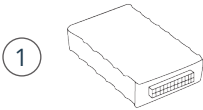# MiFleet

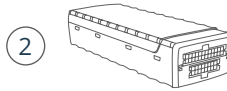*Device 1 - MF2630*   *Device 2 - MF3640*   *Device 3 - MF2830*

Temperature Sensor Solution
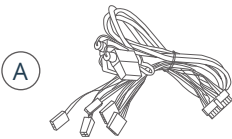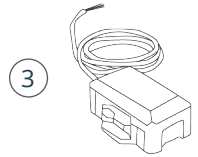
What's Included:

①   +   ②   +   ③

Ⓐ   or   Ⓑ   or   +
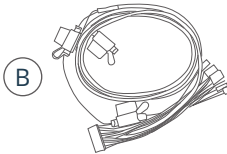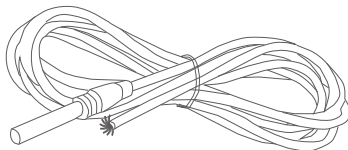
5C260   *5C360*

+   +
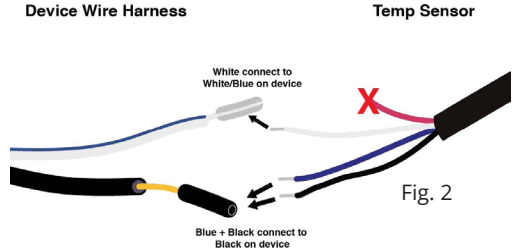

Temperature Probe

Wiring Instructions:

MF2630 to wiring harness 5C260. MF3640 to wiring harness 5C360. MF2830 connects directly to Temperature Probe. Steps 1 & 2 are for MF2630 & MF3640 devices.

1. **Locate** the two pin connector with one black wire and one blue + white wire for either wiring harness.

2. **Cut** the 2-PIN connector **(Fig.1)** for your specific wiring harness. 2-PIN connection is same for both cable types.
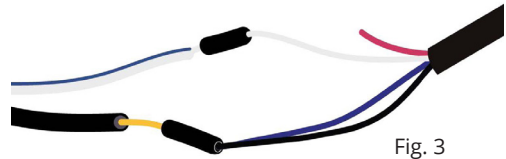

5C260

Fig.1

5C360

3. **Connect** white + blue cable from device to white cable from temperature sensor probe. **(Fig.2)**

4. **Connect** black cable from temperature probe to blue and black cables from device. **(Fig.2)**

Temperature Sensor	Device
Blue + Black	Black
White	White + Blue
Red *(not in use)*	

Device Wire Harness

Temp Sensor

White connect to White/Blue on device

Blue + Black connect to Black on device

Fig. 2

Additional Wiring:

From the 5C260/5C360 wiring harness (or directly from the MF2830), Power (red) and Ground (black) will be installed to vehicle power (12V). Ground and ignition

Fig. 3

sense wire (white) shall be installed into the ignition system or similar such that when the vehicle ignition is ON, voltage is supplied to the white wire and when ignition is OFF, voltage is removed from the white wire. A single temperature probe (or multiple probes) can be connected to same location utilizing the black wire **(Fig.3)**. Below are tables detailing the connection schemes. Utilize 1-Bit Bus Ground and 1-Bit Bus Data of 5C260/5C360/MF2830

Note: If using MF2830 device, temperature probe connects directly to device. You will not need any additional wiring harnesses to connect to probe or vehicle.

One-Sensor Install:

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

Color	Function
White	1-Bit Bus Data
Black	1-Bit Bus Ground
Blue	1-Bit Bus Ground
Red	Floating

Multi-Sensor Install:

Sensor 1 of the chain must be wired as follows.

Color	Function
White	1-Bit Bus Data
Black	1-Bit Bus Ground
Blue	1-Bit Bus Ground
Red	Blue of Next Sensor

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

Color	Function
White	1-Bit Bus Data
Black	1-Bit Bus Ground
Blue	Red of previous Sensor
Red	Blue of Next Sensor

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

Color	Function
White	1-Bit Bus Data
Black	1-Bit Bus Ground
Blue	Red of previous Sensor
Red	Floating