



maintenance management order

SUBJECT: PM Guidelines for Sack Shake Out

DATE: July 29, 1998

NO: MMO-053-98

TO: Bulk Mail Centers

FILE CODE:

Y

dewa:M94159AD

Online Change Record		
Change #	Date	Description of Change
1	4/26/2022	Attachment 2, corrected skill levels 4 and 5, no longer in use, to level 7.

This Maintenance Management Order (MMO) provides Preventive Maintenance (PM) guidelines for BMC Sack Shake Out and supersedes Maintenance Checklist BO76.

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

WARNING

Various products which require Safety Data Sheets (SDS) may be utilized during the performance of the procedures in this bulletin. Ensure the current SDS for each product used is on file and available for reference by all employees. As a minimum, obtain a current SDS every two years.

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

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

Rex M. Gallaher
Manager
Maintenance Technical Support Center
Maintenance Policies and Programs

Attachments: 1. Summary of Revised Workload Estimate
2. Sack Shake Out Master Checklist

ATTACHMENT 1**-SUMMARY-****REVISED WORKLOAD ESTIMATE****FOR****SACK SHAKE OUT**

Routine Servicing (hrs/yr)	Repair* (hrs/yr)	Total Servicing & Repair Time (hrs/yr)	Nonproductive Time ** (hrs/yr)	Total Servicing Per Machine (hrs/yr)
20.0	6.0	26.0	2.6	28.6

* Repair estimates based on 30% of servicing.

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

TIME TOTALS

Monthly Time Total: 0.8 Hrs. ***

Quarterly Time Total: 1.3 Hrs. ***

Semi-Annual Time Total: 1.7 Hrs. ***

Annual Time Total: 0.5 Hrs. ***

NOTE

The time shown does not allow for multiple assemblies on any equipment. Should multiple assemblies exist, the time must be modified at the local level to account for those occurrences. Other unique site conditions that requires additional time are to be addressed at the local level.

*** These times are provided for data entry for the MARS System.

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ATTACHMENT 2**SACK SHAKE OUT MASTER CHECKLIST**

03-SSO-AA-001-M

The "Part or Component" column for each step on the Master Checklist provides a "Frequency Code" designation followed by a letter or series of letters. These letters correspond to the frequency codes as published in MS-63 and specify the frequency for which that instruction (step) must be performed. These frequency codes are in compliance with NMICS superseding route structure. The possible frequencies and their codes are given in the table below:

Table 2-1. MS-63 (NMICS) Frequency-Codes

<u>CODE</u>	<u>FREQUENCY</u>	<u>DESCRIPTION</u>
A	ANNUAL	Once every 13 APs.
B	BI-WEEKLY	Once every 2 weeks
C	BI-MONTHLY	Once every 2 APs.
D	DAILY	Once a day; 7 days a week.
E	DAILY	Once a day; 6 days a week.
F	DAILY	Once a day; 5 days a week.
G	DAILY	Once a day; 4 days a week.
H	DAILY	Once a day; 3 days a week.
J	SEMI-WEEKLY	2 days a week.
K	BI-ANNUAL	Once every 2 years.
L	TRI-ANNUAL	Once every 3 years.
M	MONTHLY	Once every AP.
N	QUAD-ANNUAL	Once every 4 years.
P	QUINT-ANNUAL	Once every 5 years.
Q	QUARTERLY	4 times every 13 APs.
S	SEMI-ANNUAL	Twice every 13 AP.
T	TOURLY	3 times a day; 7 days a week.
U	TOURLY	Twice a day; 7 days a week.
V	TOURLY	3 times a day; 6 days a week.
W	WEEKLY	Once a week.
X	TOURLY	Twice a day; 6 days a week.
Y	TOURLY	3 times a day; 5 days a week.
Z	TOURLY	Twice a day; 5 days a week.

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
	Work Code		Equipment Acronym			Class Code		Number		Type	
	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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SAFETY STATEMENT

Frequency Code: -M-Q-S-A

1. **COMPLY WITH ALL SAFETY PRECAUTIONS.** - Disconnect power and activate lockouts as appropriate while working on this equipment. Where air pressure is required for cleaning, use a low air pressure (30 psi or less) air source. Eye protection (goggles or face shield) must be used when utilizing compressed air for cleaning. Check to ensure all employees are clear of the machine. Report safety deficiencies to your supervisor immediately upon detection.

3 min All

AA-1

Frequency Code: -M-Q-S-A

2. **CHECK FOR MAIL.** - Look for loose mail while performing activities.

2.5 min 7

WARNING

Be cautious when working around or on equipment when power has been applied.

Frequency Code: -M-Q-S-A

3. **CHECK CONTROL PANEL AND CONDUIT.** - Check control panel and conduit as follows:

1. Check control panel and conduit for proper mounting and damage.
2. Check switched and indicator lamps for correct operation.

2 min 7

Frequency Code: -M-Q-S-A

4. **CHECK CONVEYOR BELT.** - Check conveyor belt as follows:

1. Look for excessive wear or damage to top and bottom surface of conveyor belt.
2. Check belt for cut, tears, and frayed edges.
3. Look for wear or damage to belt fasteners.
4. Check tension of tracking.

3 min 7

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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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|---|----|--|-------------------|---|
| AA-1 (Cont.)

Frequency Code:
-M-Q-S-A | 5. | CHECK UNIT. - While unit is operating, look and listen for unusual noise, vibration, or other indications of wear or misalignment. | 5 min | 7 |
| Frequency Code:
-M-Q-S-A | 6. | CHECK DRIVE ASSEMBLIES. - Check drive assemblies as follows: <ol style="list-style-type: none"> 1. Check both drive assemblies for unusual noise or vibration. 2. Look for lubrication leakage. | 3 min | 7 |
| Frequency Code:
-M-Q-S-A | 7. | CHECK SLACK. - Check for chain slack. | 1 min | 7 |
| Frequency Code:
-M-Q-S-A | 8. | CYCLE UNITS. - Cycle both variable speed drive units through their entire cycle. Return to original settings. | 4 min | 7 |
| SYSTEM

Frequency Code:
-M-Q-S-A | 9. | POWER DOWN AND LOCKOUT POWER. - Power down the equipment and lockout its electrical power as prescribed by the procedures contained in, or locally developed in accordance with, the current Maintenance Management Order (MMO) providing lockout/restore procedures. | 2.5 min/
Drive | 7 |

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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT					Equipment Model			Bulletin Filename M94159AD		Frequency ALL	

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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|---|-----|---|----------|---|
| CA-1 HEAD PULLEY ASSY

Frequency Code:
----Q-S-A | 10. | CHECK DRIVE PULLEY AND BOLTS. - Check drive pulley and bolts as follows: <ol style="list-style-type: none"> 1. Look for unusual wear or damage to drive pulley lagging. Jog unit for access to entire pulley face. 2. Remove dirt or foreign material by wiping or brushing as necessary. 3. Check taperlock bolts. | 5
min | 7 |
| Frequency Code:
----Q-S-A | 11. | CHECK DRIVE PULLEY BEARINGS. - Check drive pulley bearings as follows: <ol style="list-style-type: none"> 1. Look for evidence of wear, dirt, or corrosion in bearings. 2. Check pulley shaft for "walking". | 7
min | 7 |
| Frequency Code:
-----S-A | 12. | CHECK IDLER, SPROCKET, AND BEARINGS. - Check idler, sprocket, and bearings as follows: <ol style="list-style-type: none"> 1. Remove cover from conveyor drive chain. 2. Check idler and driven sprockets for wear, alignment, and foreign material. 3. Check bearings for wear. 4. Lubricate lightly, using spout can, with SAE-50W. 5. Check keys and set screw tightness. | 5
min | 7 |

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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TP-1 TAIL PULLEY ASSY 13. **CLEAN ASSEMBLY PARTS.** - Brush and wipe to remove dust and foreign material from screws, carriage, frame, and other assembly parts. 5 min 7

Frequency Code:
----Q-S-A

TP-1 TAIL PULLEY ASSY (Cont.) 14. **CHECK TAIL PULLEY BEARINGS.** - Check tail pulley bearings as follows: 5 min 7

Frequency Code:
----Q-S-A

1. Look for evidence of wear, dirt, or corrosion.
2. Check pulley shaft for "walking."
3. Check taperlock bolts and set screw tightness.

WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

EA-1 CLAMP SPROCKET AND CHAIN 15. **CLEAN TEETH AND CHECK HUB AND KEY.** - Clean teeth and check hub and key as follows: 6 min 7

Frequency Code:
-----S-A

1. Remove sprocket and chain guard.
2. Clean foreign material from between teeth.
3. Check for wear, alignment, and tightness of hub and key.

Frequency Code:
-----S-A 16. **CHECK AND LUBRICATE SPROCKET.** - Check and lubricate sprocket as follows: 3 min 7

-----S-A

1. Check idler sprocket for freedom of movement.
2. Clean foreign material between teeth.
3. Apply fresh lubricant SAE-50W sparingly to sprocket.
4. Wipe up excess.

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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Frequency Code: -----S-A 17. **LUBRICATE BEARINGS.** - Using hand held grease gun, apply GR-2 to corner clamp chain drive sprocket bearing. 1 min 7

WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

EA-2 CLAMP TRANS CHAIN AND TRACK 18. **CHECK ROLLERS AND TRACK.** - Check rollers and track as follows: 10 min 7

1. Look for damage or excessive wear to the clamp chain rollers or track.
2. Clean chain by brushing on solvent and wiping dry.
3. Using a lubricant of 70% SAE-50W and 30% solvent, apply lightly by brushing on link edges and around rollers.
4. Wipe up any excess.

Frequency Code: ----Q-S-A

EA-3 CLAMP ASSY 19. **CHECK CLAMPS.** - Check clamps for wear, loose components, and freedom of movement. 10 min 7

Frequency Code: -----S-A

U.S. Postal Service Maintenance Checklist		IDENTIFICATION										
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		0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD			Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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Frequency Code: -----S-A 20. **LUBRICATE ASSEMBLY.** - Using SAE-50W, sparingly lubricate the clamp lever and link pins, clamp roller pin, and the plunger assembly. Wipe up any excess. 15 min 7

Frequency Code: -----S-A 21. **LUBRICATE FOLLOWERS.** - Lightly lubricate the clamp cam followers with GR-2. Wipe off any excess. 15 min 7

EA-4 CORNER SPROCKETS
Frequency Code: -----S-A 22. **CHECK SPROCKETS, ALIGNMENT, AND TENSION.** - Check sprockets, alignment, and tension as follows: 10 min 7

1. Check clamp chain corner sprockets for wear and foreign material.
2. Check alignment and chain tension.
3. Apply lubricant SAE-50W with spout can to corner idler sprockets.
4. Wipe off excess.

FA-1 SHAKER BAR ASSY
Frequency Code: -----S-A 23. **GREASE BEARINGS.** - Grease bearings as follows: 2 min 7

1. Remove guard.
2. Use a hand grease gun to apply one (1) shot of GR-2 to timing belt upper sheave bearings.
3. Wipe off excess.

Frequency Code: -----S-A 24. **ROTATE BAR, CHECK BEARINGS, SEAL, AND KEY.** - Rotate bar and check bearings, seal, and key as follows: 3 min 7

1. Manually rotate the shaker bar and check for noise and evidence of wear.
2. Check inner and outer bearings for wear and corrosion.
3. Check grease seal and snap ring on outer bearing.
4. Check key and key way for wear and secure set screws.

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
	Work Code		Equipment Acronym			Class Code		Number		Type	
	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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Frequency Code: -----S-A	25. GREASE BEARINGS. - Grease bearings as follows:	<ol style="list-style-type: none"> 1. Use a hand grease gun to apply one (1) shot of GR-2 to outer bearings. 2. Use hollow needle to apply GR-2 to inner bearings. 	2 min	7
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WARNING

Eye protection (goggles or face shield) must be worn when using compressed air for cleaning.

GA-1 CONTROL PANEL Frequency Code: -----S-A	26. CHECK RELAYS, CONTACTS, AND TERMINALS. - Check relays, contacts, and terminals as follows:	<ol style="list-style-type: none"> 1. Check control panel relays for secure mounting. 2. Check motor starter contacts for pitting and evidence of arcing. 3. Check terminals for loose connections. 4. Clean inside panel by blowing or vacuuming. 	6 min	7
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MD-1 CLAMP TRANSPORT AND CONV. DRIVE Frequency Code: ----Q-S-A	27. CHECK SPEED DRIVE ASSEMBLY. - Check speed drive assembly as follows:	<ol style="list-style-type: none"> 1. Look for damage to variable speed drive assembly. 2. Look for evidence of lubrication leakage and vent hole obstruction. 	2 min	7
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U.S. Postal Service Maintenance Checklist		IDENTIFICATION										
		Work Code		Equipment Acronym				Class Code		Number		Type
		0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model				Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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Frequency Code: ---Q-S-A

28. **CHECK DRIVE BELT, PULLEY FACES, AND SHAFT. -** 4 min 7

Check drive belt, pulley faces, and shaft as follows:

1. Remove variable speed belt cover.
2. Look and feel for foreign material on drive belt, pulley faces, and on splined pulley shaft.
3. Look for evidence of adequate lubrication of shaft.

MD-1 CLAMP TRANSPORT AND CONV. DRIVE (Cont.)

29. **CHECK COUPLING -** Check flexible coupling for excessive play and tightness of set screws. 2 min 7

Frequency Code: ---Q-S-A

Frequency Code: ---Q-S-A

30. **CHECK OIL. -** With unit warm from running, check oil level in right angle gear and reducer. Add SAE-50W if required. 2 min 7

Frequency Code: -----S-A

31. **WIPE AND LUBRICATE FITTINGS. -** Wipe and lubricate fittings as follows: 4 min 7

1. Wipe variable speed spline grease fittings.
2. Apply fresh lubricant GR-2 until a small amount appears under the pulley along the spline.
3. Replace cover.

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
	Work Code		Equipment Acronym				Class Code		Number		Type
	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model				Bulletin Filename M94159AD		Frequency ALL			

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

Frequency Code: -----S-A	32. CLEAN EXTERIOR, WRENCH-TEST, AND LUBRICATE. - Clean exterior, wrench-test, and lubricate as follows:	3 min	7
	1. Clean motor and reducer exterior. Use solvent to remove hardened deposits. 2. Wrench-test all motor and reducer mounting bolts for tightness. 3. Check level of lubricant in gear case. Look for foaming of gear-case lubricant. 4. Add lubricant (SAE-50W) if required to reach proper level. 5. Replace oil level plug. 6. Wipe drip pan dry.		
MD-1 CLAMP TRANSPORT AND CONV. DRIVE (Cont.) Frequency Code: -----A	33. LUBRICATE GREASE FITTINGS. - Lubricate grease fittings as follows:	3 min	7
	1. Wipe old lubricant from motor grease fittings. 2. Apply fresh lubricant GR-2 until a small amount appears at seals. 3. Wipe off excess.		
NA-1 CONVEYOR DRIVE CHAIN ASSY Frequency Code: ----Q-S-A	34. CLEAN AND RELUBRICATE ROLLER CHAIN. - Clean and lubricate roller chain as follows:	8 min	7
	1. Use clean rag to wipe old lubricant and foreign material from chain. 2. Lubricate with SAE-50W by brushing onto roller chain. Wipe off excess.		

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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

Frequency Code: -----A	35. CHECK SPROCKETS, CLEAN TEETH AND CHAIN, AND LUBRICATE. - Check sprockets, clean teeth and chain, and lubricate as follows:	20 min	7
	1. Check sprockets for wear and alignment. 2. Clean out all packed down material from between teeth. 3. Clean chain by brushing with solvent and wiping clean. 4. Lubricate by brushing on SAE-50W.		
NA-2 CLAMP TRANSPORT AND DRIVE CHAIN ASSY. Frequency Code: ---Q-S-A	36. CLEAN AND RELUBRICATE ROLLER CHAIN. - Clean and relubricate roller chain as follows:	8 min	7
	1. Use clean rag to wipe old lubricant and foreign material from chain. 2. Relubricate with SAE-50W by brushing onto roller chain. 3. Wipe off excess.		
NB-1 SHAKER BAR DRIVE Frequency Code: ---Q-S-A	37. CHECK DRIVE ASSEMBLY. - Check drive assembly as follows:	3 min	7
	1. Look for damage to variable speed drive assembly. 2. Look for evidence of lubrication leakage and vent hole obstructions.		

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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Frequency Code: ----Q-S-A	38.	CHECK DRIVE BELT, PULLEY FACES, AND SHAFT. - Check drive belt, pulley faces, and shaft as follows: 1. Remove variable speed belt cover. 2. Look and feel for foreign material on drive belt, pulley faces, and on splined pulley shaft. 3. Look for evidence of adequate lubrication of shaft.	4 min	7
NB-1 SHAKER BAR DRIVE (Cont.) Frequency Code: ----Q-S-A	39.	CHECK SHEAVES AND V-BELTS. - Check sheaves and V-belts as follows: 1. Look for misalignment of sheaves and for excessive wear to V-belts (or measure sag between sheaves) to determine if tension is properly adjusted. 2. Wrench-test set screws and feel keys to determine if tension is properly adjusted. 3. Wrench-test set screws and feel keys to determine if sheaves are tight on shafts.	6 min	7
Frequency Code: -----S-A	40.	LUBRICATE FITTINGS. - Lubricate fittings as follows: 1. Wipe variable speed spline grease fittings. 2. Apply fresh lubricant GR-2 until a small amount appears from under the pulley along the spline. 3. Replace cover.	4 min	7

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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WARNING

Discard solvent soaked materials according to local procedures to prevent spontaneous combustion.

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|---|-----|---|----------|---|
| Frequency Code:
-----S-A | 41. | CLEAN, WRENCH-TEST, AND LUBRICATE. - Clean, wrench-test, and lubricate as follows: <ol style="list-style-type: none"> 1. Remove dust, oil and foreign material from exterior of motor and reducer housing by wiping. 2. Use solvent to remove hardened deposits. 3. Wrench-test all motor and reducer mounting bolts for tightness. 4. Check sight gauge or remove oil level plug to determine level of lubricant in gearcase. Look for foaming of gearcase lubricant. 5. Add lubricant (SAE-50W) if required to reach proper level. 6. Replace oil level plug. 7. Wipe drip pan dry. | 3
min | 7 |
| NB-1
SHAKER BAR DRIVE (Cont.)

Frequency Code:
-----S-A | 42. | CLEAN BELT AND SHEAVES. - Clean dirt and other material from timing belt and sheaves. | 3
min | 7 |
| Frequency Code:
-----S-A | 43. | GREASE SHEAVE BEARINGS. - Use a hand grease gun to apply one (1) shot of GR-2 to timing belt sheave bearings. Wipe off excess. | 2
min | 7 |

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	0	3	S	S	O	A	A	0	0	1	M
Equipment Nomenclature SACK SHAKE OUT		Equipment Model			Bulletin Filename M94159AD		Frequency ALL				

Part or Component	Item No.	Task Statement and Instruction (Comply with all current safety precautions)	Est. Time Req'd	Min. Skill Level
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Frequency Code: -----A

44. **CLEAN AND LUBRICATE MOTOR AND FITTINGS.** - 3 7
Clean and lubricate motor and fittings as follows: min

1. Wipe old lubricant from motor and grease fittings.
2. Apply fresh lubricant until a small amount appears at seals. Wipe off excess.
3. Lubricant: GR-2

GR-1 GENERAL 45. **REMOVE PANEL.** - Remove motor access panel. 3 7
min

Frequency Code: -M-Q-S-A

WARNING

Eye protection (goggles or face shield) must be worn when using compressed air for cleaning.

HA-1 DUST COLLECTOR 46. **EMPTY, CHECK, AND CLEAN BAG AND SCREEN.** - 3 7
Empty, check, and clean bag and screen as follows: min

Frequency Code: -M-Q-S-A

1. Empty and check dust collections bag.
2. Check and, if required, clean air inlet screen.

ZZ-1 ROUTE COMPLETION 47. **REPLACE PANELS.** - Replace all panels, chain, and belt guards. 3 7
min

Frequency Code: -M-Q-S-A

U.S. Postal Service Maintenance Checklist	IDENTIFICATION										
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CLEAN-UP	48.	CLEAN-UP. -Ensure all tools, lubricants, rags, etc., are removed from the work area. Report all deficiencies to your supervisor.	3 min	All
Frequency Code: -M-Q-S-A				

WARNING

Be cautious when working around or on equipment when power has been applied.

SYSTEM	49.	RESTORE EQUIPMENT TO SERVICE. - Restore equipment to service as prescribed by the procedures contained in, or locally developed in accordance with, the current Maintenance Management Order (MMO) providing lockout/restore procedures.	3 min	All
Frequency Code: -M-Q-S-A				
START-UP	50.	START-UP. - Perform normal start-up procedures as follows:	5 min	All
Frequency Code: -M-Q-S-A		<ol style="list-style-type: none"> 1. Start or preset equipment. 2. Check for proper operation. 3. Report all deficiencies to your supervisor in order to initiate any necessary work orders to make necessary repairs, or to remove excessive debris. 		