

OPERATOR'S, UNIT, AND INTERMEDIATE

DIRECT SUPPORT

MAINTENANCE MANUAL

COMPRESSOR UNIT,

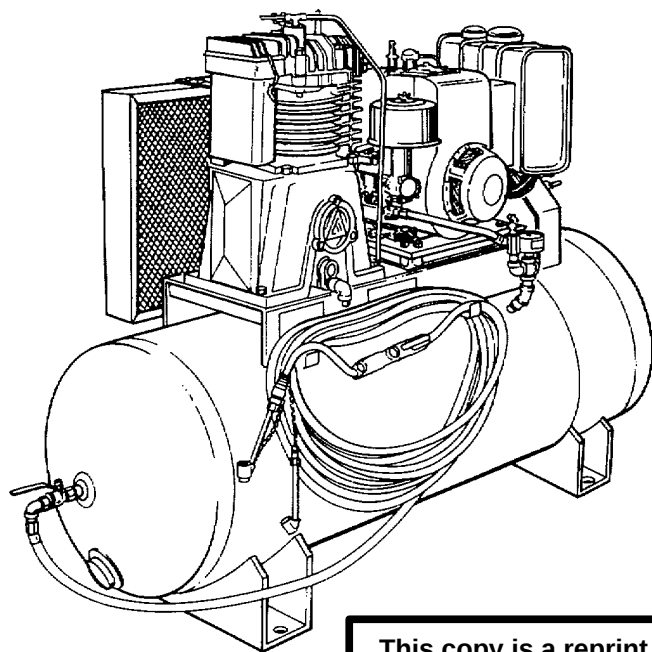
RECIPROCATING

15 CFM, 175 PSI, GASOLINE

ENGINE DRIVEN

MODEL 10GT8G

(NSN 4310-01-247-2584)



This copy is a reprint which includes current pages from Change 1.

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HEADQUARTERS, DEPARTMENT OF THE ARMY

9 MAY 1988

TECHNICAL MANUAL

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 9 May 1988

OPERATOR'S, UNIT, AND INTERMEDIATE DIRECT SUPPORT
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FOR
COMPRESSOR UNIT, RECIPROCATING,
15 CFM, 175 PSI, GASOLINE ENGINE DRIVEN
MODEL 10GT8G
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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, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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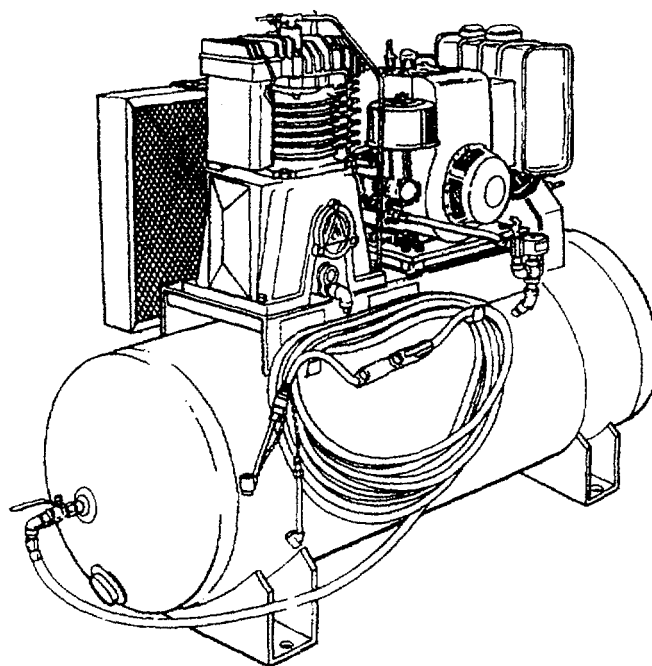
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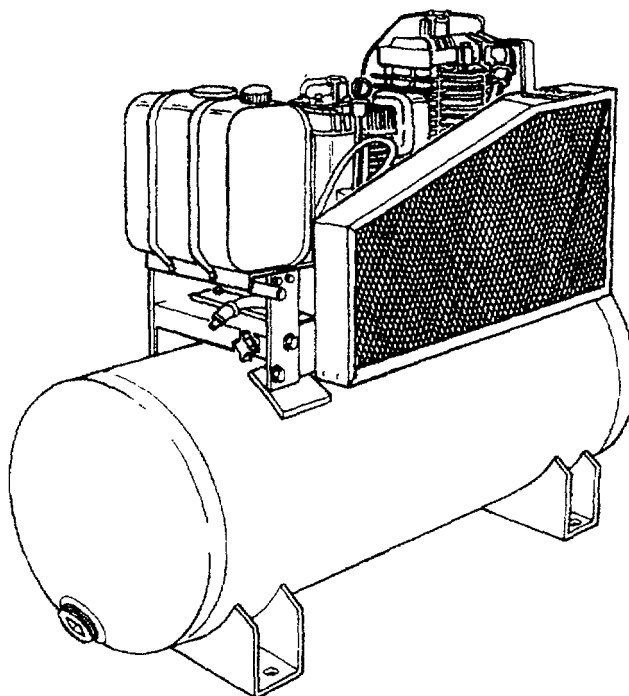
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THREE-QUARTER FRONT VIEW



THREE-QUARTER REAR VIEW

Figure 1-1. Air Compressor Unit.

CHAPTER 1 INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE. This manual contains operator, unit, and intermediate direct support maintenance instructions for the Air Compressor Unit, Model 10GT8G. The air compressor unit is of reciprocating design, gasoline engine driven and tank mounted. Refer to figure 1-1 for identifying views. Output capacity of the unit is 15 cubic feet per minute (cfm) at 175 pounds per square inch (psi) (0.425 cubic meters per minute (m³/min) at 12.3 kilograms per square centimeter (kgs/cm²). The air compressor unit is intended for use as a source of compressed air in the normal operations conducted at filling stations and vehicle maintenance shops.

1-2. MAINTENANCE FORMS AND RECORDS. 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. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's). If your air compressor unit 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 or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at: Commander, US Army Troop Support Command, ATTN: AMSTR-QX, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We'll send you a reply.

1-4. WARRANTY INFORMATION. The air compressor unit, Model 10GT8G, is warranted by Curtis-Toledo, Incorporated for 12 months. It starts on the date, found in block 23, DA Form 2408-9, in the logbook. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your unit maintenance shop.

1-5. NOMENCLATURE CROSS-REFERENCE LIST. The listing below includes nomenclature cross-reference used throughout this manual.

<u>Common Name</u>	<u>Official Nomenclature</u>
Air compressor unit	Compressor Unit, Reciprocating, 15 CFM (0.425 m ³ /min), 175 PSI (12.3 kgs/cm ²), Gasoline Engine Driven
Engine	Engine, Gasoline, 10 HP