



TECHNICAL MANUAL**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LIST)****SEMITRAILER, VAN: ELECTRONIC 10-TON,
4 WHEEL**

XM574	(2330-00-086-7406)	XM824	(2330-00-127-5415)
XM574EI	(2330-00-933-9944)	XM844	(2330-00-152-1817)
XM654	(2330-00-973-1608)	XM845	(2330-00-421-7286)
XM680	(2330-90-070-4452)	XM847	(2330-00-431-3428)
XM680E1	(2330-00-884-1749)	XM848	(2330-00-431-3429)
XM738	(2330-00-999-3893)	XM849	(2330-00-431-3433)
XM739	(2330-00-930-0024)	XM850	(2330-00-231-3441)
XM739EI	(2330-00-782-1377)	XM912	(2330-00-013-7764)
XM822	(2330-00-122-4966)	XM913	(2330-00-010-4954)
XM823	(2330-00-127-5405)		

**HEADQUARTERS, DEPARTMENT OF THE ARMY
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DEPARTMENT OF THE ARMY
WASHINGTON, D C, 26 January 1984

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FOR

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REPORTING OF ERRORS

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 back of this manual direct to Commander, US Army Tank - Automotive Command, ATTN: DRSTA-MBP, Warren, MI 48090. A reply will be furnished to you.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining the Semitrailer, Van: Electronic, 10-ton, 2-wheel, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM849, XM850, XM912, and XM913.

1-2. Maintenance Forms and Records

Maintenance forms and records that you are required to use are explained in TM 38-750.

1-3. Destruction of Army Materiel to Prevent Enemy Use

For destruction of army materiel to prevent enemy use, refer to TM 750-244-6.

1-4. Administrative Storage

For information on administrative storage, refer to TM740-90-1.

1-5. Quality Assurance/Quality Control

For quality assurance/quality control procedures, refer to TM 750-245-4.

1-6. Reporting Equipment Improvement Recommendations (EIRs)

If your electronic van needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF368 (Quality Deficiency Report). Mail it to us at: US Army Tank Automotive Command, ATTN: DRSTA-MP, Warren, MI 48090. We'll send you a reply.

Section II. DESCRIPTION AND DATA

1-7. Description (figs. 1-1 through 1-35)

a. The semitrailer vans covered in this manual are designed to house and transport electronic equipment on either highway or cross country using the M52, M52A1, M52A2 or M818 truck tractor as the towing vehicle.

b. The following semitrailers are designed to perform the following specific functions:

(1) The XM574 and XM574E1 semitrailers house and transport general purpose electronic equipment.

(2) The XM654 semitrailer houses and transports telemetry equipment.

(3) The XM680 and XM680E1 semitrailers house and transport electronic equipment.

(4) The XM738 semitrailer houses and transports telephone equipment.

(5) The XM739 and XM739E1 semitrailers house and transport switchboard equipment.

(6) The XM822 semitrailer houses and transports a petroleum testing laboratory.

(7) The XM823 semitrailer houses and transports teletype equipment.

(8) The XM824 semitrailer houses and transports cryptographic equipment.

(9) The XM844 semitrailer houses and transports on-line electronic equipment.

(10) The XM845 semitrailer houses and transports off-line electronic equipment.

(11) The XM847 semitrailer houses and transports digital terminal No. 1 equipment.

(12) The XM848 semitrailer houses and transports digital terminal No. 2 equipment.

(13) The XM849 semitrailer houses and transports secure voice-electronic equipment.

(14) The XM850 semitrailer houses and transports voice switch equipment.

(15) The XM912 and XM913 semitrailers house and transport computer equipment.

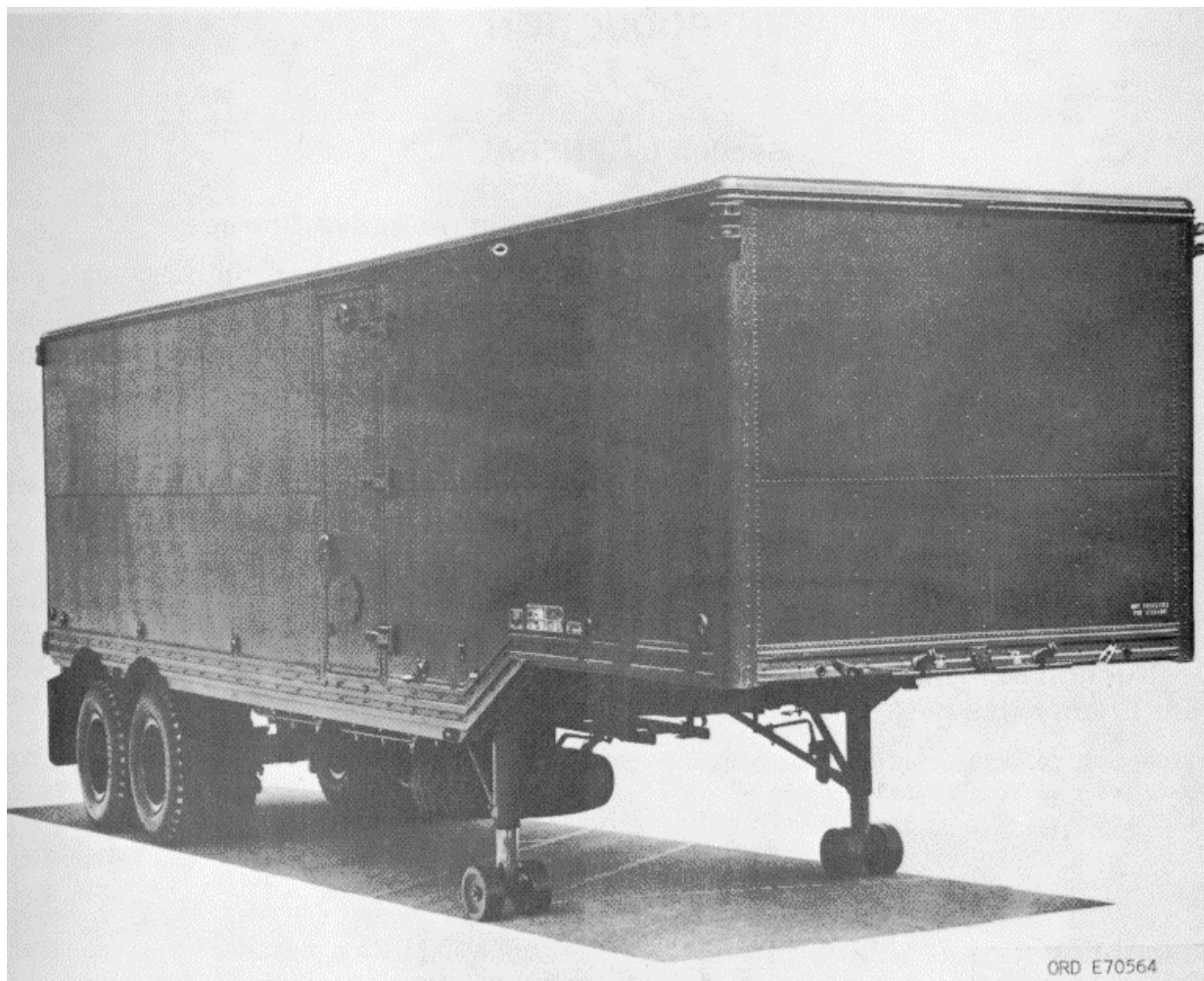


Figure 1-1. Semitrailer, van: electronic, XM574-right front view.



Figure 1-2. Semitrailer, van electronic, XM574-left rear view