Copy

State of California
Air Resources Board

EXECUTIVE ORDER A-6-94
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

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 General Motors Corporation exhaust emission control systems for 1977 model-year light-duty trucks are certified for the engine family described below:

Engine Family: 712J4
Engine: 350 CID
Transmission: 3-speed manual and 3-speed automatic
Exhaust Emissions Control Systems: Catalyst Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst, Early Fuel Evaporation.

Models: Chevrolet	Wheelbase
Fleetside	117.5"
Stepside	117.5"
Fleetside	131.5"
Stepside	131.5"
Sport Van	110"
Sport Van	125"
Beauville Sport Van	125"
Chevy Van	110"
Chevy Van	125"
GMC	
Wideside	117.5"
Fenderside	117.5"
Wideside	131.5"
Fenderside	131.5"
Rally Wagon	110"
Rally Wagon	125"
Rally STX	125"
Van Dura	110"
Van Dura	125"

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
712J4	0.9	10	1.6

BE IT FURTHER RESOLVED: That this certification is contingent upon General Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon General Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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 17 day of August, 1976.

G. C. Hass

G. C. Hass, Chief
Division of Vehicle Emissions Control

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer General Motors Corporation Executive Order No. A-6-94 Page 1

Engine Family 712J4 Engine (CID) 350 Engine Code 1

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-4V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CC10703+E63 TC10703+E63 CC10703+E62 TC10703+E62 CC10903+E63 TC10903+E63 CC10903+E62 TC10903+E62	M-3	4500	Delco Remy 1103254	RPD/Carter 17057503	7044090 No Service	See Tune-Up label No. CN
CG11006 TG11006 CG11005 [illegible]11005 CG11305 TG11305	M-3	4500	Delco Remy 1103254	RPD/Carter 17057519	7044090 No Service	

Comments

Date of Issue 08/18/76

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
H[illegible]-High Energy Ignition
E[illegible]lectronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

*Service
I-Inspect, repair/replace as needed
R-Replace

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer General Motors Corporation Executive Order No. A-6-94 Page 2

Engine Family 712J4 Engine (CID) 350 Engine Code

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-4V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CC10703+E63 TC10703+E63 CC10703+E62 TC10703+E62 CC10903+E63 TC10903+E63 CC10903+E62 TC10903+E62	A-3	4500	Delco Remy 1103254	RPD/Carter 17057502	7046154 No Service	See Tune-Up label No. CN
CG11005 TG11005	A-3	4500	Delco Remy 1103254	RPD/Carter 17057518	7046154 No Service	

Comments

Date of Issue 08/18/76

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
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1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer General Motors Corporation Executive Order No. A-6-94 Page 3

Engine Family 712J4 Engine (CID) 350 Engine Code

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-4V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CG11305 TG11305 CG11006 TG11006	A-3	4500	Delco Remy 1103254	RPD/Carter 17057518	7046154 No Service	See Tune-Up label No. CN
CG11306+E94 TG11306+E94 CG11306 TG11306	A-3	5000	Delco Remy 1103254	RPD/Carter 17057518	7046154 No Service	

Comments

Date of Issue

08/18/76

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
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1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer ~~General Motors Corp.~~ Executive Order No. A-6-94 Page 4

Engine Family 712J4 Engine (CID) 350 Engine Code

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-4V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CC10703+E63 TC10703+E63 CC10703+E62 TC10703+E62 CC10903+E63 TC10903+E63 CC10903+E62 TC10903+E62	A-3	4500	Delco Remy 1103254	RPD/Carter 17057504	7046154 No Service	See Tune-Up label No. CN
CG11005 TG11005 CG11305 TG11305 CG11006 TG11006	A-3	4500	Delco Remy 1103254	RPD/Carter 17057522	7046154 No Service	

Comments

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Abbreviations

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[illegible]-High Energy Ignition
[illegible]-Electronic Ignition

Fuel System
[illegible]FI, FI
[illegible]V-nVenturi Carburetor
Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection
OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
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1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer General Motors Corp. Executive Order No. A-6-94 Page 5

Engine Family 712J4 Engine (CID) 350 Engine Code

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

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-4V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CG11306 TG11306 CC11306+E94 TG11306+E94	A-3	5000	Delco Remy 1103254	RPD/Carter 17057522	7046154 No Service	See Tune-Up label No. CN

Comments

Date of Issue

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Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
'-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

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R-Replace

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Engine Family 712J4

CN
350 CU. IN.
4 BBL. CARB.
712J4

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

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

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED RPM. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
2. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED.
3. ON AUTOMATICS WITH AIR COND.: DISCONNECT ELECTRICAL LEAD FROM AIR COND. COMPRESSOR. WITH AIR COND. SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR COND. SWITCH OFF.
4. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE. 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.

CATALYST
AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION	
	AUTOMATIC	MANUAL
TIMING (° BTC @ RPM)	6° @ 500	6° @ 700
SPARK PLUG GAP (IN.)	0.045	0.045
CURB IDLE SPEED (RPM)	500 (DR)	700 (N)
FAST IDLE SPEED (RPM)	1600 (P) OR (N)	1300 (N)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	650 (DR)	——

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. E.P.A., AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 460114

LABEL LOCATIONS:

C Truck - Left hand radiator support sheet metal.

G Truck - Right hand radiator support sheet metal.

SUPPLEMENTAL INFORMATION

Model Codes - Engine Family 712J4

Chevrolet Model Code	Chevrolet Model Name	
CC10703 + E63	Fleetside Pickup	(117.5" W.B.)
CC10703 + E62	Stepside Pickup	(117.5" W.B.)
CC10903 + E63	Fleetside Pickup	(131.5" W.B.)
CC10903 + E62	Stepside Pickup	(131.5" W.B.)
CG11006	Sport Van	(110" W.B.)
CG11306	Sport Van	(125" W.B.)
CG11306 + E94	Beauville Sport Van	(125" W.B.)
CG11005	Chevy Van	(110" W.B.)
CG11305	Chevy Van	(125" W.B.)

GMC Model Code	GMC Model Name	
TC10703 + E63	Wideside Pickup	(117.5" W.B.)
TC10703 + E62	Fenderside Pickup	(117.5" W.B.)
TC10903 + E63	Wideside Pickup	(131.5" W.B.)
TC10903 + E62	Fenderside Pickup	(131.5" W.B.)
TG11006	Rally Wagon	(110" W.B.)
TG11306	Rally Wagon	(125" W.B.)
TG11306 + E94	Rally STX	(125" W.B.)
TG11005	Van Dura	(110" W.B.)
TG11305	Van Dura	(125" W.B.)