State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-116-5 Relating to Certification of New Motor Vehicles

SPECIALIZED AUTOMOTIVE ENGINEERING, INC.

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 Specialized Automotive Engineering exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered light-duty trucks:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)		
20R(TC)	133.6	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	Inertia Weight Class	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
20R(TC)	0-3999	0.28	4.6	1.0

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 28 day of December, 1978.

G. C. Hass, Chief

Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Specialized Auto Manufacturer <u>Engineering</u>		Page <u>1</u>
Engine Family 20R(TC)	Engine (CID)133.6	
ABBREVIATIONS Ignition System CA-Centrifugal Advance EI-Electronic Ignition ESAC VA-Vacuum Advance VR-Vacuum Retard	Exhaust Emissions Control System AI-Air Injection CCAV-Comb. Chamber Air Valve EFI-Electronic Fuel Injection EGR-Exhaust Gas Recirculation EM-Engine Modification	OC-Oxidation Catalyst PAI-Pulse Air Injection TC-Turbo Charged TR-Thermal Reactor TWC-Three Way Catalyst (Feedback Control) WOC-Warm-up Oxidation Catalyst
Fuel System EFI, MFI nV-nVenturi Carburetor VV-Variable Venturi	ESAC-Electronic Spark Advance Control MFI-Mechanical Fuel Injection	
Engine Code	<u>Model</u>	
CMS-2X CMD-2X	Wolverine 4x4 Pickup	

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET						E.O. #A <u>[]6-5</u>	
	Passeng	er Cars	X	Light-Duty	y Trucks	Medium-Duty	Vehicles
Manufacturer <u>Specialized Automotive Engineering</u> Engine Family <u>20R(TC)</u> Engine (CID) 133.6							Page 2 Engine Code
E.	mission Control	System _	AI, EGR	, OC	+]	0% (A/C)	Yes No _X
Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA,VA,EI	Fuel System 2V	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CMD-2X CMS-2X		4M 5M	2750	19100- 38150	21100- 38370	25620- 38200	 80 BTDC @ 950 rpm (N) Lean drop method 800 rpm, manual (N) 850 rpm, automatic (N) (N) Trans. in neutral

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 - December 15, 1978

See Toyota E.O. Number A-14-25