



- The electronic component continuously monitors sensor output to ensure it responds with the appropriate frequency rate
- Each knock sensor is engineered and designed to meet OE specifications for that vehicle, ensuring ideal performance
- The Piezoelectric disc is a crystalline element that receives the vibrations from the engine, and transmits them to the computer using a voltage signal.
- Wire harness comes with protective sleeve to prevent wires from damage

KNOCK SENSORS

The knock sensor is able to detect mechanical stress and produces a voltage when the car knocks or pings. Under heavy acceleration, it sends signals to the ECU and the ECU retards the ignition timing to compensate for the knocking, which in effect protects the pistons and rings from damage. Knocking also occurs when using low-grade fuel and having the knock sensor allows you to use different grade fuels without causing engine damage.

- Holstein utilizes only premium materials to ensure durability and reliable service
- Global coverage of European, Asian, and Domestic vehicles
- Tested to ensure voltage specifications align with OE standards
- 3 Year / 36,000 Mile Warranty on all Holstein Knock Sensors