MAINTENANCE TECHNICAL SUPPORT CENTER MAINTENANCE OPERATIONS / UNITED STATES POSTAL SERVICE

Maintenance Management Order



SUBJECT: Preventive Maintenance (PM) Guidelines for the

Dedicated Tag Blaster System and the

Universal Tag Blaster System (TAGBLSTR)

DATE: November 28, 2011

MMO-146-11

FILE CODE: F18

NO:

TO: All Tag Blaster Offices same:mm10069af

Bulletin has been updated to reflect removal of paragraph associated with eCBM based PMs, since this is a calendar based PM.

This Maintenance Management Order (MMO) supersedes MMO-118-06. This MMO provides updated Preventive Maintenance Guidelines for newly modified Dedicated Tag Blaster (TAGBLSTR), class code AA, and the Universal Tag Blaster Systems (TAGBLSTR), class code AB. The Universal Tag Blaster, class code AB, includes some modified Dedicated Tag Blasters in which the head operates vertically as the Universal Tag Blaster does.

The Tag Blaster Training DVD contains the audio visual instructions for performing preventive maintenance Tasks. This DVD was sent out with the modification kit but can also be obtained from Topeka Material Distribution Center. The national stock number is 6910-13-000-2890 and part number is TGBM194K3.24REVA. The USPS Course Number is 55603-10.

The workhours represented in this MMO reflect the maximum workhours required to maintain the equipment. Given local conditions, management may modify task frequencies.

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

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

Web Access: https://www1.mtsc.usps.gov

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

Steps in this procedure may require you to wear Personal Protective Equipment (PPE). Level 2 PPE must be worn when a step requires PPE. This includes appropriate gloves, safety glasses, and an 8 cal/cm² lab coat or smock.

WARNING

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

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

Robert E. Albert

SobilEC

Manager

Maintenance Technical Support Center

Maintenance Operations

- 1. Summary of Workload Estimate for Dedicated and Universal Tag Blasters
- 2. TAGBLSTR Master Checklist: 03-TAGBLSTR-**-001: Daily
- 3. TAGBLSTR Master Checklist: 03-TAGBLSTR-**-002: Weekly
- 4. TAGBLSTR Master Checklist: 03-TAGBLSTR-**-003: Quarterly

SUMMARY

WORKLOAD ESTIMATE

FOR

DEDICATED AND UNIVERSAL TAG BLASTERS

** Class Codes: AA, AB

SUMMARY WORKLOAD ESTIMATE FOR DEDICATED AND UNIVERSAL TAG BLASTERS

Dedicated Tag Blaster

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Operation	on Servicing	Repair*	+ Repair	productive	Per	Tot	al Servi	cing
	(hrs/yr)	(hrs/yr)	Time	Time**	Machine	1 Tour	2	3
			(hrs/yr)	(hrs/yr)	(hrs/yr)	(hrs/yr)	Tours	Tours
						00	(hrs/yr)	(hrs/yr)
							00	00
5	75.467	15.093	90.560	9.056	99.616			
6	88.467	17.693	101.160	10.616	116.776			
7	101.467	20.293	121.760	12.176	133.936			

Universal Tag Blaster

				0	i rag biao				
ı				Routine		Total	0	peration	al
		Routine		Servicing	Non-	Servicing	Mai	ntenand	e +
	Operation	Servicing	Repair*	+ Repair	productive	Per		al Servi	cing
		(hrs/yr)	(hrs/yr)	Time	Time**	Machine	1 Tour	2	3
				(hrs/yr)	(hrs/yr)	(hrs/yr)	(hrs/yr)	Tours	Tours
							00	(hrs/yr)	(hrs/yr)
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	5	87.600	17.520	105.120	10.512	115.632			
	6	102.333	20.467	122.800	12.280	135.080			
ı	7	117.067	23.413	140.480	14.048	154.528			

NOTES:

*Repair estimates based on 20% of servicing.

**Based on 10% of total servicing and repair.

TAGBLSTR MASTER CHECKLIST

03-TAGBLSTR-**-001

DAILY

TAGBLSTR-AA: 15 Minutes TAGBLSTR-AB: 17 Minutes

Refer to MS-244 if additional maintenance information is required.

** Class Codes: AA, AB

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Maintenance	Checklist									ASS ODE		NUN	/IBER	TYPE
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	-						'	IVIIVIIC	7003A				Daily	
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SYSTEM	2. Ensure	Tag Bla	ster is	on.					1	7				

2 Attachment 2

 Ensure Tag Blaster is on and air pressure is applied. The green Start light is illuminated.

2. Lock out the conveyor under the Tag Blaster using the current local lockout procedure.

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** Class Codes: AA,	AB						
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time	Min. Skill		Threshold	s
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ENCLOCURE		Vorification and account		1 7		1	<u> </u>
ENCLOSURE ASSEMBLY	3.	Verify air pressure.	2	7			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Verify air pressure is between 80 and 85 PSI on PG1 on the side of the enclosure assembly. Notify supervisor if air pressure is not correct.					
		Verify that there is no fluid in the inspection glass.					
		3. If fluid is present:					
		a. Turn off facility air to the Tag Blaster.					
		 b. Hold a cup under the drain valve and drain the fluid from the inspection glass by pressing and holding drain release valve until all the fluid is drained. 					
		c. Turn on facility air.					
HEAD ASSEMBLY	4.	Verify air pressure.	2	7			
		1. Unlatch and open clear, rear plastic cover.					
		 Verify air pressure is 25 PSI on PG2 (top air pressure gauge). Notify supervisor if air pressure is not correct. 					
		 Verify air pressure is 8 PSI on PG3 (bottom air pressure gauge). Notify supervisor if air pressure is not correct. 					
		4. Close and latch clear, rear plastic cover.					
HEAD ASSEMBLY	5.	Universal model only.	2	7			
		Verify smooth head movement up and down by blocking and unblocking both flats tray sensors one at a time. Notify a supervisor if there is a problem with having a smooth head movement.					
MACHINE	6.	Power down and lockout power.	1	All			
		Power down the Tag Blaster. Unplug the Tag Blaster and install the plug in a plug caddy. Lockout pneumatic air pressure as prescribed by the current local lockout instructions providing lockout/restore procedures.					
MACHINE	7.	Check ink cartridge.	3	7			
BACKPLANE ASSEMBLY		Check ink cartridge ink levels. Replace ink cartridge if ink levels are too low.					

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Equipment Nomenclature Tag Blaster		า	Equipm	ent	Model				E	Bulletin F MM	ilename 10069 <i>P</i>	١F	F	reque		aily	
** Class Codes: AA,	AB																
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		3. For still able appl the t tip to cartr tip vigor step	e ink cartridges. Use a folded paper el and press firmly on the cartridge tips. Itly squeeze the cartridge. ink cartridges that have been in use and have a sufficient level of ink that are no to be primed, replace the ink cartridge ficator tip. Remove the ink cartridge from ag blaster. Use the ink removal applicato bol to remove it by prying it off the inlidge. Press a new ink cartridge applicato into place. Shake the ink cartridge rously and prime the ink cartridge as in 2 above. Reinstall ink cartridge back in plaster. WARNING								ot e m or k or e n						
			autious oment ed.			vorki	ing a	roun has		or on been							
TAG BLASTER	8.	Blaster a local lo restore	ed.								e t/	A	.II				
MACHINE	9.	labe veri Pro com sup	els to fy pro per ca apletely	te: per nce the if	st Ta r car ellatio rough	ag E ncella n is eacl	Blaste ations a v h bar	r op tak wide, code	era ing d . N	ne D&l ation t g place lark lin lotify th with th	o e. e	7	7				

4 Attachment 2

Ensure all tools, lubricants, rags, etc., are removed from the work area. Report all

1

All

Return Tag Blaster to service.

deficiencies to your supervisor.

2.

10.

Clean up.

TAGBLSTR MASTER CHECKLIST

03-TAGBLSTR-**-002

WEEKLY

TAGBLSTR-AA: 11 Minutes TAGBLSTR-AB: 15 Minutes

Refer to MS-244 if additional maintenance information is required.

** Class Codes: AA, AB

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MACHINE	2.	Power	dow	n an	d lo	ock c	ut p	owei					2	All				
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Tag Blaster System									M	M10	069AF	'		We	ekly	1
** Class Codes: AA AB																

Class Codes: AA, AB Part or Item Task Statement and Instruction Est. Min. Thresholds Component No (Comply with all current safety precautions) Time Skill Req Lev Run Pieces Weeks (min) Hours Fed (000)3. Close and latch the black, front plastic cover. Clean both tray height sensors and reflectors CONVEYOR 4. 2 7 (Universal Tag Blaster only): Use a slightly dampened lint-free cloth with a solution of mild detergent and water to clean both tray height sensors and both reflectors (Universal Tag Blasters only). WARNING Be cautious when working around or on equipment when power has been applied. **SYSTEM** 2 ΑII 5. Restore power. Restore power and pneumatic air to the Tag Blaster and the conveyor beneath it as prescribed by the current local lockout instructions providing lockout/restore procedures. Verify the green Start lamp is illuminated. Check alignment of tray height sensors and **SYSTEM** 2 7 reflectors (Universal Tag Blaster only): Block and unblock both tray height sensors and reflectors with a flats mail tray to check their alignment. Head assembly should move smoothly up and down. Notify supervisor if there is a problem with the smooth movement of head assembly. **MACHINE** 7. Test. 2 7 Run both mail trays and flats trays with good D&R labels to test Tag Blaster operation to verify proper cancellation. Proper cancellation is a wide, dark line through each barcode. Notify the supervisor if there is a problem with the cancellation. 2. Return Tag Blaster to service.

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** Class Codes: AA,	AB																
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	8.	Clean u	0.										1	All			
		Ensure a removed deficience	all to	n the	e wo	rk ar	ea.	Repo									

TAGBLSTR MASTER CHECKLIST

03-TAGBLSTR-**-003

QUARTERLY

TAGBLSTR-AA: 14 Minutes TAGBLSTR-AB: 14 Minutes

Refer to MS-244 if additional maintenance information is required.

** Class Codes: AA, AB

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MACHINE	3.	Clean.								5	7		-		1
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l ag Blaste	er Systen	n	MIM100	69A	-	Quarterly	
** Class Codes: A	A, AB				•		
Part or Component	Item No	Task Statement and Instruction (Comply with all current safety precautions)	1	Est. Fime Req min)	Min. Skill Lev	Thresholds	
		Vacuum the front and rear side of the hassembly and inside the enclosure assembly. Take care when vacuuming dislodge wiring or air hoses.					
		 Using a slightly dampened lint-free clot a solution of mild detergent and water, down the interior of the enclosure asse and the front and back sides of the hea assembly. 	wipe embly				
		4. Lastly, wipe down the front and back of (inside and outside) and the ink cartridg holders with the damp, lint free cloth.					
		 Reinstall and latch the black, front plas cover and the clear, rear plastic cover. door of the enclosure assembly. 					
		WARNING Be cautious when working around or equipment when power has be applied.	on een				
SYSTEM	4.	Restore power. Restore power and pneumatic air to th Blaster and the conveyor beneath it as presby the current local lockout instructions prolockout/restore procedures. Verify the greelamp is illuminated.	scribed oviding	2	All		
MACHINE	5.	Test. 1. Run mail and flats trays with the D&R to test Tag Blaster operation to verify cancellation. Proper cancellation is a dark line completely through each bard	proper a wide, code.	2	7		
		 Notify the supervisor if there is a provided with the cancellation. Return Tag Blaster to service. 	roblem				
	6.	Clean up.		1	All		
		Ensure all tools, lubricants, rags, etc removed from the work area. Repodeficiencies to your supervisor.					