

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-61L
Relating to Approval of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 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 1976 model-year passenger cars are approved for the engine family described below:

Engine Family: 250 (1CEF)
Engine: 250 CID
Transmission: 3 Speed Automatic or 3 Speed Manual
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation
Oxidation Catalyst

Models: Ford
Maverick
Granada
Granada Ghia

Mercury
Comet
Monarch
Monarch Ghia
Grand Monarch Ghia

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 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> |
|----------------------|--|---|---|
| 250 (1CEF) | 0.7 | 4.2 | 1.8 |

BE IT FURTHER RESOLVED: That this Executive Order is conditional upon (1) providing the Air Resources Board with a list of all operating conditions, including malfunctions, which lead to catalyst overheating and the provisions taken to protect against damage caused thereby and such other vehicle information concerning safety as the Air Resources Board may reasonably request; and (2) upon request of the Air Resources Board, provide all purchasers of vehicles built and sold under this Executive Order with any information which is required to be given to purchasers of similar 1976 model-year vehicles manufactured under a subsequent Executive Order.

BE IT FURTHER RESOLVED: That this Executive Order is valid for a period of sixty calendar days from the date of execution.

Vehicles approved 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 31st day of July, 1975.

G. C. Hass by P. J. Pachomes
G. C. Hass, Chief
Division of Vehicle Emissions Control

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-61R
Relating to Approval of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code and Executive Order 6-45-3;

IT IS ORDERED AND RESOLVED: That Ford Motor Company exhaust emission control systems for 1976 model-year passenger cars are approved for the engine family described below:

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Engine: 250 CID
Transmission: 3 Speed Automatic or 3 Speed Manual
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation
Oxidation Catalyst

Models: Ford
Maverick
Granada
Granada Ghia

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Monarch
Monarch Ghia
Grand Monarch Ghia

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 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> |
|----------------------|--|---|---|
| 250 (1CEF) | 0.7 | 4.2 | 1.8 |

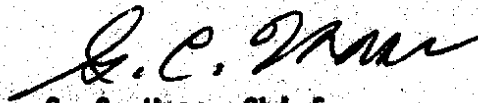
BE IT FURTHER RESOLVED: That, pending further evaluation of the applicant's general standards submission, this Executive Order extends the approval granted under Executive Order A-10-61L to the sale of vehicles with build dates no later than December 31, 1975.

BE IT FURTHER RESOLVED: That this Executive Order is issued subject to Ford Motor Company submitting a list of all operating conditions which may lead to catalyst overheating, the provisions taken to protect against damage caused thereby and such other vehicle information concerning safety as the Air Resources Board may reasonably request.

Vehicles approved 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 1 day of October, 1975.



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

PASSENGER CARS LIGHT-DUTY TRUCKS

MANUFACTURER: FORD MOTOR COMPANY

EXECUTIVE ORDER NO. A-10-61 PAGE NO. 1

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | Tune-up Specifications | | Idle Mixture | |
|---------------|---|------------|--------------------------------|----------------|-----------------|-----------------------|-------------|--|-------------------------|--|----------------------------------|---|--|--|
| | | | | | Mfgr. | Part No. | Type | Mfgr. | Part No. | Type | OC | TR | | Part No. |
| a/ 250 (1CEF) | Maverick Comet Granada Monarch Granada Ghia Monarch Ghia Grand Monarch Ghia | 250 | M/T3 3.00 3.00 3.07 | 3500 4000 | EI C,V VR | Ford D5DE-12127-FA | 1-1V | Carter D5DE-9510-MA Ford D5DE-9510-MB | AI EGR OC CAN | D5DE-5E212-FB D5DE-5E212-GA D5DE-L#A (a) D5DE-5E212-L#B (b) D6BE-5E212-C#A (b) | D40E-9D475-A1A D40E-9D475-A2A | 850 RPM in neutral 500 RPM in neutral w/TSP of | 6° BTDC @ 500 RPM in neutral vacuum Disconnected 6° BTDC @ 500 RPM in neutral vacuum Disconnected | 1) 50-200 RPM 2) 125 RPM in neutral Thermactor disconnected at 750 RPM |
| b/ 250 (1CEF) | Maverick Comet Granada Monarch Granada Ghia Monarch Ghia Grand Monarch Ghia | 250 | A/T3 (C4-3.00) 3.00 3.07 | 3500 4000 | EI V,C VR | Ford D5DE-12127-FA | 1-1V | Carter D5DE-9510-DA Ford D5DE-9510-DB | AI EGR OC CAN | D5DE-5E212-FB D5DE-5E212-GA D5DE-L#B (b) | D4TE-9D475-F1A D4TE-9D475-F2A | 600 RPM in Drive 500 RPM in neutral w/TSP of | 6° BTDC @ 500 RPM in neutral vacuum Disconnected | 1) 20-80 2) 50RPM in Drive Thermactor Disconnected |

(#) means a number is placed in the position designated by #. This signifies the same catalyst design but different catalyst vendors.

Abbreviations:
 Distributor AI - Air Injection
 C - Centrifugal Advance EGR- Exhaust Gas Recirculation
 V - Vacuum Advance OC - Oxidation Catalyst
 VR- Vacuum Retard Evaporative Control System
 EI- Electronic Ignition CAN- Charcoal Canister Storage

*Service
 None
 Misc.
 TSP - Throttle Solenoid Positioner

Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point

(a) 250 (ICEF)-1 (8/13/75)
 (b) 250 (ICEF)-3 (8/14/75)
 Rev. 10/31/75

AIR REPAIR CES BOARD
 SUPPLEMENTARY INFORMATION
 1976 MODEL YEAR

PASSENGER CARS LIGHT-DUTY TRUCKS
 EXECUTIVE ORDER NO. A-10-61 PAGE NO. 2

MANUFACTURER: FORD MOTOR COMPANY

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | | Tune-up Specifications | | |
|---------------|--|------------|-------------------------------------|----------------|----------------|---------------------|----------------|---------------------------------------|-------------------------|--|----------------------------------|--|---|--|
| | | | | | Mfgr. Part No. | Type | Mfgr. Part No. | Type | OC | TR | Part No. Service* | EGR Part No. Service* | Idle RPM | Basic Timing |
| c/ 250 (ICEF) | Maverick Comet | 250 | A/T3 (C4-F) 2.79 3.00 | 3500 | EI, V, VR | Ford D5DE-12127-FA | 1-1V | Carter D5DE-9510-DB D5DE-9510-DA | AI EGR OC CAN | D5DE-5E212-FB D5DE-5E212-GA D5DE-5E212-L#A D5DE-5E212-L#B (c) D6BE-5E212-C#A | D4TE-9D475-F1A D4TE-9D475-F2A | 600 RPM in Drive 500 RPM in Neutral w/TSP off | 10° BTDC @ 500 RPM in Neutral Vacuum Disconnected | 1) 20-80 RPM 2) 50 RPM in Drive Thermactor Disconnected |
| | Granada Ghia | | 2.75 2.79 3.00 3.07 | 4000 | | | | | | | | | | |
| | Monarch Ghia | | | | | | | | | | | | | |
| | Grand Monarch Ghia | | | | | | | | | | | | | |
| d/ 250 (ICEF) | Maverick Comet | 250 | A/T3 (C4-F) 2.79 2.75 2.79 | 3500 | EI, V, VR | Ford D5DE-12127-ACA | 1-1V | Carter D5DE-9510-AAB D5DE-9510-AAA | AI EGR OC CAN | Same as above | D5DE-9D475-BA | 600 RPM in Drive 500 RPM in Neutral w/TSP off | 6° BTDC @ 500 RPM in Neutral Vacuum Disconnected | 1) 0-20 RPM 2) 0 RPM in drive Thermactor Disconnected |
| | Granada Ghia | | | | | | | | | | | | | |
| | Monarch Ghia | | | | | | | | | | | | | |

(#) means a number is placed in the position designated by #. This signifies the same catalyst design but different catalyst vendors.

Abbreviations:
 Distributor AI - Air Injection
 C - Centrifugal Advance EGR - Exhaust Gas Recirculation
 V - Vacuum Advance OC - Oxidation Catalyst
 VR - Vacuum Retard Evaporative Control System
 EI - Electronic Ignition CAN - Charcoal Canister Storage

*Service
 No Service

Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point

Misc.
 TSP - Throttle Solenoid Positioner

(b) 250(1CCEF)-22 Amendment 1 (11/30/75)
 SUPPLEMENTAL INFORMATION (a) 250(1CEF)-4 Amendment 1
 1976 MODEL YEAR (10/23/75)
 (c) A11-4 (12/1/75)

AIR RESOURCES BOARD
 SUPPLEMENTAL INFORMATION
 1976 MODEL YEAR
 PASSENGER CARS
 LIGHT-DUTY TRUCKS

e/ 6-9N-R20 (a)
 EXECUTIVE ORDER NO. A-10-61
 PAGE NO. 3

MANUFACTURER: FORD MOTOR COMPANY

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | | Idle RPM | Basic Timing | Idle Mixture | |
|---------------|---|------------|--------------------------------|----------------|-----------------|---------------------------|----------------|----------------------------|--|--|-------------------|--|--|---|-------------------|
| | | | | | Mfgr. Part No. | Type | Mfgr. Part No. | Type | <input checked="" type="checkbox"/> OC | <input type="checkbox"/> TR | Part No. Service* | | | | Part No. Service* |
| /250(1CEF) | Maverick Comet | 250 | A/T3 (C4-F) 2.79 3.00 | 3500 | EI C,V VR | Ford D6DE- 12127-6A | 1-1V | Carter D6DE- 9510-CA | AI EGR OC CAN | D5DE- 5E212-L#A D5DE- 5E212-L#B (c) D6BE- 5E212-C#A | D5DE- 9D475-AA | 600RPM in Drive 500 RPM in neutral W/TSP of vacuum 650 RPM in drive 500 RPM in neutral W/TSP (Air condition vehicles only) (b) | 80BTDC @750RPM (MAX) in neutral vacuum disconnected | 1) 0-40 RPM 2) 20RPM 3) 10RPM in drive thermactor disconnected | |
| | Granada Granada Ghia Monarch Monarch Ghia Grand Monarch Ghia | | 2.75 2.79 3.00 3.07 | 4000 | | | | | | | | | | | |

(#) Means a number is placed in the position designated by #. This signifies the same catalyst design but different catalyst vendors.

abbreviations:
 distributor
 - Centrifugal Advance
 - Vacuum Advance
 - Vacuum Retard
 - Electronic Ignition

Exhaust Emission Control System
 AI - Air Injection
 EGR - Exhaust Gas Recirculation
 OC - Oxidation Catalyst
 Evaporative Control System
 CAN - Charcoal Canister Storage

Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point
 3) Lean speed drop (applicable only to those with a speed gain of 0 rpm)

*Service
 None
 Misc.
 TSP - Throttle Sole-

MANUFACTURER: FORD MOTOR COMPANY

EXECUTIVE ORDER NO. A-10-61

PAGE NO. 4

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | | Tune-up Specifications | | |
|---------------|---|------------|------------------------------|----------------|------------------|---------------------------|------------------------------------|------------------------|--|--|--------------------------|---|--|----------|
| | | | | | Type | Mfr. Part No. | Type | Mfr. Part No. | Type | OC | TR | Part No. Service* | EGR Part No. Service* | Idle RPM |
| 250 (ICEF) | Maverick Comet | 250 | M/T3 2.79 3.00 | 3500 | EI C.V. VR | Ford D6DE- 12127-KA | 1-1V Carter D6BE- 9510-CA | AI EGR OC CAN | D5DE- 5E212-FB D5DE- 5E212-GA D5DE- 5E212-L#A D5DE- 5E212-L#B D6BE- 5E212-C#A | D5TE- 9D475-FIA D5TE- 9D475-F2A | 850 RPM in neutral | 6° BTDC @ 750 RPM (max) in neutral Vacuum Discon- nected | 1) 0-20 RPM 2) 10 RPM 3) 20 RPM Min in neutral Ther- mactor Discon- nected | |
| | Granada Monarch Monarch Ghia Granada Ghia Grand Monarch Ghia | | 2.79 3.00 3.07 2.75 | 4000 | | | | | | | | | | |

(#) means a number is placed in the position designated by #. This signifies the same catalyst specifications but different catalyst vendors.

abbreviations:
 distributor
 - Centrifugal Advance
 - Vacuum Advance
 - Vacuum Retard
 - Electronic Ignition

Exhaust Emission Control System
 AI - Air Injection
 EGR - Exhaust Gas Recirculation
 OC - Oxidation Catalyst
 Evaporative Control System
 CAN - Charcoal Canister Storage

Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point
 3) Lean speed drop (applicable only to those with a speed gain of 0 rpm)

*Service
 None
 Misc.
 TSP - Throttle Sole-

AIR RESOURCES BOARD
 SUPPLEMENTARY INFORMATION (b) A11-4(12/1/75)
 1976 MODEL YEAR
 PASSENGER CARS
 LIGHT-DUTY TRUCKS

(c) 250 (ICEF)-28 Amendment #5 (2/26/76)
 EXECUTIVE ORDER NO. A-10-61
 PAGE NO. 5

g/6-9N-R21(a)

MANUFACTURER: FORD MOTOR COMPANY

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | | Tune-up Specifications | | | |
|---------------|---|------------|--------------------------------|----------------|----------------|---------------------------|----------------|---|-------------------------|---|--|---------------------------|---|---|---|
| | | | | | Mfgr. Part No. | Type | Mfgr. Part No. | Type | OC | TR | Part No. Service* | EGR Service* | Idle RPM | Basic Timing | Idle Mixture |
| 250(ICEF) | Maverick Comet | 250 | A/T3 (C4-F) 2.79 3.00 | 3500 | EI C,V | Ford D6DE- 12127-GA | 1-1V | Carter D6DE- 9510-CA D6DE- 9510-CB (c) | AI EGR OC CAN | <input checked="" type="checkbox"/> OC <input type="checkbox"/> TR | D5DE- 5E212-L#A D5DE- 5E212-L#B D6BE- 5E212-C#A | D5DE- 9D475-A#A (b) | 650 RPM in drive 500 RPM in neutral W/TSP off | 60BTDC @750 RPM (Max.) in neutral vacuum discon- nected | 1) 0-40RPM 2) 20 RPM 3) 10 RPM (Min.) in Drive Thermactor Discon- nected |
| | Granada Granada Ghia Monarch Monarch Ghia Grand Monarch Ghia | | (2.79 2.75 3.00 3.07) | 4000 | | | | | | | | | | | |

(#) Means a number is placed in the position designated by #.
 the same catalyst design but different catalyst vendors.
 This signifies

Abbreviations:
 distributor
 - Centrifugal Advance
 - Vacuum Advance
 - Vacuum Retard
 - Electronic Ignition

Exhaust Emission Control System
 AI - Air Injection
 EGR - Exhaust Gas Recirculation
 OC - Oxidation Catalyst
 Evaporative Control System
 CAN - Charcoal Canister Storage

Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point
 3) Lean speed drop (applicable only to those with a speed gain of 0 rpm)

*Service
 None
 Misc. TSP - Throttle Sole-

PASSENGER CARS

LIGHT-DUTY TRUCKS

MANUFACTURER: FORD MOTOR COMPANY

EXECUTIVE ORDER NO. A-10-61

PAGE NO. 6

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | | Tune-up Specifications | | |
|---------------|---|------------|--------------------------------|----------------|-------------|---------------------------|-------------|--|--|--|--------------------|--|--|---|
| | | | | | Type | Mfr. Part No. | Type | Mfr. Part No. | OC <input checked="" type="checkbox"/> | TR <input type="checkbox"/> | Part No. Service* | EGR Part No. Service* | Idle RPM | Basic Timing |
| h/250 (ICEF) | Maverick Comet | 250 | A/T3 (C4-F) 2.79 3.00 | 3500 | EI C,V | Ford D6DE- 12127-GA | 1-1V | Carter D6DE- 9510-CA D6DE 9510-CB (b) | 1-1V | D5DE- 5E212-L#A D5DE- 5E212-L#B D68E- 5E212-C#A | D5DE- 9D475-A#A | 650 RPM in drive 500 RPM in neutral W/TSP off (air con- dition vehicle) 600 RPM in drive 500 RPM in neutral W/TSP off (non-air condition vehicle) | 4° BTDC @750 RPM (Max.) in neutral vacuum discon- nected | 1) 0-80RPM 2) 30 RPM 3) 10 RPM (Min.) in Drive Thermactor Discon- nected |
| | Granada Granada Ghia Monarch Monarch Ghia Grand Monarch Ghia | | (2.75 2.79 3.00 3.07) | 4000 | | | | | | | | | | |

(#) Means a number is placed in the position designated by #. This signifies the same catalyst design but different catalyst vendors.

Exhaust Emission Control System
 AI - Air Injection
 EGR - Exhaust Gas Recirculation
 OC - Oxidation Catalyst
 Evaporative Control System
 CAN - Charcoal Canister Storage

Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point
 3) Lean speed drop (applicable only to those with a speed gain of 0 rpm)

*Service
 None
 Misc.
 TSP - Throttle Sole-
 noid Position

MANUFACTURER: FORD MOTOR COMPANY

| Engine Family | Vehicle Models (If coded see attachment) | Engine CID | Trans & Axle Ratio | Inertia Weight | Distributor | | Fuel System | | Emission Control System | | Tune-up Specifications | | | |
|---------------|--|------------|------------------------------|----------------|----------------|--------------------|----------------|--------------------------------------|-------------------------|--|-------------------------------|--------------------|---|--|
| | | | | | Mfgr. Part No. | Type | Mfgr. Part No. | Type | OC | TR | Part No. Service* | EGR | Part No. Service* | Idle RPM |
| i/250 (ICEF) | Maverick Comet | 250 | M/T3 2.79 3.00 | 3500 | EI, C.V, VR | Ford D6DE-12127-KA | 1-1V | Carter D6BE-9510-CA D6BE-9510-CB (b) | AI EGR OC CAN | D5DE-5E212-FB D5DE-5E212-GA D5DE-5E212-L#A D5DE-5E212-L#B D6BE-5E212-C#A | D5TE-9D475-FIA D5TE-9D475-F2A | 850 RPM in neutral | 60BTDC @750 RPM (max.) in neutral vacuum disconnected | 1) 0-20RPM 2) 10 RPM 3) 20 RPM Min. in neutral thermactor disconnected |
| | Granada Monarch Ghia Granada Ghia Grand Monarch Ghia | | 2.79 3.00 3.07 2.75 | 4000 | | | | | | | | | | |

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- Tune-up Specifications
 1) Acceptable propane speed gain range
 2) Propane speed gain set point
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- *Service
 None
 Misc. TSP - Throttle Sole-