

**Verification of the Influence of Elastically Supported Mass of Underfloor Equipment  
on the Reduction of Elastic Vibration of Carbody**

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We have developed the high-damping elastic support of underfloor equipment as one method for reducing the elastic vibration of carbody. In this report, first, we conduct a running test on a commercial line to verify the effectiveness of the high-damping elastic support of mass. Secondly, we conduct an excitation test in the rolling stock testing plant to verify the effect of the elastically supported mass on the reduction of the elastic vibration of carbody. As a result of the excitation test, we confirm that the larger the elastically supported mass is, the larger the effect of improving the riding comfort is.