1. **Purpose.** This bulletin is to alert operators, organizational, direct and general support personnel to the safety hazards involving brake hose failures on Tank-Automotive Command tactical vehicles.

2. **Procedures.** The brake systems on all tactical vehicles will be closely inspected during scheduled semiannual services. Pay extremely close attention to all flexible hydraulic brake hoses installed on the vehicle. Where the brake hose is close to the frame, check for wear, pinching, or interference. If any of these are found, the hose must be carefully inspected for serviceability and replaced and repositioned to prevent failure. When inspection shows that hose is worn, chafed, cracked, crimped or abraded which has resulted in damage to hose through outer casing to the first ply of fabric, it is mandatory that hose assembly be replaced prior to use of the vehicle. If there is any evidence of hose leakage, the hose must be replaced prior to use of the vehicle. Also, if there is evidence of internal hose damage such as bulges, hose must be replaced prior to placing vehicle in service.

3. **Preventive Maintenance Checks and Services (PMCS).** PMCS tables of the affected TM's are being changed to include the above inspections.

4. **Reporting of Equipment Publication Improvement.** The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000.

Approved for public release; distribution is unlimited.

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

WILLIAM J. MEEHAN II
Brigadier General, United States Army
The Adjutant General

Distribution:
To be distributed in accordance with DA Form 12-34C, Unit, Direct Support and General Support Maintenance Requirements for Tactical Vehicles.

*This bulletin supersedes TB 9-2300-405-14, 21 July 1978.
RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH PUBLICATION

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

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER  PUBLICATION DATE  PUBLICATION TITLE

BE EXACT  PIN-POINT WHERE IT IS

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

PAGE NO. PARA. GRAPH FIGURE NO. TABLE NO.

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.
The Metric System and Equivalents

**Linear Measure**

1 centimeter = 10 millimeters = .39 inch
1 decimeter = 10 centimeters = 3.94 inches
1 meter = 10 decimeters = 39.37 inches
1 dekameter = 10 meters = 32.8 feet
1 hectometer = 10 dekameters = 328.08 feet
1 kilometer = 10 hectometers = 3,280.8 feet

**Weights**

1 centigram = 10 milligrams = .15 grain
1 decigram = 10 centigrams = 1.54 grains
1 gram = 10 decigrams = .035 ounce
1 dekagram = 10 grams = .35 ounce
1 hectogram = 10 dekagrams = 3.52 ounces
1 kilogram = 10 hectograms = 2.2 pounds
1 quintal = 100 kilograms = 220.46 pounds
1 metric ton = 10 quintals = 1.1 short tons

**Liquid Measure**

1 centiliter = 10 milliliters = .34 fl. ounce
1 deciliter = 10 centiliters = 3.38 fl. ounces
1 liter = 10 deciliters = 33.81 fl. ounces
1 dekaliter = 10 liters = 2.64 gallons
1 hektoliter = 10 dekaliters = 26.42 gallons
1 kiloliter = 10 hektoliters = 264.18 gallons

**Square Measure**

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
1 sq. decameter (are) = 100 sq. meters = 1,076.4 sq. feet
1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

**Cubic Measure**

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

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Temperature (Exact)

°F Fahrenheit temperature 5/9 (after subtracting 32) Celsius temperature °C