

An electromagnetic spark plug has collector, central electrode, with possibility of formation of spark space between the ends of those, piezoelectric element included between the collector and central electrode, and in front of those exciting coil is placed. A permanent magnet is used as a core, this interacts with magnetic field of exciting coil that repels permanent magnet to piezoelectric element under effect of pulse with positive polarity and turns permanent magnet at application of pulse of opposite polarity.