



FIAT CHRYSLER AUTOMOBILES

Fiat Chrysler Automobiles 2017 Chrysler Pacifica

Developed from the ground up on an all-new platform, the 2017 Chrysler Pacifica is 113 kg lighter than its predecessor, and provides customers improved safety, NVH performance, interior comfort, space and features. The body system, which shed 76 kg, was optimized around a high strength steel philosophy for high volume production, using high amounts of dual phase, TRIP and hot stamped material grades for improved impact protection at reduced weight. Aluminum and cast magnesium were used for the rear sliding door, liftgate and the instrument panel beam, while the front end module is a steel-plastic overmold to improve part integration and stiffness.

Category:
Full Vehicle

Application:
2017 Chrysler Pacifica

Weight Savings:
113 kg
lighter than the
previous model

Methodology:
**Design Optimization &
Material Substitution**

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