

## Brian R. Johnson, P.E.

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**OBJECTIVE** Apply over thirty years of automotive development and validation experience at a leading automotive company.

### SKILLS

- Extensive experience in the latest validation tools and technology including simulation, drive cell, on-road validation, and wind tunnel
- Extensive experience leading teams of engineers to develop, test and integrate various automobile components and systems

**PROFESSIONAL EXPERIENCE** FIAT-CHRYSLER NORTH AMERICA 2015 - Present  
Vehicle Integration - Jeep Renegade Auburn Hills, MI  
Chassis & Engine Systems Tech Lead / Vehicle Adaptation Responsible

- Led the Chassis & Engine Systems tech club across all platforms
- Liaison for Fiat counterparts

FIAT-CHRYSLER NORTH AMERICA 2013-2015  
Vehicle Integration - Jeep Renegade Turin, Piedmont, Italy  
Adaptation Responsible

- NAFTA / EMEA product development liaison for the first Jeep vehicle engineered and built outside the US
- Oversaw Fiat team leads with respect to meeting NAFTA functional targets
- Assisted product development teams in Turin and Melfi, Italy

CHRYSLER GROUP, LLC 2012-2013  
Large Car ( LA/LC/LD/LX) Programs Auburn Hills, MI  
Aerothermal Vehicle Systems Responsible

- VSR for all E-segment aerodynamic and thermal development process teams
- Managed all aerodynamic and thermal validation including hot trips

CHRYSLER GROUP, LLC 2009-2012  
All Chrysler Group Programs Auburn Hills, MI  
Thermal Vehicle Systems Responsible

- VSR for all Chrysler Group thermal development and validation teams
- Managed all thermal development and validation including hot trips

CHRYSLER, LLC 2004-2009  
Various Chrysler Group Programs Auburn Hills, MI  
Aerothermal Supervisor

- Responsible for all Truck Platform Aerodynamic and Thermal Development team (2008-2009)
- Responsible for all Front-Wheel Drive Platform Aerodynamic and Thermal Development team (2004-2008)
- Led team of engineers to integrate aerodynamic, thermal, and powertrain systems

DAIMLERCHRYSLER AG 1997-2004  
Small Car Platform Auburn Hills, MI  
Senior Engineer

- Managed all aerodynamic and thermal development engineering in Small Car Platform

- Developed complete vehicle validation from program start through launch for various Chrysler Products
- Received US Patent for ducted brake cooling used in the 2001 Chrysler PT Cruiser
- Performed calibration testing for thermal validation for both drive cell and on-road testing

CHRYSLER CORPORATION 1993-1997  
 Minivan Platform Auburn Hills, MI  
 Vehicle Development Synthesis Engineer

- Planned, led and tracked all chassis and thermal development functional performance and reliability
- Led the new aerothermal process to integrate best practices across all platforms

CHRYSLER CORPORATION 1987-1993  
 Small Vehicle & Minivan Chelsea, MI  
 Vehicle Test Engineer

- Responsible for small vehicle and minivan durability and chassis testing at proving grounds
- Led production vehicle evaluation and quality testing, including initial containment testing of new vehicle launches
- Led vehicle validation “Lap of America” trips for new programs including Alfa Romeo 164

CHRYSLER CORPORATION 1984-1987  
 Engine Design and Development Highland Park, MI  
 Piston and Ring Responsible Engineer

- Development of piston power cylinder assembly in Turbo II, V-6, and V-8 engines
- Measured piston temperatures and piston skirt profiles for noise and oil economy

BECHTEL CORPORATION 1982-1984  
 Nuclear Systems Ann Arbor, MI  
 Nuclear Radwaste Systems Engineer

- Responsible for nuclear radwaste system design, change notices, and system team completion activities
- Led Radwaste System Completion Team for Midland, MI plant
- Liaison for Ann Arbor satellite office

**PROFESSIONAL SOCIETIES**

- Michigan Professional Engineer license Current
- Society of Automotive Engineers (SAE) membership 1980 - Current
- SAE Detroit Section Governing Board Member 2004-2007

**EDUCATION**

BACHELOR’S OF SCIENCE IN MECHANICAL ENGINEERING Class of 1982  
 Michigan Technological University, Houghton, Michigan

EDUCATION HONORS

- SAE Student Mini-Baja Midwest Competition - 1st place overall (first front-wheel drive Baja)
- SAE Student Branch Officer

**PRODUCTS LAUNCHED**

| TURBO II INTERCOOLED ENGINE | V-6 ENGINE               | V-8 ENGINE            |
|-----------------------------|--------------------------|-----------------------|
| 1996 CHRYSLER T & C         |                          |                       |
| 2000 DODGE NEON             | 2001 CHRYSLER PT CRUISER | 2006 DODGE CALIBER    |
| 2006 JEEP COMPASS           | 2006 JEEP PATRIOT        | 2007 CHRYSLER SEBRING |
| 2008 DODGE JOURNEY          | 2017 JEEP RENEGADE       | MORE                  |