

Product Name :
Conventional Breaker Point Distributor Trainerfor engineering schools

Product Code :
AUTO-EN051



Description :

Conventional Breaker Point Distributor Trainer, technical teaching equipment for engineering

The breaker point ignition system circuit starts and ends with the battery. When the engine is running the battery is continuously being recharged by an alternator or, on older systems, a generator. Current flows from the positive terminal of the battery to the ignition switch and an ignition coil. The ignition coil is really a transformer that steps up the 12-volt current of the battery to somewhere in the neighborhood of 25,000 volts. In engines of medium to high compression this kind of voltage is necessary to reliably arc across the gap on a spark plug and make enough fire to ignite the fuel/air mixture in a cylinder.

The coil has two circuits in it; the primary, which runs from the positive coil terminal to the negative coil terminal; and the secondary circuit, which goes from the positive terminal on the coil to the ignition wire in the center of the distributor cap. The negative wire on the primary circuit runs from the coil to the base of the

distributor and the breaker points inside. This may sound a little confusing, but it makes sense when you understand that the points act to open and close the ground circuit.

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