

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-5-29  
Relating to Certification of New Motor Vehicles

AUSTIN MORRIS DIVISION  
OF  
BRITISH LEYLAND (UK) LIMITED

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Austin Morris Division of British Leyland (UK) Limited exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

- Engine Family: B/50
- Engine: 110 CID
- Transmission: 4-Speed Manual, and 4-Speed Manual with overdrive
- Exhaust Emissions Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Model: MGB Convertible

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model 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>
B/50	.21	7.6	1.2

BE IT FURTHER RESOLVED: That this certification is contingent upon Austin Morris Division of British Leyland (UK) Limited affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Austin Morris Division of British Leyland (UK) Limited listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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BRITISH LEYLAND (UK) LIMITED

EXECUTIVE ORDER A-5-29  
(Page 2 of 2)

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<sup>th</sup> day of October, 1976.

*G. C. Hass by A. D. Richard*

G. C. Hass, Chief  
Division of Vehicle Emissions Control

Passenger Cars  Light-Duty Trucks

Manufacturer Austin Morris Division of British Leyland(U.K.)Lim. Executive Order No. A-5-29 Page 1

Engine Family B/50 Engine (CID) 110 Engine Code 18V 801AE/50

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: EI, C + V Mfgr. Part Number	Fuel System Type: IV Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
MGB Convertible	M-4  M-4 + over-drive	2750	Lucas AAU 1552  43DE4/41643	Zenith 13H 9562  3766	CAM 1157  No Service	See Label #CAM 5188 on Page 2
Comments						
Date of Issue						

**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 Emission Control System

AI-Air Injection  
CAI-Catalyst Air Injection  
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  
TR-Thermal Reactor  
TWC-Three Way Catalyst  
λ-Air Fuel Ratio Sensor  
\*Service  
I-Inspect, repair/replace as needed  
R-Replace

Engine Family	B/50 Series
Engine Disp.	110 cu.ins.
Engine Code	18V 801AE/50 18V 801AE/50/3
Exhaust Em.Cont.	AI/EGR/Catalyst
Fuel System	Carburetter
Transmission	Manual/4 & 5
Applicable Models	MGB Convertible.

(11)

**VEHICLE EMISSION CONTROL INFORMATION**

**LEYLAND CARS**

**ENGINE B/50 SERIES 110 CU. IN**  
**LOW ALTITUDES**

CARBURETTER SETTING PROCEDURE

PART No. CAM 5188

RUN ENGINE TO NORMAL TEMPERATURE DRIVE FOR 5 MINUTES. DISCONNECT FLOAT CHAMBER VENT (3) AND AIR MANIFOLD HOSE. BLOCK AIR MANIFOLD. SET IDLE SPEED (1). CHECK/ADJUST IDLE MIXTURE SCREW (2). REFIT AIR INJECTION. RESET IDLE SPEED (1). REFIT FLOAT CHAMBER VENT PIPE (3).  
NOTE - RUN ENGINE AT 2500 FOR 30 SECS BEFORE EACH ADJUSTMENT. (TRANSMISSION TO BE IN NEUTRAL).  
NOTE: AIR CONDITIONER TO BE DISCONNECTED (IF FITTED).  
EX.EMISSION CONTROL TYPE: AI/EGR/CATALYST.  
SEE WORKSHOP MANUAL FOR ADDITIONAL INFORMATION.

IGNITION TIMING 10° B TDC at 1500 RPM  
IDLE SPEED 850 ± 100 RPM  
IDLE CO SETTING 5% ± 1%  
SPARK PLUG GAP 0.035"  
TAPPET CLEARANCE 0.013" WARM



THIS VEHICLE CONFORMS TO U.S. EPA REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.  
THIS VEHICLE CONFORMS TO CALIFORNIA REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES

Label Location

The label is located within the engine compartment on the right hand side (when viewed from the rear) of the bonnet lock platform.

Label Colour

Blue printing on white background.

Fast Idle Speed Setting

No fast idle speed is given on the label as fast idle is controlled by a dimension within the choke body. This dimension is set at the factory. Subsequent adjustment necessitates the dismantling of the choke with the inherent risk of incorrect re-assembly.

(13)

Addition of Fast Idle Note

5 Jul 1976

13

Addition of engine codes/specifications

5 July 76

11

AMENDMENT TITLE OR DESCRIPTION

AMENDMENT DATE

AM. No.

BL Cars

ENGINE FAMILY:- B/50 SERIES

DATE OF ISSUE

12 May 1976

1977 PART II

130912 (01A14)

