

# Bell Auto Services

## FBHIC3 Wiring Connections

### Minimum requirements for wiring on installation:

Ensure an active SIM card is fitted that has an SMS credit balance

**Red** = 12V Main battery power

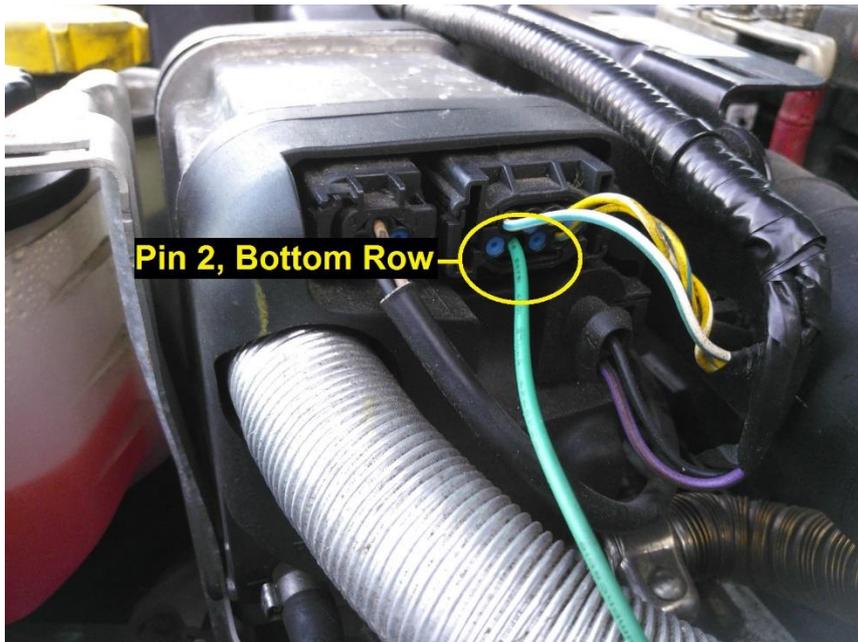
**Black with White Trace** = Chassis GND

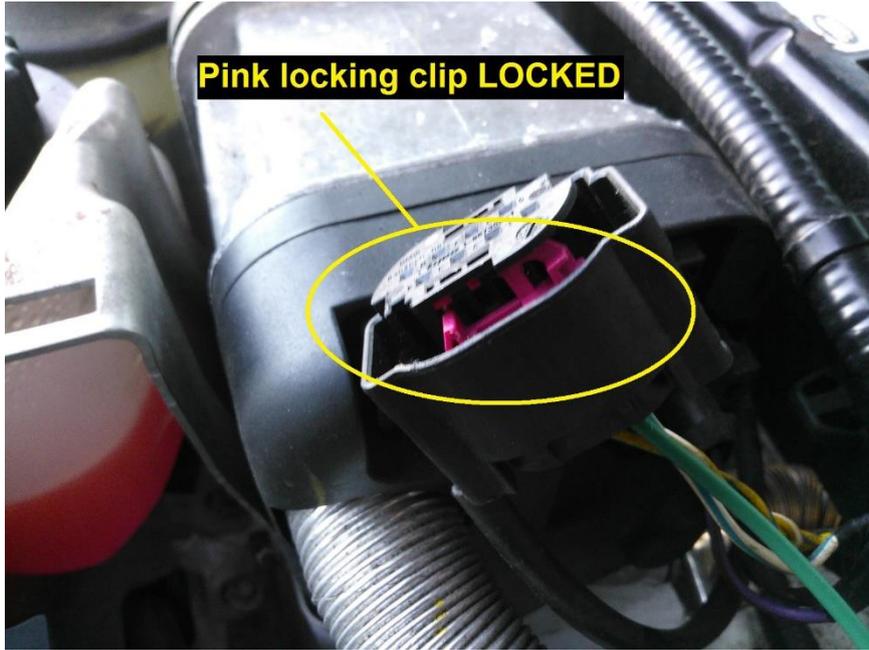
**Green** = Pin 2 of FBH heater

**Blue** = Headlight sense

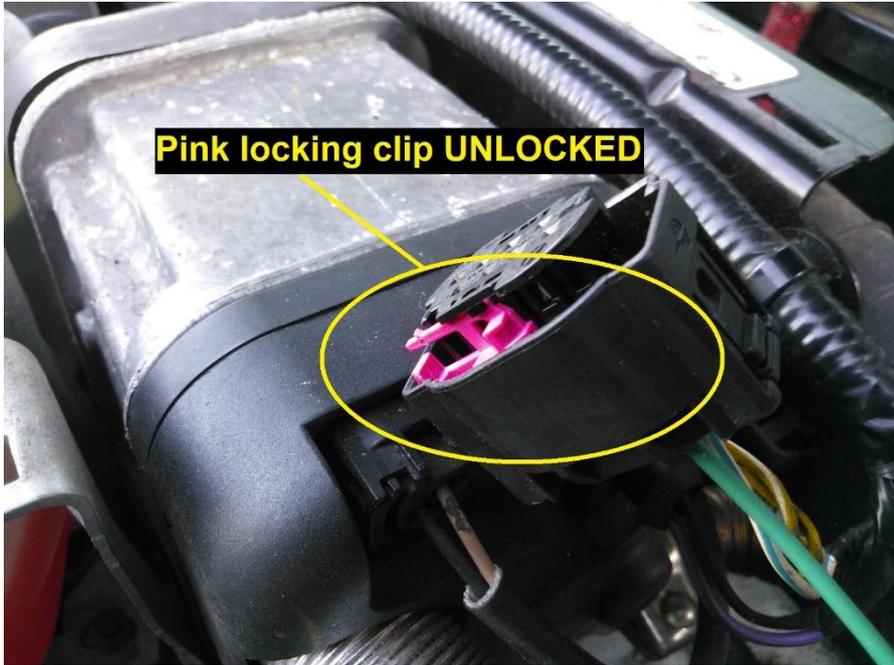
GSM&GPS Antenna

- 1: Connect **Green** wire (with the terminal on the end) to Pin 2 of the FBH plug.  
(Remove plug from FBH whilst fitting the wire to access the pink locking clamp.) Slide the clamp to one side, allowing the pin to be inserted, and slide back to lock pin in place.

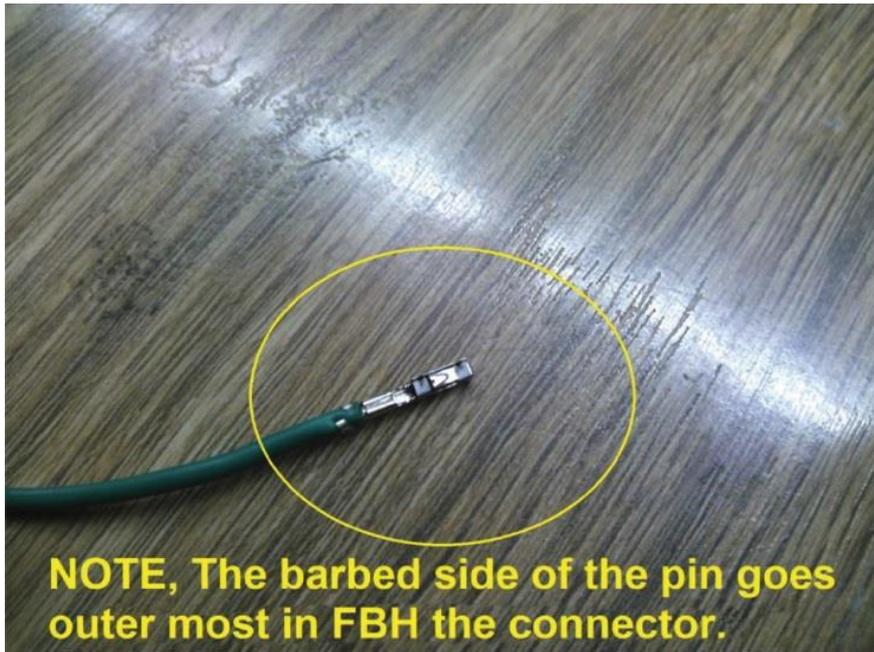




**Pink locking clip LOCKED**

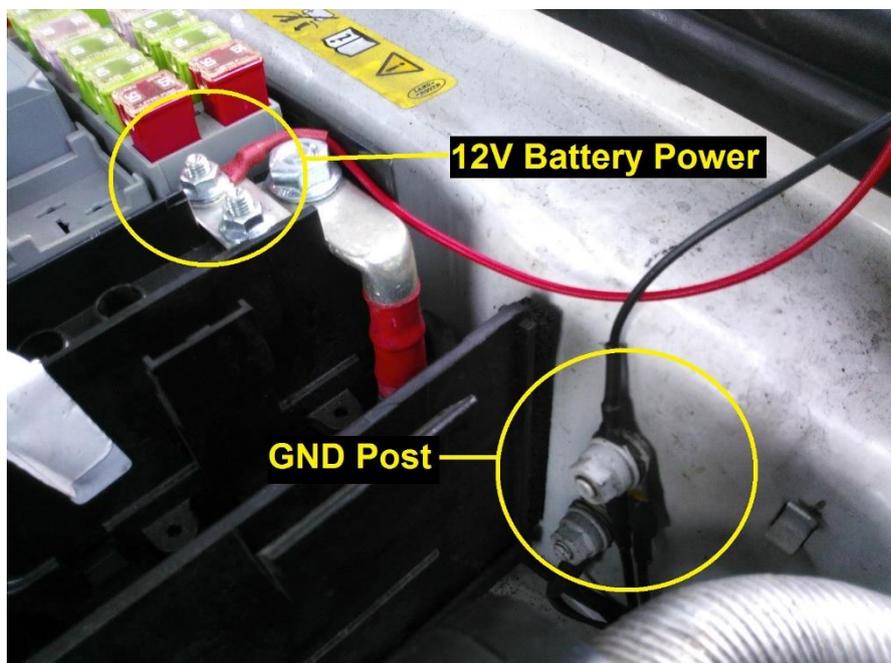


**Pink locking clip UNLOCKED**



2: Connect **Black** with **White** trace to Chassis GND (A **GND** post can be found on the inner wing).

3: Connect **Red** to 12V Battery Power. (You can splice and add a separate a 3 Amp fuse, if you prefer.)



4: Finally, connect **Blue** to the headlight LOW BEAM wire (**Blue** with **Pink** trace) on the car. (Soldering in here is preferred but Scotch locks can also be used, if you prefer.)



After all connections are made, the loom plug should be connected to the main module then allowed to boot-up and get an GSM signal from the network for 5 to 10 mins before trying to send SMS to control the FBHIC3 module.

## Complete FBHIC3 main wiring loom details:

**Purple** = AUX 1 (GND trigger for external LED or relay).

**Yellow** = Temp sensor B (Purchasable separately from BAS).

**Grey** = SW1 (Used to externally trigger the FBH start/stop by momentarily holding to GND for 2 seconds). Can be used for external switching.

**White** = Temp sensor A (Fitted as standard to monitor external temperature).

**Orange** = AUX 2 (Active for the last ¼ of the heaters run time).

**Brown** = 12V, 1Amp Power out (active for the duration of heater running).

**Black with White Trace = Chassis GND**

**Green = Pin 2 of FBH heater, NOTE: if a Red wire is already present, REMOVE IT FIRST.**

**Red with Black trace** = 12v Ignition sense (When connected this improves engine running detection).

**Blue** = Headlight sense (Connects to the head light LOW BEAM wire for FBH activation, trigger by making the lights come on for 5 seconds and then back off again using the Land Rover button on the key.).

**Red = 12V Main battery power (Should NOT be connected to auxiliary batteries)**

### Connecting the Antenna:



Connect the antenna cables to the main FBHIC3 module make sure to get them the right way around as seen in the picture above.

(The round antenna base can be mounted behind the front grill on the diagonal bars using a double sided sticking pad)