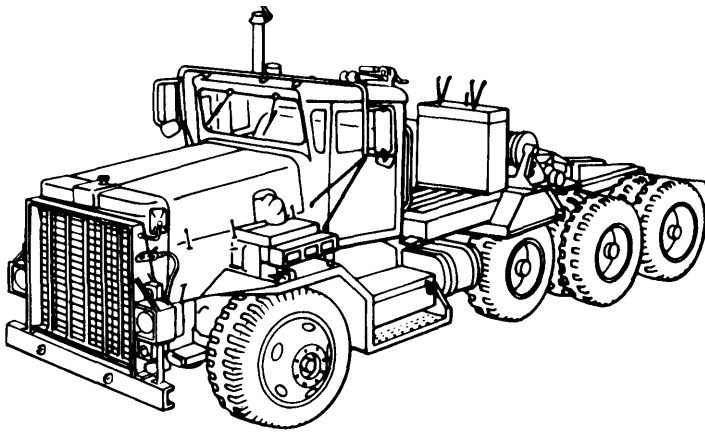


TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE

VOLUME 2 OF 3



MAINTENANCE INSTRUCTIONS -
CONTINUED
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TRUCK, TRACTOR, COMMERCIAL
HEAVY EQUIPMENT TRANSPORTER
(C-HET) 85,000 GVWR, 8 X 6, M911
(NSN 2320-01-025-3733)

JUNE 86

HEADQUARTERS, DEPARTMENT OF THE ARMY

TECHNICAL MANUAL

NO. 9-2320-270-20-2

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D. C., 10 June 1986

ORGANIZATIONAL MAINTENANCE MANUAL

TRUCK, TRACTOR, COMMERCIAL
HEAVY EQUIPMENT TRANSPORTER (C-HET)
85,000 GVWR, 8 X 6, M911
(NSN 2320-01-025-3733)

CURRENT AS OF NOVEMBER 1985

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be sent to you.

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* This manual supersedes TM 9-2320-270-20, dated 15 November 1977.

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MAIN TRANSMISSION SHIFT CONTROL

This task covers:

- | | |
|-------------------------------------|------------------------------|
| a. Removal (page 4-526) | c. Installation (page 4-528) |
| b. Cleaning/Inspection (page 4-528) | d. Adjustment (page 4-533) |
-

INITIAL SETUP

Tools

Handle, ratchet, 3/8-inch drive
 Screwdriver, cross-tip, number 3
 Screwdriver, flat-tip
 Socket, 7/16-inch, 3/8-inch drive
 Socket, 9/16-inch, 3/8-inch drive
 Socket, 3/4-inch, 3/8-inch drive
 Wrench, open-end, 7/16-inch
 (two required)
 Wrench, open-end, 1/2-inch
 (two required)
 Wrench, open-end, 9/16-inch
 Wrench, open-end, 3/4-inch

Materials/Parts

Lockwasher, bracket to transmission
 Lockwasher, cable to lever
 Lockwasher, housing to cab floor
 (two required)
 Lockwasher, housing to shift control
 (four required)
 Lockwasher, lever
 Lockwasher, U-bolt to bracket (two required)
 Lockwasher, U-bolt to hanger (two required)
 Tag, marking (item 18, appendix C)

Personnel Required

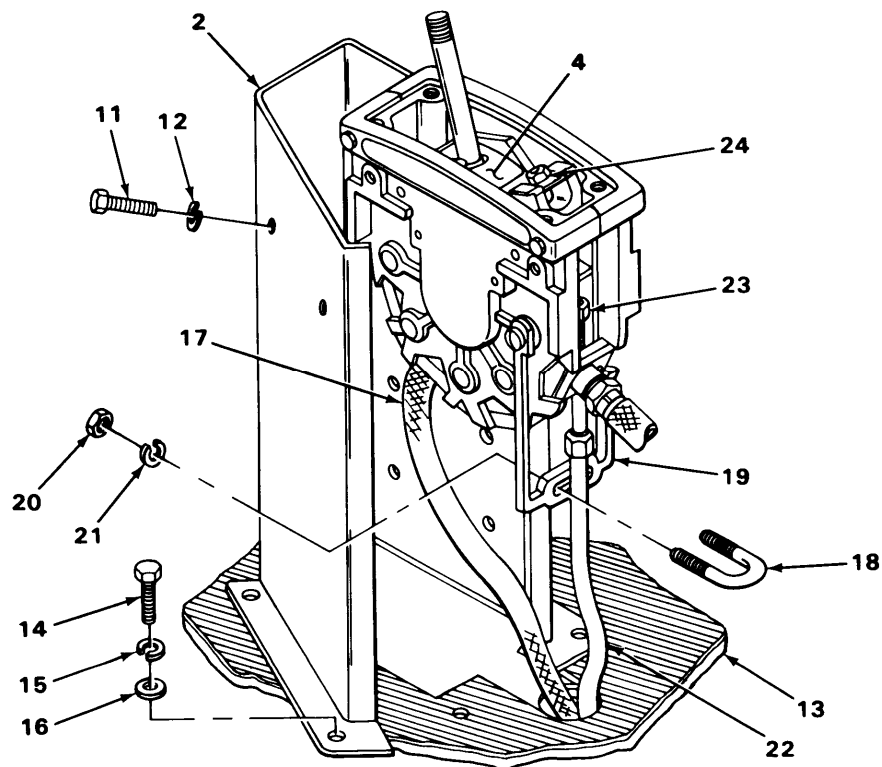
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MAIN TRANSMISSION SHIFT CONTROL - CONTINUED

LOCATION	ITEM	ACTION	REMARKS
REMOVAL			
1. Gate assembly (1) to housing (2)	Two screws (3)	Using cross-tip screwdriver, unscrew and take out.	
2. Shift control (4)	Shift lever (5)	Move to first gear (6).	
3. Gate assembly (1) to housing (2)	Two screws (7)	Using cross-tip screwdriver, unscrew and take out.	
4. Shift lever (5)	Knob (8)	Unscrew and take off.	
5. Housing (2)	Gate assembly (1)	Take off.	
6. Gate assembly (1)	Lampholder bracket (9)	a. Using flat-tip screwdriver, pry leg (10) away from gate assembly (1). b. pull off.	
7. Housing (2) to shift control (4)	Four screws (11) and lockwasher (12)	a. Using 7/16-inch socket and handle, unscrew and take out. b. Get rid of lockwashers (12).	TA240348

MAIN TRANSMISSION SHIFT CONTROL - CONTINUED

LOCATION	ITEM	ACTION REMARKS
8. Housing (2) to cab floor (13)	Two screws (14), lockwashers (15), and washers (16)	a. Using 7/16-inch open-end wrench, unscrew and take out. b. Get rid of lockwashers (15).
9. Housing (2)	Shift control (4)	Spread housing (2) far enough to pull shift control (4) forward and out.
10. Shift control (4)	Five wires (17)	Take off. Tag wires if needed (page 4-1).
11. U-bolts (18) to hanger (19)	Two nuts (20) and lockwashers (21)	a. Using 7/16-inch wrench, unscrew and take off. b. Get rid of lockwashers (21).
12. Hanger (19)	U-bolt (18)	Take out.
13. Cable (22) and shift control (4)	Nut (23) and nut (24)	Using two 1/2-inch open-end wrenches, unscrew until cable (22) is free.
14. Cable (22)	Shift control (4)	Take off.



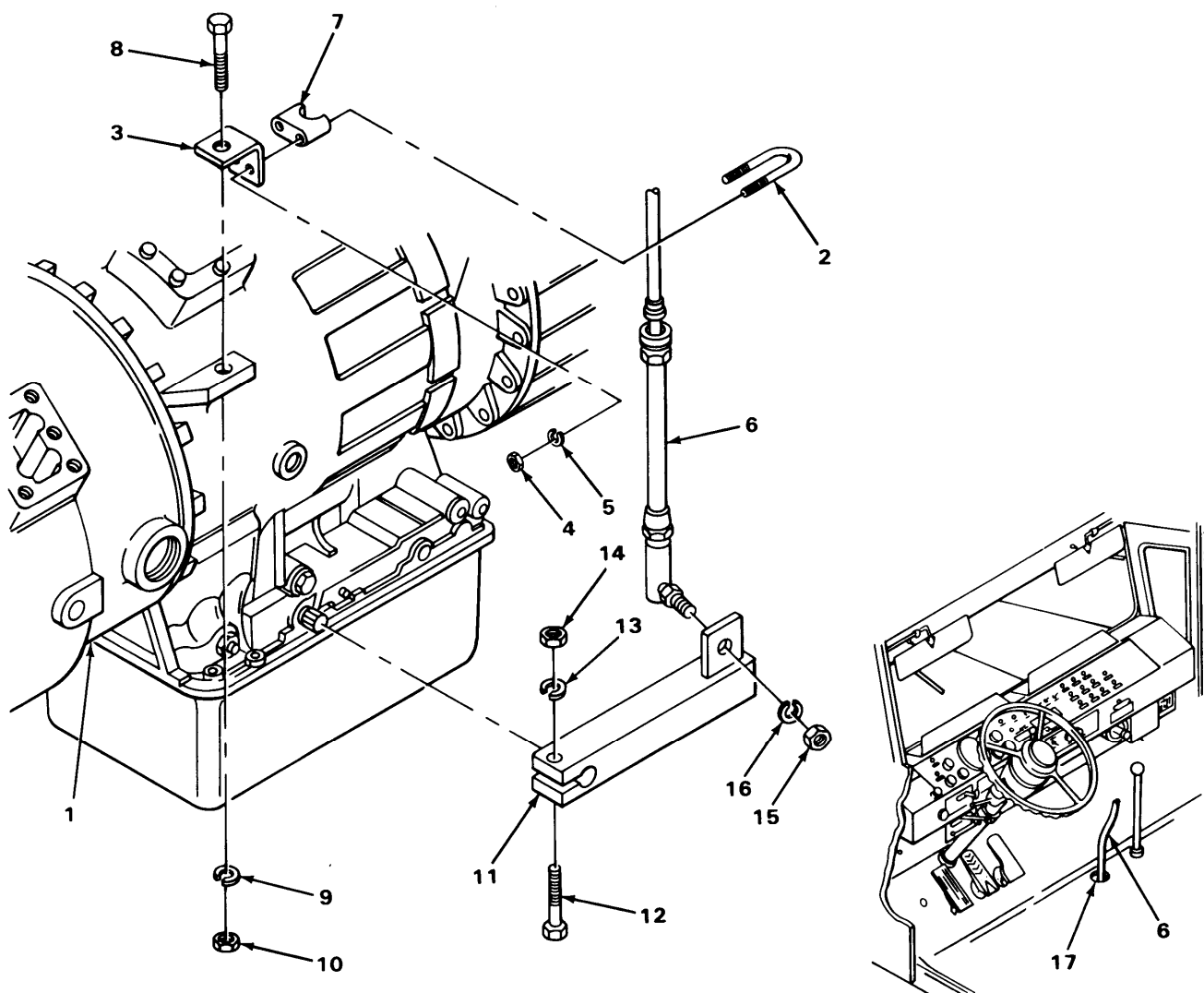
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MAIN TRANSMISSION SHIFT CONTROL - CONTINUED

LOCATION	ITEM	ACTION REMARKS
REMOVAL – CONTINUED		
15. Underneath transmission (1)/U-bolt (2) to bracket (3)	Two nuts (4) and lockwashers (5)	a. Using 7/16-inch wrench, unscrew and take out. b. Get rid of lockwashers (5).
16. Bracket (3) and cable (6)	U-bolt (2) and base (7)	Take off.
17. Bracket (3) to transmission (1)	Screw (8), lock-washer (9), and nut (10)	a. Using 3/4-inch socket, handle, and 3/4-inch wrench, unscrew and take out. b. Get rid of lockwashers (10).
18. Transmission (1)	Bracket (3)	Take off.
19. Lever (11)	Screw (12), lock-washer (13), and nut (14)	a. Using 9/16-inch socket, handle, and 9/16-inch wrench, unscrew and take out. b. Get rid of lockwasher (13).
20. Cable (6) to lever (11)	Nut (15) and lock-washer (16)	a. Using two 7/16-inch wrenches, unscrew and take off. b. Get rid of lockwasher (16).
21. Transmission (1) and cable (6)	Lever (11)	Take off.
22. Inside cab	Cable (6)	Pull through hole (17).
CLEANING/INSPECTION		
23.	All parts except shift control	Clean as shown in the general maintenance instructions (page 4-1).
24.	All parts	Inspect as shown in the general maintenance instructions (page 4-1).
INSTALLATION		
25. Inside cab	Cable (6)	Push through hole (17).
26. Transmission (1) and cable (6)	Lever (11)	Put on.

MAIN TRANSMISSION SHIFT CONTROL - CONTINUED

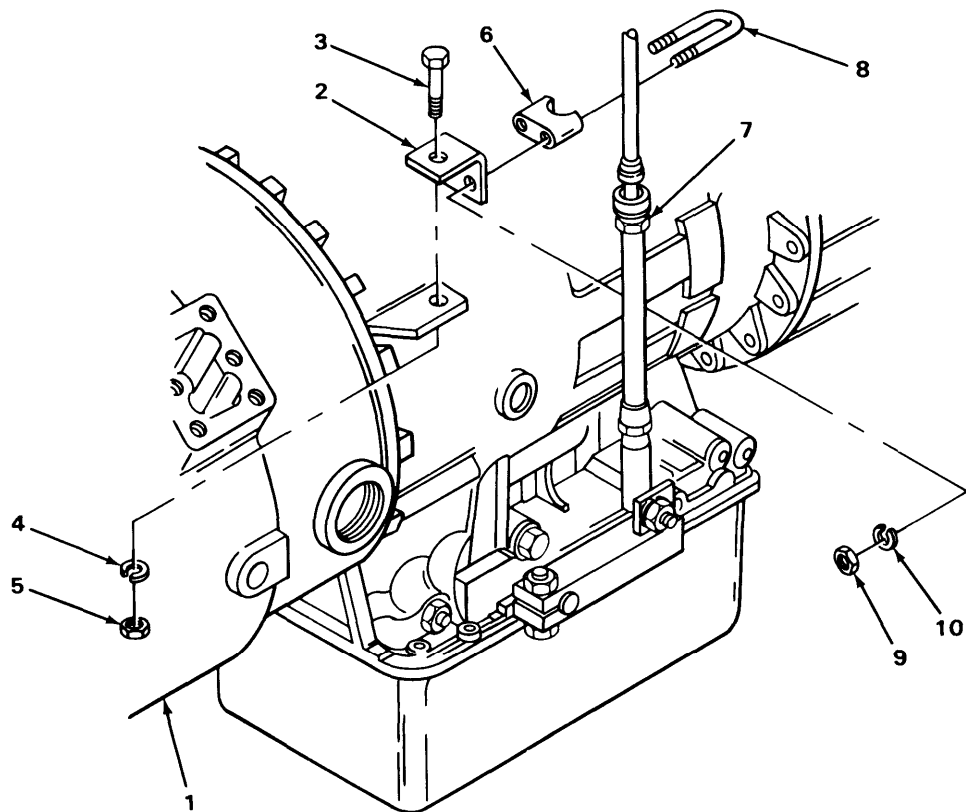
LOCATION	ITEM	ACTION REMARKS
27. Cable (6) to lever (11)	Nut (15) and new lockwasher (16)	Screw on and tighten using two 7/16-inch wrenches.
28. Lever (11)	Screw (12), new lockwasher (13), and nut (14)	Screw on and tighten using 9/16-inch socket, handle, and 9/16-inch wrench.



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MAIN TRANSMISSION SHIFT CONTROL- CONTINUED

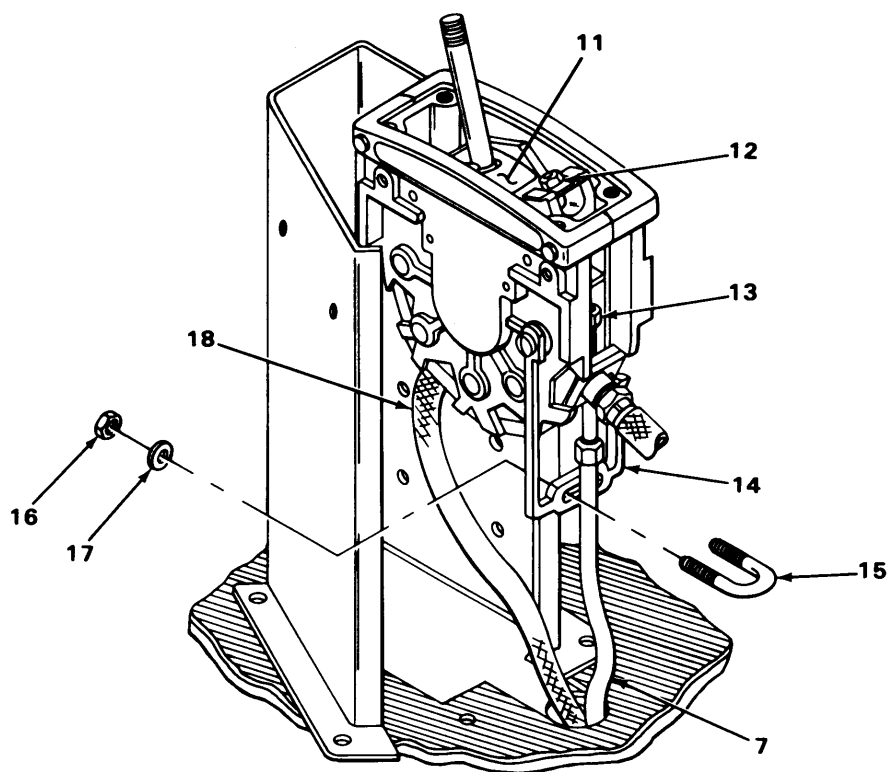
LOCATION	ITEM	ACTION	REMARKS
INSTALLATION – CONTINUED			
29. Underneath transmission (1)	Bracket (2)	Put on.	
30. Bracket (2) to transmission (1)	Screw (3), new lock-washer (4), and nut (5)	Screw in and tighten using 3/4-inch socket, handle, and 3/4-inch wrench.	
31. Bracket (2)	Base (6)	Put on.	
32. Base (6)	Cable (7)	Put on.	
33. Base (6) and bracket (2)	U-bolt (8)	Place in position.	
34. U-bolt (8) to bracket (2)	Two nuts (9) and new lockwashers (10)	Screw on and tighten using 7/16-inch wrench.	



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MAIN TRANSMISSION SHIFT CONTROL - CONTINUED

LOCATION	ITEM	ACTION REMARKS
35. Cable (7)	Shift control (11)	Put on.
36. Nut (12)	Cable (7)	a. Put cable (7) into nut (12). b. Screw in nut (12) using 1/2-inch wrench until nut (12) is approximately one turn from nut (13). c. Tighten nut (13) to nut (12) using two 1/2-inch wrenches.
37. Hanger (14)	U-bolt (15)	Put in.
38. U-bolt (15) to hanger (14)	Two nuts (16) and new lockwashers (17)	Screw on and tighten using 7/16-inch wrench.
39. Shift control (11)	Five wires (18)	Put on.



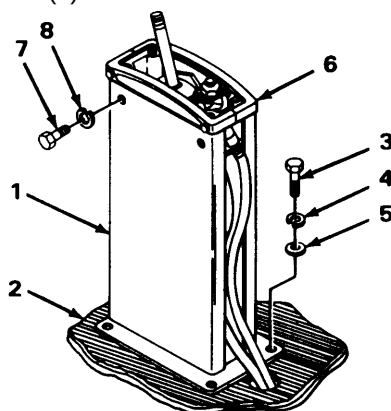
MAIN TRANSMISSION SHIFT CONTROL - CONTINUED

LOCATION	ITEM	ACTION REMARKS
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INSTALLATION - CONTINUED

40. Housing (1) to cab floor (2) Two screws (3), new lockwashers (4), and washers (5) Screw in and tighten using 7/16-inch socket and handle.

41. Housing (1) to shift control (6) Four screws (7) and new lockwashers (8) Screw in and tighten using 7/16-inch socket and handle.

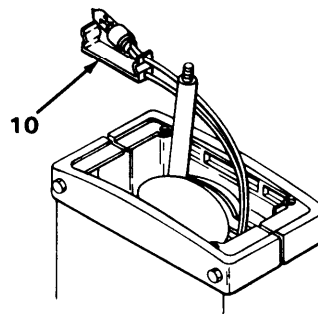
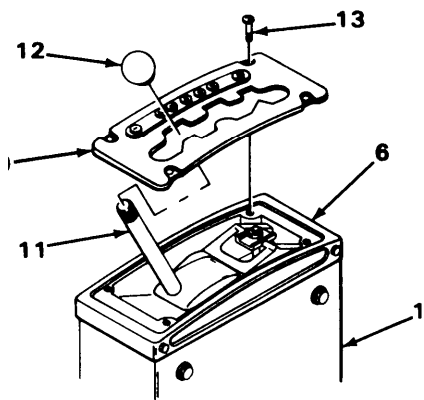


42. Gate assembly (9) Lampholder bracket (10) Snap on.

43. Housing (1) Gate assembly (9) Put on.

44. Shift lever (11) Knob (12) Screw on and tighten.

45. Gate assembly (9) to housing (1) Four screws (13) Screw in and tighten using flat-tip screwdriver.



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