

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-27-18
Relating to Certification of New Motor Vehicle Engines

MACK TRUCKS, INC.

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 Mack Trucks, Inc. 1978 model-year diesel-powered engines in heavy-duty motor vehicles with manufacturer's gross vehicle weight rating greater than 8500 pounds are certified for the engine family, codes and models described below:

<u>Family</u>	<u>Engine Size (CID)</u>	<u>Type</u>
9	672	Inline six-turbocharged- aftercooled

Models and Engine Codes as listed in attachment.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<u>Engine Family</u>	<u>HC + NOx gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NOx gm/bhp-hr</u>
9	Not applicable	2	0.8	6.0

Engines 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 26 day of August, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer MACK TRUCKS, INC. Executive Order No. A-27-18 Page 1Engine Family 9 Engine (CID) 672Emission Control Systems _____ Type Inline six-turbocharged-aftercooled

Engine Model	Fuel Injection Pump Mfgr. Part Number	Injector Mfg. Part Number Nozzle Part#	Maximum Rated HP and RPM	Fuel Rate * at Maximum HP	Basic Initial Timing
Thermodyne ETAY (B) 673A	Bosch 313GCA- 5129-P2 or 313GCA- 5126-P18	Robert Bosch 114GC314-P1 114GC222-P2 (Opt.) American Bosch 114GC39-P1	315 @ 1900 RPM	193.4	21° BTDC @ static RPM
Maxidyne ETAY(B)676	Bosch 313GCA- 5129-P4 or 313GCA- 5126-P14	American Bosch 114GC39-P1 (Opt.) Robert Bosch 114GC314-P1 or 114GC222- P2	283 @ 2100 RPM	173.7	
Maxidyne ETAY(B) 676D	Bosch 313GCA- 5126A-P24	American Bosch 114GC39-P1 (Opt.) Robert Bosch 114GC314-P1	285 @ 1800 RPM	181.5	

Comments

*Cubic millimeters per stroke

Date of Issue

Engine Model ETAY(B) 676D added per running change No. 1978-9-2.
Robert Bosch injector part No. change for Models ETAY(B)673A and
ETAY(B)676 approved per running change No. 1978-9-1

Abbreviations

Type

NA - Natural Aspiration

TC - Turbocharged

TCA- Turbocharged and Aftercooled

Emission Control Systems

AC - Aftercooler

EGR - Exhaust Gas Recirculation

TD - Throttle Delay