MAINTENANCE ENGINEERING CALL (MEC)

IAW AR 70-62, this MEC is a technical airworthiness document and provides disposition for the identified issue to maintain airworthiness requirements. It will be retained in aircraft historical records and the aircraft logbook, or other applicable historical records, as long as the deviation is in effect.

Shop Submittal Date 11/28/2023	Date in 11/28/2		ering	Governn	nent Type		WONG)		MEC Number F413388 A	
AC Type RQ-7Bv2	Tail Number		er	AC System LAUNCHER			AC			C System S/N	
AC System Modifier General			TSN			<u> </u>					
Nomenclature Boot, Dust and Moist	omenclature Part Number oot, Dust and Moisture Seal 39489-4348				nber			NSN 5930-01-570-6480			
Discrepancy Worn Excessively							CSI No		CC A	Affected	
Tech Pub TM 1-1550-1689-23P					Pub Fig Item 2 Fi	_	Page-Para AMDF Cost VP 2018 3183.79		st	Repair Cost 50.00	
Contact LAR Mark Cramer				E(11 - 15 - 1 AZ					ontact Phone 5-270-0478		
Originator Pete Forma								•	ginator Phone 0-538-1221		
The unit is requestin Assy PN: 39489-434 Reference: Drawing	g authori 80-10, N	zation a SN: 16	80-01-6	631-1608	for LAU 108	1. Plea	ase ad	vise how ι	ınit sh	ould proceed.	
Unit: B Co, 2-13 th A\	/N, Ft Hu	achuca	a, AZ								
Engineering Disposit Authorization grante U5125-2, NSN: 593	d for B C	. •			_			-		•	
Authorized By: Digitally signed by SUDING, BRITTANY, HELEN, 1291995205 Date: 12/21/2023 2:28:54 PM					Authorized On: 12/03/2023		Last Addendum Dat 12/21/2023		Date:	QC STAMP	
Email : Brittany.H.Suding.civ@army.mil					Phone : 256-783-1434				Page 1 of 3		

FCDD-AMR-SM FORM 127-E RCN : MEC Form V16 Printed On 12/26/2023

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Α

buttons on the Launcher Interlock Device (LID) on launcher 1081 in accordance with the following procedure, TM 1-1550-1689-23&P, and TM 1-1500-204-23.

- 1. Remove Launcher Interlock Device (LID) front panel via four (4) screws per TM 1-1500-204-23. Retain screws.
- 2. Inspect each push-button (P/N ISR3SAD200) per TM 1-1500-204-23-4. No damage to the push-button allowed. Verify each push-button is functioning correctly per the TM. Replace as required.
- 3. If the push-button passes inspection, but requires a replacement boot, loosen the push-button locking nut that is located on the backside of the panel.
- 4. Pull the push-button out past the panel far enough to give enough clearance to replace the damaged boot (P/N U5125-2). Replace the boot.
- 5. Re-install the push-button (P/N ISR3SAD200) into the LID front panel and tighten the push-button locking nut to the manufacturer's specs.

NOTE: Ensure "D" shaped shoulder flange of push-button, hidden by boot, is aligned with "D" shaped hole in the LID front panel (Reference drawing PN 39489-43488_D)

6. Re-install LID front panel with retained screws per TM 1-1500-204-23.

References: TM 1-1500-204, PN 39489-43488 D, PL39489-43488C, PN 39489-43480

Engineering POC:
Alan Backlund
DEVCOM AvMC SRD Contract Engineer
Corpus Christi Army Depot, Corpus Christi, TX
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361-961-1472

The undersigned engineer determined the repair activity possesses the requisite tooling, training, experience, material, and/or facilities to accomplish the requested task.

Addendum A created by BSUDING On 12/21/2023

NOTE: The potential to lose small parts during removal and installation is high. As such, it is recommended to complete the following procedure with the LID removed from the launcher.

Change original disposition criteria to the following:

Authorized By:	Authorized C	n:	Last Addendum Date:	QC STAMP
Digitally signed by SUDING.BRITTANY.HELEN.1291995205 Date: 12/21/2023 2:28:54 PM	12/03/2023		12/21/2023	
Email : Brittany.H.Suding.civ@army.mil		Pho 256-	ne : 783-1434	Page 2 of 3

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- 1. Remove Launcher Interlock Device (LID) per the TM.
- 2. With LID on work bench, remove Launcher Interlock Device (LID) front panel via four (4) screws per TM 1-1500-204-23. Retain screws.
- 3. Inspect each push-button (P/N ISR3SAD200) per TM 1-1500-204-23-4. No damage to the push-button allowed. Verify each push-button is functioning correctly per the TM. Replace as required.
- 4. If the push-button passes inspection, but requires a replacement boot, loosen the push-button locking nut that is located on the backside of the panel. If push-button locking nut is inaccessible, see below (Steps A through D).
 - A. Remove the 20-pin ribbon cable, black 4-pin connector, and black 8-pin connector.
 - B. Remove circuit board via 4 screws. Board standoffs are held in place only by 4 screws. Care should be taken not to lose the standoffs.
 - C. Only where required to do so, remove RTV silicone that holds wires in place to be able to access pushbutton locking nut. Use a thin, flat, utensil, such as a flat blade screwdriver or similar, to do so.
 - D. Loosen the push-button locking nut that is located on the backside of the panel.
- 5. Pull the push-button out past the panel far enough to give enough clearance to replace the damaged boot (P/N U5125-2). Replace the boot.
- 6. Re-install the push-button (P/N ISR3SAD200) into the LID front panel and tighten the push-button locking nut to the manufacturer's specs.

NOTE: Ensure "D" shaped shoulder flange of push-button, hidden by boot, is aligned with "D" shaped hole in the LID front panel (Reference drawing PN 39489-43488 D)

- 7. Apply RTV silicone per TM 1-1500-323-24-1 (non-corrosive RTV) to hold wires in place, if it was removed, and
- 8. If circuit board was removed, temporarily hold 4 standoffs in place in between circuit board and the backside of the front panel. A retaining material such as tape may be necessary to hold the standoffs in place at each of the 4 screw hole locations. Plug in black 20-pin cable, black 4-pin connector, and black 8-pin connector that was previously removed in steps 4A – 4D. Reference TM 1-1500-323-24-1 for electrical wiring processes.

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9. Re-install LID front panel with retained screws pe	er IM 1-1500-20	04-23.	
MEC Attachment(s): <u>To View: Right Click -> Sho</u>	<u>ow Navigation Pane I</u>	Buttons and Click on Paperclip	
39489-43488_D.pdf			
PL39489-43488_C.pdf			
MEC F413388 Shadow Launcher LID Button Covers, p	odf		
LAU LID_Control Panel_Front View.jpg			
LAU LID_Inside View 1.jpg			
LAU LID_Inside View 2.jpg			
Authorized By:	Authorized On:	Last Addendum Date:	QC STAMP
Digitally signed by SUDING.BRITTANY.HELEN.1291995205 Date: 12/21/2023 2:28:54 PM	12/03/2023	12/21/2023	
Email :	F	Phone :	

256-783-1434