



Runner up : Module

Faurecia

faurecia **Resonance Free Pipe**

Tailpipe resonators break standing sound waves to reduce unwanted resonance frequencies. Faurecia's Resonance Free Pipe™ (RFP™) eliminates these waves without resonators by venting acoustic pressure at optimum points along the pipe through a micro-perforated material. The minute venting of the pressure wave damps the resonance and enables a simpler system design that provides 3 to 5kg of weight-savings in a more compact package. RFP™ can be used in vehicles with long tailpipes as the final element of the exhaust system.

Category:
Module

Application:
2019 GMC Sierra
2019 Chevrolet Silverado

Weight Savings:
15%
Weight reduction

Methodology:
Design Optimization