TM 5-3820-241-34

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

DRILL, PNEUMATIC DRIFTER; BOOM-TYPE, CRAWLER MOUNTED, SELF-PROPELLED, (JOY MODEL RAM-MS-5/450A DR)

NSN 3820-00-445-3766

HEADQUARTERS, DEPARTMENT OF THE ARMY

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***This manual supersedes TM 5-3820-241-34, 29 September 1971, indudiag all changes.**

LIST OF ILLUSTRATIONS

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual contains instructions for direct and general support maintenance personnel maintaining the pneumatic rock drill as allocated by the Maintenance Allocation Chart. It provides information on the maintenance of the equipment which is beyond the scope of tools, equipment, personnel, or supplies normally available to the operator and organizational levels.

1-2. Maintenance-Forms and Records

Maintenance forms and records you are required to use are explained in TM 38-750 (The Army Maintenance Management System (TAMMS)).

1-3. Recommendation for Maintenance Publications Improvements

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) and mailing the form direct to Commander, US Army Tank-Automotive Command, ATTN: AMSTA-MSP(NMP), Warren, MI 48090. A reply will be furnished direct to you.

1-4. Equipment Serviceability Criteria

This equipment is not covered by an equipment serviceability criteria.

1-5. Destruction of Army Material to Prevent Enemy Use

Refer to TM 5-244-3 (Procedures for Destruction of Equipment to Prevent Enemy use) for information and instructions on destruction of equipment to prevent enemy use.

Section II. DESCRIPTION AND DATA

1-6. Description

A general description of the pneumatic rock drill and information pertaining to the identification plates are contained in TM 5-3820-241-12. A more detailed description of specific components and assemblies is contained in the applicable sections of this manual.

1-7. Tabulated Data

a. General. This paragraph contains maintenance data pertinent to direct support and general support maintenance personnel.

b. Tabulated Data. Refer to TM 5-3820-241-12 for tabulated data applicable to the pneumatic rock drill.

c. Nut and Bolt Torque Data. Table 1-1 lists the specific nut and bolt torque data.

Table 1-1. Nut and Bolt Torque Data

Item	*Size*	*Torque Ft-lb*
Transmission cover	1/2-13	45-50
Transmission to frame	1/2-13	45-50
Transmission to brake housing and air motor	1/2-13	45-50
Brake cylinder to brake housing	3/8-16	28-83
Brake cover	3/8-16	18-21
Clutch housing to transmission	3/8-16	18-21
Drive sprocket to transmission (wheel nuts)	5/8-18	300-320
Pillow block to side frame	5/8-11	75-85
Pillow block to side frame	3/4-10	125-135
Equalizer bar to equalizer arm	5/8-11	125-135
Equalizer arm to side frame	1-8	140-150
Idler shaft nut	7/8-14	105-115
Holler shaft to side frame (U-bolt)	I/2-13	68-73
Tilt and swing gibs	5/8-11	75-85
Trunnion to saddle	1-1/4-12	300-400
Tilt cylinder to pivot cap	7/8-9	105-115
Front sprocket bushing	1/2-13	45-50