## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-10-262 Relating to Certification of New Motor Vehicles

## FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1984 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks and medium-duty vehicles:

| Engine Family |     | acement<br>hes (Liters) | Exhaust Emission Control Systems<br>(Special Features)                                   |
|---------------|-----|-------------------------|--|
| EFM4.9T1HGG5  | 300 | (4.9)                   | Air Injection - Pump<br>Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop |

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

| Equivalent<br>Inertia<br>Weight | Hydrocarbons<br>Grams per Mile | Carbon Monoxide<br>Grams per Mile | Nitrogen Oxides<br>Grams per Mile |
|---------------------------------|--------------------------------|-----------------------------------|-----------------------------------|
| 4000-5999                       | 0.50                           | 9.0                               | 1.0                               |
| The following are family:       | the certification              | emission values for               | the above engine                  |
| Equivalent<br>Inertia<br>Weight | Hydrocarbons<br>Grams per Mile | Carbon Monoxide<br>Grams per Mile | Nitrogen Oxides<br>Grams per Mile |
| 4000-5999                       | 0.37                           | 6.9                               | 0.8                               |

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this /2/

K. D. Drachand, Chief

Mobile Source Control Division

LWB

| Manufacturer Ford Motor Co  |  | -10-262  |
|---|--|--|
| Engine Family <u>EFM4.9TlHGG</u>  | 5 Evaporative Family 4   | M/4GO  |
|   | Engine CID (Liters) 3  | 00 (4.9)   |
| ABBREVIATIONS   |  |  |
| Ignition System   | Exhaust Emissions Control System   | Special Feature  |
| CA-Centrifugal Advance EEC-Electronic Engine Control EI-Electronic Ignition ESAC-Electronic Spark Advance Control | AIP-Air Injection-Pump<br>AIV-Air Injection-Valve<br>CL-Closed Loop<br>EGR-Exhaust Gas Recirculation<br>EM-Engine Modification | CCV-Combustion<br>Chamber V<br>CFI-Central Fu<br>Injection<br>DID-Diesel |
| VA-Vacuum Advance<br>VR-Vacuum Retard   | DC-Dxidation Catalyst System TR-Thermal Reactor TWC-Three-Way Catalyst System  | Injection Direct DIP-Diesel  |
| Fuel System CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor VV-Variable Venturi                                |  | Injection Prechamber EFI-Electronic Fuel Injection MFI-Mechanical Fuel   |
| VEHICLE MODELS:   | BODY TYPE  | Injection<br>TC-Turbocharge<br>BODY CODE                                 |
| F-100/150 4x2   | (CAB STYLE)  Regular Cab  Regular Cab  Super Cab  Super Cab  | (Wheelbase) SWB LWB SWB LWB  |
| F-150 4x4   | Regular Cab<br>Regular Cab<br>Super Cab  | SWB<br>LWB<br>LWB  |
| F-250 4x2   | Regular Cab<br>Super Cab   | LWB<br>SWB   |
| F-250 4x4   | Regular Cab<br>Super Cab   | LWB  |
| Bronco  |  | STD  |
| E-100/150   | Regular Van Regular Van Super Van Club Wagon Club Wagon  | SWB<br>LWB<br>LWB<br>SWB   |
| ;<br>E≂250  | Club Wagon<br>Regular Van  | LWB  |

E4.9TGG

Regular Van

Super Van

E-250

Engine Family \_

E.O. #A-10-262

198 4 ATR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

| <b>E</b> (                   | S (Special Fe                  | atures            | ) _ <u>aip</u> /       | EGR/EG                     | S/TWC  | CID (Liter)-<br>Type _ | 300 (4.9)         | I-6_       |
|------------------------------|--------------------------------|-------------------|------------------------|----------------------------|--|------------------------|-------------------|------------|
| Engine<br>Code               | Vehicle<br>(If Code<br>attachm | d see             | Trans.                 | Equiv.<br>Test .<br>Weight | Ign. System<br>ESAC                                  | Fuel System<br>, 1-1V  | EGR Valve         | lab<br>Ide |
| •                            |                                |                   | <u> </u>               |                            | Part No.   | Part No.               | Part No.          | Par        |
| 4-52G-R00B                   | F-100/150                      | 4x2<br>SWB        | C5                     | 3750                       | E4EF-12A650-<br>VA                                   | E4TE-9510- HA          | E3TE-<br>9D448-RA | AF         |
|                              |                                |                   |                        | 3875                       |  |                        |                   |            |
|                              |                                | LWB<br>SWB        |                        | 4000                       |  |                        |                   | ł          |
|                              |                                | LWB               |                        | 4250                       |  |                        |                   |            |
|                              |                                | SWB               | C6-013                 | 3750                       |  |                        |                   |            |
|                              |                                | LWB               |                        | 3875                       |  |                        |                   |            |
|                              |                                | SWB               |                        | 4250                       |  | ٠.                     |                   |            |
|                              |                                | LWB               |                        | 4250                       | [<br>]   |                        |                   |            |
| -52L-ROOB                    | E-100/150                      | 4x2<br>SWB        | C6-003                 | 4250                       | E4EF-12A650  | E4TE-<br>9510-HA       | E3TE<br>9D448-EA  | AI         |
|                              |                                | LWB               |                        | 4250                       |  |                        |                   |            |
|                              |                                | LWB               |                        | 4500                       |  |                        |                   |            |
|                              |                                | SWB               |                        | 4750                       |  |                        |                   |            |
|                              |                                | LWB               |                        | 5000                       | İ  |                        |                   |            |
| •                            | E-250                          | LWB<br>LWB        |                        | 5250<br>4750<br>5000       |  | •                      |                   |            |
| Please<br>equipme<br>*Add lo | refer to manu                  | factur<br>lest we | er's HP 1<br>ights are | ist for<br>e listed,       | nd evaporative correct dyno i the lower we ng usage. | est HP settin          | os based on a     | Tebor      |

Engine Family \_

Issue Date:

17-3

| Engi           | facturer <u>Ford</u><br>ne Family <u>EFM4</u><br>(Special Features) | .9TlHGG  | 5  |                           | Page Engin Code CID (Liter)- Type |                   | <u> </u>               |
|----------------|---|--|--|---------------------------|-----------------------------------|-------------------|------------------------|
| Engine<br>Code | Vehicle Models<br>(If Coded see<br>attachment)                      | Trans.   | Equiv.<br>Test<br>Weight                     | Ign. System ESAC Part No. | Fuel System 1-1V Part No.         | EGR Valve         | Label<br>Ident<br>Part |
| 4-52S-ROOB     | F-100/150 4x2 SWB SWB LWB SWB SWB LWB LWB                           | A0X040<br>052<br>A0X041<br>A0X040<br>A0X041<br>A0X041<br>053<br>A0X041<br>053<br>A0X041<br>053 | 3875<br>3875<br>4250<br>4250<br>4250<br>4250 | E4EF-12A650<br>ZA         | E4TE-<br>9510-6A                  | E3TE-<br>9D448-RA | AFL                    |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

Engine Family E4.9TGG

Issue Date:

17-4

|                |                              | 198 4 /      | AIR RESO    | URCES BOA                  | ARD SUPPLEMENT            | AL DATA SHEET                  | ** <u>-10-202</u> |                        |
|----------------|------------------------------|--------------|-------------|----------------------------|---------------------------|--------------------------------|-------------------|------------------------|
| Pass           | enger Cars                   | <u>x_</u> L1 | ight-Duty   | y Trucks                   | x Medium-D                | uty Vehicles                   | x Gas _           | Diesel                 |
| Manu           | facturer _                   | Ford         | Motor       | Соправ                     | y                         | Page                           | 4                 |                        |
| Engi           | ne Family                    | EFM4         | .9T1HG      | <b>35</b>                  |                           | Engin<br>Code                  | e<br>             |                        |
| ECS            | (Special F                   | eatures]     | _AIP        | EGR/EG                     | S/TWC                     | CID (Liter)-<br>Type _         | 300 (4.9)         | 1-6                    |
| Engine<br>Code | Vehicle<br>(If Cod<br>attach | ed see       | Trans.      | Equiv.<br>Test '<br>Weight | Ign. System ESAC Part No. | Fuel System Carb 1-1Y Part No. | EGR Valve         | label<br>Ident<br>Part |
| 4-51R-ROOB     | F-250                        | 4x2<br>LWB   | мз<br>3.26  | 4500                       | E4EF-<br>12A650-NA        | E4TE-<br>9510-HA               | E3TE-<br>9D448-BA | AFL                    |
|                | F-250                        | 4x2<br>LWB   |             | 4750                       | Paris                     |                                |                   |                        |
| <b>:</b>       | F-150                        | 4×4<br>SWB   | M4<br>3.25  | 4250                       |                           |                                |                   |                        |
| •              | F-150                        | 4x4<br>LWB   |             | 4500                       |                           |                                |                   |                        |
|                | F-150                        | 4x4<br>LWB   | M4<br>3.25  | 4750                       |                           |                                |                   |                        |
| 6              | Bronco                       |              | ,           | 4750                       | ·                         |                                |                   | Ì                      |
|                | F-150                        | 4x4<br>SWB   | M-4<br>6.32 | 4250                       |                           |                                | ·                 |                        |
|                | F-150                        | 4x4<br>LWB   |             | 4500                       |                           |                                |                   |                        |
|                | F-150                        | 4x4<br>LWB   |             | 4750                       |                           |                                |                   |                        |
|                | F-250                        | 4x2<br>LWB   |             | 4500                       |                           |                                |                   |                        |
|                | F-250                        | 4x2<br>LWB   |             | 4750                       | <i>:</i>                  |                                |                   |                        |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue -

**071000** 

Engine Family E4.9TGG

tssue Date: MAY 3 1 1983 17-5

<sup>\*</sup>Add 10% to dyno test HP for air conditioning usage.

198 4 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

| Manufacturer Ford Motor Company Page 5                           | Passenger Cars   | x Light-Duty Trucks        | x_ Medium-Duty | Vehicles       | x Gas    | Diese    | 1 |
|--|------------------|----------------------------|----------------|----------------|----------|----------|---|
|  | Manufacturer     | Ford Motor Company         |                | Page<br>Engine | 5        |          | _ |
| Engine family <u>EFM4.9TlHGG5</u> Code                           | Engine Family _  | EFM4.9T1HGG5               |                | Code           | <b>.</b> |          | _ |
| ECS (Special Features) <u>AIP/EGR/EGS/TWC</u> Type 300 (4.9) 1-6 | ECS (Special Fer | itures) <u>AIP/EGR/EGS</u> | /TWC CI        |                | 300 (4   | 1.9) I-6 | _ |

| Engine<br>Code          |        | e Models<br>ded see<br>hment) | Trans.      | Equiv.<br>Test .<br>Weight | Ign. System ESAC Part No. | Fuel System Carb, 1-1V Part No. | EGR Valve Part No. | labe<br>Iden<br>Part |
|-------------------------|--------|-------------------------------|-------------|----------------------------|---------------------------|---------------------------------|--------------------|----------------------|
| 4-51R-R00B<br>Continued | F-250  | 4×4<br>LWB                    | M-4<br>6.32 | 4750                       | E4EF-<br>12A650-NA        | E4TE-<br>9510-HA                | E3TE-<br>9D448-BA  | AFL                  |
|                         | F-250  | 4×4<br>LWB                    |             | 5000                       |                           |                                 |                    |                      |
|                         | Bronco | i                             | 1           | 4750                       | •                         | 1                               | 1                  | ļ                    |
|                         | F-150  | 4×4<br>SWB                    |             | 4250                       |                           |                                 |                    |                      |
|                         | F-150  | 4×4<br>LWB                    | M-4<br>6.69 | 4500                       | 1                         |                                 | -                  |                      |
|                         | F-150  | 4X4<br>LWB                    |             | 4750                       |                           |                                 |                    |                      |
|                         | F-250  | 4x2<br>LWB                    |             | 4500                       |                           |                                 |                    |                      |
|                         | F-250  | 4×2<br>LWB                    |             | 4750                       |                           |                                 |                    |                      |
|                         | F-250  | 4x4<br>LWB                    |             | 4750                       |                           |                                 |                    |                      |
|                         | F-250  | 4×4<br>LWB                    |             | 5000                       |                           |                                 |                    |                      |
|                         | Bronco | Ì                             | 1           | 4750                       |                           |                                 |                    |                      |
|                         | F-250  | 4x4<br>LWB                    | C6-013      |                            |                           |                                 |                    |                      |
|                         | 1 .    |                               | •           | ₹ ,                        | •                         | T .                             | ·                  | •                    |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model are equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

Engine Family E4.9TGG

| Issue Date: MAY 3 1 1983 | 17-6 |  |
|--------------------------|------|--|

| Manu<br>Engi   | ufacturer _<br>ine Family<br>(Special F | Ford<br>EFM4 | Motor  | Company                   | y                         | Page Engin Code CID (Liter)- Type | - 6               |                      |
|----------------|---|--------------|--------|---------------------------|---------------------------|-----------------------------------|-------------------|----------------------|
| Engine<br>Code | Vehicle<br>(If Cod<br>attach            |              | Trans. | Equiv.<br>Test.<br>Weight | Ign. System ESAC Part No. | Fuel System  Carb. 1-1V  Part No. | EGR Valve         | labe<br>Iden<br>Part |
| 4-52R-R00B     | F-150                                   | 4×4<br>SWB   | C6-013 | 4250                      | E4EF-<br>12A650-UA        | E4TE-<br>9510-HA                  | E4TE-<br>9D448-CA | AFL                  |
|                | F-150                                   | 4x4<br>LWB   |        | 4500                      | 112050-02                 | 3310-114                          | 3D440-CR          |                      |
|                | F-150                                   | 4×4<br>LWB   |        | 4750                      |                           |                                   | •                 |                      |
|                | F-250                                   | 4×2<br>LWB   |        | 4500                      |                           |                                   |                   |                      |
|                | F-250                                   | 4x2<br>LWB   |        | 4750<br>-                 |                           |                                   | `                 |                      |
|                | F-250                                   | 4x4<br>LWB   |        | 4750                      |                           |                                   |                   |                      |
| Í              | Bronco                                  |              | •      | 4750                      |                           |                                   |                   |                      |
|                | F-250                                   | 4x4<br>LWB   |        | 5000                      |                           |                                   |                   |                      |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model an equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

Engine Family E4.9TGG

|             |                   | _                  |     |     |   |   |
|-------------|-------------------|--------------------|-----|-----|---|---|
|             | \$4894 O. 4 \$400 | 17_7               |     |     |   |   |
| Issue Date: | MAY 3 1 1983      | # / <del>-</del> / |     |     |   |   |
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|             |                   | j j                | 1 1 | l l | 1 | ł |

| • |                                       | 198 4 AIR RESOURCES BOAR  | D SUPPLEMENTAL DATA | E.O. (<br>SHEET | -10-262  |             |
|---|---------------------------------------|---------------------------|---------------------|-----------------|----------|-------------|
|   | Passenger Cars                        | x Light-Duty Trucks       | x Medium-Duty Vel   | icles           | x Gas    | _ Diesel    |
|   | Manufacturer                          | Ford Motor Company        |                     | Page            | 7        | <del></del> |
|   | Engine Family                         | EFM4.9T1HGG5              |                     | Engine Code     | <b>t</b> |             |
|   | ECS (Special Fea                      | tures) <u>AIF/EGR/EGS</u> | /TWC CID (I         | iter)-<br>Type  | 300 (4.  | 9) 1-6      |
|   | · · · · · · · · · · · · · · · · · · · |                           |                     |                 |          |             |

| Engine<br>Code  | Vehicle M<br>(If Coded<br>attachme | see | Trans.     | Equiv.<br>Test<br>Weight | Ign. System ESAC Part No. | Fuel System Carb, 1.14 Part No. | EGR Valve Part No. | labe<br>Iden<br>Part |
|---|------------------------------------|-----|------------|--------------------------|---------------------------|---------------------------------|--------------------|----------------------|
| 4-51S-R01B  | F-100/150                          | 4x2 | мз         | 3750                     | E4EF-                     | E4TE-                           | E4TE-              | AFL                  |
|   |                                    | SWB | 3.26       | 1                        | 12A650-NA                 | 9510-FA                         | 9D448-DA           |                      |
|   | 1                                  | LWB |            | 3875                     |                           |                                 |                    |                      |
|   | 1                                  | SWB |            | 4000                     |                           |                                 |                    |                      |
|   | 1                                  | LWB | 1          | 4250                     |                           |                                 |                    |                      |
|   |                                    | SWB | м4<br>3.25 | 3750                     |                           |                                 | •                  |                      |
| •   |                                    | LWB |            | 3875                     |                           |                                 |                    |                      |
|   |                                    | SWB | <b>!</b> . | 4000                     |                           |                                 |                    |                      |
|   |                                    | LWB |            | 4250                     |                           |                                 |                    |                      |
| a de la companya de |                                    | SWB | M4<br>6.32 | 3875                     |                           |                                 |                    |                      |
|   |                                    | LWB |            | 3875                     |                           |                                 |                    |                      |
|   |                                    | SWB | M4<br>6.69 | 3875                     |                           |                                 |                    |                      |
|   |                                    | LWB |            | 3875                     |                           |                                 |                    |                      |
|   |                                    |     |            |                          |                           |                                 |                    |                      |
|   |                                    |     |            |                          | ·                         |                                 |                    |                      |
|   |                                    |     | l          |                          |                           |                                 |                    |                      |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model a equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

Engine Family E4.9TGG

|                        |                     | E.O.       | <b>#A_</b> -10-262 |
|------------------------|---------------------|------------|--------------------|
| 198 4 ATR RESOURCES BE | MEEN CHOOLEMENTAL   | DATA PURET |                    |
| TOO THIN HESDONGES BY  | DAVE SOLLFELE HELLE | DAIN SHEET |                    |

| Engine Family <u>EFM4.9T1HGG5</u> ECS (Special Features) <u>AIP/EGR/EGS/TWC</u> Type 300 (4.9) I-  Engine Code (1f Coded see attachment)  Engine Code (1f Coded see attachment)  Equiv. Test. Equiv. Test. ESAC Carb. 1-17  Part No. Part No. F   | Manu       | senger Cars <u>x</u> l'<br>ufacturer <u>Ford</u> | Motor      | Сстрат                                       |       | Page Engir    | 8         |                      |
|---|------------|--|------------|--|-------|---------------|-----------|----------------------|
| Engine Code   Vehicle Models (1f Coded see attachment)   Trans.   Equiv. Test.   Weight   ESAC   Carb.   1-14   Part No.   Part No.   Part No.   Full System   EGR Valve   Carb.   1-14   Part No.   Part No.   Part No.   Full System   EGR Valve   Carb.   1-14   Part No.   Part No.   Part No.   Part No.   Full System   EGR Valve   Carb.   1-14   Part No.   Part   | Engi       | ine family <u>EPM4</u>                           | .9TIHG     | 35   |       | Code          |           |                      |
| Code (1f Coded see attachment)   Test   ESAC   Carb, 1-17   Part No.   Part No.   F    4-51S-RO2B   F-100/150 4x2   M3   3750   E4EF-   12A650-ACA   9510-FA   90448-EA    LWB   3875   SWB   4000   LWB   3875   SWB   4000   LWB   4250   SWB   6.32   LWB   3875   6.32   LWB   3875   SWB   M4   6.69   SWB | ECS        | (Special Features)                               | AIP.       | EGR/EG                                       | S/TWC |               | 300 (4.9) | I-6                  |
| SWB 3.26 12A650-ACA 9510-FA 9D448-EA  LWB 3875 SWB 4000 LWB 4250 SWB 3875 SWB 4000 LWB 4250 SWB 4000 LWB 4250 SWB 6.32 LWB 3875 6.32 LWB 3875 SWB M4 3875 SWB M4 3875 SWB M4 3875   |            | (If Coded see                                    | Trans.     | Test   |       | Carb,<br>1-14 |           | labe<br>Iden<br>Part |
| SWB M4 3875<br>1.WB 3875<br>SWB M4 3875<br>6.69   | 4-51S-RO2B | SWB LWB SWB LWB SWB SWB                          | 3.26<br>M4 | 3875<br>4000<br>4250<br>3750<br>3875<br>4000 |       | •             | 4         | AFL                  |
|   |            | SWB<br>LWB<br>SWB                                | 6.32<br>M4 | 3875<br>3875<br>3875                         |       |               |           |                      |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model ar equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

Engine Family E4.9TGG

Issue Date: MAY 3 1 1963 17-9

E.F. \_

\_EFM4,91HGG5

|  | " · · |                |      |                |       |          |
|--|-------|----------------|------|----------------|-------|----------|
|  | Non . | A/C            | A/   | c <i>E</i>     | 1.0.# | A-10-262 |
| Truckline                              |       | CDT            |      |                |       |          |
| Ranger $4x2 \frac{1}{}$                | 10.0  | 15.35          | 11.0 | 14.28          |       |          |
| $F-150 	 4x2 	 \frac{2}{}$             | 13.2  | 13.24          | 14.5 | 12.41          |       |          |
| $F-150 	ext{ } 4x2 	ext{ } \frac{3}{}$ | 14.0  | 14.18          | 15.4 | 13.20          |       | •        |
| F-250 4x2 4/                           |       |                |      | 12.04<br>13.30 |       |          |
| Ranger 4x4                             | 11.8  | 12.98          | 13.0 | 12.12          |       |          |
| Bronco 4x4                             |       | 12.51<br>15.42 |      |                |       |          |
| Bronco II                              | 11.0  | 14.24          | 12.1 | 13.26          |       |          |
| F-150 4x4                              |       | 12.23<br>14.19 |      |                |       |          |
| F-250 4x4                              |       |                |      | 11.90<br>13.18 |       |          |
| E-150 4x2                              | 15.2  | 15.38          | 16.6 | 14.35          |       |          |
| E-250 4x2                              | 18.0  | 13.71          | 19.4 | 13.05          |       |          |

## NOTES

For each truckline the DPA specified is applicable to all engine displacements and inertia weight classes unless otherwise specified.

1/ Ranger Regular Cab chassis to be certified as follows:

| Eng. D1p. | Max. F.A.  | DPA  |
|-----------|------------|------|
| 2.3L      | 25.2 sq ft | 14.5 |
| 2.8L      | 39.0 sq ft | 22.5 |

- 2/ RA = Radial tires and aero package (only on 4.9L P-150 RC models and 5.0L F-150 RC-SWB models with 1" x 50" spoiler).
- 3/ R = Radial tires/B = Bias tires. If not specified, DPA's represent both radial and bias tire applicability.
- 4/ F250 Regular Cab chassis to be certified at 20.0 HP non-A/C, maximum frontal area is 34.5 sq ft.

3d/120.1/D

| Issue Date | 12-1-82 | 8.13.01.00-2             |
|------------|---------|--------------------------|
| Revised    | 3-14-83 | 3-30-83 7-26-83 11-30-83 |

|        | Manu<br>Engi   | enger Cars  facturer  ine Family  (Special Fe | X Li<br>Ford<br>EFM4                          | ght-Duty<br>Motor<br>.9TlHGG | Trucks Company             | y                         | AL DATA SHEET  uty Vehicles  Page Engin Code  CID (Liter)- | 9                 | Diesel                |
|--------|----------------|---|---|------------------------------|----------------------------|---------------------------|--|-------------------|-----------------------|
|        | Engine<br>Code | Vehicle<br>(If Code<br>attachm                | d see   | Trans.                       | Equiv.<br>Test .<br>Weight | Ign. System ESAC Part No. | Fuel System<br>1-1V<br>Part No.                            | EGR Valve         | labe<br>Ident<br>Part |
| 4-52T- | ROOB           | E-100/150                                     | 4x2<br>SWB<br>LWB<br>SWB<br>LWB<br>4x2<br>LWB | A0X041                       |                            | E4EF-<br>12A650-XA        | E4TE-<br>9510-EA   | E3TE-<br>9D448-EA | AFL                   |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

071080

Engine Family E4.9TGG

Issue Date: 17-12

| Mani           | ufacturer                            | Ford      | Motor      | Compan                   |                     | uty Vehicles Page Engin Code | 10                | Diese |
|----------------|--------------------------------------|-----------|------------|--------------------------|---------------------|------------------------------|-------------------|-------|
|                | (Special Feat                        |           |            |                          | S/TWC               | CID (Liter)-                 | 300 (4.9)         | 1-6   |
| Engine<br>Code | Vehicle Mo<br>(If Coded<br>attachmer | see       | Trans.     | Equiv.<br>Test<br>Weight | Ign. System<br>ESAC | Fuel System<br>1-1V          | EGR Valve         | Labe  |
|                |                                      |           |            | HE 19115                 | Part No.            | Part No.                     | Part No.          | Pari  |
| 4-52T-ROOB     | E-100/150 4                          | x2<br>WB. | A0X041     | 4250                     | E4EF-<br>12A650-XA  | E4TE-<br>9510-EA             | E3TE-<br>9D448-EA | AFI   |
|                |                                      | WB        |            | 4250                     |                     |                              |                   |       |
|                |                                      | WB        |            | 4500                     |                     | <u> </u>                     |                   |       |
| 1              | Ī                                    | WB        |            | 4750                     |                     |                              | Lr                |       |
| <i>!</i> .     |                                      | WB<br>x2  |            | 5000<br>4750             | ·                   | _1-0°                        | <b>5</b> -        |       |
|                | 1                                    | WB        |            | 4/30                     |                     |                              | •                 |       |
|                | L                                    | WB        |            | 5000                     | _                   | 12'                          |                   |       |
|                |                                      | 1         |            |                          | سعن                 | (                            |                   |       |
|                |                                      |           |            | 1519                     |                     | . /                          | •                 |       |
|                |                                      | 4         | $\sim 1$   | 110                      | 1 . 18              | Ц                            | . "               |       |
|                |                                      | `         | <b>/</b> ! | 12                       | w   21/8            |                              |                   |       |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model ar equipment. If two test weights are listed, the lower weight will be used for testing.

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Engine Family E4.9TGG

| Issue Date: | MAY 3 1 1983 | 7 17-12 |
|-------------|--------------|---------|
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