

Instruction Manual



HI-FLOW FUEL FILTER P/N 25-200



STOP!

THIS PRODUCT HAS LEGAL RESTRICTIONS.
READ THIS BEFORE INSTALLING/USING!

WARNING! THIS IS A RACE ONLY PRODUCT MANUFACTURED AND SOLD FOR INSTALLATION ON VEHICLES DESIGNED TO BE USED SOLELY FOR COMPETITION PURPOSES. ONCE THIS PART IS INSTALLED, THE VEHICLE MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR USE, ON A PUBLIC ROAD OR HIGHWAY. IF YOU INSTALL THIS PART ON YOUR VEHICLE AND USE THE VEHICLE ON A PUBLIC ROAD OR HIGHWAY, YOU WILL VIOLATE THE CLEAN AIR ACT AND MAY BE SUBJECT TO PERSONAL CIVIL OR CRIMINAL LIABILITY, INCLUDING FINES OF UP TO \$4,819 PER DAY.

IT IS THE RESPONSIBILITY OF THE INSTALLER AND/OR USER OF THIS PRODUCT TO ENSURE THAT IT IS USED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. IF THIS PRODUCT WAS PURCHASED IN ERROR, DO NOT INSTALL AND/OR USE IT. THE PURCHASER MUST ARRANGE TO RETURN THE PRODUCT FOR A FULL REFUND.

THIS POLICY ONLY APPLIES TO INSTALLERS AND/OR USERS WHO ARE LOCATED IN THE UNITED STATES; HOWEVER CUSTOMERS WHO RESIDE IN OTHER COUNTRIES SHOULD ACT IN ACCORDANCE WITH THEIR LOCAL LAWS AND REGULATIONS.

WARNING!

Improper installation and/or adjustment of this product can result in major engine/vehicle damage. For technical assistance visit our dealer locator to find a professional installer/tuner near you.

Note: AEM holds no responsibility for any engine damage or personal injury that results from the misuse of this product, including but not limited to injury or death.

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Part Number: 10-291
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- **Do not smoke while working on the fuel system.**
- **Keep open flames or sparks away from your work area.**
- **Be sure to relieve fuel pressure while engine is off.**

1) Getting started

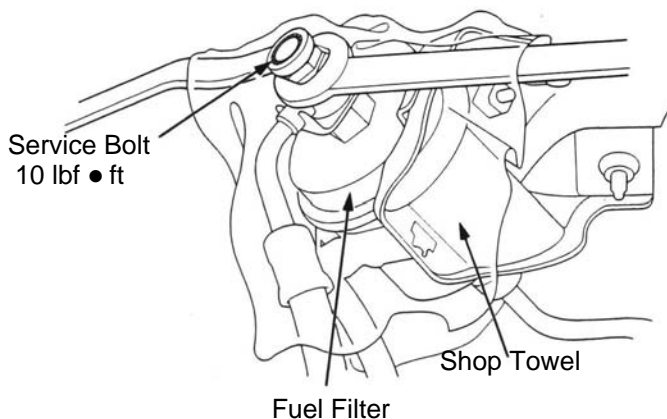
- Make sure vehicle is parked on a level surface.
- Set parking brake.
- Disconnect the negative cable from the negative battery terminal.**
- If engine has run within the past two hours let it cool down.
- Clean area around the fuel rail so that dirt cannot get into the engine.

Note it is recommended to:

- Replace the washer between the service bolt and the special banjo bolt whenever the service bolt is loosened. (where equipped)
- Replace all washers whenever the bolts are removed.

2) Relieving fuel pressure

- Remove the fuel fill cap.
- On models equipped with a 6mm service bolt. (shown below) If your vehicle is not equipped with a 6mm service bolt, then proceed to step c.
 - Use a box end wrench on the 6mm service bolt on top of the fuel filter, while holding the special banjo bolt with another wrench.
 - Place a rag or shop towel over the 6mm service bolt.
 - Slowly loosen the 6mm service bolt one complete turn.
 - Leave service bolt loose until all pressure has been relieved.
 - Tighten service bolt to 10 lbf-ft.



- On models not equipped with a 6mm service bolt.
 - Use a box end wrench on the 12mm banjo bolt on top of the fuel filter.
 - Place a rag or shop towel over the 12mm banjo bolt.
 - Slowly loosen the 12mm banjo bolt one complete turn or until all pressure has been relieved.

3) Remove & Replace the Fuel Filter

- a) Remove the 12mm Banjo bolt from the top of the fuel filter.
- b) Unscrew the fuel fitting on the bottom of the fuel filter.
- c) Remove the fuel filter mounting bracket from the fire wall. This is done by removing the bolt and two nuts from the fire wall.
- d) Remove the bolt from the band clamp on the fuel filter.
- e) Remove the fuel filter.
- f) Put a light coat of lubricant on the threads of the fuel inlet fitting (bottom fitting) before threading it into the filter body. Use a wrench on the machined hex on the bottom of the filter body to keep the filter from rotating.
- g) Install the AEM billet filter into the filter bracket
- h) Re-install the band clamp using the original bolt.
- i) The AEM fuel filter is supplied with new crush washers. Use these new washers on the banjo bolt for the fuel hose at the top of the filter. Use a wrench on the machined hex on the top of the filter to keep the filter from rotating. Torque the banjo bolt to 22 lbs.-ft.

4) Filter Element Replacement

- a) Use the above procedure to remove the filter from the bracket.
- b) Use a box end wrench at each end of the filter to unscrew the filter halves.
- c) Remove the filter element from the top of the filter top and replace it with the new element. The part number for the element is Fram # CH6069 or NAPA 4950.
- d) Inspect the top seal and side "O" ring. If they are deformed or torn they must be replaced. The AEM part numbers for these are: 1-3011 for the top ring, and 1-3012 for the side "O" ring.
- e) Put a light coat of oil on the "O" rings before re-assembling the filter.
- f) Make sure the spring in the filter body is seated around the inlet boss of the filter and that the platen is secure in the fuel filter element.
- g) Before re-assembling the filter halves it is advisable to put anti-seize or a similar compound on the threads before threading the parts together.

5) Finishing Touches

- a) Connect the negative battery terminal.
- b) Replace the fuel filler cap.
- c) Turn the ignition switch to the on position for approximately two seconds. **Do not operate the starter.** Then turn the ignition switch to the off position.
- d) Repeat this procedure three times, and then check all components that were removed during installation for any signs of fuel leakage.
- e) If there are signs of leakage you **MUST** correct the leak before proceeding.
- f) If there are no signs of leakage, then start engine and again check for leaks. If there is any sign of leaking you **MUST** repair the leak before driving the vehicle.