

S&R Turnkey Solutions

GMW14011 and GMW 7293TP



Test Procedure Noise and Vibration

GMW14011

Objective Subsystem/Component Squeak and Rattle Test

GM has worldwide test procedures GMW14011 and GMW 7293TP for performing Objective Subsystem/Component Squeak and Rattle Tests. The purpose of these procedures is to provide instructions for subjecting the subsystem or component to vibration profiles comparable to in-vehicle vibration and objectively measuring the Squeak and Rattle performance.

GM explicitly recommends MB Dynamics' Energizer Series Shakers, Multi-directional Universal Test Fixtures and horizontal moving tables in these worldwide Test Procedures. MB delivered more than 100 turnkey squeak and rattle (S&R) solutions that meet GM's Background N10 Loudness level of 1.5 sones and that fully conform to GM Standards. MB provides engineering services, test process development, and training to fulfill such demanding S&R requirements.

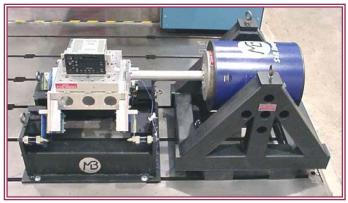
3.2.1 Shaker A quiet shaker...

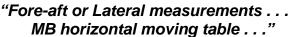
Recommended: MB Dynamics Energizer Series . . . "









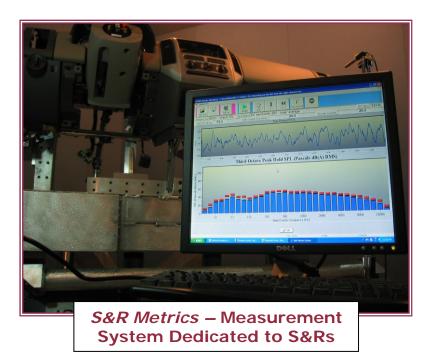




"3.2.2 Fixture Recommended: MB Dynamics Universal Test Fixture"



"3.2.5 Sound Recorder and Analyzer . . . demonstrate correlation . . . "



"3.2.3 Random Controller swept sine . . . Time Replication . . . shock . . . Sine-on-Random"





