TM 9-2330-246-14

TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE MANUAL

FOR

SEMITRAILER, VAN: ELECTRONIC, 6-TON, 2-WHEEL

M348A2 (NSN 2330-00-678-3838)
M348A2C (NSN 2330-00-690-7724)
M348A2D (NSN 2330-00-690-7725)
M348A2F (NSN 2330-00-690-7726)
M348A2G (NSN 2330-00-797-7405)
M348A2H (NSN 2330-00-973-1262)
M348A2K (NSN 2330-00-740-2322)
M348A2N (NSN 2330-00-740-2329)

M373A2 (NSN 2330-00-705-8932)
M373A2C (NSN 2330-00-672-7496)
M373A2D (NSN 2330-00-738-5869)
M373A3 (NSN 2330-00-937-4518)
M373A4 (NSN 2330-00-937-4519)
M373A5 (NSN 2330-00-781-7755)
XM1005 (NSN 2330-01-107-5728)
XM1007 (NSN 2330-01-109-5961)

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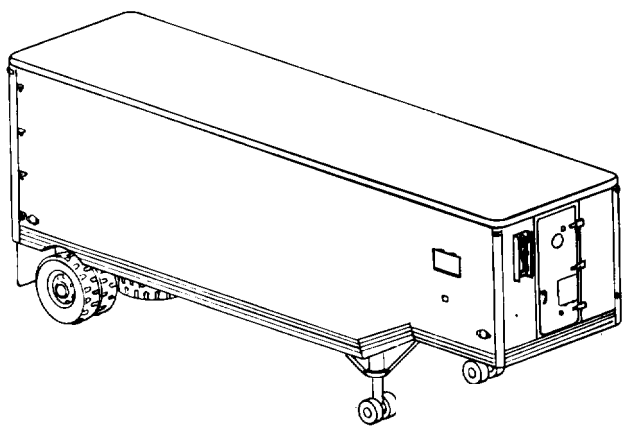

This manual and TM 9-2330-246-24P supersede TM 9-2330-246-14&P, dated 6 June 1983, and all changes.

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY MARCH 1992

TECHNICAL MANUAL

TM 9-2330-246-14

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D. C., *20 March 1992*

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XM1007 (NSN 2330-01-109-5961)

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 Pub//cations and Blank Form), or DA Form 2028-2, located in the back of this manual, direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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1-1. SCOPE.

a. **Type of ManuaL** Operator's, Organizational, DirectSupport, and GeneralSupport Maintenance Manual.

b. **Equipment Name and Model Numbers.** Semitrailer, Van: Electronic, 6-Ton, 2-Wheel, M348A2, M348A2C, M348A2D, M348A2F, M348A2G, M348A2H, M348A2K, M348A2N, M373A2, M373A2C, M373A2D,M373A3, M373A4, M373A5, XM1005, and XMl 007'

c. **Purpose of Equipment.** The semitrailers are designed to transport electronic equipment and other similar delicate items.

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, *The Army Maintenance Management System (TAMMS).*

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. PREPARATION FOR STORAGE OR SHIPMENT.

For information on preparing the semitrailers for storage or shipment, refer to Chapter 4, Section XVI.

1-5. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIRs).

if your semitrailer 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 SF 368 *(Product Quality Deficiency Report).* Mail it to us at: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MP, Warren, Ml 48397-5000. We'll send you a reply.

Section II. EQUIPMENT DESCRIPTION AND DATA

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Location and Description of Major Components	1-3

1-6. EQUIPMENT CHARACTERISTICS, CAPABILITIES, AND FEATURES.

a. The semitrailers are designed to transport electronic equipment and other similar delicate items.

b. The semitrailers are designed to be towed by the M52 5-ton Truck Tractor on either highway or cross-country. Speed is governed by safe driving speed of towing vehicle.

c. The semitrailers are equipped with:

(1) An integral body and frame.

(2) A fully insulated body.

(3) A removable dolly assembly to facilitate air transport.

(4) A 24-volt electrical system capable of operating under standard and blackout modes.

(5) Four-wheel single axle leaf spring suspension system to absorb road shock.

(6) Air/hydraulic brake system, with automatic breakaway protection, that receives air pressure from the towing vehicle.

(7) Manually operated landing gear used to raise or lower front of semitrailer and support front of semitrailer when uncoupled from towing vehicle.

(8) A towing pintle located at the rear of semitrailer for towing puroses.

(9) Wheel chocks used to prevent accidental movement of semitrailer when not coupled to towing vehicle.

(10) Ladder assemblies:

(a) A three-or four-step personnel ladder assembly used for access to semitrailer.

(b) A 12 ft ladder used for access to top of semitrailer.

(11) Leveling jacks with removable support shoe and handle used to stabilize rear of semitrailer.

d. M373A2D and XM1005 are equipped with radio frequency interference (RFI) shielding for improved radio reception,

e. M373A2D and M373A5 are equipped with a 80,000 BTU heater controlled by a thermostatic switch to provide semitrailer temperature control for equipment in transport.

f. M348A2H, M373A2D, M373A3, M373A4, and M373A5 are equipped with 208-volt, three-phase air conditioners to provide semitrailer temperature control for equipment in transport.

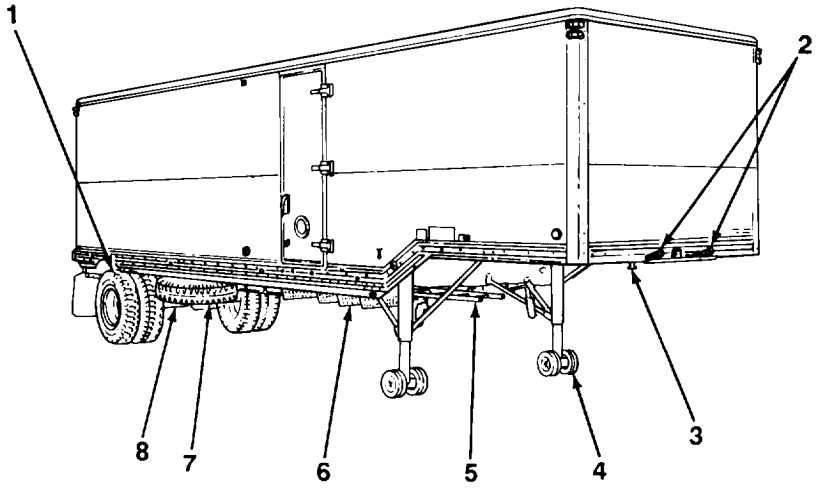
g. M348A2H, M373A3, M373A5, and M373A5 are equipped with a 110-volt electrical system.

1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS.

a. M348A2 Series, M373 Series, M373A3, M373A4, M373A5, XM1005, and XM1007 Series Vans.

NOTE

M348A2 is shown. All others are similar.



Key	Component	Description
1	Wheel Assembly	Consists of offset disk-type split rim and split-type retaining side rim.
2	Air Couplings	Connect emergency and service brake lines of van to towing vehicle.
3	Kingpin	Stand 2 in. kingpin couples van to towing vehicle.
4	Landing Gear	Used to support semitrailer and aid in raising or lowering semitrailer during coupling.
5	Ladder (12 ft)	Provides access to van body not available for M373A2 and M2373A2C vans.
6	Ladder (3 and 4 step)	Provides access to van body interior see paragraph 1-9 for quantities and types for different vans.
7	Spare Wheel Assembly	Used for emergency replacement for damaged wheel.
8	Axle and Bracket Assembly	Connects entire suspension system to frame.

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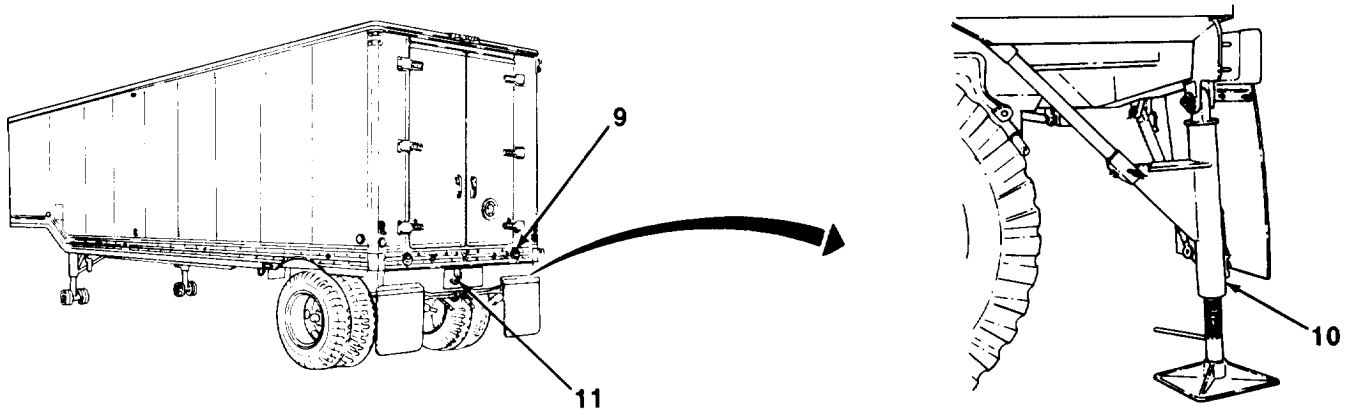
1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (Con't).



Key	Component	Description
9	Service Taillight, Stoplight, and Blackout Stoplight	Indicates presence of semitrailer to van vehicles traveling behind semitrailer.
10	Leveling Jack	Used to level and stabilize the semitrailer.
11	Pintle	Used for towing additional equipment behind van.

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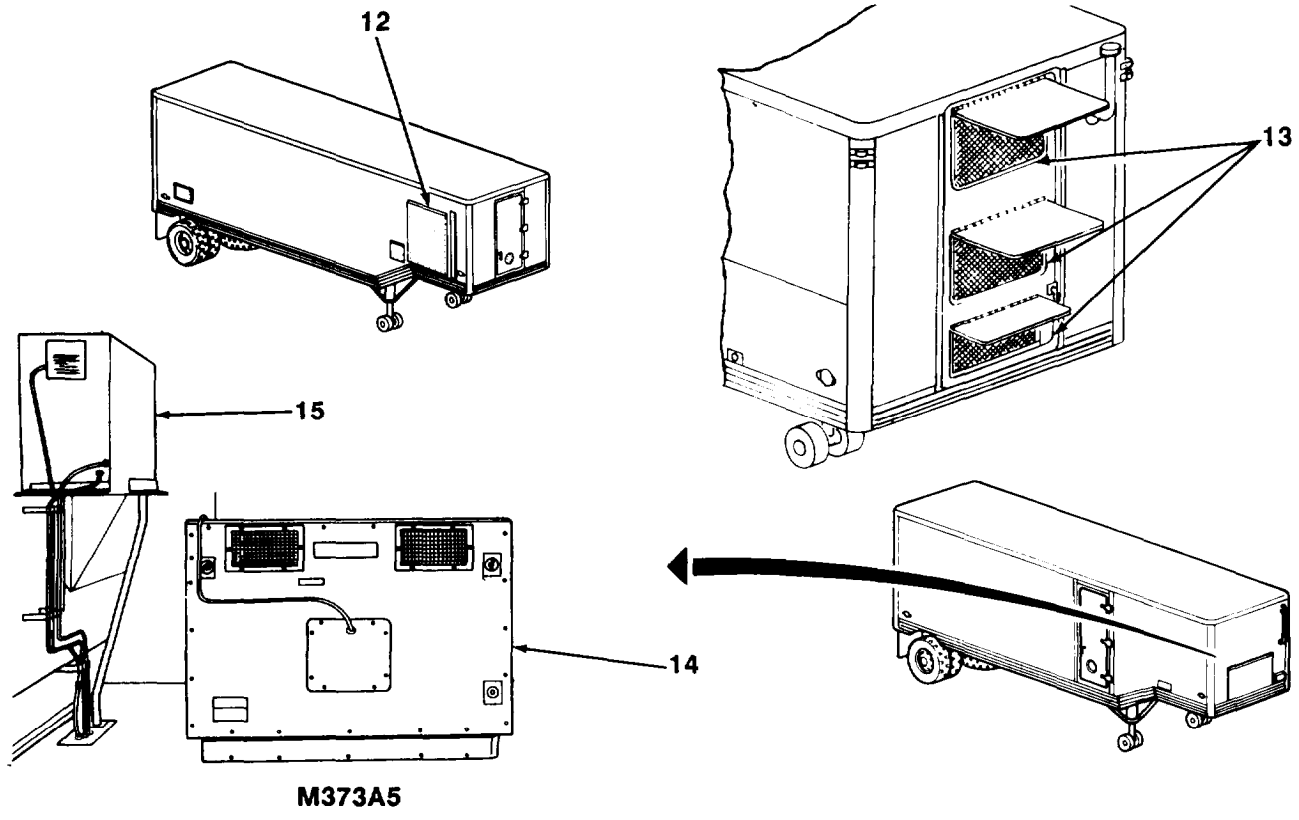
1-7. LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (Con't).

b. M348A2H, M373A2D, M373A3. M373A4. and M373A5 Vans.



M373A5

Key	Component	Description
12	Air Conditioner (M348A2H)	Three 18,000 BTU air conditioners are used to provide a controlled source of cooled and fresh air to van body interior.
13	Air Conditioner (M373A2D)	One 80,000 BTU air conditioner used to proved a controlled source o cooled and fresh air to van body interior.
14	Air Conditioner (M373A3, M373A4, and M373A5)	One 36,000 BTU air conditioner used to proved a controlled source of cooled and fresh air to van body interior.
15	Heater (M373A2D and M373A5)	Used to provide a controlled source of heated air to van body interior.

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