



**D E S I G N
R E S E A R C H
E N G I N E E R I N G**

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CASEY J. WAGONER
Project Engineer

Professional Background

Mr. Casey J. Wagoner is a Project Engineer in Electrical Engineering at Design Research Engineering. He specializes in automotive drivability and electrical systems diagnosis. Mr. Wagoner is experienced in hands-on troubleshooting and repair of many vehicle powertrain, body, chassis, and safety systems including engine control, transmission control, electronic throttle control, brake systems, HVAC, airbag systems, steering systems, and suspension systems. In his role as a Project Engineer, Mr. Wagoner analyzes the performance of vehicle electrical systems and components before, during, and after adverse conditions such as vehicle crashes and fires. He installs and calibrates automotive test equipment, designs and fabricates electronic testing devices, and performs technical analyses and electrical evaluations of vehicles and components from multiple domestic and foreign manufacturers. Other responsibilities include locating, procuring, and maintaining test vehicles and components from various automotive OEMs and suppliers.

Prior to joining Design Research Engineering, Mr. Wagoner was a Service Engineer and Subject Matter Expert at the Ford Technical Hotline, where he assisted Ford dealership technicians in diagnosing difficult vehicle concerns for four-cylinder gasoline engines. While completing his college studies, Mr. Wagoner was employed for a summer at the Technical Assistance Hotline for Toyota Motor Sales, USA.

Education and Honors

B.S., Automotive Technology, Southern Illinois University – Carbondale (*cum laude*), 2010
ASE Certified Master Technician (Tests A1-A8; L1), 2008
Southern Illinois University Automotive Technology Outstanding Senior of the Year Award, 2010
Skills USA-VICA Illinois Automotive Competition Champion, 2006

Professional Affiliation

Member – Society of Automotive Engineers