 EO Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-67
Relating to Certification of New Motor Vehicles

CHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Chrysler Corporation exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered medium duty vehicles:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
9TD-318/360-4-CP	318/360	Air Injection Exhaust Gas Recirculation Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
9TD-318/360-4-CP	0.8	11	2.1

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 except Motorcycles".

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 Administrative Code, Section 2290) for the aforementioned model year.

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 15 day of August, 1978.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

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Engine Family 9TD-318/360-4-CP Engine (CID) 318/360

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CCAV-Comb. Chamber Air Valve
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification

ESAC-Electronic Spark Advance Control
MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst (Feedback Control)
WOC-Warm-up Oxidation Catalyst

Vehicle Model	Make/Type
AD1 Spt. Util.	Dodge Ramcharger Dodge Ramcharger S.E.
AW1 Spt. Util.	Dodge Ramcharger Dodge Ramcharger S.E.
B2, 3 Van	Dodge Van Dodge Street Van Dodge Royal Van
B2, 3 Wagon	Dodge Sportsman Dodge Custom Sportsman Dodge Royal Sportsman Dodge Royal Sportsman S.E.
D150, 200 Club Cab	Dodge Custom Dodge Adventurer Dodge Adventurer S.E.
D150, 200 Conv.	Dodge Custom Dodge Adventurer Dodge Adventurer S.E.
D200 Crew Cab	Dodge Custom Dodge Adventurer Dodge Adventurer S.E.
PB2, 3 Wagon	Plymouth Voyager Plymouth Custom Plymouth Voyager Sport Plymouth Voyager Sport Premium
PD1 Spt. Util.	Plymouth Trailduster Plymouth Trailduster Sport
PW1 Spt. Util.	Plymouth Trailduster Plymouth Trailduster Sport
W150, 200 Club Cab	Dodge Custom Dodge Adventurer Dodge Adventurer S.E.

Evaporative Emission Control Families: 9K-4, 9K-8, 9K-12

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Engine Family 9TD-318/360-4-CP Engine (CID) 318 Engine Code M-C-1

Emission Control System AI,EGR,OC + 10% (A/C) Yes ___ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA,VA,EI Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
M-C-1	D150 Conv.	M-3,4	4000 (3.55)	4111487	4173330	4104030 4105030	(1) 6 ± 2° BTC w/vac. adv. disconnected.
	AD1 Spt. Util B3 Van PD1 Spt. Util	M-3	4500				
	B2 Van B2 Wagon D150 Club Cab D150 Conv. PB2 Wagon W150 Conv.	M-3,4					(2) Propane Gain Enriched idle: 865 rpm See service manual.
	AW1 Spt. Util B2 Wagon D200 Crew Cab PB2 Wagon PW1 Spt. Util W150 Club Cab W200 Club Cab W200 Conv.		5000				Alternate Method: $0.3^{+1.7}_{-0.3}$ % CO. See service manual. (3) Curb idle: 750 ± 100 rpm
	B3 Van W150 Conv.	M-3					
	B2 Wagon	M-4					
M-C-3**	SAME AS M-C-1 ABOVE-			4111501**			(1) 8° ± 2° BTC w/VA dis. (2),(3) see above

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

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**8-01-79 F.F.#LDT-7(7-9-79)

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Engine Family 9TD-318/360-4-CO Engine (CID) 318 Engine Code M-C-2

Emission Control System AI,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA,VA,EI Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
M-C-2	B2 Wagon PB2 Wagon	M-3,4	4500 5000 (3.55)	4111487	4173330	4104030 4105030	(1) 6 ± 2° BTC w/ vac. adv. (2) Propane Gain Enriched idle: 865 rpm manual. Alternate Method: 0.3 + 1.7 - 0.3 % CO. See service manual. (3) Curb idle: 750 ± 100 rpm
M-C-4**	SAME AS M-C-2 ABOVE			4111501**			(1) 8°±2° BTC w/VA disconnected (2),(3) see above

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

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Engine Family 9TD-318/360-4-CP Engine (CID) 318 Engine Code A-C-1

Emission Control System AI,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA,VA,EI Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
A-C-1	D150 Conv.	A-3	4000	4111487	4104496	4104033	(1) 6 ± 2° BTC w/vac. adv. disconnected.
	AD1 Spt.Util B2,B3 Van B2 Wagon D150 Club Cab D150 Conv. D200 Club Cab D200 Conv. PB1 Spt.Util PB2 Wagon W150 Conv.		4500 (3.21)				(2) Propane Gain Enriched idle: 860 rpm See service Alternate Method: 0.3 $^{+1.7}_{-0.3}$ % CO. See service manual.
	AW1 Spt.Util B2,B3 Wagon B3 Van D200 Crew Cab PB2 Wagon PB3 Wagon PW1 Spt.Util W150 Club Cab W150 Conv. W200 Club Cab W200 Conv.		5000 (3.21)				(3) Curb idle: 750 ± 100 rpm in neutral.
A-C-3**	----SAME AS A-C-1------				4173362**		
A-C-5***				4111501 ***	4104496 4173362		(1) 8° ± 2° BTC w/VA dis. (2),(3) see above

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

Date of Issue - 8-16-78
** 2-5-79 R.C.# 10T (1-22-79)
*** 8-01-79 F.F.#LDT-7(7-9-79)

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Engine Family 9TD-318/360-4-CP Engine (CID) 318 Engine Code A-C-2

Emission Control System AI,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
A-C-2	B-2 Wagon PB2 Wagon	A-3	4500	4111487	4104496	4104033 4105033	(1) 6 ± 2° BTC w/vac. adv. disconnected. (2) Propane Gain Enriched idle: 860 rpm See service manual. Alternate Method: 0.3 $^{+1.7}_{-0.3}$ % CO. See service manual. (3) Curb. idle: 750 ± 100 rpm in neutral.
	B2 Wagon B3 Wagon PB2 Wagon PB3 Wagon		5000				
A-C-4**	------SAME AS A-C-2------				4173362**		
A-C-6***				4111501***	4104496 4173362		(1) 8° ± 2° BTC w/VA disconnected (2),(3) see above

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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*** 8-01-79 F.F.# LDT-7 (7-9-79)

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Engine Family 9TD-318/360-4-CP Engine (CID) 360 Engine Code M-C-3

Emission Control System AI,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA,VA,EI Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
M-C-3	D150 Conv.	M-3,4	4000	4111487	4104497	4104039 4105039	(1) 6 ± 2° BTC w/vac. adv. disconnected. (2) Propane Gain Enriched idle: 980 rpm See service manual. Alternate Method: 0.3 + 1.7 - 0.3 % CO. See service manual. (3) Curb idle: 750 ± 100 rpm
	D150 Club Cab D200 Club Cab D200 Conv. W150 Conv.		4500				
	AD1 Spt.Util B2 Wagon B2,B3 Van PB2 Wagon PD1 Spt.Util	M-3					
	W150 Club Cab B2 Wagon B3 Van D200 Conv. PB2 Wagon		5000 (4.10)				
	Aw1 Spt.Util D200 Crew Cab PW1 Spt.Util W150 Club Cab W200 Club Cab W200 Conv.	M-3,4					

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

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Engine Family 9TD-318/360-4-CP Engine (CID) 360 Engine Code M-C-4

Emission Control System AI ,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign.Sys. CA,VA,EI Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
M-C-4	B2 Wagon PB2 Wagon	M-3	4500 (3.55) 5000	4111487	4104497	4104039 4105039	(1) 6 ± 2° BTC (2) w/ vac. adv. disconnected. (2) Propane gain-Enriched idle: 980 rpm See service manual. Alternate meth: 0.3 +1.7 -0.3 %CO See service manual. (3) Curb idle: 750 ± 100 rpm

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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Engine Family 9TD-318/360-4-CP Engine (CID) 360 Engine Code A-C-1, 3

Emission Control System AI,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
A-C-1	D150 Conv.	A-3	4000	4111487	4104498	4104033 4105033	(1) 10 ± 2° BTC w/vac. adv. disconnected. (2) Propane Gain Enriched idle: 960 rpm See service manual. Alternate Method: 0.3 + 1.7 - 0.3 % CO. See service manual. (3) Curb idle: 750 ± 100 rpm in neutral.
	AD1 Spt.Util B2 Wagon B2,B3 Van D150 Club Cab D150 Conv. D200 Club Cab D200 Conv. PB2 Wagon PD1 Spt.Util W150 Club Cab W150 Conv.		4500 (3.21)				
	AW1 Spt.Util B2,B3 Wagon B3 Van D200 Crew Cab PB2 Wagon PB3 Wagon PW1 Spt.Util W150 Club Cab W150 Conv. W200 Club Cab W200 Conv.		5000				
A-C-5***					4173364***		
A-C-3**	---SAME AS A-C-1---------				4104498	4104114** 4105114	

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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**R.C.#7T (11-8-78) KDD letter 11-20-78

***R.C.#10T (1-22-79) KDD letter 2-5-79

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Engine Family 9TD-318/360-4-CP Engine (CID) 360 Engine Code A-C-2 , 4

Emission Control System AI,EGR,OC + 10% (A/C) Yes ____ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	CA,VA,EI Ign.Sys. Distributor Part No.	Fuel System 4V Part No.	EGR Valve Part No.	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
A-C-2	B2 Wagon PB2 Wagon	A-3	4500	4111487	4104498	4104033 4105033	(1) 10 ± 2° BTC w/ vac. adv. disconnected. (2) Propane Gain Enriched idle: 960 rpm See service manual. Alternate Method: 0.3 +1.7 -0.3 %CO. See service manual. (3) Curb idle: 750 ± 100 rpm in neutral.
	B2 Wagon B3 Wagon PB2 Wagon PB3 Wagon		5000				
A-C-6***	-----SAME AS A-C-2-------				4173364***		
A-C-4**					4104498	4104114 4105114**	

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

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**R.C.#7T (11-8-78) KDD letter 11-20-78
***R.C.#10T (1-22-79) KDD letter 2-5-79