

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-390  
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1998 model-year Chrysler Corporation exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: WCRXA0488K11 Displacement: 8.0 Liters (488 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

- Three Way Catalytic Converter
- Dual Heated Oxygen Sensors
- Heated Oxygen Sensors (two)
- Sequential Multiport Fuel Injection

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

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Nitrogen</u> <u>Oxides</u>
8501-10000	50,000	0.46	5.5	1.3
	120,000	0.66	8.1	1.81

The certification exhaust emission values for this engine family in grams per mile are:

<u>Test Weight</u> <u>(lbs.)</u>	<u>Miles</u>	<u>Non-Methane</u> <u>Hydrocarbons</u>	<u>Carbon</u> <u>Monoxide</u>	<u>Nitrogen</u> <u>Oxides</u>
8501-10000	50,000	0.19	4.1	0.7
	120,000	0.24	5.2	0.81

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed manual transmission vehicle models are certified with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty vehicles and Engines").

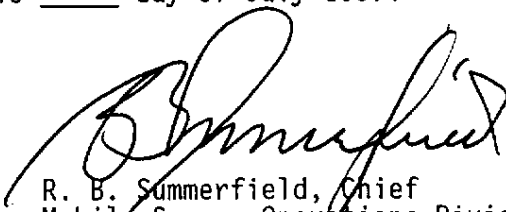
BE IT FURTHER RESOLVED: That the listed automatic transmission vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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 (Title 13, California Code of Regulations, Section 2035 et seq.).

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 9<sup>th</sup> day of July 1997.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXA0488K11 Evap Fam: WCRXE0174G5H & G6H  
 All Eng Codes in Eng Fam: CA X 49S      50S      AB965      ORVR: YES      NO X  
 Exh Std: CA Tier-1 X TLEV      LEV      ULEV      SULEV     ; US EPA Tier-1       
 Veh Class(es): PC      LDT1      LDT2      MDV1      MDV2      MDV3      MDV4 X MDV5       
 Single Cert Std for Multi-Class Eng Fam:      (Specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Fuel Type(s): Dedicated X Flex-Fuel      Dual-Fuel      Bi-Level      Gasoline X Diesel       
                   CNG      LNG      LPG      M85      Other (specify)       
 Emis Test Fuel(s): Indo      CBG X CNG      LPG      M85      Other(specify)       
                   Diesel: 13 CCR 2282      or 40 CFR 86.113-90      or 40 CFR 86.113-94       
 Evaporative Emission Test Procedure: California      Federal X  
 Service Accum: Std AMA      Mod AMA X Mfr ADP      Other (Specify)       
 NMOG Test Procedure: N/A X Std      Equiv      R/L Test Proce: SHED      Pt Source X  
 Engine Configuration: V-10 Displacement:      8.0      Liters      488      Cubic Inches  
 Valves per Cylinder: 2 Rated HP:      295      @      4000      RPM  
 Engine: Front X Mid      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT X  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): 2H02S, H02S(2), TWC, SFI, OBD II  
 (use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type M5 A4	ETW or Test Wt.*	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CA-100  (CA)	BE3L63 BR3L64	A4	9000	S E E	56040357AB	--	52103201
CA-200 (CA)	BE8L34 BR8L63 BR8L64		9000	A T T A C H M E N T			

\* Reflects ALVW weights

Date Issued: 04/04/97

Revisions: \_\_\_\_\_  
TK02-SDS/98

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Chrysler Corporation Exh Eng Fam: WCRXA0488K11 Evap Fam: WCRXE0174G5H & G6H

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type M5 A4	ETW or Test Wt.*	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
CM-100  (CA)	BE3L63 BR3L64	M5	9000	S E E	56040358AB	--	52103201
CM-200  (CA)	BE8L34 BR8L63 BR8L64		9000	A T T A C H M E N T		--	

\* Reflects ALVW weights

Evaporative Families

WCRXE0174G5H: CA-200, CM-200  
 WCRXE0174G6H: CA-100, CA-200, CM-100, CM-200

Date Issued: 04/04/97

Revisions: \_\_\_\_\_  
 TK02-SDS/98

1998  
WCRXA0488K11

Chrysler Corporation  
Family Tire Usage

Attachment to SDS Pg. 1 of 4  
of Executive Order # A-9-390

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LWM	TIRE DESCRIPTION	USE	YR	COD	MFG	OPT	COAST		*DYNO	TIRE	COLD CO ELECTRIC DYNO COEFFICIENTS			ALVM	COAST	*DYNO	TIRE		
												DOWN	TIME			TARGET A	B	C					HP	F
BE8L34	EMA	DDX	4W	Y	11000	C	7000	STD	98	TV2	TZA	13.18	21.0	65	40	16.28	29.4	65	40	9000	0.00	48.0	65	40
BE8L34	EMA	DGP	4W	Y	11000	C	7000	OPT	98	TV1	TZA	13.49	21.6	65	40	16.81	28.9	65	40	9000	0.00	48.0	65	40
BR3L63	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	12.60	20.8	65	40	15.57	30.4	65	40	9000	0.00	48.0	65	40
BR3L63	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	12.88	21.4	65	40	16.05	29.9	65	40	9000	0.00	48.0	65	40
BR3L63	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR3L63	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR3L63	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR3L63	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L63	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L63	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L63	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L63	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L63	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L63	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	50	40	0.00	48.0	50	40	9000	0.00	48.0	50	40
BR8L64	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	60	40	0.00	48.0	60	40	9000	0.00	48.0	60	40
BR8L64	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	60	40	0.00	48.0	60	40	9000	0.00	48.0	60	40
BR8L64	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	60	40	0.00	48.0	60	40	9000	0.00	48.0	60	40
BR8L64	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	60	40	0.00	48.0	60	40	9000	0.00	48.0	60	40
BR8L64	EMA	DDX	4W	Y	11000	C	8000	STD	98	TV2	TZA	0.00	48.0	60	40	0.00	48.0	60	40	9000	0.00	48.0	60	40
BR8L64	EMA	DGP	4W	Y	11000	C	8000	OPT	98	TV1	TZA	0.00	48.0	60	40	0.00	48.0	60	40	9000	0.00	48.0	60	40

\* - For DYNO HP = 0.00  
Ref To FRONTAL AREA

/ 10. - TK02 - 400 /

Report Date: 05/10/97  
Time: 14:56:39

1998  
WCRXA0488K11

Chrysler Corporation  
FAMILY TIRE DESCRIPTION

Attachment to SDS Pg. 2 of 4  
of Executive Order # A-9-390

TIRE DESCRIPTION		SIZE	RPM	CONSTRUCTION	P		L		P		DEPTH	
YR COD	MFG OPT NAME				Y	SW	Y	OVERLAY	L	X	L	Y
98	TV1 TZA	LT215/85R16-E	684	SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	14	
98	TV2 TZA	LT215/85R16-E	681	SBR 2-Steel/2-Polyester	4	BSM	Polyester	2	None	0	16	
98	TXB TZN	LT215/85R16-E	682	SBR 3-Steel/1-Steel	4	BSM	Steel	1	None	0	14	

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/ 10. - TK02 - 401 /  
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Report Date: 05/10/97  
Time: 14:56:39

MODELS COVERED BY CERTIFICATE

Attachment to SDS Pg. 3 of 4  
of Executive Order # A-9-390

Vehicle MFR: CHRYSLER

Engine Family: WCRXA0488K11  
Evaporative Fam: WCRXE0174G5H

Certificate #:

Model ID  
BE8L34

Car Line  
Ram 3500 Pickup 4WD

California  
Sales  
YES

Model Codes  
BE 8 L 34

-- 1st digit: 2nd digit:  
3=Club Cab 1=139" Wb W/2 Doors  
2=155" Wb W/2 Doors  
3=139" Wb W/4 Doors  
4=155" Wb W/4 Doors

Price Class  
L=Covers all trim levels

Model:  
1=1500 6=1500 4X4  
2=2500 7=2500 4X4  
3=3500 8=3500 4X4

Body Code:  
Ram Club Cab

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: MCRXA0488K11  
 Evaporative Fam: MCRXE0174G6H

Certificate #: Attachment to SDS Pg. 4 of 4  
 of Executive Order # A-9-390

Model ID	Car Line	California Sales
BR3L63	Ram 3500 CAB CHASSIS 2WD HDV	YES
BR3L64	Ram 3500 CAB CHASSIS 2WD HDV	YES
BR8L64	Ram 3500 CAB CHASSIS 4WD HDV	YES
BR8L63	Ram 3500 Cab Chassis 4WD HDV	YES

Model Codes  
 BR 2 L 62

1st digit: 2nd digit:  
 6=Regular Cab 1=119" or 139" wb  
 2=135" or 155" wb  
 3=139" wb Chassis Cab  
 4=163" wb Chassis Cab  
 5=135" wb Chassis Cab

Price Class  
 L=Covers all trim levels  
 C=Chassis Cab

Model:  
 1=1500 6=1500 4X4  
 2=2500 7=2500 4X4  
 3=3500 8=3500 4X4

Body Code:  
 Ram Pickup  
 Ram Club Cab  
 Ram Chassis Cab