

HGM-16F

T. O. 21M-HGM16F-2-23

AFSC	MECHANIC NO.	WORK AREA	REMAINING TIME
541X00 542X00		12, 31, 20	00:30:00

SILO DOORS CLOSING

PRELIMINARY INSTRUCTIONS

This checklist is used when closing the silo doors. Time required to perform this checklist is 30 minutes.

CAUTION

If silo doors have been open for 1 hour or more, the door cylinder rods must be lubricated in accordance with T. O. 21M-HGM16F-2-23. Failure to comply can result in damage to equipment.

WARNING

Loss of hydraulic fluid from the silo door actuating cylinders after they have reached the open position could result in excessive closing speed during the closing cycle. Refer to silo door handling instructions in T. O. 21M-HGM16F-2-23 prior to attempting door closure if any of the following conditions exist: the hydraulic system standby pressure has been less than 90 PSIG, the hydraulic system return pressure has been less than 17 PSIG, or the hydraulic system requires bleeding. Failure to comply can result in injury to personnel or damage to equipment.

PRELIMINARY REQUIREMENTS

Establish communications as necessary. Ensure silo doors are clear of obstructions.

Changed 28 April 1961

12a-1

MECHANIC NO.	WORK AREA	REMAINING TIME
20, 13, 21		00:00.00

SILO DOORS CLOSING (CONT)

PRELIMINARY REQUIREMENTS (CONT)**CAUTION**

If the pneumatic test set has been connected to the missile or launcher platform, ensure the pneumatic test set hoses are disconnected and removed from silo door area before attempting to close doors. If silo door support struts have been installed, ensure struts are removed before attempting to close silo doors. Failure to comply may result in damage to equipment.

CONTROL STATION MANUAL OPERATING LEVEL PANEL

1. RESET PROGRAMMER
key switch ON _____

MISSILE LIFT SYSTEM MOTOR CONTROL CENTER

1. LAUNCHER PLATFORM
DRIVE circuit breaker . . . OFF _____

SM65F

T.O. 21-SM65F-CL-3-1

AFSC	MECHANIC NO.	WORK AREA	REMAINING TIME
M1X8D		12.31	15:29:00

STILL DOING CLOSING (CONT)

MISSILE BATT SYSTEM MOTOR CONTROL CENTER (CONT)

- 2. All circuit breakers ON
- 3. DC CONTACTOR PANEL
9 VDC SUPPLY AVAILABLE
Indicator WHITE
- 4. DC CONTACTOR PANEL
25-VDC NO. 1
AVAILABLE indicator WHITE
- 5. DC CONTACTOR PANEL
25-VDC SUPPLY NO. 4
AVAILABLE indicator WHITE
- 6. 9 VDC IN USE indicator EXTINGUISHED
- 7. DC CONTACTOR PANEL
28-VDC SUPPLY NO. 1
IN USE indicator GREEN
- 8. DC CONTACTOR PANEL
28-VDC SUPPLY NO. II
IN USE indicator EXTINGUISHED

MISSILE BATT SYSTEM LOGIC UNITS (CLASSIS A3A1)

- 9. All circuit breakers ON

SM65F

T.O. 21-SM65F-CL-3-1

AFSC	MECHANIC NO.	WORK AREA	REMAINING TIME
541X0D		31, 12	07:27:00
SILC DOORS CLOSING (CONT)			
MISSILE LIFT SYSTEM LOGIC UNIT CLASSIS A447			
CAUTION			
If any of the four test adapter plugs are found to be installed, refer to T.O. 21-SM65F-2-23 for method of removal. Failure to comply may result in damage to equipment.			
1.	Test adapter plugs (4) not installed	VERIFIED	_____
2.	PLUG STATUS 1 and 2 indicators	GREEN	_____
	3 STATUS 1 and 1 indicators	RED	_____
<u>CONTROL STATION MANUAL OPERATING LEVEL PANEL</u>			
WARNING			
Notify all personnel, by public address, that the 10-HP pump will be started and doors will be closed. Failure to comply may result in injury to personnel.			
1.	All indicators	EXTINGUISHED	_____
2.	(Deleted)		_____
Changed 6 March 1963 13105			

AFSC	FUNCTION	WORK AREA	REMAINING TIME
SD		12	00:25:00

SEED INHIBITORS CLOSING (CONT)

CONTROL STATION MANUAL OPERATING LEVEL
PANEL (LEVEL 1) (CONT)

3.	HYDRAULIC 40 HP PUMP ON pushbutton	DEPRESSED	<input checked="" type="checkbox"/>
4.	HYDRAULIC 40 HP PUMP ON indicator	ILLUMI- NATED	<input checked="" type="checkbox"/>
5.	HYDRAULIC 40 HP PUMP PRESSURE indicator	ILLUMI- NATED	<input checked="" type="checkbox"/>
6.	LAUNCHER PLATFORM DOWN COMPLETED RUN AND LOCKED indicator	GREEN	<input checked="" type="checkbox"/>

NOTE

The next eight steps (*) shall be accom-
plished if the indicator in step 6 fails
to illuminate green.

*7.	HYDRAULIC 40 HP PUMP OFF pushbutton	DEPRESSED	<input type="checkbox"/>
*8.	All CSMOL indicators	EXTIN- GUISHED	<input type="checkbox"/>

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SM65F-2-21-5

AFSC

AFSC

WORK AREA

REMAINING TIME

A1150D

21-22

00:23:00

SLID DOORS CLOSING

MISSILE TEST SYSTEM LOGIC UNIT (CH 21) A1A2)

NOTE

Abolish next two steps simultaneously.

*1. LAUNCHER STATES

pushbutton DEPRESSED

*2. TEST START pushbutton DEPRESSED

CONTROL STATION MANUAL OPERATING LEVEL,
PANEL (LEVEL 1)

*1. HYDRAULIC 40 HP PUMP

ON pushbutton DEPRESSED

*2. HYDRAULIC 40 HP PUMP

ON indicator ILLUMI-
NATED

*3. HYDRAULIC 40 HP PUMP

PRESSURE indicator ILLUMI-
NATED

*4. LAUNCHER PLATFORM
DOWN COMPLETED RUN
AND GREEN indicator GREEN

NOTE

When completing step 4, the indicator still
to be illuminated green refer to T.O. 21-
SM65F-2-21 for trouble-shooting procedures.

SM051

T.O. 11-15-1-1-1

AFSC 041X0D	MECHANIC NO.	WORK AREA	REMAINING TIME 00:21:00
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SILO DOORS CLOSING (CONT)

CONTROL STATION MANUAL OPERATING LEVEL
PANEL, (LEVEL 1) (CONT)

- 5. CREP VERTICAL LOCK indicator ILLUMINATED
- 6. CREP HORIZONTAL LOCK indicator ILLUMINATED
- 7. SILO DOORS OPEN indicator ILLUMINATED
- 8. CREP DISABLED indicator ILLUMINATED
- 9. All other indicators EXTINGUISHED

WARNING

The next operation will close the silo doors. Verify that all personnel and equipment are clear of the door path and that the warning horn sounds when the SILO DOORS CLOSE pushbutton is depressed. Failure to comply can result in injury to personnel and damage to equipment.

SM63F

T.O. 21-50651-CL 73-1

AFSC 541X5D	MECHANIC NO.	WORK AREA 12	REMAINING TIME 14:19:00
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SILO DOORS CLOSING (CONT)

CONTROL PANEL OPERATING LEVEL

12. EMERGENCY STOP
PUSHBUTTON DEPRESSED

NOTE
Foot motion begins
seconds, then release.

..... EXTING-
GUISHED

NOTE
Close completely before
doors to close.

..... ILLUMI-
NATED

CAUTION

In ¹² missile is pressurized and out of
sight prior to performing following four
steps. Failure to comply may result in
structural damage to missile.

13. CRIB HORIZONTAL
UNLOCK pushbutton DEPRESSED

AFSC

MECHANIC NO

WORK AREA

REMAINING TIME

SITO DOORS CLOSING (CONT)

CONTROL STATION MANUAL OPERATING LEVEL
PAKEL (CONT)

- 14. CRIB HORIZONTAL UNLOCK indicator ILLUMINATED ✓
- 15. CRIB VERTICAL UNLOCK indicator DEPRESSED ✓
- 16. CRIB VERTICAL UNLOCK indicator ILLUMINATED ✓
- 17. CRIB VERTICAL UNLOCK indicator DEPRESSED ✓
- 18. CRIB VERTICAL UNLOCK indicator DEPRESSED ✓
- 19. CRIB VERTICAL UNLOCK indicator DEPRESSED ✓

MISS

DOORS

(All do)

SM

P.O.

1-3100

L-2-1

MECHANIC NO.

WRT

REMAINING TIME

SILLO DOORS CLASSIC

SILLO CAP

Silto door cover

INSTALLED

AND

SECURED

Changed 21 December 1963

120-9