

# TM 9-1827A

WAR DEPARTMENT TECHNICAL MANUAL

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*ORDNANCE MAINTENANCE*

## Power Brake Systems (Bendix-Westinghouse)

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*WAR DEPARTMENT*

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*21 DECEMBER 1943*

**FOR ORDNANCE PERSONNEL ONLY**



*WAR DEPARTMENT TECHNICAL MANUAL*  
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TM 9-1827A, Ordnance Maintenance, Power Brake Systems (Bendix-Westinghouse), is published for the information and guidance of all concerned.

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*The Adjutant General.*

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(For explanation of symbols, see FM 21-6.)

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## CHAPTER 1

### INTRODUCTION

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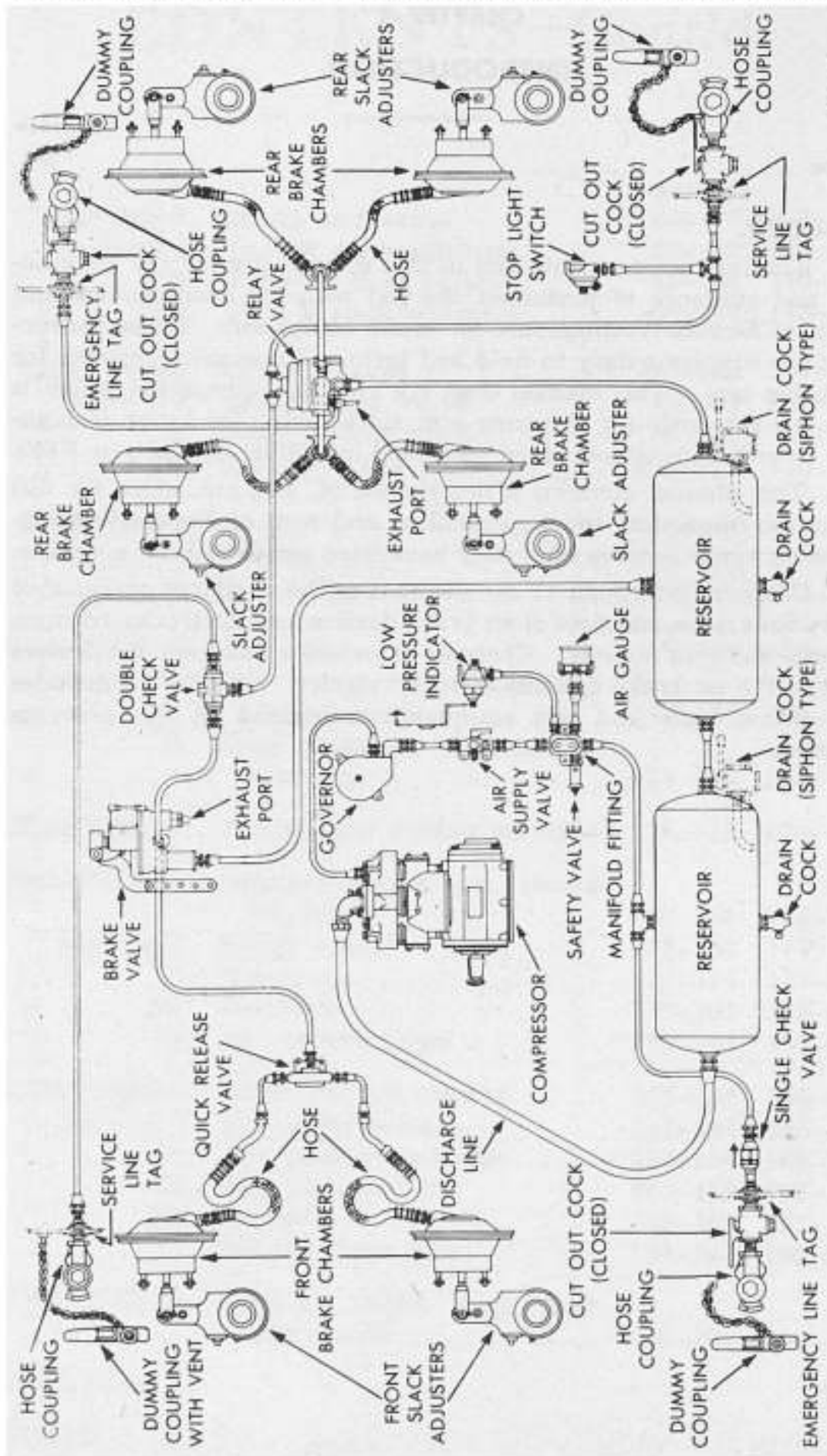
#### 1. SCOPE.

a. The instructions contained in this manual are for the information and guidance of personnel charged with the maintenance and repair of Bendix-Westinghouse air brake equipment. These instructions are supplementary to field and technical manuals prepared for the using arm. This manual does not contain information which is intended primarily for the using arm, since such information is available to ordnance maintenance personnel in 100-series TM's or FM's.

b. This manual contains a description of, and procedure for disassembly, inspection, repair, assembly, and test, of Bendix-Westinghouse air brake devices after they have been removed from a vehicle.

c. Chapters 2 through 12 are devoted to the complete overhaul of the various types and sizes of air brake devices used on trucks, tractors, trailers, and gun mounts. Chapter 13 includes auxiliary air devices used in the air brake systems of such vehicles. Chapter 14 includes the special tools and test equipment mentioned in the previous chapters.

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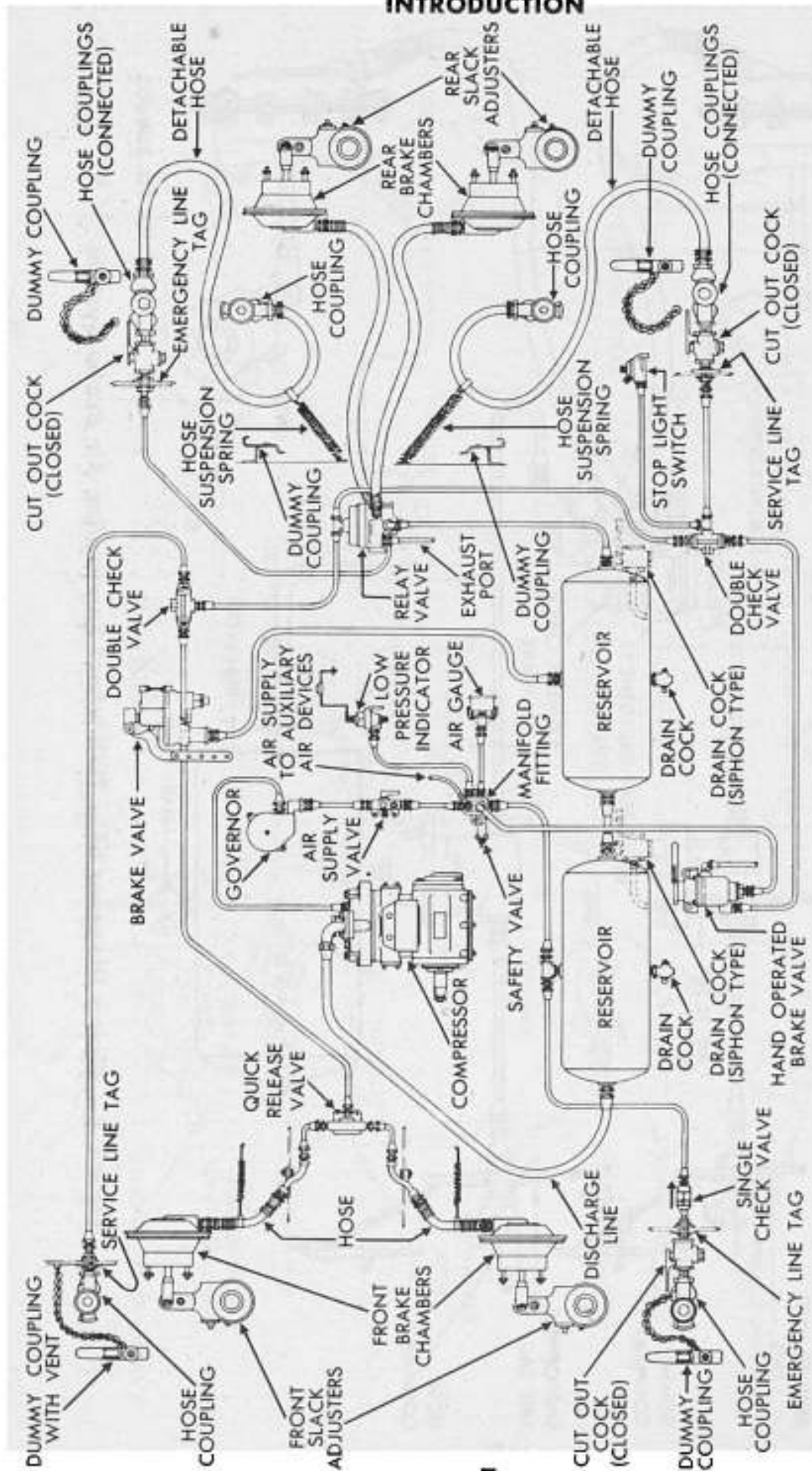


RA PD 308600

Figure 1 — Piping Diagram of a Six-wheel Truck Air Brake System



INTRODUCTION



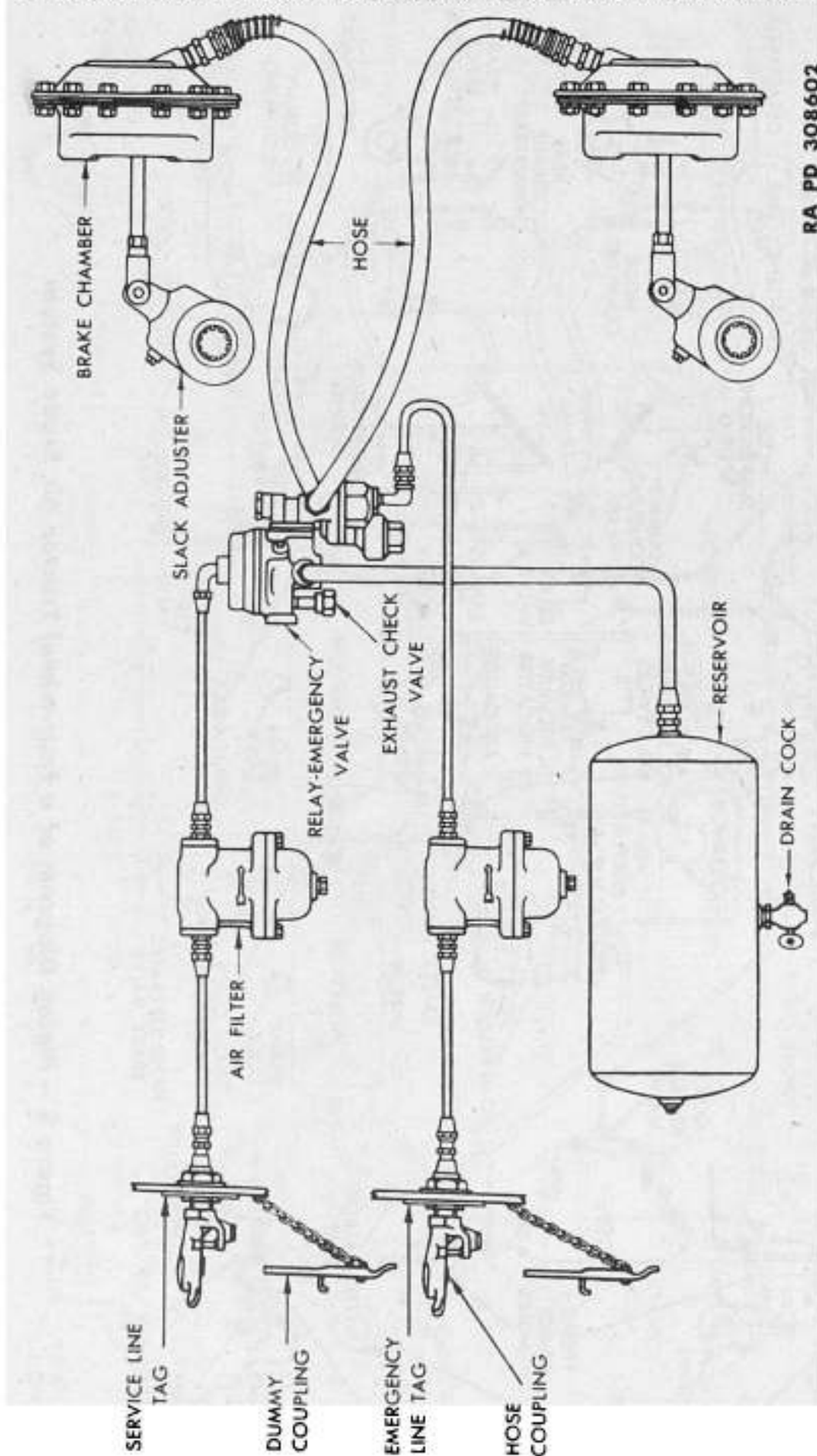
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Figure 2 — Piping Diagram of a Four-wheel Tractor Air Brake System

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Figure 3 — Piping Diagram of a Two-wheel Semitrailer Air Brake System