## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-98-13 Relating to Certification of New Motor Vehicles

## ASTON MARTIN LAGONDA LTD.

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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1989 model-year Aston Martin Lagonda Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement <u>Liters (Çubic inches)</u>		Exhaust Emission Control Systems (Special Features)			
KAS326V5EAW7	326V5EAW7 5.3 (326)		Air injection - Pump (Two)  Dual Three-Way Catslyst (Two)  (Electronic Port Fuel Injection)  No On-Board Diagnostics (Exempted)			

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.41	7.0	0.4		

The following are the certification emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.13	1.3	0.2		

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".

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.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards 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 vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

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 regulations (Title 13, California Administrative Code, 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 2nd day of September, 1988.

K. D. Drachand, Chief Mobile Source Division

## $19\underline{89}$ AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

Manufacturer ASTON MARTIN LAG	ONDA Engine Family KAS326V5EAW7
Evaporative Family 585 VP	Engine Type γ 8
	Liters (CID) <u>5.3 (326)</u>
ABBREVIATIONS	
Ignition System	Exhaust Emissions Control System   Special Features
CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard	AIP-Air Injection - Pump AIV-Air Injection - Valve EGR-Exhaust Gas Recirculation (Diesel Only) EM-Engine Modification SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical DBC-Dual Bed Catalyst OC-Oxidation Catalyst  CFI-Central Fuel Injection Throttle Body Injection EPFI-Electronic Port Fuel Injection SFI-Sequential Fuel Injection DID-Diesel Injection-Direct
vuel System  CFI, EPFI, MPFI, SFI,  DID, DIP, HOS, OS  nV-nVenturi Carburetor  VV-Variable Venturi Carburetor	TWC-Three-Way Catalyst WUOC-Warm-Up Oxidation Catalyst WUTWC-Warm-Up Three-Way Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor  CCV-Combustion Chamber Valve OBD-On-Board Diagnostics
VEHICLE MODELS:  V8 SALOON V8 VOLANTE V8 VANTAGE V8 VANTAGE V8 VANTAGE LAGONDA	LANTE
Engine: Front X Mid	Rear
Drive: FWD RWD	X 4WD Full Time 4WD Part Time

080187

<u> </u>				DARD SUPPLEMENT		E.O. #A Page	. 2
	Cars X Light-						iesel
	rer <u>ASTON MAR</u> D) <u>5.3 (326)</u>						<del></del>
	Control Sys. (Spec						
Engine Code ALL 585	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve	Catalyst Part No.
585	LAGONDA (12.0)	A-3	5000	007-20015	008-20001	N/a	035-2167 035-2167
585	SALOON (10.5) VANTAGE (10.5) VOLANTE (12.4)	M-5	4500	11 11	11	11	"- ".
585	VANTAGE VOLANT: (12.4)	E M-5	4500	n	<b>11</b>	11	11
585	SALOON VANTAGE VOLANTE	<b>A-</b> 3	4500	11	11	11	"
585	VANTAGE VOLANT	E A-3	4500	11	11	n	<b>!!</b>
Comments:	See page one for	abbrevia	tions and	evaporative en	nission family	identificat	ion.
Please ref	er to manufacturer If two test weig	''s HP li	st for co	rrect dyno test	: HP settings	based on mod	del and
Date of Is	sue		Revisio	ns:			