

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-116-3  
Relating to Certification of New Motor Vehicles

SPECIALIZED AUTOMOTIVE ENGINEERING

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 for 1978 model-year light duty trucks are certified for the vehicles described below:

Engine Family: 8CVBT  
Engine: 109.6 CID  
Transmission: 4-Speed Manual, 5-Speed Manual  
Exhaust Emission Control Systems: Air Injection, Exhaust Gas  
Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
8CVBT	0.4	10	1.0

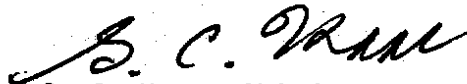
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-16 series.

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

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 5 day of January, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Specialized Automotive Engineering Executive Order No. A-116-3 Page 1  
Engine Family 8CVBT Engine (CID) 109.6

ABBREVIATIONS

Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection

CAI-Catalyst Air Injection

CAB-Chamber Air Bleed

DD-Dual Displacement

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TC-Turbo Charged

TR-Thermal Reactor

TWC-Three Way Catalyst (Feedback Control)

EGR Syst. Service

I-Inspect, repair/replace as needed

R-Replace

Model

Brahma

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars     Light-Duty Trucks     Medium Duty Vehicles

Manufacturer Specialized Automotive Engineering Executive Order No. A-116-3 Page 2

Engine Family CVBT Engine (CID) 109.6 Engine Code CVBT-M

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

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type c, v Mfgr. Part Number	Fuel System Type 1-2V Mfgr. Part Number	EGR System Part No. Service *	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	Brahma Brahma Cab & Chassis	M-4 M-5	3000 11.2	Mitsubishi Electric Corporation T3T07182	Hitachi DCJ328-9	3882	(1) $8^{\circ} \pm 1^{\circ}$ BTDC @ 700 + 50 RPM, with distributor vacuum line connected.  (2) $2.0 \pm 0.5\%$ (without air injection - disconnect air hose between air pump and check valve, and plug the port of the check valve)  (3) $700 \pm 50$ in neutral* - 0 All accessories off.

Comments: All models have special road load HP settings. See page 1 for abbreviations and model codes.

Date of Issue 010578 Revisions: See Toyo Kogyo SDS for revisions.