

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-200-21  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

DOUG THORLEY  
Exhaust Headers

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

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the Exhaust Headers manufactured by Doug Thorley of 1561 Commerce Street, Corona, California 91720, has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for those applicable vehicles as listed in Exhibit A of this Executive Order.

The Doug Thorley's Exhaust Headers are of a long tube style design. Installation may require the use of a connecting Y pipe. Both the exhaust header and Y pipe are manufactured out of 14 gage mild steel. On vehicles that are equipped with an oxygen sensor, the sensor is located either on the header's collector or at the top of the Y pipe similar to the vehicles stock configuration.

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

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

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

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

This Executive Order does not constitute any opinion as to the effect the use of the device may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emissions test data conducted at California Analytical Instruments on a 1999 General Motors 5.3L truck and a 1999 Dodge 5.9L Durango, both certified to the low emission vehicle (LEV) emission standards. Test results showed that tailpipe emissions with the Doug Thorley Headers installed on the trucks meet the applicable emission standards during a Cold Start CVS-75 Federal Test Procedure.

1999 General Motors 5.3L truck

|              | NMOG  | CO  | NOX | HCHO  |
|--------------|-------|-----|-----|-------|
| Standards    | 0.160 | 4.4 | 0.4 | 0.018 |
| Device w/dfs | 0.118 | 2.3 | 0.3 | 0.001 |

1999 Dodge 5.9L Durango

|              | NMOG  | CO  | NOX | HCHO  |
|--------------|-------|-----|-----|-------|
| Standards    | 0.160 | 4.4 | 0.4 | 0.018 |
| Device w/dfs | 0.159 | 2.8 | 0.2 | 0.002 |

This Executive Order is also based on the On Board Diagnostic II (OBD II) testing conducted on the same test vehicles. Test data showed that the headers when installed on the vehicles did not affect the vehicles' ability to perform their OBD II monitoring.

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

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.

- Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after ten days 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 will 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.

Executive Order D-200-20, dated July 1999, is superseded and of no further force and effect.

Executed at El Monte, California, this 15<sup>th</sup> day of March 2001.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division

## EXHIBIT A

CHRYSLER CORPORATION VEHICLES

| <u>Years</u> | <u>Applications</u>        | <u>Engines</u>   | <u>Part #</u> |
|--------------|----------------------------|------------------|---------------|
| 1982 - 87    | Vans / Motorhomes          | 273 - 360        | 106Y          |
| 1982 - 87    | Vans / Motorhomes          | 273 - 360        | 107Y          |
| 1982 - 93    | Trucks                     | 273 - 360        | 114Y          |
| 1982 - 93    | Trucks                     | 273 - 360        | 115Y          |
| 1982 - 95    | Class "A" Motorhomes       | 273 - 360        | 147Y          |
| 1979 - 89    | D50 / Arrow Pickups        | 2.0L 4 cyl       | 131Y          |
| 1979 - 82    | D50 / Arrow Pickups        | 2.0 & 2.6L 4 cyl | 133Y          |
| 1996 - 99    | Dodge Ram P/U 2WD          | 488 V-10 FED     | 160Y          |
| 1994 - 99    | Dodge Ram P/U 4WD          | 488 V-10 CAL     | 161Y          |
| 1996 - 95    | Dodge Ram P/U 2WD          | 273 - 360        | 162Y          |
| 1996 - 99    | Dodge Ram P/U              | 273 - 360        | 163Y          |
| 1994 - 95    | Dodge Ram P/U 4WD          | 273 - 360        | 164Y          |
| 1996 - 99    | Dodge Ram P/U              | 273 - 360        | 165Y          |
| 1995         | Dodge Class "A" Motorhomes | 488 V-10         | 170Y          |
| 1989 - 91    | Dakota P/U                 | 273 - 360        | 189Y          |
| 1992 - 94    | Dakota P/U                 | 273 - 360        | 190Y          |
| 1992 - 94    | Dakota P/U                 | 273 - 360        | 191Y          |
| 1994         | Dakota P/U                 | 273 - 360        | 192Y          |
| 1995         | Dakota P/U                 | 273 - 360        | 193Y          |
| 1995         | Dakota P/U                 | 273 - 360        | 194Y          |
| 1998 - 99    | Durango 2WD                | 318 - 360        | 196Y          |
| 1998 - 99    | Durango 4WD                | 318 - 360        | 197Y          |
| 1996 - 99    | Pick-up 2WD                | 318 - 360        | 196Y          |

CHRYSLER CORPORATION VEHICLES (CON'T)

| <u>Years</u> | <u>Applications</u>      | <u>Engines</u>    | <u>Part #</u> |
|--------------|--------------------------|-------------------|---------------|
| 1996 - 99    | Pick-up 4WD              | 318 - 360         | 197Y          |
| 1981 - 86    | Jeep CJ                  | 4.0L / 4.2L 6 cyl |               |
| 1981 - 86    | Jeep CJ                  | 304 - 401         | 605Y          |
| 1981 - 86    | Jeep CJ                  | 304 - 401         | 606Y          |
| 1981 - 93    | Jeep J Series            | 304 - 401         | 615Y          |
| 1981 - 93    | Jeep J Series            | 304 - 401         | 616Y          |
| 1981 - 93    | Jeep J Series            | 304 - 401         | 617Y          |
| 1993 - 95    | Jeep Grand Cherokee (ZJ) | 273 - 360         | 630Y          |
| 1987 - 92    | Jeep Grand Cherokee (ZJ) | 4.2L 6 cyl        | 632Y          |
| 1987 - 90    | Jeep Cherokee (XJ)       | 4.0L 6 cyl        | 633Y          |
| 1991 - 99    | Jeep Wrangler (YJ)       | 4.0L 6 cyl        | 634Y          |
| 1987 - 95    | Jeep Wrangler (YJ)       | 4.0L 6 cyl        | 636Y          |
| 1996-99      | Jeep Grand Cherokee (ZJ) | 318-360           | 631Y          |

FORD MOTOR CO. VEHICLES

| <u>Years</u> | <u>Applications</u>                  | <u>Engines</u> | <u>Part #</u> |
|--------------|--------------------------------------|----------------|---------------|
| 1987 - 94    | Motorhomes                           | 379 - 460      | 209Y          |
| 1982 - 87    | Trucks / Vans / Class "C" Motorhomes | 379 - 460      | 211Y          |
| 1987 - 91    | Vans / Motorhomes                    | 379 - 460      | 212Y          |
| 1985 - 89    | Gillig Motorhomes                    | 379 - 460      | 213           |
| 1986 - 98    | Trucks / Vans / Motorhomes           | 379 - 460      | 214Y          |
| 1981 - 82    | Trucks                               | 351M - 400M    | 215           |
| 1981 - 82    | Trucks / Vans                        | 351M - 400M    | 225           |
| 1986 - 98    | Trucks F250 / F350                   | 351W           | 244Y          |
| 1979 - 83    | Courier Pickups                      | 1.8L 4 cyl     | 245Y          |

EXHIBIT AGENERAL MOTORS VEHICLES

| <u>Year(s)</u> | <u>Application</u>   | <u>Engine(s)</u> | <u>Part #</u> |
|----------------|----------------------|------------------|---------------|
| 1981 - 88      | Trucks               | 262 - 400        | 300Y          |
| 1996 - 98      | Trucks               | 262 - 400        | 301Y          |
| 1996 - 98      | Trucks               | 262 - 400        | 302Y          |
| 1987 - 91      | Trucks / Motorhomes  | 366 - 454        | 303Y          |
| 1987 - 91      | Trucks 4WD           | 366 - 454        | 304Y          |
| 1987 - 95      | Motorhomes w/Allison | 366 - 454        | 305Y          |
| 1987 - 95      | Motorhomes           | 366 - 454        | 306Y          |
| 1996 - 98      | Trucks               | 262 - 400        | 307Y          |
| 1996 - 98      | Trucks w/ 6"+ lift   | 262 - 400        | 309Y          |
| 1996 - 98      | Trucks w/ 6"+ lift   | 366 - 454        | 310Y          |
| 1981 - 87      | Vans / Motorhomes    | 262 - 400        | 315Y          |
| 1981 - 93      | Vans / Motorhomes    | 262 - 400        | 316Y          |
| 1928 - 95      | Cars / Trucks        | 262 - 400        | 317Y          |
| 1980 - 85      | Chevy LUV Pickups    | 1.8L 4cyl        | 335Y          |
| 1982 - 87      | Trucks 2WD           | 2.8L V-6         | 345           |
| 1985 - 95      | Astro / Safari Vans  | 4.3L V-6         | 346           |
| 1988 - 95      | Trucks 2WD / Vans    | 4.3L V-6         | 347           |
| 1988 - 95      | Trucks 4WD           | 4.3L V-6         | 348           |
| 1987 - 90      | Revcon Motorhomes    | 366 - 454        | 354Y          |
| 1987 - 95      | S-10 / S-15 2WD      | 4.3L V-6         | 361           |
| 1987 - 95      | T-10 / T-15 4WD      | 4.3L V-6         | 362           |
| 1981 - 91      | Trucks 4WD           | 262 - 400        | 364Y          |
| 1983 - 89      | Trucks 4WD           | 2.8L V-6         | 365           |
| 1981 - 91      | Trucks 2WD           | 262 - 400        | 367Y          |

## Exhibit A Cont.

| <u>Year(s)</u> | <u>Application</u>                                                             | <u>Engine(s)</u> | <u>Part #</u>    |
|----------------|--------------------------------------------------------------------------------|------------------|------------------|
| 1980 - 87      | Camaro, Chevelle,<br>El Camino, Monte Carlo,<br>Firebird, Grand Prix,<br>Regal | 262 - 400        | 375Y             |
| 1980 - 82      | Corvette                                                                       | 262 - 400        | 375Y             |
| 1980 - 81      | Camaro                                                                         | 262 - 400        | 376Y             |
| 1982 - 93      | Camaro                                                                         | 262 - 400        | 377Y             |
| 1980 - 88      | Chevelle, Monte Carlo,<br>El Camino, Malibu,<br>Buick, Pontiac, Olds           | 262 - 400        | 378Y             |
| 1988 - 98      | Trucks                                                                         | 262 - 400        | 383Y             |
| 1988 - 95      | Trucks                                                                         | 262 - 400        | 384Y             |
| 1992 - 95      | Suburban / Blazer                                                              | 262 - 400        | 384Y             |
| 1988 - 95      | Trucks                                                                         | 262 - 400        | 385Y             |
| 1988 - 95      | Trucks                                                                         | 262 - 400        | 386Y             |
| 1988 - 95      | Trucks                                                                         | 366 - 454        | 388Y             |
| 1992 - 95      | Suburban / Blazer                                                              | 366 - 454        | 388Y             |
| 1993 - 95      | Trucks                                                                         | 366 - 454        | 389Y             |
| 1988 - 94      | 454 SS Trucks                                                                  | 366 - 454        | 392Y             |
| 1996 - 98      | Trucks                                                                         | 366 - 454        | 396Y             |
| 1996 - 98      | Trucks                                                                         | 366 - 454        | 397Y             |
| 1987 - 91      | Trucks 4WD                                                                     | 366 - 454        | 398Y             |
| 1987 - 91      | Trucks 2WD                                                                     | 366 - 454        | 399Y             |
| 1988 - 95      | Trucks                                                                         | 283 - 400        | 383Y, 385Y, 386Y |
| 1996 - 2000    | Trucks                                                                         | 366 - 454        | 396Y, 397Y       |
| 1996 - 99      | Trucks                                                                         | 262 - 400        | 302Y             |

GEO VEHICLES

| <u>Years</u> | <u>Application</u> | <u>Engine</u>     | <u>Part #</u> |
|--------------|--------------------|-------------------|---------------|
| 1983 - 95    | GEO Tracker        | 1.3L / 1.5L 4 cyl | 700Y          |

ISUZU VEHICLES

| <u>Years</u> | <u>Application</u> | <u>Engine</u> | <u>Part #</u> |
|--------------|--------------------|---------------|---------------|
| 1984 - 87    | Trooper            | 2.3L 4 cyl    | 800Y          |

MITSUBISHI VEHICLES

| <u>Years</u> | <u>Applications</u>          | <u>Engines</u> | <u>Part #</u> |
|--------------|------------------------------|----------------|---------------|
| 1982 - 89    | Mitsubishi Pickups           | 2.0L 4 cyl     | 131Y          |
| 1979 - 89    | Mitsubishi Pickups / Montero | 2.6L 4 cyl     | 133Y          |

NISSAN VEHICLES

| <u>Years</u> | <u>Applications</u>   | <u>Engines</u> | <u>Part #</u> |
|--------------|-----------------------|----------------|---------------|
| 1978 - 80    | Pickups               | 2.0L 4 cyl     | 405Y          |
| 1981 - 88    | Pickups               | NAP-Z 4 cyl    | 450Y          |
| 1986 - 88    | Pickups               | NAP-Z 4 cyl    | 456Y          |
| 1986 - 95    | Pickups / Pathfinders | 3.0L 6 cyl     | 462           |
| 1986 - 95    | Pickups / Pathfinders | 3.0L 6 cyl     | 464           |
| 1989 - 95    | Pickups / Pathfinders | 2.4L 4 cyl     | 490Y          |

SUZUKI VEHICLES

| <u>Years</u> | <u>Applications</u> | <u>Engine</u>     | <u>Part #</u> |
|--------------|---------------------|-------------------|---------------|
| 1983 - 95    | Samurai, Sidekick   | 1.3L / 1.5L 4 cyl | 700Y          |

TOYOTA VEHICLES

| <u>Years</u> | <u>Applications</u> | <u>Engines</u> | <u>Part #</u> |
|--------------|---------------------|----------------|---------------|
| 1982 - 85    | Celica              | 20R / 22R      | 502Y          |
| 1982 - 85    | Supra               | 2.8L 6 cyl     | 530Y          |
| 1981 - 87    | Pickups, 4 Runner   | 20R / 22R      | 542Y          |
| 1984 - 88    | Pickups, 4 Runner   | 20R / 22R      | 550Y          |
| 1988 - 95    | Pickups             | 20R / 22R      | 555Y          |
| 1976 - 81    | Celica              | 20R / 22R      | 502Y          |