



## **AUTO-EJECT INTERNAL CIRCUIT BREAKER SWITCH**

All series of Kussmaul Auto-Ejects incorporate a circuit breaker switch which is coupled to the eject mechanism.

The purpose of this is to prevent arcing at the pins when connecting or ejecting the connector.

Thus, when the line connector is applied to the Auto-Eject on the vehicle, there is no transfer of current until the connector is pushed all the way into its receptacle.

When the connector is ejected, the circuit is similarly broken before the connector leaves the pins.

If the connector is removed by hand, this switch is inoperative and arcing can occur, and similarly connection to the Auto-Eject that has not gone through the eject cycle lacks the benefit given by this switching.

This is the same as the switch on your wall sockets at home; arcing occurs if the switch is not to "off" before the plug is removed, and again if it is not to "off" before you plug in.

The purpose of this is always to prevent connector and pin wear through the erosion caused by arcing, and thus give much greater connector & pin life.