

FUEL MODULES UNIQUE INNOVATIONS



New vent valve design that controls fuel vapor and is retained by a locking ring

COMPETITORS
Old type vent valve is used and simply pushed into the plastic which can easily fall under vibration

Fuel bowl housing with additional material for increased durability and robustness

COMPETITORS
Fuel bowl housing with less material that will harden and break if manipulation is necessary, such as fuel tank replacement

Pump-mounted noise insulator to prevent undesired noises when operating

COMPETITORS
Pump mounted on rubber which hardens with time and transfers undesired noise to vehicle body

Rubber insulators stabilize the part in the tank to reduce vibration

COMPETITORS
No rubber insulators causes excess vibration that will be transmitted as noise throughout the vehicle

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ENGINEERED
HERE

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Secure clamps found at both ends of fuel pump outlet hoses to prevent them from coming off under high pressure conditions



COMPETITORS
No clamps to secure hose which can come off in case of high pressure build-up or surge caused by a bad regulator or dirty fuel filter

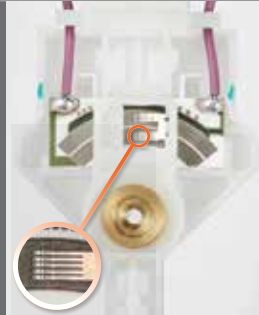


Larger float has better buoyancy which increases fuel gauge accuracy

COMPETITORS
Smaller float causes unstable reading due to deficient buoyancy



Fuel level sensor improvements with palladium-silver material and five fingers to increase durability and reading accuracy



COMPETITORS
Old fuel level sensor design that wears rapidly and causes erratic fuel gauge readings

