

W. S. Willford

WAR DEPARTMENT

TECHNICAL MANUAL

ORDNANCE MAINTENANCE

POWER TRAIN FOR LIGHT TANKS

M3 AND M3A1

APRIL 8, 1942

Ord. Officer	<i>[Signature]</i>
Asst. Ord. Officer	<i>[Signature]</i>
Maint. Officer
Prop. Officer
Shop Officer

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 WASHINGTON, April 8, 1942.

ORDNANCE MAINTENANCE
POWER TRAIN FOR LIGHT TANKS M3 AND M3A1

Prepared under the direction of the
 Chief of Ordnance

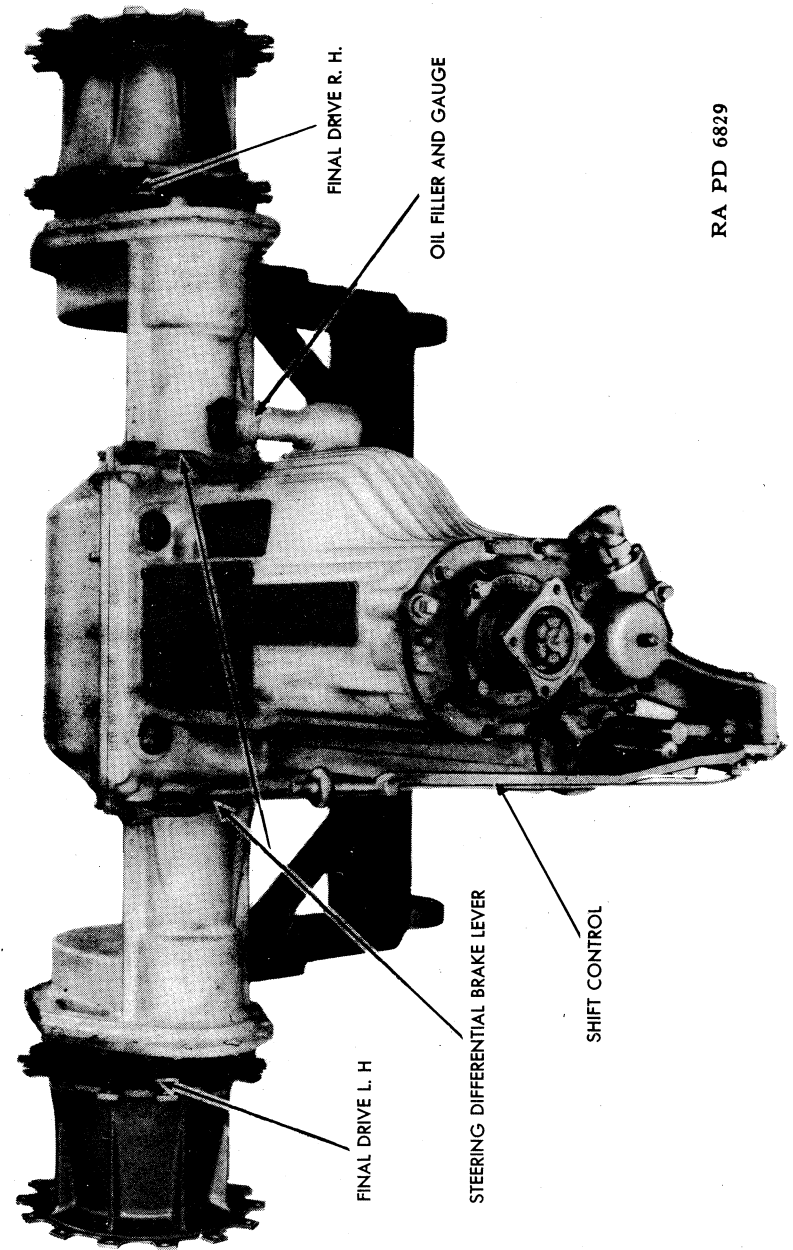
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SECTION I
INTRODUCTION

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1. **Scope.**—This manual is published to provide information and guidance for ordnance personnel. It contains detailed instructions for disassembly, inspection, assembly, maintenance, and repair of the transmission and final drives used at present in the light tank M3. The information and instruction in this manual is supplementary to that to be found in the Field and Technical Manuals prepared for the personnel of the using arms.

2. **Illustrative material.**—Illustrations of specific operations are included to support and clarify the descriptive matter in the text. Exploded views of sub-assemblies are shown in the sections devoted to the inspection and repair of the different components. This is done to show graphically the correct relation of related parts and to aid in identification. The line drawings in Section VIII are provided in order that the special tools, which are not available, may be made up by the ordnance personnel.



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FIGURE 1—Power train—rear view.

