# Temperature Sensor Installation

Here is all of the hardware you will be working with:

---

## Included Hardware

LMU2620 - 5C260 wiring harness
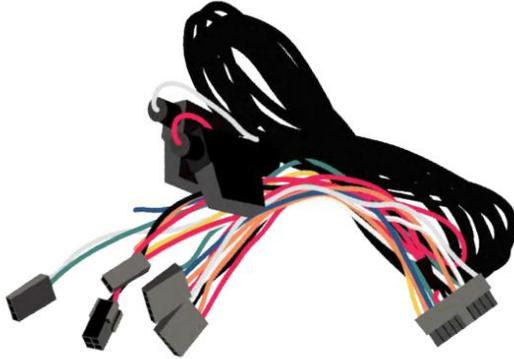*See Figure 1.*



*Fig. 1*

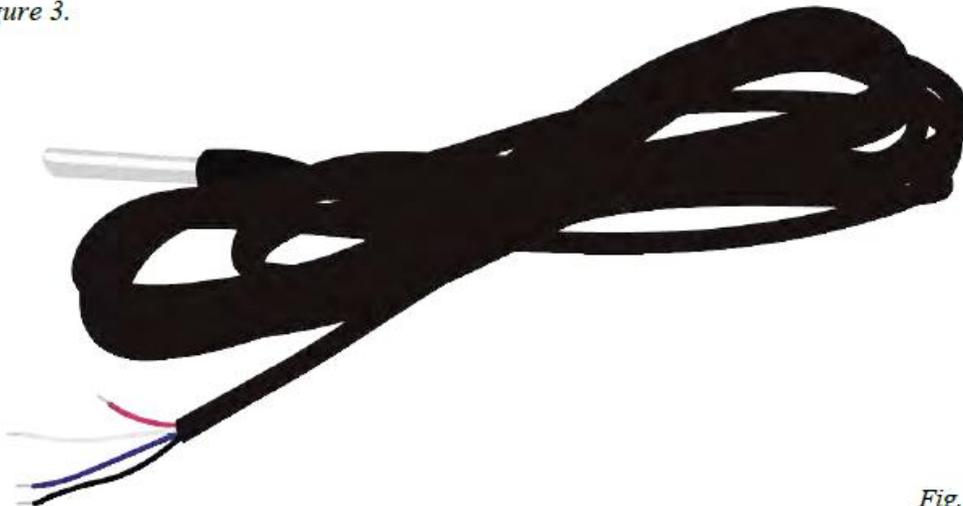**Hardwired Device**

## Temperature Sensor (134385)

*See Figure 3.*



*Fig. 3*

## Temperature Sensor – Part # 134385

### Temperature Sensor Wire Definitions

| Color | Function |
|-------|----------|
| White | 1-Bit Bus Data |
| Black | 1-Bit Bus Ground |
| Blue | Previous Sensor (In) |
| Red | Next Sensor (Out) |

Now we will walk you through the steps you must take to successfully install your Temperature Sensor to your Hardwired device.

1) Locate the wires you will need on the Wire Harness and then expose the wire.

## Connections

### LMU2620 - 5C260 wiring harness

When connecting the temp probe to the 5c260 wire harness, take the following steps; **Step one**: Take the 5C260 wiring harness as shown below and find the two pin connector with one (black) wire and one (blue + white) wire. **Step two**: Cut the two pin connector. *See Figure 4.*
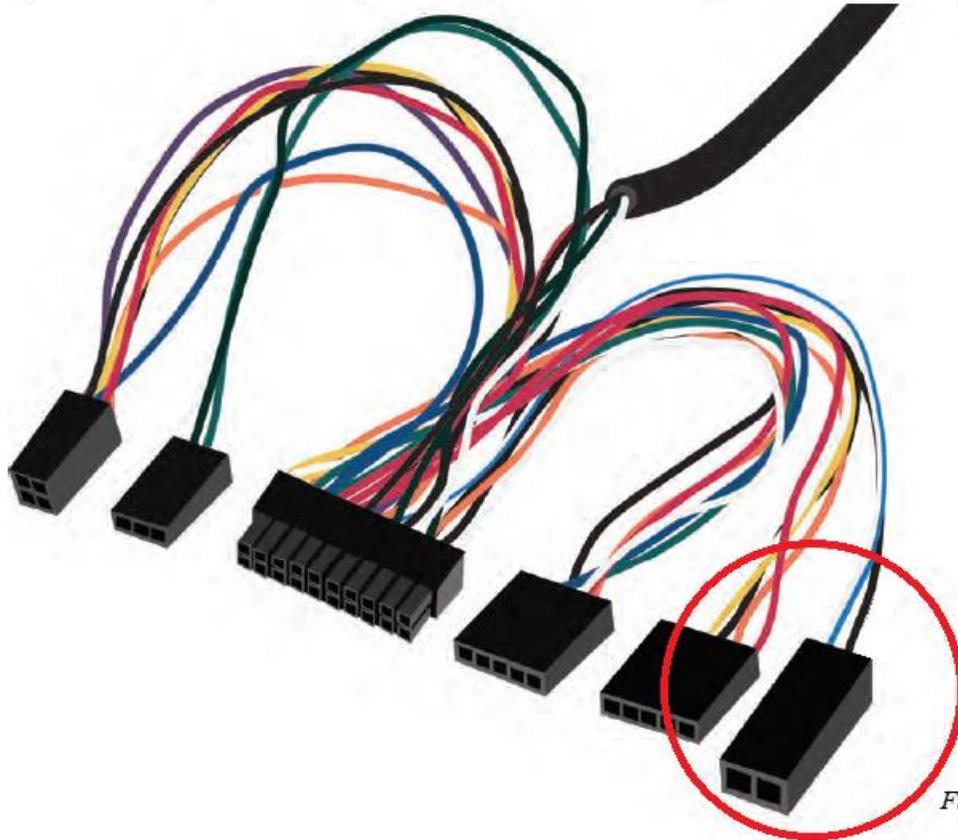
*Fig. 4*

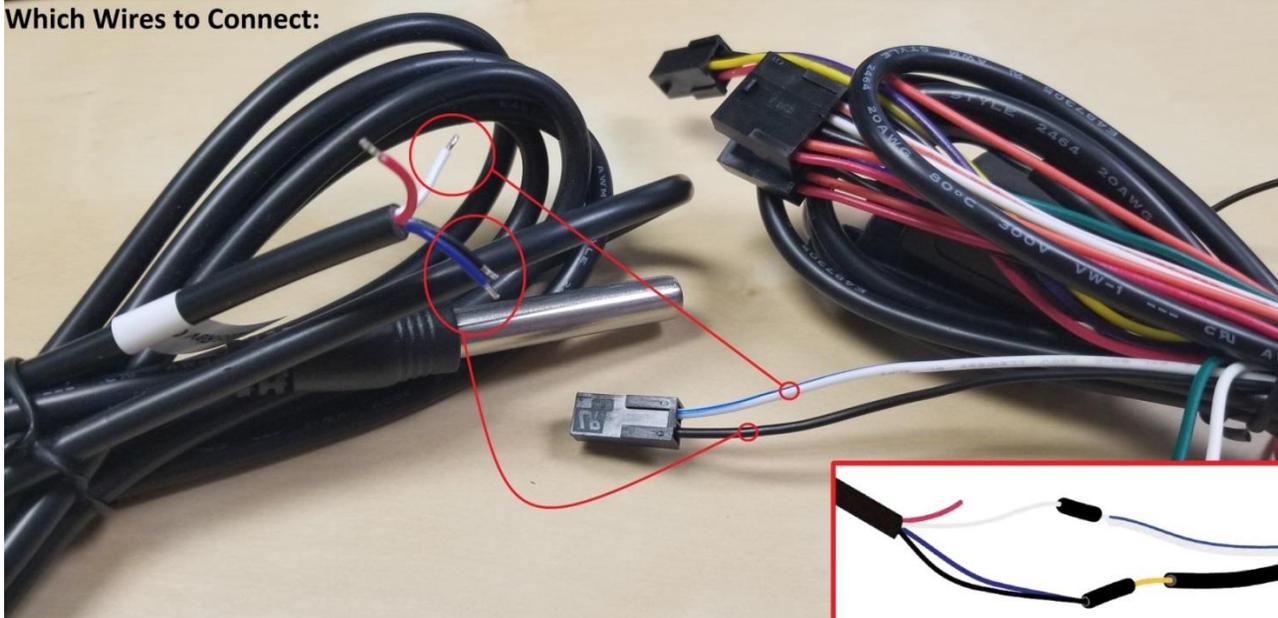### TTU2830 (no cutting required)

When connecting the temp probe to the 2830 there is no cutting required. *See Figure 5.*

*Fig. 5*

2) Locate the wires on the Temperature Sensor that you will need to connect to your Wire Harness.

**Which Wires to Connect:**



*Below find pin numbers for harness wires as a guide to locate the corresponding wires if they have been cut or undone and for definitions.*

3) Once you have found the wires you need to connect, you can put them together.

## What to Connect

Connect the following wires as detailed in table below. *See Figure 6.*

| Temperature Sensor | Device |
|---|---|
| Blue<br>+<br>Black | Black |
| White | White/blue |
| Red  (not used) | |



Device Wire Harness          Temp Sensor

White connect to
White/Blue on device

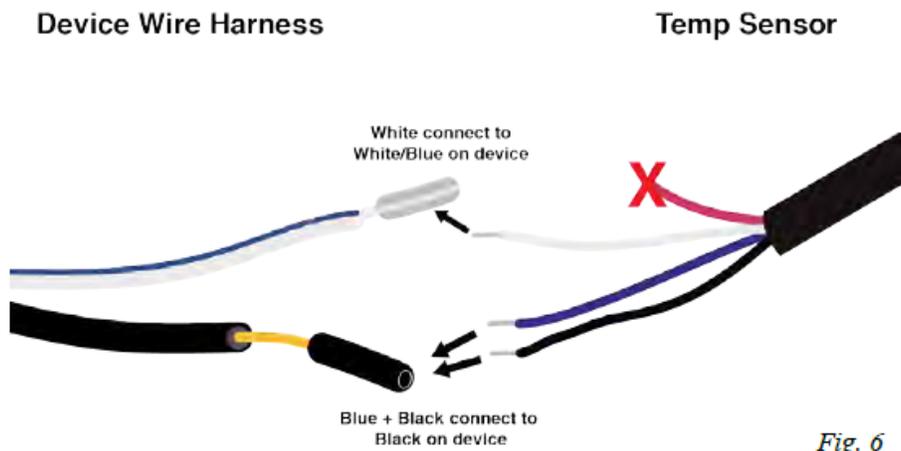Blue + Black connect to
Black on device

*Fig. 6*

4) Once you have connected the wires, you should be good to go!
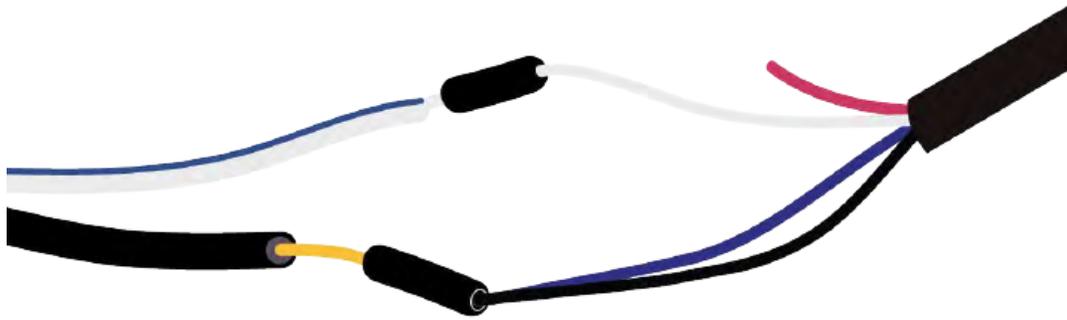
All set!



*Fig. 7*

---

Additional Information:

Below are some additional definitions and information about your hardware.

**One-Sensor Installation**

For the Single sensor applications the Blue wire must be attached to ground in order for the sensor to operate properly.

| | Color | Function |
|---|---|---|
| A | White | 1-Bit Bus Data |
| B | Black | 1-Bit Bus Ground |
| C | Blue | 1-Bit Bus Ground |
| D | Red | Floating |

**Multi-Sensor Installation**

Sensor 1 of the chain must be wired as follows.

| | Color | Function |
|---|---|---|
| A | White | 1-Bit Bus Data |
| B | Black | 1-Bit Bus Ground |
| C | Blue | 1-Bit Bus Ground |
| D | Red | Blue of Next Sensor |

The Temperature Sensors in the middle of the chain between the first and last sensor.

| | Color | Function |
|---|---|---|
| A | White | 1-Bit Bus Data |
| B | Black | 1-Bit Bus Ground |
| C | Blue | Red of previous Sensor |
| D | Red | Blue of Next Sensor |

The Temperature Sensor at the end of the chain is configured as follows:

| | Color | Function |
|---|---|---|
| A | White | 1-Bit Bus Data |
| B | Black | 1-Bit Bus Ground |
| C | Blue | Red wire of previous Sensor |
| D | Red | Floating |

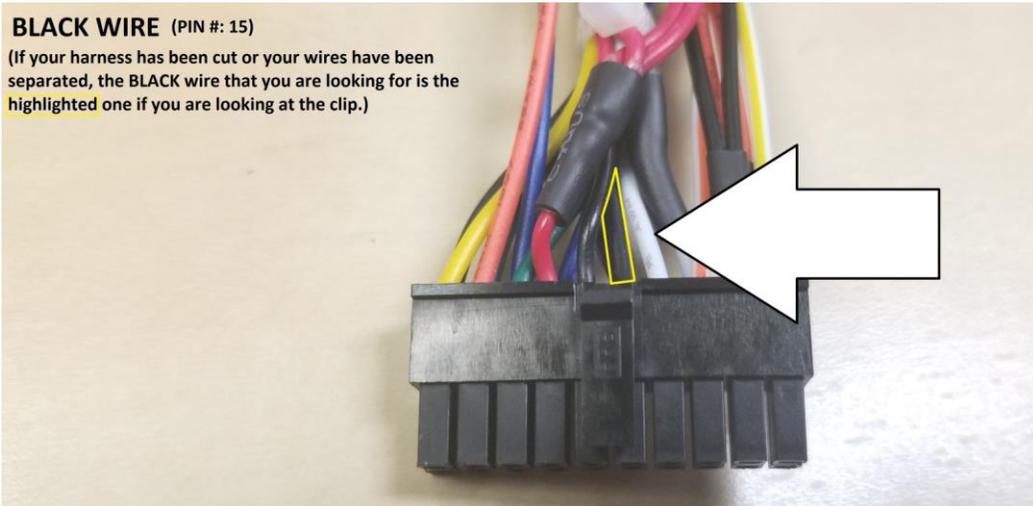| | Color |
|---|---|
| A | White |
| B | Black |
| C | Blue |
| D | Red |
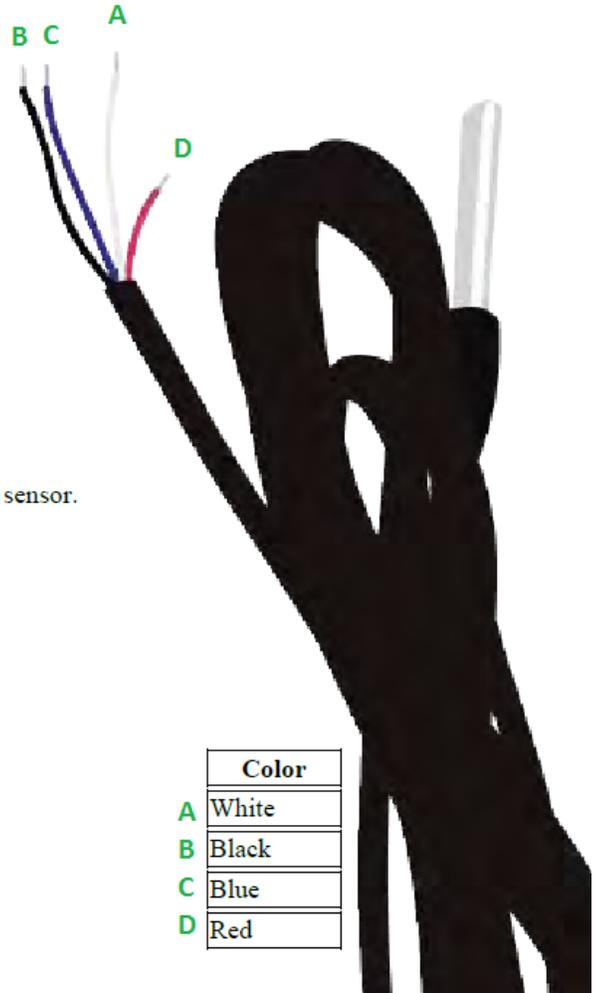
Wiring Harness Pin #'s:
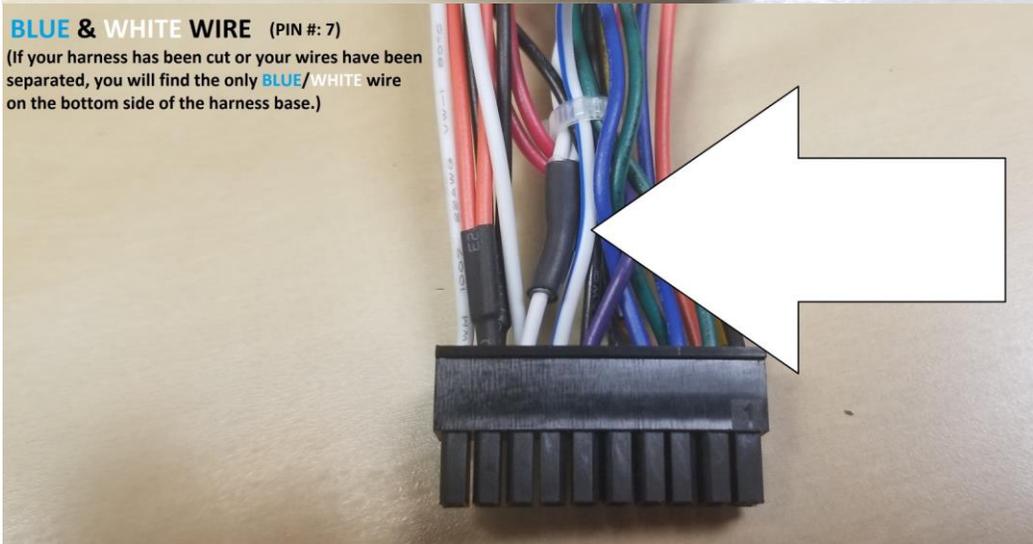
- Black Wire = 15

- Blue/White Wire = 7

**BLACK WIRE** (PIN #: 15)

(If your harness has been cut or your wires have been separated, the BLACK wire that you are looking for is the highlighted one if you are looking at the clip.)

**BLUE** & **WHITE** **WIRE** (PIN #: 7)

(If your harness has been cut or your wires have been separated, you will find the only BLUE/WHITE wire on the bottom side of the harness base.)

End