INSTALLATION INSTRUCTIONS

BAZZAZ®

UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

1>READ

WARNINGS > INSTALLING

- We strongly suggest that an experienced technician install this product.
- Read through all instructions before beginning installation.
- This document is intended for use by qualified technicians.
- This is not a replacement for the factory Engine Control Unit (ECU).
- Refer to a factory service manual for more specific stock component identification/location information and removal/assembly procedures.

WARNINGS > USING

- Use only in race or other closed-course applications and never on public roads.
- Z-Fi products are not certified by the California Air Resource Board (CARB) for use on CA public lands.
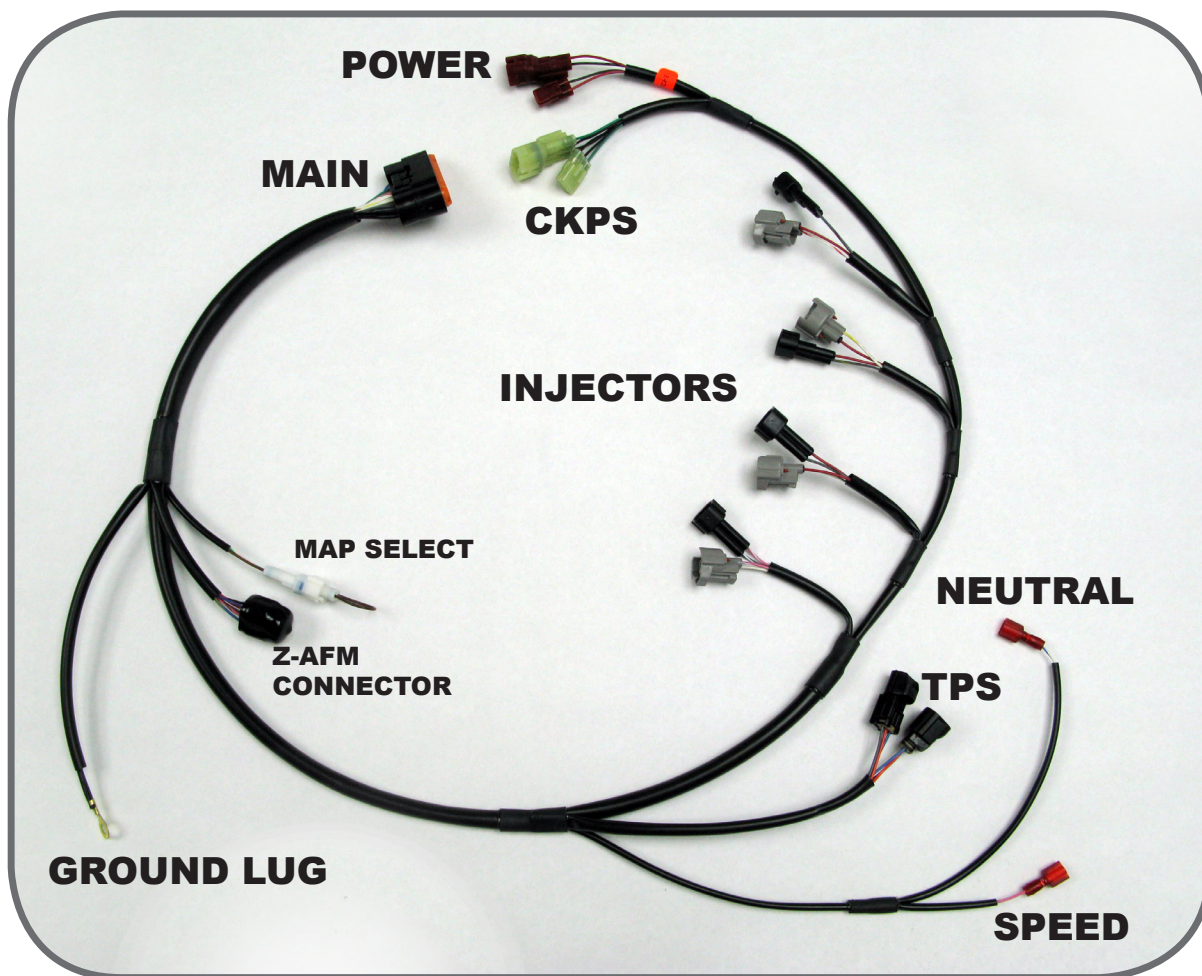
GETTING HELP

- Factory support is available in the US at 909-597-8300.
- For fastest support outside of the US, find your local importer at bazzaz.net.

2>IDENTIFY

INCLUDED PARTS

1. Z-Fi control unit
2. Fuel harness
3. USB cable
4. O2 eliminator
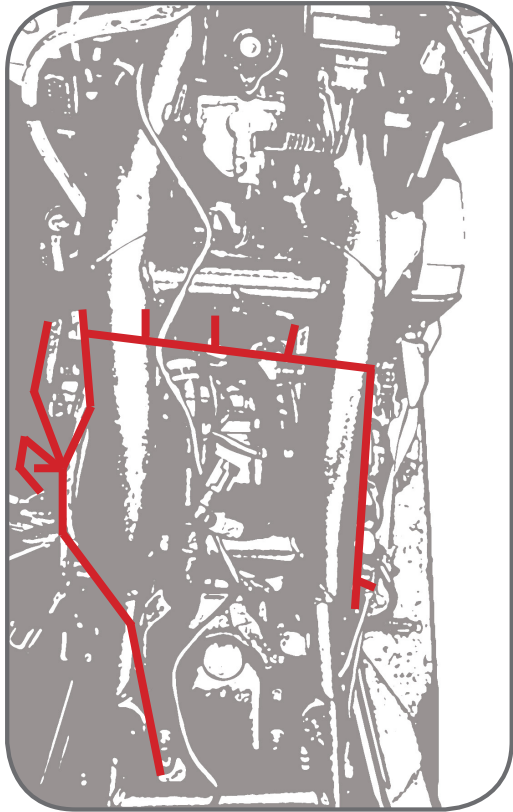5. Scotchlok (2)
6. Zip ties
7. Velcro

FUEL HARNESS

POWER

MAIN

CKPS

INJECTORS

MAP SELECT

Z-AFM CONNECTOR

NEUTRAL

TPS

GROUND LUG

SPEED

3>REMOVE

1. Seats
2. Fuel tank
3. Side panels

4>SECURE

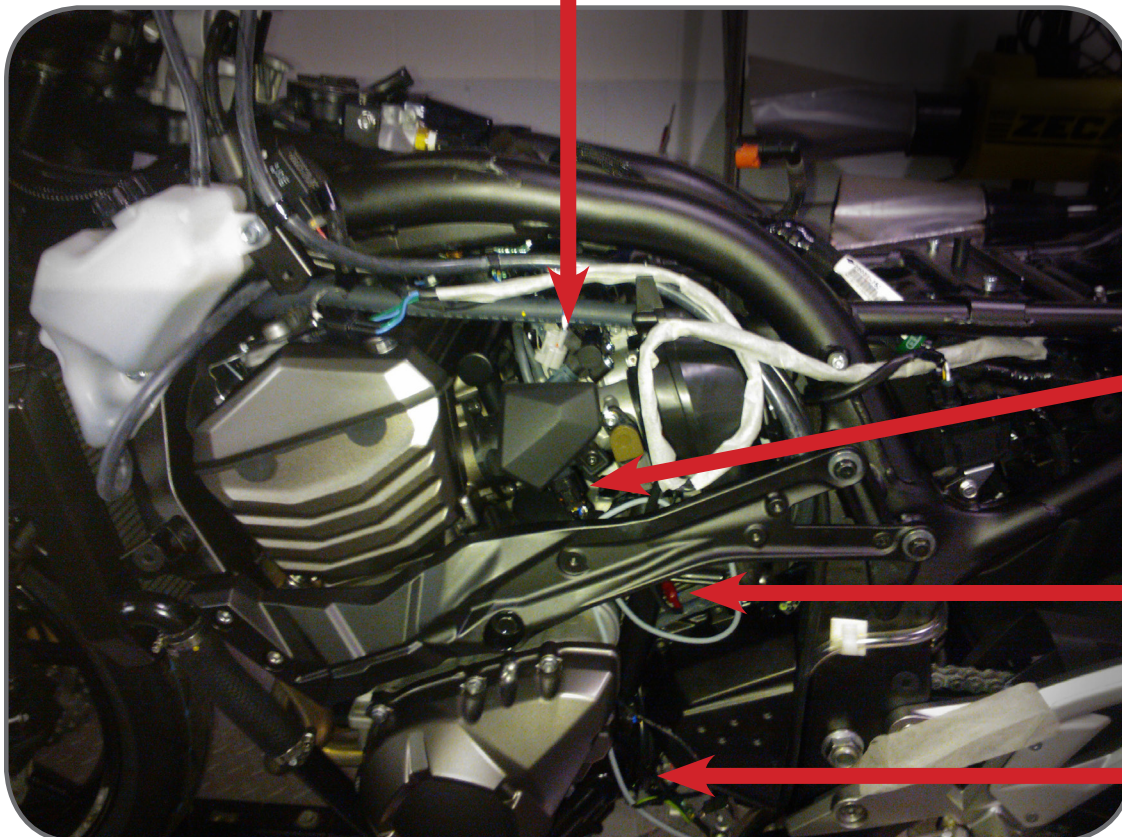1. Mount the control unit in the tail section of the motorcycle.

5>CONNECT

5.1

1. Connect the main connector of the Bazzaz fuel harness to the control unit.
2. Begin to route the harness foward, on the left side of the motorcycle.

INJECTORS

TPS
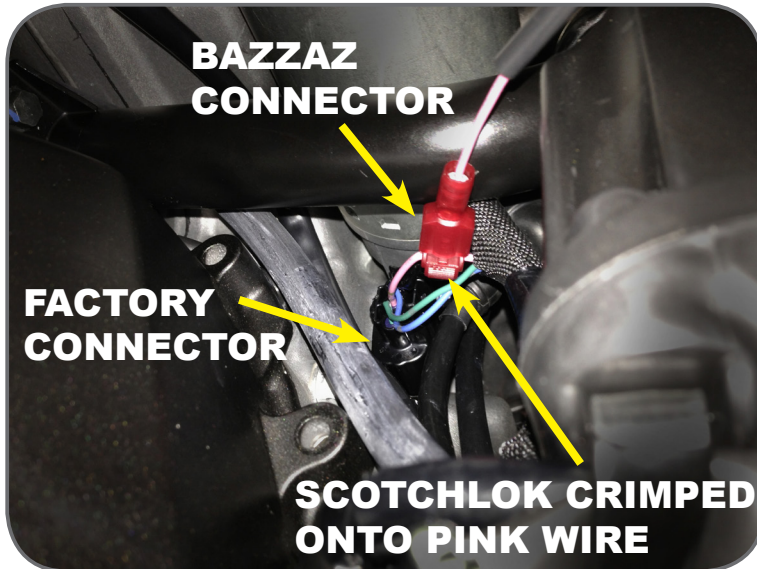
SPEED

NEUTRAL

5>CONNECT (CONT.)

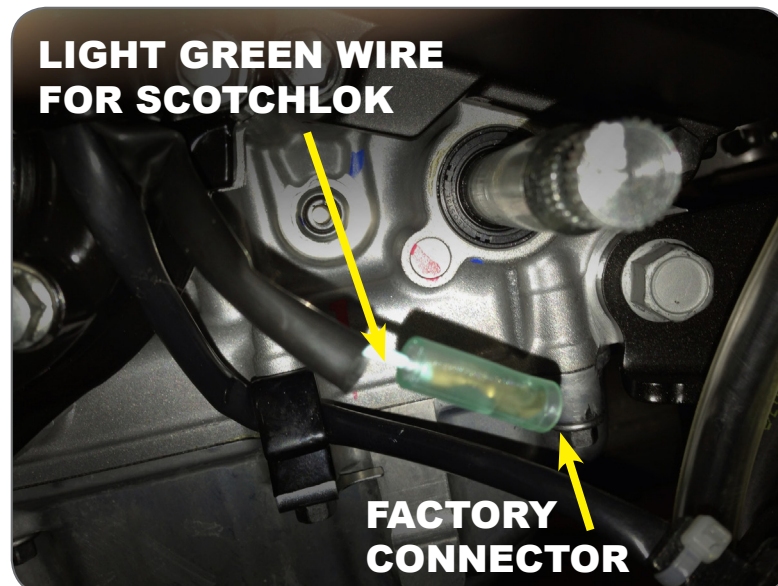## 5.2

1. Locate the factory speed sensor, found above the front sprocket cover.
2. Crimp a supplied Scotchlok onto the <mark>pink</mark> wire of the factory speed sensor connector.
3. Insert the Bazzaz speed connector into the Scotchlok.

BAZZAZ CONNECTOR

FACTORY CONNECTOR
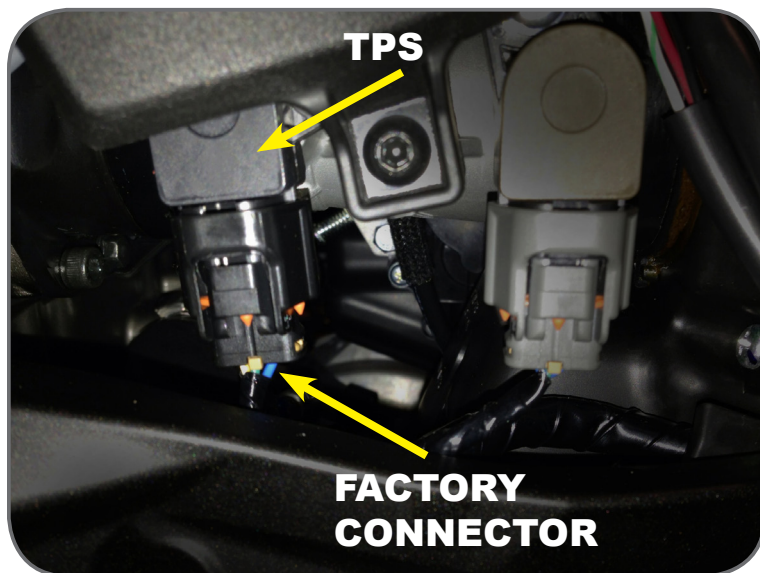
SCOTCHLOK CRIMPED ONTO PINK WIRE

5.3

1. Locate the factory neutral sensor, found below the front sprocket cover.
2. Crimp a supplied Scotchlok onto the <mark>light green</mark> wire of the factory neutral connector.
3. Insert the Bazzaz neutral connector in the Scotchlok (not shown in photo below).

LIGHT GREEN WIRE FOR SCOTCHLOK

FACTORY CONNECTOR

5>CONNECT (CONT.)
5.4

1. Locate the black factory Throttle Position Sensor (TPS), found on the left side of the throttle bodies.
3. Disconnect the factory TPS connector from the sensor.
4. Connect the Bazzaz TPS connectors in-line, between the factory connector and sensor.

Photo shown is a 'before' image. The disconnect and reconnection of the Bazzaz connectors plugged in-line is not shown.
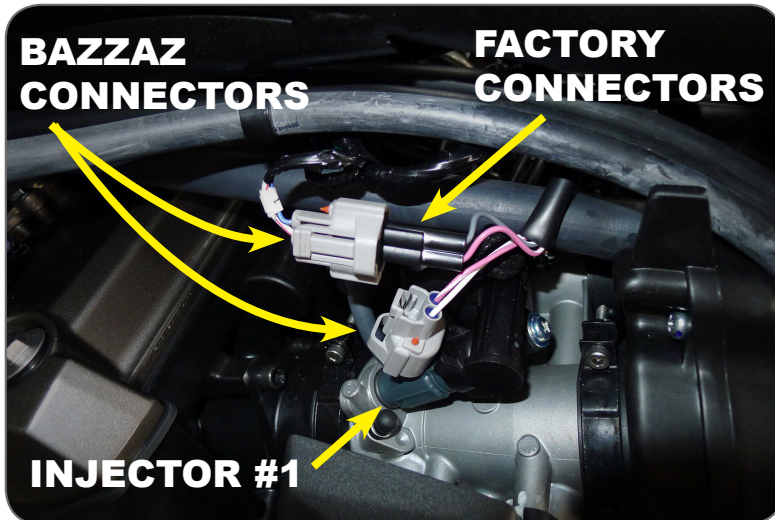
6>GROUND

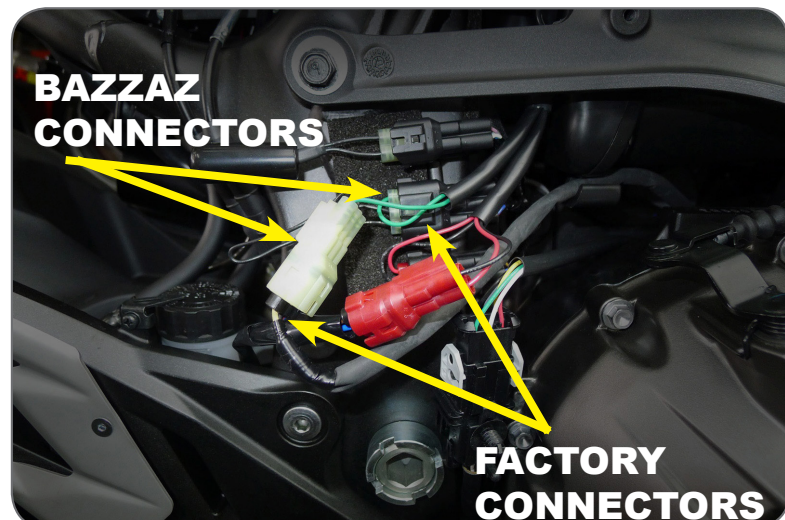1. Attach the Bazzaz ground lug to a suitable chassis ground.

7>CONNECT

7.1

1. Locate the factory injectors.
2. From left to right, disconnect the factory injector connectors from each injector.
3. Connect the Bazzaz injector connectors in-line, between the factory connectors and injectors.

BAZZAZ CONNECTORS

FACTORY CONNECTORS

INJECTOR #1

Photo shown is the installation on injector #1. Continue procedure on injectors #2 through 4.

7.2

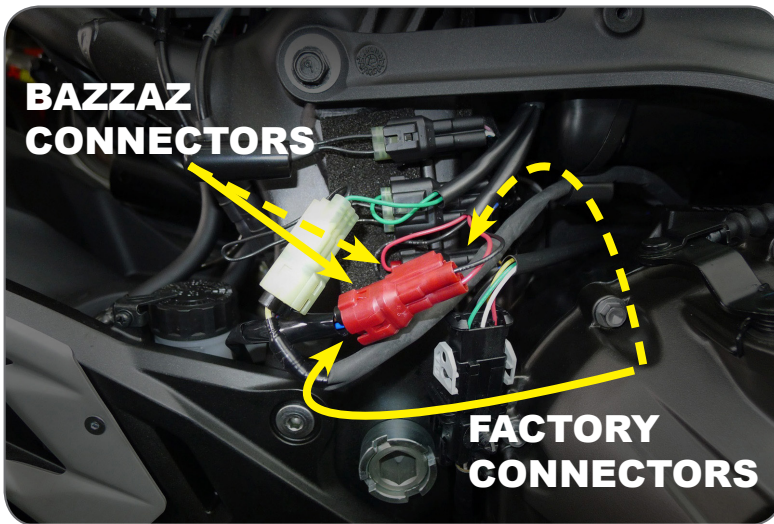1. Route the remaining portion of the Bazzaz harness down to the right side of the motorcycle.
2. Find the location where the factory O2 sensor connector, Crank Position Sensor (CKPS) connectors, and brake light switch connectors are secured to the frame.
3. Disconnect the factory CKPS connectors.
4. Connect the Bazzaz CKPS connectors in-line with the factory CKPS connectors.

BAZZAZ CONNECTORS

FACTORY CONNECTORS
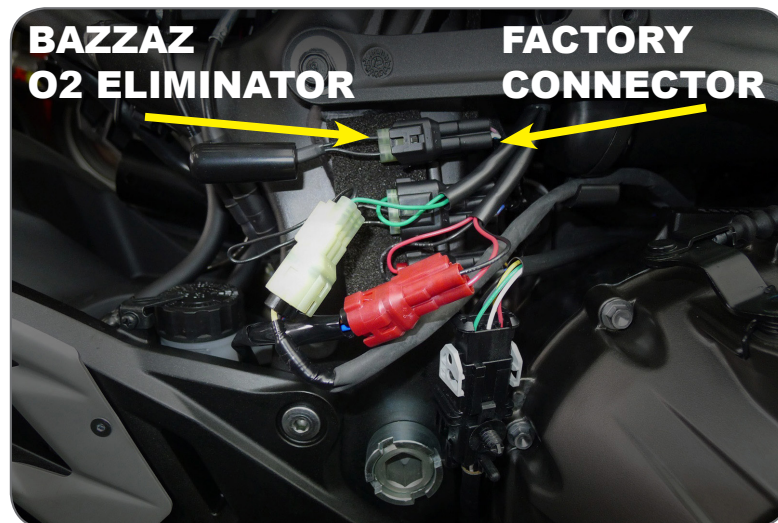
7>CONNECT (CONT.)

7.3

1. Disconnect the factory brake light connectors.
2. Connect the Bazzaz +12V switched power connectors in-line with the factory brake light switch connectors.

BAZZAZ CONNECTORS

FACTORY CONNECTORS

8>O2 SENSOR

1. Disconnect the O2 sensor connector from the factory harness, as it will no longer be used.
2. The wires should be neatly secured away from any moving components, or the sensor may be removed and the remaining port / bung in the exhaust can then be plugged.
3. Connect the Bazzaz O2 eliminator in place of the factory sensor connector.

BAZZAZ O2 ELIMINATOR

FACTORY CONNECTOR

9>SECURE

⚠️ Use the supplied cable ties to secure the harness neatly along the routing path free of any moving or hot components (which could cause damage or failure of the system).

10>CHECK

⚠️

1. In order to check that the system is installed correctly, download the Bazzaz Z-Fi Mapper software at bazzaz.net.
2. Plug the USB cable into the control unit and computer.
3. Locate and open the Z-Fi Mapper software.
4. Check that the pre-programmed map matches the model of your bike on the fuel map page within the software. You can switch from map 1 to map 2 by unplugging the map select jumper on the Bazzaz fuel harness. Map 1 will be pre-programmed; depending on your model, there may be a pre-programmed map in the map 2 slot. If map 2 is blank, stock ECU settings are used. Make sure that the jumper is left plugged in or unplugged, depending on which map you choose.
5. Start the vehicle and begin to check that the following inputs read correctly on the fuel map page.

- RPM - Make sure that the RPM is reading near what the vehicle is idling at.
- GPS - The vehicle should read neutral (or whichever gear it is in). For motorcycles that use a Gear Position Sensor, the bike does not need to be running to do this. For motorcycles that use a speed sensor, the wheel must be spinning to read gear properly. This can be checked on a dynamometer or by using a rear stand. Use caution when testing componentry.
- TPS - When throttle is applied, the TPS should read accordingly. Fly-by-wire models must be running to check TPS. Normal cable operated throttles can be checked with just the key on, not running.

Also use software to:

- View and/or make adjustments to fuel maps
- Activate Z-AFM self mapper (sold separately)
- Save and load new fuel maps
- Re-calibrate throttle position sensor after throttle modifications
- View diagnostics for troubleshooting

⚠️ If any problem is found, please carefully follow through the installation steps again.

📞 If problem still persists, please contact Bazzaz tech support

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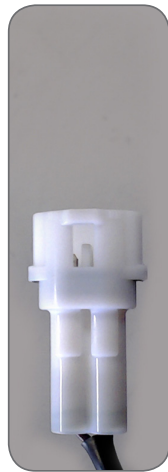
11>REINSTALL

After it is determined that everything is correct, reinstall the components removed in step 3.

12>USE

MAP 1　　**MAP 2**

MAPS

The Bazzaz controller is capable of storing two maps.

Switch maps by connecting or disconnecting the map select jumper supplied with the kit.

Or use the optional handlebar-mounted switch to switch maps on the fly (sold separately).

13>NEXT LEVEL

MAP SELECT SWITCH

Purchased separately.   **79.95**

Switch maps on the fly with this handlebar-mounted switch.
Weatherproof toggle and easy installation.

Z AFM
SELF MAPPER

Purchased separately.

Build race-level
fuel maps for your
specific modifications,
fuel type, engine,
and atmospheric
conditions simply
while riding.

02 sensor mounts into
exhaust and control
box easily plugs in
to any Bazzaz Z-Fi
product.

299.95

BAZZAZ ®

POWER · INJECTED

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Proudly made in the
United States

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