	10 010	iuc c	J.O						
		Unless	weldme	nt v	vear	or d	ama	ae ind	dicat	es the						
		1	lity of in					_								
			be sch							everely						
			d weldme ed wheel													
		_					•									
			When re BUSHING													
			nd pre-gi													
			veldment													
			he Shoe							e VFD						
		Pa	rameter	Too	ol, per	form	the	follow	ing							

U.S. Postal	Service						II	DENTIFICAT	ION				
Maintenance	Checkl	ist	WORK CODE			QUIPMENT ACRONYM	•		CLA	ASS DE	NUI	MBER	TYPE
			0 3	A P	Р	S			Α	Α	0	0 1	М
Equipment Nomenclature Automated Packae Syste	ge Proc	essing	Equipmer	nt Model				Bulletin Filer mm1	name 5109		Occurre	eCBM	
Part or	Item		Task	Statement	t and I	nstruction			Est.	Min	,	Threshold	s
Component	No	(Comply wit	h all curre	nt saf	ety precauti	on	s)	Time		Run	Pieces	Freq.
									Req (min)	Skill Lev	Hours	Fed (000)	
		sub	steps:										
		a.	Don PF	PE.									
		b.		SD1-DC position		disconnec	ct :	switch to					
		C.	disconr	enclosure nect the rom the									
		d.	Close t	he FSD	1-DC	C-8 enclo	ure.						
		e.		SD1-DC positior									
		f.	Doff PF	PE.									
		12. Rep	olace any	remove	ed gu	arding							
DISTRIBUTION	75**	Weldme	ent Inspe	ection a	nd L	ubricatio	n.	•	202	09	1800	8200	
SUBSYSTEM: SHOE SORTER WELDMENTS SIDE 2		requirin covers/ PPE. R	ig equipi panels o efer to th MMO for	ment to pen, yo ne curre	be p u mi ent E		on ip W						
		weldme	nts to be	e servic	ed a	it the bot	ttc	ocate the om of the ore Induct					
		This wil		for bot	h si	des to b	е	serviced					
		hand w jogging	hile lock the Shoe nly advai	ed out Sorter	or using	may be g the VFD	n F	nually by noved by Parameter ne forward					
		applied time wh the nex	to the m ile joggi t section	nachine ng the s of weld	for a Shoe dmer	will need a short pe Sorter to nts using MS-202 V	eri o a ı tl	iod of access he					

38 Attachment 2

Section 4.2 titled Conveyor Manual Operation. Using the VFD Parameter Tool does not require computer systems to be powered up,

U.S. Postal	Service													
Maintenance	Checkl	ist	WORK CODE			QUIP ACRO				ASS DDE	NU	MBER		TYPE
			0 3	A P	Р	S			Α	Α	0	0	1	М
Equipment Nomenclature	е		Equipme	nt Model		1	1	Bulletin File	ename		Occurre	ence		
Automated Packa		essing						mm	15109			eCE	ЗМ	
Syste	m													
Part or	Item		Task	Statemen	t and	Instruc	tion		Est.	Min		Thresl	holds	S
Component	No	((Comply wi	th all curre	ent sat	fety pr	ecautio	ns)	Time		Run	Piece	es	Freq.
									Req (min)	Skill	Hours	Fed	t	·
									(11111)	Lev		(000	0)	
		reset to enclosu perform Tools re 12" Adju Small P Grease All Purp equivale 1. Re 2. Pos Soi 3. If th	gun with ose Greatent) move gunsition the reter in the ne Shoe form the Don Pf Turn Foff posto the connect to t	480 VA k out the following ombinate 2"-16") Needle asse (Cass arding a desired access Sorter is following PE. SD2-DC sition. enclosure to cable correct \ d in the following SD2-DC sition. Estable correct \ d in the following SD2-DC sition. Estable SD2-DC sition. PE. SD2-DC sition. PE. Shoe S	C to he man to h	the I achirusks. quare (Linco Tribo cessa tion of area. uired bstep disco SD2-D per in 202, V Manu CC-8 disco ser to the contraction of the contr	oln P/I I BRB ary of the second connection of	N 83278) -572 or Shoe jogged, t switch to and meter Toctions Section peration. sure. t switch to	ıl					
		FS loca the me	her lock o	out the e -8 disco t proced orter. Po	entire nnec lures erfori	APP et in a to po m the	S or s ccord event follor		•					

U.S. Postal Service

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Checkl	ist		ORK		ŀ	ACRO					ASS DDE	NU	MBER	TYPE
			0	3	A F		S				Α	Α	0	0 1	М
Equipment Nomenclature Automated Packag System	ge Proc	essing	Equ	ıipmer	nt Model						name 15109		Occurre	eCBM	1
Part or	Item			Task	Stateme	nt and	Instru	ction			Est.	Min		Threshol	lds
Component	No	,	(Com	ply wit	th all cur	rent sa	ıfety pı	ecautio	ns)		Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		a.			the flat of the				on squ	uare					
		b.	th th	e fork e sca	side o k openi ale dow firmly o	ng (tr nwar	ailing d, (be	ı side) ehind t	exten	nd neel)					
		C.	pr po ax ex Ro	eldme y bar pint th de. If ccess	ne heighent on the lower of the whole of the whole of the disapple.	the so trailier fork heel is ce is l	cale. ing w touc s lifte being	Then, eldme thes the doff off applies	using nt to t e whe f the l ed.	g the he eel rail,					
		d.	in	ch ind	rement dicate t uled for	he w	eldme	ent sho							
		we Cra rep	ldme acke blace inufa	ent fo ed we emen	pect the or signs eldment t. New ed with	of fa s sho er we	itigue ould b eldme	or cra e sche ents ar	cking eduled e beir	d for ng					
		ne (10	edle :c) ir	tippe nside	e fork or ed grea the up contac	se gu per a	ın. A nd lo	pply g wer fo	rease rk tips	; ;					
		flat imp imp	spc oreg oreg	ots, go nated	ment wouges of with red whee wheeler	or if tl netal.	he wh . Dar	neel is naged	or						
		sla bed allo bol	ts. I en u ow e ts (3	If imp sed, and-ca 3) sho	lat end proper to the bol ap move buld be washer	oolts (ts ma emer 30 m	(40 m ay be nt. E	im long tight a nd cap	g) hav nd sti to sla	/e ill at					
					end cap k nuts i										

U.S. Postal S	Service						I	DENTIFICAT	ION					
Maintenance	Check	ist	WORK CODE			QUIPMEN ACRONYN				ASS DDE	NU	MBEF	8	TYPE
			0 3	A P	Р	S			Α	Α	0	0	1	М
Equipment Nomenclature			Equipmer	nt Model	•			Bulletin Filer			Occurre			
Automated Packaç Syster	-	essing						mm1	5109			eC	ВМ	
Gyster	11													
Part or	Item No		Task	Statement	and	Instruction			Est.	Min		Thres	holds	8
Component	110	(Comply wit	th all curre	nt sat	ety precau	tio	ns)	Time Req	Skill	Run Hours	Piec Fe		Freq.
									(min)	Lev	riouio	(00		
												(**	-,	
		Nyl	ock).											
								icates the						
								ve repairs						
						ompletior than 1/8"		Severely or severely						
								mediately.						
						ments, be								
				•	,	PSN 933								
			a pre-gre eldment :		inne	er and sid	эе	surfaces						
					as ic	naed usi	ind	the VFD						
		Par				the follo								
		a.	Don PF	PE.										
		b.		SD2-DC position		disconne	ect	switch to						
		C.	Open e	enclosure	e FS	D2-DCC								
				rom the		Parame	ete	r tool						
		d.	Close t	he FSD2	2-DC	CC-8 enc	los	sure.						
		e.		SD2-DC position		disconne	ect	switch to						
		f.	Doff PF	PE.										
		11. Rer	olace any	/ remove	ed aı	uardina								
DISTRIBUTION	76**					on on sid	de	one.	12	09	600	27	00	
SUBSYSTEM: SHOE SORTER		1. Rem	nove gua	rding as	nec	essary								
SIDE 1		2. Veri	fy all fran	ne hardv	ware	is tight.								
			-			ush for o	bν	ious						
		dam	age and	adjustm	ent	so that th or its ent	ne	brush						
		4. Che leak		oiler res	ervo	oir and m	an	ifold for						
		lubri	cant if re	servoir i	s lov	oir oil leve v. Reple Shell To	nis							

MMO-131-16									Ma	iintenanc	e lec	chnic	al Su	oport (Center
U.S. Posta	al Service									IDENTIFICA	TION				
Maintenance	e Check	list		ORK ODE				QUIP ACRC	MENT NYM		_	ASS DDE	NU	IMBER	TYPE
			0	3	Α	Р	Р	S			Α	Α	0	0 1	М
Equipment Nomenclate Automated Pack Syst	age Prod	essing	Equ	uipme	nt Mo	del			•	Bulletin File	name 15109	•	Occurre	ence eCBM	1
Part or	Item			Task	State	ment	and	Instru	ction		Est.	Min		Threshol	ds
Component	No		(Com	ply wi	th all	curre	nt sai	fety pr	ecautio	ons)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		Mok	oil V	actra	#2.										
		6. Rep	lace	any	rem	ove	d gu	ardir	ng						
		_		te co					er and	I notify					

Supervisor as necessary. 77** DISTRIBUTION 12 09 600 2700 Check Shoe Sorter condition on side two. SUBSYSTEM: Remove guarding as necessary SHOE SORTER SIDE 2 Verify all frame hardware is tight. 3. Check overflow debris brush for obvious damage and adjustment so that the brush barely touches the slats for its entire length. 4. Check chain oiler reservoir and manifold for leaks. 5. Check chain oiler reservoir oil level. Add lubricant if reservoir is low. Replenish with Exxon Mobil FEBIS K68, Shell Tonna V 68 or Mobil Vactra #2. 6. Replace any removed guarding 7. Generate corrective work order and notify Supervisor as necessary. 500 DISTRIBUTION 78** Check Chain Tension and Delta on side one. 2300 5 09 SUBSYSTEM: Remove guarding as necessary SHOE SORTER CHAIN SIDE 1 2. Check chain tension at tail shaft/sprocket assembly. The vertical spring plate should be at the edge of, but not visible from the top viewing hole (3-3/16 inches from edge of box). Adjust as necessary. 3. Measure side-to-side chain length delta. If chain tension adjustments were just made, the shoe sorter must be run for 5 minutes prior to taking the following measurement. a. Measure from the tail shaft center dimple to the inboard edge of the guarded adjustment frame box on each side (within +/- 1/16") on each side. Measurements should be taken from the center of the shaft to the end of the box opposite the

Maintenance rec		п Опррс	nt Och	ıcı									IV	IIVIO- I	71-10
U.S. Postal S	Service						I	DEN	ITIF	ICAT	ION				
Maintenance	Checkl	list	WORK CODE			EQUIP ACRO						ASS DE	NL	MBER	TYPE
			0 3	Α	P P	S					Α	Α	0	0 1	М
Equipment Nomenclature	Э		Equipme	nt Mode	el	ı	1	Bull	etin	Filen	name	1	Occurre	ence	
Automated Packag	ge Prod	essing							n	nm1	5109			eCBM	
Syster	m														
Part or	Item		Tack	Statem	ont one	1 Inctru	etion			ĺ	Est.	Min		Threshold	le l
	No							\			Time		D	Pieces	
Component		(Comply w	itir ali cu	irrent S	агету рг	ecaulioi	ns)			Req	Skill	Run Hours	Fed	Freq.
											(min)	Lev		(000)	
												_0.		(000)	
		b. c. 4. Che adju	tension input en Compar If the de be a proshorter and correct than 5.5 should be the next delta is replacer eck oiler istment.	d of the e meaulta is golden value. The inche of school ethics is school greatement subrush is brush in the mean to be subrush in the inche of the i	e Sho suren greate with th Take a eithe s full d eduled ler iss side-to luled i r than hould	ne Sor nents in than ne cha ne chain in the chain in the chain in the chain in the	from e 1/2" the in oile to inversurem replace oes no differe urement chain, nsider	ach nere r on estig ent eme ot ence nt o	sice months the state of the st	de. ay e e ess					
			lace any		_		y								
			ervisor a												
DISTRIBUTION SUBSYSTEM: SHOE SORTER CHAIN SIDE 2	79**	assi at th view Adju 3. Mea chai the prio a.		arding tension tension the ve of, but e (3-3/1) ecessa le-to-si n adjuiter mu ng the from board ent fra on the ent fra the ent the en adjusti	as ne on at the rical structure of the talendar of the ment at the rical structure of the talendar of the ment at the rical structure of the ment at the rical structure of the rical s	cessarial shapping isible these from the control of	ry aft/sproplate rom the om edge re just r 5 min easure t cente guard each s fleasur conter copposibly (to	ockersho sho elta ma nute eme er d led side reme of t	et uld op of b . If de, es nt. (wi ent he the	ox).	5	09	500	2300	

b. Compare measurements from each side.

													5		<u> </u>	
U.S. Postal Service								IDE	ENTIF	FICAT	TION					
Maintenance Checklist		RK DE					PMENT DNYM					ASS DE	NU	JMBE	R	TYPE
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Equipment Nomenclature Automated Package Processing System	Equ	ipme	nt Mo	del				В			name 5109		Öccurre		ВМ	
Part or Itom		Tack	State	mont	and	lnotru	ction				Ect	Min		Thro	cholo	lc.

Syster	m						
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.
		If the delta is greater than 1/2", there may be a problem with the chain oiler on the shorter side. Take action to investigate and correct. If either measurement is less than 5.5 inches full chain replacement should be scheduled. c. If correcting oiler issues does not decrease this side-to-side difference by the next scheduled measurement or the delta is greater than 5/8" chain, replacement should be considered. 4. Check oiler brush for wear, dirt, or misadjustment. 5. Replace any removed guarding 6. Generate corrective work order and notify Supervisor as necessary.					
DISTRIBUTION SUBSYSTEM: SHOE SORTER GEARBOX SIDE 1	80	Change gearbox oil on side one. Change gearbox oil using ISO VG220 Mineral Based Oil, Shell OMALA 220.	14	07	10000	45000	
DISTRIBUTION SUBSYSTEM: SHOE SORTER GEARBOX SIDE 2	81	Change gearbox oil on side two. Change gearbox oil using ISO VG220 Mineral Based Oil, Shell OMALA 220.	14	07	10000	45000	
INDUCTION SUBSYSTEM: POLY CHAIN BELTS SIDE 1	82	Check drive belt and sprocket condition on side one. Check condition of poly chain belts and sprockets on the following conveyors for pulleys with sharp edges, or belts with tears, missing teeth, or improper tension. Remove guarding, as necessary, check belts and sprockets, then reinstall guarding for the following conveyors: 1. Sync Module Conveyors DX1-1 through DX1-4 and DX2-1 (5) 5 to 8 lb at .125" to .25" 2. Recirculation Conveyor (1) see MS-202 for tensioning 3. Auto-induction 45 degree Loading and Unloading Conveyors (6) 5 to 7 lbs. at .5"	24	09	7200	35000	

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Maintenance Checklist		RK DE					MENT DNYM				CLA CO		NL	JMBE	R	TYPE
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Part or	Item		Task Statement and Instruct	on	Est.	Min		Threshold	s
Component	No	(1	Comply with all current safety pred	cautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
INDUCTION SUBSYSTEM: POLY CHAIN DRIVE BELTS SIDE 2	83	at .5 5. Sem Con 6. Sem Con 7. Sem Syno 8. Sem Con 9. Gen Supple Check of Side two C	ni-Automatic Induction Static veyors (2) 5 to 7 lbs. at .5" ni-Automatic Induction Static veyor (1) 5 to 7 lbs. at .5" ni-Automatic Induction Static chronizing Conveyor (1) 5 to ni-Automatic Induction Static veyor (1) 5 to 7 lbs. at .5" perate corrective work order ervisor as necessary.	on Coding on Scale on o 7 lbs. at .5" on Unloading and notify Indition on and sprockets ys with sharp eeth, or g, as ets, then onveyors: through DX1- 25" to .25" MS-202 for ing and lbs. at .5" ing Coding on Coding on Scale on o 7 lbs. at .5"	24	09	7200	35000	

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
			ı		_		
		Generate corrective work order and notify Supervisor as necessary.					
INDUCTION	84	Check gearbox condition on side one.	2	07	1800	8200	
SUBSYSTEM: GEARBOXES SIDE 1		Check gearboxes on the following conveyors for leaks:					
		Remove guarding as necessary					
		2. Auto-Induction 90 Degree Conveyor (3)					
		3. Semi-Auto Roller Conveyor (1)					
1		4. Rework Roller Conveyor (1)					
		5. Replace any removed guarding					
		Generate corrective work order and notify Supervisor as necessary.					
INDUCTION	85	Check gearbox condition on side two.	2	07	1800	8200	
SUBSYSTEM: GEARBOXES SIDE 2		Check gearboxes on the following conveyors for leaks:					
_		Remove guarding as necessary					
		2. Auto-Induction 90 Degree Conveyor (3)					
		3. Semi-Auto Roller Conveyor (1)					
		4. Rework Roller Conveyor (1)					
		5. Replace any removed guarding					
		 Generate corrective work order and notify Supervisor as necessary. 					
INDUCTION	86	Check O-ring belts on side one.	5	09	1800	8200	
SUBSYSTEM: SEMI-AUTO ROLLER TABLES		Check underside of the shoe sorter roller table and the rework roller table from beneath them.					
SIDE 1		Look for damage or obvious signs of wear such as worn steel shafts, broken or missing pulleys or rollers, missing O-ring belts, or bearings emitting debris.					
		Generate corrective work order and notify Supervisor as necessary.					
INDUCTION SUBSYSTEM:	87	Check O-ring belts on side two.	5	09	1800	8200	

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	S
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
SEMI-AUTO ROLLER TABLES SIDE 2		Check underside of the shoe sorter roller table and the rework roller table from beneath them. Look for damage or obvious signs of wear such as worn steel shafts, broken pulleys, missing O-ring belts, or bearings emitting debris. Generate corrective work order and notify Supervisor as necessary.					
INDUCTION SUBSYSTEM: SEMI-AUTO CODING CONVEYOR (2 BELTS) SIDE 1	88	Check tension pulley on side one. Check Coding Belt Tension Roller bearings and shaft ends for signs of failure (shaft damage or wear or bearing emitting debris). Rotate coding belt by hand to verify roller is not binding and that bearings are not failing. Generate corrective work order and notify Supervisor as necessary.	6	09	7200	35000	
INDUCTION SUBSYSTEM: SEMI-AUTO CODING CONVEYOR (2 BELTS) SIDE 2	89	Check tension pulley on side two. Check Coding Belt Tension Roller bearings and shaft ends for signs of failure (shaft damage, or wear, or bearing emitting debris). Rotate coding belt by hand to verify roller is not binding and that bearings are not failing. Generate corrective work order and notify Supervisor as necessary.	6	09	7200	35000	
INDUCTION SUBSYSTEM: 45 DEGREE BELTS SIDE 1	90	 Check Anti-Skid Assemblies on side one. Check Anti-Skid Assemblies on the Auto and Semi-Auto Induction Stations for: 1. Remove guarding as necessary 2. Broken, missing, damaged, or loose hardware. 3. Check for broken, missing, or damaged springs. 4. Check for broken, missing, damaged, or binding casters. 5. Replace any removed guarding 6. Generate corrective work order and notify Supervisor as necessary. 	7	09	7200	35000	

U.S. Postal Service

Maintenance Technical Support Center

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SORTER SUBSYSTEM:	92**	Check S			•							0.01	* 07				1
SAFETY BARRIERS		Check for barriers etc.).										3,					
		Generat Supervis						er ar	nd noti	ify							
		*Multipl	ied	Ву: (Carri	ier (Cells	3									
SORTER	93	Clean la	abel	prin	ter p	rint	hea	ads.				2	07	20	1	90	
SUBSYSTEM: LABEL PRINTERS		Clean the				r pri	nt h	ead (using t	the							
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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.
SORTER SUBSYSTEM: CABLES, WIRING, CONNECTORS, AND TERMINATIONS	95	place and functional by extending the roller extension fully. 2. Check bin chutes and associated hardware for wear, sharp edges, and damage. 3. Grasp each chute and attempt to lift or move is side-to-side. Ability to move chute indicates that the lower mounting bolts may be loose or missing. 4. Log the bin position numbers checked during this check and ensure all bins are checked on a rotational basis. 5. Generate corrective work order and notify Supervisor as necessary. *Multiplied By: 25% BINS Check cables and wiring. Check the physical integrity of all externally accessible cables, wiring, connectors, and terminations in the Sorter Subsystem. Tighten any visibly loose connections and note any obvious cable damage such as pinched cables, cuts or abrasions which could affect cable integrity. • GCPU cabling. • 70 VDC Power Supply cabling. • OCC Cabling • OIP Cabling Perform this task in tandem with sorter vacuuming tasks while guarding is removed for cleaning. Generate corrective work order and notify Supervisor as necessary. *Multiplied By: Carrier Cells	0.05*	07	7200		
SORTER SUBSYSTEM: CLEAN MONORAIL DEBRIS	96	Clean monorail. Check monorail for build-up of dirt or debris not removed by regular vacuuming. Clean areas of monorail with excessive buildup. Perform this task in coordination with Sorter	0.1*	07	7200		

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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.
		vacuuming schedule to minimize necessity to remove additional guarding. *Multiplied By: Carrier Cells					
POWER AND CONTROL: POWER FACTOR CONTROL CABINET (PFC)	97	Inspect and clean PFC. WARNING: Capacitors within this enclosure have the potential to store hazardous voltages. Wait at least two minutes after system lockout for capacitors to fully discharge. Failure to comply could result in personal injury or death.		09			M
		 Open cover of PFC Check condition of interior components. 					
		3. Check cooling fans for dirty blades and clean as needed.4. Check inside cabinet for indications of worn or damaged components.					
		 Inspect condition of filter media located at bottom of enclosure. Clean or replace filter as appropriate. 					
		6. Close cover of PFC7. Generate corrective work order and notify					
DOWED AND		Supervisor as necessary.		0.7			
POWER AND CONTROL: SUPERVISOR PLATFORM COMPUTER CABINET	98	 Clean SMS Computer Cabinet & Desk. Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. 	8	07			M
O/ ISHVE I		 Clean cabinet interior & exterior, printer, keyboard, mouse, and monitor as needed. Vacuum computer filters (replace as necessary). 					
POWER AND CONTROL: SUPERVISOR PLATFORM COMPUTER	99	Clean Supervisor Platform Computers (3). 1. Verify cables are labeled, and then disconnect cabling from the computer. 2. Remove computer from rack and clean	60	09			52

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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.
CABINET		computer interior using an ESD vacuum or Dust Containment Unit. 3. Re-install computer within the rack and reconnect cabling.					
POWER AND CONTROL: IMAGE PROCESSOR RACKS 1 THRU 3	100	 Clean IS and IP computer cabinets 1 thru 3 (3 per system). Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. Clean cabinet interior & exterior, keyboard, mouse, and monitor as needed. Vacuum computer filters (replace as necessary). 	15	07			M
POWER AND CONTROL: IMAGE PROCESSOR RACK 4 (DUAL ONLY)	101	 Clean IP computer cabinet #4 (1 per system). Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. Clean cabinet interior & exterior, keyboard, mouse, and monitor as needed. Vacuum computer filters (replace as necessary). 	5	07			M
POWER AND CONTROL: IMAGE PROCESSOR RACKS 1 THRU 3	102	 Clean the Image Server Computer. Verify cables are labeled, then disconnect cabling from the computer. Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. 	20	09			52
POWER AND CONTROL: IMAGE PROCESSOR RACKS 1 THRU 3	103	Clean the AMD Computer. 1. Verify cables are labeled, then disconnect cabling from the computer	20	09			52

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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	s
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling.					
POWER AND CONTROL: IMAGE PROCESSORS 1 and 2	104	 Clean the Image Processor Computers (1 and 2). Verify cables are labeled, then disconnect cabling from the computer. Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. 	40	09			52
POWER AND CONTROL: IMAGE PROCESSORS 3 and 4 (DUAL ONLY)	105	 Clean Image Processor Computers (3 and 4). Verify cables are labeled, and then disconnect cabling from the computer. Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. Dual Sided Machine Only 	40	09			52
POWER AND CONTROL: FSD COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 1	106	 Clean FSD/DCS computer cabinet side one. Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. Clean cabinet interior & exterior, keyboard, mouse, and monitor as needed. Vacuum computer filters (replace as necessary). 	5	07			M
POWER AND CONTROL: FSD/DCS COMPUTERS SIDE	107	 Clean FSD & DCS Computers on side one (3). Verify cables are labeled, and then disconnect cabling from the computer. 	60	09			52

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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.
1		 Remove computer from rack, and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. 					
POWER AND	108	Clean FSD/DCS computer cabinet side two.	5	07			М
CONTROL: FSD COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 2		 Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. Clean cabinet interior & exterior, keyboard, 					
		mouse, and monitor as needed.					
		Vacuum computer filters (replace as necessary).					
		* Dual Sided Machine Only					
POWER AND CONTROL: FSD/DCS	109	 Clean FSD & DCS Computers on side two (3). Verify cables are labeled, and then disconnect cabling from the computer. 	60	09			52
COMPUTERS SIDE 2		Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit.					
		Re-install computer within the rack and reconnect cabling.					
		* Dual Sided Machine Only					
POWER AND	110	Clean IC computer cabinet on side one.	5	07			М
CONTROL: IMAGE CAPTURE COMPUTER CABINETS WITH COMPUTERS AND		 Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. 					
UPS SIDE 1		Clean cabinet interior& exterior, keyboard, mouse, and monitor as needed.					
		Vacuum computer filters (replace as necessary).					
POWER AND	111	Clean Image Capture Computers (4).	80	09			52
CONTROL: IMAGE CAPTURE COMPUTER		Verify cables are labeled, and then disconnect cabling from the computer.					

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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.
CABINETS WITH COMPUTERS AND UPS SIDE 1		 Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. 					
POWER AND CONTROL: IMAGE CAPTURE COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 2	112	 Clean IC computer cabinet on side two. Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. Clean cabinet interior & exterior, keyboard, mouse, and monitor as needed. Vacuum computer filters (replace as necessary). * Dual Sided Machine Only	5	07			M
POWER AND CONTROL: IMAGE CAPTURE COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 2	113	 Clean Image Capture Computers (4). Verify cables are labeled, and then disconnect cabling from the computer. Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. * Dual Sided Machine Only 	80	09			52
POWER AND CONTROL: SEMI- AUTO INDUCTION COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 1	114	 Clean SAIC computer cabinet on side one. Check for indications of damaged cabinet or components. Verify cabling connections to computers are secure and cables are not visibly damaged. Clean cabinet interior & exterior, keyboard, mouse, and monitor as needed. Vacuum computer filters (replace as necessary). 	5	07			М
POWER AND CONTROL: SEMI- AUTO INDUCTION	115	Clean Induction Computers (4). 1. Verify cables are labeled, and then disconnect	80	09			52

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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.
COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 1 POWER AND CONTROL: SEMI- AUTO INDUCTION	116	cabling from the computer. 2. Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. 3. Re-install computer within the rack and reconnect cabling. Clean SAIC computer cabinet on side two. 1. Check for indications of damaged cabinet or components. Verify cabling connections to	5	07			M
COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 2		computers are secure and cables are not visibly damaged. 2. Clean cabinet interior & exterior, keyboard, mouse, and monitor as needed. 3. Vacuum computer filters (replace as necessary). * Dual Sided Machine Only					
POWER AND CONTROL: SEMI- AUTO INDUCTION COMPUTER CABINETS WITH COMPUTERS AND UPS SIDE 2	117	 Clean Induction Computers (4). Verify cables are labeled, and then disconnect cabling from the computer. Remove computer from rack and clean computer interior using an ESD vacuum or Dust Containment Unit. Re-install computer within the rack and reconnect cabling. Dual Sided Machine Only 		09			52
POWER AND CONTROL: SORTER MAIN CONTROL CABINET (SMCC)	118	WARNING 480 Volt electric power is present at the Line side of the main disconnect. Use caution to avoid electrical shock, personal injury, or death. Steps contained in this bulletin require the use of Personal Protective Equipment (PPE). Refer to the current Electrical Work Plan (EWP) MMO for appropriate PPE and	15	09	1800		

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			•							•								
Part or	Item No		,	Task Statement and Instruction									Est.	Min		Thre	shold	s
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Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	6
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		 barricade requirements. Don the appropriate EWP PPE and set up barricades as required by the current Electrical Work Plan (EWP) MMO. Open cabinet door Check inside cabinet for indications of worn or damaged components. 					
		 Clean cabinet interior as needed, then close the enclosure doors. Close cabinet door Doff EWP PPE. Clean cabinet exterior as needed. 					
POWER AND CONTROL: UNLOADER DISTRIBUTED CONTROL CABINET (UDCC) SIDE 1	119	 Inspect and clean UDCC enclosures on side one (3). Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed (3 per side). Close cabinet door 	10	09	1800		
POWER AND CONTROL: UNLOADER DISTRIBUTED CONTROL CABINET (UDCC) SIDE 2	120	 Inspect and clean UDCC enclosures on side two (3). Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed (3 per side). Close cabinet door 	10	09	1800		
POWER AND CONTROL: FEED SINGULATION DISTRIBUTION MAIN CONTROL CABINET (FSD-	121	Inspect and clean FSD-MCC enclosure on side one. 1. Open cabinet door 2. Check inside cabinet for indications of worn or		09	1800		

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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.
MCC) SIDE 1 POWER AND	122	damaged components. 3. Clean cabinet exterior and interior as needed 4. Close cabinet door Inspect and clean FSD-MCC enclosure on side	5	09	1800		
CONTROL: FEED SINGULATION DISTRIBUTION MAIN CONTROL CABINET (FSD- MCC) SIDE 2		 Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed. Close cabinet door 	J				
POWER AND CONTROL: FEED SINGULATION DISTRIBUTION CONTROL CABINET (FSD- DCC) SIDE 1	123	 Inspect and clean FSD-DCC enclosures on side one (8). Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed (8 per side). Close cabinet door 	40	09	1800		
POWER AND CONTROL: FEED SINGULATION DISTRIBUTION CONTROL CABINET (FSD- DCC) SIDE 2	124	 Inspect and clean FSD-DCC enclosures on side two (8). Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed (8 per side). Close cabinet door 	40	09	1800		
POWER AND CONTROL: DISCRETE DISTRIBUTED SOURCE OF SUPPLY SIDE 1	125	 Inspect and clean DDSS enclosure on side one. Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed. 	5	09	1800		

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		I										1	(000)	<u> </u>
		4. Clos	se cabine	et door										
POWER AND CONTROL: DISCRETE DISTRIBUTED	126	two.	and clean		S en	closu	ire o	n side		5	09	1800		
SOURCE OF SUPPLY SIDE 2			ck inside aged co			ndica	tions	of wo	rn or					
		3. Clea	an cabine	et exterio	or an	d inte	rior a	s nee	ded.					
		4. Clos	se cabine	et door										
POWER AND	127	Inspect	and clea	an IMCC	enc	losu	re or	side		5	09	1800		

2. Check inside cabinet for indications of worn or

Clean cabinet exterior and interior as needed.

Inspect and clean IMCC enclosure on side two.

Clean cabinet exterior and interior as needed.

Inspect and clean side ADCC Enclosures on

Check inside cabinet for indications of worn or

Inspect and clean side ADCC Enclosures on

Clean cabinet exterior and interior as needed.

Check inside cabinet for indications of worn or

5

15

15

09

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1800

1800

1800

1. Open cabinet door

4. Close cabinet door

Open cabinet door

4. Close cabinet door

Open cabinet door

4. Close cabinet door

Open cabinet door

side one (3).

side two (3).

damaged components.

damaged components.

damaged components.

INDUCTION MAIN

CONTROL CABINET (IMCC)

SIDE 1

POWER AND

CONTROL:

INDUCTION MAIN CONTROL

CABINET (IMCC)

SIDE 2

POWER AND

CONTROL:

AUTOMATIC

DISTRIBUTED CONTROL

CABINET (ADCC)

SIDE 1

POWER AND

CONTROL:

AUTOMATIC

DISTRIBUTED CONTROL

128

129

130

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Syster	11						
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.
CABINET (ADCC) SIDE 2		 Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed. Close cabinet door 					
POWER AND CONTROL: SEMI- AUTOMATIC DISTRIBUTED CONTROL CABINET (SADCC) SIDE 1	131	Inspect and clean side SADCC Enclosure on side one. 1. Open cabinet door 2. Check inside cabinet for indications of worn or damaged components. 3. Clean cabinet exterior and interior as needed. 4. Close cabinet door	5	09	1800		
POWER AND CONTROL: SEMI- AUTOMATIC DISTRIBUTED CONTROL CABINET (SADCC) SIDE 2	132	 Inspect and clean side SADCC Enclosure on side two. Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed. Close cabinet door 	5	09	1800		
POWER AND CONTROL: OPERATOR CONTROL CABINET (OCC)	133	 Inspect and clean all OCC Enclosures. Open cabinet door Check inside cabinet for indications of worn or damaged components. Clean cabinet exterior and interior as needed. Close cabinet door *Multiplied By: OCC 	5*	09	1800		
POWER AND CONTROL: 70 VDC POWER SUPPLY	134	Inspect and clean all 70 VDC Power Supply Enclosures. (Up to 4 on a system) 1. Open cabinet door 2. Check inside cabinet for indications of worn or damaged components. 3. Clean cooling fan and cabinet exterior and	8*	09	1800		

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Part or	Item		Task Statement and Instruction		Est.	Min	-	Thresholds	S
Component	No	(Comply with all current safety precaution	าร)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		inte	rior as needed.						
		4. Clos	se cabinet door						
			sen thumbscrews, remove, and verscreens (2 per supply).	vacuum					
		6. Re-i	nstall filter screens.						
		*Multipl	ied By: 70 VDC Power Supply						
POWER AND	135	Inspect	and clean all GCPU Enclosure	es.	5*	09	1800		
CONTROL: GROUND		(Up to 8	on a system)						
CENTRAL PROCESSING		1. Ope	en cabinet door						
UNIT (GCPU)			ck inside cabinet for indications naged components.	of worn or					
		3. Clea	an cabinet exterior and interior as	s needed.					
		4. Clos	se cabinet door						
		_	ied By: GCPU						
POWER AND CONTROL:	136		all externally accessible cables at the SMCC and Supervisor Pl		5	09	7200		
SORTER MAIN CONTROL CABINET (SMCC)		acce the	ck the physical integrity of all ex- essible cables, wiring, and conne- supervisor platform and surround er and control cabinets.	ectors, to					
			nove any items placed on top of CC enclosure.	the					
SORTER	137**	Sorter t	rain length evaluation and adj	ustment.	40	09	1440		
SUBSYSTEM: SORTER ASSEMBLY		every ei slip joint plunger with all s extende	Slip-joints are installed approxim ght trains (56 cells). When cented will have 1 mm of flat exposed a shaft. Having the train length act slip-joints at 1 mm extension or a d and compressed averaging to d will extend staybolt life and recear.	ered, the on the djusted a mix of 1 mm					
		the sorte	ngth evaluation <u>must</u> be performer is stopped. All slip-joints musted without moving the train betweetions of all slip-joints as the dista	t be een					

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·	1	I	1							1		,					
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		1 -													1		
		change	e with each movement of the sorter.														
		1. Loca															
				Use the local spreadsheet of recorded olt lengths created during cell inspection ermine which cells have slip-joints.													
				etermine which cells have slip-joints.													
									nts are								
		com 1 mi	•	ssed	or i	f they	y are	exte	ended	past	:						
									ssed t		verall						
									horter								
									nt on t to the		age						
				machine to bring it closer to the average machine staybolt distance.													
				If all staybolts are extended past 1 mm of exposed flat, the overall train length is too													
			shor	rt. Lo	eng	then	the	short	est st	aybo	lt or						
									o bring taybol								
									t of re								
									luring		١ 40						
			ınsp adju		on w	nen	cnoc	osing	stayb	ooit(s) 10						
									s on th								
								ded s spec	staybo tion.	ıt ler	ngths						
		If when	•	_	•	-			_			9					
		required extende															
		out of to			•			-		•							
		staybolts	S.														
APPS SYSTEM:	138**	Power u	er up and restore system to operational								13	10				D	
POWER UP		mode.															
			ARNING: Be careful when working around or								•						
		on equi Some o															
		machin															
		prevent	hai	r, clo	othi	ng, t	ools	s, an	d test								
		equipm				•				•							
		1. Res	tore	the:	syst	em t	о ор	erati	onal m	node	as		1				

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Component	No	((Comply with all current safety precaution	ons)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
APPS SYSTEM: LOGS	139**	2. Vering Take remmoder and solutions are solutions and solutions are solutions and solutions are solutions and solutions are solutions are solutions and solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solutions are solutions are solutions are solutions are solutions. The solutions are solutions are solut	NG: Be cautious when workir quipment when power has be	aployee. e or Offline. eystems filine after Sorter ent the ed. Place ter does e mode for Indicators erly. alities and Generate pervisor as and and ting around en equiring ting faults F faults for Report ng orrective rective	10	10	1	0.001	

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APPS SYSTEM: E- STOPS	140**		all Pull-C 2 people			_	-	ead E-	0.2*	09			4			
		or on ed applied that the precaut	quipmen . Some machin ions to t equipn	nt when of the fo e be run prevent	pow ollow nning hair	er having g. Ta , clo	as bed tasks ake thing,	require tools,	I							
			rt machin ning).	ie (all co	nvey	ors a	and ca	rrier cells	3							
		2. Acti	vate an E	E-Stop S	witch	h or F	Pullco	d.								
		activ diffe	fy the E- vated pos erent E-S perform	sition. N top each	IOTE	: Sta	art with									
		4. Veri	fy machi	ne stops	S.											
		5. Veri	fy E-Stop	p Switch	inte	rnal l	_ED ill	uminates	i.							
		6. Veri	fy red la	mp on st	ack l	light	illumin	ates.								
		7. Veri	fy horns	sound to	NO S	eque	ntial to	nes.								
			Pullcord e green l					operly ne switch								
		verit corr	et emerg fy the cal ect posit essary.	ble tensi	on in	idica	tor is i	n the								
			SMCC, verify the Clear Fault button ninates.													
		Fau	SMCC, re It pushbu hbutton I	utton, wh	nich v	vill ca										
		E-Si sequ ever indic	nout restatops by ruence for switch cators are hours and hours are hours are hours and hours are hours are hours are hours and hours are	epeating r each E sounds nd illumir	the Stop the a	active p swith audib the	rate ar itch. \ ole and									

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Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
APPS SYSTEM: UNLOADER SAFETY PHOTOTEYES SIDE 1	141**	 Review system log on SMS and ensure that all E -Stops were reported. Initiate corrective action for any damaged or improperly functioning switch. Generate corrective work order and notify Supervisor as necessary. *Multiplied By: E-STOP It is recommended that 2 persons perform the task. Check Unloader safety photoeyes on side one (3 unloaders per side). WARNING: Be cautious when working around or on equipment when power has been applied. There are three safety photoeyes on each Unloader located at ankle, waist, and chest heights. Block and unblock chest-height safety photoeye. Verify unloader will not operate. Verify blue stack light illuminates. Verify fault light illuminates on Unloader operator interface panel. Clear fault. Repeat steps 2 through 5 for waist-height and ankle-height safety photoeyes. Note any deficiencies and report them to supervisor. 	3	07			1
APPS SYSTEM: UNLOADER SAFETY PHOTOEYES SIDE 2	142**	Check Unloader safety photoeyes on side two (3 unloaders per side). WARNING: Be cautious when working around or on equipment when power has been applied. There are three safety photoeyes on each Unloader located at ankle, waist, and chest	3	07			1

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		2. Ver	ify unload	der will n	ot op	erat	e.									
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			Repeat steps 2 through 5 for waist-height and ankle-height safety photoeyes.													
			te any def pervisor.	ficiencie	s and	d rep	ort the	em to								
APPS SYSTEM: SAFETY	143**	Check	All Unioa		es (s	side	1*	07			1					
BARRIERS			resent wh	at er	.)											
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		wou	eck for mi uld prevei sed.													
		2. Ope	en gate.													
		3. Ver	ify that A	PCU will	l not	oper	ate.									
		4. Clo	se gate.													
			APCU ope that unloa													
		6. Rep	peat step	s 1 throu	ıgh 5	for s	secon	d gate.								
			te any def pervisor.	ficiencies	s and	l rep	ort the	em to								
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		2. With	unloade	er empty	/, ope	erate U	nloa	ader a	nd					
		a.	Verify sn operatior	nooth lift	_		e d	uring						
			Observe observin If any no	g for sig n-rotatio	ns of mal r	f pin or motion (clev	is we e pin	ar. is					
			observed replacem		uie ti	ne cievi	IS D	usning	g for					
			Observe floor mou			• .		nd ve	rify					
		d.	Check ga	auges fo	or dai	mage.								
			Observe in excess filter. Ini	s of 20 F	PSI ir	ndicates	s clo							
			Observe pressure ranges b	indicate	ed do	es not	fall	within						

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			e any de ervisor.	n to														
		NOTE:		e readir	ng													
		ranges a				750	SI											
			Stage one Tilt Up: 500 PSI to 750 PSI Stage two Dump Up: 700 PSI to 850 PSI															
		*Sta	ge three	Dun) PSI													
		rated ca system i	*Stage four Tilt Down: 1100 PSI to 1450 PS PTE: The maximum operating pressure with ed capacity should be less than 1750 PSI. The tem release pressure is pre-set at 1750 PSI is manufacturer.															
		NOTE:	The typic	al er		PUI	N pre	essure	e r	reading								
		ranges a	ge one ⁻			50 P	SI to	625	PS	SI								
			ge two L		-													
			ge three to 825 F		urn F	lom	e & ¯	Tilt Do	ow	/n: 600								
		NOTE: - rated ca system i the man	pacity sl release p	nould press	l be l	ess	than	1400) F	PSI. Th								
		It is rec	ommen	ded t	that	2 pe	rsoi	ns pe	erfo	orm th	е							
FEED SUBSYSTEM: APCU & PUN	145	side two	k Unloader hydraulic unit operation on wo (3 Unloaders) (2 people nmended).										07	140)	60	00	
OPERATIONAL SIDE 2		WARNII or on ed applied that the precaut and test moving	quipmer . Some machin ions to t equipn	nt who of the best	nen p ne fo run ent l	llow ning nair,	er ha ving g. Ta , clo	as be tasks ake thing	en s r	n equire ools,								
		WARNII	oving parts. ARNING: If the APCII pressure levels are															

U.S. Postal S	Service							FICAT	TION						
Maintenance	Checkl	ist	WORK CODE	CODE ACRONYM							ASS DE	NU	IMBE	R	TYPE
			0 3	A P	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	е		Equipmer	nt Model	1			Bulleti	n File	name	•	Occurre	ence	!	
Automated Packag	-	essing							mm1	5109			еC	BM	
Syste	m														
Part or	Item		Task	Statement	and I	Instruc	ction			Est.	Min		Thre	shold	s
Component	No		(Comply wit	th all curre	nt saf	ety pr	ecautio	ns)		Time		Run	Pie	ces	Freq.
·								,		Req (min)	Skill	Hours		ed	
										(111111)	Lev		(00	00)	
		be ren repaire WARN or in e remov repaire	IING: If the excess of red from s ed.	m servic e PUN p 1400 PS ervice i	levels N mu ely ar										
				eck pump, reservoir, filter, and all nections for leaking fluid. n Unloader empty, operate Unloader and											
				n Unloader empty, operate Unloader and erve for the following:											
		a.	Verify sn operation		perf	orma	ince c	during							
		b.	Observe observin If any no observed replacem	g for sig n-rotatio d, sched	ns of nal r	f pin motic	or cle	vis we he pin	ar. is						
		C.	Observe floor mou						rify						
		d.	Check ga	auges fo	r daı	mage	€.								
		e.	Observe in excess filter. Ini	s of 20 P	PSI ir	ndica	tes cl								
		f.	Observe pressure ranges b	indicate	ed do	oes n	ot fall	within	1						
				nerate corrective work order and notify pervisor as necessary.											
				The typical empty APCU pressure reading are as below:											
		*S	tage one T	ge one Tilt Up: 500 PSI to 750 PSI											
		*S	tage two D	ump Up	: 700	0 PS	l to 85	50 PSI							
		*S	tage three SI	Dump [) PSI	60									

Maintenance Technical Support Center

Maintenance	Checkl	ist	WORK CODE					MENT NYM			ASS DDE	NU	MBER		TYPE
			0 3	А	Р	Р	S			Α	Α	0	0	1	М
Equipment Nomenclature Automated Packag		essina	Equipme	ent Mod	lel				Bulletin Fil	ename 15109		Occurre		21/	
Syste	-	9							11111	15109			eCE	الااد	
Part or	Item		Tasl	Stater	nent	and I	nstru	ction		Est.	Min		Thresh	nolds	3
Component	No	((Comply w	ith all c	urren	nt safe	ety pr	ecautio	ns)	Time Req	Skill	Run Hours	Piece	-	Freq.
										(min)	Lev	riouro	(000)		
		*Sta	age four	Tilt Do	own:	: 11(00 P	SI to '	1450 PSI						
		NOTE:													
			release	pressi					PSI. The						
			The typi are as b		npty	PUI	N pre	essure	e reading						
		*Sta	age one	Tilt Up	o: 45	50 P	SI to	625	PSI						
		*Sta	age two	Lift Up	: 40	00 P	SI to	575 F	PSI						
			age three to 825 l		ırn F	lom	e & ⁻	wn: 600							
			apacity s release	than	re with PSI. The 100 PSI by										
		It is rec task.	ommen	ded tl	hat 2	2 pe	rsoı	ns pe	rform the						
DISTRIBUTION SUBSYSTEM: FSD	146**		FSD aco				erlo	cks or	n side on	e 12	09				1
INTERLOCKS SIDE 1		or on e	quipme I. Some e machii tions to et equipi	of the ne be preve	en p e fol run ent h	oowe llow ning nair,	er ha ring g. Ta clo	require tools,							
			rt machi ning).	ne (All	l cor	nvey	ors a	arrier cells							
		2. Ope	en the S	noe S	orte	r del	oris I	oin ac	cess door	-					
		3. Obs	serve the hes and												
		bac Pov	k to Loa	d Mod lers a	lule nd li	stop ndud	imn	nediat	e Sorter ely. ons will ru	n					
		5. At F	SD MC	C, ver	ify th	nat f	ault	light il	luminates	<u>- </u>					

Maintenance Led	<u>chnic</u> a	al Suppo	<u>rt Cent</u>	er		N	<u>1MO-1</u> ;	<u> 31-16</u>					
U.S. Postal S	Service							IDENTIFICAT	ΓΙΟΝ				
Maintenance (Check	list	WORK CODE			QUIPI ACRO				ASS DDE	NU	MBER	TYPE
			0 3	АР	Р	S			Α	Α	0	0 1	М
Equipment Nomenclature			Equipmer	nt Model				Bulletin File		1	Occurre		•
Automated Packag		essing						mm1	5109			eCBM	
Syster	11												
Part or	Item		Task	Statemer	nt and	Instruc	tion		Est.	Min		Threshold	ls
Component	No	(Comply wit	th all curr	ent sa	fety pre	ecautio	ons)	Time Req	Skill	Run	Pieces	Freq.
									(min)	Lev	Hours	Fed (000)	
										LOV		(000)	
		6. Che	ck door f	or dam	age a	and m	isalig	nment.					
		7. Clos	e debris	bin acc	ess	door.							
		8. At F	SD MCC	clear	fault.								
							l lowe	er access					
								shes and					
								Press the					
		door		ear iaui	ı bull	on ai	ter te	sting each					
		10. Ope	n each S	Shoe Sc	rter l	Plexio	las a	ccess					
								shes and					
								Press the					
		door		ear iaui	t buti	on ar	ter te	sting each					
		11. At F	SD MCC n-button.	; start F	FSD I	oy pre	essing	g start					
		12. Verit	fy all FS[O conve	yors	start.							
		13. Stop	machin	e.									
			iew syste				ensur	e access					
		15. Gen Sup	erate con ervisor a				r and	notify					
		It is reco	ommend	led tha	t 2 p	erson	s pe	rform the					
DISTRIBUTION SUBSYSTEM: FSD	147**		SD accelle recom			erloc	ks oı	n side two	12	09			1
INTERLOCKS SIDE 2		WARNIN or on ec applied. that the precauti and test moving	quipmen Some of the machine ions to perform the performance in the machine ions to perform the machine in the m	t when of the fe be ru	pow ollow nnin hair	ver having to g. Ta g, clot	s bed asks ike hing,	require tools,					
		1. Star	t machin	e (All co	onve	yors a	ınd ca	arrier cells					

2. Open the Shoe Sorter debris bin access door. Observe the Shoe Sorter red stack light

running).

Maintenance Technical Support Center

U.S. Postal S	Service								IDENTIF	FICAT	ION					
Maintenance (Checkl	ist	WORK CODE					MENT NYM			_	ASS DDE	NU	IMBE	R	TYPE
			0 3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature			Equipme	nt Mo	del			<u> </u>	Bulletir	Filer	name		Occurre	ence		
Automated Packaç Syster		essing							r	nm1	5109			e(CBM	
Gyster	11															
Part or	Item		Task	State	ement	and Ir	nstru	ction			Est.	Min		Thre	eshold	S
Component	No	((Comply with	th all	curre	nt safe	ty pr	ecautio	ns)		Time Req	Skill	Run		eces	Freq.
											(min)	Lev	Hours		ed 00)	
														(-	/	
		flasi	hes and a	audi	ble w	varnir	ng b	eeps.								
		4. Obs	erve all f	SD	mod	dules	fror	n Sho	e Sorte	er						
			k to Load													
			vered roll roximate					Statio	ons Will	ı run						
			SD MCC	-				light il	lumina	tes.						
		6. Che	ck door f	or d	ama	ge ar	nd m	nisalig	nment							
		7. Clos	se debris	bin	acce	ess do	oor.									
		8. At F	SD MCC	, cle	ear fa	ault.										
		9. Ope	en each u	n each unstacker side and lower access												
		doo	r, verifyin	g th	e rec	d stac	cklig	ht flas	hes ar	nd						
			ible beep) MCC cl													
		doo		oui	iddit	Date	ii u		July 0	4011						
			en each S													
			r, verifyin													
			ible beep) MCC cl													
		doo							J							
			SD MCC		art F	SD by	y pr	essing	start							
			h-button.													
			fy all FSI		nvey	ors s	start	•								
		13. Stop	o machin	e.												
			riew syste r interloc					ensur	e acce	SS						
			nerate co ervisor a				orde	er and	notify							
		lt is rec task.	ommend	led	that	2 pe	rsoı	ns pei	form t	the						
INDUCTION SUBSYSTEM:	148**	Check i	nductio	n laı	ne ga	ate in	iterl	ocks	on sid	le	13	09				1
INDUCTION LANE		, ,	NG: Be	cau	tious	s whe	en v	vorkii	ng aro	und						
GATE INTERLOCKS SIDE		or on	equipm	ent	wh	nen	роч	ver l	nas b	een						
1			. Some													
			he ma ions to					ning. clothi		āke ols.						
			st equi													

Maintenance rec		. Саррс	11. 0011	.01				DENT	EIO 4 -	FIGN			IIVIO-13	71 10
U.S. Postal S	service						ı	DENTI	FICA ⁻	IION				
Maintenance	Checkl	ist	WORK CODE			QUIPN					ASS DDE	NU	MBER	TYPE
			0 3	A P	Р	S				Α	Α	0	0 1	М
Equipment Nomenclature)		Equipme	nt Model	1	<u> </u>		Bulleti	in File	name	1	Occurre	nce	
Automated Packag	ge Prod	essing							mm1	5109			eCBM	
Syster	m													
Part or	Item		Task	Statement	t and I	Instruct	ion			Est.	Min		Threshold	c
Component	No	,		th all curre				ac)		Time		Run	Pieces	Freq.
Component		(Comply w	illi all curre	iii sai	ety pre	caulioi	15)		Req	Skill	Hours	Fed	rieq.
										(min)	Lev		(000)	
		moving	parts.											
		1. Star	t machir	ne (all co	nvev	ors a	nd ca	rrier c	ells					
			ning).	`	Í									
		2. Pres	ss the Re	equest A	cces	s butt	on ne	the						
		acce	ess gate	. The bu										
		ther	light so	lid.										
		3. Veri	fy the in	duction la	ane s	stops.								
			en gate a nment.	nd checl	k gat	e for	dama	mis-						
				ate oper	n and	l proc	eed to	t						
		gate												
				s 2 throu mi-Auto.		for In	iducti	on lar	nes					
				ite for Se e gate S				ion la	ne					
				eset the gerifying t					nes					
		9. Stop	the AP	PS mach	nine.									
			-	em log a ere repoi		S to e	ensur	е						
				rrective s			and	notify	,					
ADDO 01/0771	4.40**	· .									-		1	
APPS SYSTEM: INDUCTION LANE	149**	two (4).		n lane g	ate i	nterio	ocks	on si	de	13	09			1
GATE INTERLOCKS SIDE 2		or on applied that t precaut	equipn . Some he ma ions to st equi	cautious nent whe of the chine prever pment	hen follo be it ha	pow owing runr air, c	er h task ning. lothii	nas l ks rek ng, te	been quire Take ools	4				
			t machir ning).	ne (all co	nvey	ors a	nd ca	rrier c	ells					
				equest A . The bu										
	İ	acci	ooo yale	. iiie bu	I LOUI	SHOUL	<u>u на</u> з		1.1	1			<u></u>	<u> </u>

Maintenance Checklist

WORK

CODE

Maintenance Technical Support Center

NUMBER

TYPE

CLASS CODE

IDENTIFICATION

EQUIPMENT

ACRONYM

			0 3	A P	Р	S				Α	Α	0	0 1	М
Equipment Nomenclature Automated Packag	ge Proc	essing	Equipme	nt Model				Bulletii		name 5109		Occurre	nce eCBM	
Syster														
Part or	Item		Task	Statemen	t and I	nstruct	ion			Est.	Min		Threshold	s
Component	No	(Comply wi	th all curre	ent safe	ety pre	cautio	ns)		Time Req	Skill	Run	Pieces	Freq.
										(min)	Lev	Hours	Fed (000)	
	<u> </u>												(,,,,)	
		light	solid.											
		3. Veri	fy the inc	duction l	ane s	stops.								
			n gate a alignmen		k gat	e for o	ama	ige or						
		5. Leav	ve that g	ate oper	n and	proce	eed t	o next	•					
		6. Rep				for In	ducti	on lan	ies					
		7. Clos	se the ga press the					ion lar	те					
		8. Clos 3, 2,	se and re , and 1 v						nes					
		9. Stop	the APF	⊃S mach	nine.									
			iew syste locks we			S to e	ensur	е						
			erate co ervisor a				and	notify						
SORTER SUBSYSTEM:	150**	Check r		nce tes	st sta	ition a	3CCE	ss do	or	4	09			1
MAINTENANCE TEST STATION ACCESS DOOR SOLENOID		WARNII	NG: Be o						ınd					
JOLENOID		(Sor	ure syste ter blue : ninated).						le					
		2. Atte	mpt to opess door		Main	tenan	ce Te	est Sta	ation					
			fy that so	olenoid p	oreve	nts do	ors t	from						
		Stat	n SMS, pelecting electing es, then king the N	Mainten clicking	ance Sorte	e, Set l er (to l	Mach highli	nine						
			ne Mainte /DC rota											

Maintenance Te	<u>chnic</u> a	al Suppo	ort Cent	er									N	<u>1M</u> C	<u>D-1</u> 3	31-16
U.S. Postal	Service								IDENTI	FICAT	ION					
Maintenance	Check	list	WORK CODE				QUIP ACRC	MENT NYM			_	ASS DDE	NL	MBE	R	TYPE
			0 3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature			Equipme	nt Mo	del			1	Bulleti				Occurre	ence		
Automated Packag		essing								mm1	5109			еC	CBM	
Syste	m		1						L							
Part or	Item		Task	State	ment	and	Instru	ction			Est.	Min		Thre	eshold	s
Component	No	(Comply wi	th all	curre	nt saf	ety pr	ecautio	ns)		Time		Run		eces	Freq.
											Req (min)	Skill	Hours		ed	
												Lev		(0	00)	
		rota	ary switch in the Access position.													
			•				•			ina						
		7. Clos														
		dooi														
			on the							се						
		the A	Access S	Switc	h in	the	Norn	nal po	sition.							
			ne SMS p													
			ne mode hine Sta							et						
			llight) the													
			erate co			_										
			ervisor a						y							
SORTER	151**										11*	09	1			1
SUBSYSTEM:		recomm	nended,	clos	ed I	оор	sys	em o	nly).							
SORTER GATE INTERLOCKS		WARNII								und						
		or on ed								ro						
		that the							requi	ı C						
		precaut	ions to p	prev	ent	hair	, clo	hing,		,						
		and test		nent	fror	n be	ing	caugh	nt in							
		_	-	/ - !	. مماا	o · ·	0	d	unica -	ماام						
			t machin ning).	ie (al	II COI	ivey	ors a	ına ca	arrier c	eiis						
			vate one	of th	ne S	orter	· Acc	ess G	ate							
			rlock Swi													

NOTE: Start with a different access gate each time this task is issued and performed. 3. Verify the machine stops. 4. Verify the red lamp on stack lights illuminate. Verify horns sound two sequential tones. 6. Close the Access Gate and check gate for damage and mis-alignment. At SMCC, verify the Clear Fault button

Maintenance Technical Support Center

U.S. Postal S	Service									ID	DENTIF	FICAT	ΓΙΟΝ					
Maintenance	Check	ist		RK DE					MENT NYM	•				ASS DDE	NU	JMBE	R	TYPE
			0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature			Equ	ipmer	nt Mo	del				I	Bulletir	File	name		Occurr	ence		
Automated Packag	_	essing									r	nm1	5109			e(CBM	
Syste	[]]													ļ				
Part or	Item			Task	State	ment	and	Instru	ction				Est.	Min		Thre	eshold	S
Component	No	(Comp	oly wit	h all	curre	nt saf	ety pr	ecautio	ons	s)		Time Req	Skill	Run		eces	Freq.
													(min)		Hours		ed	
														Lev		(0	00)	
		illum	inat	es.														
					cot f	ault	hv n	rocc	ina th		Clea	r						
		Faul			3611	auit	ру Р	1633	iiig iii	ıc	Cicai							
					artin	n ma	chir	ο re	neat	ct	tep 2	and						
									nd So			ana						
		Acc																
		10. Rev	iew :	syste	em fa	ault	log a	t the	SMS	S t	o ens	ure						
											he No							
									pane ch int		o disp	lay						
		repo							CITIII	ıeı	HOCK							
		11. Gen	erat	e co	rrect	ive v	vork	orde	er and	d r	notify							
		Sup									,							
		*Multipl																
		It is rec	omn	nenc	led 1	that	2 pe	erso	ıs pe	erf	orm t	the						
														ļ .				
IMAGE AARS: TOP	152	Replace perform								d E	Bulb	and	120	09				104
SIDE 1		WARNII cool bet Illumina	fore	perf	orm	ing						to						
		WARNII working frame m	on	the	belt	, wo	rk b	etwe	en th	ne	tunn	el						

NOTE: It is recommended that two persons
perform the Gain Table Adjustment to avoid the
necessity of relocating the monitor while

minimize risk of falling. Failure to comply may

WARNING: Lock out the FSD-MCC following local lockout/restore procedures to prevent

CAUTION: Before performing any Top Camera Illumination Module procedures, place cardboard over the belts to prevent footprints and/or debris from collecting on belt surfaces. Debris on belts may cause reduced address

result in personal injury or death.

startup of the AARS belts.

recognition performance.

U.S. Postal S	Service							IDENTIFIC	CATION					
Maintenance	Check	list	WORK CODE			QUIPI	MENT NYM			ASS DDE	NU	IMBE	R	TYPE
			0 3	A P	Р	S			А	Α	0	0	1	М
Equipment Nomenclature			Equipme	nt Model			1	Bulletin F	ilename		Occurre	ence		
Automated Packag		essing						mı	m15109			еC	ВМ	
Syster	m													
Part or	Item		Task	Statement	and I	nstruc	tion		Est.	Min		Thres	shold	S
Component	No		(Comply wi	th all curre	nt safe	ety pre	ecautio	ns)	Time		Run	Pied	ces	Freq.
			(· · · · · · · · · · · · · · · · · · ·	200	- 501	۰, ۳۰۰		-/	Req	Skill	Hours	Fe		
									(min)	Lev		(00	00)	
	1	<u> </u>								I		<u> </u>		1
		perform	ing the c	alibratior	٦.									
			k out the											
			cout/resto	re proce	dure	s to	preve	nt AARS	5					
			motion.											
			nove the				•		_					
			four sock e) attachii											
			unting bra		JIIIIII	auoi	. 14100							
			olace coo		(bend	ch re	pair):							
		a.	Remove cover.	screws	he co									
		b.	Disconne the back body. D pigtail ou replacen on the fa body and to conne harness.	of the factor of	is pre ull the If the have near splice	or is								
		C.	Remove	screws	(4) fr	om t	he co	oling fan						
		d.	Vacuum sink fins				s fron	n the hea	at					
		e.	Replace airflow d module.					an						
		perform at least Failure injury. in case of bulb within S CAUTIO touch b	NG: To ge, wear ning this 20 minu to comp Have lead of bulb according Safety Date 100.	protecti procedi ites for I oly may i ather glo breakag ng to ins ata Shee revent b	ive e ure. bulb resul oves le. H struc et. oulb l	eye w Bull to co It in p near land tions breat her t	rear woo is hool dopersorby following the and second kage, han t	w ip se						

Maintenance Technical Support Center

IDENTIFICATION

Maintenance (Checkl	ist	CODE			CRO					DE	INU	INDER	ITPE
			0 3	A P	Р	S				Α	Α	0	0 1	М
Equipment Nomenclature Automated Packaç Syster	ge Proc	essing	Equipmer	nt Model	<u> </u>	L		Bulletin n		name 5109		Occurre	ence eCBM	
·	ſ -													
Part or	Item No			Statement						Est. Time	Min		Threshold	1
Component			(Comply wit	ın all curre	ent safe	ety pre	ecautio	ns)		Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
			se bulb		whe	n illı	umina	ation						
		4. Repreplation MS-Bulb	olace Illun acement -202 Vol. o. Loosen o	nination instructi B Section	ions a on 6.6 crews	are lo 6.2 ti 5 (2)	cated tled S and o	d in the odium pen fro						
			hinged g module.	lass fran	ne of	the i	illumir	nation						
			Loosen h	removal.	•									
			Replace and reas			ay fr	om re	eflector)					
			el unit ho acement.		ith da	ite of	Bulb	and Fa	an					
			nstall the cket, reins 2.					-	I					
		(Sta	form Gair andalone ructions a	Gain Ta	ble Ca	alibr	ation		era					
		Gain Ta	ommend able porti	ion of th	nis tas	sk.								
IMAGE AARS: BOTTOM	153		e Illumina n Gain Ta					Bulb a	and	110	09			104
ILLUMINATION SIDE 1		cool be	NG: Allo fore perf ation Mo	forming					0					
		perform necessit	It is reco the Gain ty of reloo ing the ca	Table A cating the	Adjustr e mor	tmen	t to a	void the	Э					
		asse	nove side embly to dule.											
		the f	nove the four sock e) attachir	et head	cap s	screv	vs (2	on eac	h					

U.S. Postal S	Service								IDENTIFI	CATI	ON					
Maintenance	Check	list	WORK CODE					MENT NYM				ASS DDE	NU	IMBE	R	TYPE
			0 3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	e		Equipme	nt Mod	lel	1		1	Bulletin	Filen	ame	<u>'</u>	Occurre	ence	<u> </u>	
Automated Packag	ge Prod	essing							m	m15	5109			еC	BM	
Syste	m															
Part or	Item		Task	Staten	nent	and In	struc	tion			Est.	Min		Thre	shold	s
Component	No		(Comply wi						ns)		Time	•	Run		ces	Freq.
Component			(Comply W	ur an o	unci	it outo	ty pi	Joudilo	113)		Req	Skill	Hours		ed	r roq.
											(min)	Lev		(00	00)	
		<u> </u>											_			
		mo	unting bra	acket.	•											
		3. Rep	place coo	ling fa	an (l	bencl	h re	pair):								
		a.	Remove cover.	screv	ws ((4) fro	om t	he co	oling far	n						
		<u></u>			منامد			امیدان								
		b.	Disconne the back													
			body. D													
			pigtail ou													
			replacen on the fa						ns							
			body and						tor							
			to conne	ct ne												
		c.	Remove	screv	ws (4) fro	om t	he co	oling far	n.						
		d.	Vacuum sink fins					s fron	n the he	at						
		e.	Replace airflow d module.							-an						
		breaka perforn at least Failure injury. in case of bulb	ING: To p ge, wear ning this t 20 minu to comp Have lea e of bulb accordii Safety Da	prote proc ites fo ly ma ather break ng to	ectiveduceduceduceduceduceduceduceduceduceduc	ve ey ure. oulb t esult ves r e. Ha truct	e w Bull to c t in near	rear was being in the contract of the contract	ow							
		touch l cotton will cau	ON: To poulb with gloves. use bulber is turne	hing oil oit	g oth , tiny	han tains c										
		rep MS Bul		instru B Se	uctio ectio	ons a n 6.6	re lo 5.2 ti	ocated tled S	d in the odium							
		a.	Loosen of hinged g						nt							

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Maintenance Technical Support Center

U.S. Postal S	Service							IDENTI				<u> </u>	70.0	
0.0. i ostai c	J 31 V 100		WORK	ı					10/11		100		MDED	T)/55
Maintenance	Check	list	WORK CODE				MENT DNYM				ASS DE	NU	MBER	TYPE
			0 3	Α	P P	S				Α	Α	0	0 1	М
Equipment Nomenclature			Equipmer	nt Mode	el			Bulletin	n Filer	name		Occurre	nce	
Automated Packag Syster		essing						ı	mm1	5109			eCBM	
Syster														
Part or	Item		Task	Statem	nent and	Instru	ction			Est.	Min		Threshold	ds
Component	No	((Comply wit	th all cu	urrent sa	afety p	recautio	ns)		Time	. Claii	Run	Pieces	Freq.
										Req (min)	Skill	Hours	Fed	
										` ′	Lev		(000)	
			module.											
							مال دما 4							
			Loosen h			pivo	t buib	mount	ing					
			Replace and reas			way f	rom re	eflecto	r)					
			el unit ho		y with o	date o	of Bulb	and F	an					
		repla	acement											
			nstall the cket, reins 2.						n					
			nstall side embly.	e gua	rding t	o low	er can	nera						
		(Sta	form Gair andalone ructions a	Gain	Table	Calib	ration							
			ommend ble porti				ns pe	rform	the					
IMAGE AARS: SEMI-AUTO	154		e Illumin n Gain Ta					Bulb	and	120	09			104
ILLUMINATION SIDE 1		cool be	NG: Allo fore perf ation Mo	formi	ng se				to					
		working frame m minimiz	NG: Falli g on the nembers ze risk of n person	belt, belt, loca	work l ted ov ng. Fa	etwo er th ailure	een the belte to co	e tunr to						
		local lo	NG: Lock ckout/rest	store	proce	dure								

Attachment 2

CAUTION: Before performing any Top Camera Illumination Module procedures, place cardboard over the belts to prevent footprints and/or debris from collecting on belt surfaces. Debris on belts may cause reduced address

NOTE: It is recommended that two persons perform the Gain Table Adjustment to avoid the necessity of relocating the monitor while

recognition performance.

U.S. Postal S	Service						IDENTIFICA	TION				
Maintenance	Check	list	WORK CODE			QUIPMENT CRONYM			ASS DDE	NU	MBER	TYPE
			0 3	A P	Р	S		Α	Α	0	0 1	М
Equipment Nomenclature Automated Packag System	ge Prod	cessing	Equipme	nt Model		, ,	Bulletin File	name 15109	•	Occurre	ence eCBM	l
	1		<u> </u>				I.					
Part or	Item No			Statement				Est.	Min		Threshol	
Component			Comply wi	th all curre	nt safe	ety precaution	ons)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		perform	ing the ca	alibration	า							
		1. Lock lock Auto 2. Ren the side	k out the cout/resto belt mo nove the four sock	INDX-Dore procestion. Illuminate theading the Ill	CC-4 edures tion M cap s	following s to preve Module by screws (2 ation Mod						
			unting bra		4	. 1						
				_		ch repair						
		a.	Remove cover.	screws	(4) fro	om the co						
			the back body. D pigtail ou replacen on the fa body and	of the factor of	empt empt modu does cut w 24 AV	n wiring polug is presto pull the le. If the not have rires near VG splice res to exist						
		C.	Remove	screws	(4) fro	om the co	oling fan.					
			Vacuum sink fins				n the heat					
						nd reasse d be towa	emble. Fan ords the	F				
		perform at least Failure injury. in case of bulb within S CAUTIC touch b	ge, wear ning this 20 minu to comp Have lea of bulb accordin Safety Da DN: To poulb with	protecti proced ites for l ly may lather glo breakaging to ins ata Shee revent b	ive ey ure. bulb t result oves poves pe. Hastruct et. oulb b	to cool d t in perso nearby fo andle and tions cor preakage	vhen not. Allow own. onal or cleanup d dispose ntained , do not					

Maintenance Technical Support Center

IDENTIFICATION

Maintenance (Checkl	list		WORK CODE					PMENT DNYM				ASS DDE	NU	JMBI	ER	TYPE
				0 3		A P	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature Automated Package		essi	ina	Equipm	ent l	Model				Bulle	etin File			Occurr			
System	-	- 501	٦								mm'	15109			е	CBM	
Part or	Item			Tas	k St	atemen	t and	Instru	ction			Est.	Min		Thr	esholo	ls
Component	No		(0	Comply v	with a	all curre	ent sa	fety p	recautio	ons)		Time Req (min)	Skill Lev	Run Hours	F	eces ed 000)	Freq.
		mo	dule	is turn	ed	on.											
		4.	repla	ace Illu acemer 202, Vo	nt in	struct	ions	are l	ocate	d in t	he						
			ł	Loosen ninged module	gla												
				Loosen or bulb				pivo	t bulb	nting							
				Replac			way f	or)									
		5.		el unit h acemer		sing w	ith d	ate d	of Bulb	and	Fan						
		6.		stall th ket, rei 2.							l in						
		7.		ove loc K-DCC		ut and	l rest	tore p	oower	to th	е						
		8.	(Star	orm Gandalone	e G	ain Ta	able	Calib	ration								
				ommer ole por					ns pe	rforn	n the						
IMAGE AARS: LEFT ILLUMINATION	155			Illumi Gain						Bul	b and	100	09				104
SIDE 1		cod	ol bef	IG: All ore pe tion M	rfo	rming				s to							
		per nec	form t	t is reco the Ga y of relo ng the	in T oca	able A	Adjus ne m	stme	nt to a	void	the						
		1.	the fo	ove the our soc attach	cket	head	cap	scre	ws (2	on e	ach						

U.S. Postal S	Service						ENTIFICAT	ION					
Maintenance	Checkl	ist	WORK CODE			QUIPMENT ACRONYM				ASS DE	NU	MBER	TYPE
			0 3	A P	Р	S			Α	Α	0	0 1	М
Equipment Nomenclature	Э		Equipmer	nt Model	1		В	ulletin Filer	name		Occurre	nce	
Automated Packag	-	essing						mm1	5109			eCBN	1
Syster	m												
Part or	Item		Task	Statemen	t and	Instruction			Est.	Min		Thresho	lds
Component	No	(Comply wit	h all curre	ent saf	ety precaution	ons))	Time	. -	Run	Pieces	Freq.
									Req (min)	Skill	Hours	Fed	
									()	Lev		(000)	
		mai	intina bra	okot									
			ınting bra										
		2. Rep	lace coo	ing fan	(ben	ch repair):							
			Remove cover.	screws	(4) fı	rom the co	ng fan						
		c. d.	the back body. Do pigtail ou replacem on the fa body and to conne harness. Remove Vacuum sink fins	of the formation not attempt fan nody, if use a secrews all dust and fan	an if temp mod does cut v 24 AV an w (4) fi and cove	an wiring p plug is pre t to pull th ule. If the s not have wires near WG splice rires to exi rom the co debris from er.							
						lld be towa							
		breakag perform at least Failure injury. in case of bulb	ge, wear ning this 20 minu to comp Have lea of bulb l	protect proced tes for ly may ther glo preakag ng to in	ive e lure. bulb resu oves ge. H	ry in case eye wear v Bulb is h to cool d It in perse nearby fo landle an ctions cor	en :. Allow vn. al cleanup dispose						
		touch b cotton (will cau	ulb with gloves.	anythii Body o to burs	ng ot il, tin	breakage ther than by grains en illumin	thi of (n dirt etc.					
		repla	acement 202, Vol.	instruct	ions	lule Bulb. are locate 6.6.2, titled	d ir	n the					
						s (2) and of the illum							

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Checkl	list		ORK ODE			EQUIP ACRO	PMENT DNYM			ASS DE	NU	IMBE	R	TYPE	
			0	3	A P	Р	S		\perp		Α	Α	0	0	1	М
Equipment Nomenclature Automated Package		essing	Equ	ıipmeı	nt Model				Bulle	etin File			Occurre		.Dr.4	
Syste	-	. 5551119								rnm′	15109			eC	BM	
Part or	Item			Task	Statemer	nt and	Instru	ction			Est.	Min		Thre	shold	s
Component	No		(Com	ply wit	th all curr	ent sa	afety pi	recautio	ns)		Time Req (min)	Skill Lev	Run Hours	Pied Fe	ed	Freq.
		T	mod	dule.												
		b.			nex scre remova		o pivo	t bulb	mou	nting						
		C.			bulb (n semble		way f	rom re	eflect	or)						
		4. Lab		nit ho ment.		vith o	date c	of Bulb	and	Fan						
		bra			module stalling				in							
		(Sta	anda	lone	n Table Gain Ta are inclu	able	Calib									
		It is red Gain Ta	comr	mend	led tha	t 2 p	erso			,						
IMAGE AARS:	156	Replac	e III	ımin	ation M	lodu	le Fa	n and	Bull	b and	100	09				104
RIGHT	100	Perforr							. – uii	uiiU						.54
ILLUMINATION SIDE 1		WARNI cool be Illumin	efore	eperf	forming		_	_	•	s to						
		NOTE: perform necessi perform	n the ity of	Gain reloc	Table cating the	Adju he m	ıstmeı	nt to a	void	the						
		side	four e) att	sock tachir	Illumina set head ng the lacket.	d cap	scre	ach								
		2. Rep	place	; coo	ling fan	(ber	nch re									
		a.	Ren		screws	(4)	from	the co	oling	fan						
		b.	the	back	ect cool of the f o not at	fan if	fplug	is pre	sent	at fan	<u>!</u>					

U.S. Postal S	Service		IDENTIF														
Maintenance (Checkl	ist	7. Creation										ASS DDE	NI	JMBE	R	TYPE
			0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature			Equi	ipmer	nt Mo	del	_	_		Bulletin				Occurr)D. 4	
Automated Packag Syster	•	essing								1	mm1	5109			eC	CBM	
	••		1														
Part or	Item No							Instru				Est.	Min			shold	
Component		((Comp	oly wit	h all	curre	nt saf	ety pr	ecautio	ns)		Time Req	Skill	Run Hours		eces ed	Freq.
												(min)	Lev		(0	00)	
																•	
			 pigtail out of the module. If the original or replacement fan does not have male pins on the fan body, cut wires near old fan body and use a 24 AWG splice connector to connect new fan wires to existing harness. c. Remove screws (4) from the cooling fan. d. Vacuum all dust and debris from the heat sink fins and fan cover. 								oins 1						
		C.	Rem	ove	scre	ews	(4) fı	rom t	he co	oling fa	an.						
									is fron	the h	eat						
			e. Replace cooling fan and reassemble. Fa airflow direction should be towards the module.														
		breakag perform at least Failure injury. in case of bulb															
		CAUTION touch be cotton of will cau module	ulb v glove ise b	with es. ulb	any Bod to b	thin ly oi urst	ig ot I, tin	her i	than t	hin f dirt							
		repl	eplace Illumination Module Bulb. Detailed eplacement instructions are located in the IS-202, Vol. B, Section 6.6.2, titled Sodium ulb.														
			Loosen corner screws (2) and open front hinged glass frame of the illumination module.								ont						
			 Loosen hex screw to pivot bulb mounting for bulb removal. 								ing						
								vay f	rom re	flecto	r)						
			and reassemble. Label unit housing with date of Bulb and Far replacement.								an						

Maintenance Technical Support Center

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U.S. Postal Se	ervice									ID	ENT	IFICA	TION						
Maintenance C	Checkl	ist		DRK DDE					MENT NYM	•				ASS DDE	N	UME	BER	2	TYPE
			0	3	Α	Р	Р	S					Α	Α	0	C)	1	М
Equipment Nomenclature			Equ	ipmeı	nt Mo	del				Е	Bulle	tin File	name	1	Occur	renc	е	I	
Automated Package		essing										mm	15109			6	eCl	ЗМ	
System	1																		
Part or	Item			Task	State	ment	and	Instru	ction				Est.	Min		Th	res	holds	S
Component	No	,							ecautio	one	٠)		Time		Run		Piec		Freq.
Component		(Com	JIY WI	III all	curre	iii sai	ety pi	ecaulii	0115	>)		Req	Skill	Hours		Fe		rieq.
													(min)	Lev			(00	0)	
													1	<u> </u>					
									mour										
			,	rein	stalli	ng tl	he s	crew	s rem	ov	/ed	in							
			step 1. Perform Gain Table calibration for the cam																
			Perform Gain Table calibration for the cam Standalone Gain Table Calibration									mera	l						
			Standalone Gain Table Calibration Standalone Gain Table Calibration nstructions are included in MMO-094-11).																
												•							
		It is rec							ns pe	erfo	orm	the							
		Gain Ta	ble	port	ion (of th	is ta	ask.											
IMAGE AARS: TOP	157	Replace	· IIIu	min	atio	n Ma	odul	e Fa	n and	1 E	Bulk	and	1 120	09					104
ILLUMINATION	107	perform									J 41 K	, u.i.c	120						101
SIDE 2		cool bet	fore	perf	orm	ing					nps	to							
		working frame m minimiz	RNING: Allow sufficient time for lamps of before performing service on the nination Module. RNING: Falling hazard exists. When king on the belt, work between the tunnue members located over the belt to mize risk of falling. Failure to comply relating personal injury or death.																
		WARNII local loc startup CAUTIC Illumina cardboa and/or c	of the order of th	ut/re he A Befo Mo over	stor ARS re p dule the	e pro bel erfo pro belt	oce lts. rmir ced s to	dure ng a ures pre	s to p ny To s, plac vent f	ore op ce foc	evei Car otpr	nt mera ints							

side) attaching the Illumination Module to the mounting bracket.

2. Replace cooling fan (bench repair):

Debris on belts may cause reduced address

lockout/restore procedures to prevent AARS belt

Remove the Illumination Module by removing the four socket head cap screws (2 on each

NOTE: It is recommended that two persons perform the Gain Table Adjustment to avoid the necessity of relocating the monitor while

Lock out the FSD-MCC following local

recognition performance.

performing the calibration.

motion.

U.S. Postal	Service									IDENTIF	FICAT	ION					
Maintenance	Checkl	ist	WOF						MENT NYM				ASS DDE	NU	JMBE	R	TYPE
			0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclatur	е		Equip	men	t Mod	del				Bulletir	n Filer	name	1	Occurr	ence		
Automated Packa Syste	-	essing								r	mm1	5109			еC	CBM	
Dort or	Itom			ack C	Stoto	mont	and I	notr	otion			Eat	N/i-		There	eshold	-
Part or	Item No						and I			,		Est.	Min				
Component			(Comply	y with	n all c	currer	nt safe	ety pr	ecautio	ns)		Time Req	Skill	Run Hours		eces ed	Freq.
												(min)	Lev	riouio			
													LOV		(0	00)	
		c. d.	Discouthe based on the based on the based on the body to corn harned Vacuus sink of Replation of the based of based of based of Safety ON: To bulb we glove use bull of the based of the ba	Inneed to be a compared to compared to be a compared to be a compared to be a compared to b	ect coof the process of the screen of the sc	ooling fatter the reference of the refer	ng far nif prempt modules cut wide AV an wide and cove and and cove and and cove in and co	n windling in to pulle. In not received to be to come	ring plis pre- ull the have have near splice to exist he consistence towa case rear was being he and second than the trains of t	oling fan the h mble. rds the of bull /hen ot. Al own. onal or clea d dispo tained do no hin	m t fan I fan I or obins I ctor eat Fan I ow nup ose I		Lev			00)	
		rep MS	lacem -202, '	ent i	instr	uctio	ons a	are lo	ocated	Detaile d in the Sodiu)						
		a.	MS-202, Vol. B, Section 6.6.2, titled Sodium Bulb.a. Loosen corner screws (2) and open front hinged glass frame of the illumination module.							ont							
		b. Loosen hex screw to pivot bulb mountin							ing		1						

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Checkl	list	WORK CODE			JIPMENT RONYM			ASS DE	NU	MBER	TYPE
			0 3	A P	PS	6		Α	Α	0	0 1	М
Equipment Nomenclature Automated Package		essing	Equipme	nt Model			Bulletin File	name 5109		Occurre	ence eCBI	Л
Syster	-	J J					1111111	3109			CODI	VI
Part or	Item		Task	Statement	and Ins	truction		Est.	Min		Thresho	olds
Component	No	((Comply wi	th all curre	nt safety	precaution	ons)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
			for bulb	removal.								
			Replace and reas		ıb awa	y from r	eflector)					
			el unit ho acement		ith date	of Bulk	and Fan					
			nstall the cket, rein 2.									
		(Sta	form Gai andalone ructions a	Gain Ta	ble Ca	libration						
			ommend able port			erform the						
IMAGE AARS: BOTTOM	158		e Illumin n Gain Ta				d Bulb and	110	09			104
ILLUMINATION SIDE 2		cool be	NG: Allo fore per ation Mo	forming			lamps to e					
		perform necessi	It is recor the Gair ty of relor ing the c	Table Acating th	djustn e mon	nent to a	avoid the					
		ass	nove side embly to dule.									
		the side	four sock	ket heading the III	cap so	rews (2	removing on each dule to the					
		3. Rep	olace coo	ling fan ((bench							
		a.	Remove cover.	screws	(4) fror	n the co	ooling fan					
			body. D pigtail ou	of the factorial of the	an if plue empt to module	ug is pre pull the. If the	esent at fan					

IDENTIFICATION

Maintenance	Checkl	ist	WORK CODE			_	ASS DDE	NU	MBEF	₹	TYPE				
			0 3	A P	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	е		Equipmer	nt Model			<u> </u>	Bulletin	Filer	name		Occurre	nce		
Automated Packag	_	essing						n	nm1	5109			еC	BM	
Syste	m														
Part or	Item		Task	Statement	t and I	Instru	ction			Est.	Min		Thres	sholds	S
Component	No	(Comply wit	th all curre	nt saf	ety pr	ecautio	ns)		Time		Run	Pied	ces	Freq.
										Req (min)	Skill	Hours	Fe		
										,	Lev		(00	0)	
			on the fa	n hody	cut v	vires	near	old fan							1
			body and												
			to conne		an w	ires	to exis	ting							
			harness.												
		C.	Remove	screws	(4) fr	om t	he co	oling fa	ın.						
		_	Vacuum sink fins				is from	the he	eat						
		e.	Replace	cooling	fan a	and r	easse	mble. F	an						
			airflow di module.	irection	shou	ld be	towa	rds the							
		breakag perform at least Failure injury. in case of bulb	NG: To p ge, wear ning this 20 minu to comp Have lea of bulb l accordir Safety Da	protecti proced tes for l ly may l ther glo breakag ng to ins	vear wood is hold to be designed to										
		touch b cotton (will cau	ON: To produce the produce of the pr	anythir Body oi to burst	ng ot I, tin	her y gr	than t	hin f dirt e							
		repla	lace Illun acement 202, Vol.	instructi	ocated										
			Loosen of hinged goodule.					ont							
			Loosen h			pivo	t bulb	ng							
			Replace and reas			vay f	rom re)							
			el unit ho acement		ith da	ate o	f Bulb	and Fa	an						
		6. Reir	nstall the	module	onto	the	mount	ing							

Maintenance Technical Support Center

U.S. Postal S	Service						IDENT	FICAT	ΓΙΟΝ				
Maintenance	Check	list	WORK CODE			QUIPMENT ACRONYM				ASS DDE	NU	IMBER	TYPE
			0 3	A P	Р	S			Α	Α	0	0 1	М
Equipment Nomenclature Automated Packag System	ge Prod	cessing	Equipmer	nt Model	•		Bullet		name 5109		Occurre	ence eCBI	۷I
Part or	Item		Task	Statemen	t and I	Instruction			Est.	Min		Thresho	olds
Component	No	(Comply wit	th all curre	nt saf	ety precaution	ons)		Time Req	Skill	Run	Pieces	Freq.
									(min)	Lev	Hours	Fed (000)	
										LCV		(000)	
		brac step		stalling t	he s	crews rem	oved i	n					
			nstall side embly.	e guardii	ng to	lower car	nera						
						ration for t	nera						
						Calibration in MMO-0							
			ommend ble port			ersons pe ask.	the						
IMAGE AARS: SEMI-AUTO	159		Illumin Gain Ta			e Fan and nent.	and	120	09			104	
ILLUMINATION SIDE 2		cool be		orming		time for l		to					
		working frame m minimiz	g on the nembers	belt, wo located falling.	rk b l ove Fai	exists. We tween the the below the below the below to continue to	ne tuni t to						
		local lo		store pr	oce	DX-DCC-4 dures to p elts.							
		Illumina cardboa and/or o Debris o	ition Mo ard over debris fr	dule pro the belt om colle may ca	oced ts to ectin use	ng any To ures, plac prevent f ng on belt reduced a	ints ces.						
		perform necessit	the Gain	Table A	Adjus e mo	at two pers stment to a pnitor while	avoid tl	ne					
		1 1 00	cout the	ואטא-ט	CC-/	4 following	ulocal						

90 Attachment 2

lockout/restore procedures to prevent Semi-

2. Remove the Illumination Module by removing the four socket head cap screws (2 on each side) attaching the Illumination Module to the

Auto belt motion.

U.S. Postal S	Service						IDENTIFICA	TION				
Maintenance (Checkl	list	WORK CODE			PMENT ONYM			ASS DDE	NU	IMBER	TYPE
			0 3	A P	P S			Α	Α	0	0 1	М
Equipment Nomenclature	9		Equipmer	nt Model	1 1	<u> </u>	Bulletin File	name		Occurre	ence	1
Automated Packag	ge Prod	essing					mm′	15109			eCBN	1
Syster	m											
Part or	Item		Task	Statement	and Instru	ıction		Est.	Min		Thresho	ds
Component	No	,	Comply wit				ine)	Time		Run	Pieces	Freq.
Component		,	Comply wit	in all curre	iii saiety p	recaulic	1113)	Req	Skill	Hours	Fed	rieq.
								(min)	Lev		(000)	
											` '	
		mou	ınting bra	acket.								
		3. Rep	lace coo	ling fan ((bench r	epair):						
		a.	Remove	screws	(4) from	the co	oling fan					
			cover.									
			Disconne									
							sent at fan	1				
			body. Do				e wiring original or					
							male pins					
			on the fa	n body,	cut wire:	s near	old fan					
							connector					
			to conne harness.		an wires	to exis	sting					
		C.	Remove	screws	(4) from	the co	oling fan.					
			Vacuum sink fins			ris fror	n the heat					
			Replace airflow di module.				emble. Far ords the	ח				
		WARNII	NG: To p	revent i	iniury in	case	of bulb					
		breakag perform at least	ge, wear ning this 20 minu	protecti proced tes for l	ive eye v ure. Bu oulb to o	wear v lb is h cool d	vhen ot. Allow own.					
			to comp				onal or cleanup					
							d dispose					
		of bulb	accordir Safety Da	ng to ins	structio							
		CAUTIC	N: To pi	revent b	ulb bre	akage.	, do not					
		touch b	ulb with gloves.	anythin Body oi	ng other I, tiny g	than t	thin of dirt etc.					
			se bulb is turne		when i	lumin	ation					
		repla		instructi	ons are	locate						
		a	Loosen	corner so	crews (2)	and o	nen front		1	1		

Maintenance Technical Support Center

U.S. Postal S	Service									IDENTIF	FICAT	TION					
Maintenance	Checkl	ist		DRK DDE				QUIP ACRC	MENT NYM				ASS DE	NU	JMBE	R	TYPE
			0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature			Equ	ipmer	nt Mo	odel				Bulletin				Occurr			_
Automated Packaç Systei	-	essing								r	mm1	5109			e(CBM	
		1															
Part or	Item No					ement						Est.	Min			eshold	
Component			(Comp	oly wit	th all	curre	nt saf	ety pr	ecautio	ns)		Time Req	Skill	Run Hours		eces ed	Freq.
												(min)	Lev	1 10013		00)	
	1																
			hing mod		lass	s fran	ne o	f the	illumir	nation							
		b.	Loos for b				w to	pivo	t bulb	mount	ing						
		C.	Rep	lace	bull	b (nu	b av	vay f	rom re	eflector	r)						
		5. Lat	and cel un				th d	ate o	f Bulh	and F	an						
		rep	lacen	nent							an						
		bra							mount s remo	ting oved ir	n						
		7. Re	-			and	rest	ore p	ower	to the							
		(St	andal	one	Gai	n Ta	ble (Calib	ration	ne cam 94-11).							
		It is red	comn	nenc	led	that	2 pe	ersoi		,							
INAACE AADO: LEET	100	Gain T								D II.	I	400	00				404
IMAGE AARS: LEFT ILLUMINATION	160	Replace perform								BUID	and	100	09				104
SIDE 2		WARN cool be Illumin	efore	perf	forn	ning					to						
		NOTE: perform necess perform	the ity of	Gain relo	Tal	ble A	djus e ma	stmer	nt to a	void th	ie						
		the sid	four	sock achir	et h ng tl	nead he III	сар	scre	ws (2	remov on eac ule to t	ch						
		2. Re	place	coo	ling	fan ((ben	ch re	pair):								
		a.	Rem		scr	ews	(4) fı	rom t	he co	oling fa	an						
		b	Disc	onne	ect o	coolii	na fa	n wi	rina pl	ua fror	m						

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the back of the fan if plug is present at fan body. Do not attempt to pull the wiring

U.S. Postal Service						IDENTIFICA ⁻	ΓΙΟΝ					
Maintenance Check	dist	WORK CODE		EQUIF ACRO	MENT DNYM			ASS DE	NL	JMBE	R	TYPE
		0 3	A P	P S			Α	Α	0	0	1	М
Equipment Nomenclature		Equipme	nt Model	1 1	L	Bulletin File	name		Occurre	ence	1	
Automated Package Pro System	cessing					mm1	5109			eC	ВМ	
Dari I ii		-	Otat		-0			N.4"		T :	. 1	
Part or Item No	1		Statement				Est.	Min			shold	
Component	((Comply wi	th all curre	nt safety p	ecautio	ns)	Time Req	Skill	Run Hours		ces ed	Freq.
							(min)	Lev	110015			
								Lev		(00	00)	
	c. d. e. WARNII breakag perform at least Failure injury. in case of bulb within S CAUTIC touch b cotton g will cau module 3. Repl MS- Bulb a. b.	replacen on the fa body and to connect harness. Remove Vacuum sink fins Replace airflow d module. NG: To pose, wearning this 20 minuto comp Have lead of bulb according according se bulb is turned blace Illuracement 202, Volob. Loosen of module. Loosen of module. Replace and reas	nent fan an body, d use a 2 ect new fa screws all dust and fan cooling irection screvent in protection procedutes for la bly may reather globreakaging to instate Sheet anythin Body oil to burst ed on. mination instruction. B, Sect corner so glass franchex screen screen bulb (nusemble.)	does not cut wires 24 AWG an wires 24 AWG an wires 4 AWG and debrace. In the cover of the covero	the co is from easse towar value and control is substantial and control is	connector sting oling fan. In the heat mble. Far rds the of bulb when ot. Allow own. In cleanup dispose tained do not hin of dirt etc. ation Detailed din the Sodium open front mation mounting						

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Checkl	ist	CODE				ACRO	NYM				CO	DE	INU	IVIDER	ITPE
			0 3	A	A P	Р	S					Α	Α	0	0 1	М
Equipment Nomenclature Automated Packaç Syster	ge Prod	essing	Equipmo	ent N	Model	1	1	ı	Bu			name 5109		Occurre	nce eCBM	1
Part or	Item		Tas	k Sta	atement	t and	Instru	ction				Est.	Min		Threshol	ds
Component	No	((Comply v	vith a	all curre	nt saf	ety pr	ecautio	ns)			Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		5. Reir brac step 6. Perf (Sta instr	form Ga andalone ructions ommen	e monsta	alling table of ain Table included	he so calibo ble (ded i	crew ration Calib in MI	s remons on for the ration MO-09	ove ne (cama	era					
IMAGE AARS:	161	Gain Ta	•						_			100	09			104
RIGHT ILLUMINATION SIDE 2		perform WARNII cool be Illumina NOTE: perform necessit perform 1. Ren	NG: Allo fore pe ation Mo It is reco the Gai ty of relo ing the o	rable ow rfor odu omn Table ocatilities	le Adj suffice mingule. nende able A ting the	iustri serv ed tha Adjus e mo	time /ice at two stmer	e for la on the opers opers nt to a	am e ons void	ps to	o					
		side	four soce) attach unting bi	ing	the III											
		2. Rep	lace co	olin	g fan	(ben	ch re	pair):								
		a.	Remove cover.	e sc	crews	(4) fr	om t	he co	olin	ıg fa	n					
			Disconrection Di	k of Do rout of mer an loud and u	the fance the fance of the fanc	emproduced in the second secon	plug t to p ule. s not vires WG s	is pre- bull the If the have near splice	ser e wi oriç ma old cor	nt at iring ginal ile pi fan nnec	fan I or ins					
		C.	Remov	e sc	rews	(4) fr	om t	he co	olin	ıg fa	n.					
			Vacuun sink fins					is fron	n th	e he	eat					

								DEV:=:-:	TICS				
U.S. Postal S	Service							IDENTIFICA	ATION				
Maintenance	Checkl	ist	WORK CODE			QUIPM ACRON				ASS DDE	NU	IMBER	TYPE
			0 3	A P	Р	S			Α	Α	0	0 1	М
Equipment Nomenclature	е		Equipmer	nt Model	1	<u>ı </u>		Bulletin Fil	ename		Occurre	ence	1
Automated Packaç Systei	-	essing						mm	15109			eCBN	Л
	1	I											
Part or	Item No			Statement					Est.	Min		Thresho	
Component		((Comply wit	h all curre	nt saf	ety prec	cautio	ns)	Time Req (min)	Skill	Run Hours	Pieces Fed	Freq.
									(,	Lev		(000)	
			Replace airflow di module.					mble. Fa	n				
		breakage perform at least Failure injury. in case of bulb within SCAUTIC touch be cotton gwill cau	NG: To p ge, wear ning this 20 minu to comp Have lea of bulb I accordir Safety Da DN: To poulb with gloves. I se bulb	protecti proced tes for l ly may l ther glo breakag ng to inst ata Shee revent b anythir Body oi	ive e ure. bulb resu oves je. F struc et. oulb ng ot I, tin	eye we Bulb to cool It in ponearblandle ctions breakther they grain	ear war is holdersooy for and con	p e					
		3. Rep	olace Illun acement -202, Vol.	nination instructi	ons	are loc	cated	d in the					
			Loosen of hinged gmodule.	corner so lass frar	crews	s (2) a f the ill	nd o Iumir	pen front nation					
			Loosen h			pivot b	oulb	mounting					
			Replace and reas			vay fro	m re	eflector)					
			el unit ho acement.		ith da	ate of I	Bulb	and Fan					
		5. Reir	nstall the cket, reins	module									
		(Sta	form Gair Indalone ructions a	Gain Ta	ble C	Calibra	tion	ne camera 94-11).	а				
			ommend ible porti				s per	form the					
FEED	162**	Perform	1 Flicker	Test on	side	e one	FSD)_	10	09	8	1	

Maintenance Technical Support Center IDENTIFICATION

Maintenance	Checkl	ist		ORK ODE				QUIP ACRC	MENT NYM	•				ASS DE	NU	MBE	R	TYPE
			0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature Automated Packag System	ge Proc	essing	Eq	uipme	nt Mo	del	1		•	E		n File mm1	name 5109		Occurre		ВМ	
Part or	Item			Task	State	ment	and	Instru	rtion				Est.	Min		Thre	shold	s
Component	No	(Com	nply wi						ons	s)		Time Req (min)	Skill Lev	Run Hours	Pie Fe	ces ed 00)	Freq.
SUBSYSTEM: PHOTOEYES (ALL MODULES IN FEED SYSTEM) SIDE 1		 Veri prop be a phot Ens secution At the Mac Secution Perf for for for for for for for for for f	quir ck f fy S per interestory ure. ure. Sching tion Mei Mei Mei Mei Mei Mei Mei Mei Mei Mei	FSD SX-4- reflected at the properties of the p	photo 1 photo 1 photo tors. the t to be photo usin tes r ainte toey gerin rdwa em M stics Side tem	nen I ooeye otoe Th op ro oeye g the enan e flic g du re laint - Di 1 ar - Ge	es fo es fo yes e upeflect end a mo e Ma u pu' ce M eker le to conv ena rect nerat	r dar are a per p tor a at the untir inter t the Mode diagral loos eyor nce ed D hoos al Te	nage. nage. nimedohoto nd the lower g har nance Side - Sys beltii - Sys iagn e FSI st - F	d a beyone of the cotton of th	t the re is lowe refle ware Set FSD che eye , etc m stics oto I	to r ctor. is eck						
FEED	163**	Perform	ı Fli	icker	Tes	t on	sid	e tw	FSI	D.			10	09	8			
SUBSYSTEM: PHOTOEYES (ALL MODULES IN FEED SYSTEM) SIDE 2		2. Veri prop be a phot	quip ck f fy S per r aime toey ure	FSD SX-4- reflected at the property of the p	photo photo photo tors. the to to be	oeye otoe Th op re	es fo yes e up eflec ned a	er har are a per petor a at the	nage. nimed photo nd the	er d a ey er	t the re is lowe refle	to r ctor.						
		4. At th	ne S	SMS,	<u>usi</u> n	g the	<u> М</u> а	<u>inte</u> r	<u>anc</u> e) -	Set							

U.S. Postal Service								IDI	ENTIF	FICAT	ION					
Maintenance Checklist		RK DE					PMENT DNYM					ASS DE	NU	JMBE	R	TYPE
	0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature	Equ	ipmeı	nt Mo	del				В	ulletir	Filer	name		Occurre	ence		
Automated Package Processing System									r	mm1	5109			еC	BM	
	1							_								

System	m							
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.
INDUCTION SUBSYSTEM: PHOTOEYES - INDUCT SIDE 1	164**	Sec for mo a. b. 6. Cood ord Perform (4). WARN or on eapplied 1. Che 2. At 1 Ma Sec 3. Perform mo a.	chine States menu put the Side 1 Fotion in Maintenance Mode. If orm photoeye flicker diagnostic to false triggering due to loose photoe unting hardware, conveyor belting, or Menu item Maintenance - System Diagnostics - Directed Diagnostic Expand Side 2 and choose FSD Subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Photoest. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick Test - Pec Flick Test. If or control is a subsystem - General Test - Pec Flick	check ye etc. ics to Eye vork ary. Lanes 9 round hage. Set nduct check ye etc. ics ter d then ds then here are	09	8		

Maintenance Technical Support Center

U.S. Postal S	Service							IDENTIFIC	ATION			•	
Maintenance	Check	list	WORK CODE			QUIP ACRO	MENT NYM			ASS DDE	NU	IMBER	TYPE
			0 3	A P	Р	S			А	Α	0	0 1	М
Equipment Nomenclature Automated Packag		possing	Equipme	nt Model				Bulletin F			Occurre		
System	-	Jessing						mr	n15109			eCBM	
Part or	Item		Task	Stateme	nt and	Instru	ction		Est.	Min		Threshold	ls
Component	No		(Comply wi					ns)	Time		Run	Pieces	Freq.
·						, ,		,	Req (min)	Skill	Hours	Fed (000)	
												(000)	
			expand t						ne				
			view flicke rective ac		esults	s and	take	necessa	ту				
		Mad	he SMS, chine Sta ction in O	tes me	nu pu								
						4		ء اسميين					
			rect issue er and no	_									
INDUCTION SUBSYSTEM:	165**	Perforn (4).	n Flicker	Test o	n sid	le tw	o Indu	ict Lane	s 9	09	8		
PHOTOEYES - INDUCT SIDE 2			NG: Be o quipmen						d				
		1. Che	eck photo	eyes fo	r loos	sene	ss or c	lamage.					
		Mad	he SMS, chine Sta ction in M	ates me	enu p	ut the	Side						
		for t	form pho false trigo unting ha	gering c	lue to	loos	e pho	toeye					
		a.	Select M Diagnos					stics.					
		b.	Expand Induction Test.										
		C.	Choose click Sta		uct la	ne to	be te	sted ther	ı				

click **Stop Test**.

e. Expected results are all zeroes if there are no blockages.

f. Repeat for each Auto Induction lane then expand the Semi Auto lane to perform the flicker test on the Semi Auto lane.

4. Review flicker test results and take necessary

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d. Allow the test to run for ten seconds then

U.S. Postal Service								IDE	NTIF	FICAT	ION					
Maintenance Checklist	CO	RK DE					PMENT DNYM				CLA CO		NL	JMBE	R	TYPE
	0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature	Equ	ipmer	nt Mo	del				Вι	ılletir	Filer	name		Occurre	ence		
Automated Package Processing System									r	mm1	5109			еC	BM	
			ā													

Syster	m					ļ			
Part or	Item		Task Statement and Instruction		Est.	Min		Threshold	s
Component	No	(Comply with all current safety precaution	ons)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
SORTER SUBSYSTEM: PHOTOEYES	166**	5. At the Mace Section or detection of the Mace Substitute of the Ma	ective action. The SMS, using the Maintenance whine States menu put the Side stion in Offline mode. The cect issues or generate corrective and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and notify Supervisor as necessary and the necessary and the Sort system in Maintenance Mode. The sorter Maintenance of the subsect of the supervisor of the superviso	2 Induct ye work essary. t g around en e - Set er to check toeye ng, etc. I ystem - e Rework ng PECs are ct Sorter then Start or three ck he report.	15	09	8	(000)	
		corre 4. At th Mac Sub	ective action. ne SMS, using the Maintenance chine States menu put the Sorte system in Offline Mode. rect issues or generate corrective	e - Set er					

Maintenance Technical Support Center IDENTIFICATION

U.S. Postal S	Service							IDE	NTIFICA [*]	TION						
Maintenance (Checkl	ist	WORK CODE			QUIP	MENT NYM				ASS DE	١	IUN	ИВЕІ	R	TYPE
			0 3	A P	Р	S				Α	Α	0		0	1	М
Equipment Nomenclature			Equipme	nt Model		<u>. </u>		Bu	lletin File	name		Occu	rren	се		
Automated Packag	-	essing							mm′	15109				еC	BM	
Syster	111							1								
Part or	Item		Task	Statement	and I	Instruc	tion			Est.	Min		T	Thres	shold	S
Component	No	(Comply wi	th all curre	nt saf	ety pr	ecautio	ons)		Time Req	Skill	Run		Pie		Freq.
										(min)	Lev	Hour	8	Fe (00		
											LCV			(00	<i>(</i> 0)	
		orde	er and no	tify Supe	ervis	or as	nece	essa	ary.							
	166.1**	Check L	_aser Co	ondition	- Sic	de 1.				3	10	30	0	13	350	
TUNNEL: LASER CONDITION SIDE 1		Evaluate					•									
		be viewe desktop			tion c	clickii	ng the	e cc	rrect							
					, , , ,	۸ ۵-										
		NOTE: If Collection						ata								
			shooting					nal								
		informat														
		1. Log	onto DC	S Secon	ndary	Con	npute	r as	s M2.							
			k on the		•		•									
		TLD	I and Sid g Fullfra	de 1 SLC												
		brigl show cam trans perfo back typir	erve the htness of uld be bladera ages sition to ormance kground ag performera for reference to the state of	f the lase ack to da s, the bar bright pire degrada is purple mance is	er lind ark prockgro nk, reation definite	e. Ti urple ound esulti . If ti k and	ne bad . As to will gong in ne car singu	ckg the rad mei	round ually ra ion or							
		4. Obs line line insp a TL rema	erve the should be appears ect the label alins poo accement	laser linge bright diffuse caser referation. If	e in t and or ve renc sing	crisp ry dir e pla julati	. If the m, cleet te and the terminate the t	ne la an d p erfor	aser & erform							
		5. Clos	se the F u	ıllframev	view	wine	dow.									
		6. Log Del	off of the					Ct	rl-Alt-							
			rect issue er and no	-												
AARS/DCS	166.2**	Check L	aser Co	ndition	- Sic	de 2				3	10	30	0	1.9	350	
TUNNEL: LASER							VII 1	laca	are may		.		-			
CONDITION SIDE 2		Evaluate be viewe		na Sldi one locat												

U.S. Postal Service			IDENTIFICATION											
Maintenance Checklist			WORK CODE								NU	NUMBER		
			0 3	A P	Р	S			А	Α	0	0	1 M	
Equipment Nomenclature			Equipme	nt Model			•	Bulletin F		•	Occurre			
Automated Package Processing System								mr	n15109			eCB	M	
System														
Part or	Item		Task	Statement	and I	nstructior	1		Est.	Min		Thresh	olds	
Component	No	((Comply with all current safety precautions)							Skill	Run	Piece	s Freq.	
										Lev	Hours	Fed		
										Lev		(000)		
		desktop	shortcut											
		Refer to MMO-077-11, APPS Data												
	on Subsystem (DCS) Laser													
Trouble Informa			shooting tion.	intormat	ion f	or addit	ion	aı						
		onto DC	ndarv											
	k on the		•				2							
		I and Sid	de 2 SLC											
		brig shor cam tran perf back typin cam 4. Obsine line insp a TI rem repl 5. Clost 6. Log												
		7. Cor	rect issue er and no	es or ger	nerat	e correc								
APPS SYSTEM:	166.0								10	07	1		2	
COMPUTERS SIDE	100.3	1	ter Fan 8							07				
1		or on ed applied clothing	NG: Be o quipmen . Take p g, tools, in movir	t when precaution and test	powe ons t t equ	er has l o preve	bee ent	en hair,						
		following	ashlight t g enclosu on (case f	ures to ve	erify	cooling	far	1	U					

Maintenance Technical Support Center

IDENTIFICATION

Maintenance Checklist			WORK EQUIPMENT CODE ACRONYM							ASS DDE	NU	NUMBER				
				3	A P	Р	S			$\overline{\rfloor}$	А	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing System			Equip	Equipment Model Bulletin File									Occurre		\	
				mm1							15109		eCBM			
Part or				Task Statement and Instruction							Est.	Min		Thre	shold	3
Component	No		(Comply with all current safety precautions)						Time		Run	Pieces		Freq.		
, 5.15.1.	 		עיקיי -	in the second second procedures of						Req (min)	Skill	Hours	Fe	ed	· ~ 4·	
							لــــــــــــــــــــــــــــــــــــــ	Lev		(000)						
		fans). All computer CPU rear of the computer exceused SAIS which are viewable						e AMD	and							
		Verify the Uninterruptible Power Supply (UPS) in each enclosure does not show any fault indications.								S) in						
		The cer	The center sine wave LED should be lit green indicating good supply power.													
		scale), (Battery be lit. If be replayed)	e three fault lights Overload (unbalanced ale), On Battery (battery with sine wave), or ttery Fail (battery symbol with the X) should not lit. If the Battery Fail LED is lit the battery mus replaced. The Battery Charge Graph (far right) I flash if the battery level falls below the low ttery warning time for the load connected to the PS.								t					
			UPS batteries are locally purchased items due to shelf life. 1. Supervisor's Platform							ue to						
İ		1. Sup														
İ		2. Image Server Enclosure														
İ		3. IP E	Enclosu	ıre	1 (IP1 8	k IP2	?)									
					2 (Singl ual Side				λMD							
İ	5. Set						ure									
		6. FSI	D/DCS	En	nclosure											
İ		7. Image Capture Enclosure														
	Generate corrective work order and notify Supervisor as necessary.															
APPS SYSTEM:		Compu	ter Fa	า 8	UPS C	hec	k on	side	two.		5	07				2
COMPUTERS SIDE 2		or on e applied clothin	quipm I. Take g, tool	ent e pi s, a	autious t when recaution and testing parts	powers to the power to the powe	er ha to pr	as bee event	en t hair	r,						
		followin	g enclo	osu	o check ires to ve ans, pov	erify	cooli	ing far	n							

U.S. Postal S	Service							IDENTIFIC	CATION				
Maintenance (Checkl	list	WORK CODE			QUIPI ACRO				ASS ODE	NU	MBER	TYPE
			0 3	A P	Р	S			А	Α	0	0 1	М
Equipment Nomenclature		_	Equipmer	nt Model	•			Bulletin F			Occurre		
Automated Packaç Syster	-	essing						m	m15109			eCBI	M
Gyster	11												
Part or	Item No			Statemen					Est.	Min		Thresho	
Component	140	(Comply wit	th all curre	ent sat	fety pre	ecautio	ns)	Time Req	Skill	Run Hours	Pieces Fed	Freq.
									(min)			(000)	
												(= 3 - 7	
		rear of the SAIS who Verify the	Il compune composite are volume to the composite of the c	uter exc /iewable rruptible	ept for formal epiter from the second epiter from the second epiter from the second epiter from the second epit fr	or the n the ver S	AME front. upply	and (UPS) ii					
		indicatio											
			ter sine v g good s				be lit	green					
		scale), 0 Battery l be lit. If be repla will flash	e fault lig On Batter Fail (batt the Batte ced. The or if the ba warning t	ry (batte ery sym ery Fail e Battery attery lev	ry wi bol v LED y Cha vel fa	th sin vith th is lit t arge	e wave ie X) siche ba Graphelow the	ve), or should <u>n</u> attery mu n (far rigi ne low	nt)				
		UPS bat shelf life	teries ar	e locally	pur	chase	d iter	ns due t	0				
			nclosure ses the A										
		2. FSD	/DCS Er	nclosure	(Sid	le 2)							
		3. Ima	ge Captu	ire Encl	osure	e (Sid	e 2)						
			ni-Auto Ir			•	•	2)					
		Generat	e correct sor as ne	tive worl	k ord	`		•					
FEED SUBSYSTEM:	167	Monitor side on	motor a	ind gea	rbox	tem	perat	ure on	15	09	1800	1710	0
GEARBOXES SIDE 1		or on ed applied that the precaut and tes moving	-	t when of the fo e be rui prevent nent fro	pow ollov nning hair m be	ver having to g. Ta g, clot eing d	s bee asks ike hing, augh	en require tools, nt in					
		instr mot	ng infra-re rument, cors and goveryors. It	heck the	e ten es or	npera	ture of	of the ing					

U.S. FUSIAI (Service						IDLINIIF	ICATION				
Maintenance	Check	list	WORK CODE			UIPMENT CRONYM			LASS ODE	NU	MBER	TYPE
			0 3	A P	Р :	S		А	Α	0	0 1	М
Equipment Nomenclature Automated Packaç Systel	ge Proc	essing	Equipmer	nt Model				Filename nm15109)	Occurre	nce eCBM	
Dortor	Itom	ı	Tools	Statement	and Inc	atm ration		Est.	Min		Threshol	70
Part or	Item No	,					na)	Time	Min		Pieces	
Component		(Comply wit	in all curre	ili Salei	y precauli	Jils)	Req (min		Run Hours	Fed (000)	Freq.
			access: Load Co		1)							
		b.	Incline C	onveyor	(1)							
		C.	Dosing a	ind Unst	acker	Convey	or (7)					
		d.	Traffic C	ontrol Co	onvey	or (6)						
		e.	Delta Wi	ng Align	er Cor	nveyor (5	5)					
		f.	Metering	Convey	or (4)							
		2. Reir	nstall cov	ers as n	ecess	ary.						
		Con	ord meas npare cui vious che	rrent res								
		com tem	ate action ponents perature. notify Su	exhibitin Genera	ig exce ate cor	essive o rective v	perating work ord					
FEED SUBSYSTEM:	168	Monitor side two		ınd gear	box t	emperat	ture on	15	09	1800	17100)
GEARBOXES SIDE 2		or on ed applied, that the precaut	NG: Be of quipment. Some of machin ions to put tequipments.	t when of the fo e be run orevent	power bllowin nning. hair, c	has being tasks Take clothing	en s requir , tools,	е				
		instr moto conv gain	ng infra-re rument, cors and coveyors. In access:	check the gearboxe Remove	e temp es on t cover	erature he follov	of the ving					
		a.	Load Co	nveyor (1)					1		

104 Attachment 2

b. Incline Conveyor (1)

f.

c. Dosing and Unstacker Conveyor (7)

Delta Wing Aligner Conveyor (5)

d. Traffic Control Conveyor (6)

Metering Conveyor (4)

Maintenance re	CHIHICA	i Suppi	אונ כ	יכוונ	.CI										I.	VIIVIC	J- 1 C	71-10
U.S. Postal	Service									IDI	ENTI	FICAT	ΓΙΟΝ					
Maintenance	Checkl	ist	_	RK DE					PMENT DNYM				_	ASS DDE	N	JMBE	R	TYPE
	in most Nomes plating					Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature	uipment Nomenclature				nt Mo	del				В	ulletir	r File	name		Occurr	ence		
Automated Packa Syste	-	essing									ı	mm1	5109			еC	ВМ	
Part or	Item			Task	State	ement	and	Instru	ction				Est.	Min		Thre	shold	S

System	1						
Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	1
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
						,	
		Reinstall covers as necessary.					
		 Record measurements in SMS log book. Compare current results with results from previous checks. 					
		 Initiate action to investigate and correct components exhibiting excessive operating temperature. Generate corrective work order and notify Supervisor as necessary. 					
FEED SUBSYSTEM:	169	Monitor tunnel motor and gearbox temperature on side one.	4	09	1800	17100	
GEARBOXES SIDE		WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts.					
		Remove guarding as necessary					
		Using infra-red temperature measurement instrument, check the temperature of the motors and gearboxes on the following conveyors.					
		a. AARS DCX 1-1					
		b. AARS DCX 1-2					
		c. AARS DCX 1-3					
		d. AARS DCX 2-2					
		 Record measurements in SMS log book. Compare current results with results from previous checks. 					
		4. Replace any removed guarding					
		 Initiate action to investigate and correct components exhibiting excessive operating temperature. Generate corrective work order and notify Supervisor as necessary. 					
FEED SUBSYSTEM:	170	Monitor tunnel motor and gearbox temperature on side two.	4	09	1800	17100	
GEARBOXES SIDE		WARNING: Be cautious when working around					

Maintenance Technical Support Center IDENTIFICATION

3.3. i ootai (23,1,00										. 0, 1						
Maintenance	Check	list	WORK CODE					MENT NYM					ASS DE	NUI	MBER	₹	TYPE
			0 3		A P	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature Automated Packaç Systei	ge Prod	cessing	Equipm	ent	Model	•		•	Bu			name 5109		Occurre	nce eCl	вм	
Part or	Item		Tas	k St	tatemer	nt and	Instru	ction				Est.	Min		Thres	holds	3
Component	No	((Comply v	vith	all curre	ent sa	ety p	recautio	ns)			Time Req (min)	Skill Lev	Run Hours	Piec Fed (000	d	Freq.
2			Some machi ions to tequip	e of ne pr me	f the form the following the following the following as t	ollov nning hair m be	ving g. T , clo eing	tasks ake thing, caugh	too tir	ols, 1	•						
		mot	rument, ors and veyors.														
		a.	AARS I	OC.	X 1-1												
		b.	AARS I	DC.	X 1-2												
		C.	AARS I	DC.	X 1-3												
		d.	AARS I	OC.	X 2-2												
		Con	ord mean npare co vious ch	urre	ent res												
		4. Rep	lace an	y re	emove	ed gu	ardir	ng									
		com tem	ate action ponents perature notify S	s e e. •	xhibiti Gener	ng ex	ces	sive op ctive w	era vork	ating	_						
FSD AND INDUCT SUBSYSTEM:	171	Monitor side on		an	d gea	rbox	tem	perat	ure	on)	28	09	1800	171	100	
GEARBOXES SIDE 1		WARNII or on ecapplied that the precaut and tes moving	quipme . Some machi ions to t equip parts.	nt e of ne pr me	when f the f be ru event ent fro	pow ollov nning hair m be	er h ving g. T , clo eing	as bee tasks ake thing, caugh	en red too	quii ols, 1	re						
		insti mot con requ	ng infra- rument, ors and veyors. uired to	ch ge Re gai	eck the arbox emove in acce	e ten es or e acce ess:	npera the ess o	ature of follow covers	of the ring as	ne							
	1	1 2	an Doa	roc	Inclin	a an	ᅥᆸ	an Sne	had			1	1	1	1		

Maintenance Te	chnica	l Su	ppor	t Cen	ter										Ν	ИМС)-13	31-16
U.S. Postal	Service									IDE	ENTIF	FICAT	ION					
Maintenance	Checkl	ist		WORK CODE				QUIP ACRO	MENT NYM	Bulletin Filename mm15109 Skill Hours Fed (000) Fed (000)		TYPE						
				0 3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature				Equipme	nt Mo	del			,	В					Occurre			
Automated Packag Syste		essir	ng								r	mm1	5109			еC	ВМ	
Part or	Item No				State									Min				
Component			(C	omply w	ith all (curre	nt sat	ety pr	ecautio	ons))		Req	Skill				Freq.
													(min)	Lev		(00	00)	
					(6													
				convey	•	•												
				Sync Mo X2-1 C					gh D)	X1-	-4 ar	nd						
			c. S	Shoe So	orter	Con	veyc	or (1)										
			d. R	Recircul	ation	Cor	nvey	or (1)									
			e. R	Rework	Conv	/eyo	r (1)											
				uto-Ind Inloadii					Load	ling	g and	d						
			g. A	uto-Ind	ductio	n S	ync (Conv	eyor	(6))							
				Semi-Au Convey			tion	Rolle	r Tab	le								
				Semi-Au 2)	ıto In	duct	tion	Codi	ng Co	nv	/eyo	rs						
			j. S	Semi-Au	uto In	duct	tion	Scale	e Con	ve	yor ((1)						
			k. S	Semi-Au	uto S	ynch	roni	zing	Conv	ey	or (1)						
				Semi-Au 1)	uto In	duct	tion	Unlo	ading	C	onve	eyor						
		2.	Reins	stall cov	ers a	as n	eces	sary										
			Comp		rrent													
		4.	Initiat	e actio	n to i	nves	stiga	te co	mpor	ner	nts							

exhibiting excessive operating temperature. Generate corrective work order and notify

Monitor motor and gearbox temperature on

precautions to prevent hair, clothing, tools, and test equipment from being caught in

Using infra-red temperature measurement

WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require

28

09

1800 17100

Supervisor as necessary.

that the machine be running. Take

FSD AND INDUCT

SUBSYSTEM:

GEARBOXES SIDE

172

side two.

moving parts.

CONTROL: POWER

CABINETS SIDE 1

Maintenance Technical Support Center

U.S. Postal	Service								IDENTIFIC	ATION				
Maintenance	Checkl	list		WORK CODE			EQUIP ACRO			_	ASS DDE	NU	MBER	TYPE
				0 3	A	PF	S			Α	Α	0	0 1	М
Equipment Nomenclature				Equipme	nt Mode	ı		1	Bulletin F	ilename		Occurre	nce	L
Automated Packa Syste	-	essi	ng						mn	n15109			eCBM	
Syste	111													
Part or	Item			Task	Stateme	ent an	d Instru	ction		Est.	Min		Threshold	ls
Component	No			(Comply wi	th all cu	rrent s	afety pr	ecautio	ons)	Time Req	Skill	Run	Pieces	Freq.
										(min)	Lev	Hours	Fed (000)	
													(000)	
				rument, c										
				tors and over										
				uired to g				overs	as					
				90 Degre				nh Sne	eed					
			u.	Conveyo		iiio a	110 1119	jii Op (Jou					
			b.	Sync Mo DX2-1 C				igh D	K1-4 and					
			c.	Shoe So	rter Co	onve	yor (1)							
			d.	Recircula	ation C	Conve	eyor (1)						
			e.	Rework	Conve	yor (1)							
			f.	Auto-Ind Unloadir			_	Load	ing and					
			g.	Auto-Ind	uction	Synd	Conv	eyor	(6)					
			h.	Semi-Au Conveyo		uctior	n Rolle	er Tab	le					
			i.	Semi-Au (2)	ıto Indı	uctior	n Codi	ng Co	nveyors					
			j.	Semi-Au	ıto Indi	uction	n Scal	e Con	veyor (1)					
			k.	Semi-Au	ito Syn	nchro	nizing	Conv	eyor (1)					
			l.	Semi-Au (1)	ito Indi	uctior	n Unlo	ading	Conveyo	or				
		2.	Rei	nstall cov	ers as	nece	essary	' .						
		3.	Cor	cord meas mpare cu vious che	rrent re									
		4.	exh Ger	ate action libiting ex nerate co pervisor a	cessiv	e ope	erating rk orde	j temp	erature.					
POWER AND	173	Мо	nito	r compo	nent te	empe	eratur	e on s	side one.	50	09	1800	17100	

108 Attachment 2

WARNING: Be cautious when working around

or on equipment when power has been

WARNING: Steps contained in this bulletin

applied.

U.S. Postal S	Service									ID	ENTIFIC	CATI	ON	•					
Maintenance	Checkl	ist		WORK CODE				QUIP ACRC	MENT NYM					ASS DDE		NUN	ИВЕГ	₹	TYPE
				0 3		A P	Р	S					Α	Α	0)	0	1	М
Equipment Nomenclature				Equipme	ent	Model	•		-	В	Bulletin F				Occi	urrer			
Automated Packag	-	essi	ng								mı	m15	5109				еC	ВМ	
Syste	111			<u> </u>	_														
Part or	Item			Task	k S	tatement	and	Instru	ction				Est.	Min			Thres	sholds	S
Component	No		((Comply w	/ith	all curre	nt saf	ety pr	ecautio	ns	s)		Time	Skill	Rur		Pied		Freq.
													Req (min)	Lev	Hou	rs	Fe		
														LCV			(00	0)	
		Equ Elec app	uipm ctric orop Don	the use nent (PP cal Work riate PP n the appricades a	E) FE	. Refe Plan (EV and ba priate	r to WP) arric EWF	the o	currer O for required	nt re	ments et up	j.							
				ctrical W		•	,												
		2.	Ope	en cabin	et	door													
			inst	ng infra- rument, nponents following	ch s fo	eck the or indic	e ten atior	npera	ature o	of		de							
			a.	Power F	-a	ctor Co	ntro	l Cab	inet (PF	FC)								
			b.	Operato	or (Control	Cab	oinets	s (OC	C))								
				Unloade (UDCC)		Distribu	uted	Conf	rol Ca	abi	inets								
				Feed Si Cabinet					ion M	aiı	n Cont	rol							
				Feed Si Control						ist	ributed	b							
			f.	Automa (ADCC)		Distrib	utec	d Cor	ntrol C	al	binets								
				Discrete Cabinet				Sour	ce of S	Su	pply								
			h.	Inductio	n I	Main C	ontr	ol Ca	binets	s ((IMCC))							
				Semi-A				ibute	ed Cor	ntr	rol								
			j.	Sorter N	Иа	in Cont	rol C	Cabir	et (SI	MC	CC)								
			k.	Ground (GCPU)	С				•		•	ts							
				70 VDC		ower S	upp	ly Ca	binets	s									
		4.		se cabin			• •	-											
				f EWP P															
				ord mea			ts in	SMS	S log l	bo	ok.								

U.S. Postal Service								ID	ENTI	FICAT	ION					
Maintenance Checklist	CO	RK DE					MENT NYM	•			_	ASS DE	NL	JMBE	R	TYPE
	0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing System	Equ	ipmeı	nt Mo	del			•	E	Bulletir I		name 5109		Occurre		ВМ	

Syster	n							
Part or	Item		Task Statement and Instruction	Est.	Min		Thresholds	6
Component	No		(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
			Compare current results with results from revious checks.					
		c te	nitiate action to investigate and correct omponents exhibiting excessive operating emperature. Generate corrective work order nd notify Supervisor as necessary.					
POWER AND	174	Moni	tor component temperature on side two.	50	09	1800	17100	
CONTROL: POWER CABINETS SIDE 2			NING: Be cautious when working around equipment when power has been ed.					
		requi Equi Elect	NING: Steps contained in this bulletin ire the use of Personal Protective oment (PPE). Refer to the current rical Work Plan (EWP) MMO for opriate PPE and barricade requirements.					
		b	on the appropriate EWP PPE and set up arricades as required by the current lectrical Work Plan (EWP) MMO.					
		2. C	pen cabinet door					
		ir C	Ising infra-red temperature measurement nstrument, check the temperature of omponents for indications of hot spots insident ne following cabinets:					
		а	. Power Factor Control Cabinet (PFC)					
		b	. Operator Control Cabinets (OCC)					
		С	 Unloader Distributed Control Cabinets (UDCC) 					
		d	 Feed Singulation Distribution Main Contro Cabinets (FSD-MCC) 	ol				
		е	. Feed Singulation Distribution Distributed Control Cabinets (FSD-DCC)					
		f.	Automatic Distributed Control Cabinets (ADCC)					
		g	. Discrete Distributed Source of Supply Cabinets (DDSS)					
		h	. Induction Main Control Cabinets (IMCC)					
		i.	Semi-Automatic Distributed Control					

U.S. Postal S	Service								IDENTIFIC	CATI	ON					
Maintenance (Check	list	WORK CODE				QUIP	MENT NYM				ASS DDE	NU	MBE	R	TYPE
			0 3	А	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature		_	Equipm	ent M	lodel			•	Bulletin F				Occurre			
Automated Packaç Syster		essing							mı	m15	5109			eC	BM	
								,.	I	_	_			- :		
Part or	Item No				tement				~~)		Est.	Min			shold	
Component			(Comply v	vitri a	ıı curre	nt safe	ety pr	ecautio	ris)		Time Req	Skill	Run Hours	Pie Fe	ces ed	Freq.
											(min)	Lev		(00	00)	
			Cabine	ls (S	SADC	C)										
		j.	Sorter I	,		•	ahin	et (SI	MCC)							
		k.						,	t Cabine	ets						
		ı.	(GCPU		iniai i	1000	, J J J I I	9 01111	Capille							
		I.	70 VDC	Po	wer S	Suppl	у Са	binets	3							
		4. CI	ose cabir	et d	loor											
		5. D	off EWP F	PE.	i											
		C	ecord mea ompare co evious ch	urrei	nt res											
		7. In	itiate actio	n to	inve											
		te	mponents mperature nd notify S	e. G	Genera	ate co	orrec	ctive w	ork orde	er						
FEED SUBSYSTEM: ALL	175		or conve			one	nts 1	for ex	cessive	•	15	09	1800	17	100	
CONVEYORS SIDE 1		or on applie that the preca and te	NING: Be equipme ed. Some machinations to est equipme parts.	nt w of t ne b pre	then the fo e run event	powe ollow nning hair,	er ha ving g. Ta clot	as bed tasks ake thing,	en require tools,							
		ch fo	sing ultra- neck the m llowing co quired to	noto	rs and yors.	d gea Ren	arbox	ces on	the							
		a.	Load C	onve	eyor (1)										
		b.	Incline	Con	veyor	(1)										
		c.	Dosing	and	Unst	acke	r Co	nveyo	or (7)							
		d.	Traffic (Cont	trol Co	onve	yor (6)								
		e.	Delta W	/ing	Align	er Co	onve	yor (5)							
		f.	Meterin	g Co	onvey	or (4	.)									
		2. R	einstall co	vers	s as n	eces	sary									
		3. R	ecord mea	<u>asu</u> r	<u>eme</u> n	ıts in	SMS	S log b	ook.							

U.S. Postal Service								ID	ENTI	FICAT	ION					
Maintenance Checklist	_	RK DE					PMENT DNYM	•			_	ASS DE	NL	JMBE	R	TYPE
	0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing System	Equ	ipmeı	nt Mo	del				В		n Filer mm1	name 5109		Öccurre		ВМ	

Syste	111						
Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
FEED SUBSYSTEM: ALL CONVEYORS SIDE 2	176	Compare current results with results from previous checks. 4. Initiate action to investigate and correct components exhibiting excessive noise. Generate corrective work order and notify Supervisor as necessary. Monitor conveyor components for excessive noise on side two. WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts. 1. Using ultra-sonic measurement instrument, check the motors and gearboxes on the following conveyors. Remove covers as required to gain access: a. Load Conveyor (1) b. Incline Conveyor (1) c. Dosing and Unstacker Conveyor (7) d. Traffic Control Conveyor (6) e. Delta Wing Aligner Conveyor (5) f. Metering Conveyor (4) 2. Reinstall covers as necessary. 3. Record measurements in SMS log book. Compare current results with results from previous checks. 4. Initiate action to investigate and correct components exhibiting excessive noise. Generate corrective work order and notify Supervisor as necessary.	15	09	1800	17100	

Maintenance Technical Support Center													IV	IIVIC	<i>)</i> -13	1-16		
U.S. Postal S	Service									IDI	ENTI	FICAT	ΓΙΟΝ					
Maintenance (Check	list		VORK CODE				QUIP ACRC	MENT NYM					ASS DDE	NU	MBE	R	TYPE
			0		Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature		o o o i o o	E	quipmeı	nt Mod	del				В		n File			Occurre		ו אם י	
Automated Packag Syster	-	essing										1111111	5109			ec	BM	
		1	•	Took	Ctoto	mant	and	Instru	tion				Fot.	Min		Thro	sholds	
Part or Component	Item No		(Cor	nask mply wit						nne'	١.		Est. Time	Min	Run		ces	Freg.
Component			(001	iipiy wii	ar air c	June	in oui	ioty pi	coddiic	5110	')		Req (min)	Skill	Hours		ed	r roq.
													(111111)	Lev		(00	00)	
AARS/DCS TUNNEL: ALL	177	Monito							onent	ts	for		5	09	1800	17	100	
CONVEYORS SIDE		WARN							orkin	· ·	aroi	ınd						
1		or on o	qui	pmen	t wh	en j	pow	er ha	as be	en)							
		applie that th								s re	equi	re						
		precau	ıtior	ns to p	orev	ent	hair	, clo	hing			,						
		and te movin			nent	fror	n be	eing	caugl	ht	in							
			Remove guarding as necessary															
			Remove guarding as necessary Using ultra-sonic measurement instrument,								t.							
		ch	Using ultra-sonic measurement instrument, check the motors, gearboxes, and rollers o the following conveyors:															
		a.	AA	RS D	CX 1	-1												
		b.	AA	RS D	CX 1	-2												
		C.	AA	RS D	CX 1	-3												
		d.	AA	RS D	CX 2	2-1												
		e.	AA	RS D	CX 2	2-2												
		Co	mpa	d meas are cui us che	rrent	res			_									
		4. Re	plac	e any	rem	ove	d gu	ardin	g									
		co Ge	Replace any removed guarding Initiate action to investigate and correct components exhibiting excessive noise. Generate corrective work order and notify Supervisor as necessary.															
AARS/DCS TUNNEL: ALL	178		nitor Tunnel conveyor components for essive noise on side two.										5	09	1800	17	100	
CONVEYORS SIDE 2		WARN or on applie that precau and t movin	ed. Sthe the itior est g pa	quipm Some mades to equiparts.	ent of t chind pre omei	wh the e even	nen folk be t ha	pov owing run air, (n be	ver g tas ning. clothi ing	is k s rec g, to	oeen quire Take ools,							
		1. Re	HOV	re gua	uuiliQ	y as	Hec	cssa	ıy				Ì		1	1		I

U.S. Postal S	Service			IDENTIFICA								ICAT	ION					
Maintenance	Checkl	list		RK DE					MENT NYM				_	ASS DDE	NU	MBE	R	TYPE
			0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature				ipmer	nt Mo	del				Βu	ulletin	Filer	name		Occurre	nce		
Automated Packag		essing	g								r	nm1	5109			e(CBM	
Syster	m																	
Part or	Item			Task	State	ement	and	Instru	ction				Est.	Min		Thre	eshold	S
Component	No		(Comp	oly wit	th all	curre	nt saf	ety pr	ecautio	ns)			Time		Run	Pie	eces	Freq.
·								•					Req (min)	Skill	Hours		ed	·
													()	Lev		(0	00)	
	l	h 1	الدينة ما ما						. 4 . ! 4		1			1		1		1
			Jsing ult heck th															
			he follov					, AC3,	and n	One	513 0	/11						
			. AAR	·		•												
		b		_	_													
					_													
		С																
		d	I. AAR	S D	CX 2	2-1												
		е	. AAR	S D	CX 2	2-2												
		C	Record r Compare revious	e cui	rrent	t res												
		4. R	Replace	any	rem	ove	d gu	ardir	ıg									
		C	nitiate a compone Senerate Supervis	ents e co	exh rrec	ibitin tive v	ig ex work	cess orde	sive no	oise	€.							
FSD AND INDUCT SUBSYSTEM: ALL	179		tor con			omp	one	nts	for ex	ce	ssiv	'e	42	09	1800	17	7100	
CONVEYORS SIDE 1			NING:								arou	nd						

WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts.

- Using ultra-sonic measurement instrument, check the motors, gearboxes, bearings, and rollers on the following conveyors. Remove covers as required to gain access to:
 - a. 90 Degree Incline and High Speed Conveyors (2)
 - b. Sync Module DX1-1 through DX1-4 and DX2-1 Conveyors (5)
 - c. Shoe Sorter Conveyor (1)
 - d. Recirculation Conveyor (1)
 - e. Rework Conveyor (1)
 - f. Auto-Induction 45 Degree Loading and

U.S. Postal S					IDENTIFICAT	TION				
Maintenance		ist	WORK CODE	EQUIPMENT ACRONYM		CL	ASS DDE	NUI	MBER	TYPE
			0 3 A P F	P S		Α	Α	0	0 1	М
Equipment Nomenclature	9		Equipment Model		Bulletin File	name		Occurre	nce	L
Automated Packag	-	essing			mm1	5109			eCBM	
Syste	m									
Part or	Item		Task Statement ar	nd Instruction		Est.	Min		Threshold	s
Component	No	((Comply with all current	safety precautio	ons)	Time	.	Run	Pieces	Freq.
						Req (min)	Skill	Hours	Fed	
						()	Lev		(000)	
			Unloading Conveye	ers (6)						T
				, ,	(6)					
			Auto-Induction Syn	•	` ,					
		h.	Semi-Auto Inductio Conveyor (1)	n Roller Tab	ole					
		i.	Semi-Auto Inductio (2)	n Coding Co	onveyors					
		j.	Semi-Auto Inductio	n Scale Con	veyor (1)					
		k.	Semi-Auto Synchro	nizing Conv	evor (1)					
		l.	Semi-Auto Inductio	•	,					
		O Dail	(1)							
			nstall covers as nec	•						
		Cor	cord measurements npare current result vious checks.							
		exh corr	ate action to investi- ibiting excessive no ective work order a essary.	ise. Genera	ite					
FSD AND INDUCT SUBSYSTEM: ALL	180		r conveyor compo on side two.	nents for ex	cessive	42	09	1800	17100	
CONVEYORS SIDE 2		or on educed that the precaute	NG: Be cautious we quipment when po . Some of the follow machine be runnitions to prevent ha to the equipment from parts.	ower has be owing tasks ing. Take air, clothing	en require , tools,					
		che rolle	ng ultra-sonic meas ck the motors, gear ers on the following ers as required to g	boxes, beari conveyors.	ngs, and Remove					
			90 Degree Incline a Conveyors (2)	and High Spe	eed					
		b.	Sync Module DX1- DX2-1 Conveyors (X1-4 and					

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Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Check	list		WORK CODE										ASS DDE	NU	MB	ER	TYPE
				0 3	\dagger	A P	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature			in -	Equipm	ent	Model	1			В	ulletin				Occurre			
Automated Packa Syste		ess	ıng								n	nm1	5109			е	CBM	
	1	I		<u> </u>	I. C	4-4	4 '	l= -1	_t:				F	NA"		T'		-
Part or	Item No					tatemer				ana'	١		Est. Time	Min	D.v.		eshold	
Component				(Comply v	vi(I)	an curre	eni sa	тету р	ecaulic	رکا اک)		Req (min)	Skill	Run Hours		eces Fed	Freq.
													(·····)	Lev		((000)	
			C.	Shoe S	ort	er Cor	nvey	or (1))									
			d.	Recircu	ılat	ion Co	onve	yor (1	1)									
			e.	Rework	C	onvey	or (1)										
			f.	Auto-In Unload					Load	dinç	g and	l						
			g.	Auto-In	du	ction S	Sync	Con	veyor	(6))							
			h.	Semi-A Convey			ction	Rolle	er Tab	ole								
			i.	Semi-A (2)	uto	Indu	ction	Cod	ing Co	onv	S							
			j.	Semi-A	uto	o Indu	ction	Scal	e Con	ıve	yor (1)						
			k.	Semi-A	uto	Sync	hron	izing	Conv	ey/	or (1))						
			l.	Semi-A (1)		•		_		-	` '							
		2.	Rei	install co	ve	rs as r	nece	ssary	/ .									
		3.	Co	cord mea mpare co vious ch	urr	ent res												
		4.	exh cor	iate actionibiting errective weessary.	XC	essive	nois	e. G	enerat	te	_	r as						
FEED SUBSYSTEM: SHOE SORTER SIDE 1	181	one or app tha pre and	e. ARN on plied at ecau d te oving	ING: Be equipously equ	Shoe Sorter for excessive noise on side NG: Be cautious when working aroun equipment when power has been some of the following tasks require machine be running. Take ions to prevent hair, clothing, toolst equipment from being caught									09	1800	3	3200	
		1.	run me exc		e s ent nois	ound instru se fron	press ment n Sh	sure t to c oe S	level heck f orter.	for Ex	xcess	sive						

Maintenance re	Criffical Suppl	<u>л с</u>	<u> </u>	<u>.Եι</u>										IV	/IIVIC	<u> </u>	31-10
U.S. Postal	Service								IDI	ENTIF	FICAT	TION					
Maintenance	Checklist	_	ORK ODE					TNEMT ONYM				_	ASS DDE	NL	JMBE	R	TYPE
		0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclatur	ie	Equ	iipmer	nt Mc	del				В	Bulletir	ı Filer	name		Occurre	ence		
Automated Packa Syste	•									r	nm1	5109			еC	СВМ	
Part or	Item		Task	State	ment	and	Instru	ction				Est.	Min		Thre	shold	S

Syster	n						
Part or	Item	Task Statement and Instruction	Est.	Min		Thresholds	3
Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
FEED SUBSYSTEM: SHOE SORTER SIDE 2	182	the A-weighted scale. 2. Take measurements along length of conveyor and observe for increases in a particular area, or increases as a particular section of the shoe sorter conveyor passes by. 3. Initiate corrective action as required. Generate corrective work order and notify Supervisor as necessary. Check Shoe Sorter for excessive noise on side two. WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts. 1. With all covers in place and with shoe sorter running, use sound pressure level measurement instrument to check for excessive noise from Shoe Sorter. Excessive noise is equal to or greater than 80 dB using the A-weighted scale. 2. Take measurements along length of conveyor and observe for increases in a particular area or increases as a particular section of the shoe sorter conveyor passes by. 3. Initiate corrective action as required. Generate corrective work order and notify Supervisor as necessary.	3	09	1800	8200	
SORTER SUBSYSTEM: SORTER ASSEMBLY	183	Check for excessive, irregular, or inconsistent noise from sorter train. WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in	10	09	1800	8200	

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Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Checkl	ist		ORK ODE					MENT NYM					ASS DDE	NU	JMBI	ĒR		TYPE
			0	3			Р	S					Α	Α	0	0	1	L	М
Equipment Nomenclature Automated Packag		essing	Eq	uipmei	nt Mode	el				Bu			name 5100		Occurre			1	
System											r	11111	5109			е	CBM	1	
Part or	Item			Task	Statem	ent a	and Ir	nstru	ction				Est.	Min	-	Thr	eshol	ds	1
Component	No		(Corr	nply wi	th all cu	ırrent	t safe	ety pr	ecautic	ons)			Time Req (min)	Skill Lev	Run Hours	F	eces Fed 000)		Freq.
		moving	g pai	rts.															
		1. Atta			ide-foo neasu					Iltra	apro	be							
		2. Sta	irt the	e Sor	ter at	full	spe	ed.											
		the sor me exc	person listening to the train should signal							ry a ⁄el	t a								
		per spo rec act	Using a second employee as a spotter, the person listening to the train should signal spotter for cells of interest. The spotter wirecord candidate cell numbers for correcting action.									the II ve							
		req	uired	d. Ge	tigatio enerat visor a	e cc	orrec	ctive	work										
AARS, DCS AND	184**	Perforr	n a (Calib	ratior	Во	x te	est	on sid	le c	one.	1	45	09					2
FASTSCAN: CALIBRATION BOX SIDE 1		This tes dimens followin Calibra (MMO-	ioning the	ng sys e inst Box (stems ruction Operat	and ns p tion	d Ima provi Inst	age ided truct	Quali in the ions b	ty b Al Julle	oy PPS	8							
		PSN 67 (DIMS, FRB2										ED							
		pro	 Perform the tasks listed in MMO-083-20 to process the two Calibration Boxes through the AARS Tunnel and Semi Auto lane on side 1. 																
		started pause t to any I roller ta this ma	process the two Calibration Boxes throug								lace chai ewo e to	ed in rged ork							
					result correc							O							

U.S. Postal Service

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Maintenance (Check	list	COI						MENT					ASS DE	NU	IMBE	R	TYPE
			0	3	Α	Р	Р	S		T			Α	Α	0	0	1	М
Equipment Nomenclature Automated Packaç Syster	ge Proc	essing	Equip	pmer	nt Mod	del				Bu			name 5109		Occurre		ВМ	
Part or	Item		Т	Task :	State	ment	and I	nstru	ction				Est.	Min		Thre	sholds	3
Component	No	(ecautio	ns)			Time Req (min)	Skill Lev	Run Hours	Pie Fe		Freq.
AARS, DCS AND FASTSCAN: CALIBRATION BOX SIDE 2	185**	NOTE: I issues in Image C Adjustm NOTE: I brightne APPS S Perform This test dimensite following Calibration (MMO-0) PSN 670 (DIMS, NERB2 1. Perform Proceeding AAR Proceeding AAR Proceeding Proceeding Proceeding AI Performance AI	nstructure nstructure	or a action of a laction w spectors new	or continued or co	sary. sary.	ting in ting i	mage MMC ibration by Ramage MMC ibration Both BRAT DEPARTMENT OF THE MARKET BRAT DEPARTMENT DE	e fra PPS Amili E to a ty be ty be a ty be a ty be a ty be a ty be a ty be a ty be a ty be a	wo. 34-1 wo. ong ong ong ong ong ong ong o	the 2. d in ged rk do		09				2	

U.S. FOSIAI Service								IDLINI	IFICA						
Maintenance Checklist	CO					ACRO	MENT NYM				ASS DDE	NL	IMBE	R	TYPE
	0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing	Equi	pmer	nt Mo	odel				Bulle	in File			Occurre		\D.\.4	
System									mm1	15109			eC	ВМ	
Part or Item		Tack	State	ement	and	Inetru	ction			Est.	Min		Thro	shold	c
No							ecautio	ne)		Time		Run		ces	Freq.
Component	Comp	ny wii	ui aii	curre	iii sai	ety pi	ecaulio	115)		Req (min)	Skill	Hours	_	ed	rieq.
										(111111)	Lev		(00	00)	
NOTE: I	netri	ıctio	ne f	or co	rroc	ting	imaga			1	1				
brightnes									-11						
APPS St															
AARS, DCS AND 186** Check s										12	07	1440	6	500	
FASTSCAN: on the D	CS	Sca	le a	nd S	Semi										
SCALES SIDE 1 Lane sc							_								
Perform	the f	ollo	win	g on	the [JCS	Tunne	ie:							
	RNING: 480 volt power must be remove														
	n the FSD to avoid personal injury or d														
	n the FSD to avoid personal injury or de														
OFF							mect		•						
2. Verif	y sc	ale i	s ze	eroed	d with	h no	load.								
WARNIN															
Support															
Failure t		mp	ıy ıı	iay i	esu	IT III	perso	mai ii	ıjury						
3. Che	ck so	cale	acc	urac	v usi	ing a	50 lb	test							
weig	ht by	y pla	acin	g the	wei	ght i	n five	locati							
		` .		_	_		each	_	four						
							it at ea with to		cima	ı					
place															
4. Com	pare	e hig	hes	t and	wol b	est ı	eadin	gs. If	the						
							st is g		r						
than action		מו ע	(U.1	eai u	.) ini	wate	corre	cuve							
5. Rem		the	lock	at F	-SD1	I - N/I C	:C-1 a	nd re	store						
powe		10	.001				Jia	. 14 10							
Perform	the f	follo	wing	g on	the S	Semi	Auto	Induc	tion						
Lane Sc	ale:														
WARNIN									ed						
from the persona									n.						

120 Attachment 2

6. Place the IND1-DCC-4 disconnect in the OFF

position and apply lock.

U.S. Postal S	Service							IDENTIFICA	TION					
Maintenance	Checkl	ist	WORK CODE			UIPMEN			_	ASS DDE	NU	MBER	2	TYPE
			0 3	A P	Р	S			Α	Α	0	0	1	М
Equipment Nomenclature	Э		Equipmer	nt Model	1		1	Bulletin File	name		Occurre	nce	1	
Automated Packaç Systei	_	essing						mm	15109			eCE	ВМ	
Syster	111													
Part or	Item		Task	Statement	and In	struction)		Est.	Min		Thres	holds	3
Component	No	(Comply wit	th all curre	nt safet	y precau	utio	ns)	Time	. •	Run	Piec	es	Freq.
									Req (min)	Skill	Hours	Fed	d	
									()	Lev		(000	0)	
	1	7 Vori	fy scale i	c 70r000	l with	no loo	4			' ' '				'
			•					_						
			NG: Test											
			t test we					ersons. Mal injury	,					
		or deatl	•	.,, .				, , , , ,						
		8. Che	ck scale	accurac	v usin	g a 50	lb	test						
		weig	ght by pla	cing the	weigl	ht in fiv	∕e l	locations						
								of the four						
			ners) and ition. We											
								Compare						
		high	est and I	owest re	ading	s. If th	ne (difference						
			ighest an					1/10 lb						
		,	0 lbs.) ini											
		9. Ren		lock at II	ND1-E	OCC-4	an	d restore						
			erate co ervisor a			order a	nd	notify						
AARS, DCS AND	187**	Check s	scales by	perfor	ming	a Scal	e S	Shift Test	12	07	1440	650	00	
FASTSCAN:			DCS Sca			Auto Ir	ιdι	uction						
SCALES SIDE 2			ale on s											
		Perform	the follo	wing on	the D	CS Tur	nne	el scale:						
		from the	NG: 480 e FSD to celt moti	avoid p				emoved or death						
			e the FS position				ect	in the						
		2. Veri	fy scale i	s zeroed	d with	no loa	d.							
			, NG: Test					unds.						
		Suppor	t test we to comp	ight wit	h add	itional	ĺρ		,					
		weig on the corr loca	he belt (d ners) and	cing the center of record t ight is dis	weigl belt a he we splaye	ht in fivend each eight at with the each eight at each eight at each eight at each eight.	e l ch ea	locations of the four						

U.S. Postal Service

Maintenance Technical Support Center

IDENTIFICATION

Maintenance (Checkl	ist	CODE			ACRO					DE	INU	IVIDER	ITPE
	_	_	0 3	Α	P P	S		_		Α	Α	0	0 1	М
Equipment Nomenclature Automated Packaç Syster	ge Proc	essing	Equipme	nt Mod	el			Bulletin r		name 5109		Occurre	ence eCBM	
Part or	Item		Task	Statem	nent and	d Instru	ction			Est.	Min		Threshold	ls
Component	No	(Comply wi	th all cu	urrent s	afety pr	ecautic	ons)		Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		diffe	nove the	highe (0.10	est and lbs.) i	d lowe nitiate	st is g corre	greater ective						
		Lane Sc WARNII from the	the follo cale: NG: 480 e Semi <i>A</i> al injury	oower nduct	· must t Lane	t be re	emove	d						
		6. Plac		D2-D0	CC-4									
		7. Veri				ith no	load.							
		Support	t test we to comp	eight v	with a	dditic	naĺ p	ersons	s.					
		weig on the corn loca deci high in hi	RNING: Test weight weighs 50 pounds. port test weight with additional persons are to comply may result in personal injust. Check scale accuracy using a 50 lb test weight by placing the weight in five location on the belt (center of belt and each of the formers) and record the weight at each ocation. Weight is displayed with one decimal place (indicating 1/10th lb). Comphighest and lowest readings. If the different highest and lowest is greater than 1/10 lefo.10 lbs.) initiate corrective action.											
		9. Rem	nove the rer.	2-DC(C-4 ar	nd resto	ore							
			Generate corrective work order and notify Supervisor as necessary.											
DISTRIBUTION SUBSYSTEM:	188	Check p	oroximity on on sid			nd ph	otoey	re		15	09	720	3240	
SHOE SORTER SENSORS SIDE 1		WARNIN or on ec	NG: Be d						ınd					

Maintenance rec		ı Ou	pon	CEI	ιιC	1				ıDE	· N I T I I	-10 4 -	FION		IV	IIVIO- I	31-10
U.S. Postal S	Service									IDE	NIII	FICAT					
Maintenance	Checkl	ist		WORK CODE				QUIPN ACRON						ASS DDE	NU	IMBER	TYPE
				0 3	1	A P	Р	S					Α	Α	0	0 1	М
Equipment Nomenclature				quipm	ent	Model				Ві			name		Occurre		
Automated Packa Syste	-	essin	g								ı	mm1	5109			eCBM	
- Oyster	111																
Part or	Item No					tatemen							Est.	Min		Threshold	ls
Component			(Co	omply v	vith	all curre	ent saf	ety pre	cautio	ns)			Time Req	Skill	Run Hours	Pieces Fed	Freq.
													(min)	Lev		(000)	
																` ′	
		appl	ied.														
						DCC-											
						ith loca peratio	•					ent					
			•			rter do			.000	,	.01.						
			•					mity c	onoo	ro	and	ı					
						owing he driv											
		f	or da	mage	ar	nd che											
		r				ecure:											
		a		ivert (ıil)	Cor	nfirm P	roxin	nity S	ensoi	r (c	on to	p					
		k	o. Sl	hoe D	ete	ect Pho	otoey	e (on	botto	m	rail)					
		(. D	-2-2 F	E2	2 (Deb	ris Bi	n Pho	toeye	e)							
		r f	hoto	eyes a mage	at t	owing he tail id ens	end	of the	Sho	e S	Sorte	er					
		a	a. Ze	ero C	ell l	Proxim	nity S	ensor	(on t	top	rai	l)					
		k		roup l ıil)	Det	tect Pr	oxim	ity Se	nsor	(01	n to _l	þ					
		C				nain St		Prox	imity	Se	ensc	or					
		(l. SI	hoe D	ete	ect Pho	otoey	e (Be	low b	ot	tom	rail)					
		5. F	Remo	ve lo	cko	ut fron	n FSI	D1- D	CC-8	3.							
		6. (Close	all Sh	noe	Sorte	r doc	ors.									
						1-MC		rmal/l	Maint	en	anc	е					
						1-DC0		lorma	l/Mai	nte	enar	nce					
		9. F	Place	the F	SD	1-DC n for D	C-8 s					the					
				•		rt butto		,			•						
						e Sort						the					
						e Sort											

U.S. Postal Service								ID	ENTIF	FICAT	ION					
Maintenance Checklist	CO	RK DE					PMENT DNYM				_	ASS DE	NU	JMBE	R	TYPE
	0	3	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing System	Equ	ipmeı	nt Mo	del				Е	Bulletir r		name 5109		Öccurre		ВМ	

Part or Item No Component	Task Statement and Instruction	Est.	Min		There are a least of	
Component	l l				Thresholds	3
	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
DISTRIBUTION SUBSYSTEM: SHOE SORTER SENSORS SIDE 2	proximity sensors. Verify both sensors are triggered once per revolution. 12. Press the Stop button on FSD-DCC-8 to stop the Shoe Sorter. 13. Place the FSD1-DCC-8 Normal/Maintenance switch in the Normal position. 14. Place the FSD1-MCC Normal/Maintenance switch in the Normal position. 15. Generate corrective work order and notify Supervisor as necessary. Check proximity sensor and photoeye condition on side two. WARNING: Be cautious when working around or on equipment when power has been applied. 1. Secure FSD2-DCC-8 with a lockout in accordance with local procedures to prevent unexpected operation of the Shoe Sorter. 2. Open shoe sorter doors 3. Check the following proximity sensors and photoeyes at the drive end of the Shoe Sorter for damage and ensure mounting hardware is secure: a. Divert Confirm Proximity Sensor (on top rail) b. Shoe Detect Photoeye (on bottom rail) c. D-2-2 PE2 (Debris Bin Photoeye) 4. Check the following proximity sensors and photoeyes at the tail end of the Shoe Sorter for damage and ensure mounting hardware is secure: a. Zero Cell Proximity Sensor (on top rail) b. Group Detect Proximity Sensor (on top			720		
1	rail) c. Bottom Chain Stretch Proximity Sensor					

Maintenance Lec	chnica	ıı Suppo	ort C	<u>:ent</u>	er										ľ	VIIN	<u>/IO-</u>	<u> 13</u>	1-16
U.S. Postal S	Service									IDE	ENT	IFICA	ΓΙΟΝ						
Maintenance	Check	list		DRK DDE				QUIP ACRC	MENT NYM					ASS DDE	N	UMI	BER		TYPE
			0	3	Α	Р	Р	S					Α	Α	0	(0	1	М
Equipment Nomenclature			Equ	ıipmeı	nt Mo	del				В	ullet	in File	name		Occurr	enc	се		
Automated Packag		essing										mm1	5109				eCB	M	
Syste	m																		
Part or	Item			Task	State	ment	and	Instru	ction				Est.	Min		Tł	hresh	olds	3
Component	No	(Com	olv wi	th all o	curre	nt sat	fetv pr	ecautic	ons)	1		Time		Run	T 1	Piece	es.	Freq.
,		,		,				, ,		,			Req (min)	Skill	Hours		Fed		
													(111111)	Lev			(000)	
		<u>'</u>	/ - l		-44		:1\						! 	1					
			•	ove b			,												
		d.	Sho	e De	tect	Pho	toey	e (B	elow b	bot	tom	n rail)							
		5. Rem	nove	lock	cout	from	ı FS	D2- [OCC-8	8.									
		6. Clos	e al	l Sho	oe So	ortei	r dod	ors.											
		7. Plac						rmal	/Main	ter	and	ce							
		8. Plac	e th	e FS	D2-I	OCC	C-8 N	Norm	al/Ma	nce									
		swite 9. Plac						elec	or sw	the									
		corre						•	e Soi										
												. 41							
			ipor imity	t for y ser	the Z	Zero s. V	Cel erify	l and both	ng, or Chai sens	n S	Stre	tch							
		12. Pres				utto	n on	FSE	DCC	C-8	to	stop							
		13. Plac				-		lorm		inte	ena	nce							
		14. Plac						rmal ition.		ter	and	се							
		15. Gen Sup		e co sor a					er and	d no	otify	/							
DISTRIBUTION	190**	Check s	hoe	sor	ter o	arri	iage	s on	side	on	e.		54	09	600)	270	0	
SUBSYSTEM:		WARNIN					_					und						_	
SHOE SORTER INTERNALS SIDE 1		or on ecapplied. that the precauti and test moving	quip So mad ions	menome ome chin s to p uipm	t whof the	en e fo run ent	pow bllow nning hair	er having g. Ta , clo	as be tasks ake thing	en s re	equ ools	ire							
		WARNIN applied time wh the next the inst	to ti ile j	he m oggi ction	nach ing t	ine he S carri	for a Shoe iage	a sho e So e ass	ort pe ter to embli	ric o a ies	od c cce us	of ess sing							

U.S. Postal Service

Maintenance Technical Support Center

IDENTIFICATION

Maintenance C	heckl	ist	WO				QUIP ACRO	MENT NYM				ASS DDE	NU	MBE	R	TYPE
Equipment Nomenclature			0	3	A P	Р	S		D. d	lletin File	A	Α	0	0	1	М
Automated Package		essing	Equi	hiiel	nt Model				Dul		name 15109		Occurre		вМ	
System																
Part or Component	Item No	(Statemen				ns)		Est. Time Req (min)	Min Skill Lev	Run Hours	Pie Fe (00	ed	Freq.
		Section Using the require but will reset to enclosuperform	he VI com requ rest ire. I	FD F pute iire a ore Loc	Paramer er syste any E-S 480 VA k out th	ter Tems Stop C to e ma	ool o to be cond the achir	does repower the power to the p	not ere to I 8	d up,						
		CAUTION Back of deficier by repa	the s icies iring	slat in o or i	assemi carriage	olies e ass	. Co semb	rrect ly mo	any ver	/ nent						
		Carriag Assemb pounds damage	oly sl	hou er ti	ld be to ightenii	rque	ed to	40 in	ch	_						
		NOTE: A stopped are oper Assemb All pins carriage this asso problem after jog carriage travel at	afterned, I ly pir shoul s whi embly ging s do	r a fullook as on the full of	ull speed down the body in the body e in a stage not in a stage no	d runne lir ttom raigh n lind a bra ems t slo	n and ne of th of th it line with ake, s will r w spe	the si Maste le Sho e. Not in the co slat or not be eeds a	de de ce e an e an othe wh appas the	doors arriage forter. ny ers, as eel parent ne						
					desired access				Sho	e						
					Sorter is followin				jog	ged,						
		a.	Doi	n PF	PE.											
		b.		n FS sitior	SD1-DC n.	C-8	disco	onnect	t to	Off						
		C.	to t	nned he d ated	enclosure t cable correct \ in the I d Conv	from /FD MS-2	VFD per ir 202, \	Parainstruct /ol; B,	met tion: Se	er Too s ction						

U.S. Postal S	Service			•						IDEN ⁻	ΓIFICA	TION				•	
Maintenance	Checkl	ist	•	WORK CODE				QUIP	MENT NYM				ASS DDE	N	JMBI	ER	TYPE
			ľ	0 3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	9			Equipmer	nt Mod	del	Į.			Bulle	tin File	name	1	Occurr	ence		
Automated Packag	-	essin	g								mm1	15109			е	CBM	
Syster	m																
Part or	Item			Task	Staten	ment	and li	nstrud	ction			Est.	Min		Thr	esholo	ls
Component	No		(0	Comply wit	th all c	currer	nt safe	ety pr	ecautio	ns)		Time	-	Run	Pi	eces	Freq.
												Req (min)	Skill	Hours	F	ed	
												,	Lev		(0	000)	
			d.	Close t	he F	SD1	-DC	C-8	enclo	SIIFA							
						וטטו	DO	0 0	CHOIC	ouic.							
			e.	Doff PF				_									
			f.	Jog the location													
				k out the													
				en severa arriage a						e acc	ess						
				ck chair						mac	۵.						
			misa	alignmer g brush	nt, lad	ck of	f lubi	ricat	ion, d	irt on							
				eck carria					f sprir	igs fo	or						
			forc	eck brake e gauge act shoe lbs.	. For	rce i	requi	ired	to ext	end a	and						
				eck slats dware.	for w	vear	, dar	mage	e, loos	se/mi	ssing						
		9.	Che	ck shoe	s for	dan	nage	and	l wear								
			the	apply ponext seconds	ction,	lock					to						
		11.	Clos	se any s	ide p	ane	ls tha	at w	ere op	ene	d.						
			Para	e Shoe s ameter 1 steps:							VFD						
			a.	Don PF	PE.												
			b.	Turn For				disco	nnect	swit	ch to						
			C.	Open e disconr cable fi	enclos nect t	sure the \	FSI VFD	Para			I						
			d.	Close t	he F	SD1	-DC	C-8	enclo	sure.							
			e.	Turn F	SD1-	DCC	C-8 c	disco	nnect	swit	ch to						

U.S. Postal S	JOI VICE	ļ	_									IFICA			_			
Maintenance (Checkl	ist	WOR COD	=				ACRO	MENT NYM				СО	ASS DDE		MBE		TYPE
_			1	3	Α	Р	Р	S		\prod			Α	Α	0	0	1	М
Equipment Nomenclature Automated Packag Syster	ge Proc	essing	Equip	ner	nt Mc	odel				Bι			name 15109		Occurre		СВМ	
Part or	Item		Ta	sk :	State	emen	t and	Instru	ction		_		Est.	Min		Thre	eshold	S
Component	No	(1	Comply	wit	th all	curre	ent sa	fety pı	ecaut	ions)			Time Req (min)	Skill Lev	Run Hours	F	eces ed 00)	Freq.
			the (NC	pos	sitior	۱ .						Τ		T			
		f.	Doff	PF	ΡĒ.													
		g.	notif	y S	Supe	ervis	or as	s nec	k ord	ıry.								
DISTRIBUTION SUBSYSTEM:	191**	Check s					•						54	09	600	2	700	
SHOE SORTER INTERNALS SIDE 2		WARNIN or on ed applied. that the precauti and test moving WARNIN applied time wh the next the instr Section Using th require but will reset to enclosu perform	quipm Som mach ions to tequiparts NG: 48 to the ile jog t section 4.2 time VFI comp requirestoure. Lo	ende de la como en la	t who of the bear	hen he for the formula to the formula to the state of the state of the state of the formula to t	pow ollow nning hair m be ower for a Shoe riage d in t eyor ter T ems to Stop C to be ma	wer having g. Tay, clower will a shoe asset the Man cool of the achir	as be task: ake thing caug need ort per ter tember MS-20 does e powditior DCC ne wi	een s red s	be doce: '(ol. rati	of ess ing B ion.						
		CAUTIO back of deficien by repai assemb Carriago inch por damage	the sicies i iring d lies. e Assunds.	at n c or r Ca em Ov	ass carri repla irria nbly ver t	iage lacin ge t	blies e ass ng sla thru- buld	e. Co semb ats a bolts be to	orrections or the contraction of	t any over arria the l	y me age Ma o 40	ent e ester 0						
		NOTE: A stopped are oper Assembl All pins s carriages this asse problem.	after and after and after and and and and and and and and and and	ok ok or be ha ma	ull spandown the interior of t	peed wn the e boar a sti not in	d run he lin ttom raigh in line a bra	n and ne of of th nt line e with ake, s	the s Mast ne Sh e. No n the slat, o	side ter C loe S ote a othe or w	doo Carr Sort any ers, thee	riage ter. , as el						

U.S. Postal S	Service							IDENTIF	ICAT	ION				
Maintenance	Check	ist	WORK CODE			QUIPI	MENT NYM				ASS DDE	NU	MBER	TYPE
			0 3	A P	Р	S				Α	Α	0	0 1	М
Equipment Nomenclature	е		Equipmer	nt Model	1 1	i_	I	Bulletin	Filen	ame		Occurre	nce	1
Automated Packag	ge Proc	essing						n	nm1	5109			eCBM	
Syste	m													
Part or	Item		Tack	Statement	and l	netruc	tion			Est.	Min		Threshol	de
	No							>				_		
Component		(Comply wit	n all curre	nt sare	ety pre	ecautio	ns)		Time Req	Skill	Run Hours	Pieces Fed	Freq.
										(min)	Lev		(000)	
													(000)	
		carriage	ging the s do not low spe	tend to b										
		1. Pos	ition the	desired			the S	Shoe						
			ter in the e Shoe S				o be j	ogged,	,					
		perf	orm the f	ollowing	subs									
		a.		Don PPE										
		b.	switch to	Turn FSI Off pos			3 disc	onnect	•					
			and conr tool to th located ii titled Cor	e correc n the MS	le fro t VFI S-202	m VI D pei 2, Vo	FD Pa the in B, S	ramete nstructi ection 4	er ions					
		d.	enclosur	Close the	e FSI	D2-D	CC-8							
		e.	[Doff PPE	≣.									
			desired le Tool.	Jog the S ocation					eter					
			k out the ccordanc						C-8					
			en severa iage asse					access	s to					
		misa	ck chain alignmen g brushe	t, lack of	lubri	icatio	n, dir	t on the	е					
			ck carria nage or lo				sprinç	gs for						
		forc	eck brake e gauge. act shoe lbs.	Force r	equir	red to	exte	nd and	k					
		8. Che	ck slats f	or wear,	dam	nage	loose	e/missi	ng					

			1010	אסר	ı			OLUE	NACNIT				100	N.D.	IMPE	D I	TVDF
Maintenance	Check	list		DRK DDE					MENT				ASS DDE	NU 	IMBE	ĸ	TYPE
			0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature Automated Packag System	ge Prod	essing	Equ	iipmei	nt M	odel			·	Bulle	tin File mm	name 15109		Öccurre		ВМ	
Part or	Item			Task	Stat	ement	and I	nstru	ction			Est.	Min		Thre	shold	s
Component	No	(Comp	oly wi	th al	l curre	nt saf	ety pr	ecautio	ns)		Time Req (min)	Skill Lev	Run Hours	Pie Fe	ces ed 00)	Freq.
		9. Che	ck s	hoes	s for	r dam	nage	and	wear.								
		10. Re-a next at st 11. Clos	applications appli	y povetion, 5. The property side of the property of the prope	wer local de proposition de proposit	and channel ch	jog ti jog ti and s tha as jog orm C-8 (VFD VFD VFD C-8 (he sil con at we agged the f D2-E Par :C-8	noe so tinue i ere ope	ened. the 'ng swite and er too	vFD ch to						
DISTRIBUTION	192**	Check s							essary		on.	30	09	1000	4!	500	
SUBSYSTEM: SHOE SORTER CHAIN SIDE 1		side one WARNII or on ec applied that the precaut and test moving WARNII applied time wh the next the inst Section Using the	e (2 NG: quip Quip So ma ions t equ par NG: to ti ile j ile j t sec ruct 4.2	peoperations title	ple cauth it wo of t e b prev nen VA nact ing of t color co	requitious hen he for e run vent t fror the \$\circ{C}{c} carr cate converse amet	ired who pow bllow nning hair for a Shoe iage I in t eyor er To). en weer having j. Too will will a shoe ass he Manool o	rorking as bee tasks ake thing, caugh need ort per ter to embli MS-202 ual O	g ard requ tool to be riod acce es us 2 Vol pera	ound lire s, of ess sing l. B tion.						

U.S. Postal	Service									IDENTI	IFICAT	TION					
Maintenance	Check	list		ORK ODE				QUIP ACRC	MENT NYM				ASS DDE	NL	JMBE	R	TYPE
			0	3	Α	Р	Р	S		$\overline{\mathbb{L}}$		Α	Α	0	0	1	М
Equipment Nomenclatu				uipme	nt Mo	odel				Bulleti				Occurre			
Automated Packa Syste	-	essing									mm1	15109			eC	-RM	
Part or	Item			Task	State	ement	and	Instru	ction			Est.	Min		Thre	shold	S
Component	No		(Com	ply wi	th all	curre	nt sat	fety pr	ecautio	ns)		Time		Run	-		Freq.
												Req (min)	Skill Lev	Hours			
		reset enclo perfo WARI the Si chain into c	to resure. rming NING: hoe So and so	tore Loc the Use orter sprod	480 k ou follo ext ext wit cket	O VAC ut the owin treme th do t con oor op	C to e ma ig ta e ca oors iditio	the lachines the lacks. In the lacks	DCC 8 ne whe n whe n to e Do no	8 en n mov valua t reac	ving te :h						
		sorte	r is in	mot	ion.			-									
		\	Prepare /FD Pa ollowin	aram	eter	r Too											
		a	a. Do	on Pl	PE.												
		b		ırn F			C-8	disco	onnect	switc	h to						
		C	co to loc	nned the d	ct ca corre	able f ect V the N	rom ′FD p ⁄IS-2	VFD per th 202, \	OCC-8 Paraine inst ol B, ual Op	meter tructio Sectio	ns on						
		c					•		enclos								
		6		ırn F n pos	_	_	C-8	disco	onnect	switc	:h to						
		f	. Do	off PI	PE.												
		C	Open o observa emain	ation	will	occu	ur. <i>F</i>	All oth	ner do								
		t s	While the chasprockersounds	ain er et loc	nteri	ing o	nto a	and le	eaving	g each							
		li a	Observinks shappears	nould s to v	l be wav	unifo er up	ormly and	y leve d dov	el. Cha vn ma	ain wh y indic	hich						
			Observ or soun														
		6. L	ock ou	ut the	e AF	PS o	or FS	3D1-	DCC-8	3 in							

U.S. Postal S	Service									IDENTIF	FICAT	ION			_		
Maintenance	Check	list		ORK ODE		_		QUIPI ACRO					ASS DDE	NU	MBE	R	TYPE
			0		Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature Automated Package		:essina	Eq	luipmei	nt Mc	odel			<u></u> -	Bulletin			$\overline{}$	Occurre		יםי.	
Automated Packag System				_	_		_			r	mm1	5109	_		eC	CBM	
				T- 1	C+	·m	0	nc.	tion		_	F	N 4:		T!	CF.	D
Part or	Item No		(C-					Instruc		ne)	1	Est. Time	Min			eshold	
Component			(Con	nbıλ Mi	aıı all	curre	ııı sal	ely pr	ecautio	л15 <i>)</i>	1	Req	Skill	Run Hours	-	eces	Freq.
			_	_	_	_	_	_	_		_	(min)	Lev	_	(00	00)	
			'CO'r	dance	\//i+l	Lloca	al no	JCC-4	irec				<u>_</u>				
							•			'n cr	į						
				t eac g teet		лОСК	et 10	ıı Del	nt, wor	ııı or	ŀ						
										d screv							
										ub. Tor h pound							
		9. In:	spec		stic F	Pin G	Suide	e mou	unted	to the							
		10. Ch	heck	oil le	evel i	in res	servo	oirs a	and fill	as is not							
		11. Do	•								į						
		12. W the	ith Face of the contract of th	SD1- f posit	ition, the \	, opei	n the	e end	closure	onnect in e and ol cable							
		13. CI	ose	the F	SD1	-DC	C-8 (enclo	sure.		ŀ						
		14. Do	off Pl	PE.							i						
		15. Se	ecure	e all d	loors	s anc	l res	tore	powei	r.	i						
				ate co					er and	d notify	/						
		It is rec task w							ıs peı	rform t	the						
DISTRIBUTION SUBSYSTEM:	193**	Check side tw							prock	cets or	n	30	09	1000	4:	500	
SHOE SORTER CHAIN SIDE 2		WARN or on e applied that th precau and tes moving	equip d. So e ma ution st eq g pa	pmen ome achin as to p quipm rts.	nt wh of th ne be prev nent	hen p he fo e run vent l t fron	powe bllow nning hair, n be	er having to g. Ta g, clot eing d	as bee tasks ake thing, caugh	en requir , tools, ht in	re ,						
		WARN applied time w the nex the ins	d to thile xt se	the m joggi ection	nach ing t n of (hine f the S carri	for a Shoe iage	a sho e Sor e asse	ort per rter to emblic	riod of acces ies usi	f ss ing						

U.S. Postal Serv	vice									IDENTIF	FICAT	TION					
Maintenance Ch	eckli	ist		ORK ODE				QUIPI ACRO					ASS DDE	NL	JMBE	R	TYPE
			0	3	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	Dr.~ ·	000:		ipmer	nt Mc	odel				Bulletin				Occurre		`D\4	
Automated Package F System	L10C	essin	У						ļ	۱ ،	ııım1	5109			eC	CBM	
	tor-			Tori	C+- '	me-	ord.	not-	tion		_	Ear	N 41:		Th.	ob -1 '	
	tem No		100					Instruc	ction ecautio	ne\	İ	Est. Time	Min	D:		eshold eces	
Сотронен			(Com	Pιλ ΜΙ:	uı all	cuite	กเรสโ	ery br	ocautio	110)	İ	Req	Skill	Run Hours	_	eces	Freq.
									_		_	(min)	Lev		(00	00)	
		Usin requ but v rese encle perfo WAF the \$	ion 4.2 ig the V ire con will req t to res osure. orming RNING: Shoe So n and s	FD F npute uire tore Loc the the Use orter	Para er s any 480 k ou follo ext wit	amete yster E-So VAC ut the owing reme	er Toms top of top of top of the mage tastes of the cause	ool d to be cond the l achin sks. ution	loes not power than to ever the when to ever the local control of the lo	not ered u to be 3 en n mov valuate	up, ving te						
		into sorte	or lean er is in	into moti	do ion.	or op	peni	ing w	hile t	he sho	oe						
			Prepare VFD Pa followin	aram	eter	Tool											
			a. Do	on PF	PE.												
				ırn F f pos			C-8 (discc	nnect	switch	h to						
			co to loc	nned the d	ct ca corre	able for ect Vithe M	rom FD p IS-20	VFD per th	ne inst /ol B, s	and meter truction Section peration	ns on						
			d. Cl	ose t	he F	-SD2	2-DC	C-8	enclos	sure.							
				ırn F n pos			C-8 (discc	nnect	switch	h to						
			f. Do	off PF	°E.												
			Open o observa remain	ation	will	occu	ır. A	All oth	ner do								
			While the chasprocker sounds	iin er et loc	nteri	ng or	nto a	and le	eaving	each							
			Observ links sh appear a dry cl	nould s to v	be wave	unifo er up	rmly and	leve d dow	el. Cha vn may	ain wh y indica	nich						

U.S. Postal S		IDENTIFICATION													
Maintenance Checklist				WORK CODE			EQUIP ACRO			ASS DDE	NU	TYPE			
	_	_	_	0 3	A F	P	S			А	Α	0	0	1	М
Equipment Nomenclature		2000:		Equipme	nt Model				Bulletin F			Occurre		СВМ	
Automated Packaç Syster	У						mr	n15109							
													_		
Part or	Item No		_		Stateme					Est. Time	Min			shold	
Component			(Co	omply wi	th all cur	rent sa	afety pr	ecautio	ens)	Req	Skill	Run Hours	Pieces Fed		Freq.
									(min)	Lev	3		00)		
		<u> </u>	<u>C:</u>		-l: '		14) 1		!						
									ual motio ng failure						
				out the	•				· ·	-					
				cout the ordance					U II I						
				ect eac		•			rn, or						
				ing teet			01	,	,						
									d screws						
				h moun e for the											
									to the Ta						
			Spro	cket for	r signs	of da	amage	€.							
			nece	ck oil le essary. arent.											
		11.	Don	PPE.											
			the C	Off posit	tion, op the VFI	en th	ne end	closure	onnect in e and ol cable						
		13.	Close	e the F	SD2-D	CC-8	3 encl	osure.							
		14.	Doff	PPE.											
		15.	Secu	ure all d	loors a	nd re	store	powe	r.						
				mmeno n obse				ns pe	rform the	9					
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		(1)	ni-Auto I ni-Auto I			•										
SORTER	196**		Cell Co					9		(· /	3*	09				1
SUBSYSTEM: CARRIER CELLS, DRIVEN AND NON-	190	This tas	sk is to b titled S	e pe TAY	erform BOL1	ΓΗΑΝ	NDS	-ON (CHEC	K.	3	09				,
DRIVEN		or on e applied that the precau	NG: Be quipmed. Some machinations to et equipments.	nt w of the businesseries	then the fo e run vent	powe Ilowi ning hair,	er ha ing . Ta clot	as bed tasks ake thing,	en requi tools	re						
		openin	NG: Ver g the Ma erving t	ainte	enand	се Те	st S	tatio	n Doo	rs						
		Check the condition of 10% of the carrier cells (driven and non-driven) as follows:														
		Remove any guarding to allow access to the carrier cells														

136 Attachment 2

Jog machine to position carrier cell in

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Maintenance Checklist			WORK CODE			QUIPMEI ACRONYI					ASS DDE	NU	MBER	TYPE
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		Mai	ntenance	Test St	ation	area.								
			ck crossl											
			aration al				·	•						
			ect cross											
			properly secured and not rubbing on carrier saddle.											
			5. Check drive belt for missing teeth or worn pulleys on driving cells.											
		6. Mea												
		cells	cells. Schedule wheel for replacement if less than 98 mm diameter.											
			7. Check drive roller and idler roller for loose mounting brackets.											
			Check upper (.010" per side) and lower (.005" per side) side wheel gap.											
		9. Ens	Ensure cell flags are secure and properly positioned.											
		10. Che	ck MAB	Unit brus	shes	for wea	r a	nd						
			nage.											
		ass	/bolt insp ociated S PECTION	TAYBO	LT H	ANDS-	NC							
			en Carrie	-										
		1. Mor	Monorail drive rollers for proper diameter											
		, ,	(greater than 98mm) and gap behind washer is 5 mm +/- 1 mm (.20" +/04")											
			wer wheel gap (.005" per side or .010" on e side)											
		3. Ser	ervo Amplifier cabling and mounting.											
			lace any carrier ce		sly re	emoved	gu	ardin	g for					
		Generate corrective work order and notify Supervisor as necessary.												
		check a	carrier ce nd ensure al basis.						his					

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Component		(Comply wi	th all cur	rent	satety pr	ecautio	ns)	Req	Skill		Run lours	Pie	ces ed	Freq.
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													(,	
		*Multipl	ied By:	10% C	arrie	er Cell									
CORTER	407**	_					l	!	U	. 00	+				
SORTER SUBSYSTEM:	197**	Check t	ne cond and non					rrier cei	lls 1.1 [*]	09	1	8			
STAYBOLT		[•										
HANDS-ON CHECK			NG: Be					_	ıd						
			quipmen . Some												
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			g the Ma												
		-	rving th	e voltr	er										
		supply.													
			All cells a												
			ing the s	3,											
		adjustm	ents, and	replac	em	ents.									
			nove any	guardi	ng t	to allow	acce	ss to the	е						
		carr	ier cells												
		2. Jog	machine	to pos	itior	n carrie	r cells	in the							
		maii	ntenance	test st	atio	n area	-								
		3. Che	ck carrie	r cell s	tav-	bolt to	ensur	e it is no	ot						
				ck carrier cell stay-bolt to ensure it is not , cracked, or showing signs of fatigue.											
		4. Che	ck carrie	r cell s	av-	holt ha	II-i∩int	s for							
			essive w				,	0.0.							
			ord the c			•	ال ممال	dictano	_						
			n leading												
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		of th	e MTSC	websit	e).	Note t	he dat	te of any							
			bolts rep												
			et will be					all train							
			th issues acement					his							
			adsheet						n.						
			place any previously removed guarding for carrier cells												
			erate co				er and	notify							
		Sup	ervisor a	s nece						1					

Checkl								ΓIFI						
CHECKI	ist	WORK CODE			QUIPME ACRON					CLA CO		NU	MBER	TYPE
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ge Proc	essing	Equipmer	nt Model				Bulle					Occurre		
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	*Multipl	ied By: 1	10% Ca	rrier	Cell									
198**	warner. Warnin or on ec applied. that the precaut and test moving Visually	NG: Be of quipment. Some of machino ions to perform parts.	eautious t when of the for e be rui orevent nent fro	s whe power ollow nning hair, m be	en wor er has ving ta g. Tak g. cloth ing ca	king bee sks e ing, ugh	g arcen requ tool tin	our uire	nd e	0.03*	09	8		
	carri carri pass 2. Che	ier cell tra ier cell st s by. Obs ck carrie	ain and ay-bolt serve fo r cell St	visua and b or obv ay-Bo	ally che pall-joir vious si olt to e	eck e nt as igns nsur	each the of fa	cel ailu s n	re.					
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199**	Sort Ac	curacy S	System	Valid	dation	Tes	t Sic	le '	1	45	10	1800		
	Improve laser brig system i 1. At th Subs 2. Perf diag carri for u	ment Sys ghtness I s function ne SMS of system in orm the Of nostic ar ier cells were	stem is of has not ning. computed Mainte Carrier (and write which page 5 System	calibr degra er, pu enanc Cell E dowr ass a n Vali	rated paded, and the Scenario Modern Relt He not are idention	orte le. alth umb acc Tes	erly, the direction of	cte of t	d wo					
	Item No	*Multipl *Multipl 198** Check s sorter. WARNII or on ed applied. that the precaut and test moving Visually cells (dri 1. From carri carri pass 2. Che bent fatig 3. Che for ed 4. Gen Sup *Multipl 199** Sort Ac The follo Improve laser bri system i 1. At the Sub 2. Perf diag carri for the service of the service of the sub-	Task (Comply with No Task (Comply with No	*Multiplied By: 10% Car *Multiplied By: 10% Car *Multiplied By: 10% Car *Multiplied By: 10% Car *Maring: Be cautious or on equipment when applied. Some of the fethat the machine be run precautions to prevent and test equipment from moving parts. Visually check the conditicells (driven and non-driving the carrier cell train and carrier cell stay-bolt apass by. Observe for 2. Check carrier cell Stay-bolt apass by. Obser	*Multiplied By: 10% Carrier 198** Check stay-bolts and ball-journal sorter. WARNING: Be cautious whoor on equipment when power applied. Some of the follow that the machine be running precautions to prevent hair and test equipment from be moving parts. Visually check the condition of cells (driven and non-driven): 1. From a stationary position carrier cell train and visual carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. Observe for obvector of the carrier cell stay-bolt and the pass by. 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WARNING: Be cautious when working arour or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts. Visually check the condition of 100% of the carcells (driven and non-driven) as follows: 1. From a stationary position, jog the sorter carrier cell stay-bolt and ball-joint as the ce pass by. Observe for obvious signs of failute. 2. Check carrier cell Stay-Bolt to ensure it is no bent, cracked, or showing signs of obvious fatigue. 3. Check carrier cell Stay-Bolts and Ball-Joint for excessive wear and play. 4. Generate corrective work order and notify Supervisor as necessary. *Multiplied By: Carrier Cells 199** Sort Accuracy System Validation Test Side The following test will verify the Sort Accuracy Improvement System is calibrated properly, the laser brightness has not degraded, and the system is functioning. 1. At the SMS computer, put the Sorter Subsystem in Maintenance Mode. 2. Perform the Carrier Cell Belt Health directed diagnostic and write down the numbers of the carrier cells which pass and are acceptable for use in the System Validation Test to follows in the System Validation Test to follows.	Processing Faulpment Model Bulletin Filent mm15	Task Statement and Instruction (Comply with all current safety precautions) Est. Time Req (min)	Task Statement and Instruction (Comply with all current safety precautions) *Multiplied By: 10% Carrier Cell 198** Check stay-bolts and ball-joints while jogging sorter. WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts. Visually check the condition of 100% of the carrier cells (driven and non-driven) as follows: 1. From a stationary position, jog the sorter carrier cell train and visually check each carrier cell stay-bolt and ball-joint as the cells pass by. Observe for obvious signs of failure. 2. Check carrier cell Stay-Bolt to ensure it is not bent, cracked, or showing signs of obvious fatigue. 3. Check carrier cell Stay-Bolts and Ball-Joints for excessive wear and play. 4. Generate corrective work order and notify Supervisor as necessary. *Multiplied By: Carrier Cells 199** Sort Accuracy System Validation Test Side 1 The following test will verify the Sort Accuracy Improvement System is calibrated properly, the laser brightness has not degraded, and the system is functioning. 1. At the SMS computer, put the Sorter Subsystem in Maintenance Mode. 2. Perform the Carrier Cell Belt Health directed diagnostic and write down the numbers of two carrier cells which pass and are acceptable for use in the System Validation Test to follow.	Task Statement and Instruction (Comply with all current safety precautions) *Multiplied By: 10% Carrier Cell 198** Check stay-bolts and ball-joints while jogging sorter. WARNING: Be cautious when working around or on equipment when power has been applied. Some of the following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts. Visually check the condition of 100% of the carrier cells (driven and non-driven) as follows: 1. From a stationary position, jog the sorter carrier cell stay-bolt and ball-joint as the cells pass by. Observe for obvious signs of failure. 2. Check carrier cell Stay-Bolt to ensure it is not bent, cracked, or showing signs of obvious fatigue. 3. Check carrier cell Stay-Bolts and Ball-Joints for excessive wear and play. 4. Generate corrective work order and notify Supervisor as necessary. *Multiplied By: Carrier Cells Sort Accuracy System Validation Test Side 1 The following test will verify the Sort Accuracy improvement System is calibrated properly, the laser brightness has not degraded, and the system is functioning. 1. At the SMS computer, put the Sorter Subsystem in Maintenance Mode. 2. Perform the Carrier Cell Belt Health directed diagnostic and write down the numbers of two carrier cells which pass and are acceptable for use in the System Validation Test to follow.	Processing Equipment Model Bulletin Filename mm15109 Cocurrence eCBM

Maintenance Technical Support Center

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				X and Y as pass/fail			natic	nal a	and ar	e no	ot						
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		10.	If th	e test ind	icate	es " T	est	283	Failed	:"t							
			a.	Verify provalidation					f the l	aser							
			b.	Clean Imwindows	_	r Caı	mera	a and	d Lase	er							
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Attachment 2 141

12. If on a single-sided APPS, close the Directed Diagnostics window and use the Maintenance, Set Machine States menu to

Maintenance Checklist

WORK

CODE

Maintenance Technical Support Center

NUMBER

TYPE

CLASS CODE

IDENTIFICATION

EQUIPMENT

ACRONYM

			0 3	Α	P P	S				Α	Α	0	0 1	М
Equipment Nomenclature Automated Packaç Syster	ge Proc	essing	Equipme	ent Mode			•	Bulletir		name 5109		Occurre	eCBM	
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		plac	e the So	orter Si	ubsvste	em in	the C	offline						
		state	e, and re the so	emove	•									
		13. Gen Sup	erate co				and	notify						
SORTER	200**	Sort Ac	curacy	Syster	n Valid	dation	Tes	t Side	2.	10	10	1800		
SUBSYSTEM: SAIS SIDE 2		The test System has not	will ver is calibr	ify the a	Sort Ac	ccurac , the la	y Im aser	proven brightn	nent ness					
		NOTE: 7 with Sor to elimin up steps	t Accura ate the	acy Sys need to	stem V o perfo	alidati	on Te	est Sid	le 1					
		and are	nge the verify th the sam 1 test.	ne Goo	d Cell	and T	est C	ell val	ues					
		2. Click	< Start	Test.										
		NOTE: E	Expecte	d dime	nsions	of the	e bloc	k are:						
		Length =	= 303.5	mm +/-	· 10 mr	m								
		Width =	101.0 n	nm +/-	10 mm									
		Height =	50.5 m	nm +/- 1	0 mm									
		Angle =	90 degr	rees +/-	2 deg	rees								
		Center > used as				onal a	nd ar	e not						
		1. If the	e test is oe displ		ssful, "	Test 2	83 S	uccee	ded"					
		2. If the	e test in	dicates	"Test	283 F	ailed	":						
			Verify p				the l	aser						
			Clean Ir window		Camer	a and	Lase	er						
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Component	No	((Comp	oly wi	th all	curre	nt saf	iety p	recaut	tion	ıs)		Time		Run	Pie	ces	Freq.

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Component Comply with all current safety precautions Fine Ren Ren Ren Fine Ren	Part or		Task Statement and Instruction	Est.	Min	Threshold	s
e. Re-run the test. Replace imager if multiple test failures occur. 3. Close the Directed Diagnostics window and use the Maintenance, Set Machine States menu to place the Sorter Subsystem in the Offline state and remove the Validation Gauge Block from the sorter. 4. Generate corrective work order and notify Supervisor as necessary. SMS COMPUTER: FIRE ALARM RELAY TEST SMR COMPUTER: Other in a security of the substitution of the substitutio	Component	No	(Comply with all current safety precautions)	Req		Fed	Freq.
button to reset the E-Stop circuit. 5. Generate corrective work order and notify	FIRE ALARM	201**	e. Re-run the test. Replace imager if multiple test failures occur. 6. Close the Directed Diagnostics window and use the Maintenance, Set Machine States menu to place the Sorter Subsystem in the Offline state and remove the Validation Gauge Block from the sorter. 6. Generate corrective work order and notify Supervisor as necessary. 6. Generate corrective when working around or on equipment when power has been applied. 7. WARNING: Be cautious when working around or on equipment when power has been applied. 8. MOTE: The APPS is designed to be integrated not the building fire alarm using an alarm set of contacts which are closed when in a non-alarm tate. When the facility fire alarm is triggered, the alarm system should open the contacts of the elay which will cause the APPS Fire Alarm Relay of de-energize. 7. Ouring a facility Fire Alarm Test monitor the APPS of see that the E-Stop loop opens and the fault is exported. 8. Site fire alarm relay is opened (typically during site fire alarm system test or drill). Upon returning to the machine, perform the following steps. 8. Verify the red stacklight is illuminated indicating an E-Stop. 8. Verify RTF 2807 FIRE ALARM ACTIVE is indicated on the SMS. The SMCC Clear Fault pushbutton will be illuminated. 9. Once alarm system relay is reset RTF 2807 should recover, press the SMCC Clear Fault button to reset the E-Stop circuit.		09		26

Maintenance Technical Support Center

Maintenance	Checkl	ist		DDE				ACRO	MEN I NYM					ASS DE	NU	MBER		TYPE
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Automated Packag	_	essing							mm1	15109			еC	ВМ	
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Part or	Item		Task	Statement	and l	Instru	ction			Est.	Min		Thre	shold	S
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		distr	ribution, t	he distril	butio	n pr	ocess	may	be						
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Maintenance Technical Support Center

U.S. Postal	Service										ID	ENTI	FICA	TION						
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Equipment Nomenclature Automated Package		possing	Equ	iipmer	nt Mo	del					E			ename		Occui	rren			
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		1 Form	nat :	a nai	_и сг)_R(N	(Do	nc	nt nr	۵۵	e the	_							

Attachment 2

drive Eject button when complete).

6. Click "Close to read on any computer"7. Check the Protect CD so that it cannot be written to again" box then click OK.

5. Press the Eject button on the drive at this time

4. Archive the Configuration File.

(the CD will not eject).

Archive the **Database**.
 Archive the **Sort Plans**.

U.S. Postal	Service	• •						DENTIFI	CATION						
Maintenance	Check	list	WORK CODE			QUIPM ACRON				CLA	SS DE	NU	IMBE	R	TYPE
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		c.	Date												
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			e this CE						a.						
SYSTEM PRE-	205**	Pre-ope	rational	check o	of sid	de one	Э.		g)	10				D
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Maintenance Technical Support Center

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	rve the ORE sepresent k to ense a test la label prate corvisor a ational G: Be cuipment Some machin parts. turning and per turning and per turning the system rving the induction to the	Task Statement omply with all current rive the FSD Prongle sensor incresent. It to ensure carried to ensure the corrective revisor as necessational check are corrective revisor as necessational check are corrective revisor as necessational check are corrective revisor as necessational check are corrective representational check are prevent equipment from the constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant perform open constant performance constant per	Task Statement and omply with all current sale rive the FSD Photoe ORE sensor indicate present. 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Five to the DCS Primary computer and start	Task Statement and Instruction omply with all current safety precautions) Task Statement and Instruction omply with all current safety precautions) To state the FSD Photoeye screen to verify ORE sensor indicates unblocked with no present. It to ensure canvas is closed and secure. It is a test label from each label printer and label print quality. The corrective work order and notify rivisor as necessary. To state corrective work order and notify rivisor as necessary. To state the following tasks require machine be running. Take the proper thair, clothing, tools, requipment from being caught in parts. To start-up for proper function. 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True SMS system status screen and we system running, walk around system running, walk around system runsual noises. Pay particular tion to conveyor bull noses in the AARS induction areas. To the DCS Primary computer and start	Task Statement and Instruction omply with all current safety precautions) Track Statement and Instruction omply with all current safety precautions) Track Statement and Instruction omply with all current safety precautions) Track Statement and Instruction omply with all current safety precautions) Track Statement and Instruction omply with all current safety precautions) Track Statement and Instruction omply precautions Time Req (min) Skill Run Piec Req (min) Skill Run Piec Req (min) Political Run Piec Req (min) Skill Run Piec Req (min) Skill Run Piec Req (min) Political Run Piec Req (min) Skill Run Piec Req (min) Skill Run Piec Req (min) Fe (min) Skill Run Piec Req (min) Skill Run Piec Req (min) Skill Run Piec Req (min) Fe (min) Skill Run Piec Req (min) Skill Run Pi	Task Statement and Instruction omply with all current safety precautions) To the FSD Photoeye screen to verify ORE sensor indicates unblocked with no present. It to ensure canvas is closed and secure. The security of the sensor indicates unblocked with no present. It to ensure canvas is closed and secure. The security of the sensor indicates unblocked with no present. It to ensure canvas is closed and secure. The security of the security

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on the desktop shortcut.

Supervisor as necessary.

mail present.

Observe the FSD Photoeye screen to verify the KORE sensor indicates unblocked with no

6. Check to ensure canvas is closed and secure.

7. Generate corrective work order and notify

Maintenance	Checkl	ist		ORK ODE				QUIP ACRO	MENT NYM				-	ASS DDE		ΝŪ	MBEI	R	TYPE
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Equipment Nomenclature	е		Equ	ipmer	nt Mo	del	·	<u> </u>		В	Bulletir	ı File	name		Occi	urre	nce		
Automated Packa Syste		essing									r	mm1	15109				еC	BM	
Part or	Item			Task	State	ment	and I	nstru	tion	_			Est.	Min			Thres	shold	S
Component	No	((Comply with all current safety precautions) Time Req Skill Hours Fed (min) Lev Run Pieces Fed (000)									Freq.							
FINAL-CLEANUP	207**	Clean u	р.										1	All					
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								nts, rags, etc., are area.											
		2. Ens	ure a	all ed	ղuipr	nent	cov	ers a	are in I	pla	ace.								
		gene	erate	e a w	ork/	orde	r, pe	er loc	super	P,		and							

IDENTIFICATION

document and initiate corrective maintenance

4. Annotate deficiencies found and repairs performed in the SMS logbook.

activity.

^{* ---} the tasks marked with an asterisk are per unit tasks.

^{** ---} the tasks marked with two asterisks are critical tasks.

ATTACHMENT 3

APPS MASTER CHECKLIST

09-APPS-AA-001-M

Operational Maintenance (Tourly)

Time Total: See Attachment 1

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Check	list		ORK ODE					MENT NYM					ASS DDE	NU	JMBE	R	TYPE
Equipment Nomenclature	۵		0 Fa	9 uipme	A Mod	Р	Р	S		I	Rullat	in File	A	Α	0 Occurre	0	1	М
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		Refer to MMO for requirer	the r ap nen	curr prop ts.	ent E riate	Elec PP	tric E ar	al W	ork P arrica	la ide	n (E	ŴP)						
APPS OPERATIONAL:	2.	Check C							•			•	15	10				Т
OPERATIONAL CHECK		Operation operation operation condition findings	nal i nal (ns to	maint (Non- o supe	enan PM) ervisc	ce o tour	chec : Renme	ks a epor	t least t unsa	t o Ife	nce	per						
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U.S. Postal Service								IDE	ENTIF	FICAT	ION					
Maintenance Checklist		RK DE			_		PMENT DNYM				CLA CO		NU	IMBE	R	TYPE
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Equipment Nomenclature	Equ	ipmeı	nt Mo	del				В	ulletir	n Filer	name	(Occurre	ence		
Automated Package Processing System	Equipme								r	mm1	5109			То	urly	

System	11						
Part or	Item	Task Statement and Instruction	Est.	Min		Threshold	S
Component	No	(Comply with all current safety precautions)	Time Req	Skill	Run Hours	Pieces Fed	Freq.
			(min)	Lev		(000)	
		machine start-up for proper function.					
		Check for problems with structural integrity of supervisor platform and stairs to protect from slips, trips, and falls.					
		 Remove any items placed on top of SMCC or Image Server / Image Processor computer enclosures which could damage cables or impede computer rack air flow. 					
		4. Observe SMS system status screen and review past faults for problems. Evaluate accept, reject, jam statistics and throughput rates to identify degraded performance. Refer to the current APPS End of Run Interpretation MMO for additional information.					
		 a. Evaluate FSD Lost Tracking rejects by examining the Performance Statistics tab. If FSD Lost Tracking is greater than 5% of pieces Fed for that FSD follow up and investigate causes using MMO-003-12 "APPS Performance Improvement - Locating FSD Lost Tracking Problems". 					
		 Evaluate Induct rejects and auto recoveries by examining the performance statistics and quantity of rejects for each lane. 					
		5. Verify SAI system(s) are Online.					
		 Verify the Image Server GUI is displayed on the Image Server. Verify all Image Processors are green and processing images. 					
APPS OPERATIONAL:	3.	Evaluate machine performance using the APPS Performance Report.	35	10			Т
OFERATIONAL OERATIONAL CHECK		Performance Report. Perform the following 30 minutes after the start of a run and every run hour thereafter. Refer to MMO-069-14 titled APPS Performance Report Use and Interpretation for additional information.					
		1. At the SMS GUI click on the Reports heading.					
		2. Click on APPS Performance Report.					

Maintenance Technical Support Center IDENTIFICATION

	t	CODE			ACRO	MENT NYM				ASS DDE	INO	MBE	K	TYPE
		0 9	A P	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Proces	eeina	Equipme	nt Model				Bulletin	r Filen	ame		Occurre	ence		
System	231119						r	nm1	5109			To	urly	
Down and I bear		Taal	Ctatamaan		la stur.	4:			F-4	N 4:		Th	اداء ماء	
Part or Item No	10		Statemen						Est.	Min			shold	
Component	(C	Comply wi	in all curre	ent sa	rety pr	ecautio	ons)		Time Req	Skill	Run Hours	_	ces ed	Freq.
									(min)	Lev		(00	00)	
4.	value thresh the th and ir Procest Determach as near a. b. c. d. e. f. g. h. i. Exam Risk with and ir Opera value will consider a value or piece procest rework a.	categor may be are not sincrea on tribute operators from the sincrea on tribute of the contribute of t	ompare ues. Fo s, determine short dition and short dition	them r value in the correct strains as trails and tall leffic details and tall leffic details and tall leffic details and tall leffic details and tall leffic details and tall leffic details and tall leffic details and tall left left details and tall left left left left left left left le	to the cause of cause	te despend de des de des de des de de de de de de de de de de de de de	e sub- e sub- o reces o ut hput te ree reep a Report e desire not me shortfall d At-Ris g costs s the Se cess oied by	Bin At-ed eet I sk and emi-						
	b.		Indu	ct Re	ejects									
	C.		Sorte	er Re	ejects									

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Maintenance Checklist	CO	RK DE					MEN NYM				_	ASS DDE	NL	JMBE	R	TYPE
	0	9	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature	Equ	ipmer	nt Mo	del					Bulletir	ı Filer	name		Occurre	ence		
Automated Package Processing System									r	nm1	5109			To	urly	

Syster	n			1111111				Touriy	
Part or	Item		Task Statement and Instruction		Est.	Min		Thresholds	S
Component	No		(Comply with all current safety precautior	ns)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		T		ı			ı	ı	I
		d.	VCS Keyer Rejects						
		e.	Semi-Auto VCS Keye	er Rejects					
		f.	VCS Timeouts						
		g.	AARS Rejects						
		h.	AARS Recirculation	Rejects					
		i.	Sweep Recirculation	Rejects					
APPS	4.	Visually	Check FSD Section - Side 1 (R	Run Tour)	40	09			Т
OPERATIONAL: FSD FUNCTION SIDE 1		or on ec The follo be runn clothing	NG: Be cautious when working puipment when power has been owing tasks require that the maing. Take precautions to prevent tools, and test equipment from moving parts.	n applied. achine ent hair,					
		vant mov	e machine is operating, obtain ar age point to view FSD Belts and ement. Note all deficiencies and ervisor for scheduling.	mail					
		1	Observe mail singulation. Mail sl 1 layer deep when reaching the 1 Control Module. Pieces should n the Port side of the Delta Wing an be singulated prior to entering the tunnel.	Traffic nigrate to nd should					
		1	Observe all unstacker belting for problems or signs of damage suctears, fraying or laminate separat Verify incline conveyors do not sloackwards under normal load.	ch as ion.					
		;	Observe Traffic Control Module (proper operation. The TCM shown attempt to singulate side-by-side slowing belts when multiple piece present.	ıld pieces by					
			Observe Delta Wing rollers for properation. Note any damaged or functioning rollers.						

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Check	list		ORK ODE			QUIP ACRO	MENT NYM			ASS DDE	NU	MBER	TYPE
			0	9	АР	Р	S			Α	Α	0	0 1	М
Equipment Nomenclature Automated Package		ressing	Eq	uipmer	nt Model				Bulletin File			Occurre		
System	_	Jossing							mm′	5109			Tourl	y
	1			T- '	Ctal - :-		اعدا	-t: - ·-	•		NA:		There'	l al a
Part or	Item No		' •		Statement					Est.	Min		Thresho	
Component			(Com	nply wit	th all curre	nt sat	fety pr	ecautio	ns)	Time Req	Skill	Run Hours	Pieces Fed	Freq.
										(min)	Lev		(000)	
													, ,	
		e.							x-5-4 for separation.					
		f.	issu		center b evere be				-					
		g.			vertical l evere be				•					
		h.	tracl		belt Cx-									
		i.			RS Tuni age boa									
		j.	Dx-2		belts Dx r trackin n.									
		cird und any	umfe derne	erence ath 9 nds o	e is ope e of the l 0 degree r smells	FSD e cur	fromves.	Feed Be a	l belt to ware of					
		a.	PUN phot oper	N). Ve toeye rating	erify that s require the unlo	Saf a re bade	ety B eset er. Ve	arrier prior t erify th	0					
		b.	Oil le glas repla	evel s s. Fil acem	id and fi should be lter shou ent if filte g operati									
		c.	thro	ugh F I-1 be	nspect s Plexiglas elt slack i mage ca									
		d.	(app	roxin repoi		5 pie ncie	ces p s to (er 5 f Opera						

IDENTIFICATION

Maintenance	Checklist	WORK CODE			QUIP ACRC	MENT NYM				ASS DDE	NU	MBER	TYPE
		0 9	A P	Р	S				Α	Α	0	0 1	М
Equipment Nomenclatu		Equipme	nt Model			•	Bulletin	Filenan	ne		Occurre	nce	
Automated Packa Syste	-						n	nm151	09			Tourly	
Part or	Item	Task	Statement	and	Instru	ction		E	st.	Min		Threshold	S
Component	No	(Comply wi	th all curre	nt saf	ety pr	ecautio	ns)	R	ime Req nin)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		Recircula	tion Con	vey	or vo	lumes	:						
		1.) If volu piece (opting shoul		e mo ten t ther	ore the or the detection of the detectio	an thr een se Feed	ee to fi econds Rate	ve					
		Rate	mail is co Operator until the nieved.	s sh	ould	increa	ase Fee						
		obse mear being overv in a F	nal feedinal trickle on the strickle on the strickle of the st	of manne R Sem d with the great	ail is recirc ecirc i-Aut th ma nis typ	routine ulation o Ope ail but oically	ely n belt, rator is not will res	;					
		reciro main	cannot boulation value tenance es of poo	e m olur shou	ainta ne st uld in	ined valued at	vith the above, ate						
		regar verify senso unsta	eed Rate our cann dless of that Tra or is not l acker beli Il mail up	not b recii iffic (bloc ts ar	e act rcula Conti ked a re no	nieved tion vo rol KC and th t slick	l blumes, RE at the and fai	,					
		Verify that displayed and that page 35 are resignificant	l on the [chotoeye latively e	DCS cou equa	Primunts for the second	nary coor	ompute througl	er h					
		Verify that reasonab negative	le and pa	acka	ages	are no	ot readi						

Maintenance Checklist

WORK CODE Maintenance Technical Support Center

NUMBER

TYPE

CLASS CODE

IDENTIFICATION

EQUIPMENT

ACRONYM

Facility (1)			0 9 A P P	S		Α	Α	0	0 1	М
Equipment Nomenclature Automated Package		essina	Equipment Model		Bulletin File			Occurre		
Syster	•				mm1	5109			Tourly	
Part or	Item		Task Statement and	Instruction		Est.	Min		Threshold	S
Component	No		(Comply with all current sa		ns)	Time		Run	Pieces	
Оотронен			Comply with all culletti Sa	noty procautio	. 10)	Req	Skill	Hours	Fed	Freq.
						(min)	Lev		(000)	
		<u></u>								_
			when no mail is passi	ing over it.						
		g.	Verify package type s LED display matches (Parcel, Flat Bundle,	mail type b	eing run					
		h.	Verify there is no deb which will degrade wi camera operation.							
		i.	Walk under the High- Curves. Look for belt outer edge of belt ind Listen for obvious bea	t debris falli licating rib d	ng from damage.					
		j.	Inspect Incline and Hi gearboxes for leaks, I excessive noise.							
		k.	Observe Recirculation condition and excession	•	s for belt					
		I.	Inspect Shoe Sorter gloose hardware, or ex							
APPS	5.	Visually	y Check FSD Section	ı - Side 2 (F	Run Tour)	40	09	+	1	Т
OPERATIONAL: FSD FUNCTION SIDE 2		WARNI or on ed The foll be runn clothing	NG: Be cautious who equipment when power lowing tasks require ning. Take precautio g, tools, and test equin moving parts.	en working er has bee that the m	g around n applied. achine ent hair,					
		ele ma	hile machine is operati evated vantage point to ail movement. Note all bmit to Supervisor for	o view FSD I deficiencie	Belts and es and					
		a.	Observe mail singul 1 layer deep when r Control Module. Pie to the Port side of the should be singulated AARS tunnel.	reaching the eces should ne Delta Wi	e Traffic d migrate ng and					
		b.	Observe all unstack problems or signs o							

Maintenance re	CHIHCE	ıı Suppe	on Cent	lei						IV	IIVIO- I	31-16		
U.S. Postal	Service							IDENT	IFICA	ΓΙΟΝ				
Maintenance	Check	list	WORK CODE			QUIPI ACRO					ASS DDE	NU	IMBER	TYPE
			0 9	AP	Р	S			1	Α	Α	0	0 1	М
Equipment Nomenclature	e		Equipmer		' '			Bullet	in File		1 / 1	Occurre		171
Automated Packag	-	essing							mm1	5109			Tourl	,
Syste	m									0100			Touri	y
Part or	Item		Task	Statement	t and	Instruc	tion			Est.	Min		Thresho	lds
Component	No							na)		Time		Dun		
Component		,	(Comply wit	ui aii cuire	iii Sai	ety pre	caulio	115)		Req	Skill	Run Hours	Pieces Fed	Freq.
										(min)	Lev		(000)	
													` /	
	1	I	40000 60		la	:					1		1	1
			Verify in	aying or ncline co	nvey	ors o	lo not		•					
			backwa	ırds unde	er no	rmal	load.							
		C.		e Traffic										
				er opera to singu										
				ing belts										
			are pres	•										
		d.	Observe	e Delta \	Ning	rolle	rs for	prope	er					
				on. Note		dam	aged	or no	n-					
				ning rolle										
		e.		e belts S g issues					4 for					
			separat		OI DE	ail iai	ımate	;						
		f.		e center										
			damage	severe b e.	beil v	vear,	siippi	ng, oi						
		g.		e vertica severe b										
		h.	Observe	e belt Cx	(-1-1	thru	Cx-2-	2 for						
				j issues,										
		i.	Verify A	AARS Tu Messag										
				_			•							
		j.	and Dx-	e belts D -2-1 for t e separa	rack	ing is								
		circ	ile machi umferend lerneath (ce of the	FSD) fron	r Fee	d belt						
		any	sounds oblems:											

Attachment 3 9

Observe unloader operation (3 APCU or PUN). Verify that Safety Barrier

photoeyes require a reset prior to operating the unloader. Verify that container retention hardware is in place. Check fluid and filters (3 APCU or PUN).

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Checkl	list		ORK ODE			QUIP ACRO	MENT NYM				ASS DDE	NU	MBER		TYPE
			0	9	A P	Р	S				Α	Α	0	0 1		М
Equipment Nomenclature Automated Packag		essina	Equ	iipmer	nt Model				Bulle	tin File			Occurre			
System										mm1	5109			Tourl	у	
Part or	Item			Task S	Statemen	and	Instruc	ction			Est.	Min		Thresho	lds	
Component	No				h all curre				ns)		Time		Run	Pieces		Freq.
Component			(00	p.,			o., p.	0000.0	,		Req	Skill	Hours	Fed		1104.
											(min)	Lev		(000)		
					should											
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		d.			e for pro											
					ons (app belt) ar											
					ons. Op											
				•	e to Re	circu	latior	Con								
				umes												
			,		imes ard s every											
			(optin	nal rate)	ther	the	Feed	Rate							
					d be reculation v			achiev	e this	;						
								rooiro	ulotio	n						
					mail is c Operato											
			F	Rate	until the											
					ieved.											
					nal feedi trickle c					ı a						
					ved at t					.,						
					ing the					is						
					supplie helmed/					esult						
			ii	n a F	eed Rat	e gre										
			pieces per hour.													
		,	4.) If Feed Rates above 5,000 pieces an hour cannot be maintained with the													
			recirculation volume stated above, maintenance should investigate													
				cause racki	es of poon	or sır	igula	tion o	r Iost							
					eed Rat	e of 4	over	5 500	niec	es						
			p	er h	our canr	not b	e acl	nieved	!							
			r	egar	dless of	recir	cula	tion vo	olume	es,						

U.S. Postal Service							ID	ENTI	FICAT	ION					
Maintenance Checklist	CO	RK DE			_	QUIF 4CRC	 			_	ASS DE	NU	JMBE	R	TYPE
	0	9	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	Equi	ipmer	nt Mo	del			E	Bulletir	n Filer	name	(Occurre	ence		
Automated Package Processing System								ı	mm1	5109			То	urly	

Syster	n			mmic	0109			Touriy	
Part or	Item		Task Statement and Instruction		Est.	Min		Threshold	S
Component	No	(Comply with all current safety precaution		Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		•		•	'			'	
			verify that Traffic Control KO sensor is not blocked and the unstacker belts are not slick to pull mail uphill in the unsta	at the and failing					
		e.	Verify that DCS Maintenance S displayed on the DCS Primary and that photoeye counts for S S5 are relatively equal. Investi significant anomalies.	computer 1 through					
		f.	Verify that scale weights displated reasonable and packages are reading negative weight. Verify zeroed when no mail is passing	not y scale is					
		g.	Verify package type shown on Auto LED display matches mai being run (Parcel, Flat Bundle, Bundle).	I type					
		h.	Verify there is no debris within which will degrade with belt, ph camera operation.						
		i.	Walk under the High-Speed an Curves. Look for belt debris fa outer edge of belt indicating rib Listen for obvious bearing prob	lling from damage.					
		j.	Inspect Incline and High Speed gearboxes for leaks, loose hard excessive noise.						
		k.	Observe Recirculation conveyor condition and excessive noise.	ors for belt					
		l.	Inspect Shoe Sorter gearbox for loose hardware, or excessive n						
DISTRIBUTION SUBSYSTEM:	6.	Observe (Run To	Shoe Sorter Operation on sidur).	le one	10	09			Т
SHOE SORTER OPERATION SIDE 1		or on eq The follo	IG: Be cautious when working uipment when power has been wing tasks require that the ming. Take precautions to preven	n applied. achine					

Maintenance Technical Support Center

IDENTIFICATION

Maintenance (Check	list	COI				QUIP ACRO	MENT NYM				ASS DDE	NU	MBER		TYPE
Faving and Newscard			0	9	A F	Р	S			.u., e:	Α	Α	0	0	1	M
Equipment Nomenclature Automated Packag		essing	Equip	pmer	nt Model				Bu	ılletin Fi			Occurre		urk -	
Syster	m									mm	15109			Tou	шу	
Part or	Item		Т	Γask :	Stateme	nt and	Instru	ction			Est.	Min		Thres	holds	3
Component	No	((Comp	ly wit	h all cur	rent sa	fety pr	ecautio	ons)		Time Req	Skill	Run	Piece		Freq.
											(min)	Lev	Hours	(000		
														(000	,	
		clothing caught i					ıipme	ent fro	om	being						
		While ma vantage Observe	point	to v	iew to											
		1. Are p		ages	being	place	ed at	shoe								
			e Sho ages		orter p	ushin	g pha									
		3. Are s		s mo	ving s	mooth	nly wi	atic								
		1-5 a	and D	X-2	nultipo -1 con toeyes	eyor										
			any ective		ciencie ion.	s and	d initia	ate sc	hec	luling	of					
DISTRIBUTION SUBSYSTEM:	7.	Observe (Run To		e S	orter C	pera	tion	on sid	de t	wo	10	09				Т
SHOE SORTER OPERATION SIDE 2		WARNIN or on eq The follo be runni clothing caught i	uipm owing ing. , too	nent g tas Tak Is, a	when sks red e prec and tes	powquire autio at equ	er ha that ns to	s bee the m prev	n a nac ent	pplied hine t hair,	d.					
		While ma vantage Observe	point	to v	iew top											
			oacka mblie		being	place	ed at	shoe								
			e Sho ages		orter p	ushin	g pha									
		3. Are s motion		s mo	ving s	mooth	nly wi	atic								
		DX-1	I-5 ar	nd D	multipo X-2-1 toeyes	conve					f					

Maintenance re	CHIHICA	i Suppe	лιс	יכוונ	.CI									- 1	VIIVIC	<i>)</i> - i c	71-10
U.S. Postal	Service									IDENT	IFICA	TION					
Maintenance	Checkl	ist		RK DE					PMENT DNYM				ASS DDE	NU	JMBE	R	TYPE
			0	9	Α	Р	Р	S				Α	Α	0	0	1	М
Equipment Nomenclature	е		Equ	ipmeı	nt Mo	del				Bullet	in File	name		Occurr	ence		
Automated Packa Syste	_	essing									mm′	15109			To	urly	
Part or	Item			Task	State	ement	and	Instru	ction			Est.	Min		Thre	shold	s

System	1						
Part or	Item	Task Statement and Instruction	Est.	Min		Threshold	s
Component	No	(Comply with all current safety precautions)	Time Req	Skill	Run Hours	Pieces Fed	Freq.
			(min)	Lev		(000)	
			·			1	1
		 Note any deficiencies and initiate scheduling corrective action. 	g of				
SORTER	8.	Check Sorter Condition & Function (Run Tou	ı r). 0.1*	09			Т
SUBSYSTEM: SORTER FUNCTION		WARNING: Be cautious when working aroun or on equipment when power has been appli The following tasks require that the machine be running. Take precautions to prevent hai clothing, tools, and test equipment from beir caught in moving parts.	ed. r,				
		 While machine is operating, obtain an eleva vantage point to view top of sorter train. 	ted				
		 a. Observe sorter train for one full lap watching cells as they pass. Note any missing, or damaged Carrier Cell Slider Plates, or Crossbelts. 					
		 b. Observe sorter cell movement in relation to adjacent cells. Cell tops should remanded level with smooth motion. Note areas of the sorter where cells appear to be hitting a bump, or particular cells which are moving erratically. 	in f				
		2. Walk the full circumference of the sorter:					
		 Listen for collector brushes clicking as they pass over power rail isolators. Not locations of excessive collector noise or other items of note. 					
		 b. Observe condition of Horsehead (OIP) assemblies and stacklights for damage. Note any items requiring attention. Dur "end of run with sweep" events, note an bin-full lights which are not flashing and may need bulbs replaced. 	y				
		*Multiplied By: Carrier Cells					
IMAGE AARS: IMAGE QUALITY	9.	Inspect image quality at the APPS Monitor Display (AMD) computer.	3*	10			Т
		Perform the following either during or after a run evaluate image quality from all cameras:	to				

Maintenance Technical Support Center

IDENTIFICATION

Maintenance (Check	list	WORK CODE		EQUIP ACRO				ASS DDE	NU	MBER	TYPE
			0 9	A P	P S			Α	Α	0	0 1	М
Equipment Nomenclature Automated Package		nnissa	Equipmer	nt Model			Bulletin File			Occurre		
Syster	_						mm1	5109			Tourly	
Part or	Item		Tack	Statement	and Inetru	ction		Est.	Min		Threshold	c
Component	No		(Comply wit				ins)	Time		Run	Pieces	Freq.
Component			(Comply III	ar an carron	it outoty pr	Coddiio		Req	Skill	Hours	Fed	r roq.
								(min)	Lev		(000)	
	1		4 N 4 D . C	VI II P I				1	1			1
			ne AMD G									
			k on a dat i click V ie		iges to b	e revi	ewed, and					
			Runs dia wing:	log box v	vill open							
		a.	Capture t	ime								
		b.	Run Num	ber								
			Operatior the run in not yet be	progress	s. Data							
		d.	Number o	of pcs. for	r that rur	า						
		run Ima	ble click owhich is r ges Revie	ot Opera w windo	ation Nur	mber (000. The					
		a.	Capture 1	Γime								
		b.	Run Num	ber								
		C.	Serial # (Mailpiece	e ID)							
		d.	Side (1 o	r 2)								
				for Sem	i, 2 a sh	ort ite	2 or 4 m thru the e thru the					
		click with Auto AAF	king to hig one imago and pied	hlight the ge will typ ces with 4	en clickir pically be images	ng Vie e from s will b	images by w. Pieces the Semi- e from the sides, top					
		focu insp	iew the di is, and pro ection for eras for e	oper fram five imag	ning. Pe ges from							
		ima	coom in oi ge display n which a	ed and a	an addition	onal w	indow will					

U.S. Postal Service								IDI	ENTIF	TICAT	ION					
Maintenance Checklist	CO						MENT DNYM				CLA CO		NU	JMBE	R	TYPE
	0	9	Α	Р	Р	S					Α	Α	0	0	1	M
Equipment Nomenclature	Equ	ipme	nt Mo	del				В	ulletir	ı Filer	name		Occurre	ence		
Automated Package Processing System									r	nm1	5109			To	ourly	

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.
		image to verify address elements are readable. Click the corner x to close this window. 8. Initiate corrective action for images which are not well framed, in focus and having sufficient contrast to be readable. Refer to MMO-101-09 for assistance in "Tweaking" the image for proper framing. 9. Click Exit Review to return the AMD to normal operation.					
		*Multiplied By: Sides					

MMO-131-16							Ma	air	ntena	ance	e Ted	hnic	al Su	ppo	rt C	enter
U.S. Postal Service								ID	ENTIF	FICAT	ΓΙΟΝ					
Maintenance Checklist		RK DE			_		MENT NYM	•			_	ASS DDE	NU	JMBE	R	TYPE
	0	9	Α	Р	Р	S					Α	Α	0	0	1	М
Equipment Nomenclature Automated Package Processing System	Equ	ipmer	nt Mo	del				Е	Bulletin r		name 5109		Occurre		ourly	

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.

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ATTACHMENT 4

APPS MASTER CHECKLIST

09-APPS-AA-002-M

Operational Maintenance (Daily)

Time Total: See Attachment 1

MMO-131-16						Ма	intenance	e Tec	hnic	al Sup	port C	enter
U.S. Postal Se	ervice						IDENTIFICAT	ION				
Maintenance C	heckl	list	WORK CODE		EQUIPME ACRONY			_	ASS DDE	NU	MBER	TYPE
Equipment Nomenclature			0 9 Equipmen	A P	P S		Bulletin File	A	Α	0 Occurre	0 2	М
Automated Package System		essing	Equipmen	it woder				5109		Occurre	Daily	
Part or	Item		Task	Statement	and Instruction	on		Est.	Min		Threshold	ls
Component	No	(Comply wit	th all currer	nt safety preca	autio	ns)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
	1				ETY PREC			1		_		
SAFETY STATEMENT		Disconn required local loc down an equipme for susp unusual prior to part the equipment of	ect power by this skout product of lock of loc	er and a instruction cedures out this nanspect of lust or unance is for ing with MPRESS or a danance or a danance or a danance or a danance or a danance or glow % isopro a optical ies to your detection this bear of the contraction in this bear of the contraction of the contracti	pply locko ion. Refer s to proper nachine. (dust condi- nusual del- und notify any furthe SED OR Bl ed, an alter s a HEPA f np rag mu- blown air. ves, camel opyl alcoh- equipmen ur supervi- tion.	outs to rly s Ope tion bris sup er a LOV rnat filte st b Or hai ol w t. F isor	when current shut en as. Check If any pervisor ction on which will be used in ally report equire the equire th		All			

APPS
OPERATIONAL:
INDUCT FUNCTION
SIDE 1

2 Check Induction Condition - Side 1 (Daily)

requirements.

WARNING: Be cautious when working around or on equipment when power has been applied. The following tasks require that the machine be running. Take precautions to prevent hair, clothing, tools, and test equipment from being caught in moving parts.

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09

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While machine is operating, obtain an elevated vantage point to view top of Induction belts, outside of the interlocked Induction Area.

Observe the following:

U.S. Postal S	Service								I	DENT	IFICAT	TION				
	0 1 1.1	<i>4</i>		WO	RK		E	QUIPME	NT			CL	ASS	NU	MBER	TYPE
Maintenance	Cneck	IIST		CO	DE			ACRONY	ſΜ			CC	DE			
				0	9	A F	Р	S				Α	Α	0	0 2	М
Equipment Nomenclature	е			Equi	pmen	t Model		1		Bullet	in File	name	,	Occurre	nce	
Automated Packag	-	ess	sing								mm1	5109			Daily	
Syste	m															
Part or	Item			7	Task S	Stateme	nt and	Instructio	n			Est.	Min		Threshold	S
Component	No			(Comp	ly wit	h all cur	rent sat	ety preca	autio	ns)		Time		Run	Pieces	Freq.
												Req (min)	Skill	Hours	Fed	
												()	Lev		(000)	
	ı	1										ı			ı	1
			a.					ines are Investig								
								rivesiių veries o			563					
			b.	Obse	rve a	all four	lanes	for pro	per	pack	age					
								orter. Ic			age					
								d in the ance M								
			C.	•				or obvi			ina					
			0.			belt da			Jus	track	ıı ıg					
		2.	Wh	en cle	aring	g any A	Auto-Iı	nduct ja	ım, '	verify	that:					
			a.	The b	olue I	Induct	Stack	light fla	she	S.						
			b.	Induc	t me	ssage	board	ds are o	per	ation	al.					
			C.		nail s	stops f		" button lane be								
			d.	and la	anes	restar	ted ur	not bei ntil all p ocked a	erso							
		3.		he Se		uto Ind	ductio	n Lane,	obs	serve	the					
			a.	of Se	mi-A	uto Ind	ductio	ith struc n Static om slip	n p	atfor	m(s)					
			b.					ain is cl erationa		d and	k					
			C.	spots	" req	uiring	freque	s do no ent use auto ope	of t	ools t						
			d.	reaso negat	nabl tive v	le and weight	packa . Veri	nts disp ages are fy scale ng over	e no	t read	ding					
			e.	Verify opera			e Butte	on Box'	' is							

Maintenance Technical Support Center IDENTIFICATION

Maintonanas		WORK EQUIPMENT				CL	ASS	NUMBER		TYPE			
Maintenance Checklist				CODE ACRONYM				CODE					
L		0 9	A P	P S	L		Α	Α	0	0 2	М		
Equipment Nomenclature				Equipmen	nt Model	_	1	Bulletin Filer]	Occurre		
Automated Packag Syster	_	cessi	ing					mm1	5109			Daily	
Part or	Item	$\overline{\Box}$	_	Task	Statement	and Instruction	า		Est.	Min		Threshold	ls
Component	No		(Comply with all current safety precautions)							Skill	Run	Pieces	Freq.
l									Req (min)	Lev	Hours	Fed (000)	
												(000)	
			 f. Mail is being fed address up, square to the direction of belt travel (only angle very large packages to the template) and to the right of the Semi-Auto "No-read" line. g. Investigate cause if large volumes of mail are being returned on the Rework Conveyor to the left of the operator. 										
APPS OPERATIONAL:	3	Che	ck	Induction	Condition	on - Side 2	(D	aily)	30	09			D
INDUCT FUNCTION SIDE 2		or o The be re cloth caug	following the tensor of the te	equipment lowing tas ning. Take g, tools, a in moving ille machine ntage point	when posks requive precaused test of the precaused test of the precaused test of the precause	when work ower has k lire that the ations to prequipment rating, obtaitop of Induc	e m revo	en applied. nachine ent hair, om being an elevated n belts,					
		(outs Obs	side of the serve the f	interlock ollowing:	ked Induction	n A	Area.					
			a.	and proce	essing ma	ct lanes are ail. Investiç ecoveries o	gate	e causes					
			b.	placemen placemen	nt onto the nt is desc	nes for pro e sorter. Id ribed in the ntenance M	leal SA	l package					
			C.	Observe i issues or		elts for obvio	วนร	tracking					
		2. \	Wh	en clearinç	g any Aut	to-Induct ja	m,	verify that:	l				
		- ;	a.	The blue	Induct St	tacklight fla	she	es.	l				
			b.	Induct me	ssage bu	oards are o	per	rational.	l				
				and mail s	stops for ssed.	ess" button the lane be	eing	g accessed					
			d.		-	are not bei	_						L

Maintenance Technical Support Center												IV	IIVIO-	13	31-16
U.S. Postal S	IDENTIFICATION														
Maintenance Checklist				WORK EQUIPMENT					CL	ASS	NUMBER			TYPE	
				CODE			ACRONYM			CC	DE				
				0 9	A P	P	S			Α	Α	0	0	2	M
Equipment Nomenclature		ipment Model Bulletin Filename						Occurrence							
Automated Packag	mm1					5109		Daily							
System												,			
Don't are	Task Statement and Instruction						F-1	N.C.		Th	-14				
Part or	Item No							Est.	Min		Thresh		S		
Component			(Comply with all current safety precautions)					Time Req	Skill	Run Hours	Piece Fed		Freq.	
						(min)	Lev		(000)						
											LOV		(000)	<u>'</u>	
												ı			
		have exited the interlocked area.													
		3.	At th follow		uto Ind	ductio	on Lane, o	bs	serve the						
			a. Check for problems with structural integrity												
			of Semi-Auto Induction Station platform(s)												
				and stairs alls.	to pro	tect f	rom slips,	tr	ips, and						
				Semi-auto tunnel curtain is closed and Message Board is operational.											
			5	Semi-auto roller tables do not have "dead spots" requiring frequent use of tools to bull mail to the Semi-auto operator.											
			r r	easonab negative v	y that scale weights displayed are onable and packages are not reading tive weight. Verify scale is zeroed no mail is passing over it.										
		e. Verify the "Three Button Box" operational.													
			(direction of arge pac	eing fed address up, square to the of belt travel (only angle very ckages to the template) and to the de Semi-Auto "No-read" line.										
			6	Investigate cause if large volumes of mail are being returned on the Rework Conveyor to the left of the operator.											