

LIMITED URGENT

MWO effective date 1 Sep 1982 and completion date 29 Dec 1982

MWO 9-2320-287-35

MODIFICATION WORK ORDER

**MODIFICATION OF TRUCK TRACTOR,
COMMERCIAL HEAVY EQUIPMENT
TRANSPORTER (C-HET) 85,000 GVWR,
8x6, M911 INSTALLATION INSTRUCTIONS
FOR TOW KIT, P/N 126306-RU
NSN 2540-01-118-2901**

Headquarters, Department of the Army, Washington, DC

1 August 1982

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can 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) direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MBT, Warren, MI 48090. A reply will be furnished to you.
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1. PURPOSE OF MODIFICATION

The purpose of this modification is to provide rear brake and stop light operation on an M911 Truck Tractor being towed.

2. PRIORITY CLASSIFICATION

This modification is classified as LIMITED URGENT.

MWO effective date 1 Sep 1982 and completion date 29 Dec 1982.

a. Equipment in use (including equipment in supply or maintenance activities below depot level and equipment in administrative storage). Equipment in use may continue to be operated for a specific limited period of time, not to exceed 120 days, provided that specific cautions are provided by Sponsoring Agency and observed by using commands. These modifications will be accomplished as soon as practicable but no later than MWO completion date. Equipment not modified after expiration of MWO completion date will be reported as NORM/NOT READY in accordance with applicable Army Regulations.

b. Equipment in wholesale depot supply or maintenance activities. All MWO's to include MWO which have been incorporated into DMWR, will be accomplished on serviceable materiel prior to issue and/or subsequent to scheduled completion date. Operational Project Stock stored at the depots will be modified concurrently with depot stock. Issue of unmodified materiel is prohibited. The MWO will be applied to unserviceable materiel during scheduled depot maintenance.

c. Prepositioned stock. LIMITED URGENT MWO will be applied prior to expiration of MWO completion date.

3. END ITEM OR SYSTEM TO BE MODIFIED.

Table 1. End Item to be Modified

NOMENCLATURE	NSN	PART NO.	MODEL NO.	SERIAL NO. RANGE
Truck, Tractor Heavy Equipment Transporter, (C-HET) 85,000 GVWR, 8x6, M911	2320-01-025-3733	N/A	M911	All

4. MODULES (COMPONENTS, ASSEMBLIES, SUBASSEMBLIES, BOARDS, AND CARDS) TO BE MODIFIED. Not Applicable.

5. PART(S) TO BE MODIFIED. Not Applicable.

6. APPLICATION.

a. Time Compliance Schedule. MWO effective date 1 September 1982 and completion date 29 December 1982.

b. Level of Maintenance. Modification will be accomplished by Direct Support maintenance level.

c. Applied BY. Two persons with the following specialties are required to install MWO kit.

Automotive Repairman	(MOS 63H)	3 manhours
or		
Equivalent Civilian Mechanic		3 manhours

d. Time Required.

(1) Total of 3 manhours using 2 persons.

(2) Total of 3 manhours downtime for end item.

(3) Time for completion of one tow kit installation is 3 hours.

(4) Time for completion of one part. Not Applicable

e. MWO to be applied prior to or concurrently with this MWO. Not Applicable.

7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED AS A RESULT OF THIS MWO.

TM 9-2320-270-10
TM 9-2320-270-20
TM 9-2320-270-34

TM 9-2320-270-20P
TM 9-2320-270-34P

8. SUPPLY KITS, PARTS, AND DISPOSITION

a. Kits/parts Required to Accomplish MWO. All parts required to accomplish kit installation are listed in Table 2.

Table 2. Kits/Parts Required

Item Name and Part No.	Quantity Required Per: End Item/System	Figure No.	Item No.
Tow Kit, part number 126306RU (45152), NSN 2540-01-118-2901 consisting of the following:	1 ea		0
Gladhand, Emergency (18572-F)	4 ea	9	1
Gladhand, Service (18571-F)	4 ea	9	2
Valve, Quick Release (17739-F)	1 ea	22	3
Switch, Stoplight (52933-A)	1 ea	23	4
Coupling, Durnmy (768TR)	3 ea	40	5
Lockwasher (354-A)	12 ea	3,7,15,22	6
Anchor Stud (1656-F)	4 ea	9	7
Elbow 90 1/2 x 3/8 inch (111993-A)	2 ea	20	8
Cap Screw 5/16 - 18x1 inch (1846-H-1)	12 ea	3,7,15,22	9
Wire Harness (126307-CW)	1 ea	23	10
Bracket (126308-C)	4 ea	3, 7	11
Tubing 3/8 inch (23323-F)	150 in. (381.0 cm)	1	12
Tubing 3/8 inch (23323-F)	300 in. (762.0 cm)	1	13
Tubing 3/8 inch 23323-5)	56 in. (142.2 cm)	1	14
Protective Coil (119622-A)	48 in. 2 ea (121.9 cm)	12	15
Elbow 1/8 NPTx3/8 inch (1210-F).	1 ea	30	16
Hose Assy (63503-D)	1 ea	42	17
Tubing 3/8 inch (23323-F)	140 in. (355.6 cm)	36	18
Nylon Tie (5201-H)	18 ea	39	19
Clip (2290-H)	4 ea	15	20
Check Valve (18180-F)	1 ea	20	21
Tee 3/4 inch NPT (53371-A)	1 ea	20	22
Close Nipple (53373-A)	1 ea	20	23
Reducing Bushing (50738-A)	1 ea	20	24
Reducing Bushing (50736-A)	1 ea	23	25
Bracket, Quick Release (1227559-C)	1 ea	22	26
Elbow 3/8 NPTx3/8 inch (2991-F)	1 ea	28	27
Reducing Bushing 1/2 x 3/8 inch (1330380)	2 ea	33	28

Table 2. Kits/Parts Required

Item Name and Part No.	Quantity Required Per: End Item/System	Figure No.	Item No.
Close Nipple 3/8 inch (33287-A)	2 ea	33	29
Tee 3/8 inch NPT (51514-A)	2 ea	33	30
Adapter 3/8 NPTx1/2 inch (2120-F)	2 ea	35	31
Tubing 3/8 inch (23323-F)	105 in. (266.7 cm)	36	32
Elbow 1/4 inch NPT (1215-F)	4 ea	10	33
Adapter 3/8 x 3/8 inch (2717-F)	2 ea	36	34
Hex Nut 5/16-18 inch (369-A-1)	12 ea	3,7,15,22	35
Coupling, Dummy (128851-B)	1 ea	41	36
Capscrew 1 inch to 1 1/4 inch long (66345AX)	2 ea	23	37

b. Kits. Tow Kit, part number 126306-RU (45152), NSN 2540-01-118-2901.

c. Distribution and Issue Instructions. Distribution and Issue instructions will be detailed in Memorandum of Understanding.

d. Bulk and Consumable Materials.

Table 3. Bulk and Consumable Materials.

Item	NSN	Qty Required
Tape, teflon	8030-00-889-3534	2 rolls
Tape, electrical	5970-00-644-2636	1 roll
Detergent, GP, liq.	7930-00-282-9699	1/2 pint (0.236 liters)

e. Parts Distribution. Discard nut, sleeve and insert from adapter, part number 2120-F (45152) supplied with kit, and all excess kit material. Material removed and not used should be returned to stock fund for disposition in accordance with AR 255-1.

9. SPECIAL TOOLS; JIGS; TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED. Not Applicable.

10. MODIFICATION PROCEDURES.

a. Inventory the kit contents using the list in table 2 to assure completeness of the kit.

b. Use the instruction in paragraph 11 to install and check the installation of the tow kit.

CAUTION

Lower pusher axle and drain air reservoirs. Failure to do so could cause serious injury.

11. INSTALLATION

NOTE

- It is important that, before you start, you have five pieces of tubing with the dimensions shown below.
- For kits already fielded; there are approximately:
 - Twenty five kits that contain five pieces cut to the correct length (no problem).
 - Two hundred kits contain two pieces. One 300 inches (762.0 cm) and the other 451 inches (1145.5 cm) (leave 300 inch piece intact, cut other lengths from 451 inch piece).
 - Five hundred twenty-two kits that contain one piece of 751 inches (1902.5 cm) (cut five pieces in any order).
- Do not make any tubing cuts until all dimensions are accounted for (measure before cutting to make sure of getting all 5 pieces of required lengths).

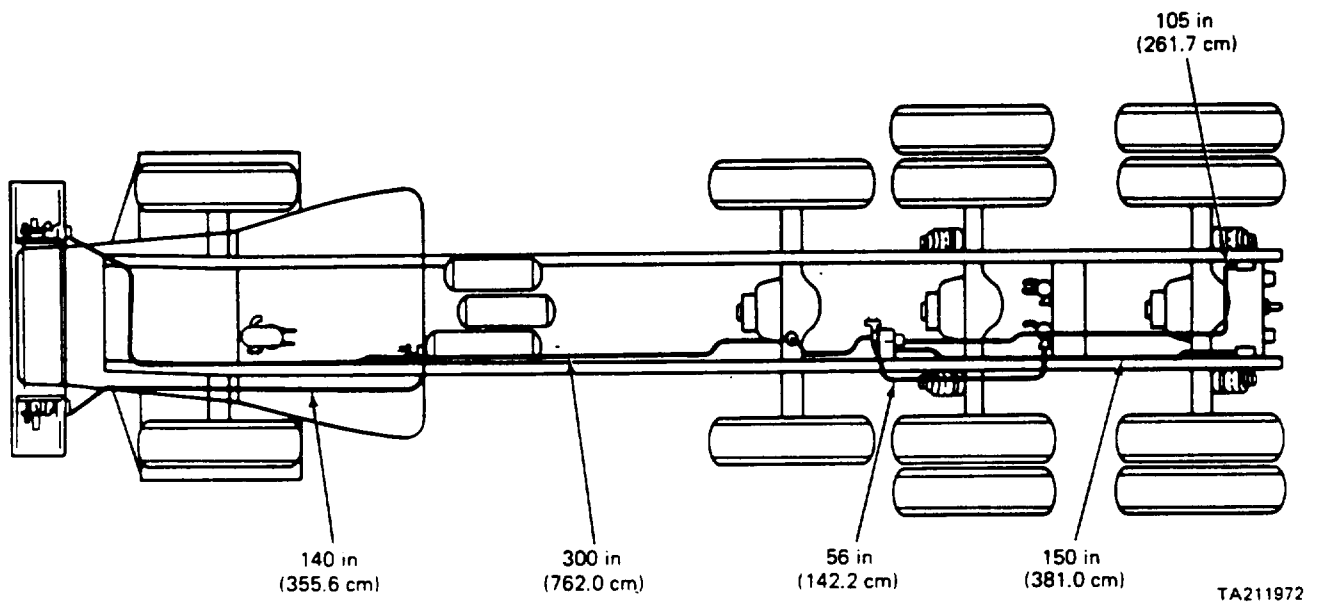


Figure 1. Tubing lengths

NOTE

Installation of gladhand brackets and gladhands for right and left side are the same. Left side shown.

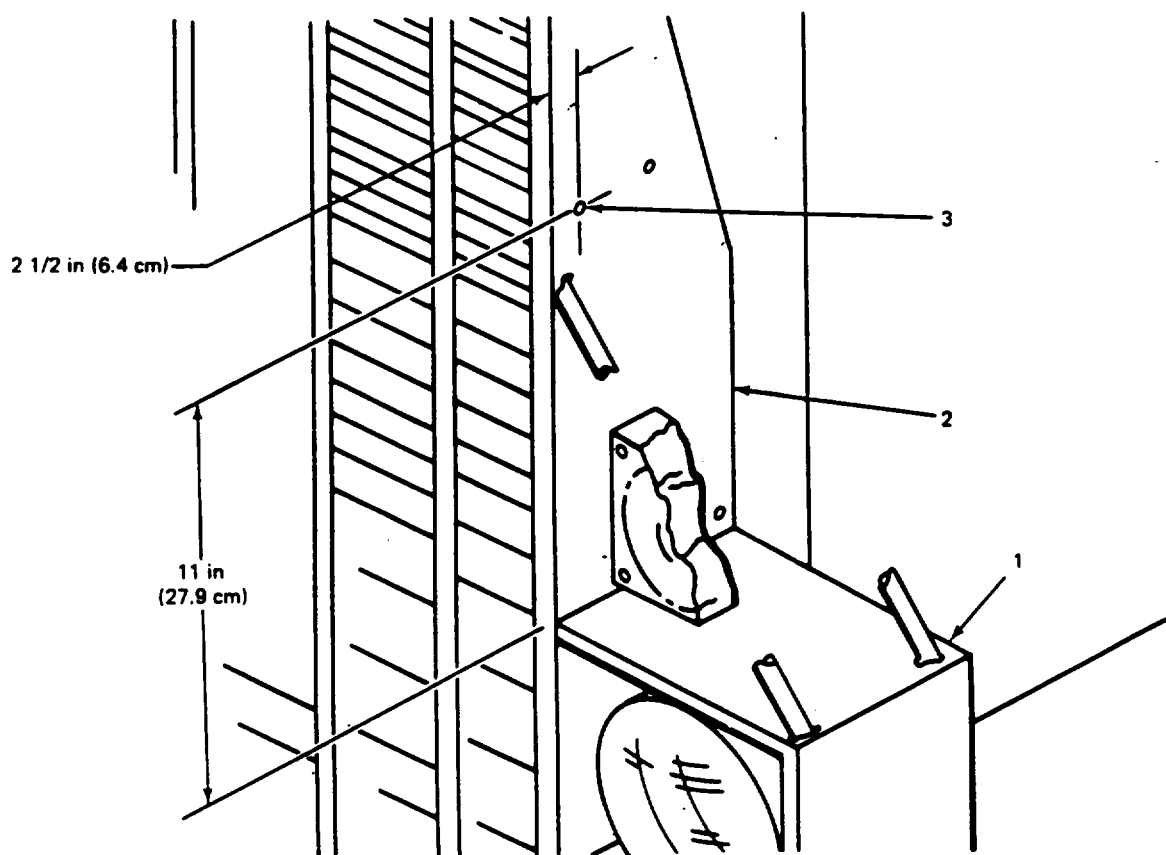
When marking the holes in steps A and B, extend the marks far enough so that they cross each other.

- a. Measure and mark 11 inches (27.9 cm) from top of headlight guard (1).
- b. Measure and mark 2 1/2 inches (6.4 cm) from the front of grill guard (2).

NOTE

It may be helpful to drill a 1/8 inch (3.18 mm) pilot hole before drilling the 5/16 inch (7.9 mm) diameter hole.

- c. Drill a 5/16 inch (7.9 mm) diameter hole (3) where the two marks on the grill guard (2) cross each other.



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Figure 2. Drilling front gladhand bracket holes