

URGENT

MWO effective date 1 February 1994 and completion date 31 December 1994

MWO 5-2330-360-23-1

MODIFICATION WORK ORDER

**INSTRUCTIONS FOR BRAKE (BENDIX) MODIFICATION
OF
SEMITRAILER, LOWBED; 40-TON
CONSTRUCTION EQUIPMENT TRANSPORTER M870 (CCE)
(CMI/LOAD KING MODEL 403LF)
(NSN 2330-00-133-1731)
AND
SEMITRAILER, LOWBED: 40-TON
CONSTRUCTION EQUIPMENT TRANSPORTER M870A1
(NSN 2330-01-224-9245)**

**HEADQUARTERS, DEPARTMENT OF THE ARMY, WASHINGTON, D.C.
1 February 1994**

1. PURPOSE. The purpose of this MWO is to provide kit data, parts information and modification instructions for brake (bendix) modification of Semitrailer, Lowbed: 40-Ton Construction Equipment Transporter M870 (CCE) (CMI/Load King Model 403LF), (NSN 2330-00-133-1731) and Semitrailer, Lowbed: 40-Ton Construction Equipment Transporter M870A1, (NSN 2330-01-224-9245)

2. PRIORITY. This modification is classified as URGENT.

3. END ITEM TO BE MODIFIED.

SEMITRAILER, Lowbed: 40-Ton Construction Equipment Transporter, M870 (NSN 2330-00-133-1731), LIN S70594. (The M870 modification is covered in paragraph 10, part one.)

SEMITRAILER, Lowbed: 40-Ton Construction Equipment Transporter, M870A1, (NSN 2330-01-224-9245), LIN S70594. (The M870A1 modification is covered in paragraph 10, part two.)

4. MODULES TO BE MODIFIED None.

5. PARTS TO BE MODIFIED.

The two trailer models brake systems will be modified to include a new (third) rear air reservoir tank, new relay valves, together with some new associated air lines and fittings, and replacement of existing slack adjusters with new automatic slack adjusters.

6. APPLICATION.

- a. Time Compliance Schedule. 1 February 1994 through 31 December 1994.
- b. Level of Maintenance. Unit and Direct Support maintenance levels.
- c. Work Force Skills. Unit and Direct Support general chassis mechanic.

Approved for public release; distribution is unlimited.

6. APPLICATION (Continued).

	M870 Basic	M870A1
d. Time Required (man-hours)		
(a) Wheel removal and installation	1.0	1.0
(b) Deck board removal and installation	0.5	N/A
(c) Air reservoir mounting bracket installation.....	0.8	0.8
(d) Air reservoir assembly and installation	0.5	0.5
(e) Valve replacement and new airline installation	1.9	1.9
(f) Slack Adjuster replacement	2.5	2.5
(g) Testing and marking	0.4	0.4
Total	7.6	7.1

7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED.

8. Technical Publication	Date
TM 5-2330-360-14&P, Operator, Organizational, Direct Support and General Support, and Repair Parts and Special Tools List, M870	6 December 1984
TM 5-2330-378-14&P, Operator, Organizational, Direct Support and General Support, and Repair Parts and Special Tools List, M870A1	18 May 1988

8. MWO PARTS LIST.

a Kit, Modification, SEMITRAILER, Lowbed: 40-Ton Construction Equipment Transporter, M870: PN 57K3318 (19207), NSN 2530-01-381-2845; and SEMITRAILER, ,Lowbed: 40-Ton Construction Equipment Transporter M870A1, PN 57K3296 (19207), NSN 2530-01-381-2844. Parts list for this conversion kit is as follows:

M870 MATERIALS LIST

PART NO. (CAGEC)	NSN	QNTY EACH TRAILER	NOMENCLATURE
101622 (06853)	2530-01-252-6121	1	Spring brake valve, (SR-4)
103385 (06853)	4820-00-142-3036	1	Drain cock
104561 (06853)	.....	1	Relay valve (R-12)
106345 (06853)	.....	1	Relay emergency valve (RE-6)
109165 (06853)	.....	2	Hose, 3/8" PT x 25" with swivel and adapter 3/8" PT (-65 degrees Farenheight Temperature
109379 (06853)	.....	1	Air Reservoir Tank
112472 (06853)	.....	2	Air reservoir tank mounting bracket
112479 (06853)	.....	1	Spring brake valve mounting bracket
112518 (06853)	.....	1	Tube, 1/2" x 23"
112520 (06853)	.....	1	Cross fitting
112521 (06853)	.....	1	Elbow, 1/4" PT x 3/8" HYD hose (Stainless Steel)
112553 (06853)	.....	2	Adapter, 3/8" PT x 3/8" HYD hose (Stainless Steel)
201946 (06853)	5310-00-013-8572	1	Washer, lock
202983 (06853)	5310-00-209-0933	8	Washer, lock, 3/8"
204235 (06853)	5310-01-055-8817	8	Washer, flat, 3/8"
205102 (06853)	.....	1	Elbow, 1/4" PT x 3/8" Tube
205103 (06853)	4730-00-288-9490	1	Tee, 1/4" PT x 3/8" Tube
205104 (06853)	4730-00-391-3809	1	Tee, 1/4" PT x 3/8" Tube (Pipe on Run)
212862 (06853)	.....	1	Reducing bushing 3/8" PT x 1/4" PT
217690 (06853)	4730-00-526-0284	1	Adapter, 1/4" PT x 1/2" Tube