



## PLEASE READ CAREFULLY BEFORE PROCEEDING WITH INSTALLATION

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### Product Disclaimer

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- There is no warranty stated or implied due to the unusual stresses placed on competition products and/or the inability to monitor the modification, installation and use. The entire risk of quality, performance and defect is with the purchaser and not the manufacturer, distributor or retailer. Should any product(s) prove to be defective for any reason under any circumstance, the purchaser and not the manufacturer, distributor or retailer will assume financial responsibility for any consequential damages, repairs/service and any other liability.
- A vehicle modified by the use of competition product(s) for use on public roadways may not meet local, state or federal regulations. Installation and use of this competition product(s) may also affect vehicle insurance coverage. It is the purchaser's responsibility to meet and comply with regulations and policies before operating the vehicle on public roadways.
- Return of product(s) will **ONLY** be accepted if product(s) is in resell able condition. All accepted returns will be subject to a 20% restocking fee. **ABSOLUTELY NO RETURNS ON USED PRODUCTS.** For more information on our return policy, please call (951) 808-9888 or visit [www.skunk2.com](http://www.skunk2.com)
- **For technical support, please visit our HelpDesk at [www.skunk2.com](http://www.skunk2.com) or call us at (951) 808-9888**
- Group A Autosports Inc., recommends the following performance products to maximize power gains:
  - Header/high-flow exhaust system
  - Cold-air intake system
  - Fuel pressure regulator
  - Camshafts/adjustable cam gears

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### Warranty Policy

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Group A Autosports Inc. warranties all products to be free of defects in materials and workmanship for normal use and service for a period of 90 Days from the date of retail purchase. Products returned must be inspected and determined to be defective by Group A Autosports Inc. before any warranty credit and/or replacement is issued. Group A Autosports Inc.'s obligation under warranty shall be limited to repairing or replacing, at its discretion, any product found to be defective. The consumer will be responsible for transportation charges. Final determination of the suitability of the product(s) for the intended use is the sole responsibility of the consumer. Group A Autosports Inc. shall not be liable for any special, direct, indirect, incidental or consequential damages that may be claimed as a result of the failure of any product, including claims for delay, loss of profits or labor. Group A Autosports Inc. shall not be liable for any damage and/or injury to person(s) and/or property resulting from improper installation and/or misuse of any product subject to this warranty. There are no other warranties expressed and/or implied extending beyond those set forth above.

## Composite Fuel Rail Part # 350-05-5000 B16A,B/B18A-C (1.6L, 1.8L DOHC VTEC, 1.8L DOHC)

To see a video on how it's made, visit [www.skunk2.com](http://www.skunk2.com)

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### Included items with the Composite Fuel Rail

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- (1) Composite Fuel Rail
- (1) End Plug
- (1) Banjo Fitting
- (2) O-Rings
- (3) Spacers
- (3) M6 X 40 Socket Head Bolts

**Notes:**

- **Keep open flames away from the vehicle during the removal and installation process**
- **Work in an open and well ventilated area.**
- **Thoroughly clean the Composite Fuel Rail before installation**
- **Before beginning the removal and installation process, relieve the fuel pressure by loosening the banjo bolt on top of the fuel filter. Use shop rags to prevent dripping and spray.**

**Removal**

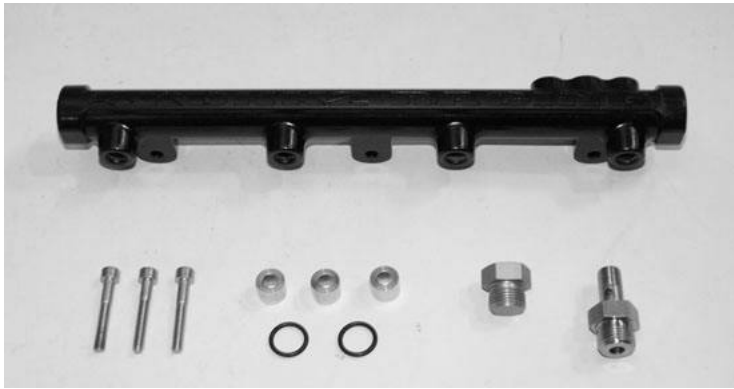
1. Please refer to a factory service manual for the removal of the factory fuel rail
2. Carefully disassemble the factory fuel rail as several parts will be reused
  - a. Be careful not to damage the o-rings on the fuel injectors
3. Remove the fuel rail mounting studs on the intake manifold by using a stud remover or by the double-nut method (Figure 1)

**Assembly of the Skunk2 Composite Fuel Rail**

1. Install the provided o-rings on both the end plug and line fitting.
  - a. Lubricate the o-rings before installation
2. Install the end plug onto the end closest to fuel pressure regulator (Figure 2)
  - a. Tighten to 4 lb/ft
  - b. Be careful not to over tighten the end plug, doing so may cause the Composite Fuel Rail to crack or crush the o-ring.
3. Install the banjo fitting on to the other end of the Composite Fuel Rail (Figure 2)
  - a. Tighten to 4 lb/ft
  - b. Be careful not to over tighten the end plug, doing so may cause the Composite Fuel Rail to crack or crush the o-ring.
4. Install the factory fuel injectors
  - a. Aftermarket fuel injectors may be substituted
  - b. Make sure the fuel injectors are properly seated in the Composite Fuel Rail

**Installation**

1. Install the Composite Fuel Rail using the provided spacers and bolts. (Figure 3)
  - a. The spacers are to be installed between the Composite Fuel Rail and Intake Manifold.
  - b. Do not fully tighten the Composite Fuel Rail until the fuel injectors are fully and properly seated into the Intake Manifold.
  - c. Be careful not to damage the seals in the Intake Manifold
2. Tighten the mounting bolts to 4 lb/ft
  - a. Do not over tighten the bolts, doing so may crack the Composite Fuel Rail
3. Install the fuel pressure regulator (Figure 4)
  - a. An aftermarket fuel pressure regulator may be substituted
4. Install the fuel return line and fuel damper (Figure 5)
5. Install the wire harness and reconnect all connections (Figure 6)
6. Tighten the banjo bolt on top of the fuel filter



All parts should be included as shown



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6