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

[X] Passenger Cars [ ] Light-Duty Trucks

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

Engine Family 132 CCI Engine (CID) 107.13 Engine Code W16A.2C15.AYC1 & W15A.2C15.AYC1 & W20A.5C19.AYC1

Emission Control System AI-EGR-OC +10%(A/C) Yes [X] 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 131 Mirafiori 4-door 131 Estate (ALL engine code W15A.2C15.AYC1)	M-5 M-5 M-5	2750 2750 3000	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 Yellow color coded)	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.
Same Models (ALL engine 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.5C19.AYC1)			401P5 (and 401R5 for RI suppression)	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

[X] Passenger Cars [ ] Light-Duty Trucks

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 [X] 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 401 R3 for RI suppression)	Weber Type 32 Datra12/101	Elbi or Marvel-Schebler-Tillotson or Pierburg PE 20147 (ALL Blue color coded)	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				
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 (ALL Yellow color coded)	1) 5°BTDC @ 850 RPM 2) 2+ .5% in neutral with air injection pinched off 3) 800 to 850 RPM in Neutral with air injection pinched off.
131 Mirafiori 4-door	M-5	2750				
131 Estate (engine code W23A.5C19.AYC1)	M-5	3000				

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
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

[X] Passenger Cars [ ] Light-Duty Trucks

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 [X] 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
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 (ALL Blue color coded)	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		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
R-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

[X] Passenger Cars [ ] Light-Duty Trucks

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

Engine Family 132CCI Engine (CID) 107.13 Engine Code W17A.3C16.ABC1

Emission Control System AI + EGR + OC +10%(A/C) Yes [X] 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
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HEI-High Energy Ignition
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Fuel System
EFI, FI
nV-nVenturi Carburetor
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Exhaust Emission Control System
AI-Air Injection
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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