

Pill

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-423
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 1999 model-year Chrysler Corporation exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: XCRXA0239H11 Displacement: 3.9 Liters (239 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter
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 (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	120,000	0.46	6.4	0.98	n/a

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

<u>Test Weight (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.20	2.4	0.4	5.9
	120,000	0.30	4.2	0.70	n/a

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 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 "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 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 automatic transmission Ram 1500 Pickup (2WD) 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 Ram Van 1500 (2WD), Ram Wagon 1500 (2WD) and the manual transmission Ram 1500 Pickup (2WD) 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 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 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 *22nd* day of July 1998.

A handwritten signature in cursive script, appearing to read "R. B. Summerfield".

R. B. Summerfield, Chief
Mobile Source Operations Division

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER Engine Family: XCRXA0239H11 Certificate #:
Evaporative Fam: XCRXE0174G3H

Model ID	Car Line	California Sales
BR1E61	Ram 1500 Pickup 2WD	YES
BR1L61	Ram 1500 Pickup 2WD	YES

Model Codes

BR 2 1 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

----- 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

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine Family: XCRXA0239H11
Evaporative Fam: XCRXE0174G4H

Certificate #:

Model ID	Car Line	California Sales
BR1E62	Ram 1500 Pickup 2WD	YES
BR1L62	Ram 1500 Pickup 2WD	YES
AB1L12	Ram Van 1500 2WD	YES
AB1L13	Ram Van 1500 2WD	YES
AB1X12	Ram Van 1500 2WD	YES
AB1L11	Ram Van 1500 2WD	YES
AB1X11	Ram Van 1500 2WD	YES
AB1L51	Ram Wagon 1500 2WD	YES

Model Codes

AB 1 L 11

1st digit: 2nd digit:
1=Van 1=109.6" wb
5=Wagon 2=127.6" wb
3=127.6" maxi wb

Price Class
L=Low Line
X=Premium

Model:
1=B1500
2=B2500
3=B3500

Body Code:
Vans
Wagons

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

1999
XCRXA0239H11

Chrysler Corporation
Family Tire Usage

Attachment to SDS Pg. 1 of 6
of Executive Order # A-9-423

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LWJ	TIRE	DESCRIPTION	USE	YR	COD	HFG	OPT	COAST	DOWN	TIME	HP	PRES	TIRE	ALW	ETW	DOWN	TIME	HP	PRES	COLD CO ELECTRIC DYNO COEFFICIENTS			
																									SET A	SET B	SET C	
																								C				
																								B				
																								A				
																								50 DEG WHEN NEEDED)				
																								C				
																								B				
																								A				
																								50 DEG WHEN NEEDED)				
AB1L11	EHC	DGG	RM	Y	6600	C	4500	STD	99	TSC	TZH	TAD	13.04	16.9	35	35	35	50.23	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSD	TZH	TAD	13.04	16.9	35	35	35	45.66	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.21	16.9	35	35	35	45.66	0.04450	0.04189	0.04450	15.24	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.21	16.9	35	35	35	47.13	0.04045	0.04045	0.04045	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	12.24	16.1	35	35	35	60.17	0.04450	0.04045	0.04450	14.10	14.2	35	35			
AB1L12	EHC	DGG	RM	Y	6600	C	4750	STD	99	TSC	TZH	TAD	13.67	17.0	35	35	35	54.70	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSD	TZH	TAD	13.67	17.0	35	35	35	46.69	0.04189	0.04189	0.04189	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	35	51.36	0.04189	0.04189	0.04189	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	35	46.69	0.04450	0.04045	0.04450	15.24	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	35	53.00	0.04045	0.04045	0.04045	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	12.83	16.2	35	35	35	48.18	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	12.83	16.2	35	35	35	61.49	0.04045	0.04045	0.04045	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	12.83	16.2	35	35	35	55.90	0.04608	0.04189	0.04608	15.40	16.0	35	35			
AB1L13	EHC	DGG	RM	Y	6600	C	5000	STD	99	TSC	TZH	TAD	14.20	16.5	35	35	35	53.71	0.04189	0.04189	0.04189	15.40	16.0	35	35			
								OPT	99	TSD	TZH	TAD	14.20	16.5	35	35	35	48.82	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	14.37	16.6	35	35	35	53.71	0.04189	0.04189	0.04189	15.24	16.0	35	35			
								OPT	99	TSF	TZA	TAD	14.37	16.6	35	35	35	48.82	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	13.30	15.4	35	35	35	50.38	0.04045	0.04045	0.04045	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.30	15.4	35	35	35	64.25	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	13.30	15.4	35	35	35	58.41	0.04045	0.04045	0.04045	15.40	16.0	35	35			
AB1L51	EHC	DGG	RM	Y	6600	C	5000	STD	99	TSC	TZH	TAD	14.20	16.5	35	35	35	53.71	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSD	TZH	TAD	14.20	16.5	35	35	35	48.82	0.04189	0.04189	0.04189	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	14.37	16.6	35	35	35	53.71	0.04189	0.04189	0.04189	15.24	16.0	35	35			
								OPT	99	TSF	TZA	TAD	14.37	16.6	35	35	35	48.82	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	13.30	15.4	35	35	35	50.38	0.04045	0.04045	0.04045	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.30	15.4	35	35	35	64.25	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	13.30	15.4	35	35	35	58.41	0.04045	0.04045	0.04045	15.40	16.0	35	35			
AB1X11	EHC	DGG	RM	Y	6600	C	4500	STD	99	TSC	TZH	TAD	13.04	16.9	35	35	35	50.23	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSD	TZH	TAD	13.04	16.9	35	35	35	45.66	0.04189	0.04189	0.04189	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.21	16.9	35	35	35	50.23	0.04608	0.04189	0.04608	15.24	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.21	16.9	35	35	35	45.66	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	12.24	16.1	35	35	35	60.17	0.04045	0.04045	0.04045	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	12.24	16.1	35	35	35	54.70	0.04450	0.04045	0.04450	14.10	14.2	35	35			
AB1X12	EHC	DGG	RM	Y	6600	C	4750	STD	99	TSC	TZH	TAD	13.67	17.0	35	35	35	51.36	0.04608	0.04189	0.04608	15.40	16.0	35	35			
								OPT	99	TSD	TZH	TAD	13.67	17.0	35	35	35	46.69	0.04189	0.04189	0.04189	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	35	51.36	0.04189	0.04189	0.04189	15.24	16.0	35	35			
								OPT	99	TSF	TZA	TAD	13.84	17.0	35	35	35	46.69	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	12.83	16.2	35	35	35	48.18	0.04045	0.04045	0.04045	15.40	16.0	35	35			
								OPT	99	TSF	TZA	TAD	12.83	16.2	35	35	35	61.49	0.04450	0.04045	0.04450	14.10	14.2	35	35			
								OPT	99	TSF	TZA	TAD	12.83	16.2	35	35	35	55.90	0.04608	0.04189	0.04608	15.40	16.0	35	35			

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - 1F05 - 400 /

Report Date: 03/13/98
Time: 15:28:12

1999
XCRXA0239H11

Chrysler Corporation
Family Tire Usage

Attachment to SDS Pg. 3 of 6
of Executive Order # A-9-423

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LWJ	TIRE	DESCRIPTION	USE	YR	COO	MFG	OPT	COAST	*DYNO	HP	TIRE	PRE	COAST	DOWN	TIME	ALW	ETM	COAST	DOWN	TIME	*DYNO	HP	TIRE	PRE	
			C										DOWN			F	R	DOWN					DOWN							
BR1162	EHG	DGK	RW	Y	6400	C		4750	C				16.25	13.7	13.7	35	35				5500		18.19		12.4	12.4	35	35		
							OPT 99 TYV TZH TAD						16.25	13.7	13.7	35	35						18.19		12.4	12.4	35	35		
							STD 99 TRB TZA YAD						15.05	14.0	14.0	35	35				5500		16.90		12.6	12.6	35	35		
							OPT 99 TYU TZA YAD						15.21	13.8	13.8	35	35						16.86		12.9	12.9	35	35		
							OPT 99 TYV TZH TAD						15.49	13.8	13.8	35	35						17.32		12.4	12.4	35	35		

C	B	A	B	C
0.04269	0.03881	0.04271	0.03883	0.04456
0.04051	0.04269	0.03881		

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

/ 10. - TF05 - 402 /

Report Date: 03/13/98
Time: 15:28:12

1999
XCRXA0239H11

Chrysler Corporation
FAMILY TIRE DESCRIPTION

Attachment to SDS Pg. 4 of 6
of Executive Order # A-9-423

TIRE DESCRIPTION		YR	COD	MFG	OPT	NAME	SIZE	RPM	COD	TREAD	MATERIAL	P	L	Y	SW	SIDEMALL	MATERIAL	OVERLAY		P		TREAD	
YR	COD																	MFG	OPT	NAME	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION
99	TR8	TZA	TAD	WRANGLER	APC		P225/75R16-XL	716	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	12						
99	TSC	TZH	TAD	XW4		(A/S)	P235/75R15-XL	720	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	10						
99	TSD	TZH	TAD	XW4		(A/S)	P235/75R15-XL	720	SBR	2-Steel/2-Polyester	4	NSW	Polyester	2	None	0	10						
99	TSF	TZA	TAD	INVICTA	GL	(A/S)	P235/75R15-XL	724	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	10						
99	TV9	TZA	TAD	WRANGLER	AT	(A/S)	LT235/75R15-D	716	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	13						
99	TYU	TZA	TAD	WRANGLER	APC		P245/75R16	689	SBR	2-Steel/2-Polyester	4	BSW	Polyester	2	None	0	12						
99	TVV	TZH	TAD	LTX	A/S		P245/75R16	691	SBR	2-Steel/2-Polyester	4	OWL	Polyester	2	None	0	10						

/ 10. - TF05 - 403 /

Report Date: 03/13/98
Time: 15:28:12