

1. Record Nr.	UNINA9910826598203321
Autore	Pang Jian <1963->
Titolo	Noise and vibration control of automotive body // Jian Pang
Pubbl/distr/stampa	Hoboken, NJ : , : Wiley, , 2019
ISBN	1-119-51552-1 1-119-51550-5 1-119-51551-3
Edizione	[1st edition]
Descrizione fisica	1 online resource (531 pages)
Disciplina	629.2/31
Soggetti	Automobiles - Noise Automobiles - Vibration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	A comprehensive and versatile treatment of an important and complex topic in vehicle design Written by an expert in the field with over 30 years of NVH experience, Noise and Vibration Control of Automotive Body offers nine informative chapters on all of the core knowledge required for noise, vibration, and harshness engineers to do their job properly. It starts with an introduction to noise and vibration problems; transfer of structural-borne noise and airborne noise to interior body; key techniques for body noise and vibration control; and noise and vibration control during vehicle development. The book then goes on to cover all the noise and vibration issues relating to the automotive body, including: overall body structure; local body structure; sound package; excitations exerted on the body and transfer functions; wind noise; body sound quality; body squeak and rattle; and the vehicle development process for an automotive body. Vehicle noise and vibration is one of the most important attributes for modern vehicles, and it is extremely important to understand and solve NVH problems. Noise and Vibration Control of Automotive Body offers comprehensive coverage of automotive body noise and vibration analysis and control, making it an excellent guide for body design engineers and testing engineers. Covers all the noise and vibration issues relating to the

automotive body Features a thorough set of tables, illustrations, photographs, and examples Introduces automotive body structure and noise and vibration problems Pulls together the diverse topics of body structure, sound package, sound quality, squeak and rattle, and target setting Noise and Vibration Control of Automotive Body is a valuable reference for engineers, designers, researchers, and graduate students in the fields of automotive body design and NVH.
