

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE

CLEANING MACHINE
FUEL CAN AND DRUM
(BARNES MODELS 4310CA
AND 15801CA)

This reprint includes all changes in effect at the time of publication; change 1

HEADQUARTERS, DEPARTMENT OF THE ARMY
JANUARY 1960

TECHNICAL MANUAL

WASHINGTON 25, D. C., 27 January 1960

No. 10-4940-201-20

HEADQUARTERS,
DEPARTMENT OF THE ARMY

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(BARNES MODELS 4310CA AND 15801CA)**

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*This manual supersedes section III of TM 10-4940-201-20P, 13 August 1959, and applicable portions of TM 10-1140, 24 June 1952.

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1. Scope

This manual is published for the use of personnel responsible for organization maintenance (second echelon) of the Cleaning Machine, Fuel Can and Drum (Barnes Models 4310CA and 15801CA). The repair parts and special tools list is published as TM 10-4940-201-20P.

2. Appendixes

Appendix I contains a list of current references. Appendix II, maintenance allocation chart, lists maintenance repair responsibilities by echelons.

3. Maintenance Forms and Records

Responsibility for proper execution of record and report forms rests with the commanding officer of the unit maintaining the cleaning machine. Blank forms that may be used in the preparation of records, reports, and requisitions pertaining to the cleaning machine are as follows:

- a. DA Form 10-103 (Worksheet for Special Purpose Vehicles and Equipment Preventive Maintenance Services and Inspections).
- b. DA Form 285 (Accident. (Report of Individual Accident)).
- c. DA Form 460 (Preventive Maintenance Roster).
- d. DA Form 468 (Unsatisfactory Equipment Report). (AR 700-38).
- e. DA Form 478 (Organizational Equipment File).
- f. DA Form 811 (Work Request and Job Order).
- g. DA Form 953 (Summary of Accident Experience). (AR 385-40).
- h. DA Form 1546 (Request for Issue or Turn-In). (AR 711-16).
- i. DD Form 6 (Report of Damaged or Improper Shipment). (AR 700-58).
- j. DD Form 1149 (Requisition and Invoice Shipping Document). (AR 725-5).

Section II. DESCRIPTION AND DATA

4. Description

Description of the cleaning machine appears in TM 10-4940-201-10.

5. Tabulated Data

a. Cubage.

b. Dimensions.

Basket-type strainer:

Cleaner assembly (2).....235 cubic feet

Large:

Height 4 1/2 inches

Length..... 34 inches

Width 11 inches

Small:

Height 4Y inches

Length..... 21 inches

Width 11 inches

Cradle spring:

Length..... 10 1/4 inches

Outside diameter..... 4 1/2 inches

Hose compartment:

Height 10 1/2 inches

Length.....16 inches

Width8 inches

Cleaner assembly:

Crated (2):

Height 7 feet 4 inches

Length..... 8 feet 8 inches

Width 3 feet 9 inches

Uncrated (1), without cradle:

Height 36 inches

Length..... 7 feet 10 inches

Width 37 inches

Stem packing, graphite 1 1/2 inches

Supply-line manifold, length..... 72 inches

Thrust bearing, inside diameter..... 3/4 inch

c. Sizes of Pipe Plugs.

Sedimentation tank:

Drain..... 1 1/2 inches

Eductor body..... 1 inch

Supply-line manifold 1 1/2 inches

Venturi cleanout..... 3/8 inch