MAINTENANCE TECHNICAL SUPPORT CENTER HEADQUARTERS MAINTENANCE OPERATIONS UNITED STATES POSTAL SERVICE

POSTAL SERVICETM

Maintenance Management Order

SUBJECT: Operational and Preventive Maintenance

Guidelines for Parcel Sorter (Carousel w/

PDS)

NO: MMO-021-17

DATE: March 10, 2017

TO: Manager, Maintenance All PSM_CB Sites FILE CODE: Y8

dpen:mm15119ah

		Online Change Record
Change #	Date	Description of Change
1	2/17/2021	Attachment 2, Task 31, Step 4. Added text to replace encoder
		cover.

This Maintenance Management Order (MMO) provides Operational and Preventive Maintenance Guidelines for the Parcel Sorter (Carousel w/PDS). The acronym is PSM. The class code is CB.

The workhours indicated in the workload estimate (Attachment 1) are based on a 20-hour operations window and reflect the maximum annual workhours required to maintain each system. 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.

Maintenance Managers are to use these preventive maintenance guidelines when preparing the route sheets for local maintenance personnel. It is the responsibility of each Maintenance Manager to ensure all WARNINGS, CAUTIONS, and NOTES are included with each applicable task as part of the preparation of any local route sheets.

WARNING

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

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

WARNING

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

WARNING

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

Direct any questions or comments concerning this bulletin to the MTSC HelpDesk, online at https://tickets.mtsc.usps.gov/login.php or call (800) 366-4123.

Kevin Couch Manager

Maintenance Technical Support Center

HQ Maintenance Operations

- Attachments 1. Summary Workload Estimate for PSM
 - 2. Master Checklist: 03-PSM-CB-001-M: PM
 - 3. Master Checklist: 09-PSM-CB-001-M: Operational Maintenance

ATTACHMENT 1

SUMMARY
WORKLOAD ESTIMATE
FOR PSM

SUMMARY WORKLOAD ESTIMATE FOR PSM

NOTE

Since this equipment contains multiple units of unknown quantity, the workload estimate cannot be provided in a traditional roll-up table. For this guideline, the annual work hours are derived from local site specific entries made in an electronic Work Hour Estimator Program (eWHEP) worksheet. Refer to eWHEP for further guidance.

ATTACHMENT 2

PSM MASTER CHECKLIST

03-PSM-CB-001-M

Time Total: 406.72 minutes

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

			(min)	_ev	Hours	(000)	
SAFETY STATEMENT:	1. COMPLY WITH ALL SAF Disconnect power and required by this instructional local lockout procedu down and lock out to equipment and inspect of for suspicious dust or unusual substance is for prior to proceeding with the equipment.	apply lockouts when ction. Refer to current res to properly shut this machine. Open dust conditions. Check unusual debris. If any ound notify supervisor	1	All			W
	THE USE OF COMPRESS PROHIBITED. When cleaning is recollered cleaning method such vacuum cleaner or a dare place of compressed or cloth or brush may equipment only when o cannot be used. Reporyour supervisor immedia	quired, an alternative as a HEPA filtered mp rag must be used in blown air. A lint-free be used on optical ther cleaning methods t safety deficiencies to					
	WARNING FOR EWP/PP Steps contained in this the use of Electrical Wor Protective Equipment current EWP MMO for and barricade requireme	s bulletin may require rk Plan (EWP) Personal (PPE). Refer to the appropriate EWP PPE					
	WARNING: Discard solvent soaked local procedures to previoustion.						
	NOTE: Predictive mainter are included within this recommended procedur Ultrasonic Detector to supcondition of rotating conrollers and shafts and ot equipment) in addition to "check for noise" tasks. user's manual and video Operational Instructions.	s PM guideline. The re is to utilize the oplement determining the apponents (i.e. bearings, ther slow speed rotating a audible "listen to" and Refer to manufacturer's					

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Component	No	(Comply with all current safety precautions)	Time	Skill	Run	Pieces	Freq.
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MAIL SEARCH:	2.	Check For Mail.	3	07			W
		WA PAULO					
		WARNING					
		Be cautious when working around or on					
		equipment when power has been					
		applied.					
		Look for loose mail while performing these					
		activities.					
SYSTEM:	3.	Start Equipment.	3	07			W
OTOTEWI.	0.		3	01			VV
		WARNING					
		Be cautious when working around or on					
		equipment when power has been					
		applied.					
		Start aguinment and check warning indicators for					
		Start equipment and check warning indicators for properly lit warning lights, bells and / or horns					
		sounding correctly.					
DRIVE:	4.	Sorter Reducer Strainer.	3*	07			W
REDUCER	4.		3	07			VV
112500211		Turn sorter reducer strainer handle one full turn in					
		either direction to scrape strainer plates.					
DRIVE:	5.	Check Reducer Oil Pressure.	3*	07			W
REDUCER		Record the reducer oil pressure. If below 12 psi,					
		report to supervisor immediately.					
DRIVE:	6.	Check Motor And Gear Housing.	6*	09			Q
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		Check motor and gear housing as follows:					
		Use the ultrasonic detector with stethoscope					
		probe to check motor and gear housings to					
		detect for excessive vibration and noise.					
		2. Use the noncontact infrared thermometer to					
		check for excessive heat on the motor and					
		reducer.					
DRIVE:	7.	Check Brake.	8*	09			Q
BRAKE		Check brake as follows:					
		Observe effectiveness of brake.					
		Check braking action on motor.					
		3. Listen for noisy brake operation.					
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Part or	Item		Task Statement and Instruction			Min.		Threshold	
Component	No	(Comply with all current safety precaution	ıs)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		If applicab	ole (pneumatic brake only):						
				ماده					
			ck all airlines and brake parts for						
			ck for proper air pressure (75-95	PSIG).					
DRIVE: COUPLING			utput Coupling.		2*	09			Q
0001 2		Check out shafts.	tput coupling for any misalignmer	nt of					
TRAY	9.	Check Tra	ay Straightener.		4	07			Q
STRAIGHTENER:		Check tra	y straightener as follows:						
			rve carriages at the tray straighte th operation and proper latching.	ner for					
			k that clearance between tray and htener is 1/2".	d					
CARRIAGE:	10.	Check Ch	nain / Carriage / Tray Assembli	es.	0.13***	07			W
CHAIN		Check Ch	ain/Carriage/Tray assemblies as	follows:					
		1. Look to applic	for proper chain lubrication (if able).						
			ed trays, missing bumpers, and ged carriage wheels or centering	wheel.					
		other	k each tray for labels, stickers, pa debris or markings that will cause erence with the PDS system.						
			for mail or debris caught in chain een carriages.	or					
PDS Sensor	11.	Check PD	OS System Trigger Photo Eye.		5	09			W
			neck trigger photo eye for correct . Ensure that the photo eye chan erly.						
			ne PDS GUI, click in the box labe nostic Pane.	led					
		2. In the	e Diagnostic Pane, click on the I/	O tab.					
			cand unblock the Trigger sensor h for the box labeled "Trigger" to						
PDS Sensor	12.	Reboot S	ensor Computer.		5	10			W
Computer			n and then reboot PDS computer tenance manual section 3.1.1).	ref					

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Part or	Item	Task Statement and Instruction	Est.	Min.		hreshold	
Component	No	(Comply with all current safety precautions)	Time Req	Skill Lev	Run Hours	Pieces Fed	Freq.
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PDS Sensor	13.	Perform PDS Sensor Checks And Alignments.	.05***	10			М
		NOTE					
		Sorter trays must be empty before performing the steps below.					
		Perform "Teach Function". (ref. PDS O&M manual, section 3.6 Teach Function).					
		 Perform the Maintenance test, "Belt Health Test".(ref. PDS O&M manual, section 4.4 Maintenance Tests) 					
PDS Sensor	14.	Defragment Sensor Computer.	5	10			М
Computer		Run the computer system defragment routine.					
		Using the mouse, click on the start Menu lcon.					
		Click on "All Programs" at the bottom of the menu screen.					
		3. Click on " Accessories ".					
		4. Click on "System Tools".					
		5. Click on "Disk Defragmenter".					
		6. In the Disk Defragmenter Screen, click on "Defragment".					
PDS SENSOR	15.	Clean Cabinet Filter.	4	07			М
CABINET		Clean the filters located on the right and left sides of the PDS control cabinet.					
CARRIAGE:	16.	Check Carriage Assembly.	3*	07			Q
		Check carriage assembly as follows:					
		Remove latch pins or hardware and lower removable track (maintenance access panel).					
		2. Check trays for cracks and rough edges.					
		Clean all dirt and build-up from carriage assembly and wheels. Jog as necessary.					
		 Check all carriage wheels and centering wheel for damage such as gouges, cracks, flat spots, or inability to spin. Verify retaining rings are installed and not damaged. 					
		Tilt tray and check index lever and index lever pin for damage.					

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		Check fron				,	•								

Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		 Check front and rear carriage pins for damage. Damage could appear as slight hour glass shaped pins, wallowed out holes, cracks or splits in the pins. Verify pins are fully engaged. Check carriage for cracks, warpage, scarring, gouges, and missing mail catchers. Check for damaged or missing bumpers, and verify compression spring is in place. When completed, close the track section and reinstall latch pins. Report all deficiencies to your immediate supervisor. 					
CARRIAGE: CHAIN	(5	Check Chain. Observe chain (one complete revolution at slow speed) around one sprocket for indications of frozen or worn rollers, missing chain fasteners, and cracked or broken links.	0.04*	09			Q
DRIVE: UNICO:		Check UNICO Drive Cabinet. Check cabinet as follows: 1. Clean or replace filter as needed. 2. Review fault history. 3. Review fault mask.	4*	09			Q
SYSTEM		WARNING Steps contained in this bulletin may require the use of Electrical Work Plan (EWP) Personal Protective Equipment (PPE). Refer to the current EWP MMO for appropriate EWP PPE and barricade requirements. Power down the machine and lock out as prescribed by the current local lockout instructions providing lockout/restore procedures.	3	07			W

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Component	No	(Comply with all current safety precautions)	Time Req (min)	Skill Lev	Run Hours	Pieces Fed (000)	Freq.
PDS Sensor:	20.	Clean PDS Sensors	5	09			М
		Clean PDS system as follows (PDS Manual 8.1.1):					
		Using a clean soft cloth, clean PDS trigger sensor.					
		CAUTION					
		Using anything other than a feather duster or clean, dry, soft, lint-free cloth may result in damage to the PDS SICK Ruler.					
		Using a feather duster or cloth, clean Sick Ruler Camera and Laser lenses.					
OILER:	21.	Check Oiler Oil Level.	5	07			W
		Check automatic oiler level. Add if required (OL-3) (if applicable).					
WIPER:	22.	Check Wiper And Drip Pan.	15	07			М
DRAIN PAN		Check chain oil wipers and oil drip pan as follows (if applicable):					
		WARNING					
		Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.					
		Check chain oil wipers.					
		2. Drain and clean oil drip pan.					
CARRIAGE:	23.	Check Chain Tension.	60	09			Q
CHAIN		Check the sorter chain tension. Tension chain as necessary.					
DRIVE:	24.	Clean Reducer Oil Strainer.	15*	09			М
REDUCER		Disassemble reducer oil strainer, clean, and reassemble.					
DRIVE: REDUCER	25.	Check And Clean Motor And Reducer Housings.	30*	07			S
		Clean the motor and reducer housings to ensure that they are free from dirt accumulation.					
DRIVE:	26.	Lubricate Reducer.	15*	07			Α
REDUCER		Take oil sample for test. Check oil level and fill as					

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			(min)		(000)	
		needed. (Lubricant GL-5-EP.)				
DRIVE:	27.	Lubricate Output Coupling.	5*	07		Α
COUPLING		Lubricate output coupling with GR-2-EP lubricant.	Ü	01		, ,
DRIVE:	28.	Wrench Test Output Coupling Bolts.	5*	07		Α
COUPLING		Wrench test mounting bolts on output coupling.				
DRIVE:	29.	Clean And Lubricate Drive Shaft Bearing.	6*	07		Α
REDUCER		Clean and lubricate drive shaft bearing as follows:				
		WARNING				
		Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.				
		Wipe clean and lubricate the drive shaft bearing with (GR-2-EP) lubricant.				
		Lube until fresh lubricant appears at relief vent.				
		Clean off excess lubricant from bearing.				
DRIVE:	30.	Check And Clean Sprocket Teeth.	30*	07		S
SPROCKET		Check and clean sprocket teeth as follows:				
		Check sprocket teeth for damage.				
		2. Remove build-up of foreign material.				
		Check sprocket teeth mounting bolts.				
		Tighten, if required, SAE-8 bolts and lock nuts to 15 ft/lb. torque.				
ENCODER:	31.	Check Encoder Module.	10	09		Α
		Check sorter encoder module as follows:				
		Remove cover on encoder module; check for damage to belt.				
		Check top and bottom covers for damage, scuffs, gouging, strapping, cracking swells, or ply separation.				
		Check for build-up of foreign material on top and bottom belt surfaces.				
		Check motor encoder and replace cover on encoder module.				

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ENCODER:	32.	Clean And Lubricate Bearing.	4	07		Q
		Clean and lubricate bearing as follows:				
		WARNING				
		Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.				
		Wipe clean and lubricate bearing on the encoder module drive shaft, located on top of the main drive sprocket.				
		Clean excess lubricant from bearing.				
DISCHARGE:	33.	Clean And Check Tripper Assembly.	4*	09		Q
TRIPPER ASSEMBLY:		Clean and check tripper assembly as follows:				
, redember:		Remove foreign material from tripper assembly, power cables, solenoids, and air hoses.				
		Examine air hose connectors and look for damaged air hoses.				
		3. Listen for air leaks.				
		Look for damage to electrical cable, solenoid valves, and connector.				
		5. Examine trippers for proper tipping position.				
		Wrench test all mounting bolts. Check for excess wear.				
		 Examine bumpers for wear or damage. Rotate tripper roller for ease of rotation and wear or damage. 				
		8. Look for damaged or worn linkage.				
		Check pivot points for ease of operation and cylinder mounting hardware.				
TRACK	34.	Check Track Sections.	20	09		Q
		Check track sections as follows:				
		Look for cracks or damage.				
		2. Look for missing rub strips.				
		Look for uneven carriage travel through				

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sections. 4. Inspect expansion joint for damage and uneven travel. 5. Inspect entrance and exit slip joints for damage. STRUCTURE 35. Check Conduit And Wiring. Check conduit and wiring as follows: 1. Check for damage to conduit and wiring between control panel and motor panels, limit switches, photocells, and other control devices associated with this group panel. 2. Report deficiencies to your supervisor. ACCESS DOOR: MAINTENANCE 36. Clean And Check Limit Switch. Clean and check limit switch as follows: 1. Remove dust from housing and tripper arm of maintenance access door track switch. 2. Look for broken, bent, cracked, or misaligned switch or actuator. 3. Check pivot points for ease of operation. 4. Wrench test switch mounting botts for tightness. 5. Look for damage to conduit and wiring. 6. Report deficiencies to your supervisor. STRUCTURE 37. Check Structure. Check structure as follows: 1. Look for damage to supporting and structural members of equipment, misalignment at joints between equipment sections, and loose connecting bolts. 2. Look and feel for loose anchor bolts, hanger rods, and tie rods.						_		
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STRUCTURE 35. Inspect entrance and exit slip joints for damage. STRUCTURE 35. Check Conduit And Wiring. Check conduit and wiring as follows: 1. Check for damage to conduit and wiring between control panel and motor panels, limit switches, photocells, and other control devices associated with this group panel. 2. Report deficiencies to your supervisor. ACCESS DOOR: MAINTENANCE 36. Clean And Check Limit Switch. Clean and check limit switch as follows: 1. Remove dust from housing and tripper arm of maintenance access door track switch. 2. Look for broken, bent, cracked, or misaligned switch or actuator. 3. Check privot points for ease of operation. 4. Wrench test switch mounting bolts for tightness. 5. Look for damage to conduit and wiring. 6. Report deficiencies to your supervisor. STRUCTURE 37. Check Structure. Check structure as follows: 1. Look for damage to supporting and structural members of equipment, misalignment at joints between equipment sections, and loose connecting bolts. 2. Look and feel for loose anchor bolts, hanger rods, and tie rods.			sections.					
STRUCTURE 35. Check Conduit And Wiring. Check Conduit and wiring as follows: 1. Check for damage to conduit and wiring between control panel and motor panels, limit switches, photocells, and other control devices associated with this group panel. 2. Report deficiencies to your supervisor. ACCESS DOOR: MAINTENANCE 36. Clean And Check Limit Switch. Clean and check limit switch as follows: 1. Remove dust from housing and tripper arm of maintenance access door track switch. 2. Look for broken, bent, cracked, or misaligned switch or actuator. 3. Check pivot points for ease of operation. 4. Wrench test switch mounting bolts for tightness. 5. Look for damage to conduit and wiring. 6. Report deficiencies to your supervisor. STRUCTURE 37. Check Structure. Check structure as follows: 1. Look for damage to supporting and structural members of equipment, misalignment at joints between equipment sections, and loose connecting bolts. 2. Look and feel for loose anchor bolts, hanger rods, and tie rods.								
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rods, and tie rods.			members of equipment, misalignment at joints between equipment sections, and loose					
Look for cracked or broken welds.								
			3. Look for cracked or broken welds.					
If composite track, check for broken or missing wear strip.								
5. Report deficiencies to your supervisor.			5. Report deficiencies to your supervisor.					

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Equipment Nomenclature	Equ	ipmer	nt Mo	del				В	ulletin	Filer	ame		Occurr	ence		
Parcel Sorter (Carousel)					•				n	nm1	5119					

	Part or	Item	Task Statement and Instruction	Est.	Min.		Threshold	s
	Component	No	(Comply with all current safety precautions)	Time	Skill	Run	Pieces	Freq.
				Req (min)	Lev	Hours	Fed (000)	
		<u> </u>						Į.
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CENTERING DEVICE:	38.	Centering Device. Check parcel centering device for mounting and loose hardware. Check arm locations for proper clearance over trays and centering of parcels.	10	09		Q
STATIC DEVICE:	39.	Check Static Discharge Device.	5	09		Q
		Check condition and contact of static discharge device.				
TRAY STABILIZER:	40.	Check Tray Stabilizer.	15	07		Q
		Check tray stabilization bar through induction areas for mounting, damage, and wear strip 1/2" clearance.				
TRAY	41.	Check Tray Straightener.	15	07		Q
STRAIGHTENER:		Check tray straightener bar for mounting, damage, and wear strip - 1/2" clearance.				
SYSTEM:	42.	Restore Equipment To Service.	3	All		W
CTART UR.	42	Steps contained in this bulletin may require the use of Electrical Work Plan (EWP) Personal Protective Equipment (PPE). Refer to the current EWP MMO for appropriate EWP PPE and barricade requirements. WARNING Be cautious when working around or on equipment when power has been applied. Restore equipment to service as prescribed by the current local procedure providing lockout/restore procedures.	-			W
START UP:	43.	Start Up.	5	All		W
		Perform normal start-up procedures as follows:				
		Start or preset equipment.				
		Check for proper operation.				
SENSOR:	44.	Run FMPCS Maintenance Sensor Tests.	5*	10		Q

MMO-021-17			Maintenance Technical Support Center												
U.S. Postal Maintenance		list	WORK CODE				QUIPMENT CRONYM		NTIFICA	CL	ASS ODE		NUN	MBER	TYPE
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Equipment Nomenclatur Parcel Sorter		sel)	Equipmer	nt Mod	del			Bu	illetin Fil mm	ename 15119		Occ	urrer	nce	
Part or	Item		Task	Staten	nent a	and In	struction			Est.	Min.		7	Threshold	ls
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TRACKING (DVS, IVS, LVS)	9	Check trac sorter trac message and wear	king sen log). Ver	sor (d	obse ondit	rve t ion o	est resul of tray sta	ts or	า						
DISCHARGE:		Run FMP Run disch observe	arge unit	test	for e	each	discharg	.	0.5*	10				Q	
DISCHARGE: CHUTE	,	senso chute) a. b.	eration of nutes that ors are loo	re on ar the and c ninat s blo repo	e sensor top of e heck to es. cked che rt or mes	1*	10				Q				
		:	Check the see if blo screen.												

For chutes that have two sensors (the second sensor is located near the middle of the

> Block the upper sensor and check the FMPCS condition report or message log to see that it indicates the chute is full. Check the FMPCS Cimplicity screen to see if blocked sensor is shown on the

Block lower sensor to see if the chute full light illuminates (if this is a container loader the parcel gate should move).

For chutes or container loaders that have a button to inhibit the discharge unit (location

chute).

varies):

a.

screen.

Attachment 2 12

Press the inhibit button, check to see if

the chute full light illuminates and that the FMPCS condition report or message

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Equipment Nomenclate Parcel Sorte			iipment	Mod	del				Bu			name 5119	•	Occur	ence	;	
		•	Task Statement and Instruction Comply with all current safety precautio														
Part or Component	Item No								ons)			Est. Time Req (min)	Min. Skill Lev	Run Hours	Pi	eshold eces Fed 000)	s Freq.

			(min)	LOV	Tiours	(000)	
		log to see that it indicates the discharge inhibit is active.					
		 b. Check the FMPCS Cimplicity screen to see that the correct condition is shown on the screen. 					
CLEAN UP:	47.	Clean Up.	3	All			W
		Ensure all tools, lubricants, rags, etc., are removed from the work area. Report all deficiencies to your supervisor.					

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

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

^{*** ---} the tasks marked with three asterisks are both critical tasks and per unit tasks.

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Maintenance Checklist		DRK DDE				QUIF ACRO					ASS DE	Z	UMBE	ĒR	TYPE
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Equipment Nomenclature Parcel Sorter (Carousel)	Equipment Model						В		n Filer nm1	name 5119		Occurr	ence		

Part or	Item	Task Statement and Instruction	Est.	Min.		Threshold	S
Component	No	(Comply with all current safety precautions)	Time	Skill	Run	Pieces	Freq.
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ATTACHMENT 3

PSM MASTER CHECKLIST

09-PSM-CB-001-M

Operational Maintenance

Time Total: 60 minutes

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Parcel Sorter (Carousel)									r	nm1	5119					

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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	
			Req (min)	Lev	Run Hours	Pieces Fed (000)	Freq.
SAFETY STATEMENT:		COMPLY WITH ALL SAFETY PRECAUTIONS. Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shut down and lock out this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found notify supervisor prior to proceeding with any further action on the equipment.	1	All			Т
		THE USE OF COMPRESSED OR BLOWN AIR IS PROHIBITED. When cleaning is required, an alternative cleaning method such as a HEPA filtered vacuum cleaner or a damp rag must be used in place of compressed or blown air. A lint-free cloth or brush may be used on optical equipment only when other cleaning methods cannot be used. Report safety deficiencies to your supervisor immediately upon detection. WARNING FOR EWP/PPE: Steps contained in this bulletin may require the use of Electrical Work Plan (EWP) Personal Protective Equipment (PPE). Refer to the current EWP MMO for appropriate EWP PPE and barricade requirements.					
FMPCS REPORTS:		or on equipment when power has been applied. Generate And Review Reports.	15**	10			Т
		Analyze data provided on the following reports to determine if any areas of the machine are degrading or need attention. Reports can be selected through the FMPCS menu system or requested at the command line. Reports are to be generated for current tour.					·
		Review volume report.					
		Look for high number occurrences of Induction failure, Mis-sent (Induction Unit problem, Multi Load, Discharge problem, or failure,).					
		2. Review condition report.					
		(Look for not operational, out of service, failing,					

U.S. Postal Service								IDE	NTIFI	CAT	ION						
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Maintenance Checklist	CO	DE			- 1	ACRO	MYM				CO	DE					
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Equipment Nomenclature	Equ	ipmer	nt Mo	del				Вι	ulletin	Filer	name		Occu	ren	се		
Parcel Sorter (Carousel)									n	nm1	5119						

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.
			ı		1	ı	
		or down equipment)					
		Review maintenance report.					
		Look for any high number occurrences of problems or failures.					
		Review current message log					
SENSOR:	3.	Run FMPCS Maintenance Sensor Tests.	5*	10			Т
TRACKING (DVS, IVS, LVS)		Run sensor test for each sorter tracking sensor (observe test results on message log). The location of mail on the trays or tray state must be known to determine correct test results.					
DISCHARGE:	4.	Run FMPCS Maintenance Discharge Tests.	10	10			T
		Run discharge unit test for any discharge showing a high failure rate in the maintenance report (observe discharge unit tipping tray).					
PDS SENSOR	5.	Observe Sensor.	2	10			Т
		Observe the PDS Sensor GUI. Verify that multi loads are being recorded/reported correctly on the PDS GUI screen.					
PSOC:	6.	Observe Camera.	2	10			T
(PARCEL SORTER OVERHEAD CAMERA)		Look at the PSOC computer monitor and verify that it is: Ready, Connected to FMPCS and displaying read rate and bar code results.					
INDUCTION:	7.	Check Induction Unit.	2*	09			Т
		Observe condition of the induction unit (belting, edge guards, controls, lighting).					
INDUCTION:	8.	Check Shaker Table.	1*	09			Т
SHAKER TABLE		Observe shaker table operation (if applicable) (noisy stroke, banging)					
INDUCTION:	9.	Check Induction.	1*	09			T
		Observe induction of mail piece onto the sorter, ensure mail piece is hitting the correct tray (ALPA enabled and working correctly for mail piece not centered on belt).					
INDUCTION:	10.	Check Scanner.	1*	09			Т
SCANNER		Verify scanners ability to read bar code.					

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Parcel Sorter (Carousel)									r	nm1	5119					

Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Thresholds		
					Run Hours	Pieces Fed (000)	Freq.
INDUCTION: PRINTER	11.	Check Printer. Observe application of label and printed label quality.	1*	09			T
DRIVE: CHAIN	12.	Check Chain. Check chain tension by observing chain slack coming off the driving sprocket (bull wheel). Check chain lubrication (if applicable).	1*	09			T
DRIVE: REDUCER	13.	Check Drive. Reducer, drive gear and coupling (look for oil leaks, grease seals, listen for bearing or gear noise). Report deficiencies to supervisor.	1*	07			Т
CARRIAGE: CHAIN	14.	Check Carriages. Observe sorter carriages for broken trays, latching plates, or missing/damaged mail catchers (beaver tails) between carriages or missing wheels.	10	07			T
TRAY STRAIGHTENER:	15.	Check Tray Straighteners. Verify UHWM(white plastic) on the tray straighteners are smooth and do not have UHWM missing(gaps). Look for missing hardware, gouges, warpage, cracks, and splits in the UHWM. Report deficiencies to your supervisor.	2	07			T
TRAY STABILIZER:	16.	Check Tray Stabilizers. Verify UHWM(white plastic) on the tray stabilizers are smooth and do not have UHWM missing(gaps). Look for missing hardware, gouges, warpage, cracks, and splits in the UHWM. Report deficiencies to your supervisor.	2	07			T
REPORT	17.	Report Deficiencies. Report all deficiencies to your supervisor.	3	All			Т