iNTELLIGENT BAND

Please note that these fitting instructions are general fitting instructions and are not vehicle specific. Installation of this system should only be carried out by qualified individuals. Intelligent Band cannot be held responsible for any damage caused during the fitting of this system.

Remove ignition barrel from vehicle and disconnect ignition wiring. Using a multimeter identify the IGNITION= ACC. LIVE, IGNITION LIVE, PERMANENT 12VOLT SUPPLY AND STARTER WIRES

Using a 30mm hole cutter enlarge the original ignition position or cut a new hole in a suitable position to allow the START/STOP button to be fitted.

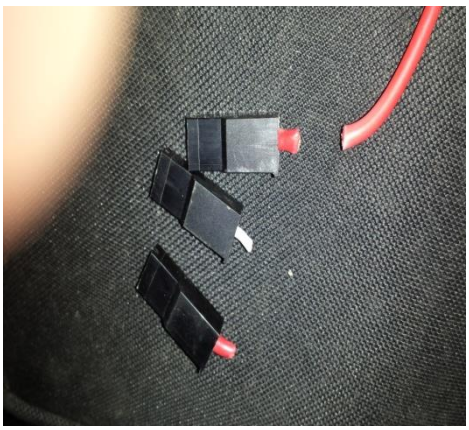
Please Note If you are not going to use the original ignition position for the button a blanking grommet will require fitting to blank off the original fitting

Thread the button wiring through the hole. Bend the securing tabs on the back of the button to fit through the hole, once in place reach behind the button and bend the tabs back out to secure the button in place. The RFID reader can now be threaded over the START/STOP button wire and held in place behind the button with a suitable bonding agent (this will also ensure that the button cannot be easily removed).

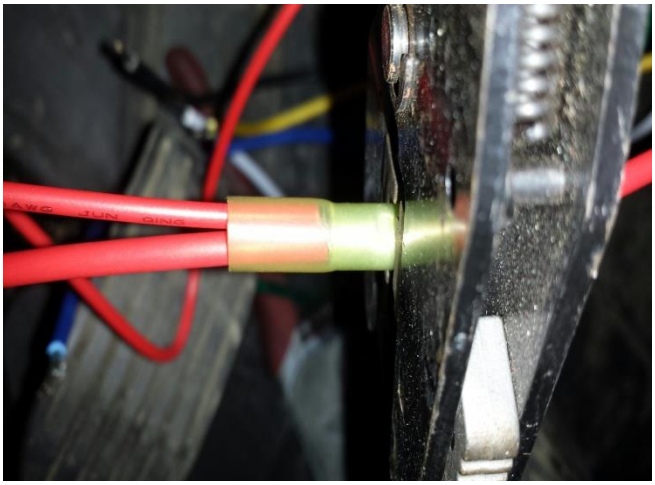
Please Note If the button is exposed to moisture once fitted to a vehicle i.e. Quad, Motorcycle etc it will need to have a moisture resistant resin or similar substance applied covering the back of the button area prior to fitting.

Remove any connector blocks from the original vehicle ignition wiring and strip off about 1cm of insulation on all ignition wires. Fit heat shrink crimp connectors to all of the ignition wiring (only crimp them at this stage Do Not shrink them)

Please Note On some installations extra lengths of wire and/or wiring adaptors may need to be fabricated at time of fitting.



Connect **Red** wire from 6pin white connector of control unit and **Red** wire from 10pin white connector of control unit to PERMANENT 12VOLT SUPPLY of ignition. Crimp connections and heat shrink connector.



Connect **Black** wire from 6pin white connector of control unit and **Black** wire from 10pin white connector of control unit to a heat shrink ring connector. Crimp heat shrink and bolt to a **suitable vehicle body earth point.**

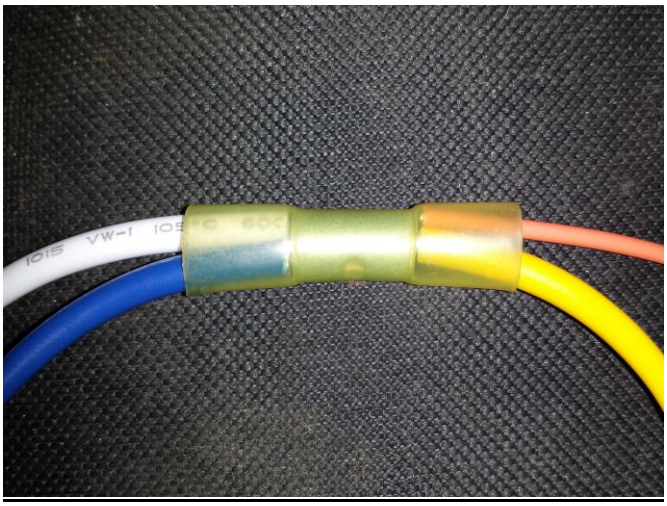
Orange wire from 10pin white connector of control unit fitted to the brake switch signal wire so brake would need to be pressed on starting the vehicle.

or

Connect **White** wire from 6pin white connector of control unit and **Orange** wire from 10pin white connector of control unit to the vehicle Accessory wire (if fitted). Crimp connections and heat shrink connector.

or

If the vehicle has not got a separate Accessory wire and /or brake switch fit the **white** and **Orange** wire to the ACC. LIVE (Ignition position 1) with the **Blue** wire from 6pin white connector of control unit. Crimp connections and heat shrink connector.

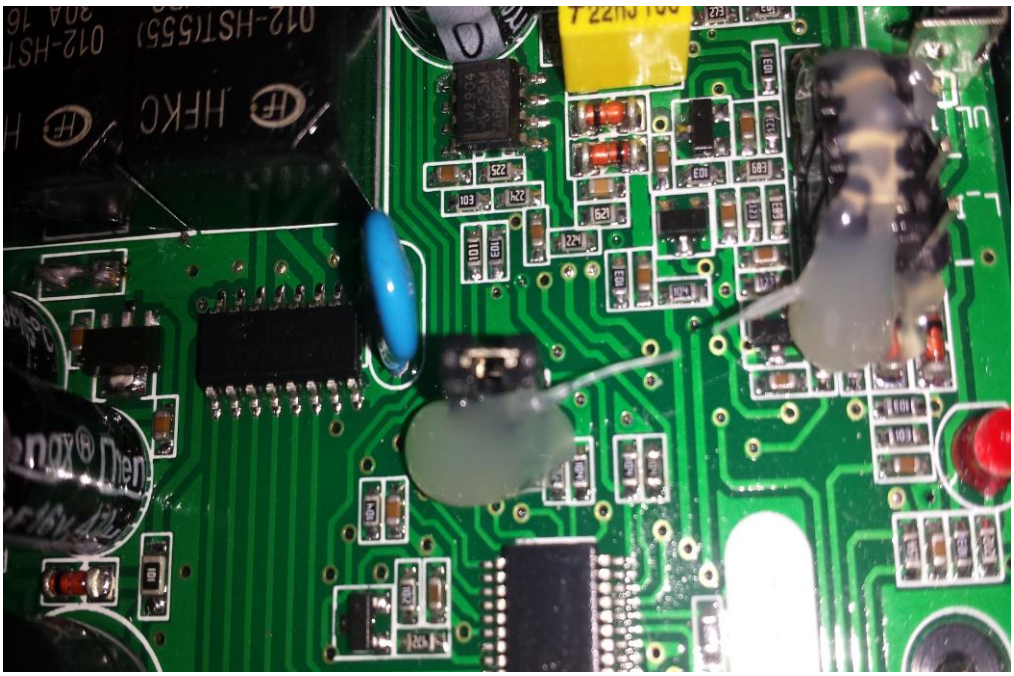


Connect **Green** wire from 6pin white connector of control unit to the IGNITION LIVE (Ignition position 2). Crimp connections and heat shrink connector.

The control unit comes set as default to Petrol engine vehicles. When installing the system on a Diesel engine vehicle you need to remove the small chip in the centre of the printed circuit board (Small Black chip with glue on in centre of picture below)

Connect both wiring connector blocks, START/STOP Button and RFID Loop to control unit.

Locate control unit securely on vehicle but allowing access to programming button with vehicle trim removed.



Please Note If the control unit is to be exposed to moisture once fitted to a vehicle i.e. Quad, Motorcycle etc it will need to have a cover fitted to avoid the ingress of dirt and moisture.

Programming

1. Press and hold the learning button on the side of the control unit until a single audible beep is heard (3 to 5 seconds) the unit is now in learning mode.

2. Hold each band or tag one at a time next to area where the RFID loop is fitted. After each band or tag is recognised there will be a single audible beep to confirm that the band or tag has been recognised.

3. Once all bands and tags have been programmed wait until two audible beeps have been heard, this signals the exit of learning mode.

4. **Important** If any new bands or tags are to be added to the system then ALL of the original bands and tags will need to be re-coded at the same time as coding new bands or tags will erase the current data stored.

Wiring Diagram