

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-12-9
Relating to Certification of New Motor Vehicles

FIAT S.p.A.

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 Fiat S.p.A. exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 132 CCI
Engine: 107.13 CID
Transmission: See models
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst.

- Models: 131 Mirafiori 2-Door 5-Speed Manual, 3-Speed Automatic.
- 131 Mirafiori 4-Door 5-Speed Manual, 3-Speed Automatic.
- 131 Estate 5-Speed Manual, 3-Speed Automatic.
- 124 Sport Spider 1800 5-Speed Manual
- Lancia Beta 1800 Sedan 5-Speed Manual.
- Lancia Beta 1800 HPE 5-Speed Manual.
- Lancia Beta 1800 Coupe 5-Speed Manual.
- Lancia Beta Scorpion 5-Speed Manual.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
132 CCI	0.20	5.0	1.3

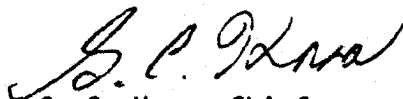
BE IT FURTHER RESOLVED: That this certification is contingent upon Fiat S.p.A. affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Fiat S.p.A. listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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 20 day of December, 1976.



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

Manufacturer FiatExecutive Order No. A-12-9 Page 1AEngine Family 132 CCIEngine (CID) 107.13Engine W16A.2C15.AYC1Code W15A.2C15.AYC1W20A.5C19.AYC1Emission Control System AI-EGR-OC+10%(A/C) Yes No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C 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
131 Mirafiori 2-door	M-5	2750	Marelli Type 401P1 (and 401 R1 for RI suppression)	Weber Type 32 ADFA 14/101	Elbi or Marvel- Schebler- Tillotson or Pierburg PE 20148 (ALL Yell- ow color coded)	1) 0° TDC @ 850 RPM
131 Mirafiori 4-door	M-5	2750				2) 2 ± .5% in neutral with air injection pinched off
131 Estate	M-5	3000				3) 800 to 850 RPM in Neutral with air injection pinched off.
(ALL engine code W15A. 2C15.AYC1)						
Same Models (ALL eng- ine code W16A.2C15. AYC1)	A-3			Weber Type 32 ADFA 6/101		1) TDC @ 750 RPM 2) 2.0 ± 0.5% in "Drive" with AI pinched off 3) 700 to 750 RPM in "Drive" with AI pinched off.
Same Models (All engine code W20A.5C 19.AYC1)			401P5 (and 401R5 for RI suppres- sion)	Weber 32 ADFA 16/102		1) 5° BTDC @ 750 RPM 2&3) Same as above

Comments

Date of Issue

Amended 9 May 1977

Running Change 10/77 revises engine code, basic timing,
carburetor and distributor.

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

Manufacturer Fiat Executive Order No. A-12-9 Page 1B

Engine Family 132CCI Engine (CID) 107.13 Engine Code W23A.5C19.AYC1

~~W17A.3C16.ABC1~~
~~W25A.3C16.ABC1~~

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C 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
Lancia Beta 1800 Sedan	M-5	3000	Marelli Type 401P3 (and 401R3 for RI suppression)	Weber Type 32 Datra 12/101	Elbi or Marvel-Schebler-Tillotson or Pierburg PE 20147	1) 10° BTDC 2) 2+ .5% in neutral with air injection pinched off. 3) 800 to 850 RPM in Neutral, with air injection pinched off
Lancia Beta 1800 HPE	M-5	3000		Type 32 Datra 12/102		
Lancia Beta 1800 Coupe engine code W17A.3C16.ABC1 & W25A.3C16.ABC1	M-5	2750			(ALL Blue color coded)	
131 Mirafiori 2 door	M-5	2750	Marelli Type 401P5	Weber Type 32 ADFA 14/102	Elbi or Marvel-Schebler-Tillotson or Pierburg PE 20148	1) 5° BTDC @ 850 RPM
131 Mirafiori 4-door	M-5	2750				2) 2+ .5% in neutral with air injection pinched off
131 Estate (engine code W23A.5C19.AYC1)	M-5	3000			(ALL Yellow color coded)	3) 800 to 850 RPM in Neutral with air injection pinched off.

Comments

Date of Issue

Amended 9 May 1977
Engine code W23A.5C19.AYC1 added per field fix # 18/77
Engine code W25A.3C16.ABC1 added per field fix # 19/77

Abbreviations

- Distributor
- C-Centrifugal Advance
- V-Vacuum Advance
- R-Vacuum Retard
- HEI-High Energy Ignition
- EI-Electronic Ignition
- Fuel System
- EFI, FI
- nV-nVenturi Carburetor

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
- EI-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

Manufacturer Fiat Executive Order No. A-12-9 Page 1C

Engine Family 132CCI Engine (CID) 107.13 Engine Code See below

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C Mfgr. Part Number	Fuel System Type J-2V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
124 Sport Spider 1800 (engine code W15A.2C15.ABC1)	M-5	2500	Marelli 401 P1 (and 401R1 for RI suppression)	Weber 32 ADFA 15/101	Elbi or Marvel-Schebler-Tillotson or Pierburg PE 20147	1) 0° TDC @ 850 RPM. 2) 2 ± .5% in neutral with air injection pinched off. 3) 800 to 850 RPM in neutral, with air injection pinched off.
124 Sport Spider 1800 (engine code W23A.5C19.ABC1)			Marcelli 401 P5	Weber 32 ADFA 14/102	(ALL Blue color coded)	1) 5° BTDC @ 850 RPM 2) Same as above 3) Same as above
Lancia Beta Scorpion (engine W17A.3C16.AYC1)	M-5	2750	Marelli 414P5 (and 414R5 for RI suppression)	Weber 32 DATRA 9/101	Elbi or Marvel-Schebler-Tillotson or Pierburg PE 20148 (ALL Yellow color coded)	1) 10° BTDC @ 850 RPM. 2) 2.0 ± 0.5% with AI pinched off. 3) 800 to 850 RPM with AI pinched off.

Comments

Date of Issue

Amended 9 May 1977

Engine code W23A.5C19.ABC1 added per field fix # 18/77.

Abbreviations

Distributor

C-Centrifugal Advance

V-Vacuum Advance

RV-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

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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

Manufacturer Fiat Executive Order No. A-12-9 Page 1BEngine Family 132CCI Engine (CID) 107.13 Engine Code W17A.3C16.ABC1Emission Control System AI + EGR + OC +10%(A/C) Yes No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C 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
Lancia Beta 1800 Sedan	M-5	3000	Marelli Type 401P3	Weber Type 32 Datral2/101	Pierburg or Marvel- Schebler- Tillotson blue code	1) 10° BTDC 2) 2+ .5% in neutral with air injection pinched off. 3) 800 to 850 RPM in Neutral, with air injection pinched off.
Lancia Beta 1800 HPE	M-5	3000				
Lancia Beta 1800 Coupe	M-5	2750				

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

V-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

*ServiceI-Inspect, repair/replace
as needed

R-Replace