

Immobilizer Using a Relay

Some transponder systems work on an induction system. What this means is that when the coil around the ignition switch is energized it will pick up the transponder chip in the key and read the information on it. Once it validates that the information is correct it will allow the vehicle to start. There are some vehicles that have no data bypass and require a key wrap. This is an easy way to make one and allow you to make sure you have plenty of wraps around the ignition switch. It is recommended to use 5-8 wraps around the key and ignition switch. Some vehicles will require more wraps and some require the entire key to be wrapped. The relay used in the diagram is a standard 30 Amp automotive relay.

