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# Example of Components Engineer Job Description

Our company is searching for experienced candidates for the position of components engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for components engineer

* Develop, track and update engineering quality documents DFMEA, DVP&R, P-Diagram, Boundary Diagram
* Lead component and assembly release in Ford engineering release system
* Plan and manage prototype parts ordering and component/system level testing
* Actively work with suppliers to support program deliverables as related to PPAP and APQP
* Analyze warranty/test hardware to identify root cause of failure and define corrective actions using 8D tools/methods
* Benchmark, identify and implement current model quality and cost reduction actions
* Lead component design & release for axle structural components while working with systems engineering team, Ford manufacturing plants, and component suppliers to meet to meet program milestones, quality, cost, weight, functional objectives, and subsystem compatibility requirements for current and future axle and driveline programs
* Lead creation and development of component foundation documents such as Boundary Diagram, Interface Analysis, P-Diagram, DFMEA, and supplier key characteristic transmittal forms
* Develop, coordinate and manage engineering program component quality documents
* Analyze warranty/test hardware to identify root cause of failure and define corrective actions using 5D & 8D tools/methods

## Qualifications for components engineer

* Skilled in written and oral communication, using Microsoft Office products (Word, PowerPoint, Excel, etc)
* 2+ years of MS Excel, Word & Power Point experience
* 3+ years engineering experience as mechanical component engineer
* Experience performing failure analysis of mechanical systems and components preferred
* GD&T, quality management processes/tools and experience reading/creating engineering drawings and specifications preferred
* Ability to work independently and demonstrated track record of delivering results in a dynamic technical environment preferred