

### IMPORTANT NOTES ON FITTING YOUR T-REG STREET

**WARNING!** Turbosmart recommends that your fuel T-REG STREET is fitted by an appropriately qualified technician. **Turbosmart accepts no responsibility whatsoever for incorrect installation of this product which is potentially hazardous and can cause serious engine damage or personal injury. IMPORTANT! Ensure there are no leaks in your fuel system after installation.**

### CONTENTS

Please check that the following items have been supplied.

Quantity	Description	Use
1	T-REG Street	Fuel pressure regulator
1	1/8NPT gauge port blank	Blocks the gauge port when gauge is not installed
1	Mounting bracket	Used to mount the T-REG in a suitable location
4	M6X10mm screws	Used to secure the T-REG to the mounting bracket
4	Spring washers	Used underneath the M6 screws securing the T-REG to the mounting bracket
1	Straight nipple	Connects to boost/vacuum source, suits 3mm ID vacuum hose

### OPTIONAL FITTING ACCESSORIES:

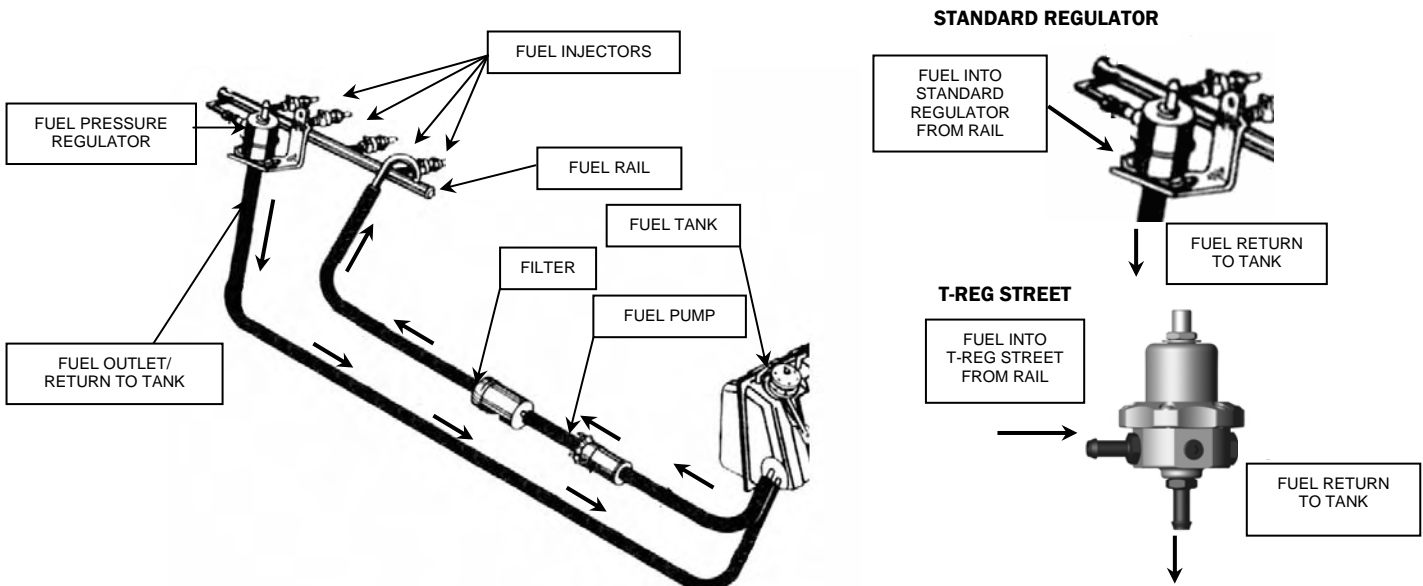
Part Number	Description
FG-FRA-021	Fitting kit to suit 1/4" (6mm) EFI Hose
FG-FRA-022	Fitting kit to suit 8mm EFI Hose
FG-FRA-014	Swivel nipple to suit 3mm ID vacuum hose
FG-FRA-010	Swivel nipple to suit 6mm ID vacuum hose
FG-FRA-019	Straight nipple to suit 6mm ID vacuum hose

### FUEL RAIL ADAPTORS:

Fuel rail adaptors are designed for connection of the T-REG to your fuel system when your standard regulator is mounted on the fuel rail. With the standard regulator removed install a fuel rail adaptor in place of the stock regulator and use EFI fuel hose to connect to your remotely mounted T-REG.

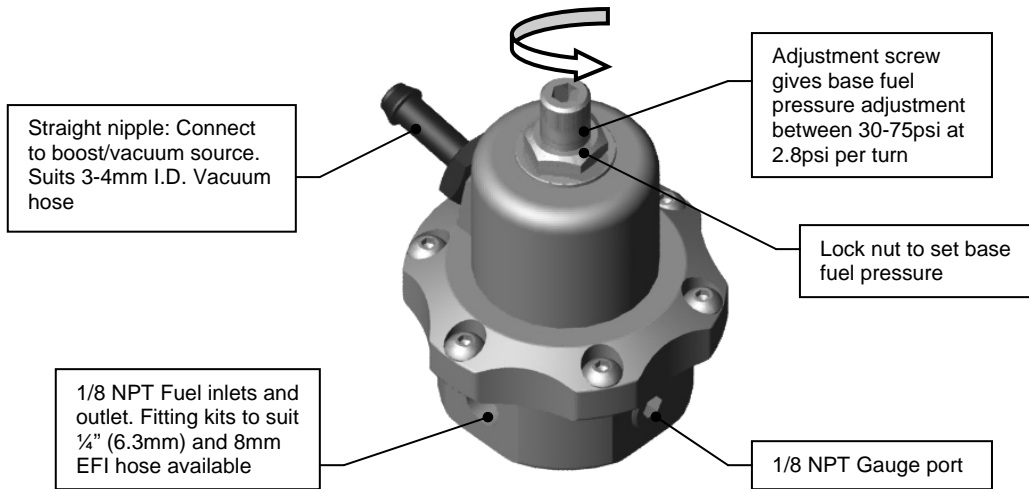
FG-FRA-001	Fuel rail adaptor that suits engines: <b>Mazda 13BREW</b> (FD3S RX7 Series 6), <b>Nissan SR20DET</b> (S13, S14, S15 SILVIA), <b>Nissan RB26DETT</b> (BNR32, BNR33, BNR34 GTR), <b>Nissan RB25DET</b> (HCR32, ECR33, ER34 SKYLINE), <b>Subaru EJ20</b> (GC8 - WRX before Bug Eye)
FG-FRA-002	Fuel rail adaptor that suits engines: <b>Subaru EJ20</b> (GDA - WRX Bug Eye onwards), <b>Toyota 2JZGTE</b> (JZ80 SUPRA, JZS147 ARISTO), <b>Toyota 4EFTE</b> (EP STARLET), <b>Toyota 4AGZE</b> , <b>Toyota 4AGE</b>
FG-FRA-003	Fuel rail adaptor that suits engines: <b>Mazda 13B</b> (RX7 Series 4), <b>Toyota 3SGTE</b> (MR2, CELICA GT4), <b>Toyota 1UZ-FE</b> (Lexus/Soarer V8), <b>Toyota 1JZGTE</b> (SUPRA, CRESTA, CHASER, MARK II)
FG-FRA-004	Fuel rail adaptor that suits engines: <b>Honda B16A</b> (EG6 CIVIC SIR, EK4 CIVIC, CRX DEL SOL), <b>Honda B16B</b> (EK9 CIVIC TYPE R)
FG-FRA-005	Fuel rail adaptor that suits engines: <b>Mitsubishi 4G63</b> (Evo 4, 5, 6, 7, 8)

### TYPICAL EFI FUEL SYSTEM LAYOUT:



## T-REG STREET FUEL PRESSURE REGULATOR INSTRUCTIONS

### T-REG STREET ASSEMBLY VIEW:



### FITTING INSTRUCTIONS:

#### 1. Determine your current Base fuel pressure.

Turbosmart recommends determining your current base fuel pressure with your existing regulator. This should be done prior to installation of the T-REG to give a reference base pressure to initially tune the base pressure to. This base pressure measurement should be made with a suitable fuel pressure gauge at idle with the vacuum hose removed. Ensure the vacuum hose has been removed and is blocked when taking the reading and the reference nipple is left open to atmosphere.

#### 2. Prepare to remove your existing regulator

Your fuel system is under pressure. To relieve the pressure disconnect your fuel pump power or remove the fuel pump fuse. Crank the engine until it stops. Your fuel system should now have no stored pressure.

**WARNING!** Exercise extreme caution when loosening fuel fittings. Turbosmart recommends wearing safety glasses to protect against fuel spray and having an appropriate fire extinguisher on hand.

#### 3. Remove your existing regulator

With your engine cool and ignition off you can now carefully remove the fuel lines to and from your existing regulator. You should take care with these lines to ensure no debris enters your fuel system. Disconnect the vacuum line and remove the existing regulator.

#### IMPORTANT NOTE:

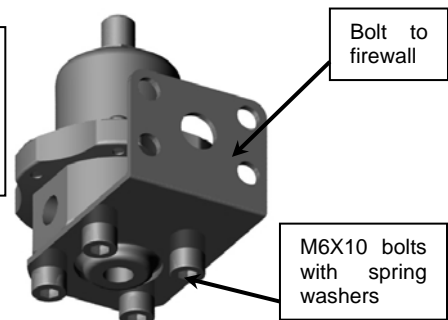
If your standard fuel pressure regulator is mounted directly to your fuel rail then you may need to use an adaptor and some EFI fuel hose to connect the fuel rail to the T-REG inlet port. Turbosmart supplies a range of adaptors to suit most popular makes and models (see accessory table for details).

#### 4. Mount the T-REG

Mount the T-REG using the mounting bracket supplied. Ensure it is firmly mounted and if necessary use the bracket as a template for marking out new mounting holes. Use the spring washers supplied when bolting the T-REG to the bracket.

#### IMPORTANT!

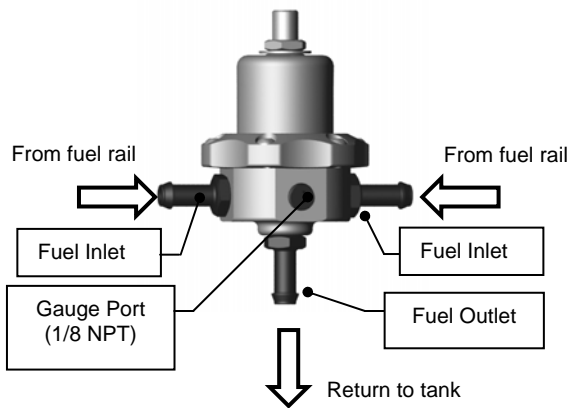
Mount regulator and fuel lines in a location away from heat sources.



## T-REG STREET FUEL PRESSURE REGULATOR INSTRUCTIONS

### 5. Connect Fuel Lines

The T-Reg Street is designed to accept 1/8 NPT fittings. Connect the fuel inlet and return lines in the orientation shown. If only one inlet is used block the second inlet with a 1/8 NPT blank. If the gauge port is not being used to measure fuel pressure ensure the gauge port is tight and the thread has been sealed with Loctite 567 or appropriate fuel resistant thread sealant.



### 6. Start engine and check for fuel leaks

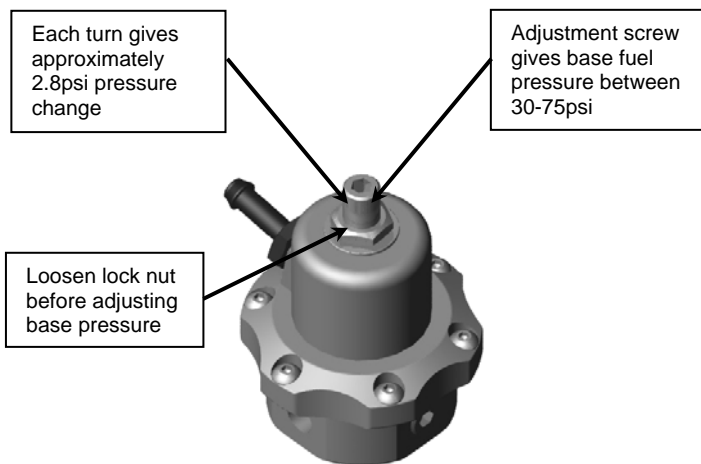
Replace the Fuel pump fuse or reconnect the fuel pump power. Start your engine and check for fuel leaks around the fittings.

**CAUTION!** If any leaks are evident turn the engine off immediately and tighten fittings and re-check until no leaks are present before proceeding.

**WARNING!** No Smoking or Naked flame in the vicinity of this installation.

### 7. Adjusting the base pressure

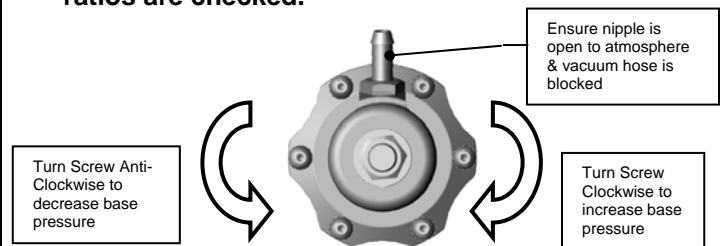
Before adjusting your base fuel pressure you must loosen the lock nut. Each turn of the adjusting screw gives a base pressure change of approximately 2.8 psi.



### 8. Adjusting the base pressure

Turning the screw clockwise will increase your base pressure and anti-clockwise will decrease base pressure. Ensure that when setting the base pressure the vacuum hose is disconnected and blocked and that the reference nipple is open to atmosphere.

**WARNING!** An incorrect setting of fuel pressure may cause your engine to run lean with the potential for detonation. Turbosmart recommends fitting by a qualified technician and that Air-Fuel ratios are checked.



### 9. Lock Base Pressure

With your fuel pressure correctly set correctly tighten the lock nut and re-check the base pressure. Ensure the o-ring and washer are installed under the lock nut and there are no air leaks around the adjusting screw.

### 10. Connect Vacuum Hose

With your fuel pressure correctly set connect the Vacuum/Boost hose to the swivel nipple and secure with a spring clamp. Double check there are no leaks around the vacuum hose or fuel fittings and your installation is complete.

#### NOTE – PLEASE READ ATTACHED TERMS AND CONDITIONS.

Subject to the attached terms and conditions:

#### Warranty

Turbosmart warrants its products to be free from faults or defects for the life of the product. \*

\* Subject to Turbosmart trading terms and conditions

#### Warning!

Incorrect use of this product may result in damage to your vehicle. Failure to observe any notes or recommendations may result in incorrect use of this product. This product is intended for use in off-road racing only. Turbosmart will accept no responsibility for the incorrect installation or use of this product.

#### Disclaimer!

Turbosmart will not be held responsible for any damage caused to property or person, directly or indirectly related to the use of any Turbosmart products.



T-REG STREET FUEL PRESSURE REGULATOR INSTRUCTIONS

PART NUMBER  
FG-FPR-ST

## THE TURBOSMART PLEDGE

### **DO NOT USE ANY TURBOSMART PRODUCT UNTIL YOU HAVE CAREFULLY READ AND UNDERSTOOD THE FOLLOWING AGREEMENT.**

A. Please call if you have any questions or do not understand this agreement. Refer to our brochure, website or catalogue for terms and conditions and further information regarding your product. Turbosmart appreciates your business and pride ourselves on our customer service. We are always happy to offer you advice and will provide you with help in any way we can. The purpose of this agreement is to avoid any problems or hard feelings.

B. We sometimes make mistakes, as do our dealers, distributors and suppliers. Even customers can sometimes order the wrong parts. Do not use, modify, install, trial assemble, nick, drop, scratch or adjust any part until you first check for any damage. Damage must be reported immediately. NO EXCEPTIONS. If there are any components missing please contact your authorised reseller immediately upon receipt of your shipment. Missing components must be reported within five (5) business days of receipt. Parts returned for any reason MUST BE IN RESALABLE CONDITION. It is YOUR responsibility, "THE CUSTOMER" to carefully package any returns to avoid shipping damage. Insurance is highly recommended. Credit cannot be issued for damaged goods.

### **C. Warranty**

1. Turbosmart Pty Ltd warrants that the quality of the products it designs and manufactures to be free of defects in material and workmanship. This limited warranty is extended only to the original purchaser and may not be transferred or assigned. This limited warranty applies to any product, which after careful inspection by Turbosmart Pty Ltd, after receipt of the product from our authorised reseller, is found, in the opinion of Turbosmart, to have a defect in either material or workmanship. Any modifications to the product will void any and all warranties. Before installation, check any applicable new car warranty. Turbosmart Pty Ltd is not responsible for voiding any original manufactures warranty.

2. Subject to the conditions of warranty set out below, if the product is found to be defective in either workmanship or material by Turbosmart then Turbosmart will, in its sole discretion, either repair or replace the product free of charge.

### **D. Conditions of Warranty**

1. All warranty claims must be returned to the authorised reseller, you must return the product and sales receipt, at your own expense, accompanied by a letter stating the reason for the claim. Proof of purchase must be provided with any warranty claim and will be verified with the authorised reseller from which the product was purchased.

2. The product must not have had its serial number removed, defaced or changed, its casing opened or have been tampered with in any other way.

3. Failure of the product must not be due to misuse, improper installation or other abuse or misuse. In the event that any product is found to be faulty due to abuse, misuse or improper installation, then the repair of the product will be charged to the purchaser at Turbosmart's current rates of charge.

4. Turbosmart will not be responsible for damage or loss caused during shipping.

5. All other warranties, terms and conditions, whether express or implied in relation to the state, quality or fitness of the goods or of every other kind and whether arising by use, statute or otherwise are hereby excluded.

### **E. Exclusion of Liability**

1. Turbosmart is not liable to the purchaser in contract or in tort or pursuant to statute arising out of, or in connection with, or relating to:

(a) the performance of the products or any breach of these conditions; or

(b) any fact, matter or thing relating to the products; or

(c) any error (whether negligent or in breach of contract or not) in information supplied to the purchaser or a user before or after the date of the purchaser's or user's use of the products; or

(d) any error or defect in the products or errors or faults caused by any components or consumables supplied by any third person which causes failure of the products.

2. Turbosmart's sole obligation under these terms and conditions is to repair or replace the products which are found to be defective pursuant to the express warranty and in no event shall Turbosmart be liable for any other claims or damages including, but not limited to, claims for faulty design, negligent or misleading advice, damages arising from loss or use of the products and any indirect, special or consequential damages or injury to any person or other entity.

3. If the product is a product not ordinarily acquired for personal, domestic or household use or consumption pursuant to the Trade Practices Act and similar provisions of relevant State legislation, Turbosmart limits its liability to payment of an amount equal to the lowest of:

(a) the cost of replacing the product;

(b) the cost of repair of the product;

(c) the cost of having the product repaired or replaced.

4. Turbosmart is not liable for default or failure in performance of its obligations resulting directly or indirectly from Acts of God, civil or military authority, war, accidents, fires, explosions, earthquakes, floods, strikes, labour disputes, shortage of suitable parts, components, materials, chemicals, labour or transportation or any other cause beyond the reasonable control of Turbosmart.

5. The purchaser hereby releases and indemnifies Turbosmart from all and any claims, liability, loss or expense or demand arising out of or in connection with the products or the installation, use or performance of the product.

**EXCEPT FOR THOSE OBLIGATIONS ASSUMED HEREIN, TURBOSMART PTY LTD ASSUMES NO OTHER OBLIGATIONS IN CONNECTION WITH THE SALE OF ITS PRODUCTS.**

**IN THE EVENT THAT THE INDIVIDUAL PURCHASER DOES NOT AGREE WITH THIS AGREEMENT THEN THE PURCHASER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UN-USED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN SIXTY (60) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND.**

**THE PURCHASER ACKNOWLEDGES THAT PRIOR TO THE INSTALLATION AND USE OF THE PRODUCT THE PURCHASER HAS CONDUCTED A THOROUGH EXAMINATION OF THE PRODUCT.**

**THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE INDIVIDUAL PURCHASER HAS READ AND UNDERSTOOD THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.**

Happy motoring!

The Turbosmart Team.

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