MAINTENANCE TECHNICAL SUPPORT CENTER MAINTENANCE OPERATIONS / UNITED STATES POSTAL SERVICE

Maintenance Management Order



November 28, 2011

SUBJECT: Preventive Maintenance (PM) Guidelines for the

Dedicated Tag Blaster System and the

Universal Tag Blaster System (TAGBLSTR)

NO: MMO-146-11

FILE CODE: F18

DATE:

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

					<u> </u>				
				Routine		Total	0	peration	al
ı		Routine		Servicing	Non-	Servicing	Mai	ntenand	e +
ı	Operation	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)
ı								00	00
ı	5	75.467	15.093	90.560	9.056	99.616			
ı	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

					i rug Biuo				
ı				Routine		Total	0	peration	al
ı		Routine		Servicing	Non-	Servicing	Mai	ntenand	e +
ı	Operation	Servicing	Repair*	+ Repair	productive	Per	Tot	al Servi	cing
ı		(hrs/yr)	(hrs/yr)	Time	Time**	Machine	1 Tour	2	3
ı				(hrs/yr)	(hrs/yr)	(hrs/yr)	(hrs/yr)	Tours	Tours
							00	(hrs/yr)	(hrs/yr)
ı								00	00
ı	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

Maintenance Technical Support Center

Maintenance Checklist WORK CODE EQUIPMENT ACRONYM CLASS CODE NUMBER TY Equipment Nomenclature Tag Blaster System Equipment Model Bulletin Filename MM10069AF Frequency Daily ** Class Codes: AA, AB Part or Component Item No Task Statement and Instruction (Comply with all current safety precautions) Est. Min. Thresholds	U.S. Postal S	Service											FICA			_		рроп	
Equipment Nomenclature Tag Blaster System Tag State			dist											CL			NU		TYPE
Tag Blaster System ** Class Codes: AA, AB Part or Component 1. COMPLY WITH ALL SAFETY PRECAUTIONS. Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shutdown and lockout this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found notify supervisor prior to proceeding with any further action on the equipment. THE USE OF COMPRESSED OR BLOWN AIR IS PROHIBITED. When cleaning method such as a HEPA filtered vacuum cleaner or a damp rag must be used in place of compressed or blown air. A lint-free cloth or brush may be used on optical equipment only when other cleaning methods cannot be used. Report safety deficiencies to your supervisor immediately upon detection. WARNING 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 Be cautious when working around or on equipment with power applied.				0	3	Т	Α	G	В	L	S	Т	R	*	*		0	0 1	М
Task Statement and Instruction			า	Equi	pmen	nt Mo	del			•	Е				F	F	requer		
Component	** Class Codes: AA,	AB																	
SAFETY STATEMENT 1. COMPLY WITH ALL SAFETY PRECAUTIONS. Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shutdown and lockout this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found notify supervisor prior to proceeding with any further action on the equipment. THE USE OF COMPRESSED OR BLOWN AIR IS PROHIBITED. When cleaning is required, an alternative cleaning method such as a HEPA filtered vacuum cleaner or a damp rag must be used in place of compressed or blown air. A lint-free cloth or brush may be used on optical equipment only when other cleaning methods cannot be used. Report safety deficiencies to your supervisor immediately upon detection. WARNING 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 Be cautious when working around or on equipment with power applied.											ons))							ls
Disconnect power and apply lockouts when required by this instruction. Refer to current local lockout procedures to properly shutdown and lockout this machine. Open equipment and inspect dust conditions. Check for suspicious dust or unusual debris. If any unusual substance is found notify supervisor prior to proceeding with any further action on the equipment. THE USE OF COMPRESSED OR BLOWN AIR IS PROHIBITED. When cleaning is required, an alternative cleaning method such as a HEPA filtered vacuum cleaner or a damp rag must be used in place of compressed or blown air. A lint-free cloth or brush may be used on optical equipment only when other cleaning methods cannot be used. Report safety deficiencies to your supervisor immediately upon detection. WARNING 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 Be cautious when working around or on equipment with power applied.															Lev			Fed	Weeks
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 Be cautious when working around or on equipment with power applied.		1.	Discon require local shutdo equipm for sus unusua prior to the equ THE US IS PRO When cleanin vacuum in place free cle equipm cannot	nect lockey lockey nent a spicio al sub procuipme SE Of clear g me n clea ce of oth o nent o	pow this out and ind i us coestar ceed nt. F CO ED. hing etho aner com r bronly sed.	ver s ins p lock nsp dust nce ling OMF is od s r or rush whe . Re	and structoroce kout ect or is for with PRES rec essech a da essech ma en o	apposition	ply n. R nes is n t cor usual d no y fu D O ed, r rag r blo be us r cle fety	efer to nachi ditio deb tify s rther R BL an a HEP mus sed aning defice	out: to pine ine ons oris sup ac A st k air. on g m sier	s v cui prop . Ci . Cl . If perv etio WN op neth ncie	vhent verly open open heck any visor n on AIR ative ered used lint- tical nods es to		All				
Be cautious when working around or on equipment with power applied.			to v (PPI a s app	vear I E). Lo tep r ropria	Pers evel requ nte g	prosona 2 P ires	cedu al Pr PPE PPE es, :	ure i oteo mus PE. safe	may ctive st be Th	Equ work is in lasse									
SYSTEM 2. Ensure Tag Blaster is on. 1 7						whe	n w	orkii	ng a		d c	or o	n						
Ensure Tag Blaster is on and air pressure is applied. The green Start light is illuminated. Lock out the conveyor under the Tag Blaster	SYSTEM	2.	1. Ens	sure T	ag B The	Blast gree	ter is en S	on a	light	is illu	miı	nate	ed.	1	7				

2 Attachment 2

using the current local lockout procedure.

U.S. Postal Service								ID	ENTIF	ICAT	ION					
Maintenance Checklist		RK DE					MEN					ASS DE	N	UMBI	ER	TYPE
mame and another	0	3	Т	Α	G	В	L	S	Т	R	*	*	0	0	1	М
Equipment Nomenclature Tag Blaster System	Equ	ipmer	nt Mo	del				E	Bulletir M I		name 069AF		reque	,	aily	
** Class Codes: AA, AB																

** 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
			Req (min)	Lev	Run Hours	Pieces Fed (000)	Weeks
ENOLOGUEE		Wante and a second		T -	1	T	1
ENCLOSURE ASSEMBLY	3.	 Verify air pressure. 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. 	2	7			
		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	1		
		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.					

U.S. Postal Service

Maintenance Technical Support Center

IDENTIFICATION

Maintenance	Check	dist	WOR	ÞΕ		, ,	ACRO				C	ASS ODE		IMBER	TYPE
Equipment Nomenclature	<u> </u>			3	T A	G	В	L	S	T R	*	*	0 Freque	0 1	М
Equipment Nomenciature Tag Blaster		1	∟quip	en	t Model						ename 0069Al	F	Frequer	Daily	
** Class Codes: AA,															
Part or Component	Item No				Statement all curre				ns)		Est. Time	Min. Skill		Threshold	ls
J. J		,	(33.1161)		. a baile	541	- 7 PI				Req (min)	Lev	Run Hours	Pieces Fed (000)	Weeks
		3. For still able appl the to carting vigo step	el and itly squ ink ca have to be licator tag bla cool to ridge. into irously	presueez artric a su e presues arte presues place and ove	ss firmloze the codges the ufficient rimed, Remo r. Use to move it ss a nece. Shad primed. Reins	y on the cartrice at hat leve the interior to by the end of the cartes and the cartes are the ca	the codge. ave beloffice the inlik reripryir carreties inking the code inking	een ink the ink carr nova ing it tridge cart cart	in unat k catrido off off carridge	tips.					
			pmen		WAR when w when		ng a	roun has		r on een					
TAG BLASTER	8.	Restore	powe	∍r.							1	All			
		Restore Blaster local lo restore illuminat	and the contract of the contra	he t ir dure	convey nstruction es. Ve	or as ons rify (s pre prov greer	escrib viding n Sta	ed g l art	by the ockout/					
MACHINE	9.	labe ver Pro con sup can	els to ify proper of the pervisor of the pervi	rope canc ly th or if ion.	est Ta er cand cellation nrough f there Blaster t	g Bl cellat n is each is a	laste tions a v bard pro	r op taki vide, code. oblen	era ing da No	e D&R tion to place. ork line orify the vith the	1	7 All			
		removed deficient	d fro	m	the v	vork	are								

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

MMO-146-11					M	aintenand	се Те	chni	cal Su	ipport (Center
U.S. Posta	l Service					IDENTIFICAT					
Maintenance	e Checkl	ist	WORK CODE		EQUIPMENT ACRONYM	•		ASS ODE	NU	IMBER	TYPE
			0 3	T A C		S T R	*	*	0	0 2	М
Equipment Nomenclatu			Equipme	nt Model		Bulletin File		_	Frequer	ncy Weekly	
Tag Blaste ** Class Codes: AA						MM10	UOSAI			vveekiy	'
Part or	Item		Task	Statement an	d Instruction		Est.	Min.		Threshold	9
Component	No	(0			afety precaution	ons)	Time	Skill			
							Req (min)	Lev	Run Hours	Pieces Fed	Weeks
										(000)	
SAFETY STATEMENT		Disconn required local lo down a equipme for susp unusual prior to the equi THE US IS PROH When c cleaning vacuum in place free clo equipme cannot l	lect power lect power leckout leck	ver and a sinstruction procedure out the inspect duding with a company of the inspect of such of the inspect of	ETY PRECUPPLY locked in the property of the pr	outs when to current serly shut ne. Open ons. Check ris. If any supervisor action on action on alternative A filtered at be used air. A linton optical g methods iencies to	2	All			
		to we (PPE) a ste	ear Pers). Level ep requ opriate (sonal Prot 2 PPE m ires PPE	e may requ ective Equ ust be wor . This in	ipment n when icludes					
MACHINE	2. I	Power d	own and	d lock out	power.		2	All			
		undernea Blaster a out facilit the Tag	ath the and insta ty air and Blaster a	Tag Blas Ill the plug the conve	er and conve ter. Unplug in a plug ca eyor that is u ed by the cu	g the Tag addy. Lock underneath					
SYSTEM	3.	Clean so	canner le	ens and tr	ay present	sensor.	2	7			
		1. Unla		open the b	lack, front co						

2 Attachment 3

2. Use a slightly dampened lint-free cloth with a solution of mild detergent and water to clean the scanner lens and tray present sensor.

manitoriarios rocinioai supp		0111	<u> </u>												<u>. </u>	
U.S. Postal Service								ID	ENTIF	ICAT	ION					
	WC	DRK			Е	QUIF	MEN	T			CLA	ASS	N	UMBI	ΞR	TYPE
Maintenance Checklist	CC	DE				ACRO	NYM	1			CO	DE				
	0	3	Т	Α	G	В	L	S	Т	R	*	*	0	0	2	М
Equipment Nomenclature	Equ	ipme	nt Mo	del				E	Bulletir	n Filer	name	F	reque	ency		•
Tag Blaster System									M	M10	069AF			W	eekly	/
** Class Codes: AA AB																

rag blastel		111	000071	•		VVCCINIY	
** 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
·			Req (min)	Lev	Run Hours	Pieces Fed (000)	Weeks
		3. Close and latch the black, front plastic cover.					
CONVEYOR	4.	Clean both tray height sensors and reflectors (Universal Tag Blaster only):	2	7			
		Use a slightly dampened lint-free cloth with a solution of mild detergent and water to clean both tray height sensors and both reflectors (Universa Tag Blasters only).					
		WARNING					
		Be cautious when working around or on equipment when power has been applied.					
SYSTEM	5.	Restore power.	2	All			
		Restore power and pneumatic air to the Ta Blaster and the conveyor beneath it as prescribe by the current local lockout instructions providin lockout/restore procedures. Verify the green Stalamp is illuminated.	d g				
SYSTEM	6.	Check alignment of tray height sensors and reflectors (Universal Tag Blaster only):	2	7			
		Block and unblock both tray height sensors an reflectors with a flats mail tray to check the alignment. Head assembly should move smooth up and down. Notify supervisor if there is problem with the smooth movement of hea assembly.	ir y a				
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 problem with the cancellation. 	o er h				
		2. Return Tag Blaster to service.					
-							

Maintenance Technical Support Center

U.S. Postal S	Service									ID	ENTIF	ICAT	ION							
Maintenance	Check	klist		RK DE					MENT NYM	Γ				ASS ODE	NI	JMBER	TYPE			
			0	3	Т	Α	G	В	L	S	Т	R	*	*	0	0 2	M			
Equipment Nomenclature Tag Blaster		า	Equi	ipmer	nt Mo	del					Bulletir MI		name 069A	F	Freque	ncy Weekly	У			
** Class Codes: AA,	AB																			
Part or Component	Item No	((nstruc ety pro	tion ecauti	ons	s)		Est. Time	Min. Skill		Threshold	ds			
													Req (min)	Lev						
	8.	Clean u	n.										1	All						
		Ensure a removed deficience	all too I fron	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

U.S. Postal Service

U.S. Postal S	Service		MODI	.		-0: ::-	N 4		TIFICA	_	100		N 11 1 N 4	וחרה	T-\	/DE
Maintenance	Check	klist	WORK CODE				MENT DNYM				LASS ODE		NUN	IBER	11	/PE
			0 3		A G	В		S	TR	*	*	0	(3	ı	М
Equipment Nomenclature			Equipm	ent Mode	I	-1	1	Bull	etin File			Frequ			_	
Tag Blaster	_	n							MM10)069A	F		C	(uarte	rly	
** Class Codes: AA,		1									1		_			
Part or Component	Item No	((k Stateme vith all cur				ons)		Est. Time Req (min)	Min. Skill Lev		Т	hresho	lds	
SAFETY STATEMENT											All					
MACHINE	2.	to we (PPE step approan 8 of	ear Pe). Leve requ opriate cal/cm	s proce rsonal I 2 PPE ires F gloves ² lab co	edure Prote must PPE. s, safe at or	may ctive be v Thiety g smoo	Equivorn ir	ipme when icludes, a	ent n a les nd	2	All					
		Power d that is b Blaster a out the undernea current lo	eneath and ins facility ath the	the Ta tall the air a Tag Bl	g Blas plug in nd th aster	ster. n a p e co as p	Unplu lug ca onvey rescri	ig th addy or th bed l	e Tag . Lock nat is							
MACHINE	3.	cove set	er and a	d remov the clea or later i enclosi	r, rear einsta	plas	tic co n. Als	ver a	nd	5	7					

U.S. Postal Service								IDI	ENTIF	ICAT	ION					
Maintenance Checklist	WC	RK DE			_		MEN [*]	-				ASS DE	N	UMBE	ER	TYPE
	0	3	Т	Α	G	В	L	S	Т	R	*	*	0	0	3	М
Equipment Nomenclature Tag Blaster System	Equi	ipmer	nt Mo	del				E	Bulletir MI		name 069AF		Freque	_ ,	arter	ly

Class Codes: AA, AB Part or Item Task Statement and Instruction Est. Min. Thresholds (Comply with all current safety precautions) Component No Time Skill Req Lev (min) 2. Vacuum the front and rear side of the head assembly and inside the enclosure assembly. Take care when vacuuming to not dislodge wiring or air hoses. Using a slightly dampened lint-free cloth with a solution of mild detergent and water, wipe down the interior of the enclosure assembly and the front and back sides of the head assembly. Lastly, wipe down the front and back covers (inside and outside) and the ink cartridge holders with the damp, lint free cloth. Reinstall and latch the black, front plastic cover and the clear, rear plastic cover. Close door of the enclosure assembly. WARNING Be cautious when working around or on equipment when power has been applied. **SYSTEM** 2 All 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. MACHINE Test. Run mail and flats trays with the D&R labels to test Tag Blaster operation to verify proper cancellation. Proper cancellation is a wide, dark line completely through each barcode. Notify the supervisor if there is a problem 2. with the cancellation. 3. Return Tag Blaster to service. All Clean up. Ensure all tools, lubricants, rags, etc., are removed from the work area. Report all deficiencies to your supervisor.