

NOMINEE



## Honda R&D Americas, Inc. All-New 2014 Acura MDX Chassis System

All new chassis for 3-row unibody CUV. The chassis consists of suspension, wheels, tires, axles, hubs, bearings, propeller shaft, brake systems, engine mounts, engine cradle and rear subframe, steering system, mechanical controls, fuel, and exhaust systems.



- Chassis weight reduced 65kg (~12%) from baseline model, while improving performance in key areas such as NVH refinement and 3rd row utility
- Newer lightweight materials were applied in select areas where cost vs. weight merit was good
- Thorough optimization of all components, including effects of vehicle mass-decoupling, to further reduce weight
- Re-packaging and integration of components to minimize the need for redundant structural elements



Presented in collaboration with:

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