# INSTALLATION INSTRUCTIONS

BAZZAZ

# UNLEASH.

THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

ZFi FUEL MANAGEMENT

ZFi TC FUEL + QS + TRACTION CONTROL

## KAWASAKI ZX10R | 2016
## F4414 | T4414

# 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 highways.

## 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.

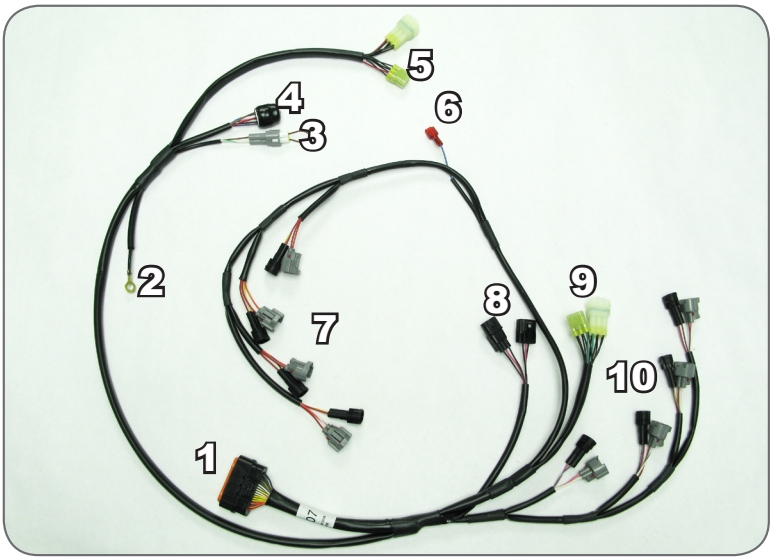
# 2>IDENTIFY

## INCLUDED PARTS

1. Z-Fi/Z-Fi TC control unit
2. Fuel harness
3. Coil harness (For Z-Fi TC only)
4. Shift Switch and mounting hardware (For Z-Fi TC only)
5. USB cable
6. Swingarm stickers
7. Download Bazzaz software from bazzaz.net/index.php/software-overview

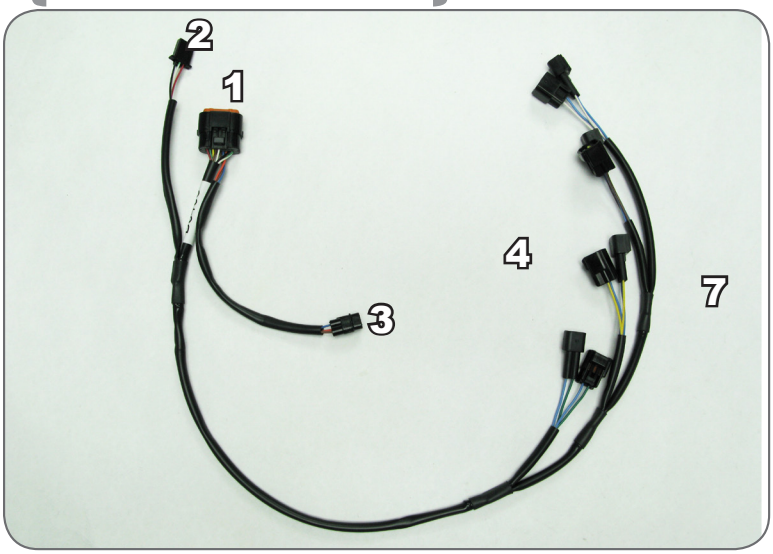
# FUEL HARNESS

1. Main
2. Ground
3. Map Select
4. ZAFM
5. +12v Switch Power
6. TPS
7. Upper Injectors
8. GPS
9. CKPS
10. Lower Injectors




# COIL HARNESS (Z-FI TC ONLY)

1. Main
2. Shift Switch
3. TC Adjust Switch
4. Coils

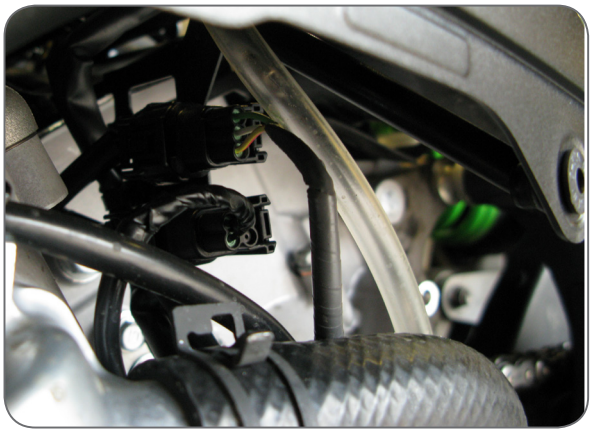


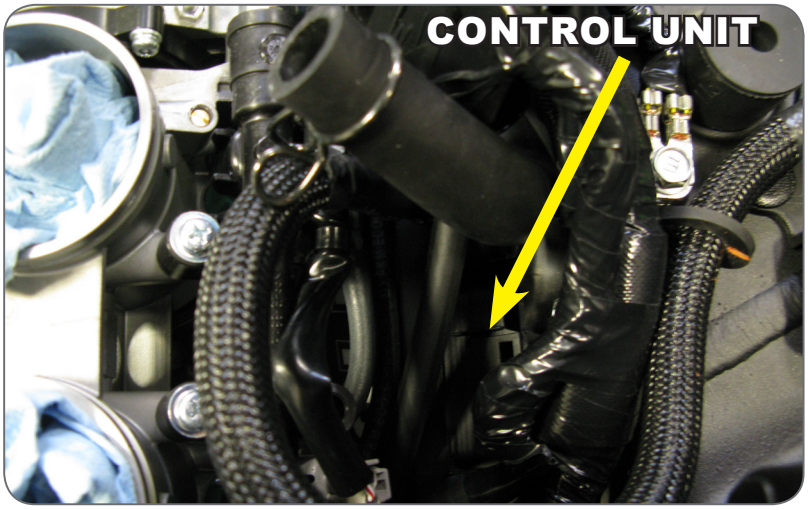
# 3>REMOVE

1. Rider and passenger seat
2. Fuel tank
3. Air box

# 4>SECURE

1. Remove the factory GPS/shift switch bracket.
2. The Bazzaz control unit will be secured beneath the throttle bodies above the black rubber mat.
3. Once the unit is fitted install the bracket to its proper location.

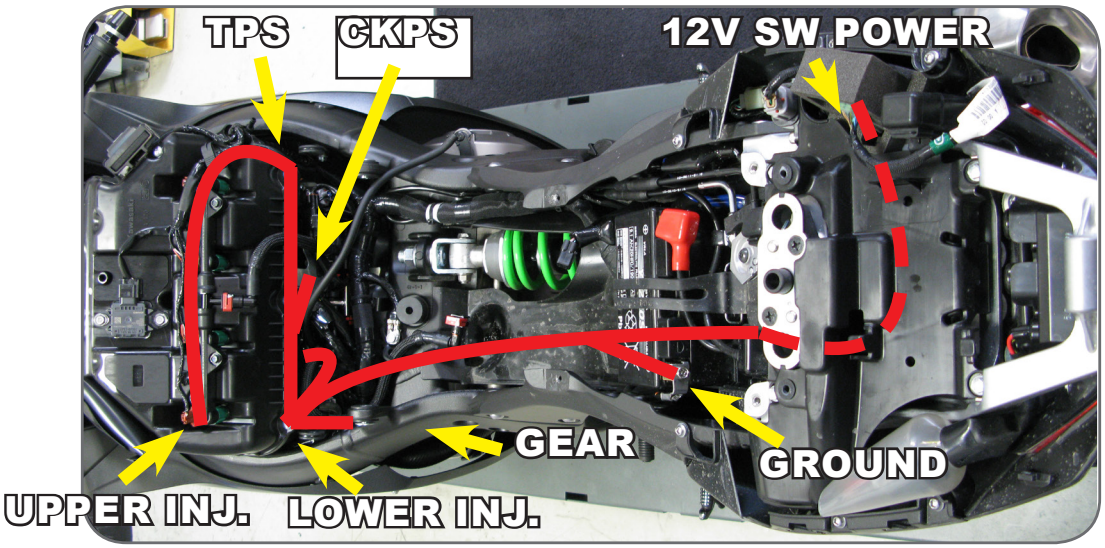





# 5>CONNECT

## 5.1

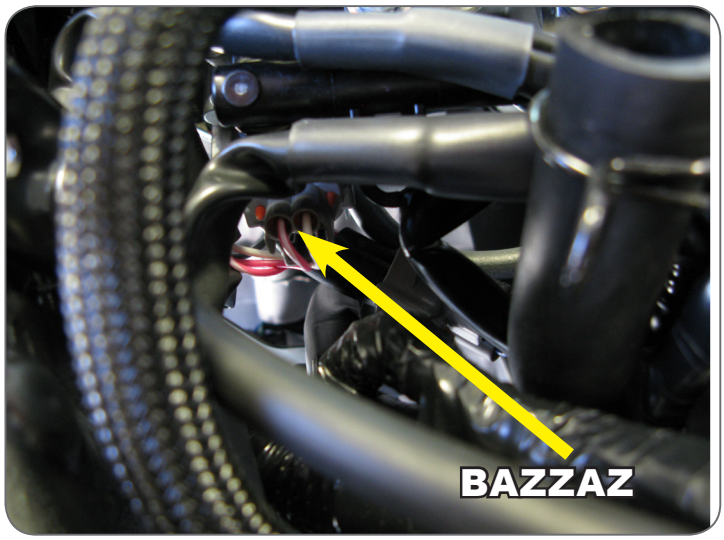
1. Connect the Bazzaz fuel harness to the control unit and begin routing the harness as shown in the picture.



# 5>CONNECT (CONT.)

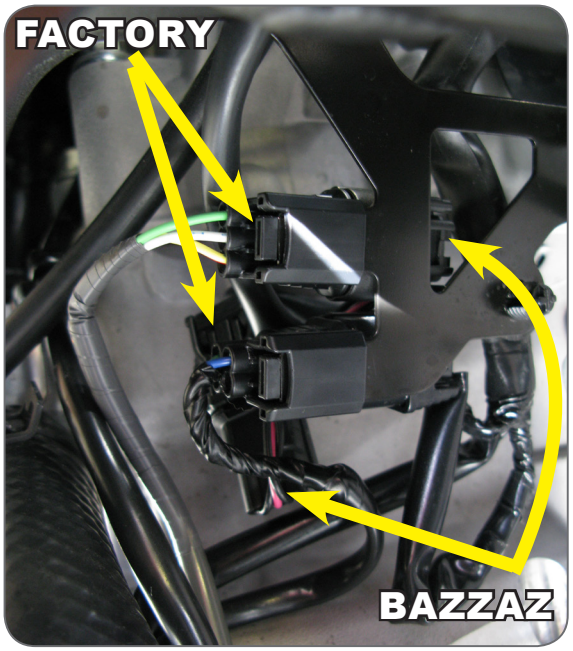
## 5.2

1. Locate the factory injector connector which can be found along the lower fuel rail on the throttle bodies.
2. Once located, begin to connect the Bazzaz lower injector connectors in from left to right.




## 5.3

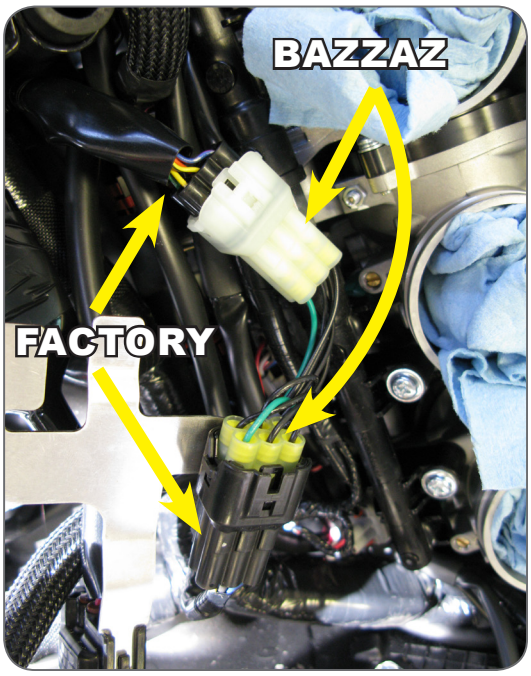
1. Locate the factory black three pin GPS connector, which can be found on the bracket that was removed for the control unit installation.
2. Disconnect the factory GPS connectors and install the Bazzaz GPS connectors inline



# 5>CONNECT (CONT.)

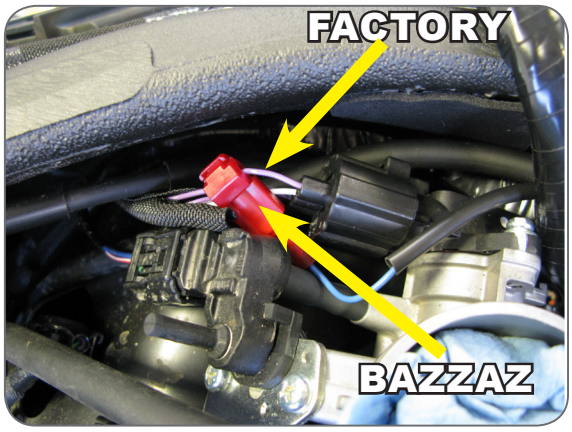
## 5.4

1. Locate the factory bracket which mounts to the back of the airbox.
2. Locate the factory six pin black CKPS connectors.
3. Disconnect the factory CKPS connectors and install the Bazzaz CKPS connectors inline.



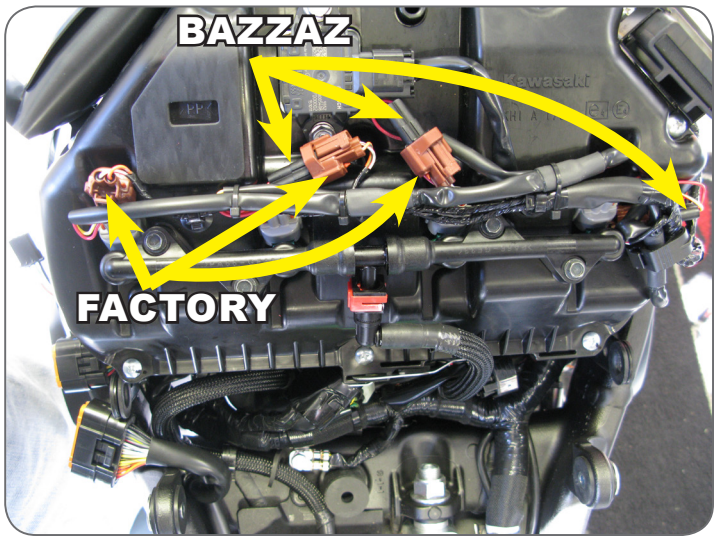

## 5.5

1. Locate the factory TPS connector, which can be found on the right hand side of the bike.
2. Separate the factory purple wire and use the supplied scotchlok to crimp onto the purple wire.
3. Connect the Bazzaz TPS connector.




## 5.6

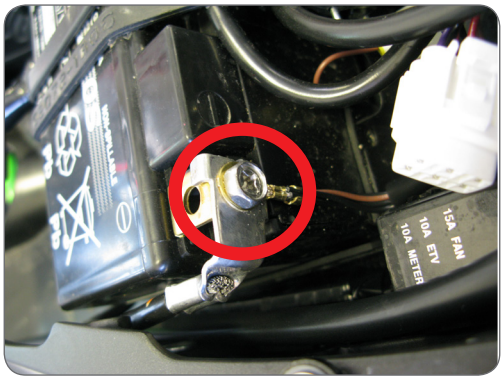
1. Locate the factory upper injector connectors, which can be found on top of the air box along the upper fuel rail.
2. Begin to install the Bazzaz injector connectors inline working from right to left.



# 5>CONNECT (CONT.)

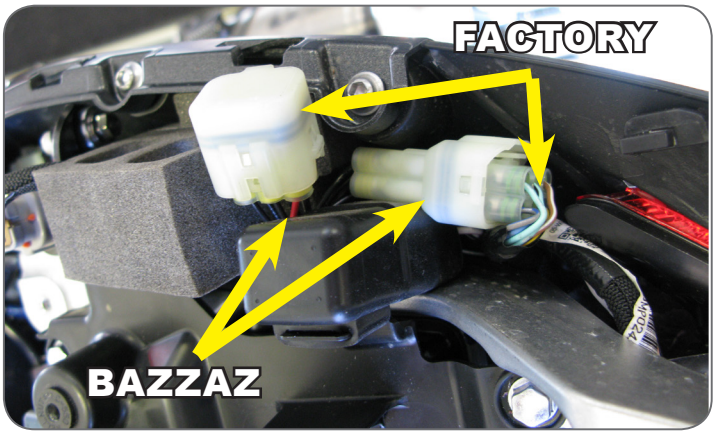
## 5.7

1. Locate the Bazzaz ground lug and install the Bazzaz onto the negative ground post of the battery.




## 5.8

1. Locate the factory six pin diagnostic connector, which can be found mounted within a grey foam block on the right hand side of the bike in the tail section.
2. Disconnect the factory connectors and install the Bazzaz inline.




## 5.9

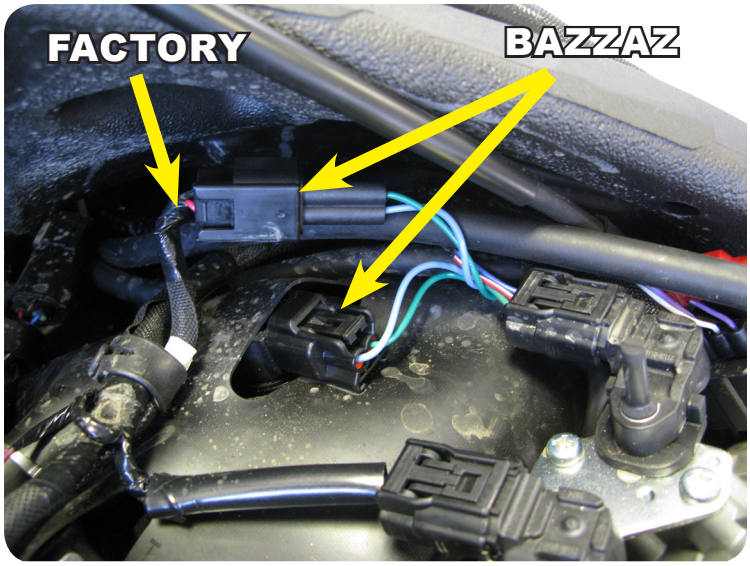
1. Locate the factory O2 sensor connector, which can be found on the same bracket as the CKPS connect which mounts to the back of the airbox.
2. Disconnect the factory 4 pin O2 sensor connector and install the Bazzaz O2 stabilizer inline.

**SECTION 6>CONNECT, AND 7>QUICKSHIFT ARE FOR USE WITH THE BAZZAZ Z-FI TC ONLY!! FOR Z-FI, PLEASE SKIP FORWARD TO SECTION 9>SECURE**

# 6>CONNECT

## 6.1

(FOR USE WITH Z-FI TC ONLY!)

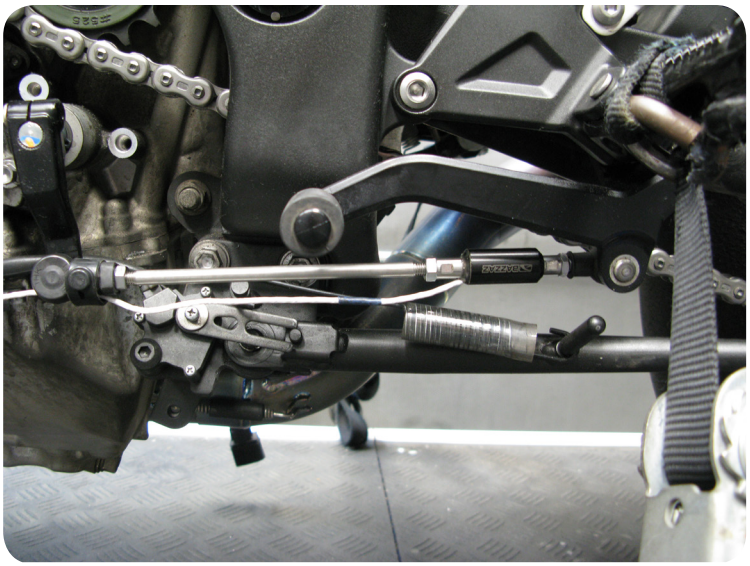



1. Connect the Bazzaz coil harness to the control unit and begin routing the harness along the left hand side of the bike up towards the valve cover.
2. Locate the factory coil connectors and begin to install the Bazzaz coil connectors inline working from left to right.

# 7>QUICKSHIFT

(FOR USE WITH Z-FI TC ONLY!)

1. Measure and note your shift pedal height so you may reposition the shift lever once complete.
2. Remove the factory shift rod and begin to install the Bazzaz shift switch using one of the supplied allen stud bolts and tighten.
3. Begin to install the Bazzaz shift rod. *The shift rod may need to be cut to get your original shift pedal height.*
4. Ensure to retighten all lock nuts on the shift linkage.



5. Once the shift switch is installed, locate the Bazzaz QS eliminator and install into the factory QS connector.

# 11>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).

# 12>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
- Change quickshift settings
- Make traction control adjustments

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

If problem still persists, please contact Bazzaz tech support

- 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

# 13>REINSTALL

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

# 14>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).

# 15>NEXT LEVEL

**Accessories purchased separately.

## MAP SELECT/ TC ADJUST SWITCH

Switch maps on the fly with this handlebar-mounted switch. Quickly adjust traction control settings using a 10-point dial. Weatherproof toggle and easy installation.

**129.95**

## MAP SELECT SWITCH

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

**79.95**

## Z AFM SELF MAPPER

Build race-level fuel maps for your specific modifications, fuel type, engine, and atmospheric conditions simply while riding. O2 sensor mounts into exhaust and control box easily plugs in to any Bazzaz Z-Fi product.


**299.95**

## TC ACTIVE LIGHT

Illuminates when traction control is engaged. Helpful in determining when and where traction control is being actuated.

**79.95**

# NOTES:


# THE SMARTEST PERFORMANCE TUNING TECHNOLOGY

Proudly made in the
United States

## F253 | T253