

NORMAL

*MWO 9-1400-250-30/22

Change 1

DEPARTMENT OF THE ARMY MODIFICATION WORK ORDER

CONTROL-INDICATOR C-2620A/TSW, CONTROL-INDICATOR C-2699/TSW: ADDITION AND MODIFICATION OF WIRING HARNESS ASSEMBLIES (NIKE-HERCULES AND IMPROVED NIKE-HERCULES AIR DEFENSE GUIDED MISSILE SYSTEMS)

Headquarters, Department of the Army, Washington, D.G
17 September 1964

MWO 9-1400-250-30/22, 13 August 1963, is changed as follows:

Page 1.

Change the title to read: CONTROL-INDICATOR C-2620A/TSW, CONTROL-INDICATOR C-2699/TSW: ADDITION AND MODIFICATION OF WIRING HARNESS ASSEMBLIES (NIKE-HERCULES AND IMPROVED NIKE-HERCULES AIR DEFENSE GUIDED MISSILE SYSTEMS)

1. Application.

* * * * *

g. (Added) Reporting of MWO Improvements. The direct reporting by the individual user of errors, omissions, and recommendations for improving this MWO is authorized and encouraged. DA Form 2028 (Recommended Changes to DA Publications) will be used for reporting these improvements. This form will be completed in triplicate using pencil, pen, or typewriter. The original and one copy will be forwarded to Commanding General, U.S. Army Missile Command, ATTN: AMSMI-SMPT, Redstone Arsenal, Ala., 35809.

Page 2.

2. Supply of Parts Required. *a. New Parts and Materials Required.*

Description	Part no.	Federal stock no.	Qty.
* * *	*	*	*
Kit, modification for direct support repair cable assembly, receptacle 8167963.	5950162	1440-858-5725	1
* * *	*	*	*

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10. Modification Procedure. *a. Modify control-indicator * * ** as outlined below:

* * *

(16) Connect the wires * * * 9030184 and 8525736.

Wire no.	Equipment with	Connect to
* * *	*	*
303BK20	-----	Minus terminal of M6A (wire 38X18).
* * *	*	*

(35) Connect the wiring * * * the table below.

Wire no.	Solder to	Crablok tip to	Common to	Or opposite
* * *	*	*	*	*
405BC22	P65B-A	E1Y-29	40BB22	
* * *	*	*	*	*

*This change supersedes message change TWX 9283 dated 27 August 1964.

(43) Install the identification * * * screws before installation.

Note 1. (Superseded) The new identification plate reidentifies the modified control-indicator as follows: Control-indicator C-2620B/TSW (9978279), for future reference.

* * * * *

6. Modify control-indicator * * * as outlined below.

* * * * *

(6) Disconnect, insulate using * * * wire terminal ends.

Wire no.	Disconnect from	Disconnect from
3032A20	E30S-169	

(7) Relocate the wires * * * tape, item 84.

Wire no.	Disconnect from	Equip with	Reidentify to	Connect to
311JM18	E30Q-117	Sleeving, item 76.	20AFU18	E30R-121.

(31) Perform the following * * * the check-out procedure.

Step	Positive from	Negative to	Remarks	Indication
5	J70C-24	J5A-15		Less than 40 ohms.
	J70B-24	J5A-15.		Less than 40 ohms.
	J70A-24	J5A-15		Less than 40 ohms.
	J69D-r	J5A-15		Less than 40 ohms.
11	-----	-----	Position the TEST-FIRE switch to TEST.	*

By Order of the Secretary of the Army:

Official:

J. C. LAMBERT,
Major General, United States Army,
The Adjutant General.

Distribution:

To be distributed in accordance with DA Form 12-32, Section II (Unclas) requirements for Nike Hercules, MWO, ground handling, support and service equipment.

P103B-G J81B-e ----- Continuity.

* * * * *

(35) Install the identification * * * screws before installation.

Note. The new identification * * * indicator as follows: control-indicator C-4830/TSW (9978253), for future reference.

* * * * *

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11. (Superseded) **Recording the Modification.**

a. *DA Form 2408-5 or DA Form 2409.* Record the modification on DA Form 2408-5, Equipment Modification Record, when multiple form assembled Equipment Logbook is applicable, or DA Form 2409, Equipment Maintenance Log (Consolidated), when directed, as indicated in paragraph 4-26, TM 38-750, dated Jan 64.

b. *Completion of DA Form 2407, Maintenance Request.* Identify the equipment for which the form is initiated in blocks 2, 3, 5 and 6. Normally this will be the end item modified or end item affected. The FSN of the actual item modified (end item, component, assembly or subassembly) will be entered in column 20h. When repair parts are modified, describe the item in blocks 2, 3, 5 and 6. The serial number to be reported will be the serial number of the item modified and should reflect a number in the serial number effectivity stated in paragraph 1 of this MWO. After completing the form, mail the NMP copy to the Commanding General, U.S. Army Missile Command, ATTN: AMSMI-SMME, Redstone Arsenal, Ala., 35809. Forward control copy as directed by local Commander.

HAROLD K. JOHNSON,
General, United States Army,
Chief of Staff.

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MWO 9-1400-250-30/22

Change 2

DEPARTMENT OF THE ARMY MODIFICATION WORK ORDER

CONTROL-INDICATOR C-2620A/TSW, CONTROL-INDICATOR C-2699/TSW: ADDITION AND MODIFICATION OF WIRING HARNESS ASSEMBLIES (NIKE-HERCULES AND IMPROVED NIKE-HERCULES AIR DEFENSE GUIDED MISSILE SYSTEMS)

Headquarters, Department of the Army, Washington, D.C.
2 February 1965

MWO 9-1400-250-30/22, 13 August 1963, is changed as follows:

10. Modification Procedure.

* * * * *

y. (Added) Modify control-indicator C-2620A/TSW (9025515), serial number 1001 through 1957, as outlined below:

- (1) Remove all power from the section control group.
- (2) Gain access to terminals E1K, E1L, E1M and E1N, located in the rear of the control-indicator by releasing 15 captive fasteners.
- (3) At terminal E1K-8, disconnect, insulate and stow wire number 1-15C18.
- (4) At terminal E1L-8, disconnect, insulate and stow wire number 2-15C18.
- (5) At terminal E1M-8, disconnect, insulate and stow wire number 3-15C18.
- (6) At terminal E1N-8, disconnect, insulate and stow wire number 4-15C18.

Note. The wires listed in (7) below are coiled and stowed below launcher section relay rack 9025466, in or near wiring harness 9025576.

- (7) Locate wires 656A18, 656B18, 656C18, and 656D18, which are coiled and stowed.
- (8) Reroute wire 656A18 to terminal E1K and connect to terminal E1K-8.
- (9) Reroute wire 656B18 to terminal E1L and connect to terminal E1L-8.
- (10) Reroute wire 656C18 to terminal E1M and connect to terminal E1M-8.
- (11) Reroute wire 656D18 to terminal E1N and connect to terminal E1N-8.
- (12) Tie the wires rerouted in steps (3) through (11) above to the existing wiring harnesses, using lacing tape.
- (13) Secure the section control group.

z. (Added) Modify control-indicator 9032238, serial number 1021 through 4085 and 50000 through 50087 as outlined below:

- (1) Remove all power from the launcher operating control-indicator.
- (2) Gain access to terminals E30-T and E30-V by removing the cover plate from the right side of the LOCL.
- (3) Disconnect wire number 4036A18 from
By Order of the Secretary of the Army:

terminal E30T-210 and its shield wire from terminal E30T-209.

- (4) Route wire 4036A18 to terminal E30V and connect to E30V-248. Connect its shield wire to E30V-249.
- (5) Secure the LOCL.

aa. (Added) Perform the checkout procedure outlined below: Connect a missile to each launcher and insure that the gyro will slew properly.

Official:

J. C. LAMBERT,
*Major General, United States Army,
The Adjutant General.*

HAROLD K. JOHNSON,
*General, United States Army,
Chief of Staff.*

Distribution:

To be distributed in accordance with DA Form 12-32, Section II (Unclass) requirements for Nike Hercules and Nike Hercules (Improved), MWO, ground handling, support and service equipment.