

TECHNICAL MANUAL

SCHEDULED MAINTENANCE

OPERATOR LEVEL

TRUCK, CARGO:

1-1/4-TON, 6x6, M561 (NSN 2320-00-873-5407)

TRUCK, AMBULANCE:

1-1/4-TON, 6x6, M792 (NSN 2310-00-832-9907)

(DIESEL)

Chapter 1
Preventive
Maintenance

Chapter 2
Checkout,
Alinement, and
Adjustment

Chapter 3
Lubrication

Chapter 4
Scheduled
Maintenance of
Material Used
in Conjunction
with Major
Items

DEPARTMENTS OF THE ARMY AND THE AIR FORCE

SEPTEMBER 1980

WARNING

EXHAUST GASES CAN BE DEADLY

Exposure to exhaust gases produces symptoms of headache, dizziness, loss of muscular control, apparent drowsiness, and coma. Permanent brain damage or death can result from severe exposure.

Carbon monoxide occurs in the exhaust fumes of fuel burning heaters and internal combustion engines, and becomes dangerously concentrated under conditions of inadequate ventilation. The following precautions must be observed to insure the safety of personnel whenever fuel burning heater(s) or engine of any vehicle is operated for maintenance purposes or tactical use.

Do not operate heater or engine of vehicle in an enclosed area unless it is adequately ventilated.

Do not idle engine for long periods without maintaining adequate ventilation in personnel compartments.

Do not drive any vehicle with inspection plates or cover plates removed unless necessary for maintenance purposes.

Be alert at all times during vehicle operation for exhaust odors and exposure symptoms. If either are present, immediately ventilate personnel compartments. If symptoms persist, remove affected personnel from vehicle and treat as follows: expose to fresh air; keep warm; do not permit physical exercise; if necessary, administer artificial respiration.

If exposed, seek prompt medical attention for possible delayed onset of acute lung congestion. Administer oxygen if available.

The best defense against exhaust gas poisoning is adequate ventilation.

WARNING

Serious or fatal injury to personnel may result if the following instructions are not complied with.

Use extreme care when removing radiator cap, especially when temperature gage shows above 180°F.

Always wear leather gloves when handling winch cable. Never allow cable to slip through hands. Do not operate winch with less than four turns of cable on drum.

Do not drive truck until the low air pressure warning buzzer is silent and the air pressure gage shows at least 65 PSI. This is the minimum pressure required for safe braking action.

Do not use hand throttle to drive the vehicle.

Do not park truck with front transmission gearshift lever in gear.

If your vehicle class number is greater than the bridge class number, do not cross.

WARNING

Do not place arms, legs, or objects between tractor and carrier. Any object hanging over this bulkhead may be crushed when truck articulates (turns at the joint).

Before backing up truck, make sure the rear and sides of the truck are clear of personnel and obstructions.

Deep fording may become a swimming operation due to increased water depth. Before fording, make sure that drain plugs are in place and bilge pump is working. Make sure all personnel have on life jackets.

Use extreme care while working in the area of the batteries. Grounding of the positive terminal to the truck frame can cause severe personnel injury and damage to equipment.

When used to carry flammables, explosives, or other hazardous material, equip truck with a fire extinguisher.

TECHNICAL MANUAL
NO. 9-2320-242-10-2
TECHNICAL ORDER
NO. 36A12-1A-2051-2

DEPARTMENTS OF THE ARMY
AND
THE AIR FORCE
Washington, DC, 30 September 1980

TECHNICAL MANUAL

SCHEDULED MAINTENANCE

OPERATOR LEVEL

TRUCK, CARGO:

1-1/4-TON, 6x6, M561 (NSN 2320-00-873-5407)

TRUCK, AMBULANCE:

**1-1/4-TON, 6x6, M792 (NSN 2310-00-832-9907)
(DIESEL)**

Current as of 1 February, 1980

REPORTING OF 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 procedure, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publication and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Tank Automotive Materiel Readiness Command, ATTN: DRSTA-MB, Warren, Michigan 48090. A reply will be furnished to you.

	Paragraph	Page
CHAPTER 1. PREVENTIVE MAINTENANCE		
General	1-1	1-1
Maintenance Forms and Records	1-1a	1-1
Preventive Maintenance Checks and Services	1-1b	1-1

*This manual, together with TM 9-2320-242-10-1, 30 September 1980; -10-3, 30 September 1980 and -10-4, 30 September 1980 supersedes TM 9-2320-242-10, 4 March 1977.

TABLE OF CONTENTS-CONT

CHAPTER 1 — Continued	Paragraph	Page
General Maintenance Procedures	1-2	1-1
Cleanliness	1-2a	1-1
Bolts, Nuts, and Screws	1-2b	1-2
Welds	1-2c	1-2
Electric Wires and Connectors	1-2d	1-2
Hydraulic Lines and Fittings	1-2e	1-2
Fluid Leakage	1-3	1-2
CHAPTER 2. CHECKOUT, ALINEMENT, AND ADJUSTMENT		2-1
General		
3. LUBRICATION		
General	3-1	3-1
Special Instructions	3-2	3-1
4. SCHEDULED MAINTENANCE OF MATERIAL USED IN CONJUNCTION WITH MAJOR ITEMS		
General	4-1	4-1
PMCS Procedures	4-2	4-1

CHAPTER 1

PREVENTIVE MAINTENANCE

1-1. GENERAL.

a. Maintenance Forms and Records. Every mission begins and ends with the paperwork. There isn't much of it, but you have to keep it up. The forms and records you fill out have several uses; they are a permanent record of the services, repairs, and modifications made on your vehicle; they are reports to Organizational Maintenance and to your Commander; and they are a checklist for you when you want to know what is wrong with the vehicle after its last use, and whether those faults have been fixed. For the information you need on forms and records, see TM 38-750.

b. Preventive Maintenance Checks and Services. (Tables 1-1, 2-1, 3-1 and 4-1)

(1) Do your (B) PREVENTIVE MAINTENANCE just before you operate your vehicle. Pay attention to the CAUTIONS and WARNINGS.

(2) Do your during (D) PREVENTIVE MAINTENANCE while the vehicle and/or its component systems are in operation.

(3) Do your after (A) PREVENTIVE MAINTENANCE right after operating the vehicle. Pay attention to the CAUTIONS and WARNINGS.

(4) Do your (W) PREVENTIVE MAINTENANCE weekly.

(5) Do your (M) PREVENTIVE MAINTENANCE once a month.

(6) If something doesn't work, troubleshoot it with the instructions in this manual and notify your supervisor.

(7) Always do your PREVENTIVE MAINTENANCE in the same order until it gets to be a habit. Once you've had some practice, you'll spot anything wrong in a hurry.

(8) If anything looks wrong and you can't fix it, write it on your DA Form 2404. If you find something seriously wrong, report it to Organizational Maintenance RIGHT NOW.

(9) When you do your PREVENTIVE MAINTENANCE, take along the tools you need to make all the checks. You always need a rag or two, also.

1-2. GENERAL MAINTENANCE PROCEDURES.

a. Cleanliness. Dirt, grease, oil, and debris only get in the way and may cover up a serious problem. Clean as you work and as needed. Use dry cleaning solvent (SD-2) on all metal surfaces.

WARNING

Dry cleaning solvent, SD-2, used to clean parts is potentially dangerous to personnel and property. Do not use near open flame or excessive heat. Flash point of solvent is 100° F.

b. Bolts, Nuts, and Screws. Check them all for obvious looseness, missing, bent, or broken condition. You can't try them all with a tool, of course, but look for chipped paint, bare metal, or rust around bolt heads. If you find one you think is loose, tighten it, or report it to Organizational Maintenance.

c. Welds. Look for loose or chipped paint, rust, or gaps where parts are welded together. If you find a bad weld, report it to Organizational Maintenance.

d. Electric Wires and Connectors. Look for cracked or broken insulation, bare wired, and loose or broken connectors. Tighten loose connectors and make sure the wires are in good shape.

e. Hydraulic Lines and Fittings. Look for wear, damage, leaks, and make sure clamps and fittings are tight. Wet spots show leaks, of course, but a stain around a fitting or connector can mean a leak. If a leak comes from a loose fitting or connector, tighten it. If something is broken or worn out, report it to Organizational Maintenance.

1-3. FLUID LEAKAGE. It is necessary for you to know how fluid leakage affects the status of the hydraulic system. The following are definitions of the types/classes of leakage you need to know to be able to determine the status of your vehicle. Learn, then be familiar with them and REMEMBER -- WHEN IN DOUBT, NOTIFY YOUR SUPERVISOR!

CAUTION

Equipment operation is allowable with minor leakages (Class I or II). Of course, consideration must be given to the fluid capacity in the item/system being checked/inspected. When in doubt, notify your supervisor.

When operating with Class I or II leaks, continue to check fluid levels as required in your PMCS.

Class III leaks should be reported to your supervisor or to Organizational Maintenance.

- a. Class I. Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops.
- b. Class II. Leakage of fluid great enough to form drops but not enough to cause drops to drip from item being checked/inspected.
- c. Class III. Leakage of fluid great enough to form drops that fall from the item being checked/inspected.

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
1						<p>NOTE</p> <p>Perform weekly as well as before PMCS's if: You are the assigned driver but have not operated the vehicle since the last weekly PMCS; or you are operating the vehicle for the first time.</p> <p><u>MAKE THE FOLLOWING WALK-AROUND CHECKS</u></p> <p>EXTERIOR OF VEHICLE</p> <p>a. Check for obvious damage to hull, such as holes and cracks. Check for condition of doors and door seals. Check tires for cuts, lodged debris, abrasions and general condition. Check for evidence of fluid (fuel, oil or water) leakage. Make sure that there are no foreign objects caught between tractor and carrier. Remove any mud, brush or debris from underside of vehicle. Check for security and condition of equipment and tools.</p> <p>NOTE</p> <p>A before operation check of the tailgate seals and hull access covers is required if necessity for vehicle swimming or fording is anticipated.</p> <p>b. Check for presence and security of hull access covers and condition of tailgate seals which might impair swimming operations.</p>	<p>Tires have cuts, gouges or cracks which would result in tire failure. One or more tires unserviceable or missing.</p> <p>NOTE</p> <p>Unserviceable includes tires which are cut or gouged.</p> <p>Class III oil and water leakage.</p> <p>Any fuel leakage.</p> <p>Any brake fluid leakage.</p> <p>Defective tailgate seals or missing access covers.</p>

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
2	•					<p>LIGHTS, REFLECTORS, MIRRORS, AND WINDSHIELD</p> <p>a. Check for operation of lights, horns, and windshield wipers.</p> <p>b. Check mirrors for adjustment.</p>	Headlight, tail-light or horn inoperative during noncombat conditions.
3				•		<p>TIRES</p> <p>Check tires for correct air pressure.</p> <p style="text-align: right;">psi</p> <p>Highway22</p> <p>Cross-country18</p> <p>Snow12</p>	

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

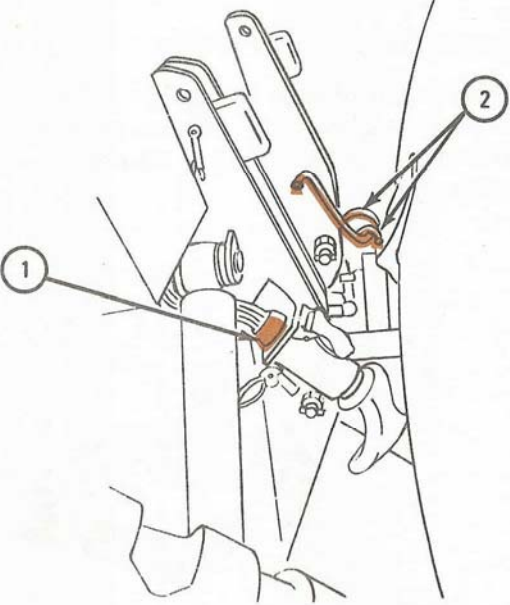
Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
4					•	<p>ARTICULATION JOINT ASSEMBLY</p> <ul style="list-style-type: none"> a. Check for loose or damaged parts. b. Check electrical connector (1) and hydraulic and air line connectors (2).  <p style="text-align: right;">TA 045658</p>	
5					•	<p>SUSPENSION ASSEMBLIES</p> <ul style="list-style-type: none"> Visually inspect springs, shock absorbers, A-frames, suspension arms, and attaching hardware for damage or leakage. 	
6					•	<p>STEERING</p> <ul style="list-style-type: none"> Visually inspect steering system and components for damage or leaks (under carriage outside outside hull). 	

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

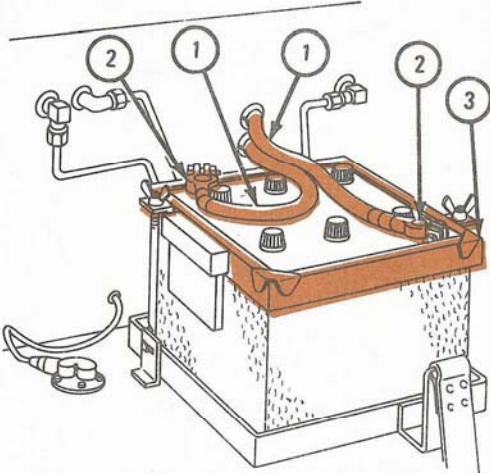
Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
7						<p>POWER TRAIN</p> <ul style="list-style-type: none"> Visually inspect transmission, transfer and differentials for damage or leaks. Look for puddles under the differentials. Inspect propeller shaft and U-joints for obvious damage. 	
8						<p>BATTERIES AND COVERS</p> <ul style="list-style-type: none"> Visually check for loose, damaged or corroded cables (1), connectors (2) and holddown brackets (3). Check electrolyte level in batteries.  <p style="text-align: right;">TA 045657</p> <p>NOTE</p> <p>Notify organizational maintenance if fluid level is low or boiling.</p>	

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
9						<p><u>MAKE THE FOLLOWING ENGINE COMPARTMENT CHECKS</u></p> <p>FUEL FILTERS, PRIMARY AND SECONDARY</p> <p>● Drain about 1/2 cup of fuel from each filter and examine drained fuel for water or contaminants.</p>	
10						<p>EXHAUST SYSTEM</p> <p>● Visually check tailpipe, exhaust manifold, and muffler for holes, evidence of leaks, and security of clamps.</p>	Any exhaust leakage.
11						<p>FUEL SUPPLY AND COOLANT LINES</p> <p>● Inspect fuel and coolant lines, hoses, and connections for evidence of leaks or damage.</p>	Any fuel leakage.

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

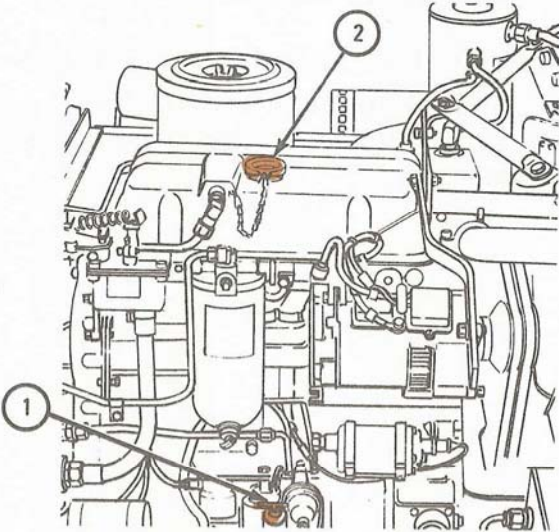
Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/ available if:
	B	D	A	W	M		
12						<p>ENGINE (OIL)</p> <p>Check oil level, safe operating level is between the add and full mark on dipstick (1). Take off filler cap (2) and add oil as necessary. Do not exceed the full mark on dipstick.</p>  <p style="text-align: right;">TA 045651</p>	

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
13						<p>COOLANT LEVEL</p> <p style="text-align: center;"><u>WARNING</u></p> <p>Use extreme care in removing coolant filler cap when temperature gage reads about 180°F. You may be burned if you are not careful.</p> <p>• Check coolant level. Level should be above radiator core and about 1/2 inch below bottom of filler neck of surge tank. Add coolant if needed.</p>	
14						<p>DRIVE BELTS</p> <p>• Inspect belts for cracks, missing pieces, fraying or glazing of belt surfaces.</p> <p><u>MAKE THE FOLLOWING IN-CAB CHECKS</u></p> <p><u>INSTRUMENTS</u></p>	
15		•				<p>Check all instruments for normal indications.</p> <p>a. Watch the oil pressure gage. If pressure doesn't come up to 12 psi within 10 seconds after starting engine, stop the engine. Normal operating range is 18-30 psi.</p> <p>b. Battery generator indicator must register in the green during engine operation.</p> <p>c. Normal operating temperature range is 160-200°F.</p>	<p>Engine oil pressure less than 18 psi or temperature in excess of 200°F.</p>

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

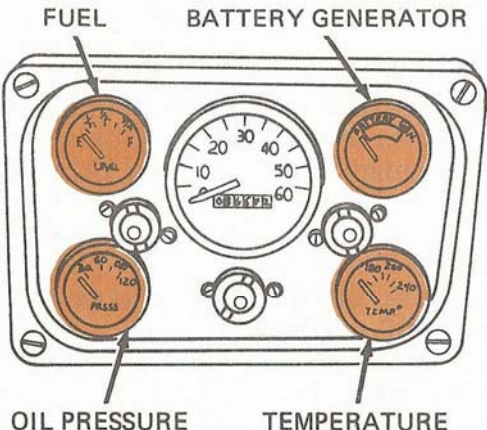
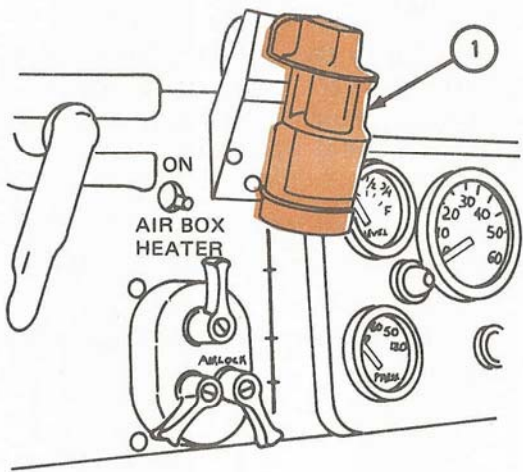
Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
15 (cont)						<p>d. Fuel indicator should read above E.</p>  <p style="text-align: center;">TA 045664</p>	
16						<p>AIR CLEANER INDICATOR</p> <p>Check air cleaner indicator (1). If red band covers one-half or more of indicator window, air cleaner filter needs cleaning.</p>  <p style="text-align: center;">TA 045665</p>	

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/ available if:
	B	D	A	W	M		
17		•				<p>BILGE PUMP</p> <p>During vehicle operation but prior to swimming, turn on bilge pump switch to check if pump operates. Don't operate the pump dry longer than 12 seconds.</p>	<p>If bilge pump is inoperative, vehicle will not be used in swimming or fording operation.</p>
18		•				<p>OPERATING CONTROLS</p> <p>Check clutch and brake pedal free play. Operate vehicle and observe operation of the clutch, steering mechanism, service brakes, parking brake, engine and power train components (transmission, transfer, differentials, propeller shafts and universal joints). Note unusual lack of power, clutch and braking action; difficulty in steering, unusual noises and vibration of drive train components; and thumping of tires.</p>	<p>Clutch inoperative, slipping or definite grab or chatter. Engine inoperative, performance inadequate or unusual noises or vibrations. Transmission or transfer inoperative. Service brakes do not operate properly.</p> <p>Any brake fluid leakage.</p>

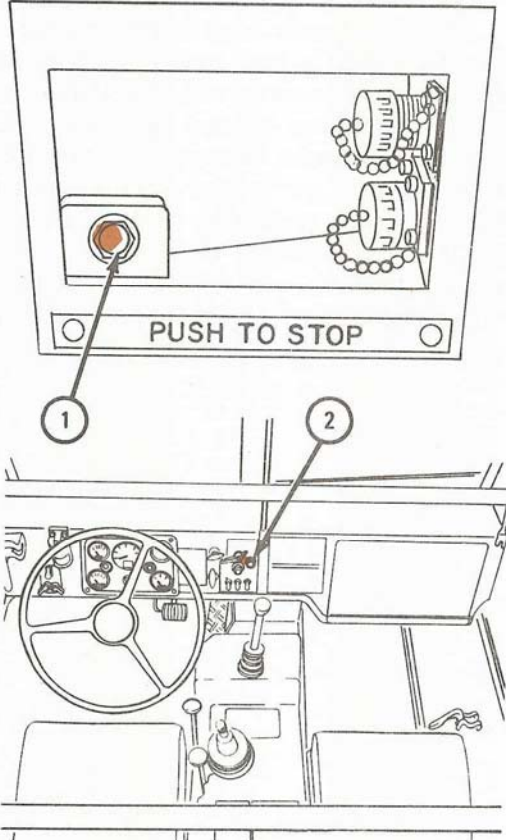
Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
19						<p>CARRIER EMERGENCY STOP SIGNAL</p> <p>NOTE</p> <p>A before operation check is required when transporting personnel in the carrier.</p> <p>Check that the carrier emergency stop signal works properly. When carrier PUSH TO STOP button (1) is pressed in, STOP-LIGHT (2) will come on.</p> 	<p>Stop signal not working. (Truck will not be used to carry personnel.)</p>

TA 045663

Table 1-1. Operator/Crew Preventive Maintenance Checks and Services - Cont

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
20				•		<p><u>MAKE THE FOLLOWING MISCELLANEOUS CHECKS</u></p> <p>TOOL BAGS</p> <p>Check to see that tool bags have everything issued. Make sure that all items for five-wheel operation are in the bags.</p>	
21	•					<p>PATIENT COMPARTMENT (M792 ONLY)</p> <p>Inspect patient compartment items: litters, litter racks, top and end curtains, electrical outlets, surgical lamp, heater and plasma dispenser bracket. Check for obvious leakage of water and fuel or exhaust fumes. Inspect cushions for serviceability and sanitary condition.</p> <p style="text-align: center;">NOTE</p> <p>If you have special purpose kits on your truck do PMCS given in table 4-1.</p>	<p>Two or more litter racks unserviceable or missing.</p> <p>Any fuel or exhaust leakage.</p>

CHAPTER 2

CHECKOUT, ALINEMENT, AND ADJUSTMENT

There are no scheduled checkout, alinement or adjustment procedures to be done at the operator's level of maintenance.

CHAPTER 3

LUBRICATION

3-1. GENERAL. Refer to Lubrication Order LO 9-2320-242-12 for lubrication of the vehicle.

3-2. SPECIAL INSTRUCTIONS. After fording or swimming operations lubricate all universal and slip joints. Steering system support and idler arm fittings. Refer to LO 9-2320-242-12.

CHAPTER 4

SCHEDULED MAINTENANCE OF MATERIAL USED IN CONJUNCTION WITH MAJOR ITEMS

4-1. GENERAL. These preventive maintenance checks and services (PMCS) cover the special purpose kits supplied as part of the vehicle. The special purpose kits include the winch kit, winterization kit (-25°), arctic kit, and arctic closure winterization kit.

4-2. PMCS PROCEDURES. Refer to chapter 1, para 1-1 for the purpose and use of the columns in the PMCS table.

Table 4-1. Operator/Crew Preventive Maintenance Checks and Services for Special Purpose Kits

NOTE: These checks are to be made in the order listed, within designated interval.

B-Before operation
D-During operation

A-After operation
W-Weekly

M-Monthly

Item No.	Interval					Item to be Inspected Procedure: Check for and have repaired, filled, or adjusted as needed	Equipment is not ready/available if:
	B	D	A	W	M		
1						<p>WINCH KIT</p> <ul style="list-style-type: none"> • a. Check for presence of shear pin and operation of winch brake. • b. Check gearbox oil level. Level should be to bottom side of plugs. • c. Check condition of cable (i.e., kinks, frays) within the first 30 ft of cable. 	
2	•					<p>WINTERIZATION KIT</p> <ul style="list-style-type: none"> • a. Check for evidence of fuel or exhaust leaks. • b. Check the canopy and doors for security and damage. 	Any fuel or exhaust leakage.

By Order of the Secretaries of the Army and the Air Force:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

J. C. PENNINGTON
Major General, United States Army
The Adjutant General

Official:

LEW ALLEN, JR., General, USAF
Chief of Staff

VAN L. CRAWFORD, JR., Colonel, USAF
Director of Administration

Distribution:

To be distributed in accordance with DA Form 12-38, Operator Maintenance requirements for Truck, Cargo, 1-1/4 Ton, M561 and Truck Ambulance, 1-1/4 Ton, M792.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)

CDR, 1st Bn, 65th ADA
Attn: SP4 Jane Idone
Key West, FL 33040

DATE SENT

6 October 1980

PUBLICATION NUMBER

TM 9-2320-242-10-2

PUBLICATION DATE

30 Sept. 80

PUBLICATION TITLE OPERATOR

SCHEDULED MAINTENANCE MANUAL

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
---------	------------	-----------	----------

1-10

1-1

1-12

1-1

1-1

1-1
a

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

Item 16 AIR CLEANER INDICATOR
Second sentence reads "If red band covers one-half or more, air cleaner filter needs cleaning." Should read "If red band covers one-half or more of indicator window, air cleaner filter needs cleaning."

Item 19 CARRIER EMERGENCY STOP SIGNAL
Change illustration callout.
Reason: PUSH TO STOP button (4) should be PUSH TO STOP button (1).

Fourth sentence reads "... see TM 38-75."
Should read "... see TM 38-750."

SAMPLE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SP4 Jane Idone Autovon 222-2224

SIGN HERE

Jane Idone

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 9-2320-242-10-2

PUBLICATION DATE

30 Sept 80

PUBLICATION TITLE

OPERATOR
SCHEDULED MAINTENANCE MANUAL

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



COMMANDER
U. S. ARMY TANK - AUTOMOTIVE
MATERIEL READINESS COMMAND
ATTN: DRSTA-MB
WARREN, MI 48090

TEAR ALONG PERFORATED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 9-2320-242-10-2

PUBLICATION DATE

30 Sept 80

PUBLICATION TITLE

OPERATOR
SCHEDULED MAINTENANCE MANUAL

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



COMMANDER
U. S. ARMY TANK - AUTOMOTIVE
MATERIEL READINESS COMMAND
ATTN: DRSTA-MB
WARREN, MI 48090

TEAR ALONG PERFORATED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 9-2320-242-10-2

PUBLICATION DATE

30 Sept 80

PUBLICATION TITLE

OPERATOR
SCHEDULED MAINTENANCE MANUAL

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314



COMMANDER
U. S. ARMY TANK - AUTOMOTIVE
MATERIEL READINESS COMMAND
ATTN: DRSTA-MB
WARREN, MI 48090

TEAR ALONG PERFORATED LINE

THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1,000 Millimeters = 39.37 Inches
 1 Kilo Meter = 1,000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1,000 Milligrams = 0.035 Ounces
 1 Kilogram = 1,000 Grams = 2.2 Lb
 1 Metric Ton = 1,000 Kilograms = 1 Megagram = 1.1 Short
 Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1,000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches
 1 Sq Meter = 10,000 Sq Centimeters = 10.76 Sq Feet
 1 Sq Kilometer = 1,000,000 Sq Meters = 0.386 Sq Miles

CUBIC MEASURE

1 Cu Centimeter = 1,000 Cu Millimeters = 0.06 Cu Inches
 1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet

TEMPERATURE

$5/9 (^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5 (C^{\circ} + 32) = F^{\circ}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds Per Square Inch	Kilopascals	6.895
Miles Per Gallon	Kilometers Per Liter	0.425
Miles Per Hour	Kilometers Per Hour	1.609
TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Millimeters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds Per Square Inch	0.145
Kilometers Per Liter	Miles Per Gallon	2.354
Kilometers Per Hour	Miles Per Hour	0.621

