

Shop Tips

SEPTEMBER, 1964

FROM FORD

VOL. 2, NO. 7

Technical parts and service information published by Ford Division to assist servicemen in Service Stations, Independent Garages and Fleets.

SPECIAL 1965 ANNOUNCEMENT ISSUE



Be sure to file this and future bulletins for ready reference. If you have any suggestions for additional information that you would like to see included in this publication please write to: Ford Division of Ford Motor Company, Parts and Service Promotion and Training Dept., P.O. Box 658, Dearborn, Michigan, 48121.



From Your Ford Dealer

Distributed By

BILL BOYER FORD

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Representative



1965 FORD

IDENTIFICATION

The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear face of the left front door.

The official Vehicle Identification Number for title and registration purposes is stamped on a tab under the hood on the dash panel near the hood right hinge.

GENERAL DIMENSIONS

Wheelbase.....	119 inches	Over-all Width.....	77.3 inches
Tread:		Over-all Height:	
Front.....	62 inches	Sedan.....	55.6 inches
Rear.....	62 inches	Hardtop.....	54.7 inches
Over-all Length.....	210 inches	Convertible.....	54.8 inches
		Station Wagon.....	56.7 inches

APPROXIMATE REFILL CAPACITIES

	U. S. Measure	Imperial Measure		U. S. Measure	Imperial Measure
Fuel Tank:			Transmission:		
Car.....	20 gal.	16¼ gal.	Manual.....	3½ pts.	3 pts.
Station Wagon.....	20½ gal.	16¼ gal.	Cruise-O-Matic Six.....	8½ qts.	7 qts.
Cooling System*			289 CID V-8 Code 4*.....	10 qts.	8½ qts.
223 CID Six.....	16 qts.	12½ qts.	Code 6*.....	8½ qts.	7 qts.
289 CID V-8.....	14½ qts.	12 qts.	352 & 390 CID V-8.....	11 qts.	9 qts.
352, 390 & 427 CID V-8.....	20½ qts.	17 qts.	427 CID V-8.....	3½ pts.	3 pts.
*Includes 1 quart for car equipped with heater.			*Warranty plate transmission code.		
Engine Crankcase:†			Rear Axle.....	5 pts.	4 pts.
240 CID Six.....	5 qts.	4¼ qts.			
289 & 427 CID V-8.....	5 qts.	4¼ qts.			
352 & 390 CID V-8.....	6 qts.	5 qts.			

†Includes 1 quart required with oil filter replacement.

ENGINES

	240 CID Six	289 CID V-8	352 CID V-8	390 CID V-8	427 CID V-8
Type.....	6-cyl. in-line OHV	8-cyl. 90° V OHV	8-cyl. 90° V OHV	8-cyl. 90° V OHV	8-cyl. 90° V OHV
Displacement.....	240 cu. in.	289 cu. in.	352 cu. in.	390 cu. in.	427 cu. in.
Bore & Stroke (inches).....	4.00 x 3.18	4.00 x 2.87	4.00 x 3.50	4.05 x 3.78	4.23 x 3.78
Compression Ratio.....	9.2:1	9.3:1	9.3:1	10.1:1	11.2:1
Brake Horsepower.....	150 @ 4000 rpm	200 @ 4400 rpm	250 @ 4400 rpm	300 @ 4600 rpm	425 @ 6000 rpm
Maximum Torque (Foot-Pounds).....	234 @ 2200 rpm	282 @ 2400 rpm	352 @ 2800 rpm	427 @ 2800 rpm	480 @ 3700 rpm
Valve Lifters.....	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Solid
Carburetor.....	Automatic Choke, Single-Venturi	Automatic Choke, 2-Venturi	Automatic Choke, 4-Venturi	Automatic Choke, 4-Venturi	Automatic Choke, 4-Venturi
Fuel.....	Regular	Regular	Regular	Premium	Super Premium
Firing Order.....	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Spark Plugs.....	B7A-12405-A	B8A-12405-A	B8A-12405-A	B8A-12405-A	B8A-12405-A
Spark Gap Width.....	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.028"-0.032"
Distributor Point Gap.....	0.024"-0.026"	0.014"-0.016"	0.014"-0.016"	0.014"-0.016"	0.014"-0.016"
Thermostat.....	195° F.	195° F.	195° F.	195° F.	195° F.

LIGHTS (12 VOLTS)

	Wattage or Candlepower	Lamp Number		Wattage or Candlepower	Lamp Number
Headlights			Courtesy Light		
No. 1 Inner.....	37½ watts	4001	(Door Mounted).....	15 cp	1003
No. 2 Outer.....	50-37½ watts	4002	Courtesy Light		
Parking and Front			(Convertible).....	6 cp	631
Turn Indicator.....	32-4 cp	1157A	Dome.....	15 cp	1003
Stop, Tail and Rear			Parking Brake Indicator... ..	2 cp	257
Turn Indicator.....	32-4 cp	1157	Radio Dial.....	1.9 cp	1891
Back-Up.....	32 cp	1156	All Instrument Panel Bulbs		
License Plate.....	4 cp	1155	Unless Otherwise		
Spotlight.....	30 watts	4405	Indicated.....	2 cp	1895

SPECIFICATIONS

BATTERY (12 VOLTS)

Engine	Capacity Standard Battery	(Ampere Hours) Optional Battery
240 CID Six	55	70
V-8	55*	70

*352 and 390 CID V-8 with Automatic Transmission—65.

FUSES AND CIRCUIT BREAKERS

	Location	Protective Device Number		Location	Protective Device Number
Headlight	Integral with Headlight Switch	18 Amp.	Turn Indicator and Back-up Lights	Fuse Panel	SFE-14
Taillights, Parking Lights, Rear License Lights, Stop Lights and Horn	Integral with Headlight Switch	15 Amp.	Heater Fan	Fuse Panel	SFE-20
Electric Window Circuit	On Starting Motor Relay	20 Amp.	Speed Control	Cartridge on Power Feed Wire	SFE-14
Electric Window Motor	Integral with Motor	Not Serviced	Ford Air Conditioner	Cartridge on Power Feed Wire	3AG-20
Tailgate Window Motor	Left Rear Quarter Panel	20 Amp.	Overdrive	Clip on Overdrive Relay	SFE-20
Electric Wiper Motor			Spotlight	Cartridge on Power Feed Wire	SFE-7.5
Single-Speed	Integral with Switch	6 Amp.	Windshield Washer used with single-speed wipers	Fuse Panel	SFE-14
2-Speed with Washers	Integral with Switch	12 Amp.	Lighter	Fuse Panel	SFE-14
Electric Seat Circuit	On Starting Motor Relay	20 Amp.	Instrument Panel Lights	Fuse Panel	SFE-14
Convertible Top Motor	On Starting Motor Relay	20 Amp.	Ash Tray Light	Fuse Panel	SFE-14
SelectAire Conditioner	Back of Ignition Switch	25 Amp.	P-R-N-D-L Light	Fuse Panel	SFE-14
Turn Signals	Built-in Flasher	—	Courtesy and Dome Lights and Station Wagon Cargo Area	Fuse Panel	SFE-9

IGNITION TIMING

	Degrees BTDC
240 CID Six —Std. Trans.	6
Auto. Trans.	8
289 CID V-8 —Std. Trans.	6
Auto. Trans.	6
352 CID V-8 —Std. Trans.	6
Auto. Trans.	6
390 CID V-8 —Std. Trans.	4
Auto. Trans.	6
427 CID V-8 —Std. Trans.	8

Ignition timing requirements may vary depending upon locality, fuel, and operating conditions. For best economy and performance, the timing may be advanced to a point just short of audible detonation under load but not to exceed 5° over normal setting. Do not retard the initial advance beyond 2° BTDC for sub-standard fuels.

TIRE PRESSURES

	Pounds per Square Inch (Cold)*	
	Front	Rear
Pass. Car	24	24
Station Wagon (4 ply rating)	24	28
(8 ply rating light load)	24	28
(8 ply rating med. load)	26	30
(8 ply rating heavy load)	28	36

*For considerable high-speed driving or heavy loads, add 4-6 pounds to the recommended cold pressure.

LUBRICATION SPECIFICATIONS

Item	Ford Part Number	Part Name	Item	Ford Part Number	Part Name
Body Hinges	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Rear Axle		
Brake Master Cylinder	R103-A (B7AZ-19542-A)	Rotunda Heavy Duty Brake Fluid	Equa-Lock Axles	C1AZ-19580-E or F	FoMoCo Hypoid Gear Lubricant
Engine Crankcase Oil		MS sequence-tested SAE 10W-30 above—10° F. 5W-20 for sustained temperature below—10° F.	(use 1 oz. per pint of C1AZ-19580—E or F)	C1AA-19B546-A	Equa-Lock Additive
Engine Oil Filter	R1-A (C1AZ-6731-A)	Rotunda Oil Filter 6000 mile type	Steering Gear Housing (Manual or Power)	C3AZ-19578-A	Lifetime Steering Gear Grease
Front Suspension Ball Joints	C1AZ-19590-B	FoMoCo Ball Joint Grease	Steering—Power (Pump Reservoir)	R106-A (C1AZ-19582-A)	Rotunda Automatic Transmission Fluid
Hood Latch and Safety Catch	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Convertible Top Reservoir	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Lock Cylinders	R117-A (B4A-19587-A)	Rotunda Lock Lubricant	Transmission (Automatic)	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
			Transmission (Manual Shift)	C3RZ-19C547-B	Rotunda Manual Transmission Lubricant
			Universal Joints	C1AZ-19586-B	FoMoCo Universal Joint Lubricant
			Front Wheel Bearings	C2AZ-19585-A	FoMoCo Wheel Bearing Grease



1965 FAIRLANE



IDENTIFICATION

The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear face of the left front door inner panel. The official Vehicle Identification Number for title and registration purposes is stamped on a tab at the right side of the dash panel near the hood hinge.

GENERAL DIMENSIONS

Wheelbase—Car	116 inches	Over-all Length:	
—Station Wagon	115.5 inches	All models except Station Wagon	198.4 inches
Tread:		Station Wagon	203.2 inches
Front	57 inches	Over-all Width	73.8 inches
Rear	56 inches		

APPROXIMATE REFILL CAPACITIES

	U. S. Measure	Imperial Measure		U. S. Measure	Imperial Measure
Fuel Tank:			Transmission:		
Car	16 gal.	13 gal.	3-speed Conv. Drive:		
Cooling System:			6-cyl.	2 pts.	1¼ pts.
6-cyl.*	9½ qts.	8 qts.	8-cyl.	3½ pts.	3 pts.
8-cyl.*	14½ qts.	12 qts.	4-speed Manual:		
*Includes 1 quart required for heater			6-cyl.	4¾ pts.	4 pts.
Engine Crankcase:			8-cyl.	3¾ pts.	3 pts.
6-cyl.	4½ qts.	3¾ qts.	Overdrive	3½ pts.	3 pts.
260 & 289 CID V-8	5 qts.	4 qts.	Cruise-O-Matic	8½ qts.	7 qts.
†Includes 1 quart with oil filter replacement.			Rear Axle	4½ pts.	3½ pts.

ENGINES

	200 CID Six	289 CID 2V	289 CID 4V	289 CID Hi Perf.
Type	6-cylinder	8-cyl., 90° V, OHV	8-cyl., 90° V, OHV	8-cyl., 90° V, OHV
Displacement	200 cu. in.	289 cu. in.	289 cu. in.	289 cu. in.
Bore & Stroke (inches)	3.68 x 3.13	4.00 x 2.87	4.00 x 2.87	4.00 x 2.87
Compression Ratio	9.2:1	9.3:1	10.0:1	10.0:1
Brake Horsepower	120 @ 4400 rpm	200 @ 4400 rpm	225 @ 4800 rpm	271 @ 6000 rpm
Maximum Torque (Foot-Pounds)	190 @ 2400 rpm	282 @ 2400 rpm	295 @ 3200 rpm	312 @ 3400 rpm
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Solid
Carburetor	Automatic choke, single-venturi	Automatic choke, 2 venturi	Automatic choke, 4 venturi	Manual choke, 4 venturi
Fuel	Regular	Regular	Premium	Super Premium
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Spark Plugs	B7A-12405-B	B8A-12405-A	B8A-12405-A	B8A-12405-A
Spark Gap Width	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Distributor Point Gap	0.024"-0.026"	0.014"-0.016"	0.014"-0.016"	0.014"-0.016"
Ignition Timing				
Std. Transmission	6°	6°	6°	6°
Auto. Transmission	12°	6°	6°	6°

Ignition timing requirements may vary depending upon locality, fuel, and operating conditions. For best economy and performance, the timing may be advanced to a point just short of audible detonation under load but not to exceed 5° over normal setting. Do not retard the initial advance beyond 2° BTDC for sub-standard fuels.

LIGHTS (12 VOLTS)

	Wattage or Candlepower	Lamp Number	Wattage or Candlepower	Lamp Number
Headlights:			License Plate	4 cp 1155
No. 1 Inner	37½ watts	4001	Spotlight	30 watts 4405
No. 2 Outer	50-37½ watts	4002	Dome	15 cp 1003
Parking and Front Turn Indicator	32-4 cp	1157A	Parking Brake Indicator	32-4 cp 1157A
Stop, Tail and Rear Turn Indicator	32-4 cp	1157	Radio Dial	1.9 cp 1891
Back-Up	32 cp	1156	Heater Control	1 cp 53
			All Instrument Panel Bulbs Unless Otherwise Indicated	2 cp 1895

SPECIFICATIONS

BATTERY (12 VOLTS)

	Standard Battery	Optional Battery		Standard Battery	Optional Battery
Capacity (Ampere-hours (@ 20-Hour Rate))	45	55	Ground Terminal	Negative	Negative
Number of Plates	54	66	Polarity	Negative	Negative

FUSES AND CIRCUIT BREAKERS

	Location	Protective Device Number		Location	Protective Device Number
Radio	Fuse Panel on Lights Switch	SFE-7.5	Ford Air Conditioner	Cartridge on Power Feed Wire	3AG-15 or AGC-15
Clock	Cartridge in Power Feed Wire	1AG-1	Select-Aire Conditioner	Instrument Panel Left Side	20 Amp. C.B.
Turn Indicator and Back-Up Lights	Fuse Panel on Lights Switch	SFE-14	Overdrive	Clip on Overdrive Relay	3AG-15 or AGC-15
Heater Fan	Fuse Panel on Lights Switch	SFE-14	Spotlight	Cartridge on Power Feed Wire	SFE-7.5
Instrument Panel	Fuse Panel on Lights Switch	1AG-2 or AGA-2	Windshield Wiper: Single Speed	Integral with Switch	5 Amp. C.B.
Parking, Rear and Dome Lights	Fuse Panel on Lights Switch	3AG-15 or AGC-15	2-Speed	Integral with Switch	12 Amp. C.B.

TIRE PRESSURES

	Pounds per Square Inch (Cold)*	
	Front	Rear
Passenger Car	24	24
Station Wagon	24	28

*For considerable high-speed driving or heavy loads, add 4-6 pounds to the recommended cold pressure.

LUBRICATION SPECIFICATIONS

Item	Ford Part Number	Part Name	Item	Ford Part Number	Part Name
Body Hinges	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Rear Axle		
Brake Master Cylinder	R103-A (B7AZ-19542-A)	Rotunda Heavy Duty Brake Fluid	Equa-Lock Axles (use 1 oz. per pint of C1AZ-19580—E or F)	C1AZ-19580-E or F C1AA-19B546-A	FoMoCo Hypoid Gear Lubricant Equa-Lock Additive
Engine Crankcase Oil		MS sequence-tested SAE 10W-30 above—10° F. 5W-20 for sustained temperature below—10° F.	Steering Gear Housing (Manual or Power)	C3AZ-19578-A	Lifetime Steering Gear Grease
Engine Oil Filter	R1-A (C1AZ-6731-A)	Rotunda Oil Filter 6000 mile type	Steering—Power (Pump Reservoir)	R106-A (C1AZ-19582-A)	Rotunda Automatic Transmission Fluid
Front Suspension Ball Joints	C1AZ-19590-B	FoMoCo Ball Joint Grease	Convertible Top Reservoir	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Hood Latch and Safety Catch	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Transmission (Automatic)	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Lock Cylinders	R117-A (B4A-19587-A)	Rotunda Lock Lubricant	Transmission (Manual Shift)	C3RZ-19C547-B	Rotunda Manual Transmission Lubricant
			Universal Joints	C1AZ-19586-B	FoMoCo Universal Joint Lubricant
			Front Wheel Bearings	C2AZ-19585-A	FoMoCo Wheel Bearing Grease



1965 FALCON



IDENTIFICATION

The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear face of the left front door. The official Vehicle Identification Number for registration purposes is stamped on the body in the engine compartment.

GENERAL DIMENSIONS

Wheelbase	109.5 inches	Over-all Length	
Tread:		Sedan & Convertible	181.6 inches
Front	53 inches	Station Wagon, Sedan Delivery	
Rear	56 inches	& Ranchero	190 inches
		Over-all Width	71.6 inches

APPROXIMATE REFILL CAPACITIES

	U. S. Measure	Imperial Measure		U. S. Measure	Imperial Measure
Fuel Tank:			Transmission:		
Car	16 gal.	13 gal.	3-speed 6-cyl.	2½ pts.	2 pts.
Station Wagon	20 gal.	16 gal.	8-cyl.	3½ pts.	3 pts.
Cooling System			4-speed 8-cyl. (Ford)	4 pts.	3 pts.
6-cyl.*	9½ qts.	8¾ qts.	8-cyl. (B.W.)	3½ pts.	3 pts.
8-cyl.*	15 qts.	12 qts.	Cruise-O-Matic	7 qts.-	7 qts.
*Includes 1 quart for heater			28 oz.		
Engine Crankcase:			Rear Axle		
6-cyl. †	4½ qts.	3¾ qts.	6-cyl.	2½ pts.	2 pts.
8-cyl. †	5 qts.	4¼ qts.	8-cyl.	4½ pts.	3¾ pts.
†Includes 1 quart for filter replacement.					

ENGINES

	170 CID Six	200 CID Six	289 CID 2-V V-8
Taxable Horsepower	29.4	32.5	51.2
Displacement	170 cu. in.	200 cu. in.	289 cu. in.
Bore & Stroke (inches)	3.50 x 2.94	3.68 x 3.13	4.00 x 2.87
Compression Ratio	9.1:1	9.2:1	9.3:1
Brake Horsepower	105 @ 4400 rpm	120 @ 4400 rpm	200 @ 4400 rpm
Maximum Torque (Foot-Pounds)	156 @ 2400 rpm	185 @ 2400 rpm	282 @ 2400 rpm
Valve Lifters	Hydraulic	Hydraulic	Hydraulic
Carburetor	Automatic Choke, single-venturi	Automatic Choke, single-venturi	Automatic Choke, 2-venturi
Fuel	Regular	Regular	Regular
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Spark Plugs	B7A-12405-B	B7A-12405-B	B8A-12405-A
Spark Gap Width	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Distributor Point Gap	0.024"-0.026"	0.024"-0.026"	0.014"-0.016"
Ignition Timing			
Std. Transmission	6°	6°	6°
Auto. Transmission	12°	12°	6°

Ignition timing requirements may vary depending upon locality, fuel, and operating conditions. For best economy and performance, the timing may be advanced to a point just short of audible detonation under load but not to exceed 5° over normal setting. Do not retard the initial advance beyond 2° BTDC for sub-standard fuels.

LIGHTS (12 VOLTS)

	Wattage or Candlepower	Lamp Number		Wattage or Candlepower	Lamp Number
Headlights	50-40 watts	6012	Courtesy Light		
Parking and Front			(Convertible)	6 cp	631
Turn Indicator	32-4 cp	1157A	Dome	15 cp	1003
Stop, Tail and Rear			Parking Brake Indicator	32-4 cp	1157A
Turn Indicator	32-4 cp	1157	Radio Dial	2 cp	1891
Back-Up	32 cp	1156	All Instrument Panel		
License Plate	4 cp	1155	Bulbs Unless Otherwise		
			Indicated	2 cp	1895

SPECIFICATIONS

BATTERY (12 VOLTS)

Capacity (Ampere-hours @ 20-Hour Rate)	Standard Battery		Optional Battery		Number of Plates	Standard Battery		Optional Battery	
	6-cyl.	8-cyl.	6-cyl.	8-cyl.		54	66	66	78
	45	55	70	80	Ground Terminal Polarity	Negative	Negative	Negative	Negative

FUSES AND CIRCUIT BREAKERS

	Location	Protective Device Number		Location	Protective Device Number
Radio	Fuse Panel	SFG-14	Tail, Stop, Park, License Lamps	In Light Switch	15 Amp.
Clock	Fuse Panel	3AG-7.5	Turn Signal	On Flasher	Integral
Back-Up Lights	Fuse Panel	SFG-14	Windshield Wiper Motor	In Wiper Switch	Integral
Heater Fan	Fuse Panel	SFG-14	Convertible Top Motor	On Starter Relay	20 Amp.
Instrument Panel	Fuse Panel	1AG-2.5	Glove Box Lamp	Fuse Panel	3AG-7.5
Emergency Warning Lights	Fuse Panel	AGX-20	Luggage Compartment Lamp	Fuse Panel	3AG-7.5
Headlamps	In Light Switch	12 Amp.	Transmission Indicator Lamp	Fuse Panel	1AG-2.5
Horns	In Light Switch	15 Amp.			
Station Wagon Tailgate Window Motor	On Starter Relay	20 Amp.			

TIRE PRESSURES

	Pounds per Square Inch (Cold)*	
	Front	Rear
Sedan and Convertible	24	24
Station Wagon, Ranchero and Sedan Delivery	24	28‡

‡30 for 6 cyl. Ranchero Sedan Delivery.

*For considerable high speed driving or heavy loads add 4-6 pounds to recommended cold pressure.

LUBRICATION SPECIFICATIONS

Item	Ford Part Number	Part Name	Item	Ford Part Number	Part Name
Body Hinges	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Rear Axle		
Brake Master Cylinder	R103-A (B7AZ-19542-A)	Rotunda Heavy Duty Brake Fluid	Equa-Lock Axles (use 1 oz. per pint of C1AZ-19580—E or F)	C1AZ-19580-E or F C1AA-19B546-A	FoMoCo Hypoid Gear Lubricant Equa-Lock Additive
Engine Crankcase Oil		MS sequence-tested SAE 10W-30 above—10° F. 5W-20 for sustained temperature below—10° F.	Steering Gear Housing (Manual or Power)	C3AZ-19578-A	Lifetime Steering Gear Grease
Engine Oil Filter	R1-A (C1AZ-6731-A)	Rotunda Oil Filter 6000 mile type	Steering—Power (Pump Reservoir)	R106-A (C1AZ-19582-A)	Rotunda Automatic Transmission Fluid
Front Suspension Ball Joints	C1AZ-19590-B	FoMoCo Ball Joint Grease	Convertible Top Reservoir	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Hood Latch and Safety Catch	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Transmission (Automatic)	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Lock Cylinders	R117-A (B4A-19587-A)	Rotunda Lock Lubricant	Transmission (Manual Shift)	C3RZ-19C547-B	Rotunda Manual Transmission Lubricant
			Universal Joints	C1AZ-19586-B	FoMoCo Universal Joint Lubricant
			Front Wheel Bearings	C2AZ-19585-A	FoMoCo Wheel Bearing Grease



1965 THUNDER



IDENTIFICATION

The warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear face of the left door inner panel. The official Vehicle Identification Number for title and registration purposes is stamped on a tab at the right side of the dash panel near the hood hinge.

GENERAL DIMENSIONS

Wheelbase	113 inches	Over-all Width	77 inches
Tread:		Over-all Height (with Design Load)	
Front	61 inches	Hardtop	52.5 inches
Rear	60 inches	Hardtop-Landau	52.6 inches
Over-all Length	205.4 inches	Convertible	53.6 inches

APPROXIMATE REFILL CAPACITIES

	U. S. Measure	Imperial Measure		U. S. Measure	Imperial Measure
Fuel Tank:			Cruise-O-Matic		
Car	21½ gal.	18 gal.	Transmission	11 qts.	9 qts.
Cooling System	20 qts.*	16½ qts.	Rear Axle:	5 pts.	4 pts.
*Includes 1 quart for heater					
Engine Crankcase:	6 qts.†	5 qts.†			

†Includes 1 quart with filter replacement.

ENGINE

Taxable Horsepower	390 CID V-8
Displacement	52.49
Bore & Stroke (inches)	390
Compression Ratio	4.05 x 3.78
Brake Horsepower	10.1:1
Maximum Torque (Foot-Pounds)	300 @ 4600 rpm
Valve Lifters	427 @ 2800 rpm
Carburetor	Hydraulic
Fuel	4 venturi
Firing Order	Premium
Spark Plugs	1-5-4-2-6-3-7-8
Spark Gap Width	B8A-12405-A
Distributor Point Gap	0.032"-0.036"
Conventional System	0.014"-0.016"
Transistorized System	0.019-0.021"
Ignition Timing	6°

Ignition timing requirements may vary depending upon locality, fuel, and operating conditions. For best economy and performance, the timing may be advanced to a point just short of audible detonation under load but not to exceed 5° over normal setting. Do not retard the initial advance beyond 2° BTDC for sub-standard fuels.

LIGHTS (12 VOLTS)

	Wattage or Candlepower	Lamp Number		Wattage or Candlepower	Lamp Number
Headlights:			Luggage Compartment	6 cp	631
No. 1 Inner	37.5 watts	4001	Courtesy Light		
No. 2 Outer	50-37.5 watts	4002	(Door Mounted)	15 cp	1004
Parking and Front			Parking Brake Indicator	2 cp	1895
Turn Indicator	4-32 cp	1157A	Radio Dial AM	1.9 cp	1891
Stop, Tail and Rear			AM-FM	.75 cp	1892
Turn Indicator	4-32 cp	1157	High Beam Indicator	2 cp	1895
Back-Up	32 cp	1076	Oil Pressure Gauge	3 cp	1816
License Plate	4 cp	1155	Charge Gauge	3 cp	1816
Pillar Light	15 cp	1003	Fuel and Temperature		
Map Light	6 cp	631	Gauge	3 cp	1816
Speedometer & Odometer	2 cp	1895	Ignition Key Switch	1.5 cp	1445
Interior Turn Indicator	2 cp	1895G	Windshield Wiper Control	2 cp	1895
Fender Mount Turn			Heater Control Panel	2 cp	1895
Indicator	1 cp	53	Cruise-O-Matic		
Clock	3 cp	1816	Selector Dial	1.5 cp	1445
Dome Light	15 cp	1003			

BIRD SPECIFICATIONS

BATTERY (12 VOLTS)

	Standard Battery	Optional Battery		Standard Battery	Optional Battery
Capacity (Ampere-hours @ 20-Hour Rate).....	55	66	Ground Terminal	Negative	Negative
Number of Plates.....	80	78	Polarity.....	Negative	Negative

FUSES AND CIRCUIT BREAKERS

	Location	Protective Device Number		Location	Protective Device Number
Radio.....	Fuse Panel on R. H. Cowl	SFE-7.5	Windshield Washer Pump.....	Fuse Panel on R. H. Cowl	SFE-7.5
Clock.....	Fuse Panel on R. H. Cowl	1AG-2 or AGA-2	Lighter (Circuit).....	Fuse Panel on R. H. Cowl	3AG-15 or AGC-15
Turn Indicator Lights.....	Fuse Panel on R. H. Cowl	CB-15 Amp.	Lighter (Socket).....	Back of Socket	CB (Reset)
Heater Fan.....	Fuse Panel on R. H. Cowl	CB-20 Amp.	Instrument Panel Light.....	Fuse Panel on R. H. Cowl	SFE-6 Amp.
Parking and Rear Lights.....	Fuse Panel on R. H. Cowl	CB-12 Amp.	Taillight, Parking and License...	Fuse Panel on R. H. Cowl	CB-12 Amp.
Stop Lights.....	Fuse Panel on R. H. Cowl	CB-15 Amp.	Dome and Courtesy.....	Fuse Panel on R. H. Cowl	SFE-14 Amp.

TIRE PRESSURES

	Pounds per Square Inch (Cold)*	
	Front	Rear
All Models.....	24*	24*

*For considerable high-speed driving or for heavy loads, add 4 pounds to the recommended cold pressure.

LUBRICATION SPECIFICATIONS

Item	Ford Part Number	Part Name	Item	Ford Part Number	Part Name
Body Hinges.....	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Rear Axle		
Brake Master Cylinder.....	R103-A (B7AZ-19542-A)	Rotunda Heavy Duty Brake Fluid	Equa-Lock Axles (use 1 oz. per pint of C1AZ-19580—E or F).....	C1AZ-19580-E or F C1AA-19B546-A	FoMoCo Hypoid Gear Lubricant Equa-Lock Additive
Engine Crankcase Oil.....		MS sequence-tested SAE 10W-30 above—10° F. 5W-20 for sustained temperature below—10° F.	Steering Gear Housing (Manual or Power).....	C3AZ-19578-A	Lifetime Steering Gear Grease
Engine Oil Filter.....	R1-A (C1AZ-6731-A)	Rotunda Oil Filter 6000 mile type	Steering—Power (Pump Reservoir).....	R106-A (C1AZ-19582-A)	Rotunda Automatic Transmission Fluid
Front Suspension Ball Joints.....	C1AZ-19590-B	FoMoCo Ball Joint Grease	Convertible Top Reservoir.....	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Hood Latch and Safety Catch.....	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Transmission (Automatic).....	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Lock Cylinders.....	R117-A (B4A-19587-A)	Rotunda Lock Lubricant	Transmission (Manual Shift).....	C3RZ-19C547-B	Rotunda Manual Transmission Lubricant
			Universal Joints.....	C1AZ-19586-B	FoMoCo Universal Joint Lubricant
			Front Wheel Bearings.....	C2AZ-19585-A	FoMoCo Wheel Bearing Grease



1965 MUSTANG



IDENTIFICATION

The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear face of the left front door. The official Vehicle Identification Number for registration purposes is stamped on the left fender apron in the engine compartment.

GENERAL DIMENSIONS

Wheelbase.....	108 inches	Over-all Length	
Tread:		All Models.....	181.6 inches
Front 6 cyl.....	55.4 inches	Over-all Width.....	68.2 inches
8 cyl.....	56 inches		
Rear.....	56 inches		

APPROXIMATE REFILL CAPACITIES

	U. S. Measure	Imperial Measure		U. S. Measure	Imperial Measure
Fuel Tank:			4-speed		
Car.....	16 gal.	12.8 gal.	6-cyl.....	4½ pts.	3¾ pts.
Cooling System			8-cyl.....	4 pts.	3¼ pts.
6 cyl.*.....	9.5 qts.	7.6 qts.	Automatic		
8 cyl.*.....	14.5 qts.	11.6 qts.	6-cyl.....	7½ qts.	6¼ qts.
*Includes 1 quart for heater			8-cyl.....	8½ qts.	7 qts.
Engine Crankcase:			Rear Axle:		
6 cyl. †.....	4.5 qts.	3.6 qts.	6-cyl.....	2½ pts.	2 pts.
8 cyl. †.....	5.0 qts.	4.0 qts.	8-cyl.....	4½ pts.	3¾ pts.
†Includes 1 quart for filter replacement.			8-cyl. 289 4-V H.P.....	5 pts.	4 pts.
Transmission:					
3-speed					
6-cyl.....	2½ pts.	2 pts.			
8-cyl.....	3½ pts.	3 pts.			

ENGINES

	200 CID Six	289 CID 2-V V-8	289 CID 4-V V-8	289 CID 4-V Hi-Perf. V-8
Type.....	6-cyl. in-line OHV	8-cyl. 90° V OHV	8 cyl. 90° V OHV	8-cyl. 90° V OHV
Displacement.....	200 cu. in.	289 cu. in.	289 cu. in.	289 cu. in.
Bore & Stroke (inches).....	3.68 x 3.13	4.00 x 2.87	4.00 x 2.87	4.00 x 2.87
Compression Ratio.....	9.2:1	9.3:1	10.0:1	10.0:1
Brake Horsepower.....	120 @ 4400 rpm	200 @ 4400 rpm	225 @ 4800 rpm	271 @ 6000 rpm
Maximum Torque (Foot-Pounds).....	190 @ 2400 rpm	282 @ 2400 rpm	305 @ 3200 rpm	312 @ 3400 rpm
Valve Lifters.....	Hydraulic	Hydraulic	Hydraulic	Solid
Carburetor.....	Automatic Choke, single-venturi	Automatic Choke, 2-venturi	Automatic Choke, 4-venturi	Manual Choke, 4-venturi
Fuel.....	Regular	Regular	Premium	Super Premium
Firing Order.....	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Spark Plugs.....	B7A-12405-B	B8A-12405-A	COAZ-12405-A	COAZ-12405-A
Spark Gap Width.....	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Distributor Point Gap.....	0.024"-0.026"	0.014"-0.016"	0.014"-0.016"	0.014"-0.016"
Ignition Timing				
Std. Transmission.....	6°	6°	6°	6°
Auto. Transmission.....	12°	6°	6°	6°

Ignition timing requirements may vary depending upon locality, fuel, and operating conditions. For best economy and performance, the timing may be advanced to a point just short of audible detonation under load but not to exceed 5° over normal setting. Do not retard the initial advance beyond 2° BTDC for sub-standard fuels.

TIRE PRESSURES

	Pounds per Square Inch (Cold)*	
	Front	Rear
Hardtop and Convertible*.....	24	24
Super Sports Tire.....	34	30

*For considerable high-speed driving or heavy loads, add 4-6 pounds to recommended cold pressure.

SPECIFICATIONS

BATTERY (12 VOLTS)

	Standard Battery		Optional Battery	
	6-cyl.	8-cyl.	6-cyl.	8-cyl.
Capacity (Ampere-hours @ 20-Hour Rate).....	40	55	55	65
Number of Plates.....	54	54	54	66

FUSES AND CIRCUIT BREAKERS

	Location	Protective Device Number		Location	Protective Device Number
Radio.....	Fuse Panel on Left Side Cowl	SFE-14	Air Conditioner.....	Cartridge in Power Feed Wire	AGC-15
Instrument Lights.....	Fuse Panel on Left Side Cowl	AGA-2.5	Spotlight.....	Cartridge in Power Feed Wire	SFE-7.5
Turn Indicator and Back-Up Lights.....	Fuse Panel on Left Side Cowl	SFE-14	Windshield Washer Pump.....		SFE-7.5
Heater Fan.....	Fuse Panel on Left Side Cowl	SFE-14	Headlights.....	In Lights Switch	12 Amp.
Lights—Parking, Rear and Rear License.....	Fuse Panel on Left Side Cowl	AGC-15	Windshield Wiper Motor Single Speed.....	In Wiper Switch	5 Amp.
Dome, Courtesy and Console.....	Fuse Panel	SFE-7.5	2-Speed.....	In Wiper Switch	12 Amp.
			Convertible Top.....	On Starter Relay	20 Amp.
			Cigar Lighter.....	Attached to Lighter Socket	Reset

LIGHTS (12 VOLTS)

	Wattage or Candlepower	Lamp Number		Wattage or Candlepower	Lamp Number
Headlights.....	50-40 watts	6012	Courtesy Light (Under Instrument Panel).....	6 cp	631
Parking and Front Turn Indicator.....	32-4 cp	1157	Courtesy Light (Console).....	1.5 cp	1445
Stop, Tail and Rear Turn Indicator.....	32-4 cp	1157	Parking Brake Indicator.....	1 cp	257
Back-Up.....	21 cp	1142	Radio Dial.....	1.9 cp	1891
License Plate.....	4 cp	1155	All Instrument Panel Bulbs Unless Otherwise Indicated.....	2 cp	1895
Spotlight.....	30 watt	4405			

LUBRICATION SPECIFICATIONS

Item	Ford Part Number	Part Name	Item	Ford Part Number	Part Name
Body Hinges.....	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Rear Axle		
Brake Master Cylinder.....	R103-A (B7AZ-19542-A)	Rotunda Heavy Duty Brake Fluid	Equa-Lock Axles (use 1 oz. per pint of C1AZ-19580—E or F).....	C1AZ-19580-E or F C1AA-19B546-A	FoMoCo Hypoid Gear Lubricant Equa-Lock Additive
Engine Crankcase Oil.....		MS sequence-tested SAE 10W-30 above—10° F. 5W-20 for sustained temperature below—10° F.	Steering Gear Housing (Manual or Power).....	C3AZ-19578-A	Lifetime Steering Gear Grease
Engine Oil Filter.....	R1-A (C1AZ-6731-A)	Rotunda Oil Filter 6000 mile type	Steering—Power (Pump Reservoir).....	R106-A (C1AZ-19582-A)	Rotunda Automatic Transmission Fluid
Front Suspension Ball Joints.....	C1AZ-19590-B	FoMoCo Ball Joint Grease	Convertible Top Reservoir.....	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Hood Latch and Safety Catch.....	R138-B (C4AZ-19584-A)	Lifetime Body Grease	Transmission (Automatic).....	C1AZ-19582-A	Rotunda Automatic Transmission Fluid
Lock Cylinders.....	R117-A (B4A-19587-A)	Rotunda Lock Lubricant	Transmission (Manual Shift).....	C3RZ-19C547-B	Rotunda Manual Transmission Lubricant
			Universal Joints.....	C1AZ-19586-B	FoMoCo Universal Joint Lubricant
			Front Wheel Bearings.....	C2AZ-19585-A	FoMoCo Wheel Bearing Grease



ENGINES

Ford Division offers nine engines for 1965—three Sixes and six V-8's. There is one new engine—the 240 CID Six; and one engine that has been extensively re-engineered—the 200 CID Six. In addition, a premium fuel version of the 289 CID 4-V V-8 has been added. The

144 CID Six and 260 CID V-8 have been discontinued for 1965.

Several changes have been made in all engines for 1965 as part of Ford's policy of continuous improvement aimed at increasing owner satisfaction and prolonging engine life.

195° THERMOSTAT—This thermostat starts to open at 195° and replaces the 190° thermostat used last year. It increases both engine and heater efficiency. In addition, the higher engine temperature retards the formation of sludge and acids for increased engine life.

CRANKCASE EMISSION CONTROL VALVE—The new control valve is designed to have a linear flow for more efficient operation under all operating conditions. It features a "jiggle-pin" which floats within a confined area to help keep the valve orifice free from contamination.

COMPRESSION RINGS—The compression rings are of low-tension design manufactured from a new molybdenum-alloy cast iron. Their more positive sealing characteristics decrease blowby and provide longer cylinder wall and ring life.

ALTERNATOR—A new Ford-designed alternator is standard equipment on all models. The alternator increases efficiency of the lighting and ignition systems and provides more positive battery charging, especially at low engine speeds. It is completely sealed from dust and dirt and requires no lubrication.

ALTERNATOR AND WATER PUMP BELTS—All belts feature Dacron thread construction and improved rubber composition. The new belts are less subject to stretching and permit increased tension, virtually eliminating belt "squeal".

170 CID SIX



Introduced in 1962, the 170 CID Six has compiled an enviable record in reliability and economical operation. Falcon car and Falcon bus owners can now enjoy the time-proven benefits of this engine as standard equipment plus several new advantages for 1965.

- **AUTOMATIC CHOKE**—Positive closing-type with greater sensitivity to choking requirements on partially warm starts is standard.
- **HIGHER COMPRESSION RATIO**—Raised to 9.1 for more efficient operation. The 170 CID engine still operates on regular fuel.
- **VALVES AND CAMSHAFT**—Valves have been increased in size for more efficient breathing. New camshaft timing and lobe contour for smoother operation and more middle-range power are other advantages.

BASIC SPECIFICATIONS

Type	6-cylinder, in-line, overhead valve
Displacement	170 cu. in.
Bore and Stroke (inches)	3.50 x 2.94
Compression Ratio	9.1 to 1
Brake Horsepower at 4400 rpm	101
Maximum Torque at 2400 rpm (lbs.-ft.)	156
Valve Lifters	Hydraulic
Carburetor	Automatic Choke, single-venturi
Fuel	Regular

1965 ENGINES continued

Introduced with the 1963½ models, the 200 CID Six has been extensively redesigned for 1965. In addition, it is now available with three-speed manual transmissions in all applications. New features for 1965 are:

- **SEVEN MAIN BEARING CRANKSHAFT**—The additional three bearings increase crankshaft support and block rigidity for smoother operation and longer life.
- **INTAKE AND EXHAUST VALVES**—The intake and exhaust valves have been increased to 1.62" and 1.36" respectively.
- **CAMSHAFT**—A new camshaft with increased lift and revised timing, in combination with the larger valves, has increased the power rating from 116 to 120 horsepower.
- **CYLINDER HEAD**—The water jacketing around the valves has been revised for better cooling and longer valve life.
- **OIL PUMP**—A new larger oil pump has been designed to increase the efficiency of the lubrication system.
- **AUTOMATIC CHOKE**—Positive closing type with greater sensitivity to choking requirements on partially warm starts. Replaces the manual choke.
- **COMPRESSION RATIO**—The compression ratio has been raised from 8.7 to 9.2. Regular fuel is still used, however.

The all-new 240 CID Six is the standard base engine for the 1965 Ford Custom and Ford Galaxie 500 models. The 240 Six replaces the 223 CID Six used previously. The advancement of Ford's lightweight precision casting techniques and improved designs in many areas have produced an engine that is approximately 50 pounds lighter, more powerful, more durable, quieter, smoother running, and more economical to operate than its predecessor. Features of the 240 CID Six are:

- **CYLINDER BLOCK**—A new casting with 4.48" bore spacing and seven main bearings.
- **CYLINDER HEAD**—Angle valve arrangement and wedge-type combustion chambers. Rocker arms are individually mounted.
- **CRANKSHAFT**—Nodular cast iron with semi power-pound counterweights for smoother operation. The rear oil seal is a new, one-piece, more positive sealing type which seats on the flywheel mounting flange O.D.
- **FLYWHEEL**—New design to accommodate 9.5" and 11.0" clutches. Ring gear has a 14.1 pitch diameter for reduced wear.
- **CRANKSHAFT DAMPER**—New design with the belt drive groove in the inertia member.
- **OIL PUMP**—New rotor-type design with a 5/16" hex drive.
- **WATER PUMP**—New design of cast iron material. Requires no slinger on the pump shaft.
- **EXHAUST MANIFOLD**—Incorporates an improved design exhaust control valve.
- **CARBURETOR**—Single-venturi with positive closing type automatic choke that has greater sensitivity to choking requirements on partially warm starts.
- **CAMSHAFT DRIVE**—Gear-type drive. Crankshaft gear is cast iron, and the camshaft gear is fiber.

The 289 CID engine is the base optional V-8 on the Mustang, Falcon, Fairlane and Ford. The intake system has been modified to increase economy and top end performance. These modifications include more streamlined air intake passages, revised carburetor and distributor calibration, and a change in the valve timing and increased compression ratio. Regular fuel is still used.

200 CID SIX



BASIC SPECIFICATIONS

Type	6-cylinder, in-line, overhead valve
Displacement	200 cu. in.
Bore and Stroke (inches)	3.68 x 3.13
Compression Ratio	9.2 to 1
Brake Horsepower at 4400 rpm	120
Maximum Torque at 2400 rpm (lbs.-ft.)	185
Valve Lifters	Hydraulic
Carburetor	Automatic Choke, single-venturi
Fuel	Regular

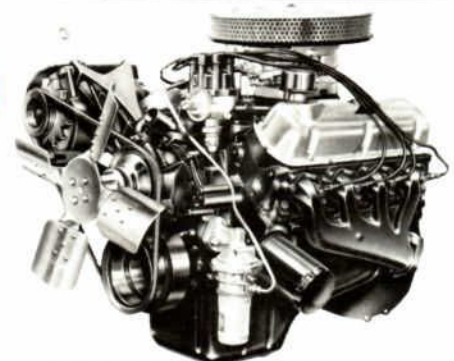
240 CID SIX



BASIC SPECIFICATIONS

Type	6-Cylinder, in-line, overhead valve
Displacement	240 cu. in.
Bore and Stroke (inches)	4.00 x 3.18
Compression Ratio	9.2 to 1
Brake Horsepower at 4000 rpm	150
Maximum Torque at 2200 rpm (lbs.-ft.)	234
Valve Lifters	Hydraulic
Carburetor	Automatic choke, single-venturi
Fuel	Regular

289 CID 2-V V-8

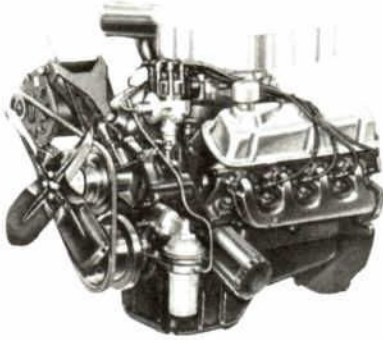


BASIC SPECIFICATIONS

Type	8-cylinder, 90°V, overhead valve
Displacement	289 cu. in.
Bore and Stroke (inches)	4.00 x 2.87
Compression Ratio	9.3 to 1
Brake Horsepower at 4400 rpm	200
Maximum Torque at 2400 rpm (lbs.-ft.)	282
Valve Lifters	Hydraulic
Carburetor	Automatic Choke, 2-venturi
Fuel	Regular

1965 ENGINES continued

289 CID 4-V V-8

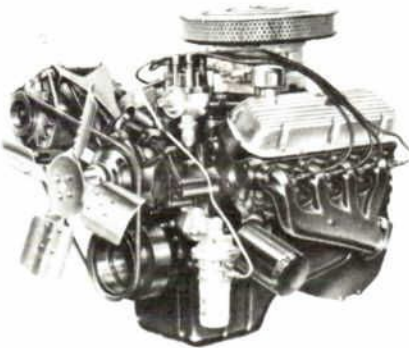


This engine is a new offering for the Mustang and Fairlane. With its rating of 225 horsepower it provides an ideal power option between the base 289 and the high performance 289 CID engine. The 289 4-V is identical to the base 289 V-8 except for the 4-venturi carburetor, increased compression ratio, dual exhaust system, different valve timing and the use of premium grade fuel.

BASIC SPECIFICATIONS

Type	8-cylinder, 90°V, overhead valve
Displacement	289 cu. in.
Bore and Stroke (inches)	4.00 x 2.87
Compression Ratio	10.1 to 1
Brake Horsepower at 4800 rpm	225
Maximum Torque at 300 rpm (lbs.-ft.)	295
Valve Lifters	Hydraulic
Carburetor	Automatic choke, 4-venturi
Fuel	Premium

289 CID HIGH PERFORMANCE V-8

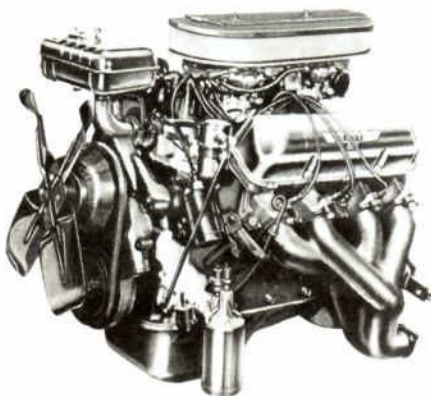


This engine continues to provide the maximum available power for the Mustang and Fairlane cars. It features all of the basic changes made in the 1965 engines line.

BASIC SPECIFICATIONS

Type	8-cylinder, 90°V, overhead valve
Displacement	289 cu. in.
Bore and Stroke (inches)	4.00 x 2.87
Compression Ratio	10.5 to 1
Brake Horsepower at 6000 rpm	271
Maximum Torque at 3400 rpm (lbs.-ft.)	312
Valve Lifters	Solid
Carburetor	Manual Choke, 4-venturi
Fuel	Premium

352, 390, 427 CID V-8's



The 250 horsepower 352, the 300 horsepower 390 and the 425 horsepower 427 comprise the large-engine family of Ford Division cars. The 390 CID V-8 is standard equipment and the only engine available with the Thunderbird. All three engines are optional on the Ford. These engines feature the same improvements as the smaller engines—195° thermostat . . . new crankcase . . . new alternator, etc.—plus a positive engagement starter. This starter engages less forcefully at a lower rpm and has greater resistance to "kick-out" on false starts.

BASIC SPECIFICATIONS

	"352"	"390"	"427"
Type	8-Cylinder, 90°V, overhead valve		
Displacement (cu. in.)	352	390	427
Bore and Stroke (inches)	4.00 x 3.50	4.05 x 3.78	4.23 x 3.78
Compression Ratio	9.3 to 1	10.1 to 1	11.2 to 1
Brake Horsepower at RPM	250 at 4400	300 at 4600	425 at 6000
Max. torque at rpm (lbs.-ft.)	352 at 2800	427 at 2800	480 at 3700
Valve Lifters	Hydraulic	Hydraulic	Solid
Carburetor	4-venturi	4-venturi	Two 4-venturi
Choke	Automatic	Automatic	Automatic
Fuel	Regular	Premium	Super Premium

1965 TRANSMISSIONS

SIX-CYLINDER CRUISE-O-MATIC

All six-cylinder engines in all car lines can now be obtained with Ford's ultra-smooth three-speed Cruise-O-Matic transmission. It replaces the two-speed Fordomatic transmission that was used in the Falcon and Fairlane car lines last year. The additional forward speed ratio provides increased acceleration, passing kick-down at higher road speed, a choice of 1st or 2nd gear starts, and improved economy.

The six-cylinder Cruise-O-Matic is a lightweight unit that has a precision-cast aluminum converter housing and transmission case enclosing the three-element torque converter and two planetary gear sets. Two clutches, two bands, and a one-way clutch are used to achieve gear changes.

The gear selector has six positions, P, R, N, D1, D2, and L. D1 is normal driving range and offers the performance of the three forward gears. D2 offers 2nd gear starts for reduced wheel spin on slippery surfaces. When in D2, the transmission will upshift to 3rd gear at the normal shift point. L prevents upshifts out of first gear and also can be used to advantage for engine braking. Moving the gear selector to L while moving will down-shift the transmission to 2nd or 1st gear, depending on car speed.

The vacuum-controlled throttle-valve used with the Cruise-O-Matic has two major advantages. It tailors shifting to driver demand and engine torque, preventing premature upshifts and allowing smooth downshifts without flooring the accelerator pedal. Also, it eliminates the need to adjust throttle valve linkage or the possibility of maladjustment. The vacuum throttle valve mechanism is preset and does not require adjustment.



THREE-SPEED, OVERDRIVE AND FOUR-SPEED MANUAL TRANSMISSIONS

These transmissions are available with the various engines in the different car lines as shown in the Power Team Chart (page 16).

EIGHT-CYLINDER CRUISE-O-MATIC

Cruise-O-Matic is now available with the smaller V-8 engines in the Falcon and Fairlane lines, replacing the two-speed Fordomatic. This provides Cruise-O-Matic coverage for all engines in all cars except for the High-Performance V-8's in the Mustang and Ford.

1965 REAR AXLES

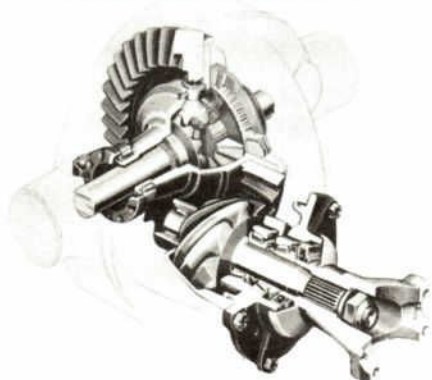
LIMITED-SLIP DIFFERENTIAL

The optional limited-slip differential is available with all engines except the "427" High-Performance engine in the Ford line. If there are uneven traction conditions, the built-in clutch plates in the differential transfer part of the usable driveshaft torque to the wheel with the better traction. Thus, the car is much more likely to get under way because the usable traction is fully utilized.

The new design limited-slip differential features three clutch plates, instead of two as in previous designs, and offers longer life and more efficient operation.

Except for a change in available ratios, the rear axles will remain unchanged in design for 1965. There are two types of rear axles, one for six-cylinder Mustangs and Falcons and one for all other applications. The six-cylinder Mustang and Falcon rear axle has an overhung design pinion shaft with two tapered roller bearings ahead of the gear, plus a differential housing of cast iron solidly welded to pressed-in steel axle housings.

The other type of rear axle features a straddle-mounted pinion shaft with two tapered roller bearings ahead of the gear, PLUS a roller bearing behind the gear. With this type of axle the differential carrier and drive gear assembly is a separate unit bolted to the front side of the housing.



1965 POWER TEAMS

Car Line	ENGINES	TRANSMISSIONS					AXLE RATIOS-PASSENGER CARS				AXLE RATIOS-STATION WAGONS		
	Displacement (cu. in.)	Type of Fuel	3-Speed Manual	Overdrive	4-Speed Manual **	Cruise- O-Matic	3-Speed Manual	Overdrive	4-Speed Manual	Cruise- O-Matic	3-Speed Manual	Overdrive	Cruise- O-Matic
MUSTANG	200 1-V Six	Reg.	Std.	N/A	Opt.	Opt.	3.20†	—	3.20†	2.83†	—	—	—
	289 2-V V-8	Reg.	Std.	N/A	N/A	Opt.	2.80†	—	2.80†	2.80†	—	—	—
	289 4-V V-8	Prem.	N/A	N/A	Opt.	Opt.	3.00†	—	3.00†	3.00†	—	—	—
	289 Hi-Perf V-8	Prem.	N/A	N/A	Opt.	N/A	—	—	3.89† *4.11 *3.50	—	—	—	—
FALCON	170 1-V Six	Reg.	Std.	N/A	N/A	Opt.	(a) 2.83 *3.20†	—	—	(a) 2.83 *3.20†	3.20 *3.50†	—	3.20 *3.50†
	200 1-V Six	Reg.	Std.	N/A	N/A	Opt.	(a) 3.20†	—	—	(a) 2.83†	3.20 *3.50†	—	2.83
	289 2-V V-8	Reg.	Std.	N/A	Opt.	Opt.	2.80†	—	2.80†	2.80	2.80†	—	2.80†
FAIRLANE	200 1-V Six	Reg.	Std.	N/A	N/A	Opt.	3.25 *3.50†	—	—	2.80 3.25 3.00††	3.25 *3.50†	—	3.25 *3.50†
	289 2-V V-8	Reg.	Std.	Opt.	N/A	Opt.	3.00† *3.50	†3.50	—	2.80 *3.00†	3.25 *3.50†	*3.50†	2.80 *3.00†
	289 4-V V-8	Prem.	Std.	N/A	Opt.	Opt.	3.00 *3.50†	—	3.00 *3.50†	3.00†	3.25 *3.50†	—	3.00†
	289 Hi-Perf. V-8	Prem.	N/A	N/A	Opt.	Opt.	—	—	3.89 *4.11 *3.50	3.50 *3.89	—	—	—
FORD	240 1-V Six	Reg.	Std.	Opt.	N/A	Opt.	3.00 *3.25† *3.50† *3.89	3.50† *3.89	—	3.00 *3.25† *3.50† *3.89	3.25† *3.50† *3.89	3.50† *3.89	3.25† *3.50† *3.89
	289 2-V V-8	Reg.	Std.	Opt.	N/A	Opt.	3.00 *3.25† *3.50† *3.89	3.50† *3.89	—	3.00 *3.25† *3.50† *3.89	3.25† *3.50† *3.89	3.50† *3.89	3.00 *3.25† *3.50† *3.89
	352 4-V V-8	Reg.	Std.	N/A	N/A	Opt.	3.00 *3.25† *3.89	—	—	3.00† *3.50	3.25† *3.50 *3.89	—	3.00† *3.50
	390 4-V V-8	Prem.	Std.	Opt.	Opt.	Opt.	3.00 *3.25† *3.50† *3.89	3.50† *3.89	3.50† *3.89	3.00† *3.50	3.25† *3.50† *3.89	3.50† *3.89	3.00† *3.50
	427 8-V Hi-Perf V-8	Super Prem.	N/A	N/A	Opt.	N/A	—	—	3.50 *4.11	—	—	—	—
THUNDERBIRD	390 4-V V-8	Prem.	N/A	N/A	N/A	Std.	—	—	—	3.00† *3.50	—	—	—

* Optional ** 4-Speed manual or high performance engines not available on Station Wagons.
(a) Falcon convertibles equipped with 3-speed manual and Cruise-O-Matic use same axle ratios as Station Wagons.
† Also available with limited slip differential. †† Available with limited slip differential only.