State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-214-4 Relating to Certification of New Motor Vehicles

ECONOMY TRUCK MANUFACTURING

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 Economy Truck Manufacturing exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered light duty trucks.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)		
TL20C (Nissan)	119			

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

Engine Family	Inertia Weight Class	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
TL20C	0-3999	0.23	3.4	1.4

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".

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 Economy Truck Manufacturing has provided to the Executive Officer 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 24th day of October, 1979.

L. D. Druchand Rugfun K. D. Drachand, Acting Chief Mobile Source Control Division

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Manufacturer _	Economy Truck Mfg.	Executive Order No. A-214-4	Page 1	
Engine Family	TL20C	Engine (CID) 119		
ABBREVIATIONS				
Ignition System CA-Centrifugal Advance EEC-Electronic Engine Control EI-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard Fuel System EFI, MFI nV-nVenturi Carburetor VV-Variable Venturi		Exhaust Emissions Control System AI-Air Injection CL-Closed Loop EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst PAI-Pulse Air Injection TR-Thermal Reactor TWC-Three Way Catalyst	Special Features CCAV-Combustion Chamber Air Valve EFI-Electronic Fuel Injection MFI-Mechanical Fuel Injection TC-Turbo Charged	

Heavy Duty Mini Service Truck Deluxe Tag Axle Service Truck

<u>Model</u>

Engine Code

ATL20CM2 TL20CM2

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☐ Passe	nger Cars	🛚 Light	-Duty Ti	rucks	☐ Medium-Dut	y Vehicles 🗌	Gas 🗆 🛭	iesel
Manuf	acturer	Economy Tr	uck Manu	ufacturing			Page 2 Engine	···
Engin	e Family	TL 20C			CID-Type	19-14	_Code	
ECS (Special Fea	atures)	AI, EGR	, 0C	+	10% (A/C)	YesN	lo <u>X</u>
Engine Code	(If Co	le Models oded see chment)	Trans.	Test Weight Class	Ign. System CA, VA, EI	Fuel System 2V	EGR Valve	Label Ident
				(Inertia)	Part No.	Part No.	Part No.	
_20CM2 FL20CM2			M4	(3500) 3750	HITACHI D4K8-10	HITACHI DCH340-115		See Page 3
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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, equipment and inertia weight class.

Date of	Issue ·
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VEHICLE EMISSION CONTROL INFORMATION

THIS VEHICLE CONFORMS TO U.S. EPA REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES PROVIDED THAT THIS VEHICLE IS ONLY INTRODUCED INTO COMMERCE FOR SALE IN THE STATE OF CALIFORNIA, WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 3,450 POUNDS AND A MAXIMUM FRONTAL AREA OF 38.5 SQUARE FEET. THIS VEHICLE IS CERTIFIED AS HAVING DEMONSTRATED CONFORMANCE WITH FEDERAL AND CALIFORNIA EMISSION STANDARDS ONLY AT ELEVATIONS EQUAL TO OR LOWER THAN 1,219 METERS (4,000FEET).

- · ENGINE FAMILY: TL20C
- ENGINE DISPLACEMENT: 119.1 C.I.D.
- · EVAPORATIVE FAMILY: EVP-CARS-IA
- · EXHAUST EMISSION CONTROL TYPE: AIS+EGR+OX.CAT
- · EVAPORATIVE EMISSION CONTROL TYPE: CARBON CANISTER
- ENGINE TUNE UP SPECIFICATIONS AND ADJUSTMENT
 - *AT NORMAL OPERATING TEMPERATURE
 - *LIGHTS AND AIR CONDITIONER OFF
 - *IGNITION TIMING IS CHECKED WITH VACUUM LINE REMOVED. AFTER THAT, CONNECT VACUUM LINE, TUNE UP ENGINE.

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TIMING MARK

TRANSMISSION	MANUAL		
IDLE SPEED	600R.P.M.(N)		
IGNITION TIMING	10° B.T.D.C.		
IDLE MIXTURE SETTING	CO 1.0 ± 0.7 % WITHOUT AIR INJECTION		
VALVE LASH	INTAKE : .25 MM (.010 IN) -HOT EXHAUST: .30 MM (.012 IN) -HOT		