

TECHNICAL MANUAL

VOLUME 1 OF 2

TROUBLESHOOTING

DIRECT SUPPORT AND GENERAL SUPPORT LEVEL

ENGINE ASSEMBLY

NSN 2815-00-050-8681

DETROIT DIESEL MODEL GM3-53

NOTE
THE STYLE OF THIS TM
IS EXPERIMENTAL. IT IS BEING TRIED
BY THE ARMY ONLY ON
A LIMITED BASIS

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DEPARTMENTS OF THE ARMY AND THE AIR FORCE

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AND
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REPORTING OF 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 procedure, 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 direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, Michigan 48090. A reply will be furnished to you.

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* This manual together with TM 9-2815-214-34-2, 17 December 1980, supersedes TM 9-2815-214-34, 2 March 1970.

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CHAPTER 1

GENERAL INFORMATION

1-1. SCOPE. This volume shows you how to do troubleshooting at the direct support and general support level of maintenance. The amount of troubleshooting you can do is based on what the Maintenance Allocation Chart says you can fix. Because of this, the only trouble symptoms you will find here are those that could be caused by faulty things you can fix.

1-2. ORGANIZATION. When you find that something is wrong, write down what is wrong. Then check the fault symptom index to see if the trouble (fault symptom) you noted is in the index. If it is, you can do troubleshooting to find the fault and fix it.

1-3. TROUBLESHOOTING APPROACH. In order to find out what is causing the problem in the engine, you must use a good approach. A good approach just means a way of doing troubleshooting so you can find the problem and not get confused or lost. The following chapter describes how you can use the materials in this volume to troubleshoot with a good approach.