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Noise detection at car door module with acoustic camera

Abstract

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Brose is a worldwide system supplier of the international automotive industry, and has a marked leader position through product specialization. The product portfolio includes Window regulator, door systems closure systems / power closure systems and seat systems (electrical).

All products have to be of a high quality acoustic performance, brose make allowance to acoustics with a great acoustic department. The complex mechanics and dynamic performance of the products give acoustic sound source location a very important tool for analysing squeak & rattle noises.

Investigations on brose products with acoustic camera show very impressive results, with a new view of the acoustic behaviour and the potential for optimisation. Detecting noise sources in durability tests, make the camera an ideal tool, because localisation of the noise source eliminates trial and error troubleshooting.

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