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Road vehicles — Durability test method for starter motor for stop and start system

Véhicules routiers — Méthodes de test d'endurance pour les démarreur stop and start system

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Foreword

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 32, *Electrical and electronic components and general system aspects*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Stop and start systems contribute to fuel saving by stopping the engine when its operation is not needed, and to start the engine automatically when its operation is needed. The more frequent starting of the engine requires higher durability of the starter motor. Since there is no standard to evaluate the durability of starter motors for stop and start systems, individual specifications are used by engine and/or vehicle manufacturers and starter motor manufacturers. Because the stop and start systems require much more frequent starter motor operations, the testing period is much longer compared to conventional starter motors.

In addition to engine and/or vehicle manufacturers and starter motor manufacturers, testing companies also began to conduct tests. In order to carry out the time-consuming test accurately and to use the test results effectively, the test procedure in this document includes how to summarize the test results.