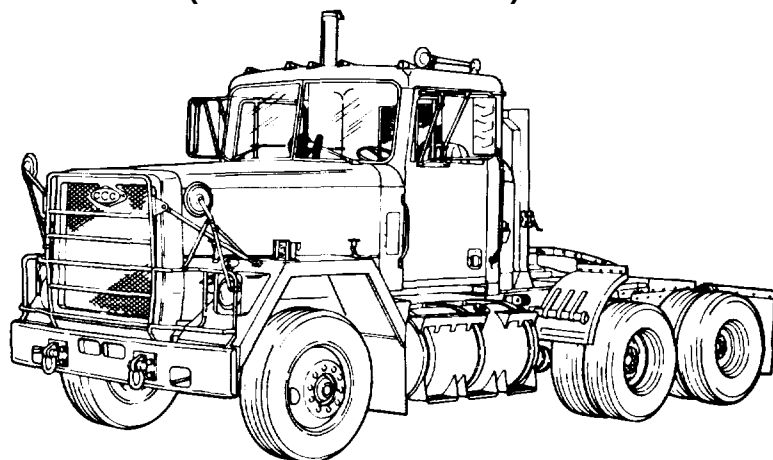


TECHNICAL MANUAL

**ORGANIZATIONAL
MAINTENANCE**

**TRUCK TRACTOR, LINE HAUL,
50,000 GVWR, 6 x 4, M915A1**

(NSN 2320-01-125-2640)



**HEADQUARTERS,
DEPARTMENT OF THE ARMY**

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DECEMBER 1983

TECHNICAL MANUAL
TM 9-2320-283-20-2

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 8 December 1983

ORGANIZATIONAL MAINTENANCE MANUAL

TRUCK TRACTOR, LINE HAUL,
50,000 GVWR, 6 X 4, M915A1

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 directly to Commander, U.S. Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, MI 48090. A reply will be furnished to you.

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Section VI. ELECTRICAL SYSTEM**3-68. GENERAL.**

This section provides procedures authorized at the organizational maintenance level to replace electrical system components. To find a specific procedure contained in this section, see the task summary below.

3-69. TASK SUMMARY.**INITIAL SETUP**APPLICABLE CONFIGURATIONS

All

EQUIPMENT CONDITIONPARAGRAPH

(Refer to specific paragraph for this information).

CONDITION DESCRIPTIONTEST EQUIPMENT

None.

SPECIAL TOOLS

None.

MATERIALS/PARTS (P/N)

Sealant, pipe
Item 24,
Compound, thread locking
Item 10, Appendix C
Putty, linseed oil
Item 21, Appendix C
Sealer, nonhardening
Item 25, Appendix C
Grease, automotive and artillery (GAA)
Item 7, Appendix C
Solvent, drycleaning, SD-2
Item 29, Appendix C
Thread sealant, liquid
Item 33, Appendix C
Tape, thread sealing
Item 32, Appendix C
Rags, wiping
Item 22, Appendix C
Solution, soap
Item 28, Appendix C
Sodium bicarbonate (baking soda)
Item 27, Appendix C
Black acidproof paint
Item 4, Appendix C.

Alternator drive belt,
Appendix C matched pair
(11288) 9429178.
Gasket
(19207) 11664431.
Gasket
(19207) 11664480.
Rope, nylon, 10 ft.
Tie, cable
(06383) SST4S.
Seal, O-ring
(15434) 3030808.
Rivet, blind, 3/16-inch (2)
(05693) SSP-62.
Pin, cotter
(24617) 137137.
Gasket
(98440) 2013.
Pin, cotter
(24617) 453689.
Rivet (2)
(11815) SSPQ-41.

ELECTRICAL SYSTEM.**3-69. TASK SUMMARY (Continued).**INITIAL SETUP (Continued)PERSONNEL REQUIRED

Two (MOS-63S5).

SPECIAL ENVIRONMENTAL CONDITIONS

Vehicle on level ground.

REFERENCES (TM)

TM 9-2320-283-10.

TM 9-2320-283-20P.

GENERAL SAFETY INSTRUCTIONS

Engine off.

Transmission in neutral.

Park brake set.

Starter assembly is heavy; use

caution when removing.

Engine coolant at room temperature.

Wear safety goggles.

TROUBLESHOOTING REFERENCES

Paragraph 2-11.

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	c. Operational Check.	3-70c	
2	Alternator Drive Belts Replacement	3-71	2-11
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3	Starter Motor and Solenoid Replacement	3-72	2-11
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4	Left-Hand Instrument Panel Gage Replacement	3-73	2-11
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5	Ignition Switch Replacement	3-74	2-11
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ELECTRICAL SYSTEM.

3-69. TASK SUMMARY (Continued).

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Task No.	Task	Task Ref	Troubleshooting Ref No. (Page)
6	Pushbutton Starter Switch Replacement	3-75	2-11
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7	Ether Start Switch Replacement	3-76	2-11
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8	Pushbutton Clearance Lamp Switch Replacement	3-77	2-11
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9	Headlamp Switch Replacement	3-78	2-11
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10	Blackout Toggle Switch Replacement	3-79	2-11
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11	Turn Signal Switch Replacement	3-80	2-11
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3-69. TASK SUMMARY (Continued).

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Task No.	Task	Task Ref	Troubleshooting Ref No. (Page)
13	Headlamp Dimmer Switch Replacement	3-82	2-11
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14	Cigar Lighter Replacement	3-83	2-11
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	b. Installation.	3-83b	
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15	Low Air Pressure Lamp Replacement	3-84	2-11
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16	Ether Lamp and Clearance Lamp Replacement	3-85	2-11
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17	Wiper Lamp and Washer Lamp Replacement	3-86	2-11
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18	Warning and Indicator Lamps Replacement	3-87	2-11
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20	Engine Retarder Foot Switch Replacement	3-89	2-11
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30	Map Lamp and Switch Replacement	3-99	2-11
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	b. Installation.	3-99b	
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Task No.	Task	Task Ref	Troubleshooting Ref No. (Page)
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35	Low Oil Pressure Sending Unit Replacement	3-104	2-11
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	b. Installation.	3-104b	
36	Fuel Level Sending Unit Replacement	3-105	2-11
	a. Removal.	3-105a	
	b. Installation.	3-105b	
37	Neutral Safety Switch and Reverse Switch Replacement	3-106	2-11
	a. Removal.	3-106a	
	b. Installation.	3-106b	
	c. Operational Check.	3-106c	
38	Differential Lock Pressure Switch Replacement	3-107	2-11
	a. Removal.	3-107a	
	b. Installation.	3-107b	
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39	Park Brake Pressure Switch Replacement	3-108	2-11
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	b. Installation.	3-108b	
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40	Low Air Pressure Switch Replacement	3-109	2-11
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	b. Cleaning and Inspection.	3-110b	
	c. Installation.	3-110c	
42	Turn Signal Flasher Replacement	3-111	2-11
	a. Removal.	3-111a	
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	c. Installation.	3-111c	
43	Instrument Panel Relays Replacement	3-112	2-11
	a. Removal.	3-112a	
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44	Instrument Panel 24-Volt Relay Replacement	3-113	2-11
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46	Starter Relay Replacement	3-115	2-11
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47	Starting Circuit Diode Replacement	3-116	2-11
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48	Horn Replacement	3-117	2-11
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