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› [aFe Power Silver Bullet Throttle Body Spacer Kit Installation Manual for Toyota FJ Cruiser/4Runner 10-24 V6-4.0L \(Model #46-38011\)](#)

aFe Power 46-38011

aFe Power Silver Bullet Throttle Body Spacer Kit Installation Manual

MODEL #46-38011 FOR TOYOTA FJ CRUISER/4RUNNER 10-24 V6-4.0L

This manual provides detailed instructions for the installation, operation, and maintenance of your aFe Power Silver Bullet Throttle Body Spacer Kit.

1. Product Overview

The aFe Power Silver Bullet Throttle Body Spacer is engineered to enhance air intake speed and improve throttle response in compatible vehicles. Its unique serrated/helix design is specifically developed to optimize airflow while preventing the whistling sound often associated with helix-only designs. This precision-machined billet aluminum spacer is manufactured in the USA and includes all necessary hardware and gaskets for installation.



Figure 1.1: The aFe Power Silver Bullet Throttle Body Spacer, a precision-machined billet aluminum component.

2. Kit Contents

Please verify that all components listed below are present in your kit before beginning installation.

- (1) aFe Power Silver Bullet Throttle Body Spacer (Model #46-38011)
- (2) Gaskets
- (4) Mounting Bolts
- (4) Washers



Figure 2.1: Contents of the aFe Power Silver Bullet Throttle Body Spacer Kit. Shown are the throttle body spacer, two gaskets, four mounting bolts, and four washers.

3. Safety Precautions and Tools Required

3.1. Safety Precautions

- Always ensure the vehicle's engine is cool before starting any work.
- Disconnect the negative terminal of the vehicle's battery before installation to prevent electrical shorts or accidental engine starts.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Refer to your vehicle's service manual for specific torque specifications and additional safety guidelines.

3.2. Tools Required (Not Included)

- Socket wrench set
- Extension and universal joint (if needed)
- Torque wrench
- Flathead and Phillips screwdrivers

- Pliers
- Clean shop rags

4. Installation Instructions

1. **Prepare Vehicle:** Ensure the engine is cool. Disconnect the negative battery terminal.
2. **Access Throttle Body:** Locate the throttle body. Depending on your vehicle model, you may need to remove the air intake tube, air box, or other components to gain clear access. Carefully disconnect any electrical connectors or vacuum lines attached to the throttle body.
3. **Remove Throttle Body:** Unbolt the throttle body from the intake manifold. Note the orientation of the original gasket.
4. **Clean Surfaces:** Thoroughly clean both the intake manifold and throttle body mating surfaces to ensure a proper seal. Remove any old gasket material.
5. **Install Gasket and Spacer:** Place one new gasket onto the intake manifold. Then, position the aFe Power Silver Bullet Throttle Body Spacer onto the gasket, ensuring the side marked "GASKET SIDE" faces the intake manifold and "AIR IN" points towards the air intake. The "TOP" marking should be oriented correctly for your vehicle.
6. **Install Second Gasket and Throttle Body:** Place the second new gasket on top of the throttle body spacer. Carefully re-attach the throttle body to the spacer, aligning the bolt holes.
7. **Secure Components:** Insert the provided longer mounting bolts through the throttle body, spacer, and gaskets into the intake manifold. Hand-tighten all bolts first, then tighten them evenly in a crisscross pattern to the manufacturer's recommended torque specifications (refer to your vehicle's service manual).
8. **Reassemble:** Reconnect all electrical connectors and vacuum lines to the throttle body. Reinstall the air intake tube, air box, and any other components that were removed.
9. **Final Steps:** Reconnect the negative battery terminal. Start the vehicle and check for any air leaks around the throttle body spacer. Allow the engine to reach operating temperature and check for proper idle and throttle response.



Figure 4.1: Top view of the aFe Power Silver Bullet Throttle Body Spacer, showing the "GASKET SIDE", "TOP", and "AIR IN" markings for correct orientation during installation.



Figure 4.2: Angled view highlighting the unique serrated/helix design of the throttle body spacer, which optimizes airflow.

5. Operation

Once installed, the aFe Power Silver Bullet Throttle Body Spacer works by creating a vortex effect in the incoming air charge, which helps to atomize fuel more effectively. Users may notice an improvement in throttle response and potentially a unique sound from the air intake system, particularly under acceleration. The spacer operates passively and requires no user interaction after installation.

6. Maintenance

The aFe Power Silver Bullet Throttle Body Spacer is designed for long-term durability and generally requires minimal maintenance. It is recommended to periodically inspect the spacer and surrounding components during routine vehicle maintenance (e.g., air filter changes) to ensure:

- All mounting bolts remain securely tightened.
- Gaskets are intact and not showing signs of wear or leakage.
- There are no obstructions in the air intake path.

No cleaning or lubrication of the spacer itself is typically required.

7. Troubleshooting

If you encounter issues after installation, consider the following common troubleshooting steps:

- **Check Engine Light:** If a Check Engine Light (CEL) illuminates, ensure all electrical connectors and vacuum lines were properly reconnected to the throttle body and surrounding components. A loose connection can trigger a fault code.
- **Air Leaks:** Listen for any hissing sounds around the throttle body spacer, which may indicate an air leak. Re-check the tightness of the mounting bolts and ensure the gaskets are properly seated and undamaged.
- **Poor Performance:** Double-check all installation steps, especially the orientation of the spacer and the secure connection of all air intake components.

If problems persist, it is recommended to consult a qualified automotive technician or contact aFe Power customer support.




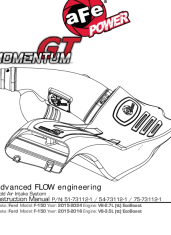
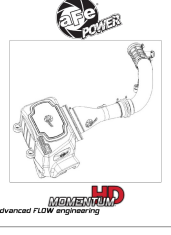
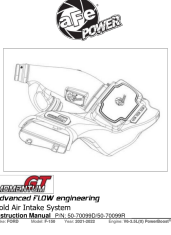
8. Specifications

Model Number	46-38011
Material	Billet Aluminum
Dimensions (L x W x H)	10 x 7 x 3 inches
Item Weight	13.3 ounces
Compatibility	Toyota FJ Cruiser/4Runner 2010-2024 V6-4.0L

9. Warranty and Support

For specific warranty information regarding your aFe Power Silver Bullet Throttle Body Spacer Kit, please refer to the official aFe Power website or the documentation included with your purchase. For technical support or assistance with installation, please contact aFe Power customer service directly through their official channels.

Note: This product is 50-State legal with CARB EO#D-550-42.

 <p>advanced FLOW engineering Instruction Manual P/N: 46-39102 76mm Throttle Body for Toyota 1GR-FE & 2GR-FKS Part Number: 46-39102 Rev: 1.0 Date: 08/2021</p> <p>NOTE: All aFe POWER products are designed and manufactured in the USA. All aFe POWER products are made from high quality materials and are built to last. All aFe POWER products are designed to improve the performance of your vehicle and are built to last.</p>	<p>aFe POWER 76mm Throttle Body Installation Manual for Toyota 1GR-FE & 2GR-FKS</p> <p>Detailed installation instructions for the aFe POWER 76mm Throttle Body (P/N: 46-39102) for Toyota 4Runner, FJ Cruiser, Tacoma, and Tundra models with 1GR-FE and 2GR-FKS engines.</p>
 <p>advanced FLOW engineering Instruction Manual P/N: 46-20588-B BladeRunner Hot Side Charge Pipe Kit Part Number: 46-20588-B Rev: 1.0 Date: 08/2021</p>	<p>aFe POWER BladeRunner Hot Side Charge Pipe Kit Installation Manual (Ford Bronco 2021+ V6 2.7L)</p> <p>Detailed instruction manual for installing the aFe POWER BladeRunner Hot Side Charge Pipe Kit (P/N 46-20588-B) on Ford Bronco vehicles (2021+ V6 2.7L twin-turbo). Includes parts list, tools required, and step-by-step installation guide.</p>
 <p>advanced FLOW engineering Instruction Manual P/N: 46-70080, 46-70081, 46-70082, 46-70083 Differential Cover for Ford F-250/350 Trucks Part Number: 46-70080, 46-70081, 46-70082, 46-70083 Rev: 1.0 Date: 08/2021</p>	<p>aFe POWER Differential Cover Installation Manual for Ford F-250/350 (1999-2016)</p> <p>Detailed installation instructions and parts list for aFe POWER differential covers (P/N 46-70080, 46-70081, 46-70082, 46-70083) for Ford F-250/350 trucks with V8 engines (1999-2016) and 12 Bolt-9.75" axle. Includes removal and installation steps.</p>
 <p>advanced FLOW engineering Instruction Manual P/N: 50-70099D / 50-70099R Momentum GT Cold Air Intake System Part Number: 50-70099D / 50-70099R Rev: 1.0 Date: 08/2021</p>	<p>aFe POWER Momentum GT Cold Air Intake System Installation Manual for Ford F-150</p> <p>Detailed installation instructions for the aFe POWER Momentum GT Cold Air Intake System, compatible with Ford F-150 models featuring V6-2.7L (tt) EcoBoost and V6-3.5L (tt) EcoBoost engines (2015-2024).</p>
 <p>advanced FLOW engineering Instruction Manual P/N: 50-70070D / 50-70070T Momentum HD Cold Air Intake System Part Number: 50-70070D / 50-70070T Rev: 1.0 Date: 08/2021</p>	<p>aFe POWER Cold Air Intake System Installation Manual for RAM 1500 V6-3.0L (2020-2023)</p> <p>Step-by-step installation guide for the aFe POWER Momentum HD Cold Air Intake System (P/N: 50-70070D / 50-70070T) for RAM 1500 vehicles with the V6-3.0L (td) EcoDiesel engine, model years 2020-2023. Includes parts list, removal, and installation instructions.</p>
 <p>advanced FLOW engineering Instruction Manual P/N: 50-70099D / 50-70099R Momentum GT Cold Air Intake System Part Number: 50-70099D / 50-70099R Rev: 1.0 Date: 08/2021</p>	<p>aFe POWER Momentum GT Cold Air Intake System Installation Manual for Ford F-150 V6-3.5L (tt) PowerBoost 2021-2022</p> <p>Detailed installation instructions and parts list for the aFe POWER Momentum GT Cold Air Intake System (P/N: 50-70099D/50-70099R) designed for the 2021-2022 Ford F-150 V6-3.5L (tt) PowerBoost engine. Includes step-by-step removal and installation guides.</p>