State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-44-4
Relating to Certification of New Motor Vehicles

AVANTI MOTOR CORPORATION

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 Avanti Motor Corporation exhaust emission control systems for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: GM810L4
Displacement: 350
Exhaust Emission Control Systems: Exhaust Gas Recirculation
Early Fuel Evaporation
Oxidation Catalyst

Models, Transmissions and Engine Codes as listed in attachment.

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 Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| GM810L4 | 0.40 | 2.4 | 1.2 |

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" (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-44 series.

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 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 3 day of August, 1978.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

# 1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium Duty Vehicles

Manufacturer AVANTI MOTOR CORPORATION Executive Order No. A-44-4 Page 1

Engine Family 810L4 Engine (CID) 350 Engine Code 2

Emission Control System EGR, EFE, OC +10%(A/C) Yes ☒ No ☐

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class | Distributor Type HEI C,V Mfgr. Part Number | Fuel System Type 4V Mfgr. Part Number | EGR System Part No. Service | Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
|---|---|---|---|---|---|---|---|
| 2 | Avanti II | A-3 | 4000 | DelcoRemy 1103353 | Rochester/ Carter 17058204 | 7030806 No Service | See Label DT, below. |

**DT**
350 CU IN
810L4
9BFV

VEHICLE EMISSION CONTROL LABEL
AVANTI MOTOR CORPORATION

**CATALYST**
EGR-EFE
LOW ALTITUDE CERTIFICATION

| | TRANSMISSION AUTOMATIC |
|---|---|
| TIMING (° BTC @ RPM) | 2 @ 600 |
| SPARK PLUG GAP (IN.) | 0.045 |
| SOLENOID ASM ADJUSTMENT WITH AIR COND (RPM) | 600(DR) |
| CURB IDLE SPEED (RPM) | 600(DR) |
| FAST IDLE SPEED (RPM) | 1600 P/N |

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR SET IGNITION TIMING AT SPECIFIED ENGINE SPEED UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED
3. ON AUTOMATICS WITH AIR CONDITIONING DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR WITH AIR CONDITIONING SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM RECONNECT COMPRESSOR LEAD TURN AIR CONDITIONING SWITCH OFF
4. WITH TRANSMISSION IN PARK OR NEUTRAL, ADJUST FAST IDLE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER

NOTE IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAPS — ADJUSTMENT DURING TUNE UP IS NOT RECOMMENDED

FOR MAJOR REPAIR ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND OR CALIFORNIA OR OTHER STATE LAWS

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION

PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 472888

EGR = Exhaust Gas Recirculation
EFE = Early Fuel Evaporation
OC = Oxidation Catalyst
HEI = High Energy Ignition System
C = Centrifugal advance
V = Vacuum advance

Comments: All models have special road load HP settings. Setting is 8.5 HP.

Date of Issue 080378 Revisions: