



Wanfeng Meridian FCA

2017 Chrysler Pacifica Magnesium Liftgate Inner



Weight reduction and part consolidation by lightweighting, Wanfeng Meridian reduced seven steel stampings and two plastic pieces by replacing with one magnesium alloy die-casting on the 2017 Chrysler Pacifica liftgate. Die-cast magnesium inner provides sufficient structure and stiffness to allow for replacement of steel outer panels with lightweight aluminum sheet.

Category:

Module

Application:

2017 Chrysler Pacifica

Weight Savings:

40% savings compared to traditional methodology

Methodology:

Structural Optimization