



CNG COALESCING FILTER CHANGE PROCEDURE 2014 - 2024 FORD F-SERIES

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- **CNG (Compressed Natural Gas) is combustible and a flammable fuel.**
- **CNG is stored on the vehicle at normal operation pressure of 3,600 psi.**
- **System maintenance should be performed by an certified and trained technician.**
- **All maintenance should be performed in a well ventilated area.**

Required Parts and Tools:

- **Torque wrench (ft-lbs)**
- **Parker lube & seal or comparable high grade lubricant**
- **3/16” allen wrench**
- **Filter housing removal socket (Part # 180421)**
- **Bubble soap or methane detector**
- **Coalescing Filter Part #: KIT-AFF-TIF-PE**

Call Altech-Eco for parts or tools at 828-654-8300

ALTECH-ECO COALESCING FILTER CHANGE PROCEDURE

1. Remove cylinder cover.
2. Close the CNG tank valve(s) manually.
3. For **BI-FUEL** - Start and run the vehicle on CNG until the vehicle switches over to gasoline or stalls.
For **DEDICATED** - Run until vehicle stalls.
4. Locate the bleed valve plug on the bottom of coalescing filter housing.
5. Remove the bleed valve plug to release any access CNG pressure in fuel lines.
6. Remove only the bottom half of the filter housing using the Altech-Eco filter socket.
7. Remove the old o-ring from the filter housing. Clean and remove any excess oil or debris inside the filter housing.
8. Generously apply lube to o-ring location and insert the new o-ring.
9. Insert the new coalescing filter into slot inside the top part filter housing. Ensure that the filter is snug and not loose.
10. Re-install the bottom half of the filter housing and tighten. Torque to 45 ft-lbs.
11. Re-install the bleed valve plug. Hand tighten first then tighten snug. **DO NOT OVER TIGHTEN**, doing so will damage the threading.
12. Open CNG tank valve(s).
13. Turn vehicle on and cycle the ignition 3 times to re-pressurize the CNG system and start the vehicle.
14. Perform a leak test on all connections to and around coalescing filter housing to ensure there are no leaks.
15. Re-install cylinder cover.



Part # 180421



Bleed Valve