

# Auto Isolator I

## Battery Isolator

### Features

- System consists of a controller that detects when a vehicle's alternator is charging the main battery and then closes a solenoid to tie-in charge to an auxiliary battery
- When the engine is stopped or charge voltage is no longer present, the solenoid opens to isolate the batteries
- Upon "cranking" the engine with a charged auxiliary battery, the solenoid is energized to parallel the batteries and provide a starting boost
- If the auxiliary battery is low, the controller senses that condition and the batteries are not paralleled.
- Uses a solenoid rather than an isolation diode which typically causes a 0.7 volt drop, thus auxiliary battery receives full charge voltage
- The starting boost provided by the paralleled batteries is especially useful in cold weather or when the battery is low



Controller



Solenoid

### Specifications: Auto Isolator I

**Controller:** 091-139-CONT-12

**Actuation Voltage:**  $\leq 13.3V$  (field adjustable)

**Battery Load:** 0.000125A

**Output Current:** 3A

**Solenoid:** 091-139-SOL-12HO

**Volts:** 12V

**Coil Current:** .45A

**Contact Rating:** 200A cont./600A surge

Part Number	Description	Dimensions			Wgt.
		H	W	D	
091-139-CONT-12	Auto Isolator I Controller	5.10"	2.95"	1.55"	0.4
091-139-SOL-12HO	Auto Isolator I Solenoid	3.60"	3.30"	2.80"	2.0

