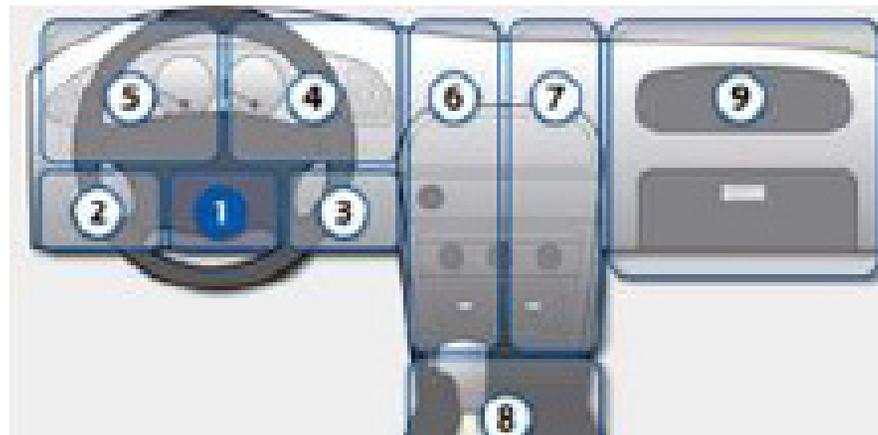


# Installation and servicing of your Fleet Complete FT2

## Mounting your FT2 device

- Ensure device is mounted in a location under your dash using tie straps, the mount should be snug, no wiggle room as this may incur false behavior events
- For optimal GPS and Cellular performance ensure your device is mounted horizontally so the Fleet Complete logo is facing the sky
- Common mounting location are points 1,2,3. In some vehicles a mounting location could be found in points 6,7.
- Common External Antenna mount locations are points 5,4,6,7,9

NOTE: Always connect Device to Diagnostic port while the ignition of the vehicle is OFF to ensure optimal functionality of the modem.



**FT2 Molex Cable**

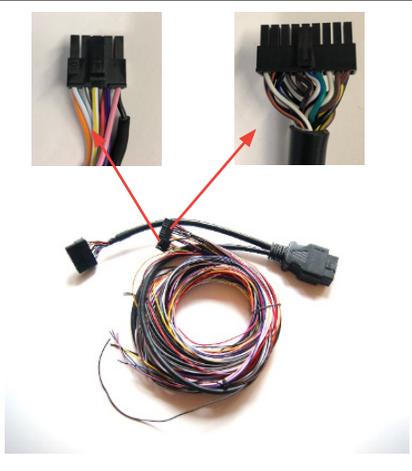
10 Pin Molex	18 Pin Molex	External Antenna (Optional)
		

**FT2 Molex Cable**

**FT2 9 PIN Y Cable**

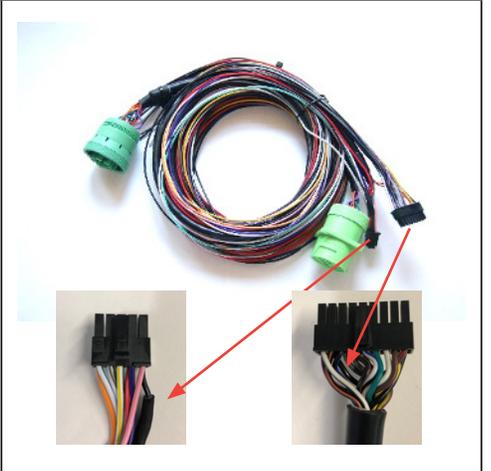
The FT2 OBD Y cable comes with IO's where you can install PTO's, Temperature Sensors, iButton, RFID etc.

Cable also contains wires to hardwire your FT2 device via a three wire install, Power Ground & Ignition



The FT2 OBD Y cable comes with IO's where you can install PTO's, Temperature Sensors, iButton, RFID etc.

Cable also contains wires to hardwire your FT2 device via a three wire install, Power Ground & Ignition



## Hardware Installation

- **Locate the Diagnostic port that is commonly found under steering wheel, driver's side.**



- **Remove Plastic panel by unscrewing bolts, screws or plastic clips giving visibility to wiring leading up to the diagnostic port of vehicle.**
- **Connect Y cable to existing Diagnostic port securing cables with zip ties and replace existing diagnostic fitting with appropriate fitting provided by Fleet Complete.**



## FT2 Molex Cable

- In this example the device was mounted in the center console just in between driver's side dash and passenger side dash.

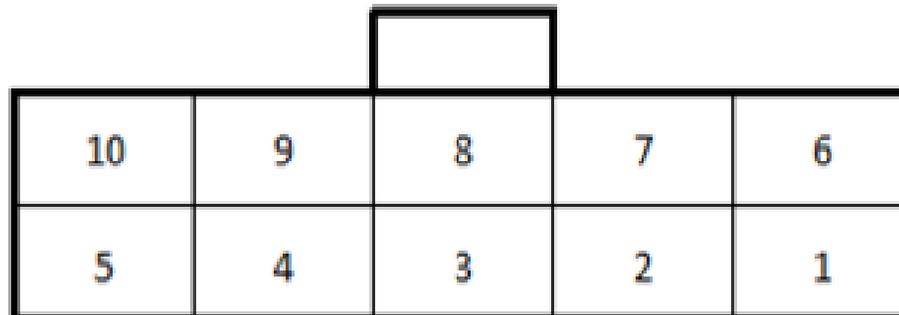


- A secure mount with zip ties is important, little to no wiggle room.



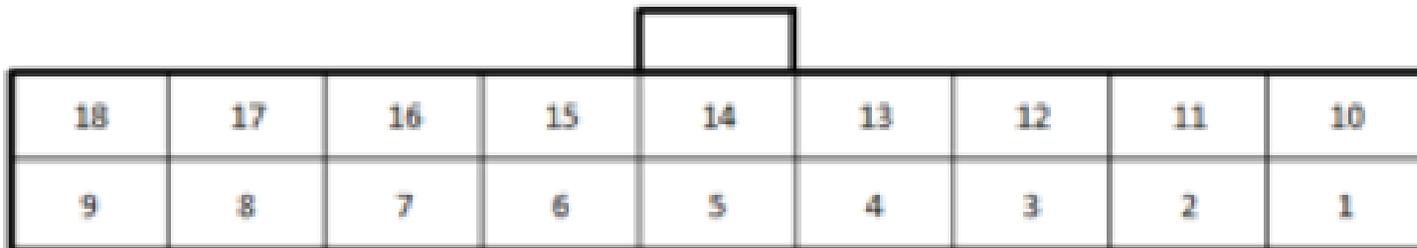
**FT2 - Connector B (10-PIN) cable colour table**

<b>PIN No.</b>	<b>Cable definition</b>	<b>Colour</b>
1	Ground	Black
2	12/24/48V Power In	Red
3	CANH (2.0B or FD) / ISO-15765 or J1939	Grey/Green
4	CANL (2.0B or FD) / ISO-15765 or J1939	Yellow/Grey
5	RS-232 #1 TxD	Orange
6	RS-232 #1 RxD	Pink
7	12V Out (2.5W)	Purple
8	Ignition (+)	White Yellow
9	Digital Input #2 (Programmable Bias)	White/Gray
10	Digital Input #3 (Programmable Bias)	White/Green



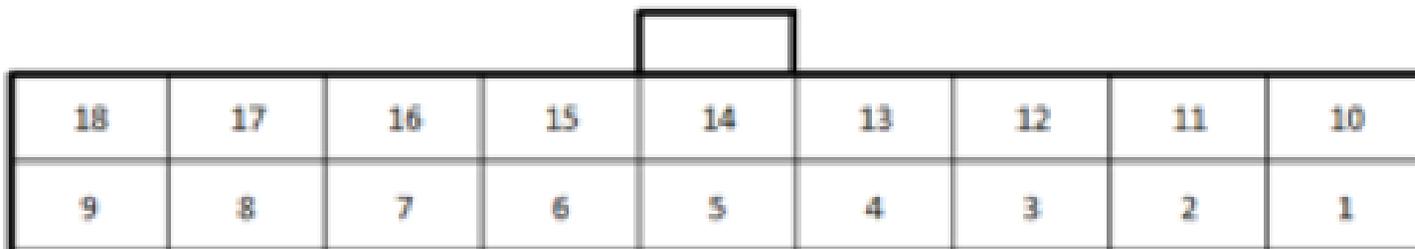
**FT2 - Connector A (18-PIN) cable colour table**

<b>PIN No.</b>	<b>Cable definition</b>	<b>Colour</b>
1	Ground	Black
2	1-wire	Yellow
3	CANH (2.0B) / ISO-15765 or J1939	Orange
4	CANL (2.0B) / ISO-15765 or J1939	Purple
5	ADC#1 (48V)	Brown
6	RS-232 #2 TxD	Grey
7	RS-232 #2 RxD	Grey Brown
8	Ground	Black
9	ADC#2 (48V)	Red



**FT2 - Connector A (18-PIN) cable colour table**

<b>PIN No.</b>	<b>Cable definition</b>	<b>Colour</b>
10	J1708+	Brown/Green
11	J1708-	Brown/Red
12	ISO-9141 K Line	Blue
13	ISO-9141 L Line	White
14	Digital Input #4 (Programable Bias)	White/Blue
15	Digital Output #1 (close to ground)	Black/Brown
16	Digital Output #2 (close to ground)	Black/Blue
17	Digital Output #3 (close to ground)	Black/Orange
18	Digital Input #1 (close to ground)	White/Black



<b>LED</b>	<b>Flash Count</b>	<b>Error</b>	<b>Action</b>
Green	1	Sim Error	Check that sim is inserted correctly, reseal sim or replace with another sim
Green	2	No Network	Check that sim card is inserted correctly, also check that you are in a reasonable coverage area. Check mount location of device and ensure there is no obstruction
Green	3	Unable to register network	Verify if a renewal device or recent device\sim swap, confirm sim inside device and that a rate plan exists Check with fulfillment to ensure Sim is active
Green	4	Service Unreachable	Check for poor coverage location, check that line is Active
Green	5	Service Activation Error	Please Contact Technical Support @ 1-800-220-0779
Green	5	Service Sync failure	Check with fulfillment the sim is active with a rate plan, Power cycle unit by unplugging device and unplugging internal back up battery

Blue	3	GPS Signal Weak	Check mount location of device also check for poor coverage area
Red	4	Battery too low to transmit	Using a voltage meter check constant power from Diagnostic port (this may require professional installer assistance)
Red	5	Error reading telematics data	Power cycle unit by unplugging device and unplugging internal back up battery. Leverage hardware support if problem persists
Red	10	Other system error	Please Contact Technical Support @ 1-800-220-0779