

**COMBAT VEHICLE
PRE-COMBAT CHECKLIST FOR:
TANK, COMBAT, FULL TRACKED, 105 MM
GUN, M1, 1PM1, GENERAL ABRAMS
(2350-01-061-2445)
(2350-01-136-8738)**

WARNING

**THIS CHECKLIST IS TO BE USED ONLY WHEN AUTHORIZED BY THE COMMANDER.
IT IS NOT INTENDED TO BE USED IN PLACE OF THE PMCS.**

NOTE

**THIS CHECKLIST CONTAINS CHECKS TO BE PERFORMED BEFORE COMBAT TO
ASSURE VEHICLE IS MISSION CAPABLE. THE CHECKLIST SEQUENCE NUMBERS
HEREIN CORRESPOND TO THOSE PMCS CHECKS IN TM9-2350-255-10-1. REPORT
CHECK RESULTS TO YOUR IMMEDIATE LEADER.**

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By Order of the secretary of the Army

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Special Distribution:

**To be distributed in accordance with DA Form 12-37-R, Block 1088, four per account,
Operator Maintenance Requirements for Tank, Combat, Full-Tracked, 105 MM, M1 Abrams.**

DEPARTMENT OF THE ARMY

7 March 1991

TABLE 2-1

1. **VEHICLE EXTERIOR:** Walk Around And Check For Fluid Leaks, Obvious Damage, Tampering And Missing Parts.
- 4 & 9. **FIRE EXTINGUISHER SYSTEM:** Check Bottle Pressure
- 14 & 18. **ENGINE/INSTRUMENTS:** Start Engine. Check instruments.

******NOTE: TURN TIS TO STANDBY MODE******

29. **COMMUNICATION SYSTEM:** Radio And Intercom Operational.

TABLE 2-2

- 7,8 & 10. **MACHINE GUNS:** Mounted and Operational.
- 27 & 44. **TURRET AMMUNITION STOWAGE:** Compartment Doors Operational
- 21 & 22. **COMMANDER/GUNNER POWER CONTROL HANDLES:**
 - A. Gun Elevation/Turret Traverse
 - B. Aux Hyd Gauge Reads 1150-1700.
 - c. Electrical Triggers And Blasting Device Operational.
25. **FIRE CONTROL SYSTEM:**
 - A. TIS Check Out.
 - B. Computer Self-Test.
 - C. Computer Data Check.
 - D. GPS Function Check.

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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 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 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. dekameter (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

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

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