

AirDog® II

FUEL PREPARATOR



INSTALLATION MANUAL

Model Year 1998 ½ - 2004

*DF-100, DF-165 & DF-200
w/Adjustable Regulator
And New Quick Connect Components!*

**CUMMINS POWERED
DODGE TRUCKS**

High Performance Fuel System

PLEASE READ THESE
INSTRUCTIONS THOROUGHLY
BEFORE BEGINNING INSTALLATION!

PureFlow AirDog



705 MAUSOLEUM ROAD
SHELBYVILLE, IN 46176

1-877-421-3187

www.pureflowairdog.com

CANADIAN PATENT
2,108,391

PROTECTED BY
US PATENTS
5,355,860; 5,746,184; 6,729,310

AUSTRALIAN PATENT
2005101054

NEW ZEALAND PATENT
532356

Additional Foreign Patents Pending in Europe, South America, Mexico, Japan, and China!

AirDog® II

FUEL PREPARATOR

Approved for Sale and Use in California by CARB!
(Limited Edition Model Pictured)



SMALL RETURN LINE FOR
AIR, VAPOR AND FOAM



PRESET OR
ADJUSTABLE PRESSURE
REGULATOR



PROTECTIVE WIRE
SCREEN IN PRE-
FILTER NIPPLE

DEMAND FLOW SERIES

FLOWS ONLY THE AMOUNT OF FUEL THE ENGINE REQUIRES

SMALL and COMPACT

7" Long X 3.2" Wide X 10" Tall

OVERVIEW

Welcome to **PureFlow® AirDog®II**
Fuel Air Separation, Filtration and Delivery System for the Diesel Engine!

The AirDog®II Fuel Preparator®, the Original Fuel Air Separation System, is a premium replacement fuel pump and complete filtration system for the Dodge Cummins Diesel Engine.

The AirDog®II delivers clean fuel to the engine free of virtually all air/vapor and at a positive flow. Thus, allowing the engine “test cell” performance and efficiency, while in “real world” use.

The DF-100, DF-165 & DF-200 have an adjustable regulator and are preset at 15/17 PSI. The AirDog®II pressure regulator features **Stainless Steel** components and soft seat piston.

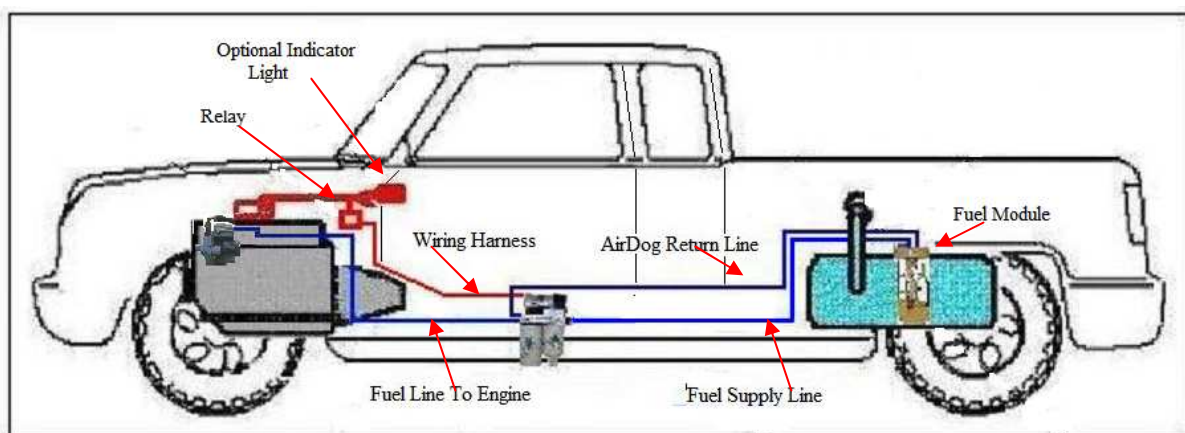
The AirDog®II DF-100 is recommended for stock and slightly modified 5.9L and 6.7L Cummins Diesels.

The AirDog®II DF-165 Adj. is recommended for highly modified 5.9L and 6.7L Cummins Diesels.

The DF-200 is for **EXTREMELY MODIFIED** Cummins Diesels.

*PureFlow® AirDog products are manufactured with a personal touch,
unsurpassed attention to detail
and
the most stringent Quality Assurance!*

TYPICAL INSTALLATION LAYOUT



The AirDog®II draws fuel from the fuel tank at constant flow, removing water, particulates, and air/vapor. A regulated pressurized flow is maintained to meet the engine’s varying fuel demands. The AirDog®II returns the separated air/vapor and foam back to the fuel tank.

QUICK CONNECT COMPONENT OVERVIEW

Provided in this kit are two different OE style quick connection systems. These systems work together to allow for a quick, clean, and professional install.

Jiffy Tite Quick Connect System

Jiffy Tite's patented quick connect system is used for the connections at the AirDog®. The images below show the flared formation of the Jiffy Tite System. Simply insert the male end form into the fitting and push firmly until you hear it "click" into place. To disconnect the system, use a Jiffy Tite tool similar to the image below. This tool can be purchased at your local auto parts store. Insert the tool into the connection and turn it ¼ turn to open the retaining spring. While the retaining spring is open, firmly pull the connection apart.



SAE J2044 Quick Connect System

The SAE J2044 quick connect system is the most commonly used system in the automotive industry. The images below show the formation of SAE J2044 connection. To connect the assemblies, simply insert the male end form into the mating female connector. Push firmly until you hear it "click" into place. To disconnect the fittings, press down and hold the blue tabs on the female connector while you firmly pull the assembly apart.



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AirDog® II

INSTALLATION GUIDELINES!

The installation of your AirDog® II can be made relatively easy by following the steps outlined in this manual, and:

1. Inventory the package components completely. Notify *PUREFLOW AIRDOG* immediately of any parts missing or damaged.
2. Read the installation manual completely. Understand how the system operates and installation recommendations before beginning installation.
3. The installation recommendations contained herein are suggested installation guidelines only. Individual installations may vary.
4. When installing the fuel module up-grade, be sure to drill the two additional ½" fuel ports as shown!
5. When installing the AirDog® II fuel lines, be sure to connect the ORIGINAL ENGINE RETURN LINE to the fuel tank as it was from the factory when the installation is complete!

If any installation procedure is uncertain, contact *PUREFLOW® AIRDOG* for technical assistance.

SAFETY GUIDELINES!

- CAUTION!** Please be sure to check the vehicle's tires to prevent rolling.
- CAUTION!** Please use proper supports when working beneath an elevated vehicle.
- CAUTION!** Most diesel pickups have two (2) 12volt batteries. Disconnect the battery cables to both batteries before proceeding with the AirDog® II installation.
- CAUTION!** Vehicle frame rails should not be drilled into or welded on.
- CAUTION!** Wear safety glasses when operating power tools such as drills and grinders or when using a punch or chisel.
- CAUTION!** Use common sense when routing fuel lines and electrical harnesses. Keep them away from hot exhaust components and/or moving parts. Properly secure lines to prevent chaffing.

NOTE: The pictures used in this manual are for example only and may not be exactly the same as your truck.

AirDog® II Parts List








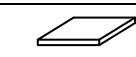









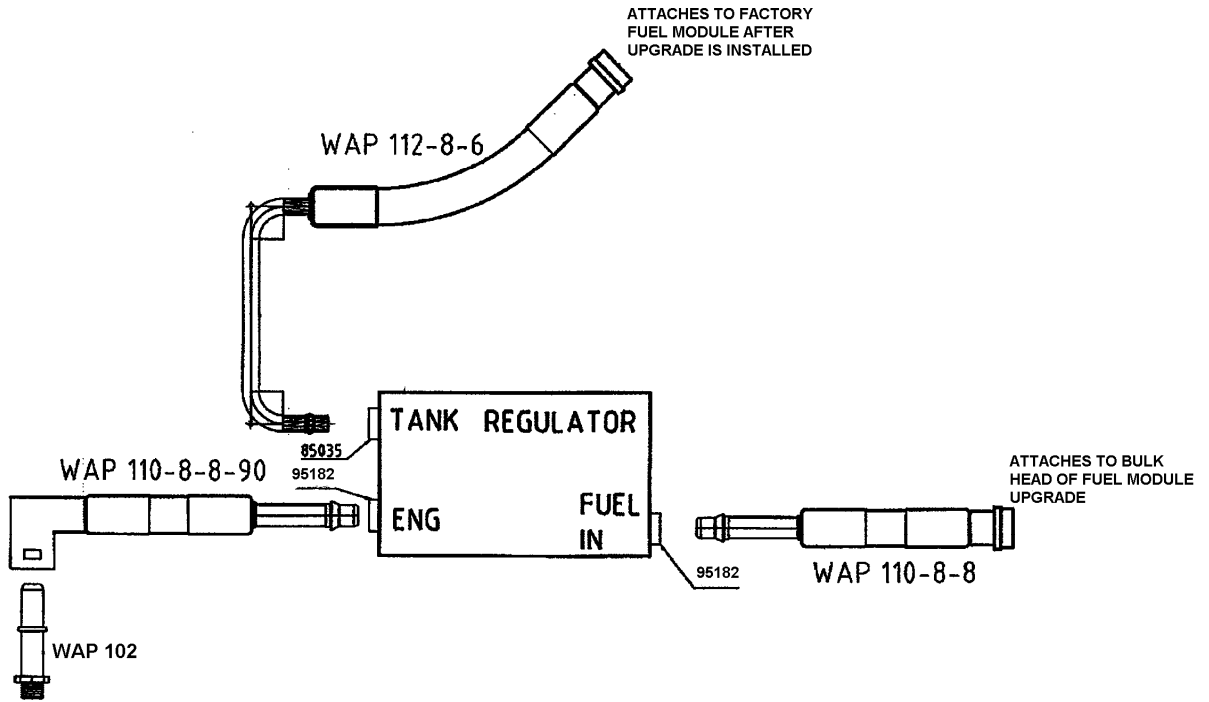
| QTY | DESCRIPTION | Part Number | IMAGE |
|-----|--|--------------------------------|---|
| 1 | Installation Manual | 201-1-0124 |  |
| 1 | <i>AirDog® II</i> | DF-100 DF-165 DF-200 |  |
| 1 | <i>AirDog® II</i> Bracket | 001-3C-0004 |  |
| 1 | Mounting Hardware Kit, | 901-61-0102-PM |  |
| 1 | Frame Bracket | 010-3C-0002PC 010-3C-0001PC |  |
| 1 | Wiring Harness | 5E-2-011 |  |
| 1 | Bundle of Plastic Ties | 5H-2-1-06/12 |  |
| 1 | Fuel Module Up Grade Kit | 901-01-0510 |  |
| 1 | Spacer | 010-3C-0003-A-P |  |
| 1 | Suction Hose Assembly | WAP110-8-8 |  |
| 1 | Return Hose Assembly | WAP112-8-6 |  |
| 1 | Pressure Hose Assembly | WAP110-8-8-90 |  |
| 1 | 12mm X ½" male SAE J2044 Fitting | WAP102 |  |
| 1 | Sealing Washer (installs on WAP102 fitting) | 1P-5-DS |  |
| 1 | Customer Service Oring Replacement Kit | 901-05-0100 | |
| 3 | Push Lock Hose Splice | 001-4A-1-0026 |  |
| 2 | ½" Female Jiffy Tite Quick Connect x 3/8" NPT | 95182 |  |
| 1 | 3/8" Female Jiffy Tite Quick Connect x 1/8" NPT | 85035 |  |

ILLUSTRATION OF QUICK CONNECT COMPONENTS



Installing the AirDog II® & Mounting Brackets on the Truck's Frame!



Figure 2



Figure 3

- 4-1. Assemble the AirDog® mounting bracket to the frame bracket.

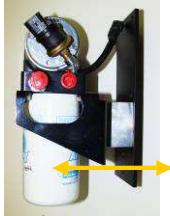


Figure 4

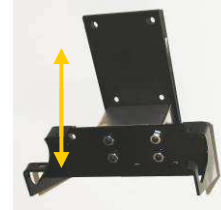


Figure 5

- 4-2. Use the spacer block to clear lines and wiring harnesses on the frame. Adjust the assembly up or down on the frame bracket as necessary for clearance.

- 4-3. Install a 3/8" NPT x 1/2" Jiffy Tite female

quick connect (95182) into the "ENGINE" and "FUEL IN" ports in the AirDogII®.



Figure 6

- 4-4. Install the 1/8" NPT X 3/8" Jiffy Tite Female quick connect (85035) into the "TANK" port of the AirDogII.



Figure 7

- 4-4. Attach the AirDog® to the frame bracket assembly.

Figure 8



Section 4

AirDog® & Mounting Brackets

Installing the AirDog® & Mounting Brackets on the Truck's Frame, cont'd!

NOTE: The AirDog® can be mounted on either the inside or the outside of the frame, as space or personal choice dictates.



Figure 9

**Mount
The AirDog®
Outside
The
Frame**



Figure 10

Or



Figure 11

**Inside
The
Frame**



Figure 12

For this installation, the AirDogII® is mounted inside the frame!

- 4-5. Clamp the frame between the AirDogII® bracket assembly and the backing plate using the bolts, lock washers, and nuts included in the kit.



Figure 13

- 4-6. Position the AirDogII® on the frame as necessary for clearance.

NOTE: Be sure to mount the AirDogII® so the 'FUEL IN' port is directed toward the rear of the vehicle.



Figure 13A



Figure 13B

NOTE: Some pickup model frame rails have a bracket that is used to support the frame during the manufacturing process. If this bracket is on your frame rail and obstructs the proper positioning of the AirDogII® mounting bracket, you may remove part or all of it, as needed. Be very careful not to damage the frame flange!

This section is for the 1998.5 – 2002 Dodge Fuel Supply Line from the AirDog® II to the VP-44

The *AirDog® II* fuel filter is 2 a micron filter. When installing the *AirDog® II* fuel system it is recommended to bypass the factory filter canister.

Fuel Line Specs

Manufacturer: EATON Weatherhead

Rated for Diesel Fuel

| | |
|--|---|
| <p>Cover: Blue Vinyl <u>Nitrile</u></p> <p>Reinforcement: 1 Fiber Braid</p> <p>Working Pressure 250 PSI</p> | <p>Inner Tube: <u>Nitrile</u></p> <p>Temp. Range: -40°F to +212°F</p> <p>Burst Pressure 1,000 PSI.</p> |
|--|---|

5A-1. Remove the “banjo bolt” and the original factory fuel supply line at the fuel inlet port of the VP44 injector pump (Ref. Figure 14).



Caution: Do not over torque the 12mm fitting. It may break!



Figure 14

Figure 15

5A-2. Install the 12mm x ½” male SAE J2044 (WAP 102) fitting with the seal washer supplied into the inlet port of the VP-44 (Ref. Figure 15) vacated by the original banjo fitting. Do not over tighten the fitting. It may break.

5A-3 Insert the Jiffy Tite male quick connect end (see figure 16) of the “Pressure Hose Assembly” into the female quick connect fitting previously installed in the port marked “ENGINE”. You will hear a “click” when it connects.

Figure 16



5A-4. Connect the other end of the “Hose Assembly” to the inlet fitting installed in step 5A-2. It too will “click” when properly connected.

5A-5 Any excess fuel hose can be addressed by routing the hose in a fashion to take up the extra length, or a section of the hose can be removed. Push lock splices have been included if you choose to remove the excess hose.

- 5A-6. It is advised to remove the factory supply lines between the tank and the filter canister. Also remove the factory supply line between the filter canister and the injection pump. Then plug the ports on the filter canister. This will prevent fuel spillage.

Figure 17



NOTE: Be sure to keep the ORIGINAL ENGINE RETURN LINE connected as it is from the factory! In many cases the return runs thru the flange of the filter canister.

This section is for the 2003 – 2004 Dodge Fuel Supply Line from the AirDog® to the CP3

The AirDog II fuel filter has a 2 micron media. When installing the AirDog II fuel system it is recommended to bypass the factory filter canister.

- 5B-1. Remove the “banjo bolt” and the original factory fuel supply line at the fuel inlet port of the CP-3 high pressure pump.



Figure 18

- 5B-2. From this point, installation of the pressure hose assembly is the same as described in Section 5A.

Fuel Suction Line for AirDog® II

- 5C-1. Insert the male Jiffy Tite quick connect end (see figure 19) of the “Suction Hose Assembly” to the female Jiffy Tite fitting previously installed in the “Fuel In” port. A “click” will be heard when the fitting is properly connected.



Figure 19

- 5C-2. Refer to the installation instructions within the Fuel Module Upgrade Kit. Install the fuel module up grade kit.
- 5C-3. Attach the female quick connect end of the “Suction Hose Assembly” to the bulk head male quick connect installed during the fuel module upgrade. (see Fig 20). A “click” will be heard when the fitting is properly connected.



Figure 20

Note: Figure 20 is for visual reference only. The fuel module in your vehicle may appear different.

- 5C-4 Any excess fuel hose can be addressed by routing the hose in a fashion to take up the extra length, or a section of the hose can be removed. Push lock splices have been included if you choose to remove the excess hose.

Fuel Return to Tank for AirDog® II

- 5D-1 Insert the Jiffy Tite male quick connect end (see Figure 21) of the “Return Hose Assembly” into the previously installed female Jiffy Tite fitting in the port marked “Tank”. The fitting will “click” when properly installed.



Figure 21

- 5D-2. Attach the other end of the “Return Hose Assembly” onto the male 3/8” quick connect on the top of the fuel module that was previously vacated by the factory suction line. A “click” will be heard when the fitting is properly connected.



Figure 22

- 5D-3. Any excess fuel hose can be addressed by routing the hose in a fashion to take up the extra length, or a section of the hose can be removed. Push lock splices have been included if you choose to remove the excess hose.

The *AirDog*® II is equipped with a relay controlled wiring harness featuring water resistant connectors.

When properly installed, the *AirDog*® II is controlled by the engine's ECM.
WIRING DIAGRAM

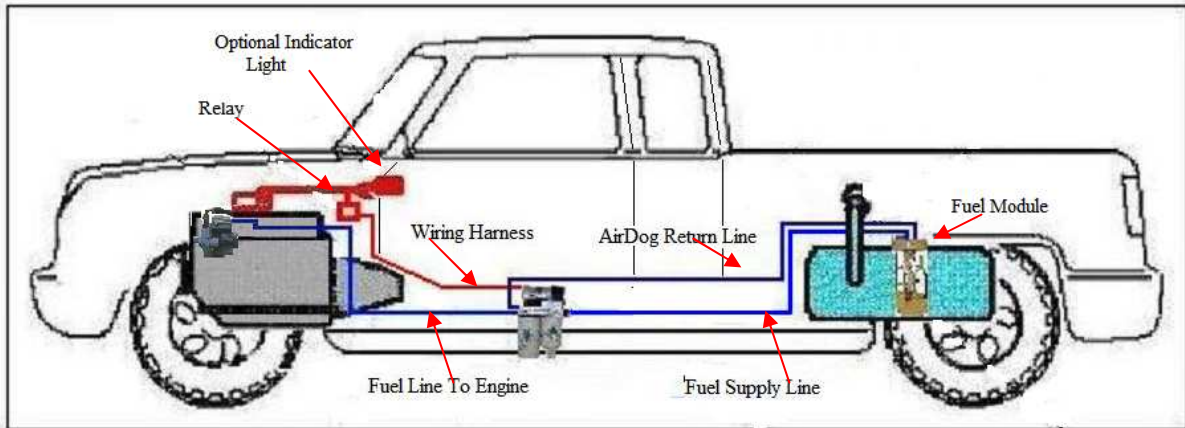


Figure 23

The *AirDog*® II is activated by the ECM through a relay controlled wiring harness connecting directly to the original ECM Deutsch pump connector.



Figure 24

CAUTION: If the **OPTIONAL** Low Pressure Indicator Light is not used, be sure to insulate the two (2) #10 Indicator Light connectors to prevent accidental contact.

Securing the Relay and Fuse Holder to the Vehicle

6-1. Secure the relay and fuse holder to the vehicle.



Figure 25



Figure 26

Connecting the AirDog® II Relay Control to the ECM

- 6-2. Disconnect the OE fuel pump lead from the ECM pump lead. The Original Equipment fuel pump lead extends about 5 inches from the pump. The Deutsch, two pin connector is at the end of this lead. Look for it below and to the rear of the filter canister.



Figure 27



Figure 28

- 6-3. Carefully route and connect the AirDog® II relay lead, the Grey Deutsch two pin connector on the AirDog® II wiring harness, to the ECM pump lead.

NOTE: The power supply leads can be connected to the battery or the alternator. Connecting the power supply leads to the alternator instead of the battery will create a corrosion free connection.

- 6-4A. Route the Red & Black power supply leads to the alternator. Connect the Black (-) lead to the alternator *Chassis Ground* connection. Connect the Red (+) lead to the alternator *Hot Lead* going to the battery.

Black (-) Red (+)



Figure 29

OR

- 6-4B. Should you choose to connect the power supply leads directly to the battery, connect the RED (+) lead to the POSITIVE (+) post of the driver's side battery. Connect the BLACK (-) lead to the NEGATIVE (-) post of the same battery.

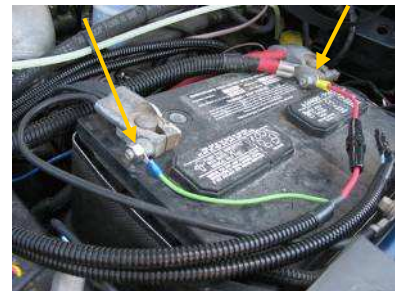


Figure 30

- 6-5. Route the wiring harness to the AirDog® II and connect the 2 pin Deutsch connector to the corresponding connector on the AirDog® II.



Figure 31

INITIAL START PROCEDURE

The *AirDog*® II is a self priming system, however, to prevent potential damage to the system, it is recommended to fill the pre-filter with diesel fuel before initial startup.

- 7-1. Fill the water separator with diesel fuel.
- 7-2. Turn the starter key to the on/run position.
Note: It may be necessary to momentarily engage the starter in order for the ECM to energize the *AirDog*® II.
- 7-3. While the *AirDog*® II is operating, bleed the fuel line to the engine of air by loosening the fuel line connection at the engine fitting. As soon as the line is purged of air and pure fuel is observed, properly tighten the fuel fitting. NOTE: put a rag or shop towel over and around fitting to prevent splatter. Catch all spilled fuel and dispose of properly.
- 7-4. Start engine!

RECHECK ALL FUEL FITTINGS FOR LEAKAGE AND PROPER TORQUE. BE SURE ALL FUEL LINES ARE PROPERLY ROUTED TO PROTECT FROM EXCESSIVE HEAT AND SECURED TO PROTECT FROM CHAFFING AND ABRASION. RECHECK ALL ELECTRICAL LINES, SECURE AS NECESSARY.

Checking Pump Noise!

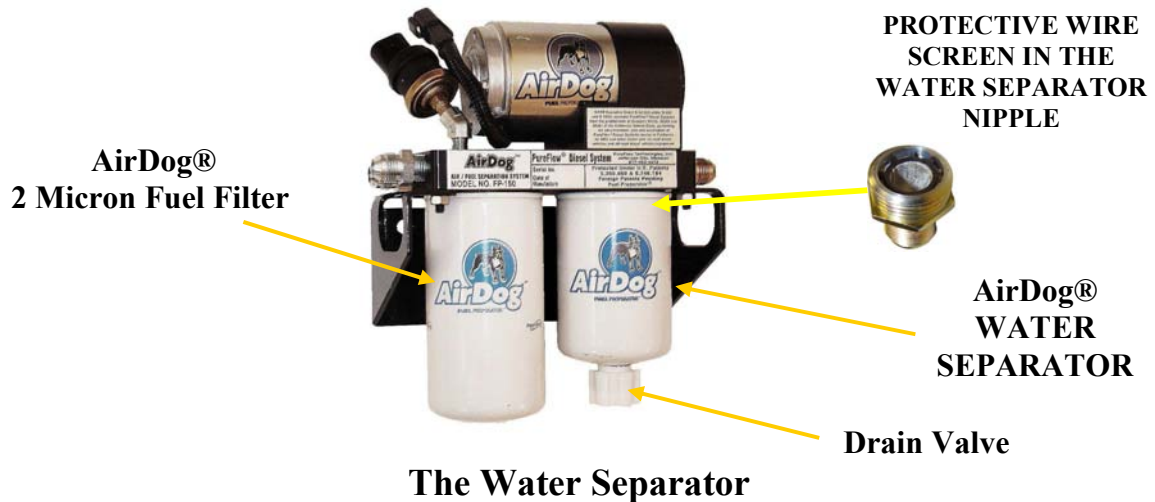
Note: Each *AirDog*® II has been manufactured in a Quality Controlled process and wet tested for operation and performance *before shipment*. This is a very quiet and smooth running system. However, if any fuel fitting on the vacuum side, between the fuel tank and the *AirDog*® II or the water separator, has been left loose during the installation process, the system may suck air at an excessive rate and will be very noisy. Additionally, should the suction line be pinched or restricted, cavitation can cause vapor to form. Vapor passing through the gerotor will also cause loud noise.

To check for this problem, unscrew the water separator 3 or 4 full turns and activate the *AirDog*® II by turning the ignition switch to on. If the *AirDog*® II runs quietly, then excessive air from a loose fitting, leaking pre-filter seal or vapor caused by restriction and a high vacuum is most likely the reason for the excessive noise. Correct as necessary.

- A. Check all fittings, especially the quick connect at the tank.
- B. For the *AirDog*® II gerotor pump to operate quietly, the maximum vacuum level allowable at the fuel inlet port should be no greater than 12" hg.

Filter Service Recommendations

Plugging of either the fuel filter, the screen in the water separator nipple or the water separator itself will cause low fuel pressure and low flow to the engine. Should you experience low fuel pressure, first check the screen in the water separator nipple. If it is blocked by a film or debris, unscrew the nipple from the base, clean the screen, and then re-install the nipple. If the screen is not restricted, check the water separator for plugging and restriction, then replace as necessary! If the low fuel pressure issue continues, replace the fuel filter.



The Water Separator

Replace the water separator every other time you change the Fuel Filter or if it becomes damaged or plugged. It is suggested to check/drain the water separator every three months or as needed should you experience excessive ‘water in fuel’ conditions. When installing the water separator, be sure to clean the underside of the AirDog®II base. Follow the instructions printed on the pre-filter for proper tightening procedures.

Caution: Be extremely careful to prevent any contaminants or debris from entering the pre-filter when removing it for cleaning! Large debris will jam the Gerotor and cause the fuse to blow. This is not a warranty item. Should this happen, you can easily put the system back into working order. See the instructions on “How to clean the Gerotor” for proper procedures.

The Fuel Filter

Remove the fuel filter by turning it counter clockwise. Do Not pre-fill the fuel filter with fuel. The AirDog® will fill the filter and prime the system automatically. Follow the instructions on the filter for proper tightening procedures.

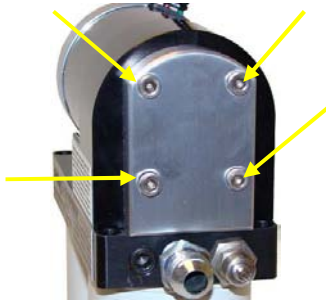
CAUTION: Dispose of waste fuel and used filters properly to protect OUR environment!

Section 9

Cleaning the Gerotor Assembly

Cleaning Debris from the Gerotor Assembly

Step 1



Remove the four (4) socket head cap crews that secure the gerotor cap.

Step 2



Carefully remove the O-rings, you will need to re-use it.

Step 3



Remove and clean the gerotor. Be very careful not to damage the gerotor.

Step 4



Remove the O-rings and clean the inside of the gerotor pocket

Step 5



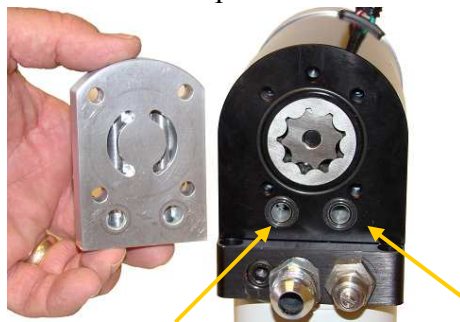
Replace the center gear.

Step 6



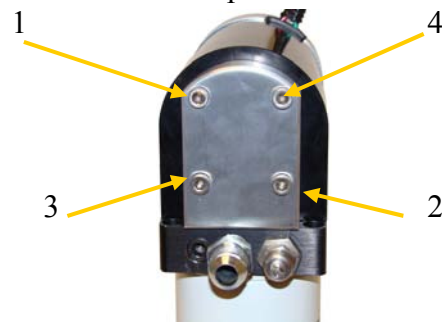
Align and install the outer gear and O-rings.

Step 7



Install the gerotor cap. Be very careful not to dislodge or pinch the O-rings.

Step 8



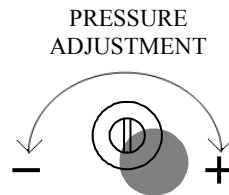
Loose assemble the cap screws. Torque the cap screws in an opposing pattern.

AirDog®II DF-100, DF-165 & DF-200 with Adjustable Pressure Regulator!
The AirDog®II rises to a new level of excellence with an *Adjustable Regulator* machined from stainless steel with a double O-ring seal system and a soft seat piston.

VP-44 & CP-3 Pressure Adjustment



**Loosen the Jam Nut
Re-Torque After Adjusting**



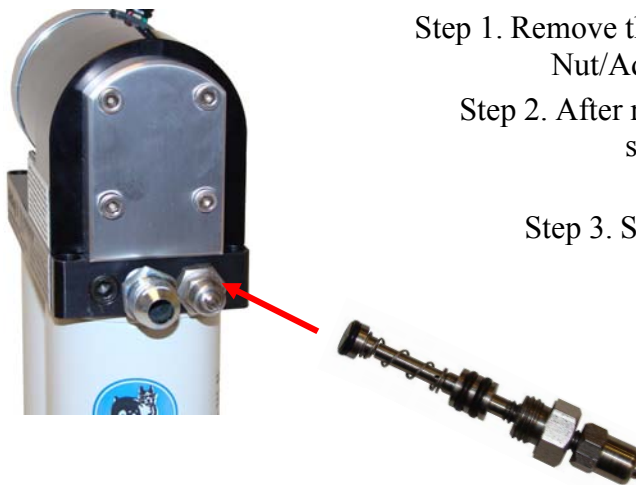
**Use a Screwdriver to Adjust
the Pressure Regulator**

To set the DF-165 Regulator at approximately 15 PSI w/out using a pressure gauge, turn the regulator counter clockwise until it stops, then turn the regulator clockwise 2 full turns.

USE A PRESSURE GAUGE WHEN ADJUSTING THE DF-200!

Turn the adjustor screw counter clockwise to reduce the output pressure or clock wise to increase the pressure. Be sure to re-torque the Jam Nut after adjusting the regulator.

Changing the Regulator Spring



Step 1. Remove the regulator by turning the “Base Nut/Adjustor Body” counter clockwise.

Step 2. After removing the regulator assembly, slide the piston from the regulator assembly and remove the spring.

Step 3. Slide the new spring into position, replace the piston.

Step 4. Replace the assembly in the base. Tighten the Base Nut to proper torque.

PUREFLOW AIRDOG
LIFETIME LIMITED EXPRESS WARRANTY

FOR
All PureFlow AirDog I, II and Raptor Systems

IMPORTANT NOTICE

TO ACTIVATE YOUR PUREFLOW AIRDOG WARRANTY, YOU MUST COMPLETE AND MAIL YOUR WARRANTY CARD TO PUREFLOW AIRDOG WITH A COPY OF YOUR ORIGINAL SALES RECEIPT WITHIN 30 DAYS OF PURCHASE. FAILURE TO COMPLETE AND SUBMIT YOUR WARRANTY CARD WILL RESULT IN A WARRANTY PERIOD OF THE COVERED PRODUCE TO ONE (1) YEAR FROM THE DATE OF PURCHASE.

PureFlow AirDog (hereafter collectively, "SELLER") warrants and guarantees only to the Original Purchaser (hereafter collectively, BUYER) that All PureFlow AirDog Systems (hereafter collectively, PRODUCT) shall be free from defects of materials and workmanship in the manufacturing process for as long as the BUYER owns the PRODUCT.

The Lifetime Limited Express Warranty is limited to the PRODUCT purchased by the original BUYER of the PRODUCT and limited solely to the parts contained within the PRODUCT and EXCLUDES ALL ELSE INCLUDING FILTERS AND WATER SEPARATORS. Any PRODUCT that is in question of Warranty must be returned, shipped prepaid, to PureFlow AirDog. All Warranty claims are subject to the approval of PureFlow AirDog. If it is determined that a Warranty claim exists, PureFlow AirDog will, at its sole discretion, replace the defective PRODUCT with a comparable PRODUCT, repair the defective PRODUCT, or refund the BUYER'S purchase price in exchange for the PRODUCT. Repairs or replacements are warranted for only the remainder of the original warranty period and only to the original BUYER.

Under no circumstances shall the SELLER be liable for any labor charged or travel time incurred in the diagnosis for defects, removal, or reinstallation of the PRODUCT, or any contingent expense.

Under no circumstances will the SELLER be liable for any damage or expense incurred by reason of the use or sale of the PRODUCT.

Other than expressly set forth herein, the SELLER shall in no way be responsible for the proper or improper use and service of the PRODUCT. In no event shall the SELLER be liable for any special, incidental, indirect or consequential damages of any kind or nature, whether or not the BUYER of the PRODUCT was advised of the possibility of damage or harm, arising or resulting from the use or performance of the PRODUCT and BUYER hereby waives the right to any and all such claims.

BUYER, acknowledges that he/she is not relying on SELLER'S skill or judgment to select or furnish goods suitable for any particular purpose and that SELLER has no liability that will extend beyond the scope of the LIMITED EXPRESS WARRANTY contained herein, and BUYER hereby waives all remedies or liabilities, expressed or implied, arising by operation of law or otherwise.(including, without limitation, any obligation of SELLER with respect to fitness for any particular purpose; merchantability; and special, incidental, indirect or consequential damages) or whether or not occasioned by SELLER'S negligence.

SELLER disclaims any warranty and expressly disclaims any liability for personal inquiry or damages related to BUYER'S use of the PRODUCT. BUYER acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and BUYER agrees to indemnify SELLER and hold SELLER harmless from any claim related to the PRODUCT and its use or performance. Under no circumstances will SELLER be liable for any damages, liabilities, costs or expenses incurred as a result of or by reason of use, performance or sale of the PRODUCT, including without limitation, any damages, liabilities, costs or expenses incurred by reason of BUYER'S negligence related to those uses of the PRODUCT.

The proper installation of the PRODUCT is the sole responsibility of the BUYER. The SELLER assumes no liability regarding improper installation or misapplication of the PRODUCT.

SELLER hereby provides the following limited warranty as to description, quality, merchantability, fitness for the PRODUCT'S purpose, productiveness, or any other matter of SELLER'S PRODUCT sold herewith. The SELLER

shall be in no way responsible for the open use and service of the PRODUCT and the BUYER hereby waives all rights other than those expressly written herein. This Warranty shall not be extended or varied except by a written instrument signed by SELLER and BUYER.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT, THE BUYER MAY PROMPTLY RETURN THE PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND. THE BUYER AGREES THAT THE INSTALLATION OF THIS PRODUCT CONFIRMS THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS THE TERMS AND CONDITIONS OF THIS AGREEMENT.

Warranty Procedure

In the unlikely event a warranty appears as if it may be warranted, the following steps are taken:

- 1 The customer discussed the symptoms of the problem with a PureFlow AirDog Technician. The customer is to have the system Serial Number and Model Number available for the Technician when the call is made. This will expedite all steps of the process.
- 2 The customer performs any and all tests requested by the PureFlow AirDog Technician. This is done to isolate the potential problem while eliminating potential installation or maintenance related issues,
- 3 If the PureFlow AirDog Technician determines based on the customer feedback concerning the requested testing that system may be at fault, the customer is advised that all returned pumps are tested upon arrival and should this returned pump perform at design criteria upon arrival, the customer will be charged a \$50.00 fee.
- 4 The PureFlow AirDog Technician will first request the customer's phone number in the event the phone call is accidentally disconnected and then transfer the customer to a PureFlow AirDog Customer Service Representative. Should a Customer Service Representative not be available, the Technician will offer the Customer the option to hold, call back, or receive a return call.
- 5 The PureFlow AirDog Customer Service Representative will check to determine if the customer's Warranty Registration Card is on file.
 - a. If no Warranty Registration is found, the customer will be required to supply the original purchase receipt showing the purchase date.
 - b. If no Warranty Registration is found, the customer will be advised of the options should the system in question is out of the default warranty period (1 year).
- 6 The PureFlow AirDog Customer Service Representative will request the customer information, including: Name, Address, Phone Number, Model Number, Serial Number, Year / Make / Model of vehicle, Name of Dealer purchased from, Purchase Date, Description of Problem, Customers' understanding of the resolution, and customer credit card information.
- 7 PureFlow AirDog will cover Ground Shipping charges to ship the replacement unit and will include a prepaid shipping label for the return of the defective unit. Any additional items ordered at the time of the replacement shipment will include their portion of the shipping cost.
- 8 A period of 15 Calendar Days from the time of shipment is provided for the receipt of the defective unit at the PureFlow AirDog facility. Failure to return ship the defective unit to arrive within the defined time period will result in a charge of \$250.00 against the customer's credit card as the purchase cost of the defective unit.