State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-2
Relating to Approval of New Motor Vehicles

FORD MOTOR COMPANY

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 Ford Motor Company exhaust emission control systems for 1973-model year light-duty motor vehicles are approved for the engine families described below:

Engine Family 2.0 Liter with Engine Modification

Engine Size - 122 CID

Pinto Models: Sedan, Runabout and Station Wagon

Engine Family 2.6 Liter with Engine Modification

Engine Size - 154 CID with manual transmission

Capri Models: Sport Coupe

Engine Family 240 with Exhaust Gas Recirculation

Engine Size - 240 CID with manual transmission

Models: E-100 Vans and Club Wagons
F-100 4 x 2 Styleside and Chassis/Cab Custom, Ranger, Ranger XLT and Flareside Custom
E-200 Vans

Engine Family 250 with Exhaust Gas Recirculation

Engine Size - 250 CID with automatic transmission

Models: Mustang - Hardtop, Grande', Sports roof and convertible
Maverick - Sedans and Grabber
Comet - Sedans and "GT"

Engine Family 302 with Exhaust Gas Recirculation

Engine Size - 302 CID

Models: Maverick - Sedans and Grabber (automatic transmission)
Comet - Sedans and "GT" (automatic transmisssion)
Torino - Torino, Gran Torino, Gran Torino Sport, Ranchero, Ranchero Squire and Ranchero "GT"
Montego - 2 door Hardtop and Fastback and 4 door Pillered Hardtop (except 4 door pillered Hardtop MX, Brougham and Station Wagon)
Mustang - Hardtop, Grande', Sports roof, Mach I and Convertible
Econoline - E-100 Vans and 5 passenger Club Wagons (short wheel base)
E-200 Vans
F-100 4 x 2 Styleside and Chassis/Cab Custom, Ranger, Ranger XLT and Flareside Custom

Engine Family 351C with Exhaust Gas Recirculation

Engine Size - 351-2V CID with automatic transmission

Models: Ford - Custom, Galaxy 500, LTD and LTD Brougham
Torino - Torino, Gran Torino, Gran Torino Sport
Montego - Montego, MX, MX Brougham and "GT"
Mustang - Hardtop, Grande', Sport roof, Mach I and Convertible
Cougar - Hardtop, XR-7 Hardtop, Convertible and XR-7 Convertible

Engine Family 400 with Exhaust Gas Recirculation

Engine Size - 400 CID with automatic transmission

Models: Ford - Custom, Galaxy 500, LTD, LTD Brougham, Ranch Wagon, Country Sedan and Squire
Mercury - Monterey, Monterey Custom, Monterey Wagon, Marquis Wagon and Colony Park
Torino - Torino, Gran Torino, Gran Torino Sport, Torino Wagon, Gran Torino Wagon, Gran Torino Squire, Ranchero, Ranchero Squire and Ranchero "GT"
Montego - Montego, MX, MX Brougham, "GT", MX Wagon and Villager

Engine Family 429-460 with Exhaust Gas Recirculation

Engine Size - 429 CID with automatic transmission

Models: Ford - Custom, Galaxy 500, LTD and LTD Brougham
Mercury - Monterey, Monterey Custom, Marquis and Marquis Brougham
Thunderbird - 2 door Hardtop
Torino - Torino, Gran Torino, Gran Torino Sport, Torino Wagon, Gran Torino Wagon, Gran Torino Squire, Ranchero and Ranchero Squire
Montego - Montego, MX, MX Brougham, "GT" and Station Wagon

Engine Size - 460 CID with automatic transmission

Models: Mercury - Monterey, Monterey Custom, Marquis, Marquis Brougham, Monterey Wagon, Marquis Wagon and Colony Park
Lincoln - 2 door Coupe, 2 door Town Car, 4 door Town Car, 4 door Pillared Hardtop
Mark IV - 2 door Hardtop
Thunderbird - 2 door Hardtop
Ford - Custom, Galaxy 500, LTD, LTD Brougham Country Sedan, Ranch Wagon and Squire

Section 39152, Part 1, 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 Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
2.0 L (Pinto)	2.2	37	2.8
2.6 L	2.5	33	2.8
240	1.5	24	2.5
250	1.9	32	1.9
302	2.2	31	2.5
351-C	2.6	38	2.6
400	2.5	26	3.0
429-460	3.0	32	2.4

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.

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In accordance with Section II E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, the manufacturer is required to inform the Air Resources Board of any production changes which will affect emissions.

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

This Executive Order shall not be construed as acceptance of all or any part of the Company's assembly-line testing program.

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 22nd day of September, 1972.

JOHN A. MAGA
Executive Officer

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

MANUFACTURER: FORD MOTOR COMPANY

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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
Pinto 2 door Sedan	2.0L (121.7)	1-1V	Man.	2.0L	2500	750N*	6° BTDC at 750 RPM in N	1.5%
3 door Runabout 2 door Wagon					2750			
2 door Sedan 3 door Runabout 2 door Wagon			Auto			650D*	9° BTDC at 650 RPM in N	
							6° BTDC at 650 RPM in N	

* If equipped with Air Conditioning
Check with A/C & Headlights on.

REVISED 11-3-72

See other side for additional information.

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1973 Model-Year
Light Duty Vehicles

MANUFACTURER: FORD MOTOR COMPANY

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12100- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
Pinto	2.0L (121.7)	1-1V	Auto	73HF - GA	C&V	D32F-DA D32F-CA	EM	-	Canister	SDV
			Man.	73HF - AA		D32F-BD				SDV FDV

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

SDV = Spark Delay Valve
FDV = Fuel Decel Valve

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Light Duty Vehicles

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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
Capri	2.6L (154)	1-2V	Man.	2.6L	2750	750 N	12° BTC @ 750 N	0.8 - 1.2%

See other side for additional information.

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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
Capri	2.6L (154)	1-2V	Man.-4	BOSCH 73TF-AA	C,V & VR	HOLLEY 73TF-AA	EM	-	Canister	FDV

Man = Manual Transmission
Auto = Automatic Transmission
* C - Centrifugal
V - Vacuum
VR - Vacuum retard

FDV = Fuel Decel Valve

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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
F-100 4 x 2	240	1-1V	Man.	240	4000	850*(1) 500#(1)	6° BTDC at 600 RPM #	0.5% Max
E 100								
E 200 Van								

* = Solenoid connected
\# = Solenoid disconnected
(1)= Idle speed setting procedure with headlights on.

See other side for additional information.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12127- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
F-100	240	1-1V	Man.	D3UF-BA D3UF-MA (1)	C,V & VR	Carter D3TF-JA D3TF-TA (1)	EM	EGR	Canister	TCS SDV EGRL TSP
E-100 E-200						D3UF-HA				

(1) = No SDV
TCS = Transmission control spark advance
SDV = Spark Advance delay valve with bypass at low ambient temperatures.
EGRL = EGR Vacuum control valve deactivated by thermal sensor at low coolant termperatures
TSP = Throttle solenoid positioner

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

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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
Maverick & Comet 2 door	250	1-1V	A-3	250	3000	600* Dr.(1) 500#Dr.	6° BTC @ 600 RPM in N#	0.5% Max.
Mustang *, Maverick & Comet 4 door, Grabber					3500			

* except Mach I

* = Solenoid connected
\# = Solenoid disconnected
(1)= If vehicle is equipped with air conditioning, check setting with headlights on.

See other side for additional information.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12127- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
Mustang, Maverick & Comet	250	1-1V	Auto.	D30F-LA	C + V + VR	Carter D30F-CA	EM	EGR	Canister	SDV EGRL TSP

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

SDV = Spark Advance delay valve with low ambient temperature bypass
EGRL = EGR With Low coolant temperature lockout
TSP = Throttle solenoid positioner

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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 (2)	Basic Timing	Idle CO or AFR
Bronco (1) (3.50 axle)	302	1-2V	M-3	302	4000	1000*N 500 & 550 #N	3° BTDC @ 550#N	.5% Max.
F-100 (4 x 2) (3.25 axle)			M-3 M-4			900*N 550#N	6° BTC @ 500#N	
E100, E200 Vans E-100 c.w-SWB (3.25 Axle)			M-3			1000*N 550#N	3° BTDC @ 550#N	
Maverick, Comet, Mustang					3500	800 & 850 *N 850*N 500#N	8° BTDC @ 500#N 6° BTDC @ 500#N	
Torino, Montego					4000	850*N 500#N	8°BTDC @ 500#N	
F100 (4 x 2) E100, E200 Vans E-100 c.w-SWB (3.25 axle)			Auto.			650*D 500#N	6° BTDC @ 500#N	
Maverick, Comet Mustang					3500			
Torino, Montego			Auto (FMX, C4)		4000		3° BTDC @ 500#N 6° BTDC @ 500#N	

* = Solenoid connected
\# = Solenoid Disconnected
(1)= Bronco is exempt from California emission requirements, but are subject to Federal Emission regulations.
(2)= Idle speed setting checked with headlights on.

REVISED 11-2-72

See other side for additional information.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12127- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System: Exhaust	NOx	Evap.	Other
Bronco (3.50 axle)	302	1-2V	M-3	D3BF - DA	C, V & VR	D3BF - EA	EM	EGR*	Canister	SDV TSP FDV
F-100 (4 x 2) (3.25 axle)			M-3 M-4			D3TF - BE				
E-100, E200 Vans E-100 C. W.-SWB (3.25 axle)			M-3	D3BF - BA		D3UF - AD				With & w/o SDV TSP, FDV
Maverick/Comet Mustang Torino/Montego				D30F - DA		D3GF - BB D3DF-EA				TSP SDV
F-100 (4 x 2) (3.25 Axle)			Auto	D3UF - GA	C, V	D3TF - NA				SDV TSP
E100, E200 Van E100 c.w-SWB (3.25 Axle)						D3UF - CD				
Torino/Montego			Auto (FMX, C4)	D3BF - BA D30F-HB		D3GF - AF D30F-EA				With & w/o SDV (w/o Temp control) TSP
Maverick, Comet Mustang			Auto.	D30F - HB		D30F - EA				TSP

SDV = Spark advance delay valve deactivated by temperature sensors at low ambient temperatures
FDV = Fuel deceleration valve
TSP = Throttle solenoid positioner
*EGR = Valve in operative at lower coolant temperatures

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

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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
Mustang Gougar	351	1-2V	Auto. (all types)	351C	4000	625D	6° BTDC @ 625 RPM in N	0.5% Max.
Torino, Montego			Auto. (C-6, C-4)		4500 5000 (Sta-Wag)	625D	10° BTDC @ 625 RPM in N	
			Auto. (FMX)			700D 625D with AC		
FORD			Auto. (FMX)		4500 5000 (Sta-Wag)	700D 625D with AC	10° BTDC @ 625 RPM in N	

500 RPM with solenoid disconnected and headlights on.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12127- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
Mustang, Cougar Torino, Montego	351	1-2V	Auto.	D3ZF- CA	C & V	D3AF - DC	EM	EGR	Canister	SDV EGRS EGRL TSP
Torino, Montego Ford						D3AF - KA				
Torino, Montego Ford						D3ZF - FA				

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

SDV = Spark advance delay valve with bypass at low ambient temperatures
EGRS = EGR Speed lockout
EGRL = EGR Lockout at low coolant temperature
TSP = Throttle Solenoid positioner

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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
Ford, Sedan, S.W., & 6-Pass. Ranch Wagon, Torino/Montego/ Mercury Sedan & S. W., Ranchero	400	1-2V	Auto. C-6	400	4500 (Torino/ Montego Sedan & S.W., Ranchero) 5000 (Ford, Mercury, Torino/Montego S.W.) 5500 (Ford S. W.)	625*D 500 #N	(@ 625 RPM in N) 3° BTC 6° BTC(1) 12° BTC(2)	0.5% Max.
Ford Sedan, 6-Pass. Ford Ranch Wagon except 3.25 axle			Auto. FMX				6° BTC	
Ford, Mercury S.W. 3.25 axle only			Auto.				3° BTC	
Ford, Mercury Sedan & Ford 6-Pass Ranch Wagon 3.25							6° BTC	

(1) with D3MF-9510-EA Carburetor
(2) with D3MF-9510-DA Carburetor and D3MF-12127-GA distributor
* Solenoid connected
\# Solenoid Disconnected

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See other side for additional information.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12127- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
Ford Sedan, S.W. & 6-Pass. Ranch Wagon, Torino/ Montego/ Mercury Sedan & S.W., Ranchero.	400	1-2V	Auto. C-6	D3AF - BA D3MF - GA	C + V	D3MF - AE D3MF - EA D3MF - DA D3MF-BA	EM	EGR*	Canister	SDV TSP
Ford Sedan, 6-Pass. Ford Ranch Wagon except 3.25 axle			Auto. FMX	D3AF - BA		D3MF - CA				
Ford, Mercury S.W. 3.25 axle only			Auto. (C-6 or FMX)	D3AF - BA		D3MF - BA				
Ford, Mercury Sedan & Ford 6-Pass. Ranch Wagon 3.25			Auto. (C-6 or FMX)	D3MF - BA		D3MF - BA				

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

* EGR locked out at high speed or with low coolant temperature
SDV = Spark advance delay valve with by-pass at low ambient temp.
TSP = Throttle solenoid positioner

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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
Ford & Mercury (except S.W.) Thunderbird Torino & Montego S. W. & Montego P.H.T. & Brougham	429	1-4V	Auto.	429-460	5000	650*D 550#N (550#N)(1)	14° BTC @ 650 in D (10° BTC)(1) @ 650 in D	0.5%
Torino & Montego (except S.W. and Montego P.H.T. & Brougham)					4500			
Thunderbird Ford & Mercury (except S.W.)	460	1-4V			5000		12° BTC @ 650 in D 14° BTC @ 650 in D(2)	0.4%
Lincoln, Mark IV Ford & Mercury S.W.					5500			

* Solenoid connected
\# Solenoid disconnected
(1)With D3VF-9510-DA distributor
(2)With No. 10 Spark Delay Valve

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See other side for additional information.

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Model	Engine C.I.D.	Carburetor No.of Venturi	Trans-mission	-12127- Distributor Make & No.	Type Adv.*	-9510- Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap.	Other
Ford, Mercury, Thunderbird, Torino, Montego	429	1-4V	Auto.	D3MF - DA D3VF - CA(1)	C & V	D3AF-HB or HA D3AF - LA(1) D3AF-VA(1)	EM	EGR	Canister	EGRL, SDV, EC & TSP
Ford, Mercury Thunderbird, Lincoln, Mark IV	460	1-4V		D3VF - CA		D3VF - DA				

(1) except Montego 4 door P.H.T. and 2 door H.T. Brougham
EGRL = EGR with low coolant temperature and high speed lockout
SDV = Spark advance delay valve with low ambient temp. by pass
EC = Electrically heated choke
TSP = Throttle solenoid positioner

*** C - Centrifugal**
V - Vacuum
VR - Vacuum retard

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