(Page 1 of 2) E.O. Book

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-117-1 Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Ford Motor Company exhaust emission control systems for 1978 model-year medium duty vehicles are certified for the vehicles described below:

Engine Family: 351M/400 "A" (1X100) Engine: 351 CID, 400 CID Transmission: 3-speed Automatic Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

Executive Order A-10-117 dated August 26, 1977 is hereby rescinded.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

| Engine Family | Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|-------------------------|----------------|-----------------|-----------------|
| | Grams per Mile | Grams per Mile | Grams per Mile |
| 351M/400 "A" (1X100) | 0.7 | 12 | 2.3 |

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-10 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

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 _____ day of October, 1977.

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6 p. Man G. C. Hass, Chief

Vehicle Emissions Control Division

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| Manufacturer_ | Ford Motor C | ompany | Executive Order | No | Page 1 |
|---------------|--------------|---------|-----------------|-----|--------|
| Engine Family | 351M7400 "A" | (1X100) | Engine (CID) | 351 | |

| ABBREVIATIONS | | |
|--------------------------|--|--|
| Distributor | Exhaust Emissions Control System | |
| C-Centrifugal Advance | AI-Air Injection | OC-Oxidation Catalyst |
| V-Vacuum Advance | CAI-Catalyst Air Injection | PAI-Pulse Air Injection |
| VR-Vacuum Retard | CAB-Chamber Air Bleed | RC-Reduction Catalyst |
| HEI-High Energy Ignition | DD-Dual Displacement | TC-Turbo Charged |
| El-Electronic Ignition | EFI-Electronic Fuel Injection | TR-Thermal Reactor |
| Fuel System | EGR-Exhaust Gas Recirculation | TWC-Three Way Catalyst |
| EFI, FI | EM-Engine Modification | (Feedback Control) |
| nV-nVenturi Carburetor | EFE-Early Fuel Evaporation | EGR Syst. Service |
| VV-Variable Venturi | ESAC-Electronic Spark Advance Control | I-Inspect, repair/replace as needed |
| | FI-Fuel Injection | R-Replace |

| Mode1 | Body Type | Wheelbase | Box Design | Trim Levels |
|-------|----------------------------|------------|---------------|----------------|
| F-150 | Regular Cab | ĹŴB | A or B | 1,2,3,4 |
| | Regular Cab Chassis Cab | LWB | | 1,2,3,4 |
| | Super Cab | SWB or LWB | A | 1,2,3,4 |
| | Super Cab Chassis Cab | SWB or LWB | | 1,2,3,4 |
| F-150 | Regular Cab | SWB or LWB | A or B | 1,2,3,4 |
| 4X4 | Regular Cab Chassis Cab | SWB or LWB | | 1,2,3,4 |
| | Super Cab | LWB | А | 1,2,3,4 |
| · | Super Cab Chassis Cab | LWB | | 1,2,3,4 |
| F-250 | Regular Cab | LWB | A or B | 1,2,3,4,5 |
| | Regular Cab Chassis Cab | LWB | | 1,2,3,4,5 |
| | Super Cab | SWB or LWB | A | 1,2,3,4,5 |
| | Super Cab Chassis Cab | SWB or LWB | | 1,2,3,4,5 |

| | • | | | |
|---|----------------------------|------------------------------|--------|-----------------------------|
| | Crew Cab | LWB | A | 1,3 |
| | Crew Cab Chassis Cab | LWB | | 1,3 |
| F-250 4X4 | Regular Cab | LWB | A or B | 1,2,3,4,5 |
| | Regular Cab Chassis Cab | LWB | | 1,2,3,4,5 |
| | Super Cab | LWB | А | 1,2,3,4,5 |
| | Super Cab Chassis Cab | LWB | | 1,2,3,4,5 |
| | Crew Cab | LWB | А | 1,3 |
| Bronco | Crew Cab Chassis Cab | LWB | | 1,3 1,3 |
| dhee1bas | <u>e</u> | Box Design | Trim | Level |
| SWB Short Wheelbase LWB Long Wheelbase | | A. Styleside B. Flareside | 2. R | ustom anger anger XLT |

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| Manu | facturer <u>Ford</u> | Motor | Company | Execu | tive Order No | 0. <u>A-10-11</u> | 7_1 | Page 2a | | |
| Engi | ne Family <u>351M/4</u> | 00 "A" | (1 X 10 | O) Engin | e (CID)3 | 351 | | Engine Code 8-605-R11 | | |
| Emis | sion Control Sy | stem _ | EGR, AI | , 00 | | +10%(A/C) Included in | Yes n lis | No 🖸 | | |
| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class RLHP | Mfgr. | Type 2 V Mfgr. | EGR System Part No. | Tune Spec (1) (2) | | | |
| | <u>F-250</u> Regular Cab LWB Super Cab | A-3 | 4500 21.0 5000 | Ford D7AE- 12127-BA | | D80E- 9 D448-BA | H V C | B ^O BTDC + 2 ^O @ 500 RPM in neutral V/Vacuum line disconnected and blugged at | | |
| | SWB, LWB Crew Cab | | 21.0 | | | | C | listributor. Preset at factory. | | |
| T | Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab SWB Cab & Chassis | | 6000 28.0 | | | | (3) 6 | Do not adjust. See 1978 Ford Service Manual. 550 <u>+</u> 50 RPM in Brive. All hoses connected. | | |
| | Crew Cab LWB | | | | | | | | | |
| | Cab & Chassis Super Cab LWB | | 6500 28.0 | | | | | | | |
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| | age] for abbre | viatio require | ns and m | | load HP sett | ings. | | | | |
| Date | See page] for abbreviations and model codes. No service required Date of Issue 082677 Revisions: 101477 | | | | | | | | | |

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| | 🗋 Passen | ger Ca | rs [| □ Light-Duty | Trucks 🖄 | Medium Dut | ty Vehicles |
|--------------|--|------------------|----------------------------|--------------|---------------------------------|-----------------------|--|
| Manu | facturer Ford M | otor C | ompany | Execu | tive Order No | A-10-11 | 7-1 Page 2b |
| Engi | ne Family_351M/ | 400 "A | " (1 X 1 | 00) Engin | e (CID)35 | 51 | Engine Code 8-608-R11 |
| Emis | sion Control Sys | stem _ | EGR, A | I, OC | | +10%(A/C) Included | Yes 🎽 No 🗖 in listed RLHP |
| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class | Mfar. | Fuel System Type 2 v Mfar | EGR System | |
| | F-250 (4 X 4) Regular Cab LWB | A-3 | 5000 22.0 | D7AE- | | D80E- 9D448-BA | (1) 8° BTDC <u>+</u> 2° @ 500 RPM in neutral W/Vacuum line disconnected and |
| | Super Cab LWB Crew Cab LWB | | <u>5500</u> 22.0 | | | | plugged at distributor. (2) Preset at factory. Do not adjust. |
| | Cab & Chassis Crew Cab | | 6000 28.0 | | 2 | | See 1978 Ford Service Manual. |
| | Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab LWB | | 6500 28.0 | | | | (3) 650 <u>+</u> 50 RPM in drive. All hoses connected. |
| | Bronco | | 5000 22.0 | | | | |
| • | nts: All age for abbre ** No servi of Issue 08267 | viatio ce req | ns and m | | load HP sett | ings. | |
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| ` | 🗌 Passen | ger Car | rs E | ∃ Light-Duty | Trucks 🕱 | Medium Dut | y Vel | nicles | |
|--------------|---|---------|---------------------|--------------|---|-----------------------|-------------------|--|-----------------------|
| Manu | facturer For | d Motor | c Company | Execu | tive Order No | A-10-117 | <u>L</u> 1 | Page | 2 |
| Engi | ne Family <u>351M</u> | /400 "/ | A" (1 X 1 | LOO) Engine | e (CID) <u>3</u> | 51 | | Engine Code | 8-605-R11 |
| Emis | sion Control Sy | stem _ | EGR, AI, | , OC | | +10%(A/C) Included | Yes in 1 | 🔀 No isted R | LHP |
| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Class | | Fuel System Type 2 v Mfgr. Part Number | | Spe (1) (2) | cificat [.] | Timing ixture |
| | <u>F-150</u> Regular Cab LWB Super Cab SWB | A-3 | 4500 21.0 | D7AE- | Ford D8TE- 9510-CRA | D80E- 9D448-BA | | RPM in Vacuum connect plugged | at |
| | LWB | | 5000 21.0 | | | | | distrib - | |
| | Cab & Chassis Regular Cab LWB Cab & Chassis | | <u>5000</u> 28.0 | | | | | Do not 1978 Fo Manual. | |
| | Super Cab SWB, LWB | | | | | | | drive. | O RPM in All hoses |
| | F-150 (4 X 4) Regular Cab SWB, LWB | | <u>5000</u> 22.0 | | | | | connect | ed• |
| | Super Cab LWB | | <u>5500</u> 22.0 | | | | | | |
| | Cab & Chassis Regular Cab SWB, LWB Cab & Chassis Super Cab LWB | | 5000 28.0 | | | | | | |
| Comme | ents: A11 | | | | load HP set | l tings. | <u> </u> | | |
| See | page 1 for abbro | | | model codes. | | - | | | |
| Date | of Issue 08267 | 7 Rev | /isions: | 101477 | | | | | |
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| | 🗌 Passen | ger Can | rs E |] Light-Duty | Trucks 🛛 | Medium Dut | y Veh | icles |
|------|---|------------------|-------------------------------------|--------------------------|--|-----------------------|--------------------|---|
| | facturer For | | | | | | | FNOINE |
| Engi | ne Family_351M | /400 "/ | <u>(1 X 1</u> | .00) Engine | e (CID) <u>4</u> | 00 | | Code8-62T-R10 |
| Emis | sion Control Sy | stem _ | EGR, AI, | , OC | | +10%(A/C) Included | Yes in 1 | No Disted RLHP |
| | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class RLHP | Type c, v | Fuel System Type <u>2</u> V Mfgr. Part Number | | Spec (1) (2) | e-Up cification Basic Timing Idle Mixture Idle Speed |
| | <u>F-150</u> Regular Cab LWB Super Cab SWB | A-3 | <u>4500</u> 21.0 | Ford D8TE 12127-FA | Ford D8TE- 9510-CRA | D80E- 9 D448-BA | | 8 ⁰ BTDC <u>+</u> 2 ⁰ @ 500 RPM in neutral W/ Vacuum line dis- connected and plugged at distributor. |
| - | LWB Cab & Chassis Regular Cab LWB Cab & Chassis | | <u>5000</u> 21.0 5000 28.0 | | | | | Preset at factory. Do not adjust. SE 1978 Ford Service Manual. |
| | Super Cab SWB, LWB F-150 (4 X 4) Regular Cab SWB, LWB | | <u>5000</u> 22.0 | | - | | | 650 <u>+</u> 50 RPM in drive. All hoses connected. |
| | Super Cab LWB | - | <u>5500</u> 22.0 | 4 | | | | |
| | Cab & Chassis Regular Cab SWB, LWB Cab & Chassis Super Cab LWB | - | <u>5000</u> 28.0 | | | | | |
| See | ents: <u>All</u> page I for abbr <u>** No service</u> | eviati reguir | ons and ed | model codes. | l load HP set | tings. | | |
| Date | of Issue 10/1 | 4/77 Re | visions: | | | | | |

Light-Duty Trucks K Medium Duty Vehicles Passenger Cars 3a Manufacturer Ford Motor Company Executive Order No. A-10-117-1 Page Engine Engine Family 351M/400 "A" (1 X 100) Engine (CID) 400 8-62T-R10 Code +10%(A/C) Yes M No I Included in listed RLHP EGR, AI, OC Yes 🏝 No 🗖 Emission Control System Eng. Vehicle Models Inertia Distributor Fuel System EGR System Tune-Up Specification Code (If Coded see Trans Weight Туре Type c, v 2 V attachment) Class Mfgr. (1) Basic Timing Mfgr. Part No. Part Number Part Number Service ** (2) Idle Mixture (3) Idle Speed RLHP (1) 8° BTDC + 2° @ 500 F-250 A-3 4500 Ford Ford RPM in neutral Regular Cab 21.0 D80E-D8TE D8TE-W/Vacuum line LWB 12127-FA 9510-CRA 9D448-BA disconnected and plugged at Super Cab 5000 distributor. SWB, LWB 21.0 Crew Cab. LWB (2) Preset at factory. Do not adjust. Cab & Chassis 6000 See 1978 Ford 28.0 Regular Cab Service Manual. LWB Cab & Chassis (3) 650 + 50 RPM in Super Cab drive. All hoses SWB connected. Cab & Chassis Crew Cab LWB Cab & Chassis 6500 28.0 Super Cab LWB models have special road load HP settings. **A11** Comments: See page] for abbreviations and model codes. Date of Issue 10/14/77 Revisions:

| | 🗋 Passen | ger Ca | rs [|]Light-Duty | Trucks 🖄 | Medium Dut | y Vehicl | les |
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| Manu [.] | facturer <u>Ford M</u> | otor C | ompany | Execut | tive Order No | A-10-11 | 7-1 Pa | ige |
| | ne Family 351M/ | | | | | | E.I | ngine ode ⁸ -62 T-R 10 |
| - | sion Control Sy | | | | | +10%(A/C) Included | | |
| | Vehicle Models (If Coded see attachment) | | | Type c, v | Fuel System Type 2 V Mfgr. Part Number | | Specifi (1) Bas (2) Id1 | ication |
| | F-250 (4 X 4) Regular Cab LWB | A-3 | <u>5000</u> 22.0 | Ford D8TE 12127-FA | Ford D8TE- 9510-CRA | D80E- 9D448-BA | RPM W/V dis | BTDC <u>+</u> 2 ⁰ @ 500 in neutral acuum line connected and |
| | Super Cab LWB Crew Cab LWB | | 5500 22.0 | | | | dis (2) Pre | gged at tributor. set at factory. not adjust. |
| | Cab & Chassis Crew Cab | | 6000 28.0 | | | | 1 | 1978 Ford vice Manual. |
| | Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab LWB | | <u>6500</u> 28.0 | • | | | dri | <u>+</u> 50 RPM in ve. All hoses nected. |
| | Bronco | | <u>5000</u> 22.0 | | | | | |
| | | | | | | | , , , | |
| | age 1 for abbre | eviatio ice re | ons an <mark>d r</mark> q uired | special road model codes. | load HP set1 | l | <u>.</u> | |
| Date | of Issue 10/14/ | 77 Re | isions: | | | | | |
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| Eng. | sion Control Sy Vehicle Models (If Coded see attachment) | | Inertia | Distributor Type c, v | Fuel System Type 2 V | Included EGR System | Yes 🐴 No 🗖 <u>in listed RLHP</u> Tune-Up Specification |
|-------|--|--------|-----------------------|---------------------------------|---------------------------|------------------------|---|
| | | | RLHP | Mfgr. Part Number | Mfgr. Part Number | Part No. Service ** | (1) Basic Timing(2) Idle Mixture(3) Idle Speed |
| | <u>F-150</u> Regular Cab LWB Super Cab SWB | A-3 | <u>4500</u> 21.0 | Ford D7AE- 12127-BA | Ford D8TE- 9510-CRA | D80E- 9D448-BA | <pre>(1) 8⁰ BTDC + 2⁰ @ 500 RPM in neutral W/ Vacuum line dis- connected and plugged at</pre> |
| | LWB | | 5000 21.0 | | | | distributor. |
| | Cab & Chassis Regular Cab LWB Cab & Chassis | | <u>5000</u> 28.0 | | · | | (2) Preset at factory. Do not adjust. SI 1978 Ford Service Manual. |
| | Super Cab SWB, LWB | | . . | | | | (3) 650 <u>+</u> 50 RPM in drive. All hoses |
| | F-150 (4 X 4) Regular Cab SWB, LWB | | <u>5000</u> 22.0 | | | | connected. |
| | Super Cab LWB | | <u>5500</u> 22.0 | | | | |
| | Cab & Chassis Regular Cab SWB, LWB Cab & Chassis Super Cab | | <u>5000</u> 28.0 | | | | |
| | LWB | | | | | | |
| | nts: <u>All</u> age 1 for abbre ** No service r | viatio | ns and m | pecial road odel codes. | load HP sett | ings. | |
| ommer | Regular Cab SWB, LWB Gab & Chassis Super Cab LWB | model | 28.0 - s have s | pecial road | load HP sett | ings. | |

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| | 🗆 Passenger Cars 🛛 Light-Duty Trucks 😰 Medium Duty Vehicles | | | | | | | | | | |
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| manu | facturer <u>Ford</u> | Motor | Company | Execu | tive Order No | A-10-11 | 7_1 | | | | |
| Engi | ne Family351M/4 | ייאיי 00 | (1 X 10 | 0) Engin | e (CID) <u>3</u> | 51 | | Engine Code <u>8-605-R12</u> | | | |
| Emission Control System EGR, AI, OC +10%(A/C) Yes A No I Included in listed RLHP | | | | | | | | | | | |
| | Vehicle Models (If Coded see attachment) | | | Type c, v Mfgr. | | EGR System Part No. | Tune Spec | | | | |
| | | | RLHP | | | | (3) | Idle Speed | | | |
| , | <u>F-250</u> Regular Cab LWB | A-3 | 4500 21.0 | Ford D7AE- 12127-BA | Ford D8TE- 9510-CRA | D80E- 9 D448-BA | | 8 ⁰ BTDC + 2 ⁰ @ 500 RPM in neutral W/Vacuum line disconnected and | | | |
| | Super Cab SWB, LWB Crew Cab | | $\frac{5000}{21.0}$ | • • • | | | | plugged at distributor. Preset at factory. | | | |
| | Cab & Chassis Regular Cab LWB Cab & Chassis | | 6000 28.0 | | | | | Do not adjust. See 1978 Ford Service Manual. | | | |
| | Super Cab SWB Cab'& Chassis Crew Cab LWB | | | | | ν. | | 650 <u>+</u> 50 RPM in drive. All hoses connected. | | | |
| | Cab & Chassis Super Cab LWB | | <u>6500</u> 28.0 | | | | | | | | |
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| | | and a second | | | | | • | | | | |
| Comme See p | nts: <u>All</u> age] for abbre ** No service i | | | | load HP sett | ings. | _ | | | | |
| Date of Issue 11/15/77 Revisions: R/C-37T | | | | | | | | | | | |
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| Manu | facturer <u>Ford</u> M | otor C | ompany | Execu | tive Order No | A-10-11 | 7-1 Page 46 |
| Engi | ne Family_351M/ | 400 "A | " (1 X 1 | 00) Engine | e (CID) 35 | 1 | Engine Code 8-605-R12 |
| | sion Control Sy | | | - | | | Yes No D in listed RLHP |
| | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class | Distributor Type c, v Mfgr. Part Number RLHP | Fuel System Type 2 V Mfgr. Part Number | Part No. | Specification (1) Basic Timing |
| | F-250 (4 X 4) Regular Cab LWB | A-3 | <u>5000</u> 22.0 | Ford D7AE- 12127-BA | Ford D8TE- 9510-CRA | D80E- 9D448-BA | (1) 8° BTDC + 2° @ 500 RPM in neutral W/Vacuum line disconnected and plugged at distributor. (2) Preset at factory. Do not adjust. |
| | Super Cab LWB Crew Cab LWB | | 5500 22.0 | | | | |
| | Cab & Chassis Crew Cab | | 6000 28.0 | | | | See 1978 Ford Service Manual. |
| | Cab & Chassis Regular Cab LWB Cab & Chassis Super Cab LWB | | 6500 28.0 | | | | (3) 650 <u>+</u> 50 RPM in drive. All hoses connected. |
| | Bronco | | 5000 22.0 | | | | · · · · · · · · · · · · · · · · · · · |
| - | | | | | | | · · · |
| | age 1 for abbre ** No servi of Issue 11/15/7 | viatio lce req 77 Rev | ns and m | pecial road odel codes. | load HP sett | ings. | ······································ |
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