

**banks**

with Installation Instructions  
**Owner's Manual**

**Banks Ram-Air® Filter**  
*with Silencer Delete Tube*

**2014-2015 3.0L EcoDiesel Ram 1500**

THIS MANUAL IS FOR USE WITH SYSTEM 42260

**banks**

**THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK.**

**Do not use this product until you have carefully read the following agreement.**

**This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts its terms and conditions.**

## **Disclaimer of Liability**

Gale Banks Engineering Inc., and its distributors, employees, and dealers (hereafter "**SELLER**") shall in no way be responsible for the product's proper use and service. The **BUYER** hereby waives all liability claims.

The **BUYER** acknowledges that he/she is not relying on the **SELLER's** skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extended beyond the description on the face hereof and the **BUYER** hereby waives all remedies or liabilities, expressed or implied, arising by law or otherwise, (including without any obligations of the **SELLER** with respect to fitness, merchantability, and consequential damages) whether or not occasioned by the **SELLER's** negligence.

The **BUYER** is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications and agrees to hold the **SELLER** harmless from any damage resulting from the failure to adhere to such specifications.

The **SELLER** disclaims any warranty and expressly disclaims any liability

for personal injury or damages. The **BUYER** acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the **BUYER** agrees to indemnify the **SELLER** and to hold the **SELLER** harmless from any claim related to the item of the equipment purchased. Under no circumstances will the **SELLER** be liable for any damages or expenses by reason of the use or sale of any such equipment.

The **BUYER** is responsible to obey all applicable federal, state, and local laws, statutes, and ordinances when operating his/her vehicle, and the **BUYER** agrees to hold **SELLER** harmless from any violation thereof.

The **SELLER** assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt, contact the manufacturer.

The **BUYER** is solely responsible for all warranty issues from the automotive manufacturer.

## **Limitation of Warranty**

Gale Banks Engineering Inc. (hereafter "**SELLER**"), gives Limited Warranty as to description, quality, merchantability, fitness for any particular purpose, productiveness, or any other matter of **SELLER's** product sold herewith. The **SELLER** shall be in no way responsible for the product's open use and service and the **BUYER** hereby waives all rights except those expressly written herein. This Warranty shall not be extended or varied except by written instrument signed by **SELLER** and **BUYER**.

your product. All products that are in question of Warranty must be returned shipping prepaid to the **SELLER** and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Gale Banks Engineering Inc.

Under no circumstance shall the **SELLER** be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other contingent expense.

Under no circumstances will the **SELLER** be liable for any damage or expenses incurred by reason of the use or sale of any such equipment.

**IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT:**

**The BUYER may promptly return this product, in a new and unused condition, with a dated proof-of-purchase, to the place-of-purchase within thirty (30) days from date-of-purchase for a full refund, less shipping and/or restocking fee.**

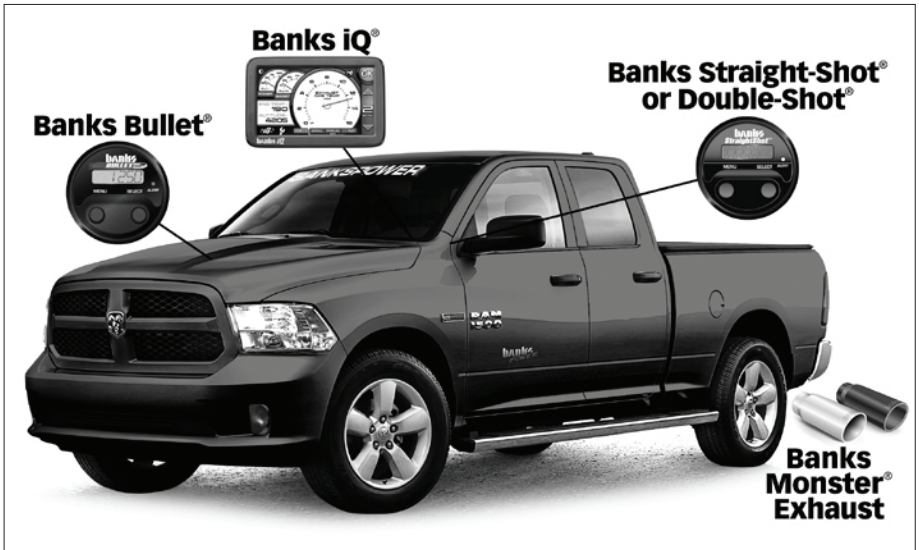
**The installation of this product indicates that the BUYER has read and understands this agreement and accepts its terms and conditions.**

***NOTICE:*** Before proceeding with these instructions, please carefully read the **DISCLAIMER OF LIABILITY and LIMITATION OF WARRANTY** statement located on page 2 of this manual.

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# Products available from Banks Power for the 2015 Ram 1500 3.0L EcoDiesel



## **Banks Monster® Single Side Exit Exhaust (P/N 48601, P/N 48601-B)**

## **Banks Monster® Dual Rear Exit Exhaust (P/N 48602, P/N 48602-B)**

- Increases exhaust flow, cuts backpressure, lowers exhaust gas temperatures (EGTs) & increases power.

## **Banks Straight-Shot® Water-Methanol Injection (P/N 45000)**

- Maximizes Engine Performance
- Cools Intake Temperatures
- Digital Controller (included)
- Plug-and-Play wiring
- Greater flow than the competition
- Higher Pump Volume than the competition
- Multiple configurations available

## **Banks Double-Shot® Water-Methanol Injection (P/N 45002)**

- The Double-Shot system offers the same benefits of the Straight-Shot and adds a second stage for increased output and control.
- EGT sensor is included to serve as a trigger or auxiliary sensor.
- Multiple Tanks Sizes Available.

## **Banks iQ® System (P/N 61201)**

- Displays EGT & DPF status, Engine Oil temp and other vital engine parameters
- 5" touchscreen interface
- Interchangeable gauge display, read and clear codes, monitor engine diagnostics, log data, time your vehicles runs and much more.
- Built-in rechargeable lithium-ion battery automatically charging while connected to the vehicle
- Built-in GPS antenna
- Hands-free calling
- Backup camera ready
- Navigation ready

## **Banks Bullet® Tuner (P/N 66526)**

- Tunable (stock/tow/sport levels), plug-and-play power adder
- Displays boost and added fuel percentage.
- Adds up to **33HP/57 lb-ft** tuner only, and up to **42HP/75 lb-ft** with airflow improvements

## **COMING SOON:**

## **Banks Techni-Cooler® Intercooler System**

- It's all bigger: boost tubes, aluminum end tanks, inlet/outlet and core area. Much greater flow volume. Increases air density for higher continuous power.

# General Installation Practices

If you have any questions concerning the installation of your Banks Monster Exhaust System, please call our Technical Service Hotline. If you have any questions relating to shipping or billing, please contact our Customer Service Department.

Thank you.

1. Before starting work, familiarize yourself with the installation procedure by reading all of the instructions.
2. The exploded view (**Figure 1**) provides only general guidance. Refer to each step and section diagram in this manual for proper instruction.
3. Throughout this manual, the left side of the vehicle refers to the driver's side, and the right side to the passenger's side.
4. Disconnect the negative (ground) cable from the battery (or batteries, if there are two) before beginning work.
5. Route and tie wires and hoses a minimum of 6" away from exhaust heat, moving parts and sharp edges. Clearance of 8" or more is recommended where possible.
6. When raising the vehicle, support it on properly weight-rated safety stands, ramps or a commercial hoist. Follow the manufacturer's safety precautions. Take care to balance the vehicle to prevent it from slipping or falling.

When using ramps, be sure the front wheels are centered squarely on the

topsides. When raising the front of the vehicle, put the transmission in park, set the parking brake, and block the rear wheels. When raising the back of the vehicle, be sure the vehicle is on level ground and the front wheels are blocked securely.

**⚠ CAUTION:** Do not use floor jacks to support the vehicle while working under it. Do not raise the vehicle onto concrete blocks, masonry or any other item not intended specifically for this use.

7. During installation, keep the work area clean. Do not allow anything to be dropped into intake, exhaust, or lubrication system components while performing the installation, as foreign objects will cause immediate engine damage upon start-up.

## Tools Required:

- Standard and Metric sockets, extensions and ratchet.
- Standard and Phillips screwdrivers

## Highly recommended tools and supplies:

- Penetrating oil or light lubricant spray

# Section 1

## INSTALLATION OF BANKS RAM-AIR® FILTER AND INTAKE TUBE

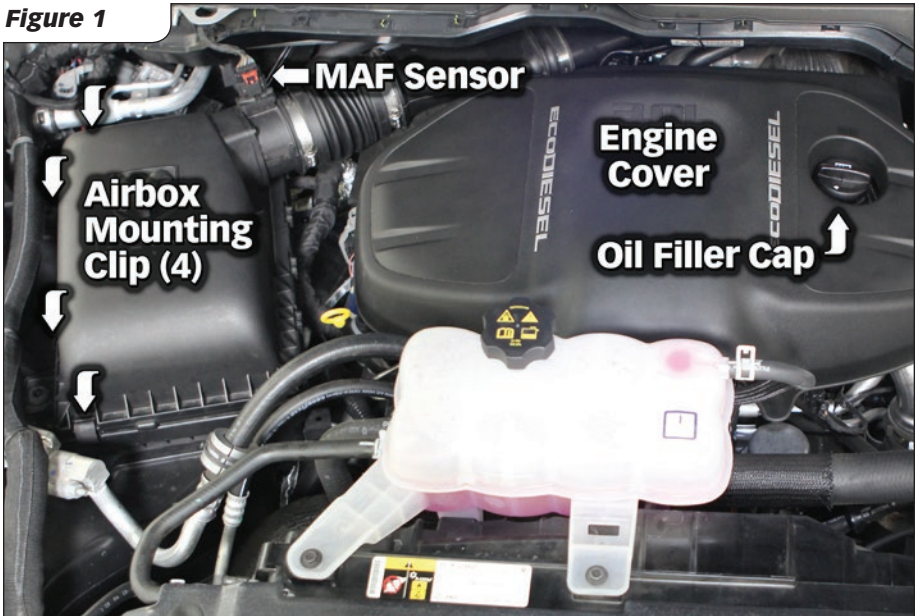
1. Disconnect the battery ground cables from each battery (if so equipped). Secure the cables so that they do not come in contact with the battery posts during the installation.
2. Remove oil filler cap, and then remove the engine cover by lifting up at the front to release the rubber socket mounts, and pulling forward to release from the rear mounts. Reinstall oil filler cap. See **Figure 1**.
3. Disconnect the Mass Air Flow (MAF) sensor connector by first lifting up on the red lock slider until it releases, then depress the connector latch and lift the connector away from the sensor.
4. Remove the airbox and intake duct by first loosening the compressor inlet duct hose clamp at the compressor (see **Figure 2**) - 5/16 socket, extensions, ratchet. Unhook each of the latches securing the airbox lid to

the airbox, lift up on the outer edge of the airbox cover to release the finger catches, then lift up on the intermediate plastic tube / silencer to disengage it from the rubber mount and remove the assembly from the vehicle. See **Figure 3**.

**NOTICE:** Cover the compressor inlet and air filter with clean rags to prevent any foreign objects from accidentally entering the induction system.

5. Remove stock air filter by gently lifting upward and away from stock housing. Install new Banks Ram-Air Filter into stock housing. Gently push around outer seam making sure it is seated into the housing.
6. Remove stock intake duct silencer tube from stock air-box lid by loosening the hose clamp at the MAF sensor bellows (See **figure 3**) - 5/16 socket, extensions, ratchet, gently

**Figure 1**



pulling it from the bellows. Reinstall the stock air-box lid making sure to insert the lid back into the finger catches on the bottom housing and snap all hook latches securing the lid to the bottom housing.

**7.** Install the new Banks Intake Tube into the compressor inlet duct hose (oval end). Gently install the remaining end (round end) into the MAF sensor bellows. Check to make sure both ends of the intake tube align properly then re-tighten their respective clamps.

**8.** Re-connect the Mass Air Flow (MAF) harness into the Mass Air Flow (MAF) sensor. Re-install engine cover making sure it is properly seated in the front rubber mounts. Reconnect battery ground cables for each battery (if so equipped).

**NOTICE:** As a precautionary check go over the entire installation to ensure that all clamps are tight, wiring and hoses are properly routed, and connections are correct and tight.

–[ End Section 1 ]–

Figure 2



Figure 3



## Section 2

### PLACEMENT OF THE BANKS POWER DECALS

–[ End Section 2 ]–



# Section 3

## AIR FILTER CLEANING INSTRUCTIONS

### OILED AIR FILTER ONLY

***NOTICE***: The Banks Ram-Air Oiled Air Filter comes pre-oiled and no oiling is necessary for initial installation. Use Banks Ram-Air Filter Cleaning System (part#90094), available from Gale Banks Engineering to service the Air Filter. Follow the instructions included with the cleaning system to clean and re-oil your Bank Ram-Air Oiled Air Filter.

#### 1. PRE-CLEANING

Tap the element to dislodge any large embedded dirt, then gently brush with a soft bristle brush. *NOTE: If complete cleaning is not practical at this time, recoil the element and reinstall in your vehicle.*

#### 2. SPRAY-ON CLEANING

Spray air-filter cleaner liberally onto the entire element and let soak for 10 minutes.

#### 3. PAN CLEANING

Large air-filter elements can be rolled or soaked in a shallow pan of air-filter cleaner. Remove immediately and let soak for approximately 10 minutes.

***NOTICE***: NEVER use gasoline, steam, caustic solutions, strong detergents, high-pressure nozzles, or cleaning solvents to clean the filter element. All of these can cause harm to the filter media as well as SHRINK and HARDEN the rubber end caps.

#### 4. RINSING

Rinse off the element with low-pressure water. Tap water is okay. Always flush from the clean side to dirty side. This removes the dirt

and does not drive it into the filter.

#### 5. DRYING

Always dry naturally. After rinsing, shake off all excess water and let the element dry naturally.

#### 6. AEROSOL OILING

After cleaning air filter always reoil before using. Spray air filter oil down into each pleat with one pass per pleat. Wait 10 minutes and re-oil any white spots still showing.

#### 7. OILING HINTS

Never use a Banks Ram-Air filter without oil (the filter will not stop the dirt without the oil). Use only air filter oil. Air-filter oil is a compound of mineral and animal oil blended with special polymers to form a very efficient tack barrier. Red dye is added to show just where you have applied the oil. Eventually the red color will fade but the oil will remain and filter the air. NEVER USE Automatic Transmission Fluid. NEVER USE Motor Oil. NEVER USE Diesel Fuel. NEVER USE WD40, LPS, or other light-weight oils.

#### 8. REINSTALL

Reinstall your Banks Ram-Air filter element with proper care. Make sure the element seats properly in the filter case. Install the cover making sure it's in the right position. Tighten all the nuts, bolts, screws or clips to factory specifications.

#### 9. DO NOT DISCARD

Affix the "Do Not Discard" sticker to the filter case (included with every Banks replacement element). Make sure you put the sticker in a highly visible place to alert your mechanic not to discard.

#### 10. PERFORMANCE HINTS

Service every 50-100,000 miles on



street-driven applications. Service more often in offroad or heavy-dust conditions. If an air-filter restriction gauge is installed, then change the element when the air-filter restriction reaches 18"–H.O.

**⚠ CAUTION:** **Extremely fine dust from agriculture or offroad use will pull the oil from the element. Frequent reoiling of the element's clean side might be required. Completely service when practicable. For extra protection use an air-filter sealing grease on rubber ends of the element. Service only with air-filter cleaner and air-filter oil.**

## DRY FILTER CLEANING

Clean every 50-100,000 miles on street-driven applications. Clean more often in offroad or heavy-dust conditions. If an air-filter restriction gauge is installed, then change the element when the air-filter restriction reaches 18"–H.O.

### 1. PRE-CLEANING

Carefully tap the air filter element to dislodge any large embedded dirt or debris.

### 2. CLEANING

Spray an appropriate DRY AIR-FILTER CLEANER SOLUTION liberally onto both sides of the entire filter element with the majority applied to the dirty side. Soak for 10 minutes. Do not allow the DRY AIR-FILTER CLEANER SOLUTION to dry on the air filter.

**NOTICE:** **NEVER use gasoline, steam, caustic solutions, strong detergents, high-pressure nozzles, or cleaning solvents to clean the filter element.** All of these can cause harm to the filter media as well as SHRINK and HARDEN the rubber end caps.

### 3. RINSING

Rinse the filter element with cool or warm (not hot) water from the clean side out in order to flush the dirt out of the filter. It may be necessary to use your fingers on the hose to apply light water pressure. Repeat steps 2 and 3, until the water flowing through the media is completely clear of any dirt and debris.

### 5. DRYING

After rinsing, gently shake off excessive water and allow to dry naturally. Re-install the filter onto the intake system, airbox or custom assembly once it is dry or just slightly damp. Follow all original installation instructions.

### 6. REINSTALL

Reinstall your Banks Ram-Air filter element with proper care. Make sure the element seats properly in the filter case. Install the cover making sure it's in the right position. Tighten all the nuts, bolts, screws or clips to factory specifications.

### 7. DO NOT DISCARD

Affix the "Do Not Discard" sticker to the filter case (included with every Banks replacement element). Make sure you put the sticker in a highly visible place to alert your mechanic not to discard.

### 8. PERFORMANCE HINTS

Service every 50-100,000 miles on street-driven applications. Service more often in offroad or heavy-dust conditions. If an air-filter restriction gauge is installed, then change the element when the air-filter restriction reaches 18"–H.O.

-END, SECTION 3-