State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-79
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: 302 "A" (1CV7)
Engine: 302 CID
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Transmission: 3-Speed Automatic

Models: Bronco
Bronco
Bronco Ranger
Bronco Sport

Transmission: 3-Speed Automatic or 3-Speed Manual

Models: F-100
Regular Cab Short Wheelbase (SWB) Styleside Custom
Regular Cab Long Wheelbase (LWB) Styleside Custom
Regular Cab SWB Flareside Custom
Regular Cab LWB Flareside Custom
Regular Cab SWB Styleside Ranger
Regular Cab LWB Styleside Ranger
Regular Cab SWB Flareside Ranger
Regular Cab LWB Flareside Ranger
Regular Cab SWB Styleside Ranger XLT
Regular Cab LWB Styleside Ranger XLT
Regular Cab SWB Flareside Ranger XLT
Regular Cab LWB Flareside Ranger XLT
Regular Cab SWB Styleside Explorer
Regular Cab LWB Styleside Explorer
Regular Cab SWB Flareside Explorer
Regular Cab LWB Flareside Explorer
Regular Chassis Cab SWB Custom
Regular Chassis Cab LWB Custom
Regular Chassis Cab SWB Ranger
Regular Chassis Cab LWB Ranger
Regular Chassis Cab SWB Ranger XLT
Regular Chassis Cab LWB Ranger XLT

SUPERSEDED

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

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
302 "A" (1CV7)	0.9	11	1.9

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.

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 30 day of July, 1976.

G. C. Hass

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

SUPERSEDED

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 1

Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-53S-RO

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 SWB LWB CC Regular Cab SWB LWB	M/T3 M/T4(a)	4000	Ford D7TE- 12127-JA	Ford D7TE- 9510-AEA	D7TE- 9D445-AA	(1) 6° BTDC @ 550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 800 RPM in Neutral 550 RPM in Neutral w/TSP off

Comments Axle Ratio: 2.75, 3.00, 3.50
**No Service

Date of Issue: July 30, 1976; Rev. (a) 302 "A" (1CV7)-4T November 10, 1976.

SUPERSEDED

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 2

Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54S- RO

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 SWB LWB CC Regular SWB LWB	A/T3 C4-7T1 C4-7T2	4000	Ford D7TE- 12127-EA	Ford D7TE- 9510-AGA	D7TE- 9D448-BA	(1) 8° BTDC @ 550 RPM in Neutral, Vacuum line disconnected and plugged at distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off; (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;

Comments Axle Ratio: 2.75, 3.25
**No Service

Date of Issue July 30, 1976; Rev. November 16, 1976 (Ford letter of 101376) ; Rev. 011177

SUPERSEDED

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 3

Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54T-RO

Emission Control System AI-OC-EGR +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
Bronco	A/T3 C4-7T3 C4-7T4	4000	Ford D7TE-12127-EA	Ford D7TE-9510-ABA	D7TE 9D448-NA	(1) 8° BTDC @ 550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off

Comments Axle Ratio: 3.50, 4.11
**No Service

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

SUPERSEDED

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 4

Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-53S-R9

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 SWB LWB CC Regular Cab SWB LWB	M/T3	4000	Ford D7TE-12127-JA	Ford D7TE-9510-AEA	D7TE-9D448-AA	1) 6°,BTDC @ 550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 800 RPM in Neutral 550 RPM in Neutral w/TSP off (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;

Comments Axle Ratio: 2.75, 3.00, 3.50

**No Service

Date of Issue A11-4 (11/16/76); Rev. 011177

SUPERSEDED

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 5

Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54S-R9

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 SWB LWB CC Regular SWB LWB	A/T3 C4-7T1 C4-7T2	4000	Ford D7TE- 12127-EA	Ford D7TE- 9510-AGA	D7TE- 9D448-BA	(1) 8° BTDC @ 550 RPM in Neutral, Vacuum line disconnected and plugged at distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off. (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;

Comments Axle Ratio: 2.75, 3.25
** No Service

Date of Issue A11-4 (11/16/75)

SUPERSEDED

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Ford Motor Company Executive Order No. A-10-79 Page 6

Engine Family 302 "A" (1CV7) Engine (CID) 302 Engine Code 7-54T-R9

Emission Control System AI-OC-EGR +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
Bronco	A/T3 C4-7T3 C4-7T4	4000	Ford D7TE-12127-EA	Ford D7TE-9510-ABA	D7TE 9D448-NA	(1) 8° BTDC @550 RPM in Neutral; Vacuum line disconnected and plugged at the distributor (3) 650 RPM in Drive 550 RPM in Neutral W/TSP off (2) Preset at factory; do not adjust; see 1977 Ford Service Manual;
F-100 Regular Cab SWB LWB CC Regular SWB LWB	A/T3 C4-7T1 C4-7T2					

Comments Axle Ratio: 3.50, 4.11, F 100- 2.75, 3.25

** No Service

Date of Issue A11-4 (11/16/76)
302 "A" (1CV7)-44T

SUPERSEDED

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