



Maintenance Management Order

SUBJECT: Preventive, Predictive, and Operational
Maintenance Guidelines for the Advanced
Facer Cancellor System 200 using eCBM
TO: Maintenance Managers AFCS200 Offices

DATE: December 21, 2011
NO: MMO-139-11
FILE CODE: 2AD
wbro:mm10127aj

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This Maintenance Management Order (MMO) provides Preventive, Predictive, and Operational Maintenance Guidelines for the Advanced Facer Cancellor System 200. The acronym is AFCS200 and the class code is AA.

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

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

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

WARNING

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

WARNING

Various products requiring Material Safety Data Sheets (MSDS) may be utilized during the performance of the procedures in this bulletin. Ensure the current MSDS for each product used is on file and available to all employees. When reordering such a product, it is suggested that current MSDS be requested. Refer to MSDS 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 HelpDesk, Maintenance Technical Support Center, P.O. Box 1600, Norman OK 73070-1600; telephone (405) 573-2123 or toll free (800) 366-4123.



Robert E. Albert
Manager
Maintenance Technical Support Center
Maintenance Operations

Attachments:

1. Summary of Workload Estimate for AFCS200
2. Master Checklist: 03-AFCS200-AA-001-M: Power Off and Power On Tasks
3. Master Checklist: 09-AFCS200-AA-001-M: Operational Maintenance

ATTACHMENT 1

SUMMARY

WORKLOAD ESTIMATE

FOR

AFCS200 SYSTEM

**SUMMARY
WORKLOAD ESTIMATE
FOR
AFCS200**

		SUMMARY WORK LOAD ESTIMATES FOR AFCS							
Number of mail pieces									
Processed for 1 Year >		22,000,000	High end estimate						
Operation Days	Routine Servicing per Machine (Hrs/Yr)	Repair Time per Machine (Hrs/yr) *	Routine Servicing + Repair Time (Hrs/Yr)	Non-Productive Time per Machine (Hrs/yr) **	Total Servicing per Machine (Hrs/Yr)	Operational Maintenance + Total Servicing			
						1 Tour Hrs/Yr OpM x 1	2 Tours Hrs/Yr OpM x 2	3 Tours Hrs/Yr OpM x 3	
5 Days	976.46	292.94	1269.40	126.94	1396.34	1,712.67			
6 Days	1155.86	346.76	1502.62	150.26	1652.88	2,032.48			
* Repair maintenance estimates based on 30% of preventive maintenance.									
** Based on 10% of total PM and repair.									
						OPERATIONAL MAINTENANCE 80 MIN. PER DAY PER MACHINE			
						One Tour	Two Tours	Three Tours	
						5 Day	316.33		
						6 Day	379.60		

ATTACHMENT 2

AFCS200 MASTER CHECKLIST

03-AFCS200-AA-001-M

POWER OFF AND POWER ON TASKS

Time Total: See roll-ups in Attachment 1.

U.S. Postal Service		IDENTIFICATION												
Maintenance Checklist		WORK CODE		EQUIPMENT ACRONYM				CLASS CODE		NUMBER		TYPE		
		0	3	A	F	C	S	2	0	0	A	A	0	0
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ			Occurrence ECBM					

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.

SAFETY STATEMENT	1.	<p>COMPLY WITH ALL SAFETY PRECAUTIONS. Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shutdown and lockout this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found notify supervisor prior to proceeding with any further action on the equipment.</p> <p>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.</p> <p>WARNING FOR EWP/PPE: Steps contained in this bulletin may require the use of Personal Protective Equipment (PPE). Refer to the current Electrical Work Plan (EWP) MMO for appropriate PPE requirements.</p>	1	All			
	AFCS-200 SYSTEM: STATISTICAL ANALYSIS	2.	<p>Analyze the Run Statistics and Electronic Log.</p> <p style="text-align: center;">NOTE</p> <p>Prior to performing the power down and lock out, do an AFCS200 performance analysis.</p> <p>1. Access run statistics from the previous runs on the GUI Report Displays and MPE Watch, analyze for any anomalies that may indicate degradation of machine performance.</p> <p>2. Be alert for abnormal data concerning:</p>	5	10		1

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	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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		a. Pieces Fed b. Pieces Accepted c. Bypass Pieces d. Over Length e. Multi-Indicia f. Jams g. Machine Stops and Faults h. OSS% i. Indicia% j. Unfaced% 3. Check the Electronic Log for any unresolved issues.					
AFCS-200 SYSTEM: SHUTDOWN	3.	Shut down the AFCS200 System in accordance with the following reference: For detailed steps to properly shut down the system refer to MS Handbook MS-266 Volume B Section 3.2.3.	10	09		1	
AFCS-200 SYSTEM: POWER DOWN	4.	Power down and lockout: 1. Place facility air drop shutoff valve in off position. <div style="text-align: center;">NOTE</div> Air pressure bleeds from system when POWER OFF button on OCP is pressed. 2. Press POWER OFF button on OCP. <div style="text-align: center; border: 1px solid black; padding: 2px;">WARNING</div> Electrical power will always be present at the input of the disconnect device unless the circuit is disabled at the facility power distribution panel located at _____.	5	ALL		1	

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		<p>3. Place Main Power Distribution Unit (PDU) CB1 in off position.</p> <p>4. Open rear doors on Bypass, Invert, and Switchback Module, if applicable. Press and hold power button for 2 seconds on each of three 500 W UPS units. Observe line power status LED turns off.</p> <p>5. After powering down the machine, lock out its electrical power as prescribed by the current local lockout instructions providing lockout/restore procedures.</p>					
AFCS-200 SYSTEM: MAIL SEARCH	5.	<p>Perform mail search.</p> <p style="text-align: center;">NOTE</p> <p>Ensure proper operation of door gas springs. If any cover comes down without help, write work order and correct.</p> <p>1. Open all necessary panels along mail travel path for a thorough mail search.</p> <p>2. Remove any additional panels along mail travel path in order to have access to the lower belts in each section.</p> <p>3. Starting at the Incline Hopper, perform mail search.</p> <p>4. While performing mail search, remove any large pieces of dirt and debris.</p> <p>5. Place all recovered mail in a tray.</p> <p>6. Follow local procedures for returning mail to Operations for processing.</p>	15	All		1	
AFCS-200 SYSTEM: VACUUM #1	6.	<p>Vacuum Singulator, Auto Feed, Fine Cull, and Manual Feed. Clean GUI and OCP.</p> <div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> CAUTION </div> <p>While cleaning the machine, use non-metallic ends on the vacuum.</p>	20	07		30	

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	0	3	A	F	C	S	2	0	0	A	A	0	0	1
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					Run Hours	Pieces Fed (000)	Freq.

NOTE							
		<p>While performing this task, watch for loose and missing hardware, also any belts with tears, fraying, separation, or other visible damage. Write a work order to cover any additional time needed to correct any of these items found.</p> <ol style="list-style-type: none"> 1. Vacuum the following: <ol style="list-style-type: none"> a. Singulator above and below b. Singulator Feeder above and below c. Auto Feed (Include inside doors) d. Vacuum out vacuum generator filters in Auto Feeder. e. Vacuum air chamber from top pick-off belt side and from bottom of air chamber of the Auto Feed. f. Fine Cull #1 g. Channel Gate h. Manual Feed (Above and Below) i. Manual Feeder Reject Pocket j. Manual Feeder crossover path k. Vacuum out vacuum generator filters in Manual Feeder. l. Vacuum air chamber from top pick-off belt side and from bottom of air chamber of the Manual Feed. m. ACR (leveler and camera areas) 2. Clean the Operator Control Panel. 					
AFCS-200 SYSTEM: VACUUM #2	7.	<p>Vacuum all remaining areas (as listed below) of the machine not covered in Vacuum #1 task.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;"> CAUTION </div> <p>While cleaning the machine, use non-metallic ends on the vacuum.</p>	18	07		73	

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	0	3	A	F	C	S	2	0	0	A	A	0	0	1
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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.

NOTE							
		<p>While performing this task watch for loose and missing hardware also any belts with tears, fraying, separation, or other visible damage. Write a work order to cover any additional time needed to correct any of these items found.</p> <p>Vacuum the following areas:</p> <ol style="list-style-type: none"> 1. Hopper and Incline Belt area 2. Overthick Conveyor area 3. VDF Boxes 4. Along cable trough 5. Edger Channel (Above and Below) 6. Shingler Module (Look for paper in belts) 7. Flats Extractor 8. Culler Leveler 9. Leveler Area after the Manual Feed 10. Fine Cull #2 11. Bypass/Inverter 12. Printer areas only (The actual printer will be covered in other tasks.) 13. SBU #1 14. SBU #2 15. Cancellor Area 16. Stackers areas #1 and #2 					
HOPPER 010: SENSOR AND REFLECTOR	8.	<p>Visual check sensors and reflectors.</p> <ol style="list-style-type: none"> 1. Check the sensor transmitter and receiver aperture for dust accumulation and obstruction from residue. Clean as necessary. 2. Visually check the reflector for accumulation of dust, obstruction, or peeling. Remove any obstructions as necessary. 	3	07		420	

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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Thresholds		
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INCLINE CONVEYOR 020: AIR FILTRATION ASSY	9.	<p>Incline Conveyor air filtration fluid removal.</p> <ol style="list-style-type: none"> 1. Locate the container that accumulates the fluids from the air filtration system. 2. Remove the container and dispose of the contents in a locally approved manner. 3. Re-install the container. 	2	07		420	
INCLINE CONVEYOR 020: BELTS AND SENSORS	10.	<p>Check for debris that could damage belts and check photo sensors.</p> <ol style="list-style-type: none"> 1. Perform a visual check for debris, threads, and sharp metal or plastic pieces. 2. Visually check for wears, tears, and missing pieces of the belt link. <p style="text-align: center;">NOTE</p> <p>Write a work order to correct any problems found with these belts.</p> <ol style="list-style-type: none"> 3. Visually check the sensor transmitter and receiver aperture for dust accumulation and obstruction from residue. Clean as necessary. 4. Visually check the reflector for accumulation of dust, obstruction, or peeling. Clean as necessary. 	5	07		420	
INCLINE CONVEYOR 020: AIR FILTRATION ASSY	11.	<p>Check the lubricator oil level. Refer to MS-266 Volume B.</p> <ol style="list-style-type: none"> 1. Check the oil level in the Hopper vibrator oiler. 2. If necessary, add oil as required, in accordance with the most recent documentation covering this procedure, using pneumatic oil with a viscosity of 140 to 170 SUS at 100° F. 	6	07		1700	
INCLINE CONVEYOR 020: CLEAN - CHECK BELTS - LUBRICATE	12.	<p>Clean, check, and lubricate Incline and Over-thick Units:</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Turn Off and lock out the 3-phase, 208 VAC power that feeds the Main Power Distribution Unit prior to working on the Main Power Distribution Unit.</p>	40	09		5500	

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		<p>1. Clean Incline Conveyor power box. Vacuum the inside of the incline power box. Ensure all electrical connections are tight. Tighten as necessary.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 10px auto;">WARNING</div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <p>2. Follow local lockout procedures to power down and lockout facility power to Main Power Distribution Unit.</p> <p>3. Clean Main Power Distribution Unit. Vacuum the inside of the Main Power Distribution Unit. Ensure all electrical connections are tight. Tighten as necessary.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 10px auto;">WARNING</div> <p>Climbing on Incline Conveyor Module and Edging Channel Module is dangerous due to uneven and incline surfaces. Use ladder to access components on Incline Conveyor Module, Flat Overthick Separator Module, or Incline Overthick Separator Module that are not accessible from floor. Failure to comply may cause injury or death.</p> <p>4. Check Incline Conveyor belt and rollers.</p> <ol style="list-style-type: none"> a. Check the Incline Conveyor belt for wear and proper tracking. b. Check the Incline Conveyor and beater drive belts for wear and proper tension. c. Check all shaft set screws for tightness. 					
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		WARNING					
		<p>Various products requiring Material Safety Data Sheets (MSDS) may be utilized during the performance of this task. Ensure the current MSDS for each product used is on file and available to all employees. When reordering such a product, it is suggested that current MSDS be requested. Refer to MSDS for appropriate personal protective equipment.</p> <p>5. Lubricate Incline Conveyor bearings. Lubricate bearing assemblies on Incline Conveyor and beaters using lithium based NLGI grade 2 grease.</p> <p>6. Fill Incline Conveyor gear motors. Check oil level in Incline Conveyor and beater gear motors. Fill to proper level using AGMA #7 gear oil.</p>					
INCLINE CONVEYOR 020: AIR FILTERS	13.	<p>Incline Conveyor filter replacement.</p> <p style="text-align: center;">WARNING</p> <p>Climbing on Incline Conveyor Module and Edging Channel Module is dangerous due to uneven and incline surfaces. Use ladder to access components on Incline Conveyor Module, Flat Overthick Separator Module, or Incline Overthick Separator Module that are not accessible from floor. Failure to comply may cause injury or death.</p> <p>1. Locate the air filtration assembly on the Inclined Conveyor.</p> <p>2. Disassemble and clean the three filter assemblies.</p> <p>3. Replace the filters as required.</p> <p>4. Re-assemble the filter assemblies.</p>	13	07		11000	

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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Thresholds		
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OVER THICK 030: BELTS AND REAR COVER	14.	<p>Check Overthick Conveyor belts.</p> <p style="text-align: center;">WARNING</p> <p>Climbing on Incline Conveyor Module and Edging Channel Module is dangerous due to uneven and incline surfaces. Use ladder to access components on Incline Conveyor Module, Flat Overthick Separator Module, or Incline Overthick Separator Module that are not accessible from floor. Failure to comply may cause injury or death.</p> <ol style="list-style-type: none"> 1. Check all belts and rollers (above and below the deck) for wear and proper tension. Removal of cover on back of overthick conveyor is necessary. Check for mail. 2. Ensure all belts are tracking properly and have no frayed edges. 3. If any problems are found, write a work order to perform the necessary corrective actions. 	12	09		420	
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OVER THICK 030: BELTS ROLLERS AND LUBRICATE	15.	<p>Check Flat Overthick and Inclined Overthick Conveyor belts and rollers.</p> <p style="text-align: center;">WARNING</p> <p>Various products requiring Material Safety Data Sheets (MSDS) may be utilized during the performance of this task. Ensure the current MSDS for each product used is on file and available to all employees. When reordering such a product, it is suggested that current MSDS be requested. Refer to MSDS for appropriate personal protective equipment.</p> <p style="text-align: center;">WARNING</p> <p>Climbing on Incline Conveyor Module and Edging Channel Module is dangerous due to uneven and incline</p>	40	09		5500	
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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Thresholds		
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		<p>surfaces. Use ladder to access components on Incline Conveyor Module, Flat Overthick Separator Module, or Incline Overthick Separator Module that are not accessible from floor. Failure to comply may cause injury or death.</p> <ol style="list-style-type: none"> 1. Check Flat Overthick Conveyor Belt and Rollers. <ol style="list-style-type: none"> a. Check the Flat Overthick Conveyor belt for wear and proper tracking. b. Check the Flat Overthick Conveyor and drum roller drive belts for wear and proper tension. c. Using the GO / NO-GO gauges (NSN 3915-06-000-8521) from the AFCS Tool Kit (NSN 5180-06-000-8166), check at both ends and center of the drum. If checks fail, generate a work order and perform the complete check as outlined in MMO-001-09 or the most recent documentation covering this procedure. Make necessary adjustments using MS-266, Volume B, and re-test. d. Check all shaft set screws for tightness. e. Lubricate the bearing assemblies on the Flat Overthick Conveyor and drum rollers using lithium based NLGI grade 2 grease. f. Check the oil level in the drum roller gear motor. Fill to the proper level using AGMA #7 gear oil. 2. Check Inclined Overthick Conveyor Belt and Rollers. <ol style="list-style-type: none"> a. Check the Inclined Overthick Conveyor belt for wear and proper tracking. b. Check the Inclined Overthick Conveyor and drum roller drive belts for wear and proper tension. c. Using the GO / NO-GO gauges (NSN 					
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		<p>3915-06-000-8521) from the AFCS Tool Kit (NSN 5180-06-000-8166), check at both ends and center of the drum. If checks fail, generate a work order and perform the complete check as outlined in MMO-001-09 or the most recent documentation covering this procedure. Make necessary adjustments using MS-266, Volume B, and re-test.</p> <p>d. Check all shaft set screws for tightness.</p> <p>e. Lubricate the bearing assemblies on the Inclined Overthick Conveyor and drum rollers using lithium based NLGI grade 2 grease.</p>					
EDGING CHANNEL 040: PHOTOCELLS	16.	<p>Clean Edger/Extractor/Shingler photo cells.</p> <p>Ensure all photo sensors are clean. Clean as needed with soft, lint free cloth.</p>	2	07		30	
EDGING CHANNEL 040: BELTS AND ROLLERS	17.	<p>Visually check belts and rollers.</p> <ol style="list-style-type: none"> Visually examine belts for wear (frayed edges, shiny surface). Check rollers for dirt build up (above and below deck). Check rollers for missing keys. If any problems are found, write a work order to perform the necessary corrective actions. 	1	09		73	
FLATS EXTRACTOR: RUBBER ROLLERS	18.	<p>Check Pick-Off rubber rollers.</p> <p>Visually check the condition of rollers for any tears, cracks, or other visible damage. If it is necessary to replace the rubber rollers, write a work order to perform the necessary corrective actions.</p>	2	07		5500	
SHINGLER 060: SHOE ADJUSTMENT CHECKS	19.	<p>Check all shoe assembly adjustments.</p> <p style="text-align: center;">NOTE</p> <p>If the adjustments are found to be out of tolerance, write a work order to perform the appropriate corrective maintenance.</p> <ol style="list-style-type: none"> 1st shoe assembly. 	20	9		11000	

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		<ol style="list-style-type: none"> a. Check the distance from the tractor belt to the face of the shoe is set 25 to 27 mm. Adjust if required. b. Ensure the bracket misses the photocell mounting bracket. c. Check/Adjust spring force for a measurement of 0.40 to 0.48 lbs. <ol style="list-style-type: none"> 2. Check second Shoe Assembly. <ol style="list-style-type: none"> a. Check/Adjust the distance from the tractor belt to the face of shoe 14 to 15 mm by adjusting the stop screw. b. The face of the shoe should be approximately parallel to the tractor belt. c. Check/Adjust spring force to 0.32 to 0.38 lbs measured at the tip of the shoe, or adjust the bracket with the mounting screw in the center of the slot. 3. Check third Shoe Assembly. <ol style="list-style-type: none"> a. Check/Adjust the distance between the shoe and the tractor belt 11 to 12 mm by adjusting the stop screw. b. Check/Adjust the spring force to 0.3 to 0.35 lbs measured at the tip of the shoe, or adjust the bracket with the mounting screw to the center of the slot. 4. Check the fourth Shoe Assembly. <ol style="list-style-type: none"> a. Check/Adjust the distance between the shoe and the tractor belt 8 to 9 mm by adjusting the stop screw. b. Check/Adjust the spring force 0.3 to 0.35 lbs measured at the tip of shoe, or adjust the bracket with the mounting screw in the center of the slot. c. Check/Adjust the pinch roller spring force 1.0 to 1.2 lbs measured at the roller shaft, or adjust the distance between the spring and post and the knurled nut to a length 24 to 25 mm. d. Check/Adjust the outer guide approximately flush with or to the inside of the belt. 					
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		<p>e. Check/Adjust the inner guide on the outside of the mail path just behind the belt.</p> <p>5. Check the fifth Shoe Assembly.</p> <p>a. Check/Adjust the distance to just touch the belt.</p> <p>b. Check/Adjust the proximity switch to a gap 2 to 3 mm clearance with the actuator slot.</p> <p>c. The proximity switch bracket must be adjusted to align switch vertically and horizontally with the slot in the actuating arm.</p> <p style="text-align: center;">NOTE</p> <p>The continuation of the check with LEDs will be performed in the Power On tasks.</p> <p>6. Check the sixth Shoe Assembly.</p> <p>a. Check/Adjust the shoe just touches the belt.</p> <p>b. Check/Adjust the proximity switch for a gap 2 to 3 mm clearance with the actuator slot.</p> <p>c. The proximity switch bracket must be adjusted to align switch vertically and horizontally with the slot in the actuating arm.</p> <p style="text-align: center;">NOTE</p> <p>The continuation of the check with LEDs will be performed in the Power On tasks.</p> <p style="text-align: center;">NOTE</p> <p>Care must be taken that the slot in the shoe does not hang up on the proximity switch when opened greater than 18 mm.</p>					
SINGULATOR 70.1: BELTS AND HARDWARE	20.	<p>Do a visual inspection of the BDS Singulator Feeder.</p> <p>1. Validate that the pick-off belts are not</p>	4	09		30	

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		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		excessively worn or damaged, glazed, and capable of the supporting a complete tour. 2. Validate that the nylon flap and stripping flap are capable of supporting a complete tour. 3. Validate that the slide release lever opens the Feeder easily and does not bind. 4. If any problems are found, write a work order to perform the necessary corrective actions.					
SINGULATOR 70.1: BELTS AND ROLLERS	21.	Visually examine Singulator belts. 1. Check for wear (frayed edges, shiny surface) and rollers for dirt build-up (above and below deck). 2. If any problems are found, write a work order to perform the necessary corrective actions.	1	09		73	
SINGULATOR 70.1: PRE-SINGULATOR GUIDE	22.	Check the Pre-Singulator guides. 1. Check the Pre-Singulator Guides for proper orientation and for excessive wear and/or binding. 2. Check the paddle to ensure that the end of the paddle engages the pick-off belts by 1-2 mm.	2	09		73	
SINGULATOR 70.1: SINGULATOR FEEDER	23.	Clean P-SEN20 and P-LED20 assemblies. <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> PPE must be properly used as required by the current MSDS when using alcohol. Alcohol is a flammable liquid. Discard alcohol soaked materials according to local procedures to prevent spontaneous combustion. 1. Thoroughly clean transmit and receive ports of the P-LED20 and P-SEN20 modules using isopropyl alcohol on a cotton-tipped applicator. 2. Ensure that the P-SEN20 and P-LED20 air lines are connected to the assemblies. 3. Confirm the BDS finger engagement in the red pickoff belts is 1 +/- .5 mm.	1	07		1700	

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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.

SINGULATOR 70.1: FEEDER ADJUSTMENTS	24.	<p>Check BDS Singulator feeder adjustments.</p> <ol style="list-style-type: none"> 1. Check BDS Singulator Feeder adjustments that can be done with power off for proper tolerances in accordance with the most current technical documentation to determine if a complete feeder alignment is necessary. 2. If a feeder alignment is necessary, write a work order to perform the alignment. 	10	10		5500	
AUTOFEEDER 070.2: BELTS AND HARDWARE	25.	<p>Do a visual inspection of the Autofeeder.</p> <ol style="list-style-type: none"> 1. Validate that the pick-off belts are not excessively worn or damaged, glazed, and capable of the supporting a complete tour. 2. Confirm the Autofeeder finger engagement in the red pickoff belts is 1 +/- .5 mm. 3. Validate that the nylon pad and stripping pad are capable of supporting a complete tour. 4. Validate that the slide release lever opens the Feeder easily and does not bind. 5. If any problems are found, write a work order to perform the necessary corrective actions. 	4	09		30	
AUTOFEEDER 070.2: LED ASSEMBLIES	26.	<p>Clean P-SEN20 and P-LED20 assemblies.</p> <div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">WARNING</div> <p>PPE must be properly used as required by the current MSDS when using alcohol.</p> <p>Alcohol is a flammable liquid. Discard alcohol soaked materials according to local procedures to prevent spontaneous combustion.</p> <ol style="list-style-type: none"> 1. Thoroughly clean the transmit and receive ports of the P-LED20 and P-SEN20 modules using isopropyl alcohol on a cotton-tipped applicator. 2. Ensure that the P-SEN20 and P-LED20 air lines are connected to the assemblies. 	1	07		1700	
FINE CULL 080: DIVERTER	27.	<p>Check the Fine Cull #1 diverter.</p> <ol style="list-style-type: none"> 1. Check the Fine Cull diverter for ease of movement. 	1	07		73	

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Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		2. Visually check the diverter for binding, rubbing, loose hardware, or other visible damage.					
FINE CULL 080: PADDLE	28.	Check the Fine Cull paddle. Check the Fine Cull paddle for ease of movement and the absence of binding or rubbing.	1	07		73	
FINE CULL 080: PROFILE LEDS	29.	Clean profile sensors. <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>PPE must be properly used as required by the current MSDS when using alcohol.</p> <p>Alcohol is a flammable liquid. Discard alcohol soaked materials according to local procedures to prevent spontaneous combustion.</p> Thoroughly clean the front face through which the transmitter and the receiver sensor transmit and receive signal using isopropyl alcohol on cotton-tipped applicator.	2	07		420	
MANUAL FEEDER 100: BELTS AND HARDWARE	30.	Do a visual inspection of the Manual Feeder. 1. Validate that the pick-off belts are not excessively worn or damaged, glazed, and capable of the supporting a complete tour. 2. Check Strippers for even wear and make sure there is no excessive wear. 3. Validate that the nylon flap and stripping flap are capable of supporting a complete Tour. 4. Validate that the slide release lever opens the Feeder easily and does not bind. 5. Check for unobstructed mail path. 6. If any problems are found, write a work order to perform the necessary corrective actions.	4	09		30	
MANUAL FEEDER 100: ACC/ACP COMPUTER FILTERS	31.	Clean ACC/ACP Computer fans/filters. 1. Open the doors at the manual feeder to gain access to the 2 computers.	5	07		73	

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	0	3	A	F	C	S	2	0	0	A	A	0	0	1
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					Run Hours	Pieces Fed (000)	Freq.

		2. Check the filter in the outer door and replace if dirty (this filter is not cleaned, it is a throw away). 3. Open the door to the computer rack. 4. Open the doors located on front of the computers. 5. Remove the filters by pulling them upwards. 6. Clean filters/fans. 7. Reinstall filters. 8. Close all doors that were previously opened.					
MANUAL FEEDER 100: P-SEN10 P-LED10	32.	Clean P-SEN10 and P-LED10 assemblies. <div style="text-align: center; border: 1px solid black; padding: 2px;">WARNING</div> <p>PPE must be properly used as required by the current MSDS when using alcohol.</p> <p>Alcohol is a flammable liquid. Discard alcohol soaked materials according to local procedures to prevent spontaneous combustion.</p> 1. Thoroughly clean the transmit and receive ports of the P-LED10 and P-SEN10 modules using isopropyl alcohol on a cotton-tipped applicator. 2. Ensure that the P-SEN10 and P-LED10 air lines are connected to the assemblies.	1	07		1700	
MANUAL FEEDER 100: DRIVE CHAIN	33.	Clean and lubricate paddle drive chain. Refer to MS-266, Volume B. <div style="text-align: center; border: 1px solid black; padding: 2px;">WARNING</div> <p>Various products requiring Material Safety Data Sheets (MSDS) may be utilized during the performance of this task. Ensure the current MSDS for each product used is on file and available to all employees. When reordering such a product, it is suggested that current MSDS be requested. Refer to MSDS for appropriate personal protective equipment.</p>	3	07		1700	

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Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Thresholds		
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		When lubricating chains, gear motors, and bearing assemblies be sure to use the specified lubricant. Clean and lubricate the drive chain for the paddle. Use lightweight general purpose chain lubricant.					
MANUAL FEEDER 100: ALIGN AND ADJUST	34.	Check Manual Feeder adjustments. 1. Check Manual Feeder adjustments that can be done with power Off for proper tolerances in accordance with the most current technical documentation to determine if a complete feeder alignment is necessary. 2. If it is determined a feeder alignment is necessary, write a work order.	8	09		5500	
ACR 110: ROLLERS AND PLATE	35.	Clean and check ACR cameras and hardware. Refer to MS-266, Volume B. 1. Remove the camera faceplates. Check that the faceplates on the outside of the two cameras are clear of any foreign substance or dirt. Clean as required and replace. 2. Clean the cameras using the prescribed procedure in accordance with the most recent equipment documentation. 3. Check both camera foam rollers for any tears, cracks, or other visible damage.	4	07		30	
ACR 110: ADJUSTMENTS	36.	Check camera and roller adjustments. 1. Validate that the cameras are properly adjusted in relation to the belts. 2. Validate that the foam rollers are properly adjusted with relation to the belts and cameras in accordance with the most recent equipment documentation. 3. Validate that the air lines are connected to the camera.	5	09		420	
DOUBLES DETECTOR 120: CLEAN	37.	Clean Doubles Detector lens. Using a lens cleaning cloth or Microfiber gloves (NSN 8415-06-000-7500), wipe the glass cover on the Doubles Detector camera.	1	07		20	

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		0	3	A	F	C	S	2	0	0	A	A	0	0
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ				Occurrence ECBM				

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.
PRE ID DETECTOR 130.1: CLEAN	38.	Check and clean ID-Tag Reader and air filter. 1. Check ID Tag Pre-Reader read head faceplate, window, and reflector for accumulation of dried ink, dirt, or foreign matter. If needed, clean using lens cleaner and cotton-tipped applicator or a Microfiber glove or cloth, recommended cleaner is Riptide, NSN 6850-01-394-0164, and P/N RIP-TIDE-BX4EA. 2. Vacuum the air filter located on the face of the ICS Electronics Assembly.	3	07		73	
ID-TAG VERIFIER 130.2: CLEAN	39.	Check and clean ID-Tag Reader and air filter. 1. Check ID Tag Verifier read head faceplate, window, and reflector for accumulation of dried ink, dirt, or foreign matter. If needed, clean using lens cleaner and cotton-tipped applicator or a Microfiber glove or cloth, recommended cleaner is Riptide, NSN 6850-01-394-0164, and P/N RIP-TIDE-BX4EA. 2. Vacuum the air filter located on the face of the ICS Electronics Assembly.	3	07		73	
ID-TAG PREREADER AND VERIFIER: FILTERS	40.	Replace ID-Tag Pre-Reader and Verifier fan filters. 1. Replace both elements of the ID-Tag Pre-Reader ICS Reader Electronics assembly fan filter. 2. Replace both elements of the ID-Tag Verifier ICS Reader Electronics assembly fan filter.	4	07		11000	
FINE CULL #2 140: DIVERTER	41.	Check Fine Cull diverter hardware. 1. Check the Fine Cull diverter for ease of movement. 2. Visually check the diverter for loose hardware, binding, rubbing, or other visible damage.	1	07		73	
FINE CULL #2 140: STIFFNESS DETECTOR	42.	Fine Cull stiffness detector 1. Check the swing arm for ease of movement. 2. Ensure the bumpers are not worn and that the mechanism is adjusted correctly.	8	09		1700	

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Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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		3. With a digital force gauge, verify force required to pull roller assembly approximately 3 mm toward baseplate outer edge is 5 lb. If more extensive adjustment is needed generate a work order and perform the adjustment in accordance with the most recent documentation; currently that would be Volume B Alignment and Adjustment Procedures in the MS 266.					
FINE CULL #2 140: POWER BOXES A520/A521	43.	Clean Power Boxes A520/A521. 1. Open the doors to gain access to the 2 power boxes. 2. Remove the cover by loosening the thumb screws. 3. Clean out both power boxes. 4. Reinstall both covers. 5. Close the doors that were previously opened.	20	07		5500	
BYPASS INVERT DIVERTER: DIVERTER	44.	Check Inverter Diverter. 1. Check the diverter, by turning it, for ease of movement. 2. Check the diverter for loose hardware, binding, rubbing, or other visible damage.	1	07		73	
SBU #1 AND #2: DIVERTER	45.	Check SBU #1 and SBU #2 Diverter. 1. Check SBU#1 diverter. a. Check the Switch Back Unit diverter for ease of movement by turning it. b. Visually check the diverter for loose hardware, binding, rubbing, or other visible damage. 2. Check SBU#2 diverter. a. Check the Switch Back Unit diverter for ease of movement by turning it. b. Visually check the diverter for loose hardware, binding, rubbing, or other visible damage.	2	07		73	

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	0 3	A	F	C	S	2	0	0	A	A	0	0	1
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Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Thresholds		
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LUMIN DETECT 160: CLEAN	46.	<p>Check luminescent detector. Refer to MS-266, Volume B.</p> <p style="text-align: center;">WARNING</p> <p>Due to the heat generated by these lamps, ensure the machine has been powered down long enough for the lamps to be cool.</p> <ol style="list-style-type: none"> 1. Ensure the Detector read head is clear of any foreign debris or dirt, clean as required. 2. Confirm the air lines are connected to the read head and the inverter assemblies (air flows from the panel into the read head first and then on into the inverter second). 	2	07		73	
LUMIN DETECT 160: LAMP	47.	<p>Luminescent detector lamp replacement. Refer to MS-266, Volume B.</p> <p style="text-align: center;">WARNING</p> <p>Due to the heat generated by these lamps ensure the machine has been powered down long enough for the lamps to be cool.</p> <ol style="list-style-type: none"> 1. Ensure the lamp has cooled before continuing. 2. To gain access to the lamp, loosen the 3 screws located on the bottom of the assembly. 3. Remove the lamp assembly. 4. Remove the lamp. <p style="text-align: center;">NOTE</p> <p>Replace with Type: Mercury low pressure lamp Manufacturer: Osram Version: HNS S/E 9W 2G7.</p> <ol style="list-style-type: none"> 5. Replace the lamp. 6. Replace the lamp assembly. 7. Tighten the 2 thumb screws. 	8	09		22100	

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		8. Connect the D Sub connector X4.					
CANCELLER 170: IJC CHECK PURGE AND CLEAN	48.	<p>Perform the following on the ink jet canceller:</p> <p style="text-align: center;">WARNING</p> <p>Chemical proof goggles (with side shields), aprons, and rubber gloves must be worn when handling cancellation ink.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p style="text-align: center;">CAUTION</p> <p>Do not over tighten the ink bottle. Over tightening the ink bottle may cause the bottle cap to break.</p> <p style="text-align: center;">CAUTION</p> <p>Do not wipe or blot the printhead orifices. Wiping or blotting may clog the orifices.</p> <p style="text-align: center;">CAUTION</p> <p>Never wipe the engine.</p> <p style="text-align: center;">CAUTION</p> <p>Use manufacturer recommended clean wipes and foam swabs when performing the cleaning tasks associated with the IJC.</p> <p style="text-align: center;">CAUTION</p> <p>To avoid damaging the print engine, do not contact the bottle tip on the orifices.</p>	16	09		30	

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	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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		<p>CAUTION</p> <p>If cleaning areas around the printer not associated with the printer, put a blank test card or equivalent over print engine plate to protect it from cleaning agents.</p> <ol style="list-style-type: none"> 1. Visually check the ink bottles on the ink system of the IJC deck plate assembly. If an ink bottle is empty, replace by: <ol style="list-style-type: none"> a. Remove ink bottle ship cap from new ink bottle and install ship cap onto empty ink bottle. Discard empty ink bottle. b. Insert the new ink bottle into the ink bottle port, aligning the arrow with the mate line and tighten. 2. Clean print engine: <ol style="list-style-type: none"> a. Move springs away from the print head and lock in the maintenance position. b. Remove the top cover from the printhead using a 5 mm hex wrench. c. Insert two folded clean-wipes on each side of the print engine. Refer to latest documentation (currently MMO-061-06) for illustrations and information. <p style="text-align: center;">WARNING</p> <p>Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.</p> <ol style="list-style-type: none"> d. Spray print engine with 2 squirts of approved cleaning solvent (NSN 7930-07-000-4112). Let solvent soak for 30 minutes while continuing with other tasks. <ol style="list-style-type: none"> 3. After 30 minutes, continue with the following: <ol style="list-style-type: none"> a. Using cleaning swabs, clean dust and debris from the three holes and gap between print engines rub strip. Refer to latest documentation (currently MMO-061-06) for illustrations and information. 				
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		b. Remove clean wipes inserted in step 2.c, and clean this area, including the slots on both sides, with wipes and vacuum. Refer to latest documentation (currently MMO-061-06) for illustrations and information. 4. Purge the print heads: a. Move springs away from the printhead and lock in the maintenance position. b. Using only recommended clean wipes, fold three clean wipes in half, and place flat under the front of the engine. Do not touch print engine. c. While holding clean wipes in place, lightly press purge bulb through a full depression on the ink system until ink is expelled from orifice. Continue to hold clean wipes under print engine for approximately 15 seconds. Remove and discard. d. Using new clean wipes, wipe ink from printhead rub strip and front of print engine. e. Use cleaning solution and wipes to remove any excess ink or debris from guide springs. f. Pull pin up on guide springs and rotate toward print head orifices. Lower pin to lock springs in place. The short spring should just make contact with the rub strip, and the long spring should be flush to 1/8" from the surface of the rub strip. g. Reinstall top cover with 5 mm hex wrench.					
ID-TAG IJP 180.1: INK SUPPLY	49.	Validate ink/makeup level. <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p>	3	09		73	

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		0	3	A	F	C	S	2	0	0	A	A	0	0
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ				Occurrence ECBM				

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		<p>Open the door to the machine and the door on the IJP and validate that the level of ink and make-up fluid is greater than 1/8 full. If less than 1/8 full replace by:</p> <ol style="list-style-type: none"> 1. Remove the cap on the bottle in the IJP. 2. Remove and replace the old bottle. 3. Replace the cap on the new bottle. 4. Clean up any spilled or splattered ink. 5. Close the printer door and machine door. 					
ID-TAG IJP 180.1: PRINTHEAD	50.	<p>ID-Tag print head cleaning.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <ol style="list-style-type: none"> 1. Remove the print head from the machine and remove the outer cover. 2. Inspect the print head. 3. Clean print head if substantial ink build up is discovered. 4. Reinstall outer cover and install the printhead on the machine. 	6	09		73	
ID-TAG IJP 180.1: ID-TAG PRINTER DECKPLATE	51.	<p>Clean the area near the IJP print head.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <ol style="list-style-type: none"> 1. Check the area around the IJP print head for dirt and debris. Clean away dirt and debris. 2. Clean the area of any ink splatter using makeup fluid or other approved cleaner. 	2	07		73	

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ID-TAG IJP 180.1: VACUUM FILTER	52.	<p>Vacuum filter replacement.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p>Inside the IJP assembly locate, remove, and replace the vacuum filter referred to in the 37PC service manual.</p>	5	09		1700	
ID-TAG IJP 180.1: INK AND AIR FILTERS	53.	<p>Ink and air filter replacement.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p>Inside the IJP assembly locate, remove, and replace the primary ink filter, input air filter, and the filter tube assemblies in accordance with the most current technical documents covering this procedure.</p>	10	09		5500	
POSTNET IJP 180.2: INK SUPPLY	54.	<p>Check the POSTNET IJP ink supply.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p>Open the door to the machine and the door on the IJP. Validate that the level of ink and make-up fluid is greater than 1/8 full. If less than 1/8 full replace by:</p> <ol style="list-style-type: none"> 1. Remove the cap on the bottle in the IJP. 2. Remove and replace the old bottle. 3. Replace the cap on the new bottle. 4. Clean up any spilled or splattered ink. 5. Close the printer door and machine door. 	3	07		30	

U.S. Postal Service		IDENTIFICATION												
Maintenance Checklist		WORK CODE		EQUIPMENT ACRONYM				CLASS CODE		NUMBER		TYPE		
		0	3	A	F	C	S	2	0	0	A	A	0	0
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ				Occurrence ECBM				

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.

POSTNET IJP 180.2: PRINTHEAD	55.	<p>POSTNET IJP print head cleaning.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p>Remove the print head from the machine and remove the outer cover.</p> <ol style="list-style-type: none"> Inspect the print head. Clean print head if substantial ink build up is discovered. Reinstall outer cover and install the print head on the machine. 	6	09		73	
POSTNET IJP 180.2: POSTNET DECK PLATE	56.	<p>Clean the area near the IJP print head.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <ol style="list-style-type: none"> Check the area around the IJP print head for dirt and debris. Clean away dirt and debris. Clean the area of any ink splatter using makeup fluid or other approved cleaner. 	2	07		73	
POSTNET IJP 180.2: VACUUM FILTER	57.	<p>Vacuum filter replacement.</p> <p style="text-align: center;">WARNING</p> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p>Inside of the IJP assembly locate, remove, and replace the vacuum filter.</p>	5	09		1700	

U.S. Postal Service Maintenance Checklist		IDENTIFICATION													
		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

POSTNET IJP 180.2: INK AND AIR FILTERS	58.	Ink and air filter replacement. <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>When disposing of ink or ink saturated waste, refer to procedures outlined in current Material Safety Data Sheets (MSDS).</p> <p>Inside the IJP assembly locate, remove, and replace the primary ink filter, input air filter, and the filter tube assemblies.</p>	10	09		5500	
BAR CODE VERIFIER 190: CLEAN	59.	Check POSTNET Bar Code Verifier read head. 1. Check the Verifier read head to ensure it is clear of any foreign debris or dirt. 2. Clean as required.	2	07		30	
STACKER SECTION #1: ACR COMPUTER FILTER	60.	Clean ACR Computer fans/filters. 1. Gain access to the computer. 2. Check the filter in the outer door and replace if dirty (this filter is not cleaned, it is a throw away). 3. Open the door to the computer rack. 4. Open the doors located on front of the computers. 5. Remove the filters by pulling them upwards. 6. Clean filters/fans. 7. Reinstall filters. 8. Close all doors that were previously opened.	3	07		73	
STACKER SECTION #2: LABEL PRINTER	61.	Check tray label printer. 1. Visually check the label printer for sufficient paper stock to last during a full tour of operations. 2. Ensure paper stock is ready to be fed and all pathways are clear of obstructions/debris. 3. Clean exterior with general purpose cleaner.	3	07		73	
STACKER SECTIONS: POCKET	62.	Check the pocket diverters in both stacker sections #1 and #2.	2	07		73	

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	WORK CODE		EQUIPMENT ACRONYM					CLASS CODE		NUMBER		TYPE		
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Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

DIVERTERS		<ol style="list-style-type: none"> 1. Check each pocket diverter for ease of movement. 2. Visually check the diverter for loose hardware, binding, rubbing, or other visible damage. 3. Check pocket foam rollers for loose hardware, tears, frays, or other visible damage. 4. Write a work order for any corrective action needed. 					
AFCS-200 SYSTEM: POWER UP	63.	<p>Restore power to the equipment using the following reference.</p> <p>For detailed steps to properly power up the system refer to MS Handbook MS-266, Volume B, Section 3.2.1 and Section 3.2.2. Also ensure all local Lockout/Tagout procedures are adhered to.</p>	15	09		3	
AFCS-200 SYSTEM: EMERGENCY STOP SWITCHES	64.	<p>Check emergency stop switches.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Failure of any emergency stop switch must be corrected before returning the machine to operation.</p> <p style="text-align: center;">NOTE</p> <p>Check emergency stop switches. Check only one emergency stop switch with machine running. Check all other emergency stop switches with machine stopped.</p>	5	07			M

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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.

		<ol style="list-style-type: none"> 1. Activate each emergency stop switch. 2. Ensure that the red lamp in the body of the emergency stop switch lights and that there is an indication on the GUI. Replace any inoperative LED lamps. If replacement of LED lamp does not correct problem, notify supervisor. 3. Reset the emergency stop switch. 4. Ensure the emergency stop lamps go out on the operator control panel. 5. Repeat steps 1 through 4 for each emergency stop switch listed below. This list gives first the module followed by the quantity of emergency stop switches in said module. <ol style="list-style-type: none"> a. Incline Conveyor - 3 b. Over-thick Separator - 1 c. Edging Channel - 2 d. Flats Extractor - 1 e. Shingler - 2 f. Singulator - 2 g. Manual Feeder – 3 h. Leveler – 1 i. ACR – 1 j. Fine Cull #2 – 1 k. By-Pass Inverter – 1 l. Printer Module – 1 m. SBU #1 – 1 n. SBU #2 – 1 o. Cancellor Module - 1 p. Stacker Module #1 – Upper Tier 2 q. Stacker Module #2 – Lower Tier 2 r. OCP – 1 				
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U.S. Postal Service		IDENTIFICATION											
Maintenance Checklist	WORK CODE	EQUIPMENT ACRONYM					CLASS CODE		NUMBER			TYPE	
	0 3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM			

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.

AFCS-200 SYSTEM: INTERLOCK SWITCHES	65.	<p>Check interlock switches.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <p style="text-align: center;">WARNING</p> <p>Failure of any safety interlock switch must be corrected before returning the machine to operation.</p> <p style="text-align: center;">NOTE</p> <p>Check interlock switches. Check only one emergency interlock switch with machine running. Check all other interlock switches with machine stopped.</p> <p style="text-align: center;">WARNING</p> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <ol style="list-style-type: none"> 1. Open appropriate panel, door, or top cover. 2. Ensure that the red emergency stop lamp lights and that there is an indication on the GUI. Replace any burnt out lamps. If replacement of bulb does not correct problem, notify supervisor. 3. If applicable, ensure that the red jam lamp on the selected module flashes. 4. Close the panel, door, or top cover. 5. Ensure that the emergency stop lamp (or malfunction lamp) and red jam lamp (if applicable) extinguish. 	7	07			M
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U.S. Postal Service		IDENTIFICATION													
Maintenance Checklist		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		<p>6. Repeat steps 1 through 5 for each interlock stop switch listed in table below. This list gives first the module followed by the quantity of emergency stop switches in said module.</p> <ul style="list-style-type: none"> a. Hopper - 1 b. Incline Conveyor - 2 c. Overthick #1 and #2 - 10 d. Edging Channel - 3 e. Flats Extractor - 4 f. Shingler - 1 (Pre BDS Hood) g. Singulator - 5 h. Manual Feeder - 7 i. Leveler - 1 j. ACR - 3 k. Fine Cull #2 - 2 l. By-Pass Inverter - 2 m. Printer Module - 2 n. End of Facer Module - 1 o. SBU #1 - 2 p. SBU #2 - 2 q. Cancellor Module - 2 r. Stacker Module - 8 s. MIC 0 Control Box (under the Incline Conveyor) - 1 					
AFCS-200 SYSTEM: PREDICTIVE MAINTENANCE	66.	<p>Perform Predictive Maintenance.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p>	70	09		8000	

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM					CLASS CODE		NUMBER		TYPE		
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		<p>NOTE</p> <p>While performing these tasks make a note of any area where excessive vibration, noise, and/or heat are detected. Initiate a work order to cover any annotated area that requires additional investigation.</p> <p>A. Prepare Machine.</p> <p>Shutdown the AFCS200 System in accordance with the following reference:</p> <ol style="list-style-type: none"> For detailed steps to properly shut down the system refer to MS Handbook MS-266 Volume B Section 3.2.3. Printer Shutdown: <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;"> <p>CAUTION</p> </div> <p>Perform orderly shutdown of IJPs before removing power from AFCS 200. Failure to comply may cause IJP damage.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;"> <p>WARNING</p> </div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <ol style="list-style-type: none"> To access the printers, open rear doors (inside horseshoe) on Print and Switchback Module and Bypass, Invert, and Switchback Module. <p style="text-align: center;">NOTE</p> <p>Both IJPs can be shut down simultaneously.</p> <ol style="list-style-type: none"> Perform normal shut down of inkjet printers in accordance with the most recent documentation for the 37PC. Presently that would be the MS-224. Manual <ol style="list-style-type: none"> For detailed steps to properly shut down the system refer to MS Handbook MS-266 Volume B Section 3.2.3. 				
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U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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.

		<p>4. Open all necessary doors and panels. While opening necessary doors and panels ensure appropriate interlock switches are enabled to perform the following Predictive Maintenance tasks.</p> <p>5. Power Up System except for the IJPs.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;"> WARNING </div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <ol style="list-style-type: none"> a. Place Main Power Distribution Unit (PDU) CB1 in ON position. b. Press POWER ON button on OCP. c. Press power button on each of three 500 W UPSs. d. Open left door on ACR computer, ACP computer, and ACC computer front panels. e. Place power switch on ACR computer, ACP computer, and ACC computer in "ON" (I) position. f. The monitor will display the start up process and bring you to the Log In Screen. g. At the HMI under Processing, select <RUN>. h. Then select <Start Run> tab. i. Under "Mode" select <Maintenance Without Printing> from the drop down menu. j. Select <Start Run>. k. On the OCP verify Culler READY and Facer Ready Lamps are illuminated. l. Press the START CULLER and the START FACER push buttons on the OCP to start the machine. 				
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U.S. Postal Service		IDENTIFICATION									
Maintenance Checklist	WORK CODE	EQUIPMENT ACRONYM					CLASS CODE		NUMBER		TYPE
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Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ			Occurrence ECBM		

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.

Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req (min)	Min. Skill Lev	Run Hours	Pieces Fed (000)	Freq.
		<p align="center">NOTE</p> <p>The machine must have been running for minimum of 15 minutes prior to starting the Ultrasonic Scan Test.</p> <p align="center">WARNING</p> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <p>B. Ultrasonic scan tasks.</p> <ol style="list-style-type: none"> Ultrasonic scan conveyor section. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the conveyor sections for excessive vibration and noise. This includes the Incline Conveyor, Incline Overthick Separator, and Flat Overthick Separator. Check for compressed air leaks at valves, filters, and manifold. Ultrasonic scan edger channel. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Edging Channel for excessive vibration and noise. Ultrasonic scan flats extractor. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Flats Extractor for excessive vibration and noise. Ultrasonic scan Shingler. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Shingler for excessive vibration and noise. Ultrasonic scan singulator. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Singulator for excessive vibration and noise. Check for compressed air leaks at valves, filters, and manifold. Ultrasonic scan Automatic Feeder. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Automatic Feeder for excessive vibration and noise. 					

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	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		<p>7. Ultrasonic scan Manual Feeder. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Manual Feeder for excessive vibration and noise.</p> <p>8. Ultrasonic Leveler/ACR. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Leveler/ACR for excessive vibration and noise.</p> <p>9. Ultrasonic scan Fine Cull#2/Cancellor. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Fine Cull#2/Cancellor for excessive vibration and noise.</p> <p>10. Ultrasonic scan ByPass Inverter/SBU#2. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the ByPass Inverter/SBU#2 for excessive vibration and noise.</p> <p>11. Ultrasonic scan Printer/SBU#1. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Printer/SBU#1 for excessive vibration and noise.</p> <p>12. Ultrasonic scan Stacker Section. Use ultrasonic detector to monitor all bearing assemblies, top and bottom, of the Stacker Section for excessive vibration and noise.</p> <p>C. Tasks to perform the infrared scans.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <p style="text-align: center;">NOTE</p> <p>Open any additional doors and panels. While opening additional doors and panels to perform the infrared scans, ensure appropriate interlock switches are enabled to perform the following Predictive Maintenance tasks.</p>				
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U.S. Postal Service Maintenance Checklist	IDENTIFICATION												
	WORK CODE	EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0 3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

NOTE							
		<p>The machine must have been running for minimum of 15 minutes, (normally while doing the Ultrasonic Scans) and remain running when using non-contact infrared to obtain correct scans. Investigate cause of abnormal temperature and notify supervisor of necessary corrective action.</p> <ol style="list-style-type: none"> 1. Infrared scan Main Power Box. Use non-contact infrared to monitor the Main Power Distribution Panel for abnormal temperature. Scan all terminal connections and connector plugs 2. Infrared scan Incline Power Box. Use non-contact infrared to monitor the Incline Power Box assembly for abnormal temperature. Scan all terminal connections and connector plugs. 3. Infrared scan Conveyor. Use non-contact infrared to monitor the Conveyor section for abnormal temperature. This includes the Incline Conveyor, Flat Over-thick Separator, and Incline Over-thick Separator. Scan all motors, terminal connections, and connector plugs. 4. Infrared scan Edging Channel. Use non-contact infrared to monitor the Edging Channel for abnormal temperature. Scan motor, terminal connections, and connector plugs. 5. Infrared scan Flats Extractor. Use non-contact infrared to monitor the Flats Extractor for abnormal temperature. Scan motors, terminal connections, and connector plugs. 6. Infrared scan Shingler. Use non-contact infrared to monitor the Shingler for abnormal temperature. Scan motors, terminal connections, and connector plugs. 7. Infrared scan Singulator section and Power Distribution Box. Use non-contact infrared to monitor the Singulator for abnormal temperature. Scan Power Distribution Box, motors, terminal connections, and connector plugs. 					

U.S. Postal Service Maintenance Checklist		IDENTIFICATION													
		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		8. Infrared scan Auto Feeder. Use non-contact infrared to monitor the Auto Feeder for abnormal temperature. Scan motors, terminal connections, and connector plugs. 9. Infrared scan Manual Feeder. Use non-contact infrared to check the Manual Feeder for abnormal temperature. Scan all terminal connections and connector plugs. 10. Infrared scan Leveler/ACR section. Use non-contact infrared to check the Leveler/ACR section for abnormal temperature. Scan motors, terminal connections, and connector plugs. 11. Infrared scan Fine Cull/Cancellor section. Use non-contact infrared to monitor the Fine Cull/Cancellor section for abnormal temperature. Scan motor, terminal connections, and connector plugs. 12. Infrared scan Facer Power Distribution Box. Use non-contact infrared to monitor the Facer Power Distribution Box for abnormal temperature. Scan all terminal connections and connector plugs. 13. Infrared scan Variable Frequency Power Distribution Box. Use non-contact infrared to monitor the Variable Frequency Power Distribution Box for abnormal temperatures. Scan all terminal connections and connector plugs. 14. Infrared scan ByPass Inverter/SBU#2. Use non-contact infrared to monitor the ByPass Inverter/SBU#2 for abnormal temperature. Scan motors, terminal connections, and connector plugs. 15. Infrared scan Printer/SBU#1. Use non-contact infrared to monitor the Printer/SBU#1 for abnormal temperature. Scan motors, terminal connections, and connector plugs. 16. Infrared Stacker Section. Use non-contact infrared to monitor the Stacker Section for abnormal temperature. Scan motors, terminal connections, and connector plugs.					
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Maintenance Checklist		WORK CODE		EQUIPMENT ACRONYM				CLASS CODE		NUMBER		TYPE		
		0	3	A	F	C	S	2	0	0	A	A	0	0
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ				Occurrence ECBM				

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.

		<p>D. Restore equipment to ready status.</p> <p style="text-align: center;">WARNING</p> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <ol style="list-style-type: none"> 1. Perform System Shutdown, Power Down, and Lockout in accordance with the steps at the beginning of this task Item # A – 1, ignoring reference to the IJPs. 2. Replace all panels and doors. Ensure tools and materials are removed from work area. Replace all machine panels. Close all machine doors and covers. <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied.</p> <ol style="list-style-type: none"> 3. Prepare machine for power up: <ol style="list-style-type: none"> a. Restore equipment to service as prescribed by the current local procedure providing lockout/restore procedures, including power feed to the Main Power Distribution Cabinet, if necessary. <p style="text-align: center;">NOTE</p> <p>The doubles detector unit activates automatically when the AFCS is powered up. An audio announcement states what version of software is installed; then the doubles detector is operational.</p> <ol style="list-style-type: none"> b. Press POWER ON button on OCP. c. Place power switch on both IJPs in "ON" position and observe that both POWER ON indicators light on the IJP panels. d. Press Start/Stop button on IJP front panel. e. When Start/Stop LED stops flashing press PRINT button. 				
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	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		<div style="border: 1px solid black; padding: 2px; display: inline-block;">WARNING</div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <ul style="list-style-type: none"> f. Press power button on each of three 500 W UPSs. g. Open left door on ACR computer, ACP computer, and ACC computer front panels. h. Place power switch on ACR computer, ACP computer, and ACC computer in "ON" (I) position. i. Close left door on computer front panels. j. Computers will go through an orderly startup and the monitor will display these processes and bring you to the Log In screen. k. If problems occur with any of these procedures notify your supervisor. 					
HOPPER 010: OILER CHECK	67.	<p>Check Vibrator Hopper oil rate. Refer to MS-266, Volume B.</p> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> </div> <ul style="list-style-type: none"> 1. Start machine. 2. While machine is running, check for excessive oil at vibrator hopper. 3. Adjust air pressure accordingly: <ul style="list-style-type: none"> a. P1 = 35 PSI b. P2 = 80 PSI 	3	07		420	

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Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		c. P3 = Not used d. P4 = Not used 4. Turn the Site/Adjustment knob at the top of the lubricator so that there are 1 to 2 drops per minute. 5. Stop the Facer Cancellor after the vibrator hopper checks have been completed.					
SHINGLER 060: PROX SWITCHES	68.	Check Shingler proximity switches: <div style="border: 1px solid black; padding: 2px; text-align: center;">WARNING</div> Be cautious when working around or on equipment when power has been applied. Actuate three proximity switches and observe the LED function of each switch.	1	09		73	
SHINGLER 060: SHOE ASSEMBLYS	69.	Check all shoe assembly adjustments. NOTE If the adjustments are found to be out of tolerance, write a work order to perform the appropriate corrective maintenance. 1. On the first shoe assembly adjust the proximity switch to deactivate after 2-3 mm of shoe movement, i.e. indicator lamp goes out. 2. On the fifth shoe assembly check/adjust the position of the switch bracket such that the proximity switch deactivates (Turns Off) when distance is 5 to 6 mm between belt and shoe. 3. On the sixth shoe assembly check/adjust the position of the switch bracket such that the proximity switch deactivates (Turns Off) when the distance is 17 to 18 mm between belt and shoe. NOTE Care must be taken that the slot in the shoe does not hang up on the proximity switch when opened greater than 18 mm.	2	09		11000	

U.S. Postal Service Maintenance Checklist		IDENTIFICATION													
		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

SINGULATOR 070: LEDS	70.	<p>Check LEDs associated with the Singulator.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied.</p> <ol style="list-style-type: none"> 1. Check the alignment of the P-SEN20 and the P-LED20. Via the LEDs on the P-SEN20, validate that all of the sensors are operational and not blocked. 2. Check the sensor that monitors the position of the Singulator Guide Fingers and trips when there is a 4 mm gap between the end of the fingers and the pick-off belts. 3. Actuate the proximity switches and observe that the LED functions for each switch. 4. Confirm the yellow LED on the BDS fingers turns off at 5.0 mm using the appropriate gage. 	1	09		3	
AUTOFEEDER: LEDS	71.	<p>Check LEDs associated with the Automatic Feed as well as the Vacuum Chamber.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied.</p> <ol style="list-style-type: none"> 1. Check the alignment of the P-SEN20 and the P-LED20. Via the LEDs on the P-SEN20, validate that all of the sensors are operational and not blocked. 2. Actuate the proximity switches and observe that the LED functions for each switch. 3. Make sure the vacuum chamber is aligned parallel to the pick off belts and just touching the pick off belts. 4. If any problems are encountered generate a work order to do corrective maintenance. 	1	09		3	

U.S. Postal Service		IDENTIFICATION												
Maintenance Checklist		WORK CODE		EQUIPMENT ACRONYM					CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

FINE CULL 080: POCKET FULL SWITCH	72.	<p>Check the Fine Cull pocket full switch.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> 1. Start the machine. 2. When the belts are moving, pull the Fine Cull paddle to the 75% full position and you should get a warning on the GUI. 3. Move the paddle to the 100% position and the machine should stop, validate that the machine stops and reports the pocket full. 	1	07		73	
FINE CULL 080: PROFILE LEDS	73.	<p>Check the Profile Sensor LEDs for proper operation.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied.</p> <p>Verify that the LED illuminates when an obstruction is located at threshold value.</p>	1	09		420	
FINE CULL 080: METAL DETECTOR	74.	<p>Check the Excessive Fine Cull #1 metal rejects.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p>	5	09		420	

U.S. Postal Service Maintenance Checklist		IDENTIFICATION													
		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		1. Verify that the LED turns on when a piece of metal is brought in the proximity of sensor. 2. Check alignment of metal detector for proper operation in accordance with the most recent documentation covering this procedure.					
MANUAL FEEDER 100: LEDS	75.	<p>Check the alignment of the P-SEN10 and P-LED10, Prox Switches and Vacuum Chamber.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied.</p> 1. Check the alignment of the P-SEN10 and the P-LED10. Via the LEDs on the P-SEN10, validate that all of the sensors are operational and not blocked. 2. Actuate the proximity switches and observe that the LED functions for each switch. 3. Make sure the vacuum chamber is aligned parallel to the pick off belts and just touching the pick off belts. 4. If any problems are encountered generate a work order to do corrective maintenance.	1	09		3	
ACR 110: CALIBRATION	76.	<p>Perform ACR camera calibration.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> Perform a camera calibration on both ACR Cameras in accordance with the most recent documentation covering this procedure.	5	10		420	

U.S. Postal Service Maintenance Checklist	IDENTIFICATION												
	WORK CODE	EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0 3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200				Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

LUMIN DETECT 160: CALIBRATION	77.	<p>Perform a calibration of the Luminescent Detector.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <p>Perform the calibration of the Luminescent Detector in accordance with the most recent documentation covering this procedure.</p>	5	10		420	
PRE ID DETECTOR 130.1: FANS	78.	<p>Check the ID-Tag Pre-Reader fan and power supply fan.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied.</p> <ol style="list-style-type: none"> 1. Check the ID-Tag Pre-Reader Fan. <ol style="list-style-type: none"> a. Check that there is no light emitting from the read head before making the following visual check. b. Visually check the Electronics fan located behind the halogen lamp to be rotating at a high speed. A light source may be required to view the rotation. 2. Visually check the ID-Tag Pre-Reader Power Supply Fan and verify it is rotating at a high speed. 	2	09		420	

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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.

ID-TAG VERIFIER 130.2: FANS	79.	<p>Check the ID-Tag Verifier fan and power supply fan.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">WARNING</div> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied.</p> <ol style="list-style-type: none"> 1. Check the ID-Tag Verifier Fan. <ol style="list-style-type: none"> a. Check that there is no light emitting from the read head before making the following visual check. b. Visually check the Electronics fan located behind the halogen lamp to be rotating at a high speed. A light source may be required to view the rotation. 2. Visually check the ID-Tag Verifier Power Supply Fan and verify it is rotating at a high speed. 	2	09		420	
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ID-TAG PREREADER AND VERIFIER: ELECTRICAL ENCLOSURES	80.	<p>ID Tag Pre-Reader and Verifier System electrical enclosure inspection.</p> <div style="text-align: center; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied.</p> <p>Use the most recent Maintenance Management Order, currently MM0-113-08, concerning ICS ID-Tag reader system electrical enclosure inspection to perform procedures on the two ICS readers in order to locate enclosures with defective power supplies, switches not configured properly, incorrect lamps, and lamps not installed properly. Manual</p>	10	10		1700	
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U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM					CLASS CODE		NUMBER		TYPE		
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

BAR CODE VERIFIER 190: CALIBRATION	81.	<p>Perform a Verifier System calibration.</p> <p style="text-align: center;">WARNING</p> <p>Before performing the following steps you must don the appropriate PPE as required by the current Electrical Work Plan (EWP) MMO.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <p>Perform the Bar Code Verifier System calibration in accordance with the most recent documentation covering this procedure.</p>	5	10		5500	
FINE CULL #2 140: PROX SWITCHES	82.	<p>Check the Fine Cull stiffness detector proximity switch. Refer to MS-266, Volume B.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied.</p> <p>Actuate the proximity switch and observe the LED functions of the switch.</p>	1	07		420	
SBU #1 AND SBU #2: MAINTENANCE TEST	83.	<p><u>SBU 1 SBU 2 test.</u></p> <ol style="list-style-type: none"> 1. Enter maintenance test SBU 1-SBU 2 tests. 2. Run approx 100 test deck cards. 3. Verify zero pieces are in the SBU's reject pocket. 4. Verify test cards in Stacker pocket are not damaged or folded. If either exists, write a work order to adjust SBU belt tensions as needed. (SBU1 = bin 5 SBU2 = bin 11). 	3	09		420	

U.S. Postal Service		IDENTIFICATION													
Maintenance Checklist		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

STACKER SECTIONS: BIN SWITCHES	84.	<p>Check Stackers pockets paddles and switches.</p> <div style="border: 1px solid black; padding: 2px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> 1. Press the START FACER pushbutton on the Operator Control Panel. 2. Ensure the belts are moving. 3. Check all of the stackers bin switches using the red indicator lamps on the face of the stacker bin as follows: <ol style="list-style-type: none"> a. Pull the pocket paddle back to the 75% position. Ensure that the red lamp flashes. b. Pull the pocket paddle to the 100% position. Ensure that the red lamp is on steady. c. Ensure the paddle rides smoothly and that there is consistent spring tension. 4. Press the STOP Pushbutton on the Operator Control Panel. 	5	07		420	
STACKER SECTION #2: LABEL PRINTER	85.	<p>Check the tray label printer for faults.</p> <div style="border: 1px solid black; padding: 2px; text-align: center; width: fit-content; margin: 10px auto;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied.</p> <ol style="list-style-type: none"> 1. Ensure unit has input power and is free of faults. 2. Print a test card by pressing one of the bin label print selection switches next to the OCP. 3. Last run sortplan information will be printed. 	1	09		420	

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM					CLASS CODE		NUMBER		TYPE		
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.
VALIDATION 900: POSTNET IJP AND VERIFIER	86.	<p>Perform an operational verification of the POSTNET IJP and the POSTNET Verifier.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> Obtain 5 blank cards. On the GUI select "Maintenance" and then "Sortcode". Enter the required sortcode information. Start the machine. At the Manual Feeder, run the 5 cards one at a time. After each card has been run, validate on the GUI that each card was verified. Validate that the cards were sorted to the proper bin. Verify the Bar Code location on the mail piece. If not correct write a work order to correct. Stop the machine. 	2	09		3	
VALIDATION 900: ID-TAG PRINTER AND VERIFIER	87.	<p>Perform an operational verification of the ID TAG IJP and the ICS ID TAG Verifier.</p> <p style="text-align: center;">WARNING</p> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> Obtain 5 blank cards. On the GUI select "Maintenance" and then "ID TAG". 	2	09		3	

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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.

		<ol style="list-style-type: none"> 3. Enter the required information. 4. Start the machine. 5. At the Manual Feeder, run the 5 cards one at a time. After each card has been run, validate on the GUI that each card was verified. 6. Validate that the cards were sorted to the proper bin. 7. Verify the Bar Code location on the mail piece. If not correct, write a work order to correct. 8. Stop the machine. 					
VALIDATION 900: ID-TAG PRE-READER	88.	<p>Perform an operational verification of the ICS ID TAG pre-reader.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> 1. Locate the 5 cards used to validate the ID TAG printer. 2. On the GUI select "Processing" and then "Run". 3. Enter the required information. 4. Select the "Last 100" screen. 5. Start the machine. 6. At the Manual Feeder, run the 5 cards one at a time. After each card has been run, validate on the GUI that each card was read properly at the pre-reader. 7. Stop the machine. 	2	09		3	

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM					CLASS CODE		NUMBER		TYPE		
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200					Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

VALIDATION 900: IJC PRINT QUALITY	89.	<p>Perform an operational verification of the Ink Jet Cancellor.</p> <div style="border: 1px solid black; padding: 2px; text-align: center; margin: 10px 0;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> 1. Obtain 5 blank cards. 2. On the GUI select "Processing" and then "Cancel Only". 3. Enter the required information. 4. Start the machine. 5. At the Manual Feeder, run the 5 cards one at a time. 6. Stop the machine. 7. Locate the cards in the bins and validate that the cards were printed and that the print quality is acceptable. 	2	09		3	
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VALIDATION 900: ACR CAMERA AND COMPUTER	90.	<p>Perform an operational verification of the ACR cameras and computer.</p> <div style="border: 1px solid black; padding: 2px; text-align: center; margin: 10px 0;">WARNING</div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <ol style="list-style-type: none"> 1. Obtain an ACR camera calibration card. 2. On the GUI select "Maintenance" and then "ACR". 3. Start the machine. 4. Note the orientation and run the calibration card. 	3	09		3	
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U.S. Postal Service Maintenance Checklist		IDENTIFICATION													
		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM				

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.

		5. View the image of the card on the GUI and validate that the horizontal and vertical location is correct. 6. View the image and validate that the image quality is acceptable. 7. Change the calibration card orientation for the other camera and repeat the validation.					
VALIDATION 900: DOUBLES DETECTOR	91.	<p>Perform an operational verification of the Doubles Detector.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin: 10px 0;"> WARNING </div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <p>Run the doubles detector test deck, NSN 3915-07-000-4327. Refer to the latest documentation (currently MMO-029-05) for illustrations and information.</p>	2	09		3	
FINAL-CLEANUP	92.	<p>Clean up.</p> 1. Ensure all tools, lubricant, rags, etc., are removed from the work area. 2. Ensure all equipment panels and covers are in place. 3. Update tasks completed in eCBM section of the eMARS server and follow local procedures to submit completions. 4. Report all deficiencies to supervisor and generate a work order, per local standard operating procedures, to document and initiate corrective maintenance activity. Annotate deficiencies found and repairs made in the equipment logbook.	10	09			

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	3	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence ECBM			

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.

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ATTACHMENT 3

AFCS200 MASTER CHECKLIST

09-AFCS200-AA-001-M

Operational Maintenance

Time Total: 73 minutes

Based on a 4 hour operation.				
	Index #	Base Time	Multiple	Totals
Start Tr	1	1	1	1
Start Tr	2	1	1	1
Start Tr +				
every hr	3	1	4	4
Start Tr	4	2	1	2
every hr	5	5	3	15
every hr	6	3	3	9
every hr	7	1	3	3
every hr	8	1	3	3
every hr	9	1	3	3
every hr	10	4	3	12
every 2hr	11	5	2	10
End Tr	12	10	1	10
				73

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	9	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence Tourly			

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.

SAFETY STATEMENT	1.	<p>COMPLY WITH ALL SAFETY PRECAUTIONS. Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shutdown and lockout this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found notify supervisor prior to proceeding with any further action on the equipment.</p> <p>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.</p> <p>WARNING FOR EWP/PPE: Steps contained in this bulletin may require the use of Personal Protective Equipment (PPE). Refer to the current Electrical Work Plan (EWP) MMO for appropriate PPE requirements.</p>	1	All			
OPERATIONAL: ELECTRONIC LOG	2.	<p>Read Electronic Log at beginning of the operational tour.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; width: fit-content; margin: 10px auto;"> WARNING </div> <p>Be cautious when working around or on equipment when power has been applied. This task requires that the machine be running. Take precautions to prevent hair, clothing, jewelry, tools, and test equipment from being caught in moving parts.</p> <p>Check Electronic Log for unresolved or suspected problem entries from previous tour. Bring forward any unresolved problems.</p>	1	09			T

U.S. Postal Service Maintenance Checklist		IDENTIFICATION													
		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	9	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence Tourly				

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.

		NOTE					
		Operational checks must be made with machine processing mail in a normal operating mode.					
OPERATIONAL: SDO	3.	<p>Check with operational supervisors at beginning of Tour and every hour after.</p> <p>Verify that the mail processing personnel are not experiencing significant problems operating the AFCS. Verify that mail processing personnel are not having frequent jams, phantom stops, or any other problems which affect system performance</p>	1	09			T
OPERATIONAL: WARNING LAMPS AND INDICATORS	4.	<p>Observe the machine on start up at beginning of the operational tour.</p> <ol style="list-style-type: none"> The lamps should be seen and the horns heard in vicinity of the machine after either START CULLER or START FACER/CAN pushbuttons have been pressed. Horns and lamps should not be covered to muffle sound or inhibit illumination. Ensure that an intermittent horn on fine cull and overthick modules sound for approximately 5 seconds after Start pushbutton is pressed before machine starts. Ensure flashing lamps on fine cull and overthick modules flash continuously from the time either Start pushbutton is pressed until the machine starts. 	2	09			T
OPERATIONAL: MACHINE OPERATION	5.	<p>Every hour observe machine operation.</p> <p>Determine the source of any strange or unusual noises or odors. Generate a work order to correct any abnormalities found and ensure all EWP/PPE policies are adhered to before starting that task.</p>	5	09			T
OPERATIONAL: REPORT ANALYSIS	6.	<p>Every hour run and analyze reports.</p> <ol style="list-style-type: none"> Print and analyze the run reports for current run. Be alert for abnormal data concerning: 	3	10			T

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	9	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence Tourly			

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.

		<ul style="list-style-type: none"> a. Pieces Fed b. Pieces Accepted c. Bypass Pieces d. Over Length e. Multi-Indicia f. OSS percentage g. Unfaced percentage h. Multi-Indicia percentage <p>2. Check the report for excessive:</p> <ul style="list-style-type: none"> a. Jams b. Machine Stop and fault listings c. Fine culling at Fine Cull one and two <p>3. Generate a work order to correct any abnormalities found and ensure all EWP/PPE policies are adhered to before starting that task.</p>					
OPERATIONAL: SINGULATOR FEEDER	7.	<p>Every hour check BDS #1 Singulator feeder operation.</p> <ul style="list-style-type: none"> 1. Observe feeder for proper operation. Feed should be smooth and constant. Be observant of foreign matter accumulation. 2. Ensure feeder belts are tracking properly. 	1	09			T
OPERATIONAL: AUTOFEEDER	8.	<p>Every hour check BDS #2 Auto Feeder operation.</p> <ul style="list-style-type: none"> 1. Observe feeder for proper operation. Feed should be smooth and constant. Be observant of foreign matter accumulation. 2. Ensure feeder belts are tracking properly. 	1	09			T
OPERATIONAL: MANUAL FEEDER	9.	<p>Every hour check Manual Feeder, if in use.</p> <ul style="list-style-type: none"> 1. Observe feeder for proper operation. Feed should be smooth and constant. Be observant of foreign matter accumulation. 2. Ensure feeder belts are tracking properly. 	1	09			T

U.S. Postal Service Maintenance Checklist	IDENTIFICATION													
	WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
	0	9	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence Tourly			

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.

OPERATIONAL: SORT AND MAIL QUALITY	10.	<p>Every hour check the Stacker Section for sort, cancellation mark, and bar-code quality.</p> <p>Check the sort stackers for proper mail placement and stack quality.</p> <ol style="list-style-type: none"> 1. Obtain a quantity of mail pieces from each stacker, one sort stacker at a time and check the mail pieces for: <ol style="list-style-type: none"> a. Validity of mail piece placement corresponding to the mail category assigned to that stacker by sort scheme. b. Acceptable Cancellation Mark. If the cancel mark is not in accordance with CANCELLATION STANDARDS placard (MTSC P/N 030084) do the following: <ol style="list-style-type: none"> 1) Check ink bottles if empty - replace. 2) If needed, purge the print-heads. c. Acceptable ID Tag. Ensure the ID Tag is printed clear and verifiable. d. Acceptable POSTNET. Ensure the bar code is printed within POSTNET specifications. e. Return mail pieces to sort stacker. 2. Validate that the mail in the end stacker pocket is not excessive and has been properly bypassed. 	4	09			T
OPERATIONAL: DETECTION UNITS	11.	<p>After two hours check faceplates and/or areas associated with the detection devices on the AFCS200 system.</p> <p>Ensure the faceplates and/or areas on the following units are clear of debris and any foreign matter that would cause degradation in quality of operations.</p> <ol style="list-style-type: none"> 1. Pre-ID Detector 2. Doubles Detector 3. Id-Tag Verifier 4. POSTNET Verifier 	5	09			T

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		WORK CODE		EQUIPMENT ACRONYM						CLASS CODE		NUMBER			TYPE
		0	9	A	F	C	S	2	0	0	A	A	0	0	1
Equipment Nomenclature Advanced Facer Cancellor Sys		Equipment Model AFCS200						Bulletin Filename MM10127AJ			Occurrence Tourly				

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.

		5. ACR Cameras 6. Luminescent Detector					
OPERATIONAL: COMPILE RUN INFORMATION	12.	At the end of the operation, compile the following information: 1. Interim reports taken during the operational run with any abnormalities noted and/or highlighted. 2. Route sheet information. 3. Any work orders generated. 4. Make entries in machine electronic logbook of any discrepancies found during the mail run or pertinent information that would be relevant to the next tour. 5. Update and complete any eCBM entries. 6. Turn in this information to maintenance supervision and brief the maintenance personnel coming on duty.	10	09			T