

SPARK PLUG TRAINER**DESCRIPTION**

The EM-300-16 Spark Plug Trainer is designed to demonstrate how spark plugs work in automotive distributorless ignition systems. The spark plug plays an important role in ignition systems since it emits the spark that produces the explosion of the fuel/air mixture inside the internal combustion engine cylinders. The spark plug is quite simple in theory: It forces electricity to arc across a gap, just like a bolt of lightning. The electricity must be at a very high voltage in order to travel across the gap and create a good spark. The EM-300-16 Spark Plug Trainer allows students to adjust air pressure either by adding or removing oxygen inside the glass cylinder to simulate a combustion chamber, and to check the gap between the spark plug electrodes to produce the required fire.



The DIS/Coil switch allows changing between the following functions:

- Spark plug checking mode (Figure A)
- D.I.S. operation mode (Figure B)



Figure A



Figure B