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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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

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° ± 1° BTDC @ 700 $^{+50}_{-0}$ RPM, with distributor vacuum line connected. (2) 2.0 ± 0.5% (without air injection - disconnect air hose between air pump and check valve, and plug the port of the check valve)* (3) 700 $^{+50}_{-0}$ in neutral* 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.