

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-245-16

Relating to Exemptions under  
Section 27156 of the Vehicle Code

BBK Performance  
Shorty Headers

Pursuant to the authority vested in the Air Resources Board (ARB) by Section 27156 of the Vehicle Code (VC); and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That installation of the Shorty Headers, manufactured by BBK Performance, 27440 Bostik Court, Temecula, California 92590, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems, and therefore, the Shorty Headers are exempt from the prohibitions in VC Section 27156 for installation on the following vehicles applications listed in Exhibit A.

The headers are a shorty style header design, manufactured out of 14 gage mild steel or 16 gage stainless steel. The oxygen sensor is retained in the stock location at a collector. The headers may include a connecting Y-pipe that is also manufactured out of 14 gage mild steel or 16 gage stainless steel.

This Executive Order is valid provided that the installation instructions for the Shorty Headers will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Shorty Headers, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

This Executive Order is granted based on submitted emission test data generated on a 2012 model year Ford Mustang, equipped with a 3.7L engine and modified with the Shorty Headers. Test results showed that emission levels, with the Shorty Headers installed, met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle and the Supplemental Federal Test Procedure (SFTP US06) test cycle. Examination of the OBD II system showed that the Shorty Headers did not affect OBD II system operation. Results from emissions testing conducted at Quantum

Technologies, located at Lake Forest, California, are shown below, in grams per mile, with deterioration factors (df) applied.

|                         | CVS-75 FTP |     |      |       |
|-------------------------|------------|-----|------|-------|
|                         | NMOG       | CO  | NOx  | HCHO  |
| Standards, Useful Life* | 0.070      | 2.1 | 0.04 | 0.011 |
| Device Test w/df        | 0.065      | 0.9 | 0.04 | 0.000 |

|              | US06     |     |
|--------------|----------|-----|
|              | NMHC+NOx | CO  |
| Standards 4k | 0.14     | 8.0 |
| Device       | 0.02     | 0.5 |

\* USEPA Bin 4, Counted as LEV II ULEV, CVS-75 FTP emissions standards, useful life.

The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

**THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE SHORTY HEADERS.**

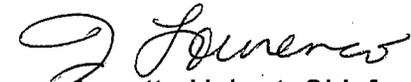
Marketing of the Shorty Headers using any identification other than that shown in this Executive Order or marketing of the Shorty Headers for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

This Executive Order shall not apply to any Shorty Headers advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 15<sup>th</sup> day of April 2014.



Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



## Exhibit A

| <b>Shorty Headers Part #</b> | <b>Description</b>  |
|------------------------------|---|
| 1442                         | 2011-14 MUSTANG 3.7L V6 TUNED-LENGTH HEADERS (CHROME)   |
| 14420                        | 2011-14 MUSTANG 3.7L V6 TUNED-LENGTH HEADERS (SILVER CERAMIC)   |
| 1511                         | 86-93 FORD MUSTANG 351 SWAP 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME)                             |
| 15110                        | 86-93 FORD MUSTANG 351 SWAP 1-5/8" EXHAUST HEADERS (SILVER CERAMIC COATED)                                  |
| 1612                         | 05-10 FORD MUSTANG GT 1-5/8" SHORTY TUNED-LENGTH HEADERS (CHROME)   |
| 16120                        | 05-10 FORD MUSTANG GT 1-5/8" SHORTY TUNED-LENGTH HEADERS (SILVER CERAMIC COATED)                            |
| 16125                        | 05-10 FORD MUSTANG GT 1-5/8" SHORTY TUNED-LENGTH HEADERS (STAINLESS STEEL)                                  |
| 1615                         | 96-04 FORD MUSTANG GT 1-5/8" SHORTY TUNED-LENGTH HEADERS (CHROME)   |
| 16150                        | 96-04 FORD MUSTANG GT 1-5/8" SHORTY TUNED-LENGTH HEADERS (SILVER CERAMIC COATED)                            |
| 1632                         | 2011-14 MUSTANG GT 1-3/4" TUNED-LENGTH HEADERS-CHROME   |
| 16320                        | 2011-14 MUSTANG GT 1-3/4" TUNED-LENGTH HEADERS-CERAMIC  |
| 16325                        | 2011-14 MUSTANG GT 1-3/4" TUNED-LENGTH HEADERS- 304 S.S   |
| 1634                         | 87-04 MUSTANG COYOTE SWAP HEADERS- CHROME   |
| 16340                        | 87-04 MUSTANG COYOTE SWAP HEADERS- CERAMIC COATED   |
| 3510                         | 87-95 FORD F-150 302 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME) DOES NOT FIT BRONCO                |
| 35100                        | 87-95 FORD F-150 302 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED) DOES NOT FIT BRONCO |
| 3511                         | 87-95 FORD F-150 351 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME) DOES NOT FIT BRONCO                |
| 35110                        | 87-95 FORD F-150 351 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED) DOES NOT FIT BRONCO |
| 3515                         | 97-03 FORD F-150 / 97-02 EXPEDITION 4.6L 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME)                |
| 35150                        | 97-03 FORD F-150 / 97-02 EXPEDITION 4.6L 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED) |
| 3516                         | 97-98 FORD F-150/EXPEDITION 5.4L 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME)                        |
| 35160                        | 97-98 FORD F-150/EXPEDITION 5.4L 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED)         |
| 3518                         | 99-03 FORD F-150 / 97-02 EXPEDITION 5.4L 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME)                |
| 35180                        | 99-03 FORD F-150 / 97-02 EXPEDITION 5.4L 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED) |
| 4008                         | 99-04 FORD MUSTANG 3.8L-V6 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (CHROME)                              |
| 40080                        | 99-04 FORD MUSTANG 3.8L-V6 1-5/8" SHORTY TUNED LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED)               |
| 4010                         | 05-10 FORD MUSTANG 4.0L-V6 1-5/8" SHORT TUNED-LENGTH EXHAUST HEADERS (CHROME)                               |
| 40100                        | 05-10 FORD MUSTANG 4.0L-V6 1-5/8" SHORT TUNED-LENGTH EXHAUST HEADERS (SILVER CERAMIC COATED)                |

