



Wheel, Trailer Components
and Automotive Parts Specialists
Since 1911



PIONEER RIM & WHEEL CO

**NOW
AVAILABLE**



Dorman Premium Quality Water Outlets

EXCLUSIVE AFTERMARKET SKUS = MORE SALES OPPORTUNITIES

Over 500 SKUs Cover Over 250 Million Vehicles

More than a Replacement, It's an Upgrade!

Built to withstand extreme changes in temperature that causes housings to become brittle, crack and leak.

- Includes all hardware, gaskets, thermostat and sensors (where applicable)
- High-quality plastic or metal construction
- Direct replacement for a proper fit every time



INCLUDES A REMOVABLE PLUG

Fits one and two sensor models



902-860

Thermostat Housing Kit

Ford Explorer, Mountaineer 2011-02



902-319

Thermostat Housing Kit

Chrysler 2013-07, Dodge 2013-07, Jeep 2012-07

Aftermarket Exclusive!



902-701

Coolant Water Outlet

Volkswagen 2002-93



902-693

Thermostat Housing Kit

GM 2015-07

AVOIDING FAILURES WITH RIGOROUS PRODUCT TESTING

Vibration Welds



FAILURE MODE:
Heat and pressure of coolant cause seam welds to fail prematurely

Quality Validation

Thermal Cycle, Burst Test

O-Rings & Gaskets



FAILURE MODE:
Coolant wears away material causing poor performance and leakage

Quality Validation

Compression Set, Hardness Test

Plastic Housings



FAILURE MODE:
Plastic housing becomes brittle over time, leading to cracking

Quality Validation

Tensile Strength, Leak Test

Integrated Thermostats



FAILURE MODE:
Thermostats are worn out causing poor timing on opening or closing

Quality Validation

Temperature vs Displacement Test

Integrated Sensors



FAILURE MODE:
Sensors corrode causing poor communication to thermostats

Quality Validation

Temperature vs Signal Test



Common Failure:
Leaking at the seam

Results from a third party testing lab's thermal cycle leak test confirmed our part greatly outlasts the competition.

Unmatched Quality

- Strict internal approval and inspection process on all components
- Rigorous 50 point quality verification
- Dedicated product, engineering and quality teams to ensure product performance
- Careful attention to all potential failure areas: vibration welds, o-rings and gaskets, plastic housings, integrated thermostats and integrated sensors

f.o.b. our warehouses
PRICES SUBJECT TO CHANGE WITHOUT NOTICE

PIONEER RIM & WHEEL CO

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