



**Motorcycle
Electronic Cruise Control ©**

How to identify a replacement Cruise Safe relay

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MOTORCYCLE CRUISE CONTROLS

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Motorcycle Cruise Controls has used the same design relay on several different control models for several years.

The relay is a standard automotive normally open micro relay with a resistor suppressed coil. Almost all modern cars have several of these relays fitted to them.

These relays will be readily available from any automotive electrical repair shop, and should also be available from any spare parts store, however trying to get someone to find it in a parts store may be difficult, as you will not be able to tell them what vehicle it comes from.

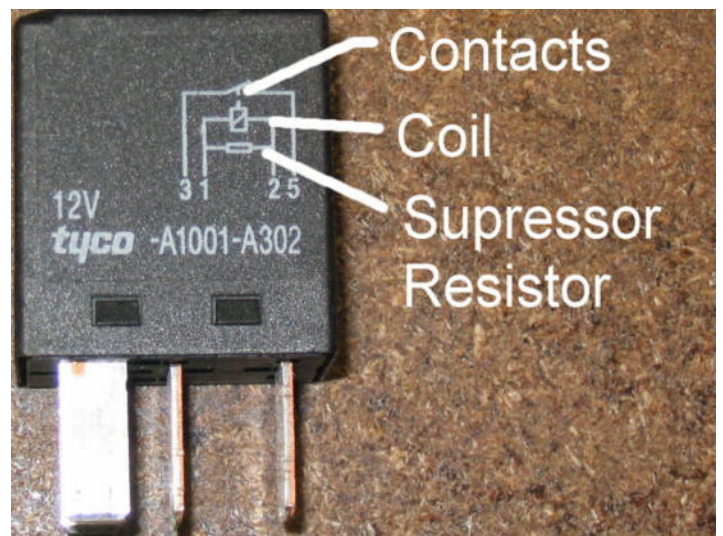
Any 12V relay with more than 10Amp current capacity, the same pin configuration and a resistor or diac suppressed coil can be used. If a normally open relay is not available, a changeover type is also suitable.

Normally open resistor suppressed relay.

This shows the normal 12V micro relay we supply.

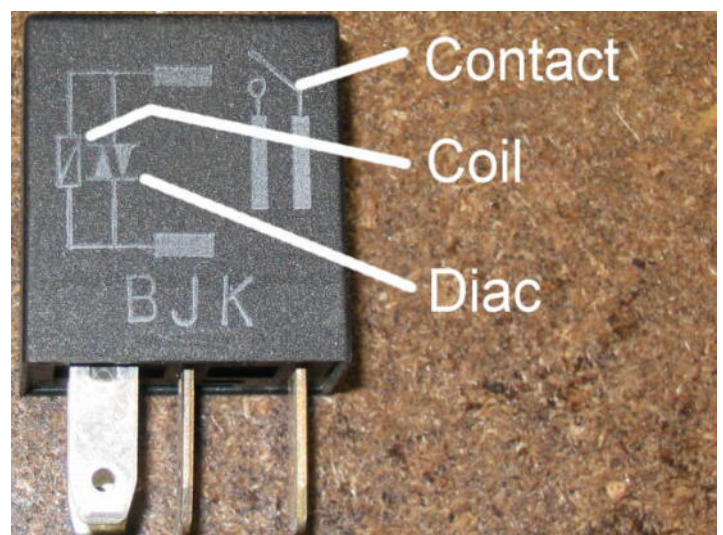
This has a normally open contact (contacts close when power is applied to the relay coil).

It has a suppressor resistor shown under the coil on the diagram.



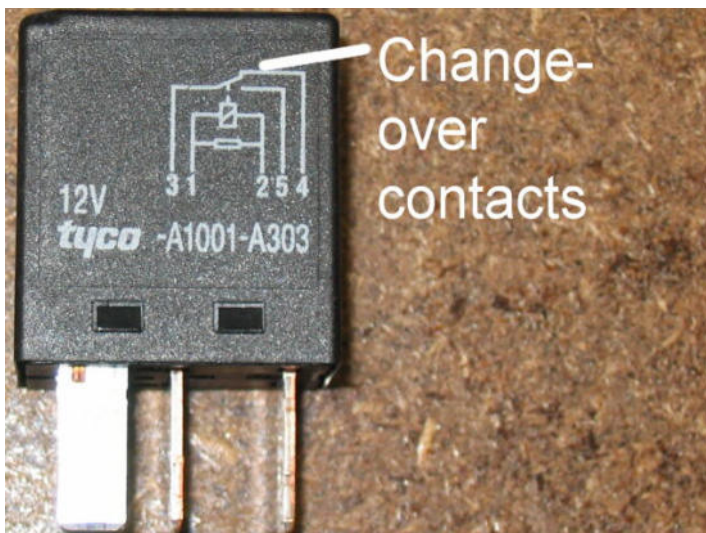
Normally open diac suppressed relay.

This design is also acceptable. This shows a Diac instead of a resistor suppressor.

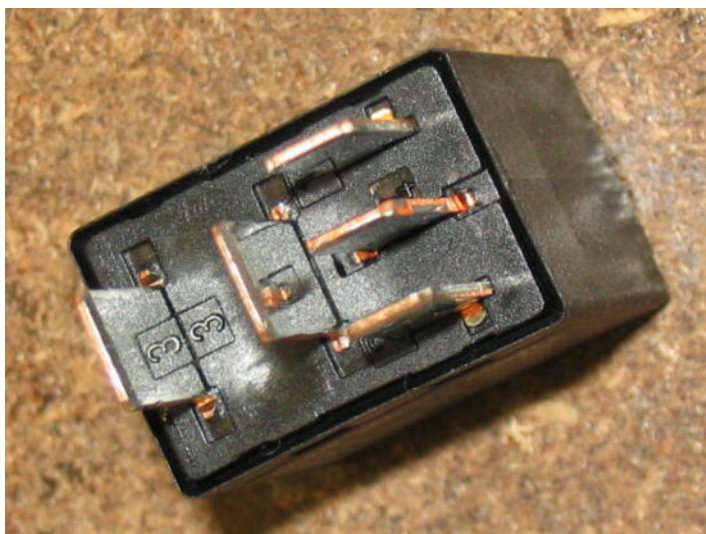


Change-over type resistor suppressed relay.

This relay has changeover contacts instead of normally open. In our application, the extra contact is not needed, but it does NOT matter if it is there (see below). This design is also suitable.



The change over relay has three small contacts on the base instead of two (the middle contact is the extra one).



The relay fitted must have that same pin configuration (this is pretty much universal anyway), must have either a diac or resistor suppressed coil and must be either normally open or a change-over relay. A normally closed relay is NOT suitable.