

Starter Armature Remanufacturing Procedures

TABLE OF CONTENTS

1.	Scope	1
2.	References	2
2.1	Related Publications.....	2
3.	Definitions.....	2
4.	Remanufacturing Procedure.....	2
5.	Categories of Armature Repairs	2
6.	Armature Remanufacturing Procedures	3
7.	Rewind	4
8.	Marking.....	4

1. **Scope**—These remanufacturing procedures are recommended guidelines for use by remanufacturers of starter armatures to promote consistent reliability, durability, and safety of remanufactured starters. Installation of remanufactured or rebuilt products is often an economical way to repair a vehicle even though the products may not be identical to original equipment parts. Before processing any part, a remanufacturer should determine if the original design and present condition of the core is suitable for remanufacturing so as to provide durable operation of the part as well as acceptable performance when installed on the vehicle. The remanufacturer should also consider the safety aspects of the product and any recommendations of the original manufacturers related to remanufacturing or rebuilding their product.

While these procedures are meant to be universal in application, various product types have unique features of dimension and design which may require special remanufacturing processes and tests that are either not covered by or are exceptions to these procedures.

- 1.1 **Rationale**—The Service Development Technical Committee requests that this document be re-classified as “Noncurrent”. The reason for the change of designation is that we no longer have any members with expertise to maintain the document.

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2. References

2.1 Related Publications—The following publications are provided for information purposes only and are not a required part of this document.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J2073—Automotive Starter Remanufacturing Procedures
SAE J2237—Heavy-Duty Starter Remanufacturing Procedures

2.1.2 FEDERAL TRADE COMMISSION REGULATION—Available from Federal Trade Commission, FTC Building, 6th Street and Pennsylvania Avenue, NW, Washington, DC 20580.

Federal Trade Commission Regulation: 16CFR20- 2/27/79 Para 39.051 "Rebuilt, Recon....."

3. Definitions—Drawings shown in this SAE Recommended Practice are intended for illustration only and not meant to depict any specific unit manufacturer.

4. Remanufacturing Procedure

4.1 This document provides a standard procedure for remanufacturing starter armatures similar to the armature shown in Figure 1.

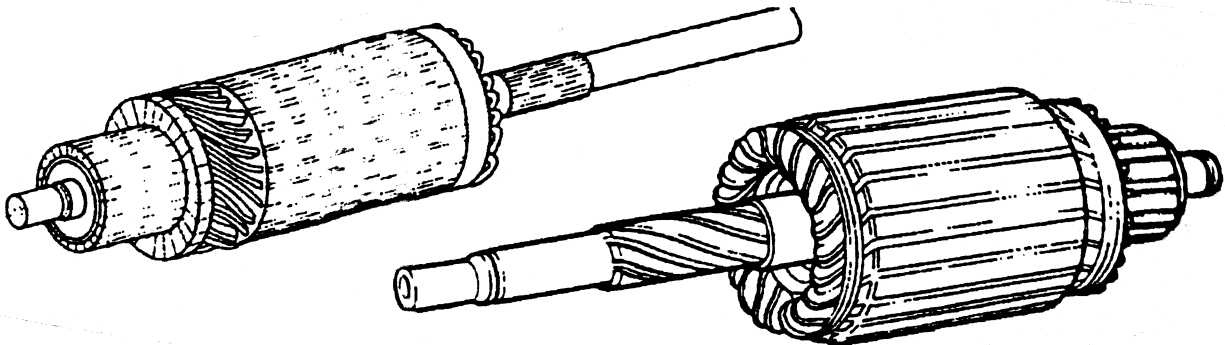


FIGURE 1—STARTER ARMATURE ASSEMBLY

4.2 The selection of replacement parts used in the remanufacturing process is critical to the quality, durability, and reliability of the end product. All replacement parts should be carefully evaluated prior to use. Armature cores should be sorted as to repairs that need to be made.

5. Categories of Armature Repairs

5.1 Defective connection at commutator.

5.2 Damaged conductors, good shaft, lamination, and commutator.

5.3 Defective shaft, good commutator, lamination, and conductor.

5.4 Defective lamination.