

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-210
Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1991 model-year Chrysler Corporation emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: MCR2.5V5FCW1 Displacement: 2.5 Liters (153 Cubic Inches)

Exhaust Emission Control Systems (Special Features):

- Exhaust Gas Recirculation
- Three Way Catalyst
- Heated Oxygen Sensor
- Sequential Multipoint Electronic Fuel Injection
- (Turbocharger)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

| <u>Hydrocarbons</u> <u>(Grams per Mile)</u> | <u>Carbon Monoxide</u> <u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u> <u>(Grams per Mile)</u> |
|--|---|---|
| 0.39 | 7.0 | 0.4 |

The following are the certification emission values for this engine family:

| <u>Hydrocarbons</u> <u>(Grams per Mile)</u> | <u>Carbon Monoxide</u> <u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u> <u>(Grams per Mile)</u> |
|--|---|---|
| 0.25 | 4.7 | 0.2 |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Health and Safety Code Section 43205).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 24th day of January, 1990.


K. D. Drachand, Chief
Mobile Source Division

Manufacturer CHRYSLER CORPORATION Eng. Family MCR2.5V5FCW1

Pass Cars Lt-Duty Trucks Med-Duty Vehicles Gas Diesel

Eng. Type SOHC4 Liter (CID) 2.5(153) Evap. Family MCRVF

Emission Control Sys. (Use SAE Abbrv.) EGR, TWC, HO₂S, SMPI, (TC)

Engine: Front Mid. Rear Drive: FWD RWD 4WD-FT 4WD-PT

| Eng. Code/ (Cert Std.) | Veh. Models (If Coded see Attachmt.) | Trans. Type: A-Auto M-Man. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. | EGR Syst. Part No. | Catalyst Part No. |
|------------------------|---|----------------------------|--------------------|---|-------------------------------|--------------------|-------------------------------|
| M-1 | PPH24, PDH24, PPH44, PDH44 | M5 | 3125 | S E E A T T A C H M E N T | 4557595 | 4287163 | 4427038 4427039 4427039 |
| | PDH27, GVL24, APH41, ADH41, APP41, ADP41, ADX41 | | 3250 | | | | |
| | JCH21, GVS24 | | 3375 | | | | |
| | JCH27 | | 3500 | | | | |
| | | | | | | | |
| A-1 | PPH24, PDH24, PPH44, PDH44 | A-4 | 3125 | | 4557599 | 4287162 | |
| | PDH27, GVL24, ADH41 | | 3250 | | | | |
| | GVS24, ADP41, ADX41 | | 3375 | | | | |
| | JCH21, JCH27, GVX24 | | 3500 | | | | |
| | | | | | | | |

Date of Issue: _____ Revisions: _____

Manufacturer CHRYSLER CORPORATION Eng. Family MCR2.5V5FCW1

Pass Cars Lt-Duty Trucks Med-Duty Vehicles Gas Diesel

Eng. Type SOCH4 Liter (CID) 2.5(153) Evap. Family MCRVF

Emission Control Sys. (Use SAE Abbrev.) EGR, TWC, HO₂S, SMPI, (TC)

Engine: Front Mid. Rear Drive: FWD RWD 4WD-FT 4WD-PT

| Eng. Code/ (Cert Std.) | Veh. Models (if Coded see Attachmt.) | Trans. Type: A-Auto M-Man. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. | EGR Syst. Part No. | Catalyst Part No. |
|------------------------|--|----------------------------|--------------------|---|-------------------------------|--------------------|-------------------------------|
| A-2 | PPH24, PDH24 | A3 | 3125 | S E E A T T A C H M E N T | 4557599 | 4287162 | 4427038 4427039 4427041 |
| | PPH44, PDH44 | | 3250 | | | | |
| | PDH27, GVL24, APH41, ADH41, APP41 | | 3375 | | | | |
| | JCH21, GVS24, GVX24, ADP41, ADX41, JCH27 | | 3500 | | | | |

Date of Issue: _____

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Manufacturer CHRYSLER CORPORATION Eng. Family MCR2.5V5FCW1

Pass Cars Lt-Duty Trucks Med-Duty Vehicles Gas Diesel

Eng. Type SOHC4 Liter (CID) 2.5(153) Evap. Family MCRVF

Emission Control Sys. (Use SAE Abbrv.) EGR, TWC, HO₂S, SMPI, (TC)

Engine: Front Mid Rear Drive: FWD RWD 4WD-FT 4WD-PT

| Eng. Code/ (Cert Std.) | Veh. Models (If Coded see Attachmt.) | Trans. Type: A-Auto M-Man. | Equiv. Test Weight | RLHP or DPA | Ign. Sys. (ECU/PROM) Part No. | EGR Syst. Part No. | Catalyst Part No. |
|------------------------|--|----------------------------|--|---|-------------------------------|--------------------|-------------------------------|
| M-1 | PPH24,PDH24, PPH44,PDH44 | M5 | 3125 | S E E A T T A C H M E N T | 4557595 | 4287163 | 4427038 4427039 4427039 |
| | PDH27,GVL24, APH41,ADH41, APP41,ADP41, ADX41 | | 3250 | | | | |
| | JCH21,GVS24 | | 3375 | | | | |
| | JCH27 | | 3500 | | | | |
| | A-1 | | PPH24,PDH24 PPH44,PDH44 PDH27,GVL24, ADH41 GVS24,ADP41, ADX41 JCH21,JCH27, GVX24 | | | | |
| | | | 3250 | | | | |
| | | | 3375 | | | | |
| | | | 3500 | | | | |

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ATTACHMENT TO PG. 1 SDS
FOR
E.O. A-9-210

ENGINE FAMILY: MCR2.5V5FCW1

VEHICLE MODELS:

JCH21
JCH27

ADH41,ADP41,ADX41
GVL24,GVS24,GVX24
PDH24,PDH44

PPH24,PPH44
APH41,APP41

PDH27

CARLINE:

CHRYSLER LEBARON
CHRYSLER LEBARON CONVERTIBLE

DODGE SPIRIT
DODGE DAYTONA
DODGE SHADOW

PLYMOUTH SUNDANCE
PLYMOUTH ACCLAIM

DODGE SHADOW CONVERTIBLE

VEHICLE TEST WEIGHT / HORSE POWER
MCR2.5V5FCW1 ENGINE FAMILY

| MODELS | TRANS | TIRES | TIRE DESCRIPTION | TEST WEIGHT (LBS.) | HORSE POWER | COASTDOWN TIME | |
|------------|-----------------|------------|---------------------|---------------------|-------------|----------------|-------|
| ADH41 | M5 | P195/70R14 | TKS-GDY: INVICTA GL | 3250 | 8.5 | 15.80 | |
| | | P195/70R14 | TKS-MIC: XA4 | 3250 | 8.2 | 15.74 | |
| | | P195/70R14 | TKT-GDY: INVICTA GL | 3250 | 8.5 | 15.80 | |
| | | P195/70R14 | TKT-MIC: XA4 | 3250 | 8.2 | 15.74 | |
| | | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3250 | 7.4 | 14.67 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3250 | 7.4 | 14.67 | |
| | A3, A4 | P195/70R14 | TKS-GDY: INVICTA GL | 3375 | 8.4 | 15.91 | |
| | | P195/70R14 | TKS-MIC: XA4 | 3375 | 8.0 | 15.84 | |
| | | P195/70R14 | TKT-GDY: INVICTA GL | 3375 | 8.4 | 15.91 | |
| | | P195/70R14 | TKT-MIC: XA4 | 3375 | 8.0 | 15.84 | |
| | | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 7.2 | 14.78 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 7.2 | 14.78 | |
| | APH41, APP41 | M5 | P195/70R14 | TKS-GDY: INVICTA GL | 3250 | 8.5 | 15.80 |
| | | | P195/70R14 | TKS-MIC: XA4 | 3250 | 8.2 | 15.74 |
| P195/70R14 | | | TKT-GDY: INVICTA GL | 3250 | 8.5 | 15.80 | |
| P195/70R14 | | | TKT-MIC: XA4 | 3250 | 8.2 | 15.74 | |
| A3 | | P195/70R14 | TKS-GDY: INVICTA GL | 3250 | 8.5 | 15.43 | |
| | | P195/70R14 | TKS-MIC: XA4 | 3250 | 8.1 | 15.37 | |
| | | P195/70R14 | TKT-GDY: INVICTA GL | 3250 | 8.5 | 15.43 | |
| | | P195/70R14 | TKT-MIC: XA4 | 3250 | 8.1 | 15.37 | |
| ADP41 | | M5 | P195/70R14 | TKS-GDY: INVICTA GL | 3375 | 8.5 | 16.24 |
| | | | P195/70R14 | TKS-MIC: XA4 | 3375 | 8.2 | 16.16 |
| | P195/70R14 | | TKT-GDY: INVICTA GL | 3375 | 8.5 | 16.24 | |
| | P195/70R14 | | TKT-MIC: XA4 | 3375 | 8.2 | 16.16 | |
| | P205/60R15 | | TPX-GDY: EAGLE GT+4 | 3375 | 7.4 | 15.06 | |
| | P205/60R15 | | TPX-MIC: SPORT EP-X | 3375 | 7.4 | 15.06 | |
| | A3, A4 | P195/70R14 | TKS-GDY: INVICTA GL | 3375 | 8.4 | 15.91 | |
| | | P195/70R14 | TKS-MIC: XA4 | 3375 | 8.0 | 15.84 | |
| | | P195/70R14 | TKT-GDY: INVICTA GL | 3375 | 8.4 | 15.91 | |
| | | P195/70R14 | TKT-MIC: XA4 | 3375 | 8.0 | 15.84 | |
| | | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 7.2 | 14.78 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 7.2 | 14.78 | |

VEHICLE TEST WEIGHT / HORSE POWER
 MCR2.5V5FCW1 ENGINE FAMILY

| MODELS | TRANS | TIRES | TIRE DESCRIPTION | TEST WEIGHT (LBS.) | HORSE POWER | COASTDOWN TIME | |
|--------|--------|------------|---------------------|---------------------|-------------|----------------|-------|
| ADX41 | M5 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 7.4 | 15.06 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 7.4 | 15.06 | |
| | | P195/70R14 | TKS-GDY: INVICTA GL | 3375 | 8.5 | 16.24 | |
| | | P195/70R14 | TKS-MIC: XA4 | 3375 | 8.2 | 16.16 | |
| | A3, A4 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 7.2 | 14.78 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 7.2 | 14.78 | |
| | | P195/70R14 | TKS-GDY: INVICTA GL | 3375 | 8.4 | 15.91 | |
| | | P195/70R14 | TKS-MIC: XA4 | 3375 | 8.0 | 15.84 | |
| JCH21 | M5 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 6.4 | 16.23 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 6.4 | 16.23 | |
| | | P205/55R16 | TVP-GDY: EAGLE GT+4 | 3375 | 6.4 | 15.61 | |
| | A3 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 6.4 | 16.02 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 6.4 | 16.02 | |
| | | P205/55R16 | TVP-GDY: EAGLE GT+4 | 3375 | 6.4 | 15.42 | |
| | A4 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3500 | 6.6 | 16.40 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3500 | 6.6 | 16.40 | |
| | | P205/55R16 | TVP-GDY: EAGLE GT+4 | 3500 | 6.5 | 15.80 | |
| | JCH27 | M5 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3500 | 6.9 | 15.82 |
| | | | P205/60R15 | TPX-MIC: SPORT EP-X | 3500 | 6.9 | 15.82 |
| | | | P205/55R16 | TVP-GDY: EAGLE GT+4 | 3500 | 7.4 | 14.73 |
| A3 | | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3500 | 7.0 | 15.75 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3500 | 7.0 | 15.75 | |
| | | P205/55R16 | TVP-GDY: EAGLE GT+4 | 3500 | 7.5 | 14.68 | |
| A4 | | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3625 | 7.0 | 16.12 | |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3625 | 7.0 | 16.12 | |
| | | P205/55R16 | TVP-GDY: EAGLE GT+4 | 3625 | 7.5 | 15.74 | |

VEHICLE TEST WEIGHT / HORSE POWER
 MCR2.5V5FCW1 ENGINE FAMILY

| MODELS | TRANS | TIRES | TIRE DESCRIPTION | TEST WEIGHT (LBS.) | HORSE POWER | COASTDOWN TIME |
|-------------------------|--------|------------|---------------------|--------------------|-------------|----------------|
| GVL24 | M5 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3250 | 6.3 | 16.23 |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3250 | 6.3 | 16.23 |
| | A3, A4 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3250 | 6.3 | 15.86 |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3250 | 6.3 | 15.86 |
| GVS24 | M5 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3250 | 6.3 | 16.23 |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3250 | 6.3 | 16.23 |
| | A3, A4 | P205/60R15 | TPX-GDY: EAGLE GT+4 | 3375 | 6.2 | 16.23 |
| | | P205/60R15 | TPX-MIC: SPORT EP-X | 3375 | 6.2 | 16.23 |
| GVX24 | A3 | P205/55R16 | TVK-GDY: EAGLE VR55 | 3375 | 6.2 | 16.23 |
| | A4 | P205/55R16 | TVK-GDY: EAGLE VR55 | 3500 | 7.0 | 15.20 |
| PDH24, 44, PPH24, 44 | M5 | P185/70R14 | TJV-GDY: EAGLE GT+4 | 3125 | 7.5 | 13.94 |
| | | P185/70R14 | TJV-MIC: SPORT EP-X | 3125 | 8.0 | 14.95 |
| | A3, A4 | P185/70R14 | TJV-GDY: EAGLE GT+4 | 3125 | 7.5 | 13.69 |
| | | P185/70R14 | TJV-MIC: SPORT EP-X | 3125 | 8.0 | 14.72 |
| PDH27 | M5 | P195/60R15 | TNK-GDY: EAGLE GT+4 | 3250 | 8.8 | 13.28 |
| | | P205/60R14 | TLK-GDY: EAGLE GT+4 | 3250 | 8.9 | 12.84 |
| | | P205/60R14 | TLK-MIC: SPORT EP-X | 3250 | 9.2 | 13.30 |
| | A3, A4 | P195/60R15 | TNK-GDY: EAGLE GT+4 | 3250 | 8.7 | 13.02 |
| | | P205/60R14 | TLK-GDY: EAGLE GT+4 | 3250 | 8.8 | 12.60 |
| | | P205/60R14 | TLK-MIC: SPORT EP-X | 3250 | 9.2 | 13.03 |