

SHOP TIPS

FROM

Autolite



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SEPTEMBER, 1968



1969 ANNOUNCEMENT ISSUE INCLUDES: • Part Numbers • Model Identification
• Specifications • Maintenance Schedules
• Service Procedures



Mechanical Features

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Be sure and 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: Autolite-Ford Parts Division of Ford Motor Company, Merchandising Services Dept., P.O. Box 3000, Livonia, Michigan 48151.

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ENGINES

NEW 250 CUBIC INCH SIX—The 1969 engine story begins with the all-new 4.1 litre, 250 CID Six. Designed with emission control features as part of its basic concept, this new engine is exceptionally lightweight and efficient, with a nearly square bore-to-stroke ratio (3.68" to 3.91"). New engine mounts furnish much smoother operation from idle to full throttle. This engine is equipped with a "Hot-and-Cold" air cleaner system that senses the outside air temperature and selects either manifold-heated air or air directly from the outside for more efficient combustion. It's available on Mustang, Fairlane and Montego models.



All-New 250 CID Six

NEW 351 V-8—Precision-cast for strength in the manner developed for lightweight racing engines, the new 351 CID V-8 engine offers a weight advantage over competitive engines in the same displacement range. A completely new cylinder block design has been incorporated into the 351, as well as the features developed and proved in the other V-8's. This engine also has a new camshaft with lobes being repositioned for a new and unique firing order (1-3-7-2-6-5-4-8). The cam is not interchangeable into other engines because of this feature. The 351 CID is available on the Cougar, Montego, Mustang and Fairlane, with 2V and 4V carburetion.



All-New 351 CID V-8

and Service Procedures

428 COBRA JET V-8—The latest entry for the performance-car package is the 428 CID Cobra Jet V-8. High-performance cylinder heads, new "header"-type exhaust manifolds, a special 735 c.f.m. carburetor, and larger intake and exhaust ports are some of the features incorporated into this engine. The line features a "Non-Ram-Air" version that is standard on the Mustang Mach I, Fairlane Cobra, Cougar and the Comet Cyclone CJ models, and a "Ram-Air" version that is optional on these same lines. The "Ram-Air" feature consists of a fiberglass hood scoop and a special air cleaner assembly.

The Ram Air system allows outside air to be forced through the functional hood scoop and into the air cleaner during open throttle or heavy load conditions. During normal engine operation, air enters the air cleaner through the conventional duct and valve assembly only.

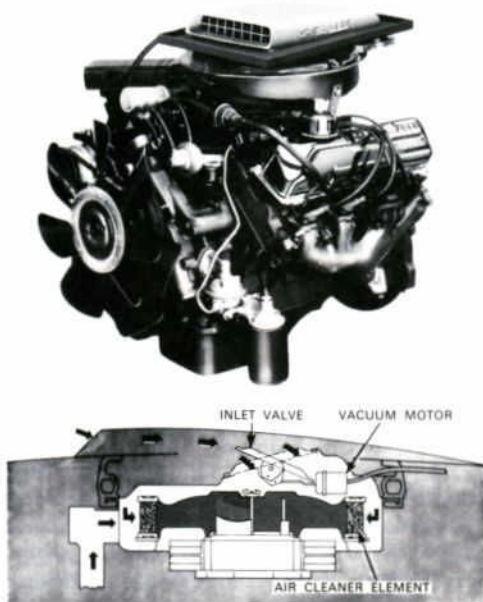
When the intake manifold vacuum drops to 4" Hg (such as during open throttle or heavy loads), the vacuum motor opens the ram air valve, allowing cooler air to be forced into the air cleaner directly from the hood air scoop, thereby producing greater horsepower.

To check the operation of the ram air valve, the valve should be in the open position with the engine off, or with the vacuum hose disconnected. The ram air valve should be in the closed position when the engine is operating at curb idle.

If the valve will not fully open or close, check for damage, valve binding, vacuum leaks or vacuum line disconnected.

To check the operation of the vacuum motor alone, connect the motor to a minimum vacuum of 7" Hg. The motor shaft should move to the fully withdrawn position. Replace the vacuum motor if normal operation cannot be accomplished.

Check the hood-to-air cleaner seal for all-around contact. Replace the seal, if distorted.



"Ram-Air" Version of 428 Cobra Jet V-8

ENGINE EMISSION CONTROL SYSTEMS

Closed Crankcase Ventilation System—The closed crankcase ventilation system is used on all 1969 engines to prevent the escape of fumes and/or combustion gases from the engine crankcase. This system involves several distinct steps.

- Clean air circulates from the air cleaner through the block to the crankcase.
- Circulating air picks up smog-producing vapors en route.
- Air and crankcase vapors pass through a control valve and hose to the intake manifold.
- Gases combine with the air-fuel mixture and are re-burned in the combustion chamber.
- A control valve modulates the system airflow to maintain the correct air-fuel mixture.

Improved Combustion (IMCO) System—Standard equipment on most 1969 engines, IMCO reduces the amount of hydrocarbons and carbon monoxide formed in the engine combustion chambers. Improved combustion is accomplished through new precision-calibrated carburetors, dual-carburetor intakes and design changes in the combustion chamber, intake system, exhaust manifold and camshaft. Standard equipment on all 1969 engines except the 427 CID 4V V8 and the 428 CID 4V V-8 engines, the two major functions of the IMCO systems are to:

PROMOTE MORE COMPLETE COMBUSTION, as well as the burning and oxidation of the air-fuel mixture in the combustion chambers.

PRODUCE THE MORE PRECISE LEAN MIXTURE CALIBRATION necessary for efficient emission control.

Thermactor System—Also developed by Ford to reduce engine exhaust emissions, the Thermactor system is used on all 1969 427 CID 4V V-8 and 428 CID 4V V-8 engines. The Thermactor exhaust emission control system uses an after-burning fresh-air system in the engine exhaust.

Fresh Air Injection—Pumped into the hot exhaust stream as it leaves the combustion chamber through exhaust valves, fresh air combines with the unburned carbon monoxide and hydrocarbons, completing the reduction of exhaust emissions.

Exhaust Gases—United chemically with oxygen in the fresh air supply, the exhaust gases form harmless carbon dioxide and water.

Major Components—Major components of the Thermactor system include a belt-driven air pump, check valves, rubber hoses, an air distribution manifold for each bank of cylinders and air injection tubes.

TRANSMISSIONS AND DRIVELINES

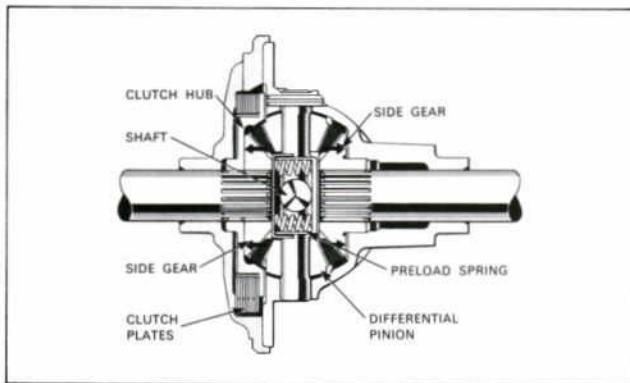
ALL MANUAL TRANSMISSIONS—On both the three-speed and four-speed manual transmissions, the drain plugs have been eliminated. In order to drain these transmissions, the lower extension housing-to-transmission bolts must be removed. Also, since the magnetic plug has also been elimi-

1969 Mechanical Features

nated, a magnetic disc has been welded to the inside bottom of the transmission case to collect metallic particles. This disc should be cleaned with kerosene or mineral spirits whenever the transmission is overhauled. Note: Some early models may have transmissions with drain plugs.

FMX AUTOMATIC TRANSMISSIONS—A new FMX automatic transmission has been released for 1969 Fairlane, Montego, Mustang, and Cougar models with the new 351 CID V-8. The service procedures are similar to last year, with some important changes. There are new rear band adjustments and new console-mounted neutral start switch adjustment and replacement procedures for Mustang and Cougar. In addition, there are new removal and installation procedures for the transmission and selector lever. These procedures will be covered in future Shop Tips.

TRACTION-LOK DIFFERENTIAL IMPROVED—COVERAGE BROADENED—A completely redesigned Traction-Lok differential has been released. Beneficial to family and performance car alike, Ford's all-new differential locks tighter in proportion to the driving torque applied. An increase in fixed load together with an improved clutch have greatly increased the life expectancy over previous systems. The new differential is available on Mustang, Cougar, Fairlane, Montego and Ranchero models with 351 4V, 390 4V or 428 4V engines, and F-100 trucks with 240 1V, 300 2V or 360 2V engines.



Traction-Lok Differential

NEW SPEEDOMETER GEAR RETENTION METHOD—On some 1969 transmissions, the speedometer drive gear is retained on the transmission output shaft by a spring clip retainer. This design replaces the lock ball and snap ring method used previously. To remove the speedometer gear from the transmission output shaft, depress the retainer clip tang until the gear can be slid off the shaft. To install the gear, place the retaining clip on the output shaft so that the lower tang is in the retaining hole. Align the groove in the speedometer gear with the retaining clip and slide the gear into position on the shaft.

AXLE SHAFT REPLACEMENT—FORD LIGHT DUTY—The Ford light duty (WER) axle has an O-ring added in the C-washer grooves on the inner end of each axle shaft. This O-ring is used to help retain the C-washer in its groove. The O-ring should be replaced whenever rear axle repairs are performed.

FORD AND MERCURY AXLE SHAFTS—The Ford and Mercury axle shafts are longer for 1969, to provide for a 2-inch increase in rear wheel tread. These new axle shafts are not interchangeable with previous model year axle shafts because of this increase in length.

REAR WHEEL BEARING REPLACEMENT—The 1969 Ford and Mercury wheel bearing removal and installation procedure is changed as follows. To remove the wheel bearing inner retainer ring from these axle shafts (except Ford light duty WER), first drill a 1/4" hole not more than 5/16" deep in the retainer ring surface; then follow the procedure (using a cold chisel) that is outlined in the present shop manual. Prior to installing the retainer on the axle shaft, the shaft journal and the inside diameter of the retainer should be wiped clean with a dry cloth. *These parts must not be degreased nor lubricated.* The rear wheel bearing retainer plate gasket is no longer used on Ford-built axles.

ELECTRICAL SYSTEMS

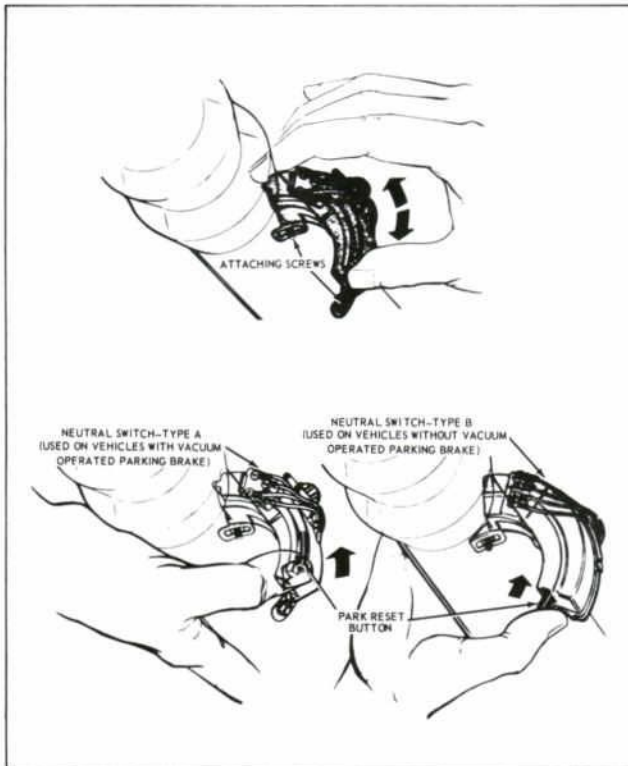
NEW SOLID-STATE VOLTAGE REGULATOR—The new voltage regulator is fully encased in high-temperature, thermo-setting plastic, and is mounted on the rear of the alternator. Improved reliability is gained by the use of this microelectric unit, through circuit simplicity. The regulator will maintain positive control over alternator output at all temperatures, thereby keeping the battery charged at the proper level. It is electronically calibrated prior to sealing, thus eliminating the necessity for further adjustment.



New and Old Voltage Regulators

NEW COLUMN-MOUNTED NEUTRAL START SWITCH—A new column-mounted neutral start switch has been released for 1969 applications. The main feature of the switch is that it can be fully adjusted without removing it from the column. There are two types of this new switch: A—for those vehicles equipped with a vacuum operated parking brake release; B—for those vehicles not so equipped. Both switches operate the same. Both switches are actuated by a removable steel lever, which is installed in the shifter tube within the steering column assembly. The following procedures outline the steps necessary to correctly adjust and replace the neutral start switch.

and Service Procedures



Adjusting Neutral Start Switch

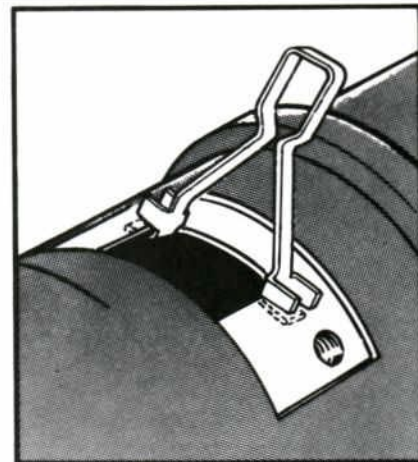
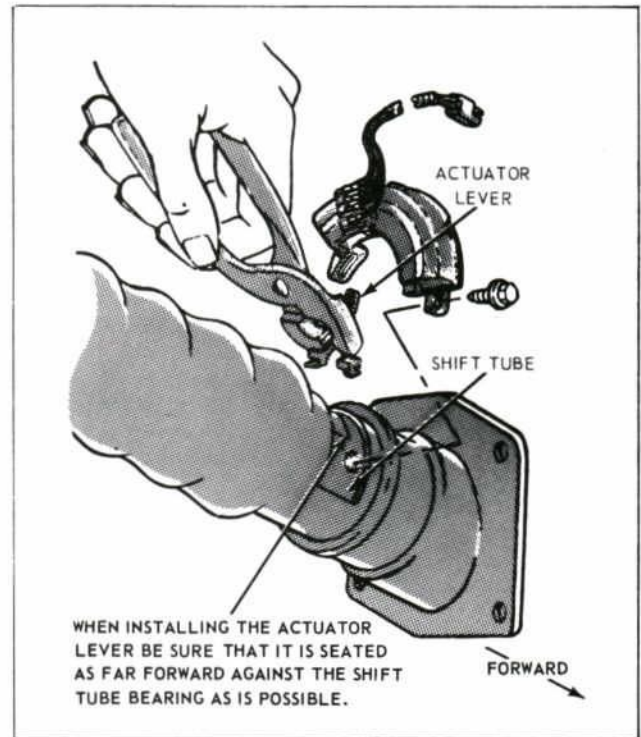
Switch Adjustment—Neutral Position—With the selector lever held lightly against the neutral stop, attempt to start the engine. If the engine starts while holding the lever but does not start when the lever is released, the switch must be adjusted. If the engine does not start in either position, adjust the switch.

To adjust the switch, place the transmission selector lever against the stop of the neutral detent position. Loosen the two retaining screws that locate the switch on the steering column. Rotate the switch until a start in the neutral position is obtained. Tighten the switch attaching screws to 20 inch-pounds torque. With the switch properly adjusted in neutral, place the selector lever in the "1" position and push the park reset button (see illustration) to the left until it stops. **THE PARK RESET MUST BE PERFORMED WHENEVER THE SWITCH HAS BEEN ADJUSTED.**

Switch Adjustment—Park Position—Place the selector lever in the park position, release the lever, and attempt to start the engine. If the engine does not start, reset the park position adjustment. Place the transmission selector lever in "1" and push the park reset button to the left until it stops. Check the operation of the neutral start switch in the park position.

Switch Replacement—Disconnect the neutral start switch wires at the plug connector. Disconnect the vacuum hoses, if equipped. Remove the mounting screws that hold the neutral start switch to the column, and lift the switch from the column. Before installing a new switch, check to see

that the red neutral position gauge pin is properly inserted in the neutral pinning hole. If the pin is missing, align the two holes at the neutral pinning hole on top of the switch and install a No. 43 drill or 0.092-0.093" gauge pin.



ACTUATOR LEVER INSTALLED

Removing or Installing Neutral Start Switch Actuator Lever

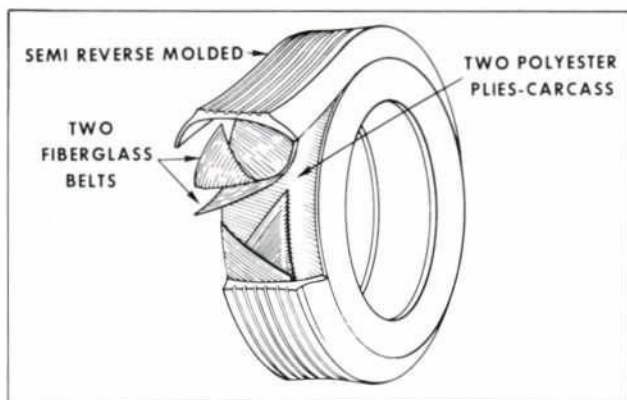
While holding the selector lever against the stop in the neutral detent position, place the switch on the column and install the two attaching screws. Tighten the screws to 20 in-lbs torque. Remove the gauge pin or drill that was used for alignment. Connect the switch wires to the plug connector and the vacuum hose, if equipped. Try for a neutral start of the engine. If the engine will not start, adjust as shown before. Also check the start-in-park position.

1969 Mechanical Features

TIRES

Bias-Belted Tires

In addition to the conventional Bias-ply construction tire, Ford Motor Company offers Wide Oval, Radial-ply and a new optional equipment Bias-belted tire on 1969 models. Belted tires achieve the soft ride and handling "feel" of bias-ply tires and the traction and durability of radial-ply tires by featuring a double belt of fiberglass over the bias-ply carcass of uniformly high strength polyester body cord (see illustration). This construction causes the tread to roll along the road like a belt, resisting the squirming that grinds away rubber. The result is a premium tire offering up to 50% greater tread life, up to 15% more traction than conventional tires, better puncture protection, cooler running, and excellent handling and cornering characteristics.



Bias-Belted Wide Tread

New Tire Chart

Original equipment tires on Ford Motor Company vehicles are designed to provide the best combination of reliability, traction, weight carrying ability, stability at high speeds, tread life, and riding comfort. To obtain this balance of performance, inflation pressures, load limits and weight distribution recommendations must be maintained. This information is readily available on a Tire Chart (see illustration) affixed to the glove box door except as follows: rear lock face of left front door on Lincoln Continental and Continental Mark III; rear face of right front door on Ford; lock pillar of driver's door on Thunderbird; and rear face of driver's door on Mustang.

MARK III RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD)				
TIRE SIZE	PRESSURE			
	FRONT		REAR	
STANDARD 8.55-15	26		25	
OPTIONAL 8.55-15 DUAL CHAMBER	OUTER CHAMBER 26		25	
	INNER CHAMBER 42		40	
FULL RATED (MAXIMUM) LOAD				
TOTAL LOAD = OCCUPANTS PLUS LUGGAGE				
MAXIMUM LOAD (LBS.)	TOTAL OCCUPANTS	DISTRIBUTION		
		FRONT	REAR	LUGGAGE
1050	6	3	3	160 LBS.
FOR SUSTAINED SPEEDS OVER 75 MPH OR TRAILER TOWING—SEE OWNER'S MANUAL				

Tire Chart

Ply Rating and Load Range

New tires have their type, size and load range molded on the outer sidewall. The new term "load range" indicates load carrying range, regardless of the number of layers of fabric or plies, at the maximum inflation pressure permitted for that tire under the Federal Motor Vehicle Safety Standards. It is expected that load range designations will eventually replace ply rating designations.

Total Load

Never exceed the "total load" given in the tire chart. To figure the load, add the actual weights of the driver, passengers, and luggage (both inside the car and on a roof rack), and tongue load if a trailer is towed. See trailer towing section for tongue loads. The total weight must never exceed the Full Rated (Maximum) Load shown in the tire chart. Within this limit, up to 100 lbs. of extra luggage may be carried in place of each passenger NOT carried in the rear seat. DO NOT exceed 450 lbs. in the front seat. If equipment is added after the car is bought, it must be included in figuring the total load.

Inflation Instructions For Safe Driving

Check Tire Pressures Frequently—The "cold" pressure (after car has been parked one hour and before driving more than 3 miles) must be as specified on the Tire Chart for the type, load range, and size tire on the car. It is normal for a hot tire to exceed the specified "cold" pressure. Do not let air out of a hot tire.

High Speed Driving—The car's tire inflation pressure specifications apply to driving speeds at and below 75 mph. Should special circumstances involve vehicle operation at sustained speeds (one hour or more) between 75 and 90 mph, increase the cold inflation pressure shown on the chart by 4 psi, being certain to maintain the recommended front to rear tire pressure differential and to stay at or below the maximum inflation pressure limit shown on the tire. If these pressure adjustments cannot be accomplished within these limits, do not drive over 75 mph.

Sustained driving speeds over 90 mph require the use of special high speed capability tires.

Snow Tires—Snow tires require a four pound increase in cold inflation pressure above the pressures recommended for rear tires on the tire chart. It may therefore be necessary to use Load Range "D" snow tires (with 40 psi inflation pressure) to avoid exceeding maximum permissible inflation pressures. For Trailer Towing or High Speed Driving, increase pressures by the amount shown under those headings, being certain to always maintain the recommended differential between front and rear tires.

Trailer Towing

All Models Except Station Wagons—For the tires listed on the tire chart, trailer tongue loads up to 100 lbs. for Thunderbird; 125 lbs. for Falcon, Mustang, and Cougar; 150 lbs. for Ford, Fairlane, Mercury, Montego, Lincoln Continental and Continental Mark III are permissible, providing the rear tire pressure is increased by 4 psi over that

and Service Procedures

shown on the tire chart and vehicle speed does not exceed 75 mph. **DO NOT EXCEED** the maximum inflation pressure (psi) molded on the tire side-wall.

Station Wagons with Load Range "B" Tires—For Load Range "B" tires listed on the tire chart, trailer tongue loads up to 200 lbs. may be used, provided that for each 50 lbs. of tongue load the combined luggage, cargo, third-seat-passenger and roof rack load is decreased by 80 lbs. below the limit shown in the tire chart and vehicle speed does not exceed 75 mph.

Stations Wagons with Load Range "D" Tires—For Load Range "D" tires listed on the tire chart, trailer tongue loads up to 200 lbs. are permissible, providing the rear tire pressure is increased by 4 psi over that shown on the Tire Chart and vehicle speed does not exceed 75 mph, **DO NOT EXCEED** the maximum inflation pressure (psi) molded on the tire side-wall.

NOTE: See a reputable trailer dealer for special equipment required for heavier tongue loads.

Tire Replacement

When a tread wear indicator appears as a solid band across the tread surface, it means that the tire should be replaced.

When replacing full sets of tires, do not install tires smaller or with less load capacity than the standard size shown in the "Tire Chart."

NEVER intermix radial ply, belted or conventional tires.

When replacing less than a full set of tires, be sure all replacement tires are the same size, type, and load carrying capacity as the other tires on the car. Load carrying capacity will be indicated in pounds on the sidewall of the tire. In addition, the term "Ply Rating" or "Load Range" may appear.

Space Saver Spare Tire

An optional Space Saver Spare on Cougars enables the driver to get to the nearest service facility for repairs to a punctured tire. The tire is not designed for extended mileage; therefore, it should not be used as a substitute for conventional tires.

Although the Space Saver Spare gives approximately 15% more luggage space, do not exceed the vehicle full rated load specification.

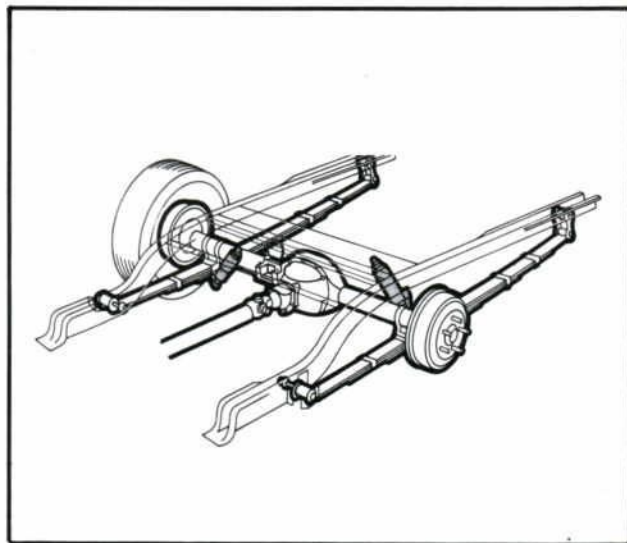
To inflate the Space Saver Spare, carefully follow instructions shown on the tire inflator carton. The inflator is stowed under the tire and wheel assembly in the trunk.

CAUTION: Use FoMoCo inflator Part No. C8ZA-19F514-A or equivalent. Tire warranty for the Space Saver Spare is the same as original equipment tires. This Warranty is void if inflators with sealants are used.

During inflation, keep hands off of metal parts of inflator since bottle becomes extremely cold during tire inflation. Always dispose of the empty can. Do not puncture or incinerate.

SUSPENSION

STAGGERED REAR SHOCK ABSORBERS—This new competition suspension is available with all 428 CID engines combined with four-speed manual transmissions. (Shocks are not staggered on automatic transmission models.) It is included as standard equipment with the Cobra Jet engine. The staggered shock arrangement is designed to control spring wind up and wheel hop experienced with the tremendous instantaneous torque application of these models. The left shock absorber is relocated to the rear of the axle, while the right shock absorber remains ahead of the axle. This arrangement directly restrains and damps out the pitching motions of the axle housing during full-throttle starts. Available on Mustang, Fairlane, Comet, and Cougar with performance options.



Staggered Shocks

IMPROVED NVH CHARACTERISTICS—1969 Ford and Mercury models incorporate variable-rate body mounts to isolate the body from the frame and minimize road noise and harshness. A new, larger volume muffler reduces the exhaust noise level without decreasing engine power output. Tubular weather stripping plus a re-designed body seam on the firewall are two further improvements which demonstrates Ford's ability to build quieter, smoother running cars.

1969 Mechanical Features

NEW DESIGN FEATURES

NEW FORD INSTRUMENT PANEL—In a dramatic departure from previous designs, the 1969 Ford instrument cluster is similar in appearance and function to an aircraft panel with all instruments and controls tightly grouped for easy driver reach and observation. The balance of the panel is swept sharply away, giving increased passenger room. The 1969 design integrates the Cruise-O-Matic quadrant with the instrument cluster. All knobs and controls are well lighted for excellent visibility. The glove box is at the far right of the instrument panel and features a positive, rotary safety latch on the break-away door. A totally new concept in interior design, the 1969 "swept-away" instrument panel offers ample leg room and stretch-out comfort for front seat passengers.



Ford Instrument Panel

MUSTANG CONVERTIBLE TOP—Several significant design changes have been incorporated in the new Mustang convertible top for 1969. The balance link mechanism has been hidden behind the quarter rail section to improve interior appearance. To gain a smoother exterior appearance, extra padding is provided under the top fabric along the upper side areas. Changes in the top folding mechanism permit the use of a larger quarter window and allow the top to stack nearly flush with the belt line.



1969 New Linkage vs Old

FORD AND MERCURY CONVERTIBLE TOP—Changes in the convertible top mechanism have provided a sizeable increase in rear seat passenger space for 1969 and offer a cleaner appearance to the total design.

The re-designed stacking system has eliminated the linkage alongside the rear seat and now provides an additional ten inches of seating space for full three-passenger comfort.



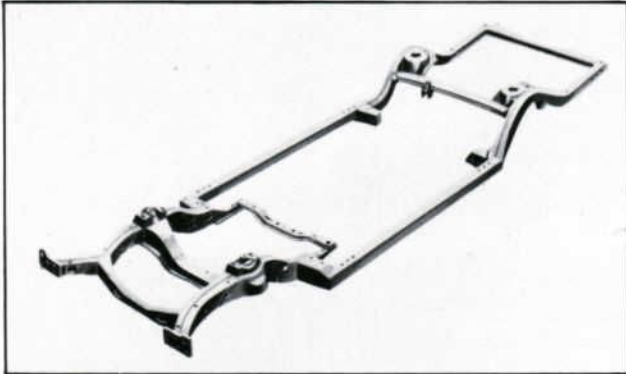
THUNDERBIRD SUN ROOF—This new Thunderbird option, an all-metal design, is powered with an electric motor actuated by a fingertip control on the instrument panel. The sun roof feature allows the Thunderbird owner to achieve the open-air advantages of the convertible and the styling features of a hardtop. When closed, the sun roof matches the roof lines and seals tightly in position with no air or weather leaks. When opened, the sun roof slides down and back, and out of sight on a hidden track between the headliner and the roof.



Sun Roof

and Service Procedures

NEW ENERGY-ABSORBING FRAME—A major safety advance introduced for the 1969 Ford and Mercury models is the energy-absorbing frame. The frame consists of hollow, front side rails of heavy-gauge steel which are shaped like an "S." In a severe front impact much of the energy is expended on bending the "S" rather than being transmitted directly rearward to the passenger compartment. The new frame also is designed to absorb noise, vibration and shock and to provide an exceptional quiet and a luxury-car ride.



New Energy-Absorbing Frame

SEMI-CONCEALED WINDSHIELD WIPERS—A semi-concealed windshield wiper system is standard on all 1969 Ford and Mercury models, incorporates a more-powerful two-speed, electric wiper motor and provides superior performance at all vehicle speeds. When not in use the wipers rest in a depressed molded area.



Semi-concealed Wipers

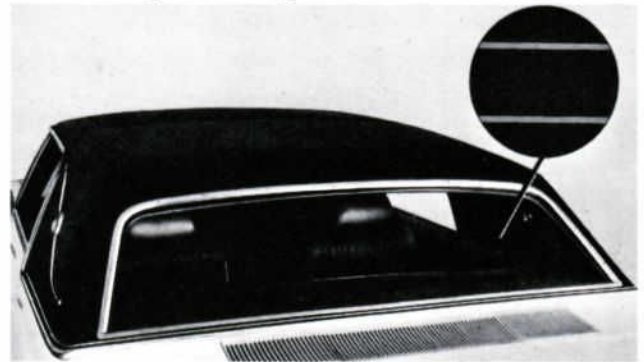
INTERMITTENT WINDSHIELD WIPERS—A new option for 1969, these wipers may be adjusted to provide a pause between each wiping cycle. The length of the pause may be controlled by the driver from two- to ten-seconds, depending on the amount of precipitation, car speed or traffic conditions. Continuous high-speed operation is automatically provided during acceleration. The intermittent feature may be by-passed for regular two-speed operation. Available on Ford, Thunderbird, Cougar, Montego, Mercury & Lincoln Continental models.

FORD AND MERCURY CONVENIENCE GROUP—This popular option becomes even more practical with the addition of a new "headlights-on" buzzer and warning light.

When the driver's door is opened a buzzer as well as a light warn the driver if the headlights were left on.

An integral part of the instrument cluster, the Convenience Group also includes "Door Ajar" and "Low Fuel" warning lights and a "Seat Belt" reminder light.

THUNDERBIRD AND CONTINENTAL MARK III ELECTRICALLY HEATED BACKLITE—Coupled with a high-output 65-ampere alternator, this "Better Idea" helps keep the backlite frost-free and will remove up to 1/8 inch of ice, snow or frost in minutes. The heating unit consists of a silver-filled, ceramic, high-resistance printed electrical circuit, silk-screened onto the inside of the backlite. While visible as a series of 1/32-inch wide lines across the full width of the backlite, the unit does not interfere with the driver's rear vision due to the wide spacing between lines. A switch for operating the unit is integrated with the heater controls on the instrument panel. The option includes a "reminder" light indicating the unit is "on."



Thunderbird Backlite

STATION WAGON "HARDTOP-TYPE" DOORGATE—Ford and Mercury retains its leadership in station wagon features with a new dual-action tailgate which can be opened as a door *without* lowering the window glass. An interlock system makes it necessary to lower the glass before the door can be used as a tailgate.



Hardtop-Type Doorgate

FORD & MERCURY RUNNING GEAR CHANGED . . .

WIDER TRACK—The tread width has been increased to 63 inches in the front and 64 inches in the rear to provide better ride and handling characteristics. **INCREASED WHEELBASE**—The wheelbase has been increased two inches to 121 inches on Ford and one-inch on Mercury to 124 inches, adding to their outstanding ride reputation. **NEW STANDARD TIRE SIZE**—The base tire size has been increased to 8.15 x 15 low profile on Ford and to 8.25 x 15 on Mercury—further adding to Ford-built cars ride qualities. The standard tire on Ford and Mercury station wagons has been increased to 8.55 x 15.

1969 MAINTENANCE SCHEDULES . . .

• FORD • FAIRLANE • FALCON • MUSTANG • THUNDERBIRD

SCHEDULED MAINTENANCE SERVICES

(These scheduled maintenance services should be performed as indicated to keep the car operating at peak performance.)

Maintenance Operation	Service Interval							
	6	12	18	24	30	36	42	48
ENGINE								
Number of months or thousands of miles, whichever comes first since last service	6	12	18	24	30	36	42	48
Change engine oil and filter.	X	X	X	X	X	X	X	X
Clean crankcase oil filler breather cap. ¹	X	X	X	X	X	X	X	X
Replace fuel system filter.		X		X		X		X
Replace carburetor air cleaner filter (6 cyl. only). ¹		X		X		X		X
Replace carburetor air cleaner filter (8 cyl. only). ¹				X				X
Replace engine coolant.	Every 24 Months							
Test crankcase emission system. Clean system and replace emission control valve if necessary.	X		X		X		X	
Clean crankcase emission system hoses, tubes, fittings, carburetor spacer and replace as necessary. Replace emission control valve.		X		X		X		X
Inspect Thermactor exhaust emission system hoses and replace if required.		X		X		X		X
Check exhaust control valve for free operation (if so equipped).	X	X	X	X	X	X	X	X
Check and adjust distributor points—replace as required.		X		X		X		X
Check and adjust carburetor-idle speed, fuel mixture.		X		X		X		X
Check choke external linkage.		X		X		X		X
Check and adjust ignition timing—initial timing, mechanical and vacuum advance and vacuum retard (if so equipped).		X		X		X		X
Inspect ignition wiring (secondary) for proper installation and good condition.		X		X		X		X
Inspect, clean, adjust and test spark plugs—replace as required.		X		X		X		X
Inspect fuel lines and filter for leaks.		X		X		X		X
Torque intake manifold bolts to specifications (8 cyl. only).		X		X		X		X
Inspect cooling system hoses for deterioration, leaks and loose hose clamps. Repair and/or replace as required. ³		X		X		X		X
Check drive belt for tension and wear and adjust or replace—if required.		X		X		X		X
CHASSIS AND TRANSMISSION								
Lubricate steering linkage (Ford and Thunderbird only).						X		
Lubricate front suspension ball joints.						X		
Check transmission oil level. ²	X	X	X	X	X	X	X	X
Adjust automatic transmission front (intermediate) band and rear (reverse) band.						X		
Check rear axle fluid level. ²	X	X	X	X	X	X	X	X
Clean and repack front wheel bearings.					X			
Check power steering reservoir fluid level. ²	X	X	X	X	X	X	X	X
Inspect and adjust clutch linkage "free play" (if so equipped). (Ford only).	X	X	X	X	X	X	X	X
Check brake lines and lining.					X			
Adjust automatic transmission front and rear band when used in severe service. (Police, Taxi, etc.)	X		X			X		X
Check brake master cylinder fluid level. ²	X	X	X	X	X	X	X	X
Lubricate steering arm stops.	X	X	X	X	X	X	X	X
BODY								
Lubricate all lock cylinders.	X	X	X	X	X	X	X	X
Lubricate all hinges, hinge checks, hood latch and auxiliary latch.	X	X	X	X	X	X	X	X

- MAINTENANCE NOTES:** ¹ More frequent service intervals will be required if the vehicle is operated in extremely dusty areas or for extended periods of idling, trailer towing, or short runs which prevent the engine from reaching normal operating temperature.
² Add fluid if required.
³ If coolant is dirty or rusty in appearance, the system should be cleaned and flushed. The radiator cap should be cleaned and the system refilled with the prescribed solution.

NON-SCHEDULED MAINTENANCE ALL CAR LINES

- Lubricate automatic transmission shift linkage.
- Lubricate manual transmission shift control and linkage.
- Check coolant level.
- Check all fuel, vacuum, hydraulic lines, fittings and connections for leaks.

1969 MAINTENANCE SCHEDULES . . .

• COUGAR • MERCURY MONTEGO • MERCURY • LINCOLN CONTINENTAL • CONTINENTAL MARK III

SCHEDULED MAINTENANCE SERVICES

(These scheduled maintenance services should be performed as indicated to keep the car operating at peak performance.)

Maintenance Operation	Service Interval							
	6	12	18	24	30	36	42	48
ENGINE								
Number of months or thousands of miles, whichever comes first since last service	6	12	18	24	30	36	42	48
Change engine oil and filter.	X	X	X	X	X	X	X	X
Clean crankcase oil filler breather cap. ¹	X	X	X	X	X	X	X	X
Replace carburetor air cleaner filter (6 cyl. only). ¹		X		X		X		X
Replace carburetor air cleaner filter (8 cyl. only).				X				X
Drain, flush and refill cooling system.	Every 24 Months							
Replace all cooling system hoses (Lincoln only).	Every 24 Months							
Inspect cooling system hoses for deterioration, leaks and loose hose clamps. Repair and replace as required. ³		X		X		X		X
Test crankcase emission system. Clean system and replace emission control valve if necessary.	X		X		X		X	
Clean crankcase emission system hoses, tubes, fittings, carburetor spacer and replace as necessary. Replace emission control valve.		X		X		X		X
Check exhaust control valve for free operation (if so equipped).	X	X	X	X	X	X	X	X
Check battery fluid level.	X	X	X	X	X	X	X	X
Check drive belt for tension and wear and adjust or replace—if required.	X		X		X		X	
CHASSIS AND TRANSMISSION								
Lubricate steering linkage (Mercury only).						X		
Lubricate steering idler arm.						X		
Lubricate power steering control valve stud (Cougar and Mercury Montego only).						X		
Lubricate front suspension ball joints.						X		
Check transmission oil level. ²	X	X	X	X	X	X	X	X
Adjust automatic transmission front (intermediate) band and rear (reverse) band (if so equipped).						X		
Check rear axle fluid level. ²	X	X	X	X	X	X	X	X
Clean and repack front wheel bearings.					X			
Replace power steering filter (Lincoln Continental & Mark III only).						X		
Check power steering reservoir fluid level. ²	X	X	X	X	X	X	X	X
Inspect and adjust clutch linkage "free-play" (if so equipped).	X	X	X	X	X	X	X	X
Check brake lines and lining.					X			
Check tire pressure.	X	X	X	X	X	X	X	X
Adjust automatic transmission front (intermediate) band (428-4V C.J. CID engines only)	X		X			X		
Check brake master cylinder fluid level. ²	X	X	X	X	X	X	X	X
Lubricate steering arm stops.	X	X	X	X	X	X	X	X
BODY								
Lubricate all lock cylinders.	X	X	X	X	X	X	X	X
Lubricate all hinges, hinge checks, hood latch and auxiliary latch.	X	X	X	X	X	X	X	X

MAINTENANCE NOTES: ¹ More frequent service intervals will be required if the vehicle is operated in extremely dusty areas or for extended periods of idling, trailer towing, or short runs which prevent the engine from reaching normal operating temperature.

² Add fluid if required.

³ If coolant is dirty or rusty in appearance, the system should be cleaned and flushed. The radiator cap should be cleaned and the system refilled with the prescribed solution.

AIR POLLUTION CONTROL SERVICES

(These services are required every 12,000 miles or 12 months to keep air pollutants emitted from the engine within legally established limits.)

ENGINE SYSTEMS PERFORMANCE CHECKS

- Check and adjust distributor points—replace as required.
- Check drive belts for excessive wear or defects—adjust as required.
- Check and adjust carburetor-idle speed, fuel mixture.

- Clean choke external linkage.
- Check and adjust ignition timing—initial timing, and vacuum retard (if so equipped).
- Inspect ignition wiring (secondary) for proper installation and good condition.
- Inspect, clean, adjust and test spark plugs—replace as required.
- Inspect fuel lines and filter for leaks. Replace fuel filter.
- Torque intake manifold bolts to specifications (8 cyl. only).
- Inspect Thermactor exhaust emission system hoses if so equipped and replace if required.

- Check front wheel alignment and steering linkage. Balance wheels.
- Check parking brake cable tension and adjust if required.
- Inspect and rotate wheels and tires.
- Check convertible top fluid.

- Check air conditioning.
- Clean body drain holes and examine dust valves for proper operation.
- Replace windshield wiper blades.
- Check headlight alignment.

1969 COUGAR MODELS AND SPECIFICATIONS



MODELS

- 2-DOOR HARDTOP
- XR-7 2-DOOR HARDTOP
- CONVERTIBLE
- XR-7 CONVERTIBLE

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

GAS FILLER CAP—Behind Rear License Plate
 OIL FILLER CAP—Front of Left Rocker Arm Cover
 PCV VALVE—Rear of Right Rocker Arm Cover
 FUSE PANEL—On dash panel, forward and above accelerator pedal
 HOOD LATCH—Lower Center of Grille
 To Open: Pull Lever Out and Hold, Raise Hood

GENERAL DIMENSIONS

Wheelbase	111.1"
Tread	
Front	58.5"
Rear	58.5"
Over-all Length	193.8"
Over-all Width	74.2"
Over-all Height	51.3"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	20 gal.
Cooling System (Includes 1 qt. for heater)	
351 CID	14.6 qts.
390 CID	20.0 qts.
428 CID	19.3 qts.
Engine Crankcase (Includes 1 qt. for filter)	
All	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Select-Shift Merc-O-Matic	
351 CID	11 qts.
390 & 428 CID	12¾ qts.
Rear Axle	5 pts.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi Beam	37.5 Watts	4001
Front Parking/Turn Signal	3-32 c.p.	1157A
Rear Stop/Tail/Turn Signal	3-32 c.p.	1157
License Plate	4 c.p.	97
Front Side Marker	2 c.p.	194A
A—Amber Color Bulb		

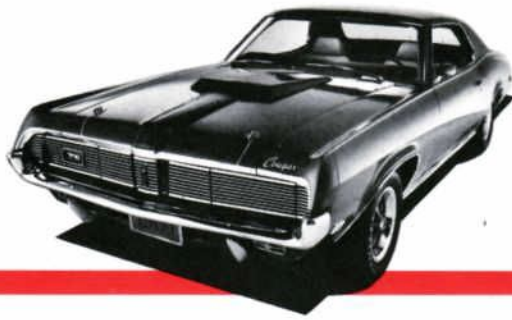
LIGHTS (12 VOLTS) continued

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment continued		
Courtesy Under Panel	6 c.p.	631
Courtesy "C" Pillar	15 c.p.	1003
Auto. Trans. Quadrant	1.5 c.p.	1445
Door Courtesy	6 c.p.	212
Console Lamp	3 c.p.	1816
Luggage & Glove Compartment	6 c.p.	631
Back-up Light	32 c.p.	1156
Rear Side Markers	2 c.p.	194
Instrument Panel		
All (Unless otherwise shown)	2 c.p.	194
Ash Tray	1.5 c.p.	1445
Ignition Switch	2 c.p.	1895
Glove Compartment	2 c.p.	1891
Accessory Equipment		
Radio AM/FM	1.3 c.p.	1892
Radio	1.9 c.p.	1893
Spotlight	30 Watts	4405
Heater—A/C Controls	1.5 c.p.	1445
Engine Compartment	6 c.p.	631
Visual Check Panel (except XR-7)		
Low Fuel Warning	2 c.p.	1895
Door Lock Warning	1.6 c.p.	257
Seat Belt Reminder	2 c.p.	1895
Parking Brake Warning	1.6 c.p.	257
Brakes	2 c.p.	194
XR-7 Models		
All (Except Parking Brake)	2 c.p.	194
Parking Brake	2 c.p.	1895

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Parking, Tail & License Lights, Horns & Side Marker	Integral with Light Switch	15	C.B.
Stop Lights	Bracket at Fuse Panel	15	C.B.
Power Windows	Bracket at Fuse Panel	20	C.B.
Heater & Defroster	Fuse Panel	14	SFE
Air Conditioning	Fuse Panel	30	SFE
Rear Lamp Feed Wire	In Trunk	5	C.B.
Windshield Wiper	Integral with Wiper Switch	6	C.B.
Emergency Warning	Fuse Panel	20	SFE
Back-up Lights, Turn Signals, Radio Feed, Auto. Trans. Quadrant & Windshield Washer	Fuse Panel	20	SFE
Lights for Instrument Panel, Radio, Heater Control, Clock and Ash Tray	Fuse Panel	4	AGA
Lighter Feed, Courtesy, Glove Compartment, Map, Luggage Compartment, Clock Feed	Fuse Panel	14	SFE
Power Window Relay Feed, Accy. Feed, Speed Control, Seat Belt Reminder, Door Ajar, Low Fuel, and Swing Tilt Column	Fuse Panel	20	SFE
Spotlight	Cartridge in Feed Wire	7.5	SFE
Engine Compt.	Cartridge in Feed Wire	7.5	C.B.
Power Top Feed Circuit	Starter Relay		Fuse Link
Motors: Windshield Wiper, Power Windows & Power Seat	Integral with Motor		C.B.

*C.B. Circuit Breaker



1969 COUGAR MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (cold)

Model	Engine C.I.D. Size	Standard Tire			Optional Tire		
		Size (Load Range B)	Pressure		Size (Load Range B)	Pressure	
			Front	Rear		Front	Rear
All	351 & 390	E78-14	26	26	7.35-14 FR70-14* F70-14 E70-14	26 28 28 28	26 28 28 28
All without Air Conditioning	428	E70-14	28	28	F70-14	28	28
All with Air Conditioning	428	F70-14	28	28	FR70-14	28	28
*Use only with Optional Suspension							
Full Rated (Maximum) Load							
Model	Total Load—Occupants Plus Luggage						
	Maximum Load (Lbs.)	Total Occupants	Distribution				
			Front	Rear	Luggage		
ALL	775	4	2	2	175 LBS		

FOR SUSTAINED HIGH SPEEDS OR TRAILER TOWING SEE PAGES 6 & 7

ENGINE

	351 CID V-8 2V	351 CID V-8 4V	390 CID V-8 4V	428 CID V-8 4V C.J.
Type	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl 90° V OHV
Displacement	351 Cu. In.	351 Cu. In.	390 Cu. In.	428 Cu. In.
Bore and Stroke (Inches)	4.00 x 3.50	4.00 x 3.50	4.05 x 3.78	4.13 x 3.98
Compression Ratio	9.5:1	10.7:1	10.5:1	10.6:1
Brake Horsepower @ Specified rpm	250 @ 4600	290 @ 4800	320 @ 4800	335 @ 5200
Maximum Torque (lb. ft.) @ Specified rpm	355 @ 2600	385 @ 3200	427 @ 3200	440 @ 3400
Idle rpm (Adjust with lights on) (1)				
Manual Transmission	650	675	700	700
Automatic Transmission	550	575	550	650
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Premium	Premium	Premium
Carburetor	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4 V	Auto. Choke 4V
Spark Plugs (Autolite Sales No.)	BF-42	BF-32	BF-42	BF-32
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036" 0.028"-0.032" (Ram Air)
Firing Order	1-3-7-2-6-5-4-8	1-3-7-2-6-5-4-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Distributor Point Gap	0.017"	0.017"	0.017"	0.021" (S/T) 0.017" (A/T)
Ignition Timing (BTDC) (2)(3)	6°	6°	6°	6°
Distributor Diaphragm Type	Single	Single	Dual (S/T) Single (A/T)	Dual (S/T) Single (A/T)
Manifold Vacuum (Idle) Minimum "Hg" (4)	18	18	17	17
(S/T) Synchronmesh Transmission				
(A/T) Automatic Transmission				

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- (4) Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

1969 MERCURY MONTEGO

MODELS AND SPECIFICATIONS



MODELS

- COMET SPORTS COUPE
- MONTEGO MX BROUGHAM
- CYCLONE CJ
- MONTEGO
- MONTEGO MX
- CYCLONE

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

- GAS FILLER CAP—Left Rear Fender
- OIL FILLER CAP—6-Cylinder: Front of Rocker Arm Cover
—8-Cylinder: Front of Left Rocker Arm Cover
- PCV VALVE—6-Cylinder: Rear of Rocker Arm Cover
—8-Cylinder: Rear of Right Rocker Arm Cover
- FUSE PANEL—On dash panel to left of steering column
- HOOD LATCH—Top Center of Grille
- To Open: Pull Lever to Right, Raise Hood

GENERAL DIMENSIONS

Wheelbase	
All Models except Station Wagon	116.0"
Station Wagon	113.0"
Tread	
Front	58.8"
Rear	58.5"
Over-all Length	
All Models except Cyclone Fastback & Cyclone C.J. & Station Wagon	206.1"
Station Wagon	203.9"
Cyclone Fastback & Cyclone C.J.	203.1"
Over-all Width	76.0"
Over-all Height	
Sedan	55.0"
Hardtop	53.5"
Station Wagon	56.0"
Convertible	54.2"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	20 gal.
Cooling System (Includes 1 qt. for heater)	
250 CID	10 qts.
302 CID	13½ qts.
351 CID	14½ qts.
428 CID	19 qts.
390 CID	20 qts.
Engine Crankcase (Includes 1 qt. for filter)	
250 CID	4.5 qts.
302, 351, 390 & 428 CID	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Select-Shift Merc-O-Matic	
250 & 302 CID	9 qts.
351 CID	11 qts.
390 & 428 CID	12¾ pts.
Rear Axle	
250 & 302 CID	4 pts.
351, 390 & 428 CID	5 pts.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Park & Turn Signal	3-32 c.p.	1157A
Rear Stop & Turn Signal	3-32 c.p.	1157
Back-up Light	32 c.p.	1156
Front Side Marker	4 c.p.	1178A
License Plate	4 c.p.	97
Dome	15 c.p.	1003
Instrument Panel		
All (Unless otherwise shown)	2 c.p.	194
Radio Dial	2 c.p.	1893
Parking Brake Reminder	2 c.p.	1895
Clock or Tachometer	2 c.p.	1895
Seat Belt Warning	2 c.p.	1895
Ignition Switch	2 c.p.	1895
Auto. Trans. Quadrant (Column)	1 c.p.	161
Auto. Trans. Quadrant (Floor)	1.9 c.p.	1893
Accessory Equipment		
Glove Compartment	1.9 c.p.	1893
Engine & Luggage Compartment	6 c.p.	631
Spotlight	30 Watts	4405
Cargo (Station Wagon)	15 c.p.	1003
Map	6 c.p.	631
Tachometer	2 c.p.	1895
Courtesy (Instrument Panel)	6 c.p.	631
A—Amber Color Bulb		

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Tail Lights, Stoplights, Horns, License & Marker Light	Integral with Light Switch	15	C.B.
Emergency Flasher, Cigar Lighter & Clock Feed	Fuse Panel	20	SFE
Lights for Courtesy, Dome, Map, Cargo, Luggage & Glove Comp.	Fuse Panel	14	SFE
Instrument Cluster Lights	Fuse Panel	4	AGA
Warning Lights (Safety Conve.) Seat Belt Warning, Oil, Dual Brake Warning & Temperature	Fuse Panel	14	SFE
Heater	Fuse Panel	14	SFE
Air Conditioning	Fuse Panel	30	SFE
Back-up Lights, Windshield Washer & Radio	Fuse Panel	20	SFE
Accessory Feed (RPO) & Seat Belt Reminder (RPO)	Fuse Panel	20	SFE
Windshield Wiper	Integral with Wiper Switch		C.B.
Power Windows, Power Seat Adjuster, Convertible Top & Power Backlite	On Starter Relay	20	C.B.
Spotlight	Fuse Cartridge in Feed Wire	7.5	SFE
Parking Brake Warning Light & Auto. Trans. Console	Fuse Cartridge in Feed Wire	4	SFE
Motors: Windshield Wiper, Power Windows, Convertible Top	Integral with Motor		C.B.

*C.B. Circuit Breaker



1969 MERCURY MONTEGO

MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD)

Model	Engine C.I.D. Size	Standard Tire			Optional Tire		
		Size	Pressure		Size	Pressure	Pressure
			Front	Rear		Front	Rear
Sports Coupe Hardtop	250 & 302	7.35-14	25	27			
Sedans and other Hardtops	250, 302, 351 & 390	7.75-14	25	27	7.75-14	26	28
Convertibles	250, 302 & 351 *	7.75-14	24	26	F70-14	28	28
	390	7.75-14	26	28	FR70-14	28	28
Sedans & Hardtops	428 Non-Ram Air	7.75-14	26	28			
GT Option	All 8-cyl.						
Cyclone C.J.	428	F70-14	28	28	FR70-14	28	28
Hardtops	428 Ram Air						
Station Wagons	250, 302, 351 & 390	7.75-14 (Load Range D)	22	36	—	—	—

Use only with Optional Suspension
All Tires are Load Range B unless otherwise specified

FULL RATED (MAXIMUM) LOAD

Model	Maximum Load (lbs.)	Total Occupants	Total Load—Occupants Plus Luggage			
			Distribution			Luggage
			Front	Center	Rear	
Sedan, Hardtop & Convertible with:						
Bench Seats	1100	6	3	—	3	200 lbs.
Bucket Seats	950	5	2	—	3	200 lbs.
Station Wagons	1200	6	3	3	0	300 lbs.
Station Wagons	1200	8	3	3	2	0

FOR SUSTAINED HIGH SPEEDS OR TRAILER TOWING—SEE PAGE 6 & 7

ENGINES

	250 CID I-6	302 CID V-8 2V	351 CID V-8 2V	351 CID V-8 4V	390 CID V-8 4V	428 CID V-8 4V C.J.
Type	In Line 6-Cyl.	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV
Displacement	250 Cu. In.	302 Cu. In.	351 Cu. In.	351 Cu. In.	390 Cu. In.	428 Cu. In.
Bore and Stroke (Inches)	3.68 x 3.91	4.00 x 3.00	4.00 x 3.50	4.00 x 3.50	4.05 x 3.78	4.13 x 3.98
Compression Ratio	9.0:1	9.5:1	9.5:1	10.7:1	10.5:1	10.5:1
Brake Horsepower @ Specified rpm	155 @ 4000	210 @ 4400	250 @ 4600	290 @ 4800	320 @ 4800	335 @ 5200
Max. Torque (lb. ft.) @ Specified rpm	240 @ 1600	295 @ 2400	355 @ 2600	385 @ 3200	427 @ 3200	440 @ 3400
Idle rpm (Adjust with lights on) (1)						
Manual Transmission	700 (Non A/C) 700/500* (A/C only)	650	650	675	700	700
Automatic Transmission	550 (Non A/C) 550/450* (A/C only)	550	550	575	550	650
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Regular	Premium	Premium	Premium
Carburetor	Auto. Choke 1V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4V	Auto. Choke 4V
Spark Plugs (Autolite Sales No.)	BF-82	BF-42	BF-42	BF-32	BF-42	BF-32
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036" 0.028"-0.032" (Ram Air)
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-3-7-2-6-5-4-8	1-3-7-2-6-5-4-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Distributor Point Gap	0.025"	0.021" (S/T) 0.017" (A/T)	0.017"	0.017"	0.017"	0.021" (S/T) 0.017" (A/T)
Ignition Timing (BTDC) (2) (3)	6°	6°	6°	6°	6°	6°
Distributor Diaphragm Type	Single	Dual (S/T) Single (A/T)	Single	Single	Dual (S/T) Single (A/T)	Dual (S/T) Single (A/T)
Manifold Vacuum (Idle) Minimum "Hg" (4)	17	16	18	18	17	17

ENGINE NOTES:

- Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open. On 302 CID engines, with automatic transmissions, adjust idle speed with the air conditioner off.
- The distributor diaphragm hose(s) must be disconnected and plugged.
- If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

*Adjust the high idle speed with the throttle solenoid operating. Adjust the low idle speed with the wire disconnected from the throttle solenoid.

1969 MERCURY MODELS AND SPECIFICATIONS



MODELS

- MONTEREY
- MARQUIS BROUGHAM
- COLONY PARK
- MONTEREY CUSTOM
- MARQUIS
- MARAUDER
- MARAUDER X-100

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

GAS FILLER CAP—Left Rear Fender
OIL FILLER CAP—Front of Left Rocker Arm Cover
PCV VALVE—Rear of Right Rocker Arm Cover
FUZE PANEL—Left Side of Dash Panel
HOOD LATCH—Top, Left Center of Grille
To Open: Move Lever to Center of Car, Raise Hood

GENERAL DIMENSIONS

Wheelbase		
All Models except Station Wagon & Marauder	124.0"	
Station Wagon & Marauder	121.0"	
Tread		
Front	63.0"	
Rear	64.0"	
Over-all Length		
Sedans, Hardtops & Convertibles		
Monterey	221.8"	
Marauder	219.1"	
Marquis	224.3"	
Station Wagons		
Monterey & Monterey Custom	218.0"	
Marquis Colony Park	220.5"	
Over-all Width	80.0"	
Over-all Height (Loaded)		
4-Door Hardtops-All Models & 4-Door Sedan Marquis	54.0"	
4-Door Sedans-Monterey	55.1"	
2-Door Hardtops Except Marauder	53.9"	
Marauder	53.2"	
Convertibles	53.5"	
Station Wagons	56.8"	

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank		
All Models except Station Wagon	24.5 gal.	
Station Wagon	22.5 gal.	
Cooling System (Includes 1 qt. for heater)		
With A/C 390 CID	20.5 qts.	
429 CID	19.0 qts.	
Without A/C 390 CID	20.0 qts.	
429 CID	18.5 qts.	
Engine Crankcase (Includes 1 qt. for filter)	5 qts.	
Transmission		
3-Speed Manual	3.5 pts.	
Select-Shift Merc-O-Matic	12.7 qts.	
Rear Axle	5 pts.	

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Parking & Turn Signal	3-32 c.p.	1157A
Rear Stop and Turn Signal	3-32 c.p.	1157
Front Side Marker	4 c.p.	1178A
Back-up	32 c.p.	1156
Dome	15 c.p.	1003
License Plate	4 c.p.	97
Courtesy (Convertible)	6 c.p.	631
Cargo (Station Wagon)	15 c.p.	1003
Courtesy (Door)	6 c.p.	212
Courtesy (Instrument Panel)	6 c.p.	631
Auto. Trans. Quadrant	1.5 c.p.	1445
Instrument Panel		
All (Unless otherwise shown)	2 c.p.	194
Glove Compartment	3 c.p.	1816
Courtesy Lamp	6 c.p.	631
Heater Control	2 c.p.	1895
Ash Tray—Inst. Panel	1.5 c.p.	1445
Auto. Trans. Quadrant	1.5 c.p.	1445
Accessory Equipment		
Fog Lamps (Amber)	35 Watts	4415A
Fog Lamp Switch	1 c.p.	161
Map	3 c.p.	1816
Tachometer	2 c.p.	1895
Warning Indicator Panel	2 c.p.	1891
Clock	2 c.p.	194
Engine Compartment	6 c.p.	631
Luggage Compartment	6 c.p.	631
Radio Pilot Light	1.9 c.p.	1893
Spotlight	30 Watts	4405
Air Conditioner	2 c.p.	1895
Cargo Lamp (Sta. Wag.)	15 c.p.	1003
Radio & Stereo Pilot Light	2 c.p.	1891
A—Amber Color Bulb		

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Lights for Rear Tail, Front Parking, License Plate, Front Side Marker, Horns and Headlamp Buzzer	Integral with Light Switch	15	C.B.
Windshield Wipers	Integral with Wiper Switch	8.25	C.B.
Stop Lamps	R.H. Inst. Panel Flange	20	C.B.
Convertible Top with Power Options	On Starter Relay	20	C.B.
Power Windows & Power Seats	On Starter Relay	20	C.B.
Air Conditioner	Instrument Panel	25	C.B.
Visual Safety Check Panel Lights (Low Fuel, Seat Belt, Parking Brake & Door Ajar), Power Antenna, Power Windows & Defogger	Fuse Panel	20	SFE
Radio, Seat Belt, W/S Washer, Parking Brake Warning & Back-up Lights	Fuse Panel	20	SFE
Instrument Cluster Lights, Clock Light, Ash Tray, Auto. Trans. Quadrant, Radio Light and Heater Control Lights	Fuse Panel	4	AGA
Dome, Courtesy, Glove Compartment, Clock, Map, Door Ajar & Luggage Compartment	Fuse Panel	14	SFE
Emergency Flasher and Cigar Lighter	Fuse Panel	20	SFE
Heater Blower	Fuse Panel	14	SFE
Speed Control	Cartridge in Feed Wire	5	AGA
Motors: Windshield Wiper, Convertible Top, Power Seats, Power Windows	Integral with Motor		C.B.

*C.B. Circuit Breaker



1969 MERCURY MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD)

Model	Standard Tire			Optional Tire		
	Size Load Range B	Pressure		Size Load Range B	Pressure	
		Front	Rear		Front	Rear
Sedans, Hardtops & Convertibles				8.15-15	26	28
390 CID Models Without Air Conditioning Except: Marquis & Brougham	8.25-15	26	28	8.45-15 8.55-15 215R-15 H70-15	26 26 26 26	26 26 26 26
390 CID Models With Air Conditioning				8.45-15	26	26
Marquis & Brougham	8.55-15	26	26	215R-15	26	26
All 429 CID Models				H70-15	26	26
Station Wagons	8.55-15	24	32	H78-15	24	32

FULL RATED (MAXIMUM) LOAD						
Model	Total Load - Occupants Plus Luggage					
	Maximum Load	Total Occupants	Distribution			
			Front	Center	Rear	Luggage
Bench Seat	1100 lbs.	6	3	—	3	200 lbs.
Bucket Seat	950 lbs.	5	2	—	3	200 lbs.
Station Wagons	1200 lbs.	6	3	3	0	300 lbs.
Station Wagons	1200 lbs.	8	3	3	2	0

For Sustained High Speeds or Trailer Towing See Pages 6 & 7

ENGINES

	390 CID V-8 2V	390 CID V-8 2V (P.F.)	429 CID V-8 2V	429 CID V-8 4V
Type	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV
Displacement	390 Cu. In.	390 Cu. In.	429 Cu. In.	429 Cu. In.
Bore and Stroke (Inches)	4.05 x 3.78	4.05 x 3.78	4.36 x 3.59	4.36 x 3.59
Compression Ratio	9.5:1	10.5:1	10.5:1	10.5:1
Brake Horsepower @ Specified rpm	270 @ 4400	280 @ 4400	320 @ 4400	360 @ 4600
Maximum Torque (lb. ft.) @ Specified rpm	390 @ 2600	430 @ 2600	460 @ 2200	476 @ 2800
Idle rpm (Adjust with lights on) (1)				
Manual Transmission	650	—	—	—
Automatic Transmission	550	550	550	550
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Premium	Premium	Premium
Carburetor	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4V
Spark Plugs (Autolite Sales No.)	BF-42	BF-42	BF-42	BF-42
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Firing Order	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
Distributor Point Gap	0.017"	0.021"	0.017" (A/T) 0.021" (S/T)	0.017" (A/T) 0.021" (A/T)
Ignition Timing (BTDC) (2)(3)	6°	6°	6°	6°
Distributor Diaphragm Type	Single	Single	Single	Single
Manifold Vacuum (Idle) Minimum "Hg" (4)	17	17	17	17
(S/T) Synchronmesh Transmission				
(A/T) Automatic Transmission				
(P.F.) Premium Fuel				

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes with the windows open.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- (4) Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

1969 MODELS AND SPECIFICATIONS

LINCOLN *Continental*



MODEL

2 DOOR HARDTOP

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

GENERAL DIMENSIONS

Wheelbase	117.2"
Tread—Front	62.0"
—Rear	62.0"
Overall Length	216.1"
Overall Width	79.4"
Overall Height—Loaded	52.9"

SERVICE LOCATIONS

GAS FILLER CAP—Left rear quarter panel
 OIL FILLER CAP—Front of left rocker arm cover
 (PCV) REGULATOR VALVE—Rear of right rocker arm cover
 HOOD LATCH—Lower center of grille
 To Open: Push downward on lever.
 FUSE PANEL—In right side of glove compartment behind removable cover
 CIRCUIT BREAKER—R.H. side of dash panel.

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	24.0 gal.
Cooling System (Includes 1 qt. for heater)	19.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	5.0 qts.
Power Steering	3.9 pts.
Transmission, includes Cooler (dry system)*	13.0 qts.
Rear Axle	5.0 pts.

*Dipstick used to determine exact fill requirements

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlight Circuit	Integral with Lighting Switch	18	C.B.
Tail-lights, Running Lights, License Plate Light, Parking Lights, Marker Lights	Integral with Lighting Switch	15	C.B.
Instrument Panel and Instrument Cluster Illumination	Fuse Panel	6	SFE 6
Clock Feed, Courtesy Lights, Luggage Compartment Light, Glove Compartment Light, Map Light and Reading Lights, Engine Compt. Light	Fuse Panel	14 (1)	SFE 14 (1)
Warning Lights (except Low Fuel Warning & Open Door)	Fuse Panel	7.5	SFE 7.5
Low Fuel Warning & Open Door	Fuse Panel	7.5	SFE 7.5
Windshield Washer and Back up Lights	Fuse Panel	7.5	SFE 7.5
Turn Signal	Fuse Panel	7.5	SFE 7.5
Speed Control & Power Windows	Fuse Panel	7.5	SFE 7.5
Radio & Defogger	Fuse Panel	7.5	SFE 7.5
Power Antenna	Fuse Panel	10	3AG 10
Front Cigar Lighter and Stereo	Fuse Panel	15	SFE 15
Rear Cigar Lighter	Fuse Panel	15	SFE 15
Power Seats, Windows and Horns	Circuit Breaker Panel (Seat and window motors also protected by integral circuit breakers)	30	C.B.
Stop Lights and Emergency Warning	Circuit Breaker Panel	10	C.B.
Heater and Air Conditioner	Circuit Breaker Panel	30	C.B.
Charging Circuit	Fusible Link Block (below starter relay in engine compartment)	Fusible Link	
Rear Window Defroster	On Brake Pedal Support	15	C.B.

(1) Use 20 Ampere SFE 20 fuse if equipped with moveable steering column.

LIGHTS (12 VOLTS)

LAMP DESCRIPTION	Candle Power or Wattage	Lamp Number
Headlight—Hi-Lo Beam.....	37.5 & 50 Watts	4002
Headlight—Hi-Beam.....	37.5 Watts	4001
Front Park & Turn Signal.....	3-32 c.p.	1157NA
Rear Tail/Stop/Turn Signal.....	3-32 c.p.	1157
Back up Light.....	32 c.p.	1156
License Plate Light.....	4 c.p.	97
Rear Seat Reading Light.....	15 c.p.	1003
Glove Compartment Light.....	2 c.p.	1895
Transmission Control Selector Indicator Light.....	1.5 c.p.	1445
Door Courtesy Lights.....	6 c.p.	212-1
Map Light.....	6 c.p.	212-1
Front Side Marker Light.....	4 c.p.	1178A
Rear Side Marker Light.....	4 c.p.	97
Luggage Compartment Light.....	6 c.p.	90
Overhead Console Warning Lights.....	2 c.p.	1891
Courtesy Lights (Foot Wall).....	6 c.p.	631
Hi-Beam Indicator.....	2 c.p.	194
Turn Signal Indicators.....	3 c.p.	168A
Warning Lights, Brake & Low Fuel.....	2 c.p.	194
Ignition Switch Lights.....	1 c.p.	161
Instrument Illumination Lights.....	2 c.p.	194
Radio Dial Light.....	1.9 c.p.	1893
Heater/Air Cond./Auto. Climate Control Light.....	2 c.p.	1895
Rear Vent & Wiper Control Lights.....	2 c.p.	194
Cigar Lighter Light.....	2 c.p.	1895
Speed Control Light.....	1 c.p.	53X

NA—Natural Amber Color Bulb
A—Amber Color Bulb

Tire Size	Pressure			
		Front	Rear	
Standard 8.55-15		26	25	
Optional 8.55-15 Dual Chamber	Outer Chamber	26	25	
	Inner Chamber	42	40	
Full Rated (Maximum) Load				
Total Load = Occupants Plus Luggage				
Maximum Load (Lbs.)	Total Occupants	Distribution		
		Front	Rear	Luggage
1050	6	3	3	150 Lbs.

For sustained speeds over 75 MPH or Trailer Towing—See Pages 6 & 7.

ENGINE

Type.....	460 CID V-8 4V
Displacement.....	8-Cyl. 90° V OHV
Bore and Stroke (Inches).....	460 Cu. In.
Compression Ratio.....	4.36 x 3.85
Brake Horsepower @ Specified rpm.....	10.5:1
Maximum Torque (lb. ft.) @ Specified rpm.....	365 @ 4600
Idle rpm (Adjust with lights on) (1).....	500 @ 2800
Valve Lifters.....	550
Fuel.....	Hydraulic
Carburetor.....	Premium
Spark Plugs (Autolite Sales No.).....	Auto. Choke 4V
Spark Plug Gap.....	BF-42
Firing Order.....	0.032"-0.036"
Distributor Point Gap.....	1-5-4-2-6-3-7-8
Ignition Timing (BTDC) (2)(3).....	0.017"
Distributor Diaphragm Type.....	6°
Manifold Vacuum (Idle) Minimum "Hg".....	Single
	17

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.

1969 LINCOLN CONTINENTAL

MODELS AND SPECIFICATIONS



MODELS

• 2-DOOR COUPE • 4-DOOR SEDAN

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

GAS FILLER CAP—Behind Rear License Plate.

OIL FILLER CAP—Front Center of Engine.

PCV VALVE—In Tube at Right Rear of Engine.

FUSE PANEL—Instrument Panel to Right of Glove Box.

CIRCUIT BREAKERS—Right Side of Instrument Panel.

HOOD LATCH—Top Right Center of Grille.

To Open: Pull Hood Release Handle Located at Lower Left of Instrument Panel. Push Hood Latch Inward, Raise Hood.

GENERAL DIMENSIONS

Wheelbase	126.0"
Tread	
Front	62.4"
Rear	61.0"
Over-all Length	221.0"
Over-all Width	79.7"
Over-all Height	
2-Door Coupe	54.2"
4-Door Sedan	54.9"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	25.5 gal.
Cooling System (Includes 1 qt. for heater)	19.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	5 qts.
Transmission, Includes Cooler (Dry System)*	13.0 qts.
Rear Axle	5 pts.
Power Steering	3.9 pts.

*Dipstick used to determine exact fill requirements.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Watts	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Parking & Turn Signal	3-32 c.p.	1157NA
Front Side Marker	4 c.p.	1178-A
Rear Tail, Stop & Turn Signal	3-32 c.p.	1157

Back-up	32 c.p.	1156
License Plate	4 c.p.	97
Courtesy (Door) Sedan	6 c.p.	212
Courtesy (Door) Coupe	6 c.p.	212-1
Luggage Compartment	6 c.p.	631
Map	6 c.p.	212*
*212-1 used in 2-Door		

Instrument Panel

Warning Lights	2 c.p.	1895
Glove Compartment	2 c.p.	1895
Turn Signal Indicator	2 c.p.	1895
Hi Beam Indicator	2 c.p.	1895
Heater Control	2 c.p.	1895
Courtesy	6 c.p.	631
Illumination	2 c.p.	1895
Speedometer	2 c.p.	1895
Radio AM & AM-FM	1.9 c.p.	1893
Clock	2 c.p.	1895
Engine Compartment	6 c.p.	631
Ash Tray	1.5 c.p.	1445
Speed Control Illumination	1.5 c.p.	1445
Door Lock Nomenclature	2 c.p.	1895
Low Fuel Warning	2 c.p.	1895
Auto. Trans. Quadrant (Tilt Column)	1.5 c.p.	1445
(Fixed Column)	2 c.p.	158

NA—Natural Amber Color Bulb
A—Amber Color Bulb

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Lights for Parking, License Plate, Ash Tray & Markers	Integral with Light Switch	15	C.B.
Stoptlights & Emergency Warning	R.H. Side of Dash Panel	10	C.B.
Rear Windows	R.H. Side of Dash Panel	20	C.B.
Electric Seat & Horns	R.H. Side of Dash Panel	30	C.B.
Electric Windows	R.H. Side of Dash Panel	20	C.B.
Heater & Air Conditioner	R.H. Side of Dash Panel	30	C.B.
Interior Lights for: Dome, Courtesy, Glove Compartment, Luggage Compartment, Clock and Map	Fuse Panel	14	SFE
Instrument Panel Lights and Auto. Trans. Quadrant	Fuse Panel	6	SFE
Warning Lights for: Engine Temp., Door Ajar, Deck Lid Open, Oil Pressure, Brake, Low Fuel, & Seat Belt Reminder	Fuse Panel	7.5	SFE
Cigar Lighter—Front & Rear	Fuse Panel	15	AGC
Antenna	Fuse Panel	10	AGC
Speed Control, Power Windows, Heater—A/C, Rear Window Defogger	Fuse Panel	14	SFE
Radio	Fuse Panel	7.5	SFE
Back-up Lights, Windshield Washers & Turn Signal	Fuse Panel	15	SFE
Stereo Tape Player	Fuse Panel	7.5	SFE
Automatic Headlight Dimmer	Cartridge in Feed Wire	4	SFE
Power Circuit	Terminal Junction Block and Starter Motor Relay	14 Gage Wire Fuse	Safety Link

*C.B. Circuit Breaker



1969 LINCOLN CONTINENTAL MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD)

Model	Tire Size (Load Range B)	Pressure			
		Front	Rear		
Sedans & Coupe	Standard 9.15-15	24	24		
	Optional 9.15-15 Dual Chamber	Outer Chamber	24	24	
		Inner Chamber	40	40	
FULL RATED (MAXIMUM) LOAD					
Total Load = Occupants Plus Luggage					
Models With Bench Seats Bucket Seats	Maximum Load (lbs)	Total Occupants	Distribution		
			Front	Rear	Luggage
	1100	6	3	3	200 lbs
	950	5	2	3	200 lbs

For Sustained High Speeds or Trailer Towing— See Pages 6 & 7

ENGINES

Type	460 CID V-8 4V
Displacement	8-Cyl. 90° V OHV
Bore and Stroke (Inches)	460 Cu. In.
Compression Ratio	4.36 x 3.85
Brake Horsepower @ Specified rpm	10.5:1
Maximum Torque (lb. ft.) @ Specified rpm	365 @ 4600
Idle rpm (Adjust with lights on) (1)	500 @ 2800
Valve Lifters	550
Fuel	Hydraulic
Carburetor	Premium
Spark Plugs (Autolite Sales No.)	Auto. Choke 4V
Spark Plug Gap	BF-42
Firing Order	0.032"-0.036"
Distributor Point Gap	1-5-4-2-6-3-7-8
Ignition Timing (BTDC) (2)(3)	0.017"
Distributor Diaphragm Type	6°
Manifold Vacuum (Idle) Minimum "Hg"	Single
	17

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.

1969 FORD MODELS AND SPECIFICATIONS



MODELS

- FORD CUSTOM
- FORD COUNTRY SEDAN
- FORD XL
- RANCH WAGON
- FORD COUNTRY SQUIRE
- FORD LTD
- FORD CUSTOM 500
- FORD GALAXIE 500
- FORD CUSTOM 500 RANCH WAGON

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

- GAS FILLER CAP—Left Rear Fender
- OIL FILLER CAP—6-Cylinder: Front of Rocker Arm Cover
—8-Cylinder: Front of Left Rocker Arm Cover
- PCV VALVE—6-Cylinder: Rear of Rocker Arm Cover
—8-Cylinder: Rear of Right Rocker Arm Cover
- FUSE PANEL—On Dash Panel, to Left of Steering Column
- HOOD LATCH—Top Center of Grille
- To Open: Lift Lever, Raise Hood

GENERAL DIMENSIONS

Wheelbase	121.0"
Tread:	
Front	63.0"
Rear	64.0"
Over-all Length:	
All except Station Wagons, XL & LTD	214.0"
Station Wagons, XL & LTD	216.0"
Over-all Width:	
2-door	79.4"
4-door & Station Wagon	79.8"
Over-all Height:	
4-Door Sedan	55.1"
2-Door except Sedan	53.5"
2-Door Sedan	54.5"
Station Wagon	56.8"

APPROXIMATE REFILL CAPACITIES

(U. S. Measure)

Fuel Tank	
All models except Station Wagon	24 gal.
Station Wagon	20 gal.
Cooling System (Includes 1 qt. for heater)	
240 CID	13 qts.
302 CID	15 qts.
390, 428 & 429 CID	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	
All	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Cruise-O-Matic	
C-4	10¼ qts.
C-6	12¾ qts.
Rear Axle	
All except 8½ inch dia. ring gear	5 pts.
8½ inch dia. ring gear	4.5 pts.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Park/Turn Signal/Emergency Flasher	32-3 c.p.	1157
Rear Stop/Turn Signal/Tail	32-3 c.p.	1157
Front Side Marker	4 c.p.	1178-A
Rear Side Marker	2 c.p.	194
License Plate	4 c.p.	97
Cargo Lamp (Station Wagon)	15 c.p.	1003
Courtesy (Convertible)	6 c.p.	631
Dome Lamp	15 c.p.	1003
Courtesy (Door) (2-Door LTD)	6 c.p.	212
Courtesy ("C" Pillar)	15 c.p.	1003
Courtesy (Door) (4-Door LTD)	6 c.p.	631
Back-up	32 c.p.	1156
Instrument Panel		
All (except as otherwise shown)	2 c.p.	1895
Glove Box	3 c.p.	1816
Hi-Beam & Turn Signal Indicators	2 c.p.	194
Instrument & Warning Lights (Standard)	2 c.p.	194
Ash Tray	1.5 c.p.	1445
Accessory Equipment		
Air Conditioner Controls	2 c.p.	1895
Radio AM/FM	2 c.p.	1891
Spotlight	30 Watts	4405
Fog Lamps—Clear	35 Watts	4415
Fog Lamp Switch	1 c.p.	53X
Safety Convenience Lamps	2 c.p.	1895
Engine & Luggage Compartment	6 c.p.	631
Ash Tray, Cigar Lighter & Tachometer	2 c.p.	1895
Speed Control Switch	1 c.p.	161
Glove Compartment	3 c.p.	1816
Auto Trans. Quadrant—Console	1.5 c.p.	1445
Portable Trunk Lamp	15 c.p.	1003
A—Amber Color Bulb		

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights & High Beam	Integral with Light Switch	18	C.B.
Parking, Stop, Tail, Front Marker and License Plate Lights; Ignition Switch, Horns, & Lights-on Buzzer	Integral with Light Switch	15	C.B.
Clock Feed, and Lights for Dome, Cargo, Glove Box, Courtesy, Map, Open Door Warning & Luggage Compartments	Fuse Panel	14	SFE
Lights for Clock, Heater Control, Instrument Cluster, Ash Tray, Speedo, Turn Indicators, Radio and Auto Trans. Quadrant	Fuse Panel	4	AGA
Heater and Defroster	Fuse Panel	14	SFE or AGC
Seat Belt & Emergency Warning Light	Fuse Panel	20	SFE
Radio Feed, Back-up Lights	Fuse Panel	20	SFE
Electric Wiper Motor Circuit	Integral with Wiper Switch	10	C.B.
Power Windows, Power Seats, Power Backlite & Top	On Starter Relay	20	C.B.
Air Conditioner—Select Aire	Lower Instrument Panel	25	C.B.
—Economy	Fuse Cartridge in Feed Wire	20	AGC
Speed Control	Fuse Cartridge in Feed Wire	5	AGA
Spotlight	Fuse Cartridge in Feed Wire	7.5	SFE
Motors: Window, Seat, Top	Integral with Motor	..	C.B.

*Circuit Breaker



1969 FORD MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (cold)

Model	Engine C.I.D. Size	Standard Tire		Optional Tire	
		Size (Load Range B)	Pressure Front Rear	Size (Load Range B)	Pressure Front Rear
Sedans & Hardtops Except LTD & XL Mdls.	240 & 302	7.75-15	26 29	8.15-15 8.25-15	26 29 26 29
LTD & XL Sedans & Hardtops all C'vertibles	240 & 302	8.25-15	26 29	8.45-15 8.55-15	24 24 24 24
Non-Air Conditioned Sedans & Hardtops Except LTD & XL Mdls.	390 & 429	8.25-15	26 29	H70-15 215R15	24 24 24 24
A/C Sedans & Hardtops All C'vertibles All LTD & XL Models	390 & 429	8.55-15	24 24	8.45-15 H70-15 215R15	24 24 24 24 24 24
GT Option	All	H70-15	28 28	—	—

Full Rated (Maximum) Load

Model	Total Load = Occupants Plus Luggage				
	Maximum Load	Total Occupants	Distribution		
Bench Seat	1100 lbs	6	3	3	200 lbs.
Bucket Seat	950 lbs	5	2	3	200 lbs.

For Sustained High Speeds or Trailer Towing—See Pages 6 & 7

STATION WAGONS ONLY

Model	Engine C.I.D. Size	Standard Tire		Optional Size	
		Size (Load Range B)	Pressure Front Rear	Size (Load Range B)	Pressure Front Rear
Station Wagon	All	8.55-15	22 32	H78-15	22 32

Full Rated (Maximum) Load					
Total Load = Occupants Plus Luggage					
Maximum Load (lbs)	Distribution				
	Total Occupants	Front	Center	Rear	Luggage
1200	6	3	3	0	300 lbs
1200	8	3	3	2	0

For Sustained High Speeds or Trailer Towing—See Pages 6 and 7

ENGINE

	240 CID I-6	302 CID V-8 2V	390 CID V-8 2V	429 CID V-8 2V	429 CID V-8 4V
Type	In Line 6-Cyl.	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV
Displacement	240 Cu. In.	302 Cu. In.	390 Cu. In.	429 Cu. In.	429 Cu. In.
Bore and Stroke (Inches)	4.00 x 3.18	4.00 x 3.00	4.05 x 3.78	4.36 x 3.59	4.36 x 3.59
Compression Ratio	9.2:1	9.5:1	9.5:1	10.5:1	10.5:1
Brake Horsepower @ Specified rpm	150 @ 4000	210 @ 4400	270 @ 4400	320 @ 4400	360 @ 4600
Maximum Torque (lb. ft.) @ Specified rpm	234 @ 2200	295 @ 2400	390 @ 2600	460 @ 2200	476 @ 2800
Idle rpm (Adjust with lights on) (1)					
Manual Transmission	775/500*	650	650	650	650
Automatic Transmission	500	550	550	550	550
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Regular	Premium	Premium
Carburetor	Auto. Choke 1V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4V
Spark Plugs (Autolite Sales No.)	BF-42	BF-42	BF-42	BF-42	BF-42
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
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
Distributor Point Gap	0.027"	0.021" (S/T) 0.017" (A/T)	0.017"	0.017" (A/T) 0.021" (S/T)	0.017" (A/T) 0.021" (S/T)
Ignition Timing (BTDC) (2) (3)	6°	6°	6°	6°	6°
Distributor Diaphragm Type	Dual	Dual (S/T, or A/T W/A/C) Single (A/T W.O. A/C)	Single	Single	Dual (S/T)
Manifold Vacuum (Idle) Minimum "Hg" (4)	14	16	17	17	17
(S/T) Synchromesh Transmission					
(A/T) Automatic Transmission					

ENGINE NOTES:

- Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open. On 302 CID engines, with automatic transmissions, adjust Idle speed with the air conditioner off.
- The distributor diaphragm hose(s) must be disconnected and plugged.
- If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

*Adjust the high idle speed with the throttle solenoid operating. Adjust the low idle speed with the wire disconnected from the throttle solenoid.

1969 FAIRLANE

MODELS AND SPECIFICATIONS



MODELS

- FAIRLANE • FAIRLANE 500 • TORINO • TORINO GT
- FAIRLANE COBRA • FAIRLANE RANCHERO • TORINO SQUIRE

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

- GAS FILLER CAP—Behind Rear License Plate
- OIL FILLER CAP—6-Cylinder: Front of Rocker Arm Cover
—8-Cylinder: Front of Left Rocker Arm Cover
- PCV VALVE—6-Cylinder: Rear of Rocker Arm Cover
—8-Cylinder: Rear of Right Rocker Arm Cover
- FUSE PANEL—Behind Lower Edge of Instrument Panel to Right of Steering Column
- HOOD LATCH—Top Center of Grille
- To Open: Lift Lever, Raise Hood

GENERAL DIMENSIONS

Wheelbase		
All models except Station Wagon	116.0"	
Station Wagon	113.0"	
Tread		
Front	58.8"	
Rear	58.5"	
Over-all Length		
All models except Station Wagon	201.1"	
Station Wagon	203.9"	
Over-all Width	74.6"	
Over-all Height		
4-door Sedan	54.1"	
2-door Formal Hardtop	52.8"	
2-door Fastback Hardtop	52.6"	
Convertible	53.3"	
Station Wagon	56.1"	

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	20 gal.
Cooling System (Includes 1 qt. for heater)	
250 CID	10 qts.
302 & 351 CID	15 qts.
390, 427 & 428 CID	20 qts.
Engine Crankcase (Includes 1 qt. for filter)	
250 CID	4.5 qts.
302, 351, 390 & 428 CID	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Cruise-O-Matic	
C-4	9 qts.
FMX	11 qts.
C-6	12¼ qts.
Rear Axle	
250, 302, 351 CID	4 pts.
390 & 428 CID	5 pts.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Watts	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Park/Turn Signal/Side Marker	4-32 c.p.	1157NA
Rear Tail/Stop/Turn Signal	4-32 c.p.	1157
Back-up Lamp	32 c.p.	1156
License Plate	4 c.p.	97
Dome Lamp	15 c.p.	1003
Hood Mtd Turn Signals (GT)	2 c.p.	1895
Instrument Panel		
Hi-Beam Indicator	2 c.p.	194
Turn Signal Indicator	2 c.p.	194
Warning Lights	2 c.p.	194
Fuel and Speedometer	2 c.p.	194
Glove Compartment	2 c.p.	1891
Ignition Switch	2 c.p.	1895
Ash Tray	1.5 c.p.	1445
Heater (or Optional A/C) Bar	2 c.p.	1895
Clock	2 c.p.	1895
Courtesy Lamp (Conv. only)	6 c.p.	631
Accessory Equipment		
Fog Lamps—Clear	35 Watts	4415
Fog Lamp Switch	1 c.p.	53X
Spotlight	30 Watts	4405
Radio Pilot Light	1.9 c.p.	1893
Tachometer	2 c.p.	1895
Auto. Trans. Quadrant (column)	1 c.p.	161
Floor Shift Quadrant	1.9 c.p.	1893
Console Lamp	3 c.p.	1816
Engine & Luggage Compartment Lamp	6 c.p.	631
Parking Brake Warning	1.6 c.p.	257
Map Lamp	6 c.p.	631
Portable Trunk Lamp & Cargo Lamp (S.W.)	15 c.p.	1003
AM/FM Stereo	1.3 c.p.	1892
NA—Natural Amber Color Bulb		

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type FUSE or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Tail Lights, Parking Lights, License Light and Horns	Integral with Light Switch	15	C.B.
Courtesy, Dome, Map, Cargo, Luggage & Glove Compartment	Fuse Panel	14	SFE
Instrument Panel Lights	Fuse Panel	4	AGA
Emergency Flasher, Cigar Lighter & Clock Feed	Fuse Panel	20	SFE
Warning Lamps (convenience panel), Oil Temp., Dual Brake Seat Belt Warning	Fuse Panel	14	SFE
Back-up Lights, Windshield Washer and Radio	Fuse Panel	20	SFE
Spotlight	Fuse Cartridge in Line	7.5	SFE
Heater & Defroster	Fuse Panel	14	AGC
Air Conditioning	Fuse Panel	30	AGC
Accessory Feed	Fuse Panel	20	AGC
Windshield Wiper	Integral with Wiper Switch		C.B.
Power Window, Convertible Top & Station Wagon			
Power Backlite Window	On Starter Relay	20	C.B.
Motors: Windshield Wiper, Power Window, Convertible Top and Power Backlite	Integral with Motor		C.B.

*C.B. Circuit Breaker



1969 FAIRLANE MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (cold)

Model	Engine C.I.D. Size	Standard Tire		Optional Tire	
		Size (Load Range B)	Pressure Front Rear	Size (Load Range B)	Pressure Front Rear
Sedan & Hardtop	250, 302 & 351	7.35-14	27 29	7.75-14	25 27
	390	7.75-14	25 27	F70-14	28 28
Convertible	250, 302 351 & 390	7.75-14	25 27	FR70-14*	28 28
All GT	302 & 351	E70-14	28 28	F70-14	28 28
	390	F70-14	28 28		
All	428	F70-14	28 28	FR70-14	28 28
Station Wagons	ALL	7.75-14 (Load Range D)	22 36	—	—

*Use only with optional suspension
All tires are Load Range B unless otherwise specified

Model	Full Rated (Maximum) Load					
	Maximum Load (lbs.)	Total Occupants	Distribution			Luggage
Total Load—Occupants Plus Luggage						
			Front	Center	Rear	
Sedan, Hardtop & Convertible with: Bench Seats	1100	6	3	—	3	200 lbs.
Bucket Seats	950	5	2	—	3	200 lbs.
Station Wagons	1200	6	3	3	0	300 lbs.
Station Wagons	1200	8	3	3	2	0

For sustained high speeds or trailer towing—see Pages 6 & 7

RANCHERO ONLY

Models Equipped with	Engine C.I.D. Size	Standard Tire		Optional Tire	
		Size (Load Range B)	Pressure Front Rear	Size	Pressure Front Rear
Standard Suspension	428	7.75-14	24 32	7.75-14 (Load Range D)	24 32
	Other	7.35-14			
Heavy Duty Suspension	ALL	7.75-14		7.75-14 (Load Range D)	
Full Rated (Maximum) Load					
Standard Suspension	Occupant Weight plus Cargo Load = 850 lbs maximum				
Heavy Duty Suspension	Occupant Weight Plus Cargo Load = 1250 lbs maximum				

For sustained high speeds or trailer towing—see Pages 6 & 7

ENGINES

	250 CID I-6	302 CID V-8 2V	351 CID V-8 2V	351 CID V-8 4V	390 CID V-8 4V	428 CID V-8 C.J.
Type	In Line 6-Cyl.	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV
Displacement	250 Cu. In.	302 Cu. In.	351 Cu. In.	351 Cu. In.	390 Cu. In.	428 Cu. In.
Bore and Stroke (Inches)	3.68 x 3.91	4.00 x 3.00	4.00 x 3.50	4.00 x 3.50	4.05 x 3.78	4.13 x 3.98
Compression Ratio	9.0:1	9.5:1	9.5:1	10.7:1	10.5:1	10.6:1
Brake Horsepower @ Specified rpm	155 @ 4000	210 @ 4400	250 @ 4600	290 @ 4800	320 @ 4800	335 @ 5200
Maximum Torque (lb. ft.) @ Specified rpm	240 @ 1600	295 @ 2400	355 @ 2600	385 @ 3200	427 @ 3200	440 @ 3400
Idle rpm (Adjust with lights on) (1)						
Manual Transmission	700 (non A/C) 700/500* (A/C only)	650	650	675	700	700
Automatic Transmission	550 (non A/C) 550/450* (A/C only)	550	550	575	550	650
Valve Lifters	Hydraulic Regular	Hydraulic Regular	Hydraulic Regular	Hydraulic Premium	Hydraulic Premium	Hydraulic Premium
Fuel	Auto. Choke 1V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4V	Auto. Choke 4V
Carburetor	BF-82	BF-42	BF-42	BF-32	BF-42	BF-32
Spark Plugs (Autolite Sales No.)	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Spark Plug Gap						0.028"-0.032" (RAM AIR)
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-3-7-2-6-5-4-8	1-3-7-2-6-5-4-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Distributor Point Gap	0.025"	0.021" (S/T) 0.017" (A/T)	0.017"	0.017"	0.017"	0.021" (S/T) 0.017" (A/T)
Ignition Timing (BTDC) (2) (3)	6°	6°	6°	6°	6°	6°
Distributor Diaphragm Type	Single	Dual (S/T) Single (A/T)	Single	Single	Dual (S/T) Single (A/T)	Dual (S/T) Single (A/T)
Manifold Vacuum (Idle) Minimum "Hg" (4)	17	16	18	18	17	17
(S/T) Synchronesh Transmission (A/T) Automatic Transmission						

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open. On 302 CID engines, with automatic transmissions, adjust idle speed with the air conditioner off.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- (4) Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

*Adjust the high idle speed with the throttle solenoid operating. Adjust the low idle speed with the wire disconnected from the throttle solenoid.

1969 FALCON

MODELS AND SPECIFICATIONS



MODELS

- FALCON 2-DOOR CLUB COUPE
- FALCON 4-DOOR SEDAN
- FALCON STATION WAGON
- FUTURA 2-DOOR CLUB COUPE
- FUTURA 4-DOOR SEDAN
- FUTURA STATION WAGON
- FUTURA 2-DOOR SPORTS COUPE

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

- GAS FILLER CAP—Left Rear Fender
 OIL FILLER CAP—6-Cylinder: Front of Rocker Arm Cover
 —8-Cylinder: Front of Left Rocker Arm Cover
 PCV VALVE—6-Cylinder: Rear of Rocker Arm Cover
 —8-Cylinder: Rear of Right Rocker Arm Cover
 FUSE PANEL—Behind Lower Edge of Instrument Panel to Left of Steering Column
 HOOD LATCH—Lower Center of Grille
 To Open: Pull Lever Sideways, Raise Hood

GENERAL DIMENSIONS

Wheelbase	
All models except Station Wagon	111.0"
Station Wagon	113.0"
Tread	
Front	58.8"
Rear	58.5"
Over-all Length	
All models except Station Wagon	184.3"
Station Wagon	198.7"
Over-all Width	73.2"
Over-all Height	
All models except Station Wagon	54.9"
Station Wagon	56.1"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	
Passenger Car	16 gal.
Station Wagon	20 gal.
Cooling System (Includes 1 qt. for heater)	
6-Cylinder	9.5 qts.
8-Cylinder	13.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	
6-Cylinder	4.5 qts.
8-Cylinder	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
Cruise-O-Matic	
C-4 (170 & 200)	8 qts.
C-4 (302)	9 qts.
Rear Axle	
6-Cylinder	2.5 pts.
8-Cylinder	4 pts.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlights	40-50 Watts	6012
Front Parking & Turn Signal	4-32 c.p.	1157
Rear Tail, Stop and Turn Signal	4-32 c.p.	1157
License Plate	4 c.p.	97
Back-up:		
All models except Station Wagon	32 c.p.	1156
Station Wagon	32 c.p.	1076
Dome	15 c.p.	1003
Instrument Panel		
All (Unless otherwise shown)	2 c.p.	194
Ignition	2 c.p.	1895
Heater Controls	2 c.p.	1895
Accessory Equipment		
Cargo	15 c.p.	1003
Engine & Luggage Compartment	6 c.p.	631
Map	6 c.p.	631
Glove Compartment	2 c.p.	1891
Radio	1.9 c.p.	1893
Transmission Quadrant	1 c.p.	161
Courtesy Lamp (Instrument Panel)	6 c.p.	631
Spotlight	30 Watts	4405
Clock	3 c.p.	1816
Tachometer & A/C Controls	2 c.p.	1895
Parking Brake Warning	1.6 c.p.	257
Ashtray	1.5 c.p.	1445

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Tail Lights, Spotlights, Horns, License Light & Parking Light	Integral with Light Switch	15	C.B.
Lights for Dome, Courtesy, Map, Cargo, Luggage Compartment & Glove Box	Fuse Panel	14	SFE
Lights for Instrument Panel & Instrument Cluster	Fuse Panel	4	AGA
Clock Feed, Cigar Lighter & Emergency Warning Flasher	Fuse Panel	20	SFE
Warning Lamps & Convenience Group	Fuse Panel	14	SFE
Radio, Windshield Washer & Back-up Lights	Fuse Panel	20	SFE
Windshield Wipers	Integral with Wiper Switch	6	C.B.
Convertible Top	Between Starter Relay and Junction Block	14	Gage Wire Fuse Safety Link
Power Windows, Power Seat & Power Backlight (Sta. Wag.)	On Starter Relay	20	C.B.
Spotlight	Fuse Cartridge in Line	7.5	SFE
Parking Brake Warning	Fuse Cartridge in Line	4	SFE
Air Conditioner	On Ignition Switch	30	C.B.
Speed Control	Fuse Cartridge in Line	7.5	SFE
Heater	Fuse Panel	14	SFE
Motors: Wiper, Convertible Top, Power Window & Power Seats	Integral with Motor		C.B.

*C.B. Circuit Breaker



1969 FALCON

MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (cold)

MODEL	ENGINE C.I.D. SIZE	STANDARD TIRE SIZE (LOAD RANGE B)	PRESSURE	
			FRONT	REAR
SEDAN Without Air Conditioning	ALL	6.95-14	26	26
SEDAN With Air Conditioning	200	6.95-14	26	26
	302	7.35-14	24	24
STATION WAGON	ALL	7.75-14	22	32

Full Rated (Maximum) Load

Model	Total Load—Occupants Plus Luggage					
	Maximum Load (Lbs.)	Total Occupants	Distribubion			
			Front	Center	Rear	Luggage
SEDANS WITH BENCH SEAT	1075	6	3	—	3	175 LBS
BUCKET SEAT	925	5	2	—	3	175 LBS
STATION WAGONS	1200	6	3	3	0	300 LBS

For Sustained High Speeds or Trailer Towing See Pages 6 & 7

ENGINES

	170 CID I-6	200 CID I-6	302 CID V-8 2V
Type.....	In Line 6-Cyl.	In Line 6-Cyl.	8-Cyl. 90° V8 OHV
Displacement.....	170 Cu. In.	200 Cu. In.	302 Cu. In.
Bore and Stroke (Inches).....	3.50 x 2.94	3.68 x 3.13	4.00 x 3.00
Compression Ratio.....	9.1:1	8.1:1	9.5:1
Brake Horsepower @ Specified rpm.....	105 @ 4400	120 @ 4400	210 @ 4400
Maximum Torque (lb. ft.) @ Specified rpm.....	158 @ 2400	190 @ 2400	295 @ 2400
Idle rpm (Adjust with lights on) (1)			
Manual Transmission.....	750	750	650
Automatic Transmission.....	550	550	550
Valve Lifters.....	Hydraulic	Hydraulic	Hydraulic
Fuel.....	Regular	Regular	Regular
Carburetor.....	Auto. Choke IV	Auto. Choke IV	Auto. Choke 2V
Spark Plugs (Autolite Sales No.).....	BF-82	BF-82	BF-42
Spark Plug Gap.....	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Firing Order.....	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Distributor Point Gap.....	0.027"	0.027"	0.021"
Ignition Timing (BTDC) (2)(3).....	6°	6°	6°
Distributor Diaphragm Type.....	Dual	Dual	Dual (S/T) Single (A/T)
Manifold Vacuum (Idle) Minimum "Hg" (4).....	17	17	16

(S/T) Synchronesh Transmission (A/T) Automatic Transmission

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open. On 200 & 302 CID engines, with automatic transmissions, adjust idle speed with the air conditioner off.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- (4) Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

1969 MUSTANG

MODELS AND SPECIFICATIONS



MODELS

- 2 + 2 FASTBACK
- HARDTOP
- CONVERTIBLE

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

- GAS FILLER CAP—Above Rear License Plate
- OIL FILLER CAP—6-Cylinder: Front of Rocker Arm Cover
—8-Cylinder: Front of Left Rocker Arm Cover
- PCV VALVE—6-Cylinder: Rear of Rocker Arm Cover
—8-Cylinder: Rear of Right Rocker Arm Cover
- FUSE PANEL—Behind Lower Edge of Instrument Panel to Right of Steering Column
- HOOD LATCH—Upper Center of Grille
- To Open: Pull Lever To Left and Hold, Raise Hood

GENERAL DIMENSIONS

Wheelbase	108.0"
Tread	
Front	58.5"
Rear	58.5"
Over-all Length	187.4"
Over-all Width	
Hardtop & Convertible	71.3"
Fastback	71.8"
Over-all Height	
Convertible & Hardtop	51.2"
2 + 2 Fastback	50.3"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	20 gal.
Cooling System (Includes 1 qt. for heater)	
200 & 250 CID	10 qts.
302 & 351 CID	15 qts.
390 & 428 CID	20 qts.
Crankcase (Includes 1 qt. for filter)	
6-Cyl. Engines	4.5 qts.
8-Cyl. Engines	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Cruise-O-Matic	
C-4 (200 CID)	8 qts.
C-4 (250 & 302 CID)	9 qts.
FMX	11 qts.
C-6	12¾ qts.
Rear Axle	
200 CID (2.83:1, 3.08:1 & 3.20:1 ratios)	2.5 pts.
200, 250, 302 & 351 CID	4 pts.
390 & 428 CID	5 pts.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlamps—Hi & Lo	37.5-50 Watts	4002
Front Park & Turn Signal	3-32 c.p.	1157A
Front Side Marker	4 c.p.	1178A
Rear Tail/Stop/Turn Signal	3-32 c.p.	1157A
Four-Way Emergency Flashers—Included in Front & Rear Turn Signals		
Back-Up Lamp	21 c.p.	1142
License Plate Lamp	4 c.p.	97

Lamp Description

Lamp Description	Candle Power or Wattage	Trade Number
Courtesy Lamp—Fastback (63 "C" Pillar)	15 c.p.	1003
Courtesy Lamp—Under Inst. Pnl. (63 & 76)	6 c.p.	631
Dome Courtesy (65 only)	15 c.p.	1003
Hood Mtd. Turn Signals (G.T.)	2 c.p.	1895
Rear Side Marker Lamp	2 c.p.	194
Instrument Panel		
Front Side Marker Lamp	4 c.p.	1178A
Hi-Beam Indicator	2 c.p.	194
Turn Signal Indicators	2 c.p.	194
Turn Signal Indicators are also Emergency Flasher Indicators		
*Warning Lights—Oil, Alt., & Brakes	2 c.p.	194
Glove Compt. Light	2 c.p.	1891
Instruments	2 c.p.	194
Seat Belt Warning Light (R.P.O.)	2 c.p.	1895
Heater Control	2 c.p.	1895
Accessory Equipment		
Courtesy Lamp R.P.O.	6 c.p.	631
Fog Lamps	35 Watts	4415
Fog Lamp—Switch	1 c.p.	53X
Spotlight 4.4" dia.	30 Watts	4405
R & L Turn Signal Indicators (Outside—In Hood)	2 c.p.	1895
Radio Pilot Light	1.9 c.p.	1893
Warning Light—Brake	1.6 c.p.	256
Safety Conv. Pkg.: Seat Belt	2 c.p.	1895
Floor Shift—Auto. Trans. Select. with Console	1.9 c.p.	1893
Auto. Trans.—W/O Console	1.9 c.p.	1893
Illuminated Emblem	15 c.p.	1003
Luggage Compt. Lamp	6 c.p.	631
Engine Compt. Lamp	6 c.p.	631
Portable Trunk Lamp	15 c.p.	1003
Clock	2 c.p.	1895
AM/FM Stereo Light	1.3 c.p.	1892
Reminder Light Belts	2 c.p.	1891
Door Courtesy R.P.O.	6 c.p.	212
Roof Console R.P.O.	6 c.p.	631
Floor Console Ash Tray	1.5 c.p.	1445
A—Amber Color Bulb		

NOTES (*) Oil and Alt. Warning Lights are required with Tach installation only.

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.
Headlights	Integral with Light Switch	18	C.B.
Stop, Parking, Rear and License Lamps, Horns, and Side Marker	Integral with Light Switch	15	C.B.
Turn Signals, Back up Lamps, Windshield Washer, Radio Feed and Auto. Trans.	Fuse Panel	20	SFE
Accessory Feed, Seat Belt Reminder (RPO), Swing Tilt Column (RPO) and Speed Control	Fuse Panel	20	SFE
Heater and Defroster	Fuse Panel	14	SFE
Air Conditioner	Fuse Panel	30	SFE
Instrument Cluster Lamps, Radio, Heater Controls, Clock, Ash Tray Lamp	Fuse Panel	4	SFE
Courtesy, Instrument Door, Dome, Map, Glove Box, "C" Pillar, Luggage Compartment, Clock Feed and Cigar Lighter	Fuse Panel	14	SFE
Emergency Warning	Fuse Panel	20	AFE
Engine Compartment Light	Fuse Cartridge In Feed Wire	7.5	SFE
Convertible Top	Near Starter Relay	16 Gage Wire Fuse Safety Link	
Electrical Motors: Windshield Wiper and Convertible Top	Integral with Motor		C.B.

1969 MUSTANG

MODELS AND SPECIFICATIONS



RECOMMENDED TIRE SIZE and INFLATION PRESSURE (COLD)

Model	Engine C.I.D. Size	Standard Tire			Optional Tire		
		Size (Load Range B)	Pressure		Size (Load Range B)	Pressure	
			Front	Rear		Front	Rear
All Except GT Option	250	C78-14	24	24	6.95-14 E70-14 7.35-14	24	24
	302	C78-14	25	25	6.95-14*	25	25
	351 & 390	E78-14			7.35-14	28	28
					F70-14 FR70-14**		
	428 Non Ram Air	E70-14	28	28	F70-14 FR70-14	28	28
428 Ram Air	F70-14						
GT Option	351	E70-14	28	28	F70-14 FR70-14	28	28
	390 & 428	F70-14					

*Use on 302 C.I.D. models only

**Use only with Optional Suspension

FULL RATED (MAXIMUM) LOAD

Model	Total Load = Occupants Plus Luggage				
	Maximum Load (Lbs.)	Total Occupants	Distribution		
			Front	Rear	Luggage
ALL	775	4	2	2	175 LBS

For Sustained High Speeds or Trailer Towing—See Pages 6 & 7

ENGINES

	200 CID I-6	250 CID I-6	302 CID V-8 2V	351 CID V-8 2V	351 CID V-8 4V	390 CID V-8 4V	428 CID V-8 4V C.J.
Type	In Line 6-Cyl.	In Line 6-Cyl.	8-Cyl. 90°V OHV	8-Cyl. 90°V OHV	8-Cyl. 90°V OHV	8-Cyl. 90°V OHV	8-Cyl. 90°V OHV
Displacement	200 Cu. In.	250 Cu. In.	302 Cu. In.	351 Cu. In.	351 Cu. In.	390 Cu. In.	428 Cu. In.
Bore and Stroke (Inches)	3.68 x 3.13	3.68 x 3.91	4.00 x 3.00	4.00 x 3.50	4.00 x 3.50	4.05 x 3.78	4.13 x 3.98
Compression Ratio	8.1:1	9.0:1	9.5:1	9.5:1	10.7:1	10.5:1	10.6:1
Brake Horsepower @ Specified rpm	120 @ 4400	155 @ 4000	210 @ 4400	250 @ 4600	290 @ 4800	320 @ 4800	335 @ 5200
Maximum Torque (lb. ft.) @ Specified rpm	190 @ 2400	240 @ 1600	295 @ 2400	355 @ 2600	385 @ 3200	427 @ 3200	440 @ 3400
Idle rpm (Adjust with lights on)(1)							
Manual Transmission	750	700 (Non-A/C) 700/500* (A/C only)	650	650	675	700	700
Automatic Transmission	550	550 (Non-A/C) 550/450* (A/C only)	550	550	575	550	650
Valve Lifters	Hydraulic Regular	Hydraulic Regular	Hydraulic Regular	Hydraulic Regular	Hydraulic Premium Regular	Hydraulic Premium Regular	Hydraulic Premium Regular
Fuel	Auto. Choke IV	Auto. Choke IV	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4V	Auto. Choke 4V
Carburetor	BF-82	BF-82	BF-42	BF-42	BF-32	BF-42	BF-32
Spark Plugs	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Spark Plug Gap							0.028"-0.032" (Ram Air)
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-3-7-2-6-5-4-8	1-3-7-2-6-5-4-8	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027"	0.025"	0.021" (S/T) 0.017" (A/T)	0.017"	0.017"	0.017"	0.017" (A/T) 0.021" (S/T)
Ignition Timing (BTDC)	6°	6°	6°	6°	6°	6°	6°
Distributor Diaphragm Type	Dual	Single	Dual (S/T) Single (A/T)	Single	Single	Dual (S/T) Single (A/T)	Dual (S/T) Single (A/T)
Manifold Vacuum (Idle)							
Minimum "Hg" (4)	17	17	16	18	18	17	17
(S/T) Synchronesh Transmission							
(A/T) Automatic Transmission							

ENGINE NOTES:

- Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open. On 200 & 302 CID engines, with automatic transmissions, adjust idle speed with the air conditioner off.
- The distributor diaphragm hose(s) must be disconnected and plugged.
- If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

*Adjust the high idle speed with the throttle solenoid operating. Adjust the low idle speed with the wire disconnected from the throttle solenoid.

1969 THUNDERBIRD

MODELS AND SPECIFICATIONS



MODELS

• 2-DOOR HARDTOP • 2-DOOR TOWN LANDAU • 4-DOOR LANDAU

IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a tab riveted to the instrument panel close to the windshield on the driver's side of the car and is visible from the outside.

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

SERVICE LOCATIONS

GAS FILLER CAP—Left Rear Fender
 OIL FILLER CAP—Front of Left Rocker Arm Cover
 PCV VALVE—Rear of Right Rocker Arm Cover
 FUSE PANEL—Inside of Glove Compartment
 CIRCUIT BREAKER PANEL—R.H. Dash Panel
 HOOD LATCH—Top Center of Grille
 To Open: Pull Lever Out, Raise Hood

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Standard Equipment		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Park & Turn Signal	4-32 c.p.	1157A
Rear Tail/Stop/Turn Signal	4-32 c.p.	1157
License Plate	4 c.p.	97
"C" Pillar	15 c.p.	1003
Auto. Trans. Quadrant & Ash Tray	1.5 c.p.	1445
Door Courtesy	6 c.p.	211 or 211-1
Luggage Compartment	6 c.p.	631
Glove Compartment	2 c.p.	1895
Back-up Lamps	32 c.p.	1156
Front Side Marker	4 c.p.	1178A
Rear Side Marker	2 c.p.	194
Instrument Panel		
Glove Compartment	2 c.p.	1895
Instrument Panel Courtesy	6 c.p.	631
Ash Tray	1.5 c.p.	1445
Turn Signal Indicators	3 c.p.	168A
Map	6 c.p.	212
Brake & Seat Belt Reminder	2 c.p.	194
Ignition Switch	1 c.p.	161
Hi-Beam	2 c.p.	194
Instruments	2 c.p.	194
Heater & A/C Controls	2 c.p.	194
Rear Vent & Wipers	2 c.p.	1895
Accessory Equipment		
Parking Brake Signal	2 c.p.	1895
Portable Trunk Lamp	15 c.p.	1003
AM/FM Stereo	1.3 c.p.	1892
Foglights	35 Watts	4415
Foglight Switch	1 c.p.	53X
Radio Pilot Light	1.9 c.p.	1893
Spotlight	30 Watts	4405
Cigar Lighter	2 c.p.	1895
Engine Compartment	6 c.p.	631
Convenience Control Panel		
Low Fuel	2 c.p.	1891
Lights On	2 c.p.	1891
Doors Ajar	1.6 c.p.	256
Seat Belt	2 c.p.	1891
A—Amber Color Bulb		

GENERAL DIMENSIONS

Wheelbase	
2-Door Hardtop & Town Landau	115.0"
4-Door Landau	117.0"
Tread	
Front	62.0"
Rear	62.0"
Over-all Length	
2-Door	206.9"
4-Door	209.4"
Over-all Width	
2-Door	77.3"
4-Door	77.2"
Over-all Height	
2-Door	52.2"
4-Door	53.4"

APPROXIMATE REFILL CAPACITIES

	(U.S. Measure)
Fuel Tank	24 gal.
Cooling System (Includes 1 qt. for heater)	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	5 qts.
Transmission, Cruise-O-Matic	12 $\frac{3}{4}$ qts.
Rear Axle	5 pts.

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Headlight Switch	18	C.B.
Tail, Parking, License, Side Marker & Headlamp Buzzer	Integral with Headlight Switch	15	C.B.
Horns, Power Windows & Seats	C.B. Panel	20	C.B.
Cigar Lighter	Fuse Panel	20	SFE
Stoptlights & Emergency Warning Flasher	C.B. Panel	20	C.B.
Interior Lights: Supplemental Stop Lamp, Tilt Column, Map, Courtesy, Dome, Glove & Luggage Comp.	Fuse Panel	14	SFE
Antenna	Fuse Panel	10	SFE
Instrument Panel Lights	Fuse Panel	6	SFE
Heater & Defroster & Power Window Safety Feed	C.B. Panel	30	C.B.
Ammeter	Fuse Panel	14	SFE
Dual Brake Warning	Fuse Panel	6	SFE
Radio & Defogger	Fuse Panel	7.5	SFE
Turn Signal Flasher and Cornering Lamp	Fuse Panel	15	SFE
Windshield Washer & Back-up Lamps	Fuse Panel	7.5	SFE
Speed Control and Seat Belt Warning Light (Std.)	Fuse Panel	15	SFE
Low Fuel, Door Ajar Reminder & Seat Belt Light	Fuse Panel	7.5	SFE
Clock & Stereo	Fuse Panel	15	SFE
SEQUENTIAL TURN SIGNAL FLASHER MOTOR AND RELAY IN LUGGAGE COMPARTMENT			
Motors: Power Window and Seats Integral with Motor			C.B.
*C.B. Circuit Breaker			



1969 THUNDERBIRD

MODELS AND SPECIFICATIONS

RECOMMENDED TIRE SIZE and INFLATION PRESSURE (cold)

Model	Standard Tire			Optional Tire		
	Size Load Range B	Pressure		Size Load Range B	Pressure	
		Front	Rear		Front	Rear
All	8.55-15	24	24	8.45-15 215-R15	25 25	25 25

FULL RATED (MAXIMUM) LOAD					
Model	Maximum Load (lbs.)	Total Occupants	Distribution		
			Front	Rear	Luggage
Tudor with Bucket Seats	750	4	2	2	150 lbs.
Bench Seats	900	5	3	2	150 lbs.
Fordor with Bucket Seats	900	5	2	3	150 lbs.
Bench Seats	1050	6	3	3	150 lbs.

Note: For sustained high speeds or trailer towing—see pages 6 & 7.

ENGINES

Type	429 CID V-8 4V
Displacement	8-Cyl. 90° V OHV
Bore and Stroke (Inches)	4.36 x 3.59
Compression Ratio	10.5:1
Brake Horsepower @ Specified rpm	360 @ 4600
Maximum Torque (lb. ft.) @ Specified rpm	476 @ 2800
Idle rpm (Adjust with lights on) (1)	
Automatic Transmission	550
Valve Lifters	Hydraulic
Fuel	Premium
Carburetor	Auto. Choke 4V
Spark Plugs (Autolite Sales No.)	BF-42
Spark Plug Gap	0.032"-0.036"
Firing Order	1-5-4-2-6-3-7-8
Distributor Point Gap	0.017"
Ignition Timing (BTDC) (2)(3)	6°
Distributor Diaphragm Type	Single
Manifold Vacuum (Idle) Minimum "Hg"	17

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.

Bronco

1969 Models &



Bronco Roadster



Bronco Wagon



Bronco Sports Pickup

GENERAL DIMENSIONS

Wheelbase	92"
Tread:	
Front	57.4"
Rear	57.4"
Over-all Length	152.1"
Over-all Width	68.8"
Over-all Height	70.7"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	14½ gal.
Auxiliary	11 gal.
Cooling System (Includes 1 qt. for heater)	
170 CID Six	9 qts.
302 CID V-8	15 qts.
Crankcase (Includes 1 qt. for filter)	
170 CID Six	7 qts.
302 CID V-8	6 qts.
Transmission:	
3-Speed Manual	3½ pts.
Front Axle	3¾ pts.
Rear Axle	6½ pts.
Transfer Case	2¾ pts.
Oil Bath Air Cleaner	1 pt.

LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Headlights	37.5-50 Watts	6012
Front Park and Turn Signal	3-32 c.p.	1157
Rear Tail, Stop and Turn Signal	3-32 c.p.	1157
License Plate	4 c.p.	1178
Map (R.P.O.)	6 c.p.	631
All Instrument Panel Lights	2 c.p.	1895
Radio Pilot	2 c.p.	1895
Warning Brakes	2 c.p.	1895
Engine Compartment	6 c.p.	631
Portable Trunk	15 c.p.	1003

LOAD CAPACITIES AND INFLATION PRESSURES

Model Code Inflation	Maximum Gross Vehicle Weight (Pounds)	Minimum Optional Equipment Req'd. for Warranty at Indicated Max. Gross Vehicle Wt.	Tire Size and Type	Recommended Cold Inflation Pressure	
				Front	Rear
U-130 (Roadster)	3900 lb. ①	—	④7.35 x 15-B-PT ⑤7.75 x 15-B-PT ⑥8.25 x 15-B-PT ⑦7.75 x 15-D-PT	30	30
U-140 (Pick-up)					
U-150 (Wagon)					
U-132 (Roadster)					
U-142 (Pick-up)	4700 lb. ②	3300 lb. Rear Axle, 1280 lb. Rear Springs	8.25 x 15-D-PT	30	32/U-142 30/Others
U-142 (Pick-up)					
U-152 (Wagon)					
			③9.15 x 15-B-PT	30	30
			③⑥.50 x 16-6PR-TT	35, 45/U-142	35/Others

① Standard GVW Rating Plate ② Optional GVW Rating Plate ③ Optional Tires
 ④ Tube Type PT—Passenger Type TT—Truck Type B—Load Range B replaces 4-ply rating D—Load Range D replaces 8-ply rating

ON FOUR-WHEEL DRIVE VEHICLES ALL TIRES MUST BE OF EQUAL SIZE AND PLY RATING

SERVICE LOCATIONS

GAS FILLER CAP LOCATION—Left Rear Quarter Panel
 HOOD LATCH LOCATION—Center of Grille
 To Open: Pull Out Hood Release Lever. Press Up on Safety Catch (Top Center of Grille) and Open Hood. Hold Open with Support Rod.
 OIL FILLER CAP—6-Cylinder: Front of Rocker Arm Cover
 —8-Cylinder: Front of Left Rocker Arm Cover
 PCV VALVE—6-Cylinder: Rear of Rocker Arm Cover
 —8-Cylinder: Rear of Right Rocker Arm Cover
 FUSE PANEL—Under Center of Instrument Panel

Specifications

Bronco

IDENTIFICATION

The car warranty number and other important identifying information is stamped on the rating plate which is attached to the inside of the glove box door.

The official Vehicle Identification Number for title and registration purposes is located on top of the right front frame rail approximately 12 inches behind the shock absorber. Do not use warranty plate information for license or title identification.

CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	12	C.B.
Stop Lights, Tail Lights, Parking Lights, License Light and Horns	Integral with Light Switch	15	C.B.
Heater and Defroster	Fuse Panel	20	SFE
Instrument Panel Lamps	Fuse Panel	2	AGA
Emergency Warning Flasher	Fuse Panel	20	AGX
Turn Signal and Backup Lights, Radio and Windshield Washers	Fuse Panel	14	SFE
Cigar Lighter and Dome Lamp	Fuse Panel	15	AGW

*C.B. Circuit Breaker

ENGINES

	170 CID I-6	302 CID V-8 2V
Type	In Line 6-Cyl.	8-Cyl. 90° V OHV
Displacement	170 Cu. In.	302 Cu. In.
Bore and Stroke (Inches)	3.50 x 2.94	4.00 x 3.00
Compression Ratio	8.7:1	8.6:1
Brake Horsepower @ Specified rpm	105 @ 4400	220 @ 4600
Maximum Torque (lb. ft.) @ Specified rpm	158 @ 2400	300 @ 2600
Idle rpm (Adjust with lights on) (1)	750	650
Valve Lifters	Hydraulic	Hydraulic
Fuel	Regular	Regular
Carburetor	Auto. Choke 1V	Auto. Choke 2V
Spark Plugs (Autolite Sales No.)	BF-82	BF-42
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"
Firing Order	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027"	0.021"
Ignition Timing (BTDC) (2)(3)	6°	6°
Distributor Diaphragm Type	Dual	Dual
Manifold Vacuum (Idle) Minimum "Hg" (4)	17	16

ENGINE NOTES:

- (1) Idle speeds are adjusted with the headlights "On", automatic transmission in drive, and the air conditioner operating at maximum cooling for a minimum of twenty minutes, with the windows open. On 302 CID engines, with automatic transmissions, adjust idle speed with the air conditioner off.
- (2) The distributor diaphragm hose(s) must be disconnected and plugged.
- (3) If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded from the "normal" setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
- (4) Subtract one-inch of mercury for engines equipped with dual diaphragm distributors.

SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-117	AX-122	—
Rear	AB-103	AX-125	AA-133

MODELS

- CLUB WAGON BUS
- ECONOLINE VAN
- ECONOLINE WINDOW VAN
- ECONOLINE DISPLAY VAN

IDENTIFICATION

The vehicle warranty number is stamped on the warranty plate, which is attached to the rear face of the left front door lock panel.

The official Vehicle Identification Number for title and registration purposes is stamped on the inboard face of the alternator regulator bracket.

GENERAL DIMENSIONS

Wheelbase	
Regular Van	105.5"
SuperVan	123.5"
Over-all Length	
Regular Van	169.1"
SuperVan	187.1"
Unobstructed Floor Dimensions	
Width between wheelhousings	53.5"
Length behind driver:	
Regular Van	103.7"
SuperVan	121.7"

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tanks	24 gals.
Cooling System (Includes 1 qt. for heater)	
170 CID (Std. and Extra Cooling)	10 qts.
240 CID	12 qts.
240 CID (Extra Cooling)	16¼ qts.
302 CID (Std. and Extra Cooling)	16¼ qts.
Engine Crankcase (Includes 1 qt. for filter)	
170 CID	4½ qts.
240 & 302 CID	5 qts.
Transmission	
3-Speed Manual	3½ pts.
SelectShift Cruise-O-Matic	10¼ qts.
Rear Axle	
Standard, Heavy Duty and Limited Slip	6 pts.

LIGHTS (12 VOLTS)

	CANDLE POWER OR WATTAGE	LAMP NUMBER
Cigar Lighter	1.5 c.p.	1156
Alternator Indicator	2 c.p.	1895
Dual Brake Warning	2 c.p.	1895
Back-up Lamp	32 c.p.	1156
Front Turn Signal	32 c.p.	1157A
Headlight	50-40 watts	6012
High Beam Indicator	2 c.p.	1895
Interior, Dome and Cargo	15 c.p.	1003
Turn Signal Indicator	2 c.p.	1895
Oil Pressure Indicator	2 c.p.	1895
Parking and Front Turn Indicator	3-32 c.p.	1157
Radio Dial	1.9 c.p.	1891
Rear License Plate	4 c.p.	97 or 1155
Speedometer and Odometer	2 c.p.	1895
Spotlight	30 watt	4405
Stop, Tail, and Rear Turn Indicator	3-32 c.p.	1157
Seat Belt Reminder	2 c.p.	1895
Fog Lamps	35 watt	4415A
Fog Lamp Switch	1.5 c.p.	53X

A—Amber Color Bulb



ECONOLINE VAN



CLUB WAGON BUS



ECONOLINE WINDOW VAN



ECONOLINE DISPLAY VAN

Specifications

Econoline

FUSES AND CIRCUIT BREAKERS

	LOCATION	CIRCUIT PROTECTION	FUSE NO.		LOCATION	CIRCUIT PROTECTION	FUSE NO.
Headlamps	Integral with light switch	12 amp. C.B.	—	Heater and Defroster	Fuse panel—on engine side panel. L.H. side under instrument panel.	20 amp. Fuse	AGX 20
Tail, License and Parking Lamps and Horns	Integral with light switch	15 amp. C.B.	—	Instrument Panel Lamps	Fuse panel—on engine side panel. L.H. side under instrument panel.	2 amp. Fuse	AGA 2
Turn Signal, Back-Up Lamps and Windshield Washer Circuits	Fuse panel—on engine side panel. L.H. side under instrument panel.	14 amp. Fuse	SFE 14	Spotlight or Radio	Cartridge in feed line	7.5 amp. Fuse	SFE 7.5
Emergency Warning and Stoplamp Circuits	Fuse panel—on engine side panel. L.H. side under instrument panel.	20 amp. Fuse	AGX 20	Windshield Wiper System	Integral with wiper switch	C.B.	—
Cigar Lighter, Dome Lamp and Cargo Lamp	Fuse panel—on engine side panel. L.H. side under instrument panel.	15 amp. Fuse	AGC 15	Fog Lamps	Integral with wiper switch	10 amp. Fuse	AGA 10
				Auxiliary Heater	Cartridge in feed line	14 amp. Fuse	SFE 14

ENGINE

	170 CID I-6	240 CID I-6	302 CID V-8 2V
Type	In Line 6 Cyl.	In Line 6 Cyl.	8-Cyl. 90°V OHV
Displacement	170 Cu. In.	240 Cu. In.	302 Cu. In.
Bore & Stroke (Inches)	3.50 x 2.94	4.00 x 3.18	4.00 x 3.00
Compression Ratio	8.7:1	9.2:1	8.6:1
Taxable (SAE) Horsepower	29.4	38.4	51.2
Max. Brake Horsepower @ Specified rpm	100 @ 4000	150 @ 4000	205 @ 4600
Max. Gross Torque (Lb. Ft.) @ Specified rpm	156 @ 2200	234 @ 2200	300 @ 2600
Idle rpm (1)			
Manual Transmission	750	550 (5)	650
Automatic Transmission	—	500	550
Ignition Timing (BTC) (2) (with Vac. disc.)			
Manual Transmission	6°	6°	6°
Automatic Transmission	—	6°	6°
Distributor			
Breaker Point Gap	0.027"	0.027" (Bus) 0.025" (Van) 35°-40°	0.021" (Bus)S/T 0.017" (Bus)A/T & all Vans
Dwell Angle	35°-40°	35°-40°	24°-29°
Spark Plug (Autolite Sales No.)	BF-82	BTF-42	BTF-31
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"	0.028"-0.032"
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Compression Pressure-Psi (3)			
Sea Level @ Cranking Speed	150-200	150-200	130-170
Engine Idle Manifold Vacuum (4)	17	15	18
Carburetor	Man. Choke 1V	Man. Choke 1V	Man. Choke 2V
Fuel	Regular	Regular	Regular
Valve Lifter Tappets	Solid	Hydraulic	Hydraulic

ENGINE NOTES

(1) Adjust with headlights "on" automatic transmission in drive, and A/C at max. cooling. (2) If the individual requirements of the vehicle and/or the use of sub-standard fuel dictate, the initial timing may have to be retarded from the normal setting to eliminate detonation (spark knock). If retarding is necessary, it should be done progressively and not exceed 2° BTC. (3) Allowable variation between cylinders—20 psi. (4) Minimum inches of Mercury @ specified rpm (sea level) with auto. trans. in neutral. Subtract 1-inch for engines with dual diaphragm distributors. (5) With solenoid throttle modulator de-energized.

SHOCK ABSORBERS

(Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
FRONT	AB-137	-----	-----
REAR	AB-138	-----	-----

FORD TRUCKS

1969 Models &

Ford F-100



Ford F-250



Ford F-350



Ford Parcel Delivery



GASOLINE ENGINES

Engine	240 CID	300 CID	360 CID	390 CID
Bore (Inches)	4.00	4.00	4.05	4.05
Stroke (Inches)	3.28	3.98	3.50	3.786
Taxable (SAE) Horsepower	38.4	38.4	51.2	52.5
Compression Ratio	9.2:1	8.8:1	8.4:1	8.6:1
Engine Idle Speed (rpm)①	500/775②	600	650	650
Standard Transm.③④				
Over 6000 GVW (Calif.)	600	—		
Automatic Transm.③④⑤	500/775②	500	550	550
Over 6000 GVW (Calif.)	525			
Cylinder Firing Order	1-5-3-6-2-4		1-5-4-2-6-3-7-8	
Spark Plug Number	BTF-42	BTF-42	BF-32	BF-32
Spark Plug Gap	0.032-0.036			
Distributor Point Gap				
Imco	0.027	0.027	0.021	0.021
Non Exhaust Emission	0.025	0.025	0.017	0.017
Ignition Timing—°BTC①				
Non-Exhaust Emission				
Standard Transmission	6°③	6°③	6°③	10°③
Automatic Transmission	10°③	10°③	10°③	10°③
Imco	6°	6°	6°	6°

① If the individual requirements of the vehicle and/or use of sub-standard fuels dictate the initial timing may have to be retarded from the "Normal" setting to eliminate detonation. If retarding is necessary it should be done progressively and not to exceed 2° B.T.C.

② With headlights ON ③ Transmission in drive

④ Air conditioner operated 20 minutes prior to setting

⑤ Higher idle speed with throttle activator energized

FORD DIESEL ENGINE

Engine	4-Cylinder 242
Bore (inches)	4.125
Stroke (inches)	4.52
Displacement (cubic inches)	242
Taxable (SAE) Horsepower	27.2
Horsepower @ rpm—Net	74 @ 2800
Gross	82.5 @ 2800
Maximum Torque (ft. lb. @ rpm)—Net	186 @ 1700
Gross	-186 & 1700
Compression Ratio	16.5 to 1
Compression Pressure	363 psi @ 215
Maximum Engine rpm (No Load)	3090
(Loaded)	2800
Idle Speed (rpm @ Neutral) Hot	500-550
Valve Lash Hot (inches)—Intake	.015
—Exhaust	.012
Oil Pressure Hot (psi)	45-55
Cylinder Firing Order	1-2-4-3
Air Cleaner—Type	Oil Bath
Injection System	
Injector Nozzle Opening Pressure psi	2600-2700 psi
Injector Pump Timing	22° BTDC
Belt Tension (New)	140 lbs.
(Reset—After 10 min. operation)	110 lbs.

Specifications

SERIES 100 THRU 350, AND P SERIES

FORD TRUCKS

APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

COOLING

Engine	Truck Model	Approx. Capacity* (Quarts) U.S. Measure
240	F-100-250—4 x 2 (Manual Transmission) (Automatic Transmission) W/Air Conditioning	13
		14½
		17
240	F-100-250—4 x 4, F-350 Single Rim Rear Wheels W/Air Conditioning	12 18½
240	F-350 Single Rim Rear Wheels (Automatic Transmission)	14½
240	F-350 Dual Rear Wheels W/Air Conditioning	17 18½
240	P-350-400-500	17
300	F-100-250—4 x 2, F-100-250—4 x 4, F-350 Single Rim Rear Wheels W/Air Conditioning	14½
		17
300	F-350 Single Rim Rear Wheels (Automatic Transmission) W/Air Conditioning	17
		18½
300	F-350 Dual Rear Wheels W/Air Conditioning	17
		18½
300	P-350-400-500	18
360	F-100-250—4 x 2 W/Air Conditioning	22
		22½
360	F-100-250—4 x 4, F-350 Single Rim Rear Wheels, F-350 Dual Rear Wheels W/Air Conditioning	22½
		24
390	F-100-250—4 x 2	22½
390	F-350 Single Rim Rear Wheels, F-350 Dual Rear Wheels W/Air Conditioning	22½
		24

*Includes 1 quart for trucks equipped with heater.

CRANKCASE

(Add 1 quart for filter)

Engine	Quarts
240 CID 6 Cyl.	4
240 CID 6 Cyl. (4 x 4, F-350 and P-Series)	5
300 CID 6 Cyl.	5
300 CID 6 Cyl. (4 x 4 and P-Series)	5
360 & 390 CID V-8	5
242 CID DIESEL (Add 1½ pints for full-flow filter)	10

REAR AXLE

Rear Axle Model	Truck Model	Pints
Ford 3300	F-100, P-100	6½
Dana 44F (front axle)	4-Wheel Drive (F-100, F-250)	3¼
Dana 44F HD (front axle)	4-Wheel Drive (F-250)	3¼
Dana 60-3	F-100	6
Dana 60	F-250, P-350, P-3500	6
Dana 70	F-350, P-350, P-3500, P-400, P-4000	6
Rockwell C-100-N	P-500, P-5000	13
Rockwell D-100-N	P-500	13

*Add 1 pint for each steering knuckle.

FUEL TANK

Tank Type	Truck Model	Gallons
Standard	F-Series (Cab Models)	19.5
Standard	F-100 250 Chassis Windshield, P-Series Chassis, F-350 Series Cowl or Chassis Windshield Models	17
Optional (mounted outside of frame)	P-350/500	30
Optional (mounted under cab)	F-100/350	25

TRANSMISSION

Transmission Type and Make	Pints
3-Speed (Ford)	3½
3-Speed w/Overdrive (Warner T-85-N)	4
3-Speed Medium Duty (Warner T-89-F)	3¼
3-Speed Heavy Duty (Warner T-87-G)	5½
4-Speed (Warner T-18)	6½
4-Speed (New Process 435)	6½
MXHD Cruise-O-Matic	22
C-4 Automatic	20½
C-6 Automatic	25½
4-Wheel Drive Transfer Case Single Speed F-100	1¼
4-Wheel Drive Transfer Case 2-Speed F-250	4½

CIRCUIT PROTECTION

Circuit	F-100-350	P-Series
Tail, Park, License, Marker and Stop Lights		12 amp. C.B. ③
Tail, Park, License, Marker Lights and Horn	15 amp. C.B. ③	
Dome, Courtesy, Map, Cargo Lights and Cigar Lighter	Models 81, 85 AGW 15 Fuse ① Model 84	SFE or AGW 7.5 Fuse
Turn Signal, Backup Lights and W/S Washer (F-Series Only)		SFE-14 Fuse ① AGC-10 Fuse ④
W/S Washer Pump	Integral C.B.	AGC-10 Fuse ④
Instrument Panel Lights	AGA-2 Fuse ③	AGA-1 ③
Emergency Warning and Stop (F-Series Only) Lights		SFE-20 or AGA-20 Fuse ① SFE-14 Fuse ③
Headlights	12 amp. C.B. ③	12 amp. C.B. ③
Heater	AGC or SFE-20 Fuse ①	SFE-14 Fuse ④
W/S Wiper	C.B. ③	C.B. ③
Roof Marker Lamps F-350 Stake Platform or Dual Wheels	25 amp. C.B.	
Charging and Gauge Circuit	AGW-4 } Fuse ① 7AG }	
Overdrive Transmission	AGC-15 Fuse ③	
Fuel System (Dorset Diesel)		6 amp. C.B.

① Fuse Panel

② Integral with Headlamp Switch

③ Clip on O.D. Relay

④ Cartridge in Feed Wire

⑤ Integral with Switch

NOTE: DO NOT exceed 8.5 amp. load across ignition switch for rear light circuit on trucks or buses with hydraulic stop light switch.

LIGHTS (12 VOLTS)

Description	Candle Power or Wattage	Lamp Number
Cigarette Lighter Socket	1.5 c.p.	1445
Dome Light	1.5 c.p.	1004
Front Parking Only	4 p.c.	97
Front Turn Signal/Parking	32-3 c.p.	1157
Heater Control	2 c.p.	1895
Alternator Indicator	2 c.p.	1895
Headlights		
Single—High/Low Beam	50/40 Watts	6012
Instrument Cluster Illumination	2 c.p.	1895
Instrument Panel Indicators—Hi-Beam	2 c.p.	1895
Marker	4 c.p.	97
Oil Pressure	2 c.p.	1895
Radio Dial	2 c.p.	1895
Rear License Light Only	4 c.p.	97
Rear Turn Signal & Stop/Tail	32-3 c.p.	1157
Spotlight Par 46	30 Watts	4435
Spotlight Par 36	30 Watts	4405
Rear or Front Turn Signal only	32 c.p.	1156
Fog Lights, Amber	35 Watts	4415A
Fog Light Switch	1 c.p.	53X
Turn Signal Indicator	2 c.p.	1895
Brake Warning Light	1.5 c.p.	1445

FORD TRUCKS

1969 Models &

ENGINES (GAS)

	300LD-6	300HD-6	330MD V-8	330HD V-8	361 V-8	391 V-8	401 V-8	477 V-8	534 V-8
Bore (inches)	4.000	4.000	3.875	3.875	4.050	4.050	4.125	4.500	4.500
Stroke (inches)	3.980	3.980	3.500	3.500	3.500	3.786	3.750	3.750	4.200
Taxable Horsepower	38.40	38.40	48.05	48.05	52.49	52.49	54.00	65.00	65.00
Brake Horsepower @ Special rpm	170 @ 3600	170 @ 3600	190 @ 4000	190 @ 4000	210 @ 4000	235 @ 4000	226 @ 3600 (4V)	253 @ 3400 (4V)	266 @ 3200 (4V)
Engine Governed rpm									
Manual Transmission (load)	3600	3600	3600	3600	3600	3600	3400	3200	3000
(no-load)	3800	3800	3900	3800	3800	3800	25-3400	25-3400	25-3200
Auto. Transmission (load)	3600	3600	3600	3600	3600	3600	3600	3400	3200
(no-load)	3800	3800	3900	3900	3800	3800	3800	3600	3400
Max. Gross Torque lb.-ft. @ rpm	283 @ 14-2400	283 @ 14-2400	305 @ 2000	306 @ 2000	345 @ 2000	372 @ 2000	343 @ 20-2600	415 @ 20-2600	481 @ 16-1800
Compression Ratio	8.8:1	8.8:1	7.4:1	7.4:1	7.4:1	7.4:1	7.5:1	7.5:1	7.5:1
Compression Pressure psi @ Cranking Speed	150-200	150-200	120-160	120-160	120-160	120-160	130-170	130-170	130-170
Idle Speed rpm (with lights on) (1)									
Manual Transmission	500	500	550	550	550	550	550	550	550
Automatic Transmission—(In Drive)	600	600	550	550	550	550	550	550	550
Ignition Timing (BTDC) (2) (3)									
Manual Transmission	6°	6°	12°	6°	6°	6°	8°	8°	8°
Automatic Transmission	6°	6°	—	6°	6°	6°	8°	8°	8°
Oil Pressure—Hot psi @ 2000 rpm	35-60	35-60	35-60	35-60	35-60	35-60	35-60	35-60	35-60
Oil Capacity (qts.) (add 1 qt. for filter) *(add 2 qt. for filter)	5	6	8	8	8	8	9*	9*	9*
Firing Order	1-5-3-6-2-4	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	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2
Distributor Point Gap—Conventional	0.025	0.025	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Transistorized Dist.—Point Gap (inches)	0.027	0.027	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Spark Plug Gap (inches)	0.032 0.036	0.028 0.032	0.028 0.032	0.028 0.032	0.028 0.032	0.028 0.032	0.028 0.032	0.028 0.032	0.028 0.032
Spark Plug	BTF-42	BTF-31	BTF-31	BTF-31	BTF-31	BTF-31	BTF-31	BTF-31	BTF-31

ENGINES (DIESEL)

	Ford 363	C-160	CF-160	C-180	NHE-195	NH-220	NHC-250	NTC-335	V8E-235	V8-265	6V-53N	1673
Bore (inches)	4.125	4.438	4.438	4.438	5.125	5.125	5.500	5.500	5.500	5.500	3.870	4.500
Stroke (inches)	4.516	5.000	5.000	5.000	6.000	6.000	6.000	6.000	4.125	4.125	4.500	5.500
Brake Horsepower @ rpm	128 @ 2800	160 @ 2500	160 @ 2800	180 @ 2500	195 @ 1950	220 @ 2100	250 @ 2100	335 @ 2100	235 @ 2100	265 @ 2600	195 @ 2600	225 @ 2200
Engine Governed rpm	3090 NL 3800 FL	2500	2800	2500	1950	2100	2100	2100	2100	2600	2600	2200
Maximum Gross Torque lb.-ft. @ rpm	254 @ 1400	376 @ 1400	345 @ 1800	425 @ 1700	580 @ 1300	606 @ 1600	685 @ 1500	895 @ 1500	576 @ 1600	600 @ 1800	446 @ 1500	605 @ 1700
Compression Ratio	16.0:1	15.8:1	15.8:1	14.5:1	15.0:1	15.0:1	15.0:1	14.1:1	17.0:1	17.0:1	21.0:1	18.0:1
Compression Pressure psi @ Cranking Speed	365	365	365	365	365	365	365	365	365	365		
Idle Speed rpm	525	520	520	520	520	520	520	520	520	520		
Displacement (cu. in.)	363	464	464	464	743	743	855	855	785	785	318	525
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2	1-3R-3-2R-2L-1R	1-5-3-6-2-4
Oil Pressure—Hot psi @ rpm	30-40	30-50	30-50	30-50	30-50	30-50	30-50	30-50	35-40	35-40		45-55

ENGINES (DIESEL) continued

	6-71NE-N55	6-71N-N60	6-71N-N65	8V-71NE-N55	8V-71N-N60	8V-71N-N65	V150D	V175D	V200D	V225D
Bore (inches)	4.250	4.250	4.250	4.250	4.250	4.250	4.500	4.500	4.500	4.500
Stroke (inches)	5.000	5.000	5.000	5.000	5.000	5.000	4.100	4.100	4.500	5.000
Brake Horsepower @ rpm	195 @ 1950	218 @ 2100	238 @ 2100	260 @ 1950	290 @ 2100	318 @ 2100	150 @ 3200	175 @ 3200	200 @ 3000	225 @ 2800
Max. Gross Torque lb.-ft. @ rpm	570 @ 1200	604 @ 1200	650 @ 1400	761 @ 1200	805 @ 1200	864 @ 1400	302 @ 1800	352 @ 1600	435 @ 1600	530 @ 1400
Compression Ratio	18.7:1	18.7:1	18.7:1	18.7:1	18.7:1	18.7:1	—	—	—	—
Displacement (cu. in.)	426	426	426	568	568	568	522	522	573	636

Specifications

SERIES 500 THRU 1000

FORD TRUCKS

ENGINE COOLING SYSTEM AND CRANKCASE REFILL CAPACITIES

(U.S. Measure)

GAS ENGINES

ENGINE	TRUCK MODEL	COOLING CAP. (QTS.) (1)	CRANKCASE CAP. (QTS.) (2)
240 Six	F-500-600, N-500-600, B-500-600	18	5 (4)
300 Six	F-500, N-500, B-500	18	5 (4)
300 HD Six	F-600, N-600, B-600 C-550, C-600	18 22	6 (4)
330 V-8	F-500, N-500, B-500, F-600 N-600, B-600, B-700 C-550, C-600	24 (2) 26 (3) 28 (2), 29 (3)	8 (4)
330 HD V-8	F-600, N-600, F-700, B-600 N-700, B-700 C-700, C-600, T-800	24 (2) 26 (3) 28 (2), 30 (3)	8 (4)
361 V-8	F-600, B-600, F-700, B-700, T-700 F-750, B-750, T-750, F-800, T-800 N-600, N-700, N-750 C-600, C-700, C-750, C-800 CT-750, CT-800	24 (2) 26 (3) 26 28 (2) 30 (3)	8 (4)
391 V-8	F-750, B-750 C-750, CT-750 C-800, CT-800	24 (2), 26 (3) 28 (2) 30 (3)	8 (4)
401 SD V-8	F-850, T-850 F-950, T-950 C-850, C-950 CT-850, CT-950 N-850, NT-850, N-950, NT-950	46 (2) 53 (3) 51 (2), 58 (3) 51 46	9 (5)
477 SD V-8	F-850, T-850, F-950, T-950 F-1000 C-850, C-950, C-1000 CT-850, CT-950 N-850, NT-850, N-950, NT-950, N-1000	46 (2) 58 (3) 51, 58 (3) 51 (2) 46	9 (5)
534 SD V-8	C-1000 CT-850, CT-950 NT-850, NT-950, F-1000, N-1000 T-850, T-950	52 (2), 59 (3) 52 46 46 (2), 53 (3)	9 (5)

Notes: (1) Add 1 quart for trucks equipped with heater
(2) Except with Transmatic (3) With Transmatic
(4) Add 1 qt. when changing oil filter (5) Add 2 qts. when changing oil filter

DIESEL ENGINES

ENGINE	TRUCK MODEL	COOLING CAP. (QTS.) (1)	CRANKCASE CAP. (GALS.) (2)
NHE-195 NH-220 NHC-250	N-1000-D, NT-850-D, NT-950-D W-1000-D, WT-1000-D	43 47	5
C-160 CF-160 C-180	F-8000, T-8000 C-8000	36 34	4½
V8E-235 V8-265	W-1000-D, WT-1000-D	54	4
NTC-335	W-1000-D, WT-1000-D	54	7½
8V-71N 8V-71NE	W-1000-D, WT-1000-D	56	9½
6-71N	W-1000-D, WT-1000-D, N-1000-D, NT-850-D	45	6½
6V-53-N	N & T 8000	28	4¾
1673 1673-B	W-1000-D, WT-1000-D	43	6¾
Ford 363	C-6000, C-7000 F-, N-, B-6000 & 7000	27 23	3
CAT- 1100 SERIES	F & B-6000 (150 hp) F & B-4000 (175 hp) T-8000 (175 hp) F & T-8000 (200-225 hp) C-Series (all)	40 41 45 42 42	3

Notes: (1) Add 1 U.S. qt. for trucks with heater
(2) Add 13 U.S. qts. when equipped with optional by-pass oil filter

TRANSMISSION REFILL CAPACITIES

TRANSMISSION TYPE AND MAKE	FILLER LOCATION	DRAIN LOCATION	APPROX. CAPACITY (PINTS)
3-Speed Auxiliary (Spicer 5831)	Rt	L	4
3-Speed H.D. Auxiliary (Spicer 7231)	Rt	L	8
3-Speed H.D. Auxiliary (Spicer 8031)	Rt	L	12
3-Speed H.D. Auxiliary (Fuller 3D65 & 3J65)	Rt	Bottom	13
4-Speed Auxiliary (Spicer 7041)	Rt	L	11
4-Speed Auxiliary (Spicer 8341)	Rt	L	12
4-Speed H.D. Auxiliary (Fuller 4C75)	Rt	Bottom	12
4-Speed (New Process NP-435)	L	L	6¼
5-Speed Extra Heavy Duty (Clark 300)	Rt	Center Rear	15
5-Speed Extra Heavy Duty (Spicer 5000)	Rt	L	13
5-Speed Extra Heavy Duty (Spicer 6000)	Rt	L	17
5-Speed (Fuller 5H74-A)	Rt	Bottom	22
5-Speed (Fuller T-905-A)	L	Bottom	22
10-Speed (Fuller R-96-960)	L	L	33
10-Speed (Fuller RT & RTO-910)	L	Bottom	26
10-Speed (Fuller RT-510)	L	Bottom	12
12-Speed (Spicer 8312)	L	L	32
15-Speed (Fuller RT & RTO-915)	L	Bottom	26
Transmatic Drive (MT-30, MT-40)	*Rt	L	38

*On a C-Series truck, the dipstick should be removed through the opening in the panel behind the seat back cushion with the cab in its normal position.
Rt—Right L—Left

REAR AXLE REFILL CAPACITIES

REAR AXLE MODEL	TRUCK MODEL	APPROX. CAP. (PINTS)
Rockwell C-100-N	F, N, B-500, P-500, P-5000	12½
Rockwell D-100-N	F, N, B-500, C-500, P-500	12½
Eaton 13800	N, C-6000	19
Rockwell F-106-NX-6	F, B, C-6000, 700, N, C-7000	13
Eaton 16802	F, C, N-600, 700, C, N-6000 & 7000	24
Rockwell H-140	F, C, B, N-600, 700, 750, C, N-7000, F-800 F, B, C, N-750, F-800	24 18
Eaton 13802	F, C, N-600, F, B, C, N-700, C, N-6000, F, N-, 500 C-550	19
Eaton 1790-A	N-850, F-850, C-850, F-950-D	30
Eaton 1880	N-850, N-950, F-850, F-950-D, C-850, C-950	28
Eaton 1918	N-950, N-1000, NT-850-D, NT-950-D, N-1000-D, F-1000, F-950-D, F-1000-D, W-1000-D, WT-1000-D*, C-1000	34
Eaton 8802	N-950, F-950, F-950-D, C-850, C-950	28
Eaton 9502	N-950, N-1000, N-1000-D, F-950-D, F-1000-D, C-950, C-1000	34
Eaton 17800 (2-Spd.)	N-850, F-850, C-850, F-950-D	30
Eaton 18802 (2-Spd.)	N-850, N-950, F-850, F-950, C-850, C-950, N-1000-D, F-950-D	28
Eaton 19800 (2-Spd.)	N-850, N-950, F-950, F-850, W-1000-D, WT-1000-D*	
Rockwell R-171	W-1000-D	43

TANDEM AXLES	TRUCK MODEL	FOR- WARD	REAR- WARD	POWER DIVIDER
Eaton 34DS, 34DS3, 34DTA	WT-1000-D	30	29	2
Rockwell SLHD	WT-1000-D	32½	32	2
Rockwell SHHD	CT-800, T-8000, T, NT, CT-850, T-850-D	22	21	2

Notes:*—Forward rear axle is a dead axle.



AUTOLITE PART NUMBER

CYL.	ENG. C.I.D.	SPARK PLUG			IGNITION PARTS						PCV VALVE	GEN./ALT.	
		STD.	RESISTOR	GAP	POINTS	COND.	CAP	ROTOR	COIL	TUNE-UP KIT		BRUSH SET	REGULATOR
FORD													
6 cyl. S/T 240		BF-42	BRF-42	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-46	GB-107	GR-341
6 cyl. A/T 240		BF-42	BRF-42	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-46	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 390		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 390		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. 4 Bbl. Carb. 428		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 429		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 429		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 429		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 429		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
FAIRLANE													
6 cyl. A/T & S/T 250		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 351		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 351		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 351		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 351		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 'GT' 390		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 'GT' 390		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. 4 Bbl. Carb. 427		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 428		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 428		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
FALCON													
6 cyl. S/T 170		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
6 cyl. A/T 170		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-47	GB-107	GR-341
6 cyl. S/T 200		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
6 cyl. A/T 200		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-5	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
MUSTANG													
6 cyl. S/T 200		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
6 cyl. A/T 200		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-5	GB-107	GR-341
6 cyl. S/T 250		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
6 cyl. A/T 250		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 302		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb. 351		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 351		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb. 351		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 351		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 390		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 390		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb. 428		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb. 428		BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
THUNDERBIRD													
8 cyl. 429 C.I.D.		BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341

¹DP-70 Pivotless Point Set can be used.

²With Carter Carburetor.

⁴With A/C use SV-27F (70 Amp.)

⁵Universal Spark Plug Set 3119 may also be used.

³DP-77 Pivotless Point Set can be used.

⁶Universal Spark Plug Set 3162 may also be used.

APPLICATION CHART...1969 Vehicles

STARTER		FILTERS			IGN. CABLE		BATTERY				
BRUSH SET	SWITCH	OIL	AIR	GAS	SETS		STARTER CABLE	GROUND CABLE	STA-FUL	STD.	UNIFILL
					STATIC SHIELD	COPPER					
SB-134	SW-3	FL-1	FA-52 ²	FG-14	3811 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-51	FG-14	3811 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-24F ⁴	AL-24F	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7246	SV-21R ⁴	—	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7246	SV-24F ⁴	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-24F	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-24F	—	—
SB-134	SW-3	FL-1	FA-41	FG-19	3812 ⁶	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-41	FG-19	3812 ⁶	2162	7106	7414	SV-24F	—	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-97	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-68	FG-14	3803 ⁵	2119	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-68	FG-14	3803 ⁵	2119	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7134	7234	—	—	HVU-27HF



AUTOLITE PART NUMBER

CYL.	ENG. C.I.D.	SPARK PLUG			IGNITION PARTS						PCV VALVE	GEN./ALT.	
		STD.	RESISTOR	GAP	POINTS	COND.	CAP	ROTOR	COIL	TUNE-UP KIT		BRUSH SET	REGULATOR
COUGAR													
8 cyl. S/T 2 Bbl. Carb.	351	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	351	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb.	351	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	351	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	390	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	390	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. 4 Bbl. Carb.	427	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	428	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	428	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
MONTEGO													
6 cyl. S/T 250		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
6 cyl. A/T 250		BF-82	BRF-82	.035	DP-3 ¹	DC-13	DH-4	DR-87	DG-5	DK-16	EV-43	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb.	302	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb.	302	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb.	351	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb.	351	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	351	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	351	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	390	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	390	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-42	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	428	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	428	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-45	GB-107	GR-341
MERCURY													
8 cyl. S/T 2 Bbl. Carb.	390	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb.	390	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. 4 Bbl.	428	BF-32	BRF-32	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 2 Bbl. Carb.	429	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 2 Bbl. Carb.	429	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. S/T 4 Bbl. Carb.	429	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
8 cyl. A/T 4 Bbl. Carb.	429	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
LINCOLN													
8 Cyl. 4 Bbl. Carb.	460	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341
MARK III													
8 cyl. 4 Bbl. Carb.	460	BF-42	BRF-42	.035	DP-12 ³	DC-13	DH-6	DR-5	DG-5	DK-10	EV-8	GB-107	GR-341

¹DP-70 Pivotless Point Set can be used.

⁴Universal Spark Plug Set 3119 may also be used.

²DP-77 Pivotless Point Set can be used.

⁵Universal Spark Plug Set 3162 may also be used.

³With A/C use SV-27F (70 Amp.)

SHOCK ABSORBERS (Autolite Sales No.)

		Auto-Flex	Auto-Flex XD	Super-Flex
Ford	Front	AB-105	AX-110	—
	Rear	AB-104	AX-108	AA-134
Fairlane	Front	AB-16	AX-31	—
	Rear	AB-21 (Exc. S/W) AB-119 Sta. Wag.	AX-121 (Exc. S/W) AX-120 Sta. Wag.	AA-144 (Exc. S/W) AA-143 Sta. Wag.
Falcon	Front	AB-16	AX-31	—
	Rear	AB-21 (Exc. S/W) AB-119 Sta. Wag.	AX-121 (Exc. S/W) AX-120 Sta. Wag.	AA-144 (Exc. S/W) AA-143 Sta. Wag.
Mustang	Front	AB-123	AX-129	—
	Rear	AB-21	AX-76	AA-145
Thunderbird	Front	AB-105	AX-110	—
	Rear	AB-104	AX-108	AA-134

APPLICATION CHART...1969 Vehicles

STARTER		FILTERS			IGN. CABLE		BATTERY				
BRUSH SET	SWITCH	OIL	AIR	GAS	SETS		STARTER CABLE	GROUND CABLE	STA-FUL	STD.	UNIFILL
					STATIC SHIELD	COPPER					
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-19	3812 ⁶	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-41	FG-19	3812 ⁶	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-51	FG-14	3803 ⁵	2119	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-21R	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7106	7304	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-19	3812 ⁶	2162	7106	7414	SV-21R	—	—
SB-134	SW-3	FL-1	FA-41	FG-19	3812 ⁶	2162	7106	7414	SV-24F	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-41	FG-14	3812 ⁶	2162	7106	7414	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	SV-21R ⁴	—	—
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	SV-24F ⁴	AL-24F	—
SB-134	SW-3	FL-1	FA-41	FG-15	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3812 ⁶	2162	7106	7246	—	—	HVU-27HF
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7134	7234	—	—	HVU-29HR
SB-134	SW-3	FL-1	FA-50	FG-14	3162	2162	7134	7234	—	—	HVU-29HR

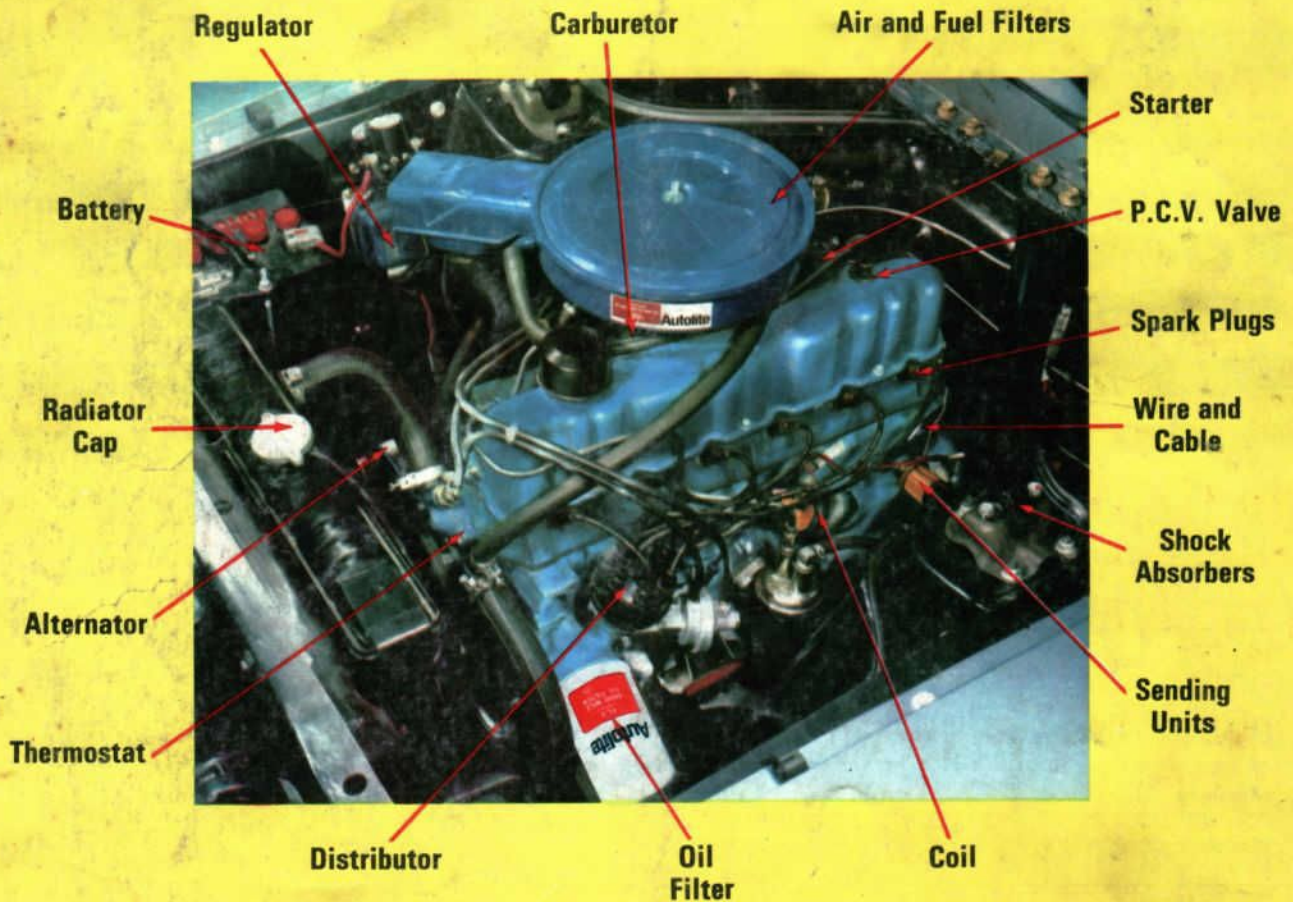
SHOCK ABSORBERS (Autolite Sales No.)

		Auto-Flex	Auto-Flex XD	Super-Flex
Cougar	Front	AB-123	AX-129	—
	Rear	AB-21	AX-124	AA-145
Montego	Front	AB-16	AX-31	—
	Rear	AB-21 (Exc. S/W) AB-119 Sta. Wag.	AX-121 (Exc. S/W) AX-120 Sta. Wag.	AA-144 (Exc. S/W) AA-143 Sta. Wag.
Mercury	Front	AB-105	AX-110	—
	Rear	AB-104	AX-108	AA-134
Lincoln Continental	Front	AB-70	AX-58	—
	Rear	AB-90	AX-77	AA-132
Continental Mark III	Front	AB-105	AX-110	—
	Rear	AB-104	AX-108	AA-134

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