KWR - 005

Extended Manual

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Getting Started

Front View

Wireless Remote Antenna Connection Port

Bluetooth Antenna Connection Port

Pair/Reset Button

Power On/Off Switch

Front View

- **Wireless Remote Antenna Connection Port**: Used with the included antenna to extend the unit's wireless signal

- **Bluetooth Antenna Connection Port**: Used with the included antenna to extend the unit's Bluetooth signal

- **Pairing / Reset Button**: Used to pair a new key fob. Also used to clear the unit's memory of paired key fobs and phones (See page 14 & 15)

- **Power On/Off Switch**: Used to power on/off the KWR-005 unit for operation. It is highly recommended to power off your unit when the KWR-005 unit is not in use

Back View

Indicator Light

Back View

- **Indicator Light - Status Explanations**

    - **Blinking green** – The unit is receiving power and is ready to communicate with a key fob / Bluetooth device
        - *Quick-pace blinking* – ready for pairing / connection
        - *Slow-pace blinking* – connected to a mobile device

    - **Solid Red** – The unit is not receiving enough power (voltage is lower than 9V). A continuous beep sound will accompany the solid red indicator light until the unit is powered down, or receives the correct amount of power
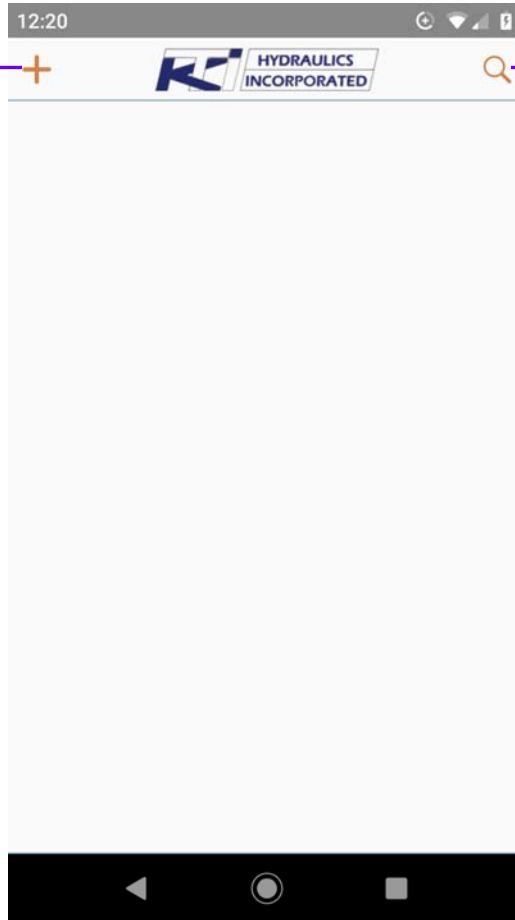
Key Fob

Signal Light / Battery Status

Power Up Button

Power Down Button

Unused

Key Fob

- **Power Up**: This will send a Power Up signal to the KWR-005 unit

- **Power Down**: This will send a Power Down signal to the KWR-005 unit

- **Signal Light / Battery Status**: When either the Power Up or Power Down button is pressed, this will have a solid light to indicate that the signal is being sent.
  - If the light is flashing while a button is pressed, it means the battery power is low and will need to be replaced soon

- **Unused**: These buttons do not communicate with the KWR-005 unit

Android / IOS Bluetooth KTI App

Pair New Device ——

List Available Paired Devices

Android / IOS Bluetooth App

- **Pair New Device**: This will access the phone's camera to scan for the KWR-005's QR code, which is located on

1. The KWR-005 unit itself

2. Back of the included key fob

3. The OEM KWR-005 Box

When asked for the passcode to pair with the device use "123456" (without the quotes)

Android / IOS Bluetooth App (contd.)

- **List Available Paired Device**: This will search the surrounding area for previously paired KWR-005 units and will list them for selection if the units are available. This is used when you have to select between multiple KWR-005 that are in range

Using the KWR-005

Basic Operation

- Make sure you are within 30 ft of the KWR-005 unit with a clear line of sight. If you are outside 30 ft or do not have a clear line of sight, pairing or operating the KWR-005 will fail

- You cannot simultaneously use the BluetoothKTI app concurrently with the key fob
  - The KWR-005 unit will favor the Bluetooth device if it successfully connected. You must close the BluetoothKTI app on your device if you wish to operate the KWR-005 with the key fob

- **Sleep Mode** – If the KWR-005 unit is powered on and left idle for 5 minutes, the indicator light will stop blinking green. Press any key on a key fob to wake up the unit

Pairing a new key fob with the KWR-005 unit

If you want to pair an additional key fob to a single receiver.

1. Locate the Pair / Reset Button on the KWR-005 device. Press and hold the button for **3 seconds.** Release the button

Pair/Reset Button

2. On the new key fob that you wish to pair, press either the Power Up or Power Down button once

3. After waiting two seconds, the newly paired key fob should be be able to communicate with the KWR-005 device if the pairing was successful

Clearing KWR-005 Memory of Previously Paired Key Fobs

1. Locate the Pair / Reset Button on the KWR-005 device. Press and hold the button for **<u>10 seconds</u>.** Release the button

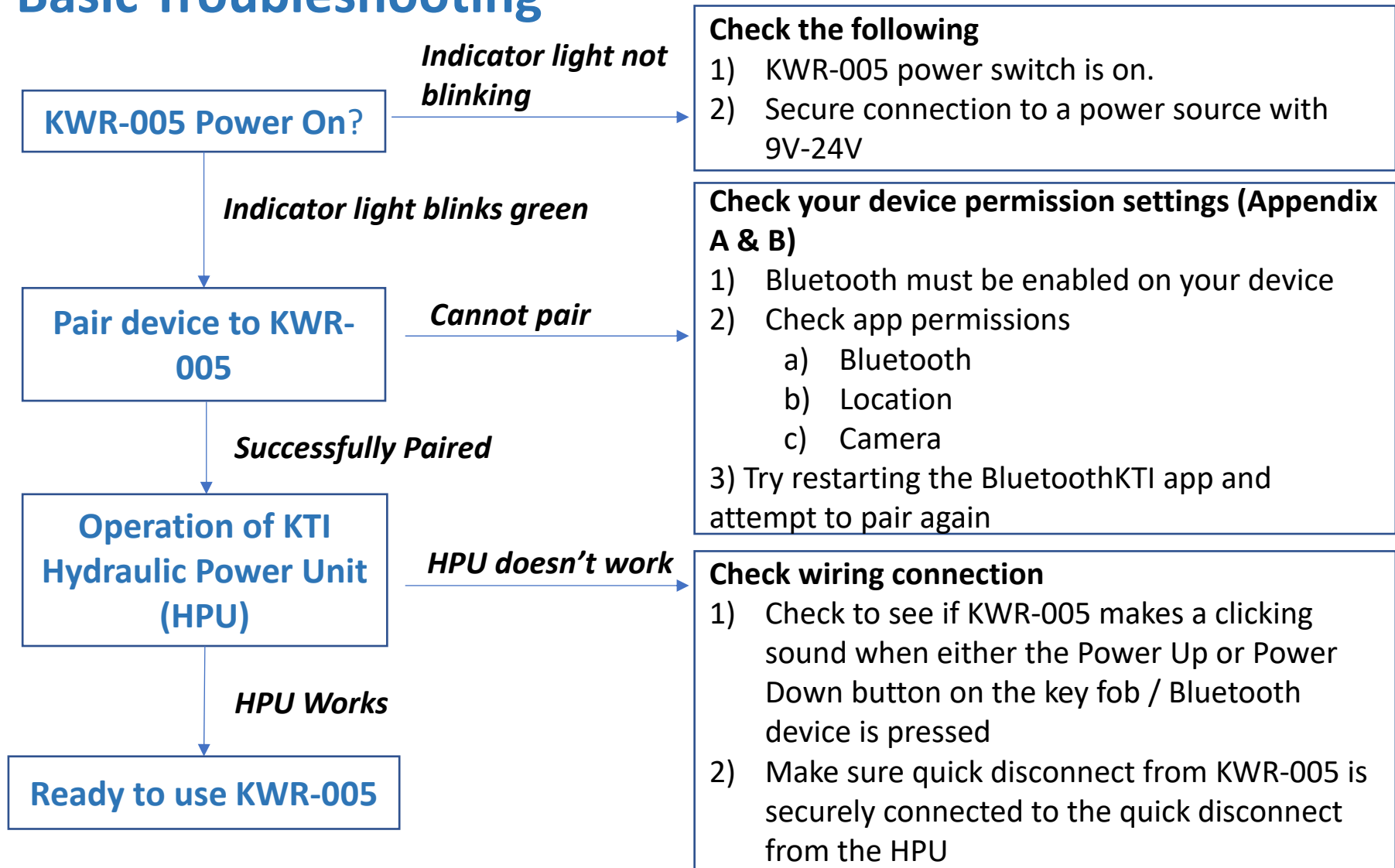**Pair/Reset Button**

If the reset was successful, all previously paired key fobs will be unable to communicate with the KWR-005 device

Clearing KWR-005 Memory of Previously Paired Key Fobs + Bluetooth Devices

1. Locate the Pair / Reset Button on the KWR-005 device. Press and hold the button for **<u>25 seconds</u>.** Release the button

 Pair/Reset Button

If the reset was successful, all previously paired key fobs and phones will be unable to communicate with the KWR-005 device.

Note: After clearing the KWR-005's memory using this method, your paired Bluetooth device may not re-connect. Please see Troubleshooting Guide (pg 24 for Android, pg 28 for iOS) for more details on how to forget the KWR-005 device.   After performing those steps, you should be able to re-pair to the KWR-005 again through Bluetooth.

Troubleshooting

Basic Troubleshooting

KWR-005 Power On?

Indicator light not blinking →

Check the following
1) KWR-005 power switch is on.
2) Secure connection to a power source with 9V-24V

Indicator light blinks green ↓

Pair device to KWR-005

Cannot pair →

Check your device permission settings (Appendix A & B)
1) Bluetooth must be enabled on your device
2) Check app permissions
   a) Bluetooth
   b) Location
   c) Camera
3) Try restarting the BluetoothKTI app and attempt to pair again

Successfully Paired ↓

Operation of KTI Hydraulic Power Unit (HPU)

HPU doesn't work →

Check wiring connection
1) Check to see if KWR-005 makes a clicking sound when either the Power Up or Power Down button on the key fob / Bluetooth device is pressed
2) Make sure quick disconnect from KWR-005 is securely connected to the quick disconnect from the HPU

HPU Works ↓

Ready to use KWR-005

Typical Problems / Error Messages

Connection Failed / QR Code Mismatch / No equipment/device is found

These messages are typically encountered when
- There is no power connected or the KWR-005 unit is powered off
- Bluetooth is turned off on your device
- Permissions were not granted to the BluetoothKTI app
- KWR-005 is in sleep mode
- Another device or key fob is currently paired with the KWR-005 and operating the unit

Typical Problems / Error Messages

Connection Failed / QR Code Mismatch / No equipment/device is found (cont)

Possible Solutions

1. Check to make sure that the KWR-005 unit is powered on and the indicator light is blinking green
2. Make sure the Bluetooth application has the correct permissions to access functionality on your device
3. Wake up the device by pressing a button on the key fob, or by turning the KWR-005 unit off and on
4. Make sure no other devices are being used for at least 5 seconds before attempting to pair or connect to the KWR-005 device

Appendices

Appendix A – Android Device Setup

Turn on/off Bluetooth on your Android device

1. Open the Quick Settings menu. This is typically done by swiping down from top of your device
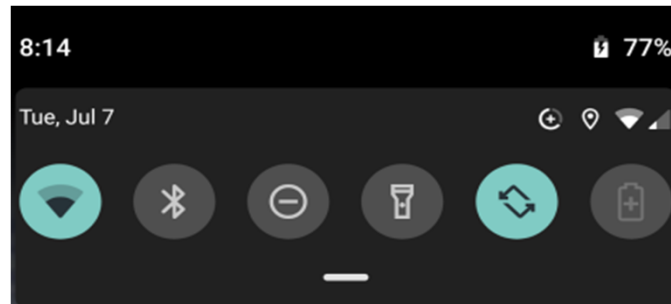
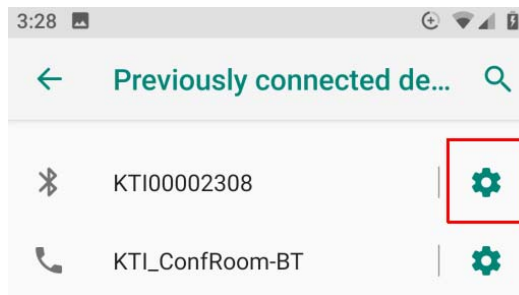2. Locate the Bluetooth Symbol and check to see if it is turned on. If it is not, simply tap the Bluetooth symbol
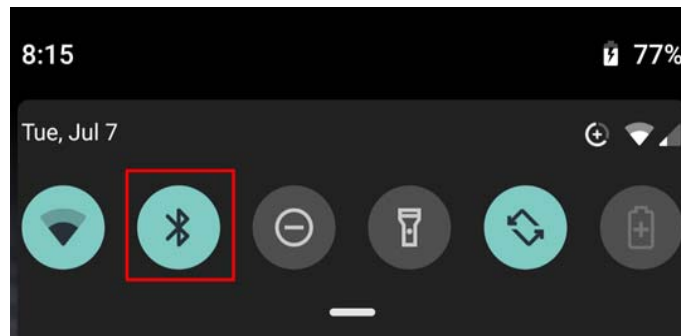
Checking Application Permissions for the BluetoothKTI App

1. On your Android device, select "Settings"
2. Select "Apps & notifications"
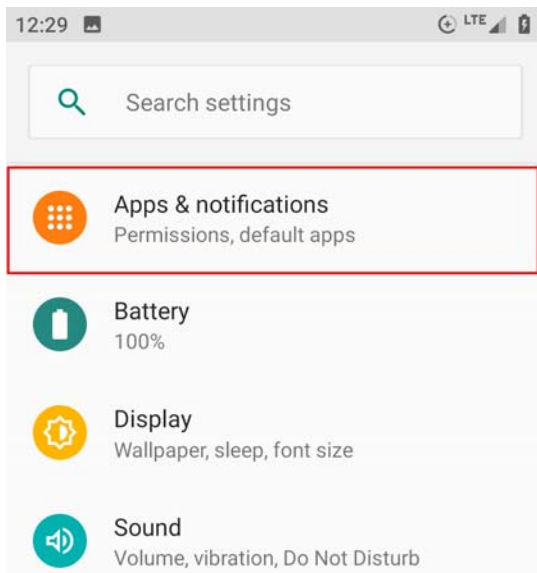
3. Find the app "BluetoothKTI" and select it
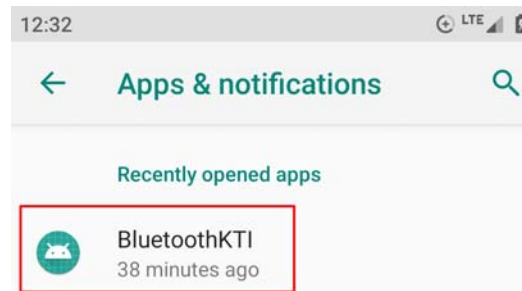
4. Select "Permissions"
5. Both "Camera" and "Location" must be enabled. If these are not enabled, the application will not work correctly
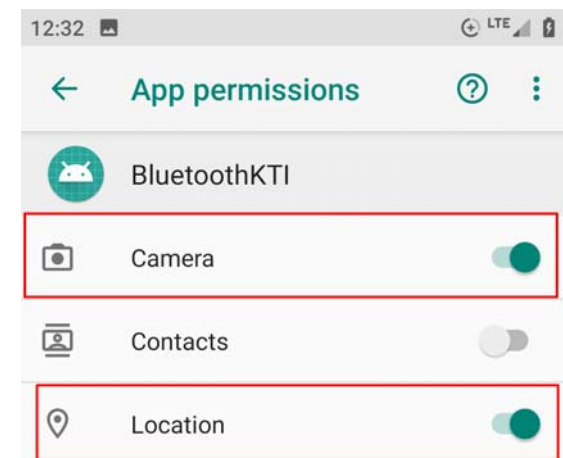
Checking Android Location Permissions

1. On your Android device, select "Settings"
2. Select "Security & Location"
3. The "Use Location" setting should be on"
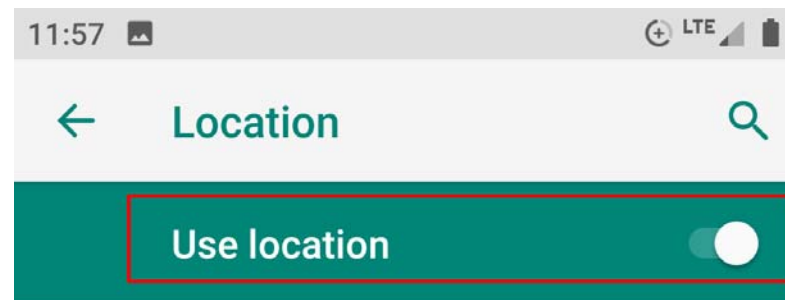
Forget previously paired Bluetooth device after clearing KWR-005 memory

This method is used after clearing KWR-005's memory of Bluetooth devices using the method provided on page 15

1. Open the Quick Settings menu. This is typically done by swiping down from top of your device
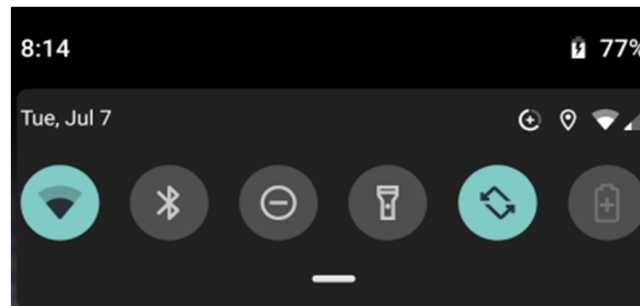
2. Locate the Bluetooth Symbol and press and hold the icon
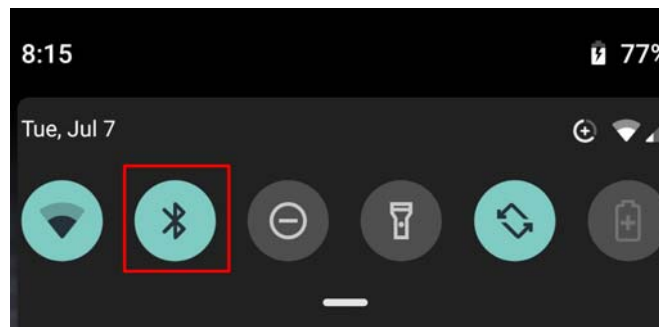
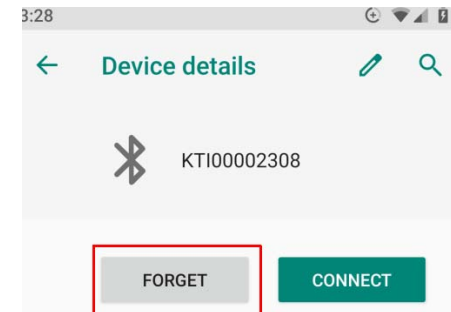# Forget previously paired Bluetooth device after clearing KWR-005 memory (contd.)

3. Select "Previously connected devices"
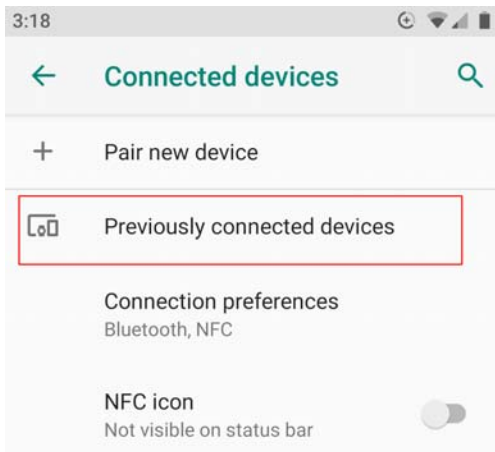
4. Find the device number of your unit (pg 9 describes where to find this info) and select the gear icon

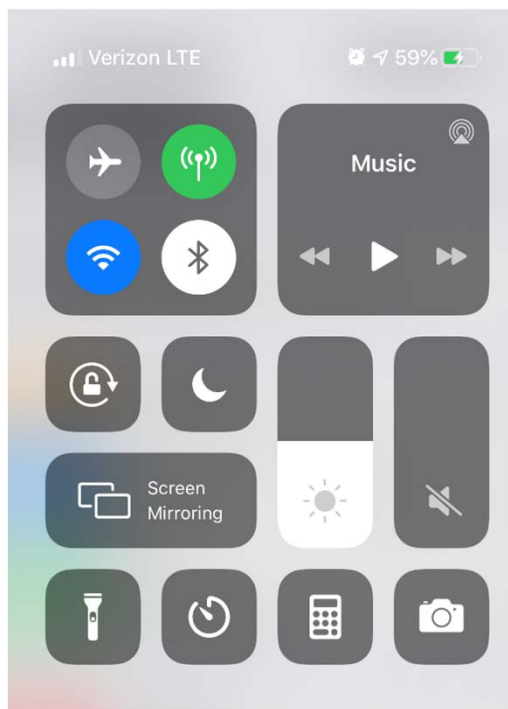5. Select "Forget" and then "Forget Device" when prompted
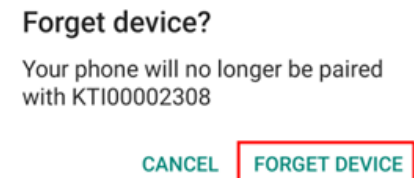
Following completion of this method, you should be able to pair and connect your Bluetooth device to the KWR-005 unit

Appendix B – IOS Device Setup

Turn on/off Bluetooth on your IOS device

1. Open the Control Center menu.

- **On iPhone X** or later, swipe down from the top-right corner of your screen

- **On iPhone SE (2nd generation), iPhone 8 or earlier, or iPod touch**, swipe up from the bottom edge of your screen

2. Locate the Bluetooth Symbol and check to see if it is turned on. If it is not, simply tap the Bluetooth symbol
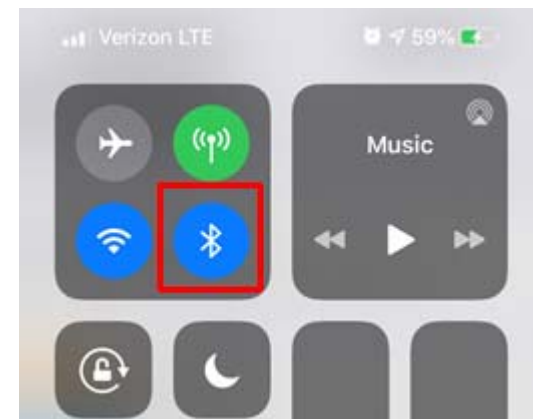
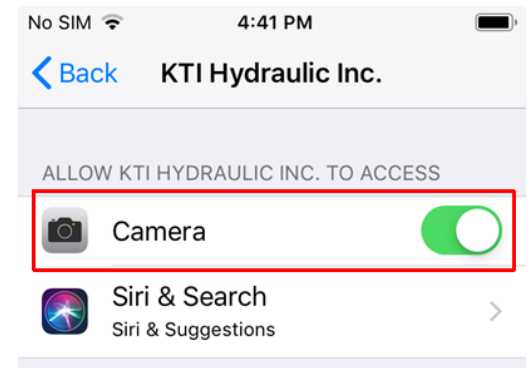# Checking application permissions for the BluetoothKTI app

1. On your IOS device, go to "Settings" ⚙️
2. Scroll down and find the app "KTI Hydraulics Inc." and select it
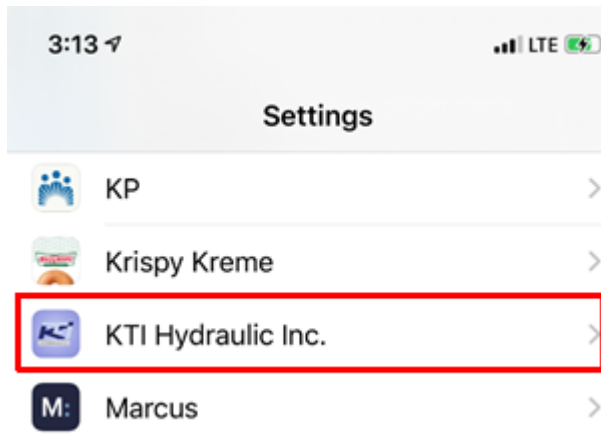
3a. On iOS 13+, "Bluetooth" and "Camera" must be enabled. If these are not enabled, the application will not work correctly

3b. On iOS 12 and previous versions, only Camera needs to be enabled

Forget previously paired Bluetooth device after clearing KWR-005 memory

This method is used after clearing KWR-005's memory of Bluetooth devices using the method provided on page 15

1. Open Settings
2. Select "Bluetooth"

3. Select the "i" icon next to the identification number of the KTI device you wish to forget
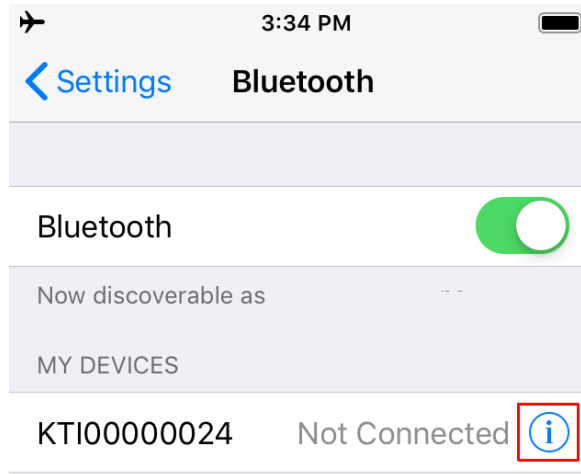
4. Select "Forget this Device" and then "Forget Device" when prompted