

EDS

Engineering,
GM DAEWOO Auto & Technology
Standards

FRONT STRUT ASSEMBLY VERTICAL LOADING DURABILITY

EDS-T-2539

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1. PURPOSE AND SCOPE

This standard is applied for the purpose of examining a strut assembly for development by way of performing a lab durability test on the strut assembly using road load data at the stage of development.

2. TEST ITEMS

2.1. Objects to be tested

To approve durability through vertical loading

- Strut mount assembly
- Spring
- Hollow bumper

2.2. Preparations for Test

Strut Assembly (Damper, Spring, Upper Spring Seat, Spring, Upper Insulating Ring, Upper Strut Mount, Thrust Bearing, Lower Insulating Ring, Hollow Bumper etc.)



Fig 1. Strut System Test Rig

3. TEST EQUIPMENTS

3.1. Jig Part

It shall be designed to reproduce the on-road condition by applying on-road vertical displacement which is