

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-81  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

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 Ford Motor Company exhaust emission control systems for 1977 model-year light-duty trucks are certified for the engine family described below:

Engine Family: 351M/400 "A" (1CV7)

Engine: 351 CID

Transmission: 3-Speed Automatic

Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models: F-100

Regular Cab Short Wheelbase (SWB) Styleside Custom  
Regular Cab SWB Flareside Custom  
Regular Cab Long Wheelbase (LWB) Styleside Custom  
Regular Cab LWB Flareside Custom  
Regular Cab SWB Styleside Ranger  
Regular Cab SWB Flareside Ranger  
Regular Cab LWB Styleside Ranger  
Regular Cab LWB Flareside Ranger  
Regular Cab SWB Styleside Ranger XLT  
Regular Cab SWB Flareside Ranger XLT  
Regular Cab LWB Styleside Ranger XLT  
Regular Cab LWB Flareside Ranger XLT  
Regular Cab SWB Styleside Explorer  
Regular Cab SWB Flareside Explorer  
Regular Cab LWB Styleside Explorer  
Regular Cab LWB Flareside Explorer  
Regular Cab SWB Styleside Custom Decor  
Regular Cab SWB Flareside Custom Decor  
Regular Cab LWB Styleside Custom Decor  
Regular Cab LWB Flareside Custom Decor

F-100 (Continued)

Super Cab SWB Styleside Custom  
Super Cab SWB Flareside Custom  
Super Cab LWB Styleside Custom  
Super Cab LWB Flareside Custom  
Super Cab SWB Styleside Ranger  
Super Cab SWB Flareside Ranger  
Super Cab LWB Styleside Ranger  
Super Cab LWB Flareside Ranger  
Super Cab SWB Styleside Ranger XLT  
Super Cab SWB Flareside Ranger XLT  
Super Cab LWB Styleside Ranger XLT  
Super Cab LWB Flareside Ranger XLT  
Super Cab SWB Styleside Explorer  
Super Cab SWB Flareside Explorer  
Super Cab LWB Styleside Explorer  
Super Cab LWB Flareside Explorer  
Super Cab SWB Styleside Custom Decor  
Super Cab SWB Flareside Custom Decor  
Super Cab LWB Styleside Custom Decor  
Super Cab LWB Flareside Custom Decor  
Regular Chassis Cab SWB Styleside Custom  
Regular Chassis Cab SWB Flareside Custom  
Regular Chassis Cab LWB Styleside Custom  
Regular Chassis Cab LWB Flareside Custom  
Regular Chassis Cab SWB Styleside Ranger  
Regular Chassis Cab SWB Flareside Ranger  
Regular Chassis Cab LWB Styleside Ranger  
Regular Chassis Cab LWB Flareside Ranger  
Regular Chassis Cab SWB Styleside Ranger XLT  
Regular Chassis Cab SWB Flareside Ranger XLT  
Regular Chassis Cab LWB Styleside Ranger XLT  
Regular Chassis Cab LWB Flareside Ranger XLT  
Regular Chassis Cab SWB Styleside Explorer  
Regular Chassis Cab SWB Flareside Explorer  
Regular Chassis Cab LWB Styleside Explorer  
Regular Chassis Cab LWB Flareside Explorer  
Regular Chassis Cab SWB Styleside Custom Decor  
Regular Chassis Cab SWB Flareside Custom Decor  
Regular Chassis Cab LWB Styleside Custom Decor  
Regular Chassis Cab LWB Flareside Custom Decor

F-100 (Continued)

Super Cab Chassis Cab SWB Styleside Custom  
 Super Cab Chassis Cab SWB Flareside Custom  
 Super Cab Chassis Cab LWB Styleside Custom  
 Super Cab Chassis Cab LWB Flareside Custom  
 Super Cab Chassis Cab SWB Styleside Ranger  
 Super Cab Chassis Cab SWB Flareside Ranger  
 Super Cab Chassis Cab LWB Styleside Ranger  
 Super Cab Chassis Cab LWB Flareside Ranger  
 Super Cab Chassis Cab SWB Styleside Ranger XLT  
 Super Cab Chassis Cab SWB Flareside Ranger XLT  
 Super Cab Chassis Cab LWB Styleside Ranger XLT  
 Super Cab Chassis Cab LWB Flareside Ranger XLT  
 Super Cab Chassis Cab SWB Styleside Explorer  
 Super Cab Chassis Cab SWB Flareside Explorer  
 Super Cab Chassis Cab LWB Styleside Explorer  
 Super Cab Chassis Cab LWB Flareside Explorer  
 Super Cab Chassis Cab SWB Styleside Custom Decor  
 Super Cab Chassis Cab SWB Flareside Custom Decor  
 Super Cab Chassis Cab LWB Styleside Custom Decor  
 Super Cab Chassis Cab LWB Flareside Custom Decor

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 Miles</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
351/400 "A" (1CV7)	0.6	2.5	1.8

BE IT FURTHER RESOLVED: That this certification is contingent upon Ford Motor Company 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 Ford Motor Company 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.

FORD MOTOR COMPANY

EXECUTIVE ORDER A-10-81

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 6 day of August, 1976.



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

Manufacturer Ford Motor Company Executive Order No. A-10-81 Page 1  
 Engine Family 351/400 "A" (1CV7) Engine (CID) 351 Engine Code 7-60S-R0  
 Emission Control System AI-EGR-OC +10%(A/C) Yes  No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C,V, EI 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
F-100 Regular Cab LWB SWB Super Cab LWB SWB Regular Chassis Cab LWB SWB Super Cab Chassis Cab LWB SWB	A/T3 C6-7T1	5000 <sup>(1)</sup>	Ford D7AE- 12127-BA	Ford D7TE- 9510-ALA	D7AE- 9D448-FA	(1) 8° BTDC @ 500 RPM in Neutral; Vacuum line disconnected and plugged at distributor (3) 650 RPM in Drive  (2) Present at factory do not adjust, see 1977 Ford Service Manual,

Comments : Axle Ratio 2.75, 3.25  
 \*\*No Service  
 (1) Actual inertia weight is 4500 lb

Date of Issue  
 R/C 351M/400 "A" (1CV7)-4T 020177  
 R/C 351M/400 "A" (1CV7)-55T 042077

**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