

AMA Specifications—Passenger Car

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MANUFACTURER FORD MOTOR COMPANY	CAR NAME FAIRLANE - GT & GTA	
MAILING ADDRESS P.O. BOX 2053 - DEARBORN, MICHIGAN	MODEL YEAR 1966	ISSUED: REVISED (e)

NOTES:

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.

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BODY—TYPES AND STYLE NAMES—

Body type, number of passenger & style names; use manufacturer's code for series & body style.

<u>Body Type</u>	<u>Passenger</u>	<u>Body Number</u>
<u>Fairlane - GT & GTA</u>		
2-Door Hardtop		63D
2-Door Convertible		76D

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MAKE OF CAR FAIRLANE GT MODEL YEAR 1966 DATE ISSUED _____ REVISED ^(*) _____

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	2-Door 63-D	2-Door 76-D
Wheelbase (L101)			116	
Track	Front (W101)		58	
	Rear (W102)		58	
Maximum Overall Dimensions	Length (L103)		197.0	
	Width (W103)		74.1	
	Height (H101)		55.0	53.9
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	15	Standard - Full Synchronesh	
	Manual - 4 speed	15	Optional - Full Synchronesh	
	Overdrive	15	Not Available	
	Automatic	16	Optional - Special Sports Shift	
Axle ratio	Manual - 3 speed	17	See Page 4	
	Manual - 4 speed	17	See Page 4	
	Overdrive	17	Not Available	
	Automatic	17	See Page 4	
Tire size		18	See Page 18	
Engine	Type, no. cyl., valve arr.	3	90° V8, OHV	
	Fuel system (Carb., other)	10	4V - Carburetor	
	Bore and stroke	3	4.05 x 3.78	
	Piston displ., cu. in.	3	390	
	Std. compression ratio	3	10.5	
	Max. bhp at engine rpm	3	335 @ 4800	
	Max. torque at rpm	3	427 @ 3200	

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GENERAL SPECIFICATIONS—DIMENSIONS

(All dimensions in inches unless otherwise indicated)
(Supplemental data available on request)

MODEL	SAE Ref. No.	63-D	76-D
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FRONT COMPARTMENT

Shoulder room	W3	58.0	
Hip room	W5	59.5	
Max. eff. leg room - accelerator	L34	42.1	
Effective head room	H61	38.7	38.2
H Point to Heel point	H30	8.9	9.0

REAR COMPARTMENT

Shoulder room	W4	58.0	56.7
Hip room	W6	59.5	48.8
Minimum effective leg room	L51	36.1	34.0
Effective head room	H63	37.3	36.8

LUGGAGE COMPARTMENT

Usable luggage capacity	V1	15.2	
Liftover height	H195	22.3	
Position of spare tire storage			
Method of holding lid open		Torsion Arm	

STATION WAGON—THIRD SEAT

Hip room	W86		
Effective leg room	L86		
Effective head room	H86		
Seat facing direction			

STATION WAGON—CARGO SPACE

MODEL	SAE Ref. No.	
Minimum distance between wheel houses at floor level	W201	
Rear end opening width at belt	W204	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	
Maximum height - floor covering to headlining at centerline of rear axle	H201	
Maximum height of rear opening - tail and lift gates open	H202	
Cargo volume index (cu. ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	

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MODEL _____ 63-D & 76-D
390-4V

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V8
Bore and stroke (nominal)	4.05 x 3.78
Piston displacement, cu. in.	390
Bore spacing (C/L to C/L)	463
No. system	5-6-7-8
(front to rear)	1-2-3-4
Firing order	1-5-4-2-6-3-7-8
Compres. ratio (nominal)	10.5:1
Cylinder Head Material	Cast Iron
Cylinder Block Material	Cast Iron
Cylinder Sleeve-Wet, dry, none	None
Number of mounting points	Two
Front	One
Rear	4°
Engine installation angle	
Taxable horsepower	52.49
Di ² xNo.Cyl. 2.5	
Publishing max. bhp* @ eng. RPM	335 @ 4800
Publishing max. torque* (lb. ft. @ RPM)	427 @ 3200
Recommended fuel regular - premium	Premium
Idle speed(spec. Manual	575 - 600 (Neutral)
neutral or drive) Automatic	475 - 525 (Drive)

ENGINE—PISTONS

Material	Aluminum Alloy with Steel Struts
Description and finish	Autothermic Type, Tin Plated, Cam Ground
Weight (piston only) oz.	23.1#
Clearance (limits)	Top land
	Skirt
	Top
	Bottom
Ring groove depth	No. 1 ring
	No. 2 ring
	No. 3 ring
	No. 4 ring

*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) At Centerline of pin hole.

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		Std.	Opt.	Locker
Passenger	390	4V	10.5	335@ 4800	427@ 3200	Manual 3-Speed	3.25:1	3.00:1	3.25:1
						Manual 4-Speed	3.25:1	3.00:1	3.25:1
						Manual & Auto. controlled Cruise-O-Matic	3.25:1	3.00:1	3.25:1

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MODEL _____ 63-D & 76-D
390-4V

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	-
Compression	Description - material, coating, etc.	#1 Cast Iron Alloy, Inside Beveled, Molybdenum Filled Groove #2 Cast Iron Alloy, Straight Face Scraper Groove, Phosphate Coated
	Width	#1 & #2 1.0774 - .0781
	Gap	.010 - .020
Oil	Description - material, coating, etc.	Multi-piece: Two rails and one spacer expander Rails: Steel, chrome plated, oxide coated Spacer Expander: Blue steel
	Width	.1875
	Gap	.015 - .055
Expanders		Integral with oil ring assembly

ENGINE—PISTON PINS

Material		Alloy steel - SAE-5015
Length		3.150 - 3.170
Diameter		.9752
Type	Locked in rod, in piston, floating, etc.	Full floating tubular
	Bushing	In Rod
	Material	Bronze
Clearance	In piston	.0001 - .0003
	In rod	.0001 - .0003
Direction & amount offset in piston		Right .0625

ENGINE—CONNECTING RODS

Material		Forged Steel - SAE-1041
Weight (oz.)		27.1
Length (center to center)		6.488
Bearing	Material & Type	Plated copper-lead alloy on steel back, replaceable inserts
	Overall length	.741
	Clearance (limits)	.0007 - .0028
	End play	.010 - .020

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MODEL _____ 63-D & 76-D
390-4V

ENGINE—CRANKSHAFT

Material		Precision molded cast iron	
Vibration damper type		Rubber Floated	
End thrust taken by bearing (No.)		Three	
Crankshaft end play		.004 - .008	
Main bearing	Material & type		Plated copper-lead alloy on steel back, replaceable inserts
	Clearance		.0007 - .0031
	Journal dia. and bearing overall length	No. 1	2.7488 x .907
		No. 2	2.7488 x .907
		No. 3	2.7488 x 1.119
		No. 4	2.7488 x .907
		No. 5	2.7488 x .907
		No. 6	-
		No. 7	-
Dir. & amt. cyl. offset		Right hand bank leads .84	
Crankpin journal diameter		2.4384	

ENGINE—CAMSHAFT

Location	In Block	
Material	Precision molded special alloy iron - Induction hardened - phosphate coated	
Bearings	Material	SAE 15 - Lead base babbitt on steel back
	Number	Five
Type of Drive	Gear or chain	Chain
	Crankshaft gear or sprocket material	Sintered iron or steel
	Camshaft gear or sprocket material	Aluminum body with molded nylon teeth
	Timing chain	No. of links 48
		Width .86
		Pitch .50

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)	Standard	
Valve rotator, type (intake, exhaust)	Ford free turn - intake & exhaust	
Rocker ratio	1.73:1	
Operating tappet clearance (indicate hot or cold)	Intake	Zero
	Exhaust	Zero
Timing marks on flywheel, damper, other	Crankshaft Damper	

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390-4V**ENGINE—VALVE SYSTEM (cont.)**

Timing	Intake	Opens (°BTC)	180
		Closes (°ABC)	72°
		Duration-deg.	270°
	Exhaust	Opens (°BBC)	68°
		Closes (°ATC)	22°
		Duration-deg.	270°
Valve opening overlap		40°	
Intake	Material		SAE-1047 Aluminized Steel Head
	Overall length		5.446
	Actual overall head dia.		2.022 - 2.037
	Angle of seat & face		45°
	Seat insert material		None
	Stem diameter		.3711 - .3718
	Stem to guide clearance		.0010 - .0027
	Lift (@zero lash)		.4809
	Outer spring press. and length	Valve closed (lb. @ in.)	85 # @ 1.82"
		Valve open (lb. @ in.)	267.5 @ 1.32"
	Inner spring press. and length	Valve closed (lb. @ in.)	Damper Only
		Valve open (lb. @ in.)	
Exhaust	Material		Aluminized Cast Austenitic Steel
	Overall length		5.426
	Actual overall head dia.		1.551 - 1.566
	Angle of seat & face		45°
	Seat insert material		None
	Stem diameter		.3701 - .3708
	Stem to guide clearance		.0010 - .0027
	Lift (@zero lash)		.4809
	Outer spring press. and length	Valve closed (lb. @ in.)	85 # @ 1.82"
		Valve open (lb. @ in.)	267.5 @ 1.32"
	Inner spring press. and length	Valve closed (lb. @ in.)	Damper Only
		Valve open (lb. @ in.)	

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Oil Mist
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash
	Cylinder walls	Pressure Stream

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotor
Normal oil pressure (lb. @ engine rpm)	50 - 60 @ 2000
Oil pressure sending unit (elect. or mech.)	Electrical.
Type oil intake (floating, stationary)	Stationary shrouded screen in sump
Oil filter system (full flow, partial, other)	Full flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	4.0
Oil grade recommended (SAE viscosity and temperature range)	90°F above - SAE 10W or SAE 30 20°F to 90° - SAE 20-20W or SAE 10W-30 -10°F to 20° - SAE 5W-20 or SAE 10W-30 or 10W -10°F to below - SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Dual Conventional Flow
Exhaust pipe dia. Branch	2.00
(O.D., wall thickness) Main	2.00
Tail pipe diameter (O.D. & wall thickness)	2.00 - .060

ENGINE— CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Optional
	Induction System	
Make and model	Ford, A/C or Chicago Screw	
Location	Rocker Cover	
Energy source (manifold vacuum, carburetor air stream, other)	Manifold Vacuum	
Control method (variable orifice, fixed orifice, other)	Variable Orifice	
Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake Manifold	
Air inlet (breather cap, carburetor air cleaner, other)	Breather Cap - Carburetor Air Cleaner (a)	
Flame arrestor (screen, check valve, other)	Emission Valve	

(a) Optional and as required by statutes.

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ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)		Air Injection	
Air Injection Pump	Type	Vane	
	Displacement	19.3 in 3/Rev.	
	Drive ratio	1.06:1	
	Drive type	Belt & Pulley	
	Relief valve (type)	Pressure Sensitive Poppet	
	Filter (describe)	Poly Urethane Element - Silenced	
Air Injection System	Air distribution (head, manifold, etc.)	Manifold	
	Point of entry	Cylinder Head	
	Injection tube I.D.	.250"	
	Check valve type	Poppet	
	Backfire protection (type)	Anti-backfire valve	
Carburetor	Make	Holley	
	Model	9510	
	Barrel size		
	Idle speed	Drive Neutral	
Distributor	Aux. Adv. Systems (type)	None	
	Make	Ford	
	Model	12127	
	Cent'fgal adv. in crank degrees @ eng. rpm.	Start (rpm)	
		Intermed. points deg. @ rpm	
		Max. deg. @ rpm.	
	Vacuum adv. in. crank degrees @ eng. rpm	Start (in Hg)	
		Intermed. points deg. @ in. Hg	
		Max. deg. @ in.	
	Vacuum Source		Carburetor Air Stream
Timing - Crank degrees @ rpm			
Cooling System (describe changes)			
Exhaust System (describe changes)			

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ENGINE—FUEL SYSTEM

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger,

4-V Carburetor

Fuel Tank	Refill capacity (gals.)	20 Gallons
	Filler location	Rear fill
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Left Side Front
	Pressure range	4.5 - 5.5 PSI
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	#1 Accreted paper (disposable) #2 Wire cloth plastic
	Locations	#1 Integral with fuel pump #2 In fuel tank
Carburetor	Choke type	Automatic
	Intake manifold heat control (exhaust or water)	Exhaust heated manifold
	Air cleaner type	Dry - Replaceable element
		None

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
All	390	Cruise-O-Matic	Holley	9510	1-4V	1.562

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63D & 76D

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MODEL _____

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure					
Radiator cap relief valve pressure	12 - 15 PSI					
Circulation Type (choke, bypass)	Poppet Valve					
thermostat Starts to open at (°F)	192°					
Type (centrifugal, other)	Centrifugal					
GPM @ 1000 pump rpm	17					
Number of pumps	One					
Drive (V-belt, other)	V-Belt					
Bearing type	Double Row - Sealed Ball					
By-pass recirculation type (internal, external)	External					
Radiator core type (cellular, tube and fin, other)	Down Flow, Tube & Fin					
Cooling system With heater (qt.)	20.5					
capacity Without heater (qt.)	19.5					
Opt. equipment-specify (qt.)	None					
Water jackets full length of cylinder (yes, no)	Yes					
Water all around cylinder (yes, no)	Yes					
Radiator hose	Lower	Number and type (molded, straight)	One, Molded			
		Inside diameter	1.75 @ Radiator 2.07 @ Water Pump			
	Upper	Number and type (molded, straight)	One			
		Inside diameter	1.50 @ Radiator 1.75 @ Outlet			
	By-pass	Number and type (molded, straight)	One, Straight			
		Inside diameter	.376 - .620			
Code-Belt Arrangement		(1)	3 & 4	4	1 & 3	2
Fan	Number of blades & spacing	7	7	7	7	7
	Diameter	18-1/4	18-1/4	18-1/4	18-1/4	18-1/4
	Ratio-fan to crankshaft rev.	1.06:1	1.34:1	1.34:1	1.06:1	1.06:1
	Fan cutout type	(a)	(a)	(a)	(a)	(a)
	Bearing type					
* Drive belts (indicate belt used by letter)	Fan					
	Generator or alternator	* Same as Base Car with 390 engine				
	Water Pump					
	Power Steering					
	Air Conditioning					

** Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V											
Nominal length (SAE) *	Same as Base Car with 390 engine										
Width											

1. Std. cooling 3. Power Steering
 2. Extra Cooling 4. Selectaire A/C (a) Thermo-Modulated

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MODEL _____

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model (Autolite)		10655
	Voltage Rtg. & Total Plates		12V-66 Plate
	SAE Designation & Amp Hr. Rtg.		80 amp. hr.
	Location		Right Hand Front Engine Compartment
	Terminal grounded		Negative
Generator or Alternator	Make		Leece-Neville 53 Amp.
	Model		55 Amp. C6TF-10300-F
	Type and rating		3 Phase Full Wave Bridge Rectified Self Limiting
	Output at engine idle (neutral)		16.5 Amps @ 600 RPM
	Ratio-Gen. to Cr/s rev.		2.36:1; AC, 3.07:1; AC & PS 2.8:1
Regulator	Make		Ford
	Model		10B16
	Type		Two Unit - Voltage Control & Field Relay
	Cutout relay	Closing voltage @ generator rpm	12.0 - 12.8 @ 1200 RPM
		Reverse current to open	Open Circuit
	Regulated	Voltage	14.1 - 14.7 @ 75°
		Current	Not Applicable
	Voltage test conditions	Temperature	75°
		Load	5 Amp.
		Other	None

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Ford
	Model		C40F-11001-B
	Rotation (drive end view)		Clockwise
	Engine cranking speed		180 RPM @ 80°
	Test conditions		80°
	No load test	Amps	70
		Volts	12.0
		RPM (min)	9500
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		Turning ignition key to right against spring to actuate the starter motor. Release when engine starts.

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type			Positive, Electro-Mechanical
	Pinion meshes (front, rear)			Front
	Number of teeth	Pinion		9
		Flywheel	Manual	160
			Auto.	184
	Flywheel tooth face width		Manual	.365
			Auto.	.365

ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.		N.A.
	Make		Ford
	Model		FAC-12029-A
	Amps	Engine stopped	4.5
Engine idling		2.5	
Distributor	Make		Ford
	Model		C60F-12127-J (Man. & Auto. Trans.)
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0° @ 740
		Intermediate points deg. @ rpm.	10-1/2° @ 1100
			23° @ 4000
		Max. deg. @ rpm.	24.5° @ 4000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	0° @ 8-1/4"
		Intermediate points, deg. @ in. Hg.	10° @ 23"
			17° @ 15"
			22° @ 20"
		Max. deg. in. Hg.	25° @ 20"
	Breaker gap (in.)		.014 - .016
	Cam angle (deg.)		26°
	Breaker arm tension (oz.)		17 - 20
Timing	Crankshaft deg. @ rpm.		10° Initial @ Idle #
	Mark location		Crankshaft Damper
Spark Plug	Make		Autolite
	Model		BF-32
	Thread (mm)		18 mm
	Tightening torque (lb. ft.)		15 - 20
	Gap		.032 - .036
Cable	Conductor type		Resistance Core Cable
	Insulation type		Neoprene Sheath
	Spark plug protector		Hypalon Boot

#. 12° Initial for Automatic Transmission

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MODEL _____

ELECTRICAL—SUPPRESSION

Locations & type

Capacitor at the Alternator or Voltage Regulator
Wheel static collectors in front wheels
Resistance core ignition cable

ELECTRICAL—INSTRUMENTS AND EQUIPMENT

Speed-ometer	Make	Ford
	Trip odometer (yes, no)	No
Charge indicator—type		Warning Lights
Temperature indicator—type		Cold and Hot Light Indicator
Oil pressure indicator—type		Warning Light
Fuel indicator—type		Electric Gage
Other		None
Windshield wiper	Make	Ford
	Type—Standard	Two Speed Electric with Washer
	Type—Optional	—
	Vacuum booster provision	None
	Washer provision	—
Horn	Type	Air Electric
	Number used	(2) Two
	Amp draw (each)	5.5

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type		Long Manufacturing Single Disc Dry Plate
Type pressure plate springs		Semi-Centrifugal
Total spring load (lb.)		1944#
No. of clutch driven discs		One
Clutch facing	Material	Woven Asbestos
	Outside & inside dia.	11.5 x 7.0
	Total eff. area (sq. in.)	130 sq. in.
	Thickness	.125
	Engagement cushioning method	Torbend Disc
Release bearing	Type & method of lubrication	Ball thrust, Prepacked seal
Torsional damping	Methods: springs, friction material	Spring Steel

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MODEL _____

DRIVE UNITS—TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not Available
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		3 Speed	4 Speed
Transmission ratios	In first	2.42:1	2.78:1
	In second	1.61:1	1.93:1
	In third	1.00:1	1.36:1
	In fourth	—	1.00:1
	In reverse	2.33:1	2.78:1
Synchronous meshing, specify gears		1 - 2 - 3	1 - 2 - 3 - 4
Shift lever location		Floor	Floor
Lubricant	Capacity (pt.)	3.5	3.5
	Type recommended	Mild Extreme Pressure - M-565-D	
	SAE viscosity number	Summer	SAE-80
		Winter	SAE-80
		Extreme cold	SAE-80

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Type (planetary or other)			
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed			
Gear ratio			
Lubricant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number		Summer
			Winter
	Extreme cold		

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MODEL 390-4V

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name	Cruise-O-Matic
Type describe	Torque Converter with Planetary Gears
Method of Selection (Lever, Push Button or other)	Floor Shift
Selector Pattern	P - R - N - D - 2 - 1
List gear ratios Selector Pattern and indicate which are used in each selector position	Gear Ratios: 1st 2.46:1, 2nd 1.46:1, 3rd 1.00:1, Reverse 2.20:1 P - Park R - Reverse N - Neutral D - 1st gear start, automatic upshift 2 - 2nd gear start and hold 1 - 1st gear start and hold
Max. upshift speeds—drive range	
Max. kickdown speeds—drive range	
Torque converter	Number of elements Three
	Max. ratio at stall 2.10
	Type of cooling (air, liquid) Liquid through Heat Exchanger in Radiator
Lubricant	Capacity—refill (pt.) 26
	Type recommended Type "A" Transmission Fluid - M2C33D
Special transmission features	Sports Shift - (See Note Below)

DRIVE UNITS—PROPELLER SHAFT

Number used	1
Type (exposed, torque tube)	Exposed
Outer diameter x length* x wall thickness	Manual 3-speed transmission 3.00 x 57.18 x .065
	Manual 4-speed transmission 3.00 x 57.18 x .065
	Overdrive transmission —
	Automatic transmission 3.00 x 54.03 x .065

* Center to center of universal joints, or to centerline of rear attachment.

(Continued)

The shift lever button control is used to shift from neutral to reverse or park; also when shifting from "D" to "2" or "1" position. However, the button control function is not required when shifting from neutral to "D" position or to shift forward from "1" to "2" position.

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DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		None
Universal joints	Make		Ford
	Number used		Two
	Type (ball and trunnion, cross, other)		Cross
	Bearing	Type (plain, anti-friction)	Anti-Friction
		Lubric. (fitting, prepack)	Pre-pack
Drive taken through (torque tube or arms, springs)			Spring
Torque taken through (torque tube or arms, springs)			Spring

DRIVE UNITS—REAR AXLE

Description			Conventional rear axle, with semi-floating axle shafts and straddle mounted ring gear and pinion
Limited Slip differential, type			Friction Clutch
Drive Pinion Offset			2.25
No. of differential pinions			2
Ring gear O.D. (std. ratio)			9"
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Shim
Wheel bearing type			Single Row Double Sealed Ball Bearing
Lubricant	Capacity (pt.)		4.5
	Type recommended		M-2C57-A
	SAE viscosity number	Summer	90
		Winter	90
		Extreme cold	90

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 4 for axle ratio usage)

Axle ratio		3.25	3.00
No. of teeth	Pinion	12	13
	Ring gear	39	35

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DRIVE UNITS—WHEELS

Type & material		Stamped steel disc
Rim (size and flange type)	Std.	14 x 5.5J
	Opt.	
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.50
	Number and size	Five 1/2-20

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.75 x 14 4 Ply WSW
	Type - Nylon, etc.	Nylon
Rev/mile at 50 mph.		778
Inflation press. (cold)	Front Normal Load	24
	Rear Normal Load	22
Optional tires - size and ply		7.75 x 14 4 Ply BSW Nylon

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)		Duo-servo
Self adjusting (std., opt., N.A.)		Standard
Hydraulic system type (single, dual, etc.)		Single
Power brake make & type (remote, integral, etc.)		Midland-Ross Integral
Effective area (sq. in.) *		147.1
Gross lining area (sq. in.) **		171.9
Swept drum area (sq. in.) ***		282.6
Percent brake effectiveness—front		61.0
Drum or Rotor	Diameter	Front 10 x 2.5 Rear 10 x 2.0
	Type and material	Front: Full Cast Rear: Composite
	Rotor (vented or solid)	
	No. pistons per caliper	
Wheel cylinder bore	Front	1.094
	Rear	.906
Master cylinder bore		1.00
Available pedal travel		6.55
Line pressure at 100 lb. pedal load		760 PSI
Shoe clearance adjustment		.015

* Excludes rivet holes, grooves, chamfers, etc.

(Continued)

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes:

Widest lining contact width for each brake x its drum circumference.

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BRAKES—SERVICE (cont.)

Brake lining	Drum or Disc		Drum	
	Bonded or riveted		Riveted	
	Front Wheel	Material		Molded Asbestos
		Size (length x width x thickness)	Prim. or out- board	8.35 x 2.5 x .214
			Second. or in- board	8.35 x 2.5 x .269
		Segments per shoe		One
		Rear Wheel	Material	
	Size (length x width x thickness)		Prim. or out- board	10.75 x 2.0 x .214
			Second. or in- board	10.75 x 2.0 x .269
	Segments per shoe		One	

BRAKES—PARKING

Type of control	Foot operated, hand release
Location of control	Left of steering column
Operates on	Rear service
If separate from service brakes	None
Type (internal or external)	None
Drum diameter	None
Lining size (length x width x thickness)	None

FRAME

Type and description (Separate frame, unitized frame, partially - unitized frame)	Unitized Construction
---	-----------------------

STEERING

Manual (std., opt., NA)			Std.
Power (std., opt., NA)			Opt.
Adjustable steering wheel (tilt, swing, other)		Type and description	
		(std., opt., NA)	NA
Wheel diameter		Manual	16
		Power	16
Turning diameter	Outside front	Wall to wall (l. & r.)	NA
		Curb to curb (l. & r.)	41.45
	Inside rear	Wall to wall (l. & r.)	NA
		Curb to curb (l. & r.)	NA
Outside wheel angle with inside wheel at 20°			18°3'
Manual	Gear	Type	Recirculating Ball & Nut
		Make	Ford
		Ratios	22:1
		Gear Overall	29.4:1
	No. wheel turns		5.0 Lock to Lock

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STEERING (cont.)

Power	Type (coaxial, linkage, etc.).		Linkage Booster
	Make		Bendix
	Gear	Type	Recirculating Ball & Nut
		Ratios	16:1
	Gear Overall		21.6:1
	Pump driven by		Belt off Crankshaft Pulley
Linkage	Number wheel turns		3.5 Lock to Lock
	Type		Parallelogram
	Location (front or rear of wheels, other)		Rear of Wheels
	Drag link (trans. or longit.)		Transverse
	Tie rods (one or two)		Two
Steering Axis	Inclination at camber (deg.)		7°
	Bearings (type)	Upper	Joint with sintered iron ball-Teflon coated fabric washer
		Lower	Joint with sintered iron ball-Teflon coated fabric washer
		Thrust	Steel spring & cap in all joints
Wheel Alignment (range at curb weight and preferred)	Caster (deg.)		0° + 1° 0' 0° 15' Preferred
	Camber (deg.)		-0° 15', + 0° 45' 0° 15' Preferred
	Toe-in (outside track inches)		+ .03", + .15" .09" Preferred
	Steering spindle & joint type		Integral assembly with ball socket joints
Wheel spindle	Diameter	Inner bearing	1.25 I.D.
		Outer bearing	.75 I.D.
	Thread size		3/4"-16 NF3
	Bearing type		Tapered Roller

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SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension) *

Provision for car leveling	None
Provision for brake dip control	Tilted upper control arm anti-dive front suspension
Provision for acc. squat control	Asymmetrical type rear spring mounting
Special provisions for car jacking	None
Shock absorber front & rear	Direct acting, rebound cut-off front
Type	Ford G.P.D.
Make	1.18"
Piston dia.	
Other special features	

SUSPENSION—FRONT

Type and description	Independent S. L. A. suspension with ball joints & coil springs
Spring	Coil
Type	SAE 5160 Steel
Material	10.61" x 3.86", 124" bar length, .66" bar diameter
Size (coil design height & I.D.; bar length x dia.)	365
Spring rate (lb. per in.)	119
Rate at wheel (lb. per in.)	
Stabilizer	Link type
Type (link, linkless, frameless)	SAE 1090, .85" Dia.
Material & bar diameter	

SUSPENSION—REAR

Type and description	Hotchkiss Drive
Drive and torque taken through	Rear Spring
Spring	Semi-Elliptic Leaf
Type	Spring Steel SAE-5160
Material	58.0" x 2.5"
Size (length x width, coil design height & I.D.; bar length & dia.)	138
Spring rate (lb. per in.)	146
Rate at wheel (lb. per in.)	Rubber Bushings
Mounting insulation type	4
If leaf	No. of leaves
Shockle (comp. or tens)	Compression
Stabilizer	None
Type (link, linkless, frameless)	-
Material	-
Track bar type	-

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BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Enamel
Hood counterbalanced (yes, no)		Rear
Hood release control (internal, external)		Yes-External
Vehicle Indent. No. location		Dash panel-in engine compartment
Engine No. location		Under coil mounting strap
Theft protection - type		Door locks, ignition key start, theft retarder ign. switch
Vent window control method (crank, friction pivot)	Front	Friction Pivot
	Rear	NA
Seat cushion type	Front	Formed wire springs, comb. cotton and foam pads
	Rear	Formed wire springs, white cotton pads
	3rd seat	-
Seat back type	Front	Formed wire springs, cotton pads
	Rear	Formed wire springs, cotton pads
	3rd seat	-
Windshield glass type (i.e., single curved - laminated plate)		Double curved-laminated plate
Side glass type (i.e., curved - tempered plate)		Single curved-tempered plate
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curved Tempered sheet
		Flat tempered sheet
Windshield glass exposed surface area	1028.40	1022.40
Side glass exposed surface area	1342.00	1132.60
Backlight glass exposed surface area	1211.16	708.84
Total glass exposed surface area	3581.56	2863.84

LAMP HEIGHT AND SPACING

Height above ground to center of bulb	Headlamp	Highest *	20.53
		Lowest	31.09
	Tail	Highest	-
		Lowest	27.52
Distance from C/L of car to center of bulb	Headlamp	Inside	-
		Outside *	30.62
	Tail	Inside	32.31
		Outside	-
	Directional	Front	29.92
		Rear	32.31

* If single headlamps are used enter here.

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CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	NA
	Vent Windows	NA
	Backlight or tailgate	-
Power seats (specify type as well as availability)		NA
Reclining front seat back		NA
Front seat headrest		NA
Radios (specify type as well as availability)		AM Transistorized (optional)
Rear seat speaker		-
Power Antenna		NA
Clock		Std.
Air Conditioner (specify type and availability)		Integrated Re-heat (optional)
Speed warning device		-
Speed control device		-
Ignition lock lamp		-
Back up lamp		Opt.
Dome lamp		Std.
Glove compartment lamp		Opt.
Prkg. brake signal lamp		-
Luggage compartment lamp		Opt.
Underhood lamp		Opt.
Courtesy lamp		Opt.
Map lamp		Opt.
Auto. trans. quad. lamp		Std.
Emergency flasher lamp		-
Cornering light lamp		-

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