E.O.

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16
Relating to Approval of New Motor Vehicles

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;

IT IS ORDERED AND RESOLVED: That Toyo Kogyo Company, Ltd, exhaust emission control systems for 1973-model year light-duty motor vehicles are approved for the engine families described below:

| Engine Family | Engine Size (cubic inches) | Emission Control System | Vehicle Models |
|---|---|---|---|
| Toyo-1 | 96.82 | EM, Canister and Container Tank | Mazda 808<br>SN3A(Sedan & Coupe)<br>SN3AV(Station Wagon)<br>Mazda B1600<br>BNA61(Pick-Up) |
| Toyo-2 | 109.60 | AIR, Canister and Container Tank | Mazda 618<br>SV2A(Sedan & Coupe)<br>Mazda B1800 or Courier<br>BVD61 (Pick-Up)<br>SGTA (Pick-Up) |
| Toyo-3 | 35.0 x 2 (Rotary) | AIR, TR, Canister, Container Tank and Crankcase Storage | Mazda RX-2<br>S122A(Sedan & Coupe)<br>Mazda RX-3<br>S124A(Sedan & Coupe)<br>S124W(Station Wagon)<br>Mazda RX-4<br>S125A(Sedan & Coupe) |

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Section 39152, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed to the side window which discloses the highest emissions from the certification fleet for that vehicle for which approval has been granted by the Board.

The following are the recommended values to be listed on the decal:

| Engine Family | Hydrocarbons gms/mi | Carbon Monoxide gms/mi | Nitrogen Oxides gms/mi |
|---|---|---|---|
| Toyo-1 | 2.8 | 26 | 2.1 |
| Toyo-2 | 2.5 | 31 | 2.1 |
| Toyo-3 | 2.4 | 20 | 1.1 |

These values are in effect until January 30, 1973. After this date, the exhaust emissions for each vehicle determined by factory assembly-line tests in accordance with the "Assembly-Line Test Procedure for 1973 and Subsequent Model Light-Duty Vehicles" must be shown on a decal.

Section 3 of the above procedure requires you to submit, before the start of a model-year, a list of the items to be functionally checked and the procedure, including instrumentation, for performing these checks.

In accordance with Section III E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, you are required to inform the ARB of any production changes which will affect emissions.

Supplemental information sheets are attached to this letter which include tune-up specifications and emission control system data.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair of the Department of Consumer Affairs will be notified of this approval by copy of this order and attachment.

Executed at Sacramento, California, this 21st day of August 1972.

JOHN A. MAGA
Executive Officer

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model-Year
Light Duty Vehicles

MANUFACTURER: TOYO KOGYO CO. LTD..

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| Vehicle Model | Engine C.I.D. | Carburetor No. of Venturi | Trans-mission | Engine Family | Inertia Weight | Tune-up Specifications | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Idle RPM | Basic Timing | Idle CO or AFR |
| Mazda 808 | | | | | | | | |
| Sedan | 96.82 | 2 Bbl | M4 | Toyo-1 | 2250 | 800-850 (Neut) | 5° BTDC | 1.5 to 2.5% CO |
| " | " | " " | A3 | " | " | " | 0° BTDC | " " " " |
| Coupe | " | " " | M4 | " | " | " | 5° BTDC | " " " " |
| " | " | " " | A3 | " | " | " | 0° BTDC | " " " " |
| Station Wagon | " | " " | M4 | " | 2500 | " | 5° BTDC | " " " " |
| " " | " | " " | A3 | " | " | " | 4° BTDC | " " " " |
| Mazda B1600 | | | | | | | | |
| Pick-Up | 96.82 | 2 Bbl | M4 | Toyo-1 | 2750 | 800-850 (Neut) | 5° BTDC | 1.5 to 2.5% CO |
| Mazda 618 | | | | | | | | |
| Sedan | 109.6 | 2 Bbl | M4 | Toyo-2 | 2500 | 700-750 (Neut) | 5° BTDC | 0.8 to 1.5% CO |
| " | " | " " | A3 | " | " | " | 3° BTDC | " " " " |
| Coupe | " | " " | M4 | " | " | " | 5° BTDC | " " " " |
| " | " | " " | A3 | " | " | " | 3° BTDC | " " " " |
| Mazda B1800 | | | | | | | | |
| Pick-Up | 109.6 | 2 Bbl | M4 | Toyo-2 | 2750 | 700-750 (Neut) | 3° BTDC | 0.8 to 1.5% CO |
| Courier | | | | | | | | |
| Pick-Up | 109.6 | 2 Bbl | M4 | Toyo-2 | 2750 | 700-750 (Neut) | 3° BTDC | 0.8 to 1.5% CO |

See other side for additional information.

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model-Year
Light Duty Vehicles

MANUFACTURER: TOYO KOGYO COMPANY, LTD.

| Model | Engine C.I.D. | Carburetor No.of Venturi | Trans-mission | Distributor Make & No. | Type Adv.* | Carburetor Make & No. | Emission Control System ** Exhaust | NOx | Evap. | Other |
|---|---|---|---|---|---|---|---|---|---|---|
| Mazda 808 | | | | Mitsubishi | | Nippon Carburetor | | | | |
| Sedan | 96.82 | 2 Bbl | M4 | T3T02976 | C-V | 215282-47,-51 | EM | | CT-CN | DBD |
| " | " | " | A3 | TVK-4TR | " | 215282-48,-52 | " | | " " | " |
| Coupe | " | " | M4 | T3T02976 | " | 215282-47,-51 | " | | " " | " |
| " | " | " | A3 | TVK-4TR | " | 215282-48,-52 | " | | " " | " |
| StationWagon | " | " | M4 | T3T02976 | " | 215282-47,-51 | " | | " " | " |
| " | " | " | A3 | T3T00776 | " | 215282-48,-52 | " | | " " | " |
| Mazda B1600 | | | | | | | | | | |
| Pick-Up | 96.82 | 2 Bbl | M4 | T3T02976 | C-V | 215282-47,-51 | EM | | CT-CN | DBD |
| Mazda 618 | 109.60 | 2 Bbl | | | | Hitachi | | | | |
| Sedan | 109.60 | 2 Bbl | M4 | T3T02977 | C-V | DCM328 (for Manual Choke) | AIR | | CT-CN | CRC |
| " | " | " | A3 | T3T02978 | C-V | DCJ Automatic Choke) | " | | " " | " |
| Coupe | " | " | M4 | T3T02977 | " | | " | | " " | " |
| " | " | " | A3 | T3T02978 | " | | " | | " " | " |
| Mazda B1800 | | | | | | | | | | |
| Pick-Up | 109.60 | 2 Bbl | M4 | T3T03171 | C-V | | AIR | | CT-CN | CRC |
| Courier | | | | | | | | | | |
| Pick-Up | 109.60 | 2 Bbl | M4 | T3T03171 | C-V | | AIR | | CT-CN | CRC |

** CT - Condenser Tank
CN - Canister
DBD - Dual Breaker Point Distributor
CRC - Coasting Richer Control System

*** Numbers - 47, -48 Apply to Manual Choke
Numbers - 51, -52 Apply to Automatic Choke

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model-Year
Light Duty Vehicles

MANUFACTURER: TOYO KOGYO CO. LTD.

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| Vehicle Model | Engine C.I.D. | Carburetor No. of Venturi | Trans-mission | Engine Family | Inertia Weight | Tune-up Specifications | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Idle RPM | Basic Timing ** | Idle CO or AFR |
| Mazda RX-2 | | | | | | | | |
| Sedan | 35x2 | 4 Bbl | M4 | Toyo-3 | 2750 | 900 (Neut) | T10° ATDC | 3% CO (Max) |
| " | " | " " | A3 | " " | " | 750 (Drive) | L 0° BTDC | " " " |
| Coupe | " | " " | M4 | " " | " | 900 (Neut) | | " " " |
| " | " | " " | A3 | " " | " | 750 (Drive) | | " " " |
| Mazda RX-3 | | | | | | | | |
| Sedan | 35x2 | 4 Bbl | M4 | Toyo-3 | 2500 | 900 (Neut) | | " " " |
| " | " | " " | A3 | " " | " | 750 (Drive) | | " " " |
| Coupe | " | " " | M4 | " " | " | 900 (Neut) | | " " " |
| " | " | " " | M5 | " " | " | 900 (Neut) | | " " " |
| " | " | " " | A3 | " " | " | 750 (Drive) | | " " " |
| Station Wagon | " | " " | M4 | " " | " | 900 (Neut) | | " " " |
| " " | " | " " | A3 | " " | " | 750 (Drive) | | " " " |
| Mazda RX-4 | | | | | | | | |
| Sedan | 35x2 | 4 Bbl | M4 | Toyo-3 | 2750 | 900 (Neut) | | 3% CO (Max) |
| " | " | " " | A3 | " " | " | 750 (Drive) | | " " " |
| Coupe | " | " " | M4 | " " | " | 900 (Neut) | | " " " |
| " | " | " " | A3 | " " | " | 750 (Drive) | | " " " |

** T - Trailing Spark Plug
L - Leading Spark Plug

See other side for additional information.

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model-Year
Light Duty Vehicles

MANUFACTURER: TOYO KOGYO CO. LTD.

| Model | Engine C.I.D. | Carburetor No.of Venturi | Trans-mission | Distributor Make & No. | Type Adv.* | Carburetor Make & No. | Emission Control System | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Exhaust | NOx | Evap. | Other |
| Mazda RX-2 | | | | Mitsubishi | | Nippon Carb. | | | | |
| Sedan | 35x2 | 4 Bbl | M4 | all | | 210284-88,-90 | AI, TR | | CT,CN,CS | |
| " | " | " " | A3 | For Manual | | 210284-89 | " " | | " " " | |
| Coupe | " | " " | M4 | Transmissions | | 210284-88,-90 | " " | | " " " | |
| " | " | " " | A3 | | | 210284-89 | " " | | " " " | |
| | | | | T T3T13373 | | | | | | |
| | | | | L T3T13272 | | | | | | |
| Mazda RX-3 | | | | | | | | | | |
| Sedan | 35x2 | 4 Bbl | M4 | all | | 210284-88,-90 | AI, TR | | CT,CN,CS | |
| " | " | " " | A3 | For Automatic | | 210284-89 | " " | | " " " | |
| Coupe | " | " " | M4 | Transmissions | | 210284-88,-90 | " " | | " " " | |
| " | " | " " | M5 | T T3T10785 | | 210284-88,-90 | " " | | " " " | |
| " | " | " " | A3 | L T3T13272 | | 210284-89 | " " | | " " " | |
| StationWagon | " | " " | M4 | | | 210284-88,-90 | " " | | " " " | |
| " " | " | " " | A3 | | | 210284-89 | " " | | " " " | |
| Mazda RX-4 | | | | | | | | | | |
| Sedan | 35x2 | 4 Bbl | M4 | | | 210284-88,-90 | AI, TR | | CT,CN,CS | |
| " | " | " " | A3 | | | 210284-89 | " " | | " " " | |
| Coupe | " | " " | M4 | | | 210284-88,-90 | " " | | " " " | |
| " | " | " " | A3 | | | 210284-89 | " " | | " " " | |

** T - Trailing Spark Plug
L - Leading Spark Plug

TR - Thermal Reactor
CS - Crankcase Storage

* C - Centrifugal
V - Vacuum
VR - Vacuum retard