

## **Job Description – Product Design Engineer, Automotive Components**

### Summary Statement

The Product Design Engineer is responsible for developing vehicle components, subassemblies, production fixtures, and product testing methods.

### Description

The Product Design Engineer will design and develop vehicle components that integrate modern technology and/or materials into 1960s-era vehicle architecture, to improve the function of the vehicle. He/she will model prototype designs and build and test functional prototypes, select suppliers, create BOMs, validate production level parts, and work with manufacturing engineering to ensure integration with manufacturing processes and systems.

### Duties and Tasks Performed Critical to Success

The Product Design Engineer Designs will consider performance, function, and manufacturability constraints while balancing cost and schedule. He/she will ensure all components meet functional requirements, cost targets, and show measurable performance improvements and will use physical testing methods and static strength analysis as needed to validate specifications. The Product Design Engineer will plan, manage, and report workload, and will proactively communicate foreseeable challenges.

### Key Functional and Relational Responsibilities

- Develop multiple concurrent prototype and production car part drawings to communicate requirements and manufacturing needs to in-house fabricators and outsourced suppliers.
- Design, create, test, analyze, and update production fixtures used to position, sub assemble, and hold meaningful levels of tolerance on car parts and assemblies such as suspension, body, steering, seats, controls, electronics, etc.
- Create, revise, and issue 3D vehicle data and 2D drawings to meet growing and changing needs.
- Create and maintain BOMs for components and subassemblies

### Relationships and Roles within the Company

The Product Design Engineer will report directly to the Chief Engineer. The Product Design Engineer will work with other functional areas to ensure all cost, quality, and timing metrics are achieved.

### Qualifications

The candidate will have a bachelor's degree in Engineering (e.g. Mechanical, Technical Design) and 3-5 years' experience in an automotive engineering capacity with an OEM or aftermarket automotive component manufacturer. He/she must have a working knowledge of all automotive systems. Must be proficient in Solidworks and Microsoft Office applications. Must have excellent problem solving, communication and interpersonal skills and a genuine interest and background in automotive design and desire to collaborate on new ideas and technologies. An interest in/knowledge of classic car restoration and/or Ford components and systems is a plus.

### Company Description

Revology Cars manufactures and distributes a lineup of new reproduction 1960s Ford Mustangs and Shelby GTs featuring modern powertrains, suspension, brakes, safety, and comfort/convenience features. Launched in 2014 by a former Ford Motor Company executive, Revology has secured financial

backing from a prominent private equity group. The company is an authorized licensee of Ford Motor Company and Shelby American.

#### Compensation

Compensation will consist of a competitive base salary and an annual performance bonus, based on achievement of objectives. The company provides a health, dental, and vision benefits plan to all full-time employees.