

Power Running Board Transmission

Automotive Products

Challenge:

- Customer wanted new articulation geometry for a next generation of power deploying running boards

Results:

- Iterated several concepts
- Worked with customer to define packaging and motor & transmission parameters
- Engineered housings, gearing, bearings and motor integration
- Completed tolerance analyses
- Created drawing package
- Customer awarded US Patent 7,118,120 for design of the clutch and gearing systems

