

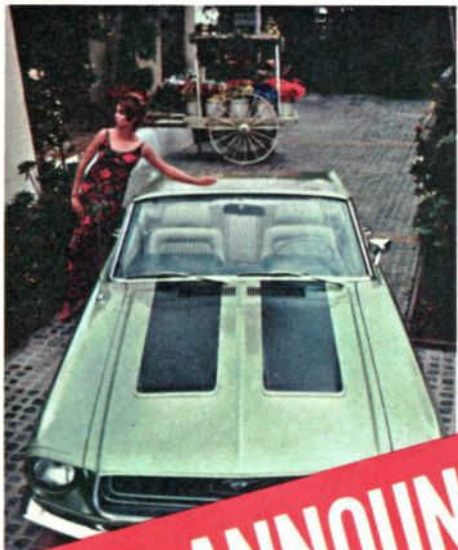
# SHOP TIPS

VOL. 6, NO. 1

SEPTEMBER, 1967

FROM

**Autolite**



**1968 ANNOUNCEMENT ISSUE**

- INCLUDES:**
- Specifications
  - Model Identification
  - Maintenance Schedules
  - Service Procedures



# 1968 AIR POLLUTION CONTROLS...

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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, Ford Products Merchandising Dept., P.O. Box 3000, Livonia, Michigan 48151.

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DEARBORN, MICHIGAN

VOL. 68 FPM 1 LITHO IN U.S.A.

Motor oil . . . high quality motor oil . . . has always been essential to protect and maintain the performance designed into Ford-built engines. It's even more essential in 1968 engines. In fact, high quality motor oil is so important to 1968 engines that Ford has developed a new engineering specification (M2C101-B) to describe the type of motor oil used as service fill. Motor oil that meets specification 101-B must be used throughout the life of the 5-year, 50,000-mile warranty for 1968 vehicles.

Use of motor oil that does not meet Ford Specification M2C101-B, when oil is added or at each oil and filter change interval, may void the warranty.

Many of the high quality motor oils of the leading oil companies meet Ford Specification M2C101-B. Ford Motor Company understands that oil companies are informing service stations, etc., of the specific motor oils that meet Ford's new 101-B specification. If this information is not available, or there is doubt about which motor oil to use, contact your oil supplier and obtain written concurrence that he is supplying you an M2C101-B motor oil.

CLEARLY write the full brand name and grade of oil used on all customer receipts. Owners must show evidence of the use of a 101-B oil to their Ford or Lincoln-Mercury Dealer to obtain the annual certification of warranty.

### WHY SPECIFICATION 101-B?

Ford's 1968 engines continue the proven features (with refinements) that provide thousands of miles of service. They are carefully designed, quality built and backed by a 5-year, 50,000-mile warranty. The only major change is the addition of a "closed" crankcase emission control system to all engines.

Federal law requires that all 1968 U.S. vehicles be equipped with air pollution control systems. The crankcase emission system must be the "closed" type. Ford initially used crankcase emission control devices on some 1961 California registered vehicles. Continuous testing programs by Ford Lubrication Engineers since these first emission control devices were installed have revealed conclusive evidence that:

While "closed" crankcase ventilation systems significantly reduce hydrocarbon emissions by recirculating blow-by combustion gases and crankcase fumes through the fuel induction system, they also increase the load on the motor oil, and complicate the lubrication system because of the constant recycling of highly acidic blow-by gases. If these acids from fuel combustion remain in the engine in the presence of an unbalanced or low quality motor oil, they are not neutralized; and usually cause high rates of corrosive wear, varnish and sludge deposits.

High quality motor oil, heavily fortified with a properly balanced formula of over-based metallic detergents and polymeric dispersants, however, do not cause these engine problems.

Graphic evidence of what happens to engines that use low quality motor oil is shown on page 3 . . . alongside of the same components from engines using high quality motor oils that meet Ford Specification M2C101-B.

# CHANGE MOTOR OIL WARRANTY REQUIREMENTS

OFFICIAL FORD ENGINEERING PHOTOS ILLUSTRATING THE EFFECTS OF  
LOW QUALITY VS. HIGH QUALITY (FORD SPEC. M2C101-B) MOTOR OIL



OIL PLUGGED  
(NON-OPERATING)



OIL FREE  
(OPERATING)

Figure 1—Closed Crankcase Emission Valves

PCV valve on left was used with low quality oil. Sludge from acids result in one of the major causes for engine damage and poor performance. PCV valve on right was used with high quality motor oil.

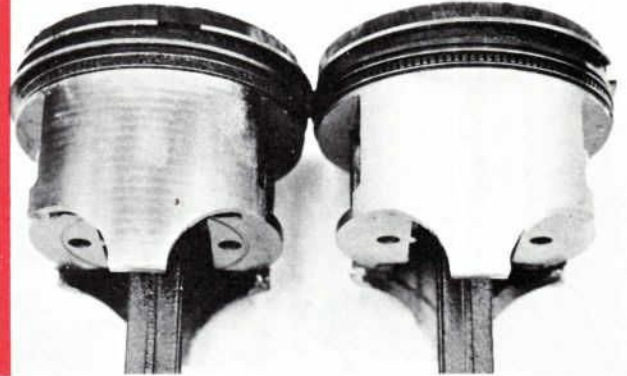


Figure 4—Piston and Piston Rings

Piston on left is from engine that used low quality motor oil. Note plugged oil control ring. Piston on right is from engine using high quality motor oil.

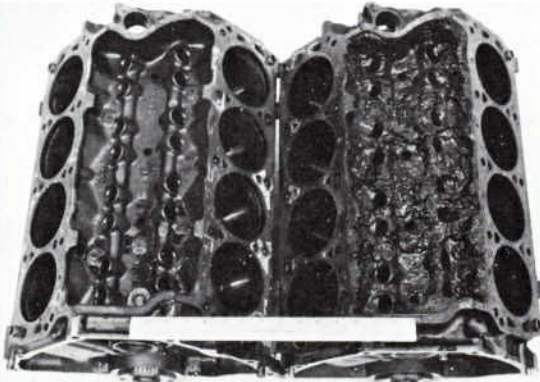


Figure 2—V-8 Engine Blocks

Engine block on left shows practically no evidence of sludge when used with high quality motor oil. Engine block on right used low quality motor oil and "valley" is full of sludge.

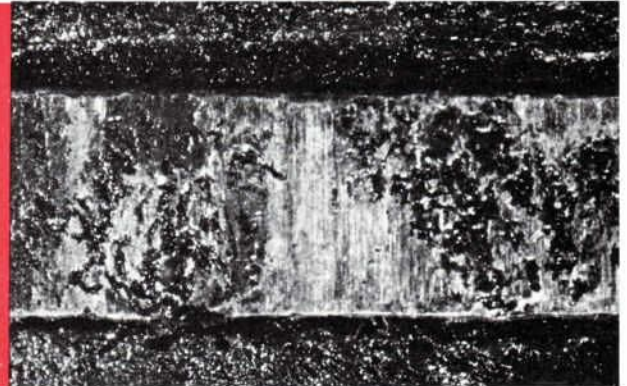


Figure 5—Corroded Piston Ring

View of top piston ring from engine using low quality motor oil showing corrosion. Piston ring is magnified 50 times.



Figure 3—Crankcase Oil Pump Screens

Oil screen on left used low quality motor oil and is plugged with sludge. Oil screen on right is from engine that used high quality motor oil.

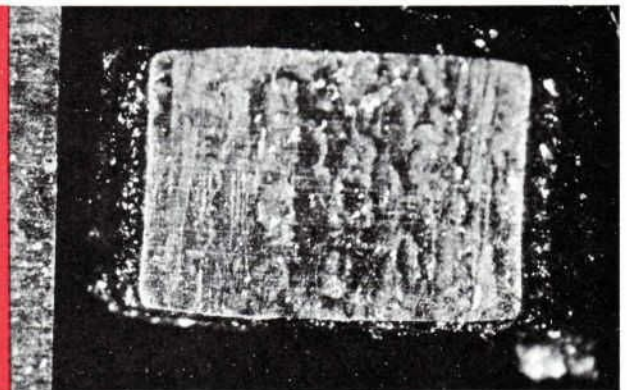


Figure 6—Corroded Oil Ring

View of oil control ring from engine using low quality motor oil showing corrosion. Ring magnified 50 times.

# CRANKCASE AND EXHAUST

All 1968 Car engines use two systems to keep emission levels to standards set by the Federal Government—a crankcase emission control system, and an exhaust emission control system. All 1968 Truck (gas) engines also come equipped with crankcase emission control devices. All 1968 Light Truck engines have exhaust emission control devices, as do Heavy Duty Trucks with 240-6, 300LD-6 and 300HD-6 engines.

## THE CRANKCASE EMISSION CONTROL SYSTEM

Emission controls were initiated on Ford engines in 1961 for California registered cars, and nationwide on 1963 models. These first controls were known as positive crankcase ventilation (PCV) systems. Refinements to this system were made to meet California requirements in January, 1964. This system and variations of it have been used on all Ford engines since. Figure 1 diagrammatically illustrates the technical advancements and modifications made to meet new emission control requirements. The latest requirement is that all 1968 engines use the "closed" crankcase ventilation system.

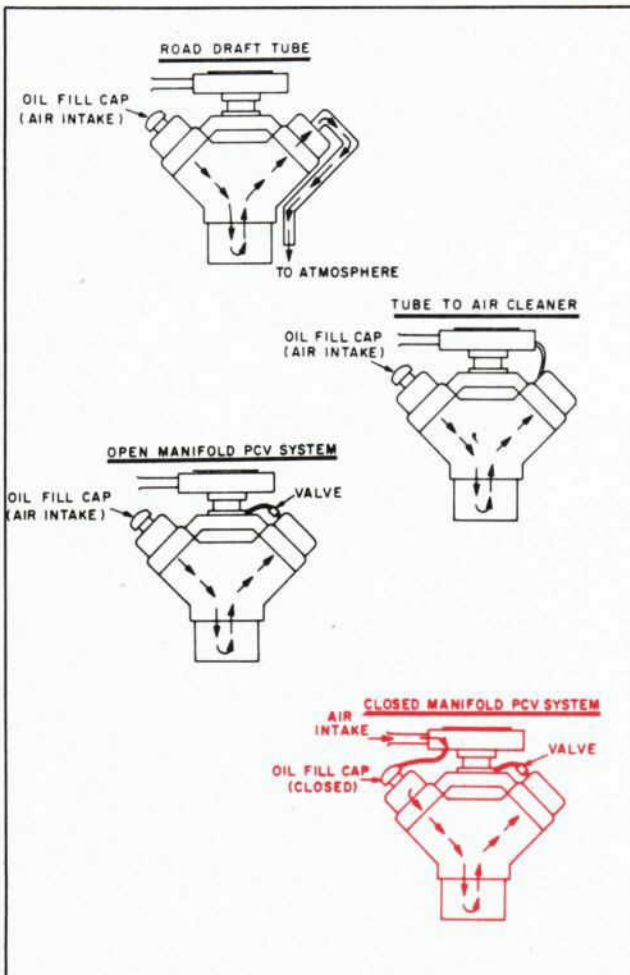


Figure 1—Crankcase Ventilation Systems

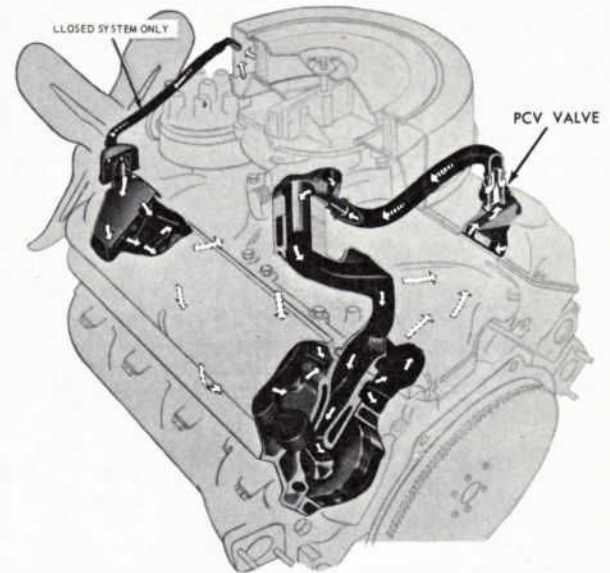


Figure 2—Closed Crankcase Ventilation System

## CLOSED CRANKCASE VENTILATION SYSTEM

The closed crankcase ventilation system used on all 1968 Ford-built engines is similar to the "open" system used on most previous engines. However, instead of getting fresh air through the oil filler cap (as with the open system), the closed system obtains fresh air through the carburetor air cleaner. A tube routes the air to the oil filler cap (Fig 2) which is sealed from outside air. The fresh air circulates through the crankcase picking up blow-by gases that pass the piston rings, as well as condensation vapors and crankcase fumes. The PCV control valve modulates this mixture of harmful gases into the intake manifold where they combine with the carburetor air-fuel mixture and are burned in the combustion chamber. Smog-producing hydrocarbons emitted to the exhaust system are thus reduced to an acceptable level.

However, because none of these harmful gases can normally escape the crankcase—especially when the engine is inoperative (as through the oil filler cap of the "open" system), the blow-by contaminants are highly acidic. During the time the engine is shut down (such as overnight) the acids rust the metal parts of the engine if not adequately protected. Thus the need for a high quality motor oil as explained on page 2.

# EMISSION CONTROL DEVICES

## EXHAUST EMISSION CONTROL SYSTEMS

Exhaust emission control systems assist the crankcase system in reducing the amount of hydrocarbons and carbon monoxide exhausted to the atmosphere. 1968 Ford-built engines use two completely different methods to accomplish this—(1) Thermactor and (2) IMCO (Improved Combustion).

### THERMACTOR

Thermactor is used on all 1968 Ford-built engines combined with a manual transmission; and 289 4V High Performance V-8, 390 4V GT V-8, and 427 4V High Performance V-8 with either manual or automatic transmissions.

Thermactor achieves control of exhaust-emitted gases by burning the hydrocarbon and carbon monoxide concentrations at the exhaust port(s) of the cylinder head(s). Fresh air under pressure is injected near each exhaust valve. The oxygen in the added air, plus the heat of the exhaust gases induces combustion during each exhaust stroke of the piston. The burned gases then flow out the exhaust system.

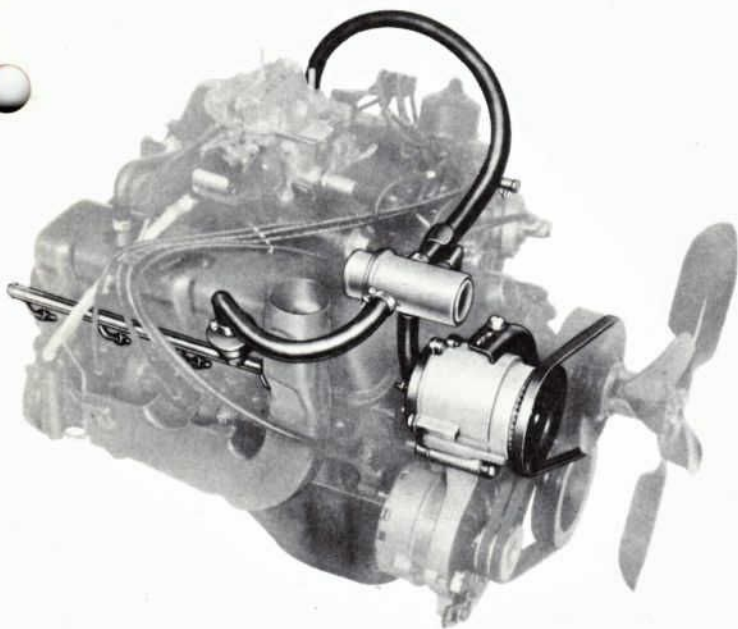


Figure 3—Typical Thermactor System

The major components of the Thermactor are a belt-driven air pump, check valves, rubber hoses, an air distribution manifold for each bank of cylinders and air injection tubes. (Fig. 3) The 1968 Thermactor system incorporates several refinements and modifications to achieve minimum emission levels.

### IMCO (IMPROVED COMBUSTION) EXHAUST EMISSION CONTROL SYSTEM

All 1968 Ford-built engines combined with an automatic transmission use the IMCO system, except the 289 4V High Performance V-8, 390 4V GT V-8, and 427 4V High Performance V-8. The IMCO system differs from the Thermactor system in that the carbon monoxide and hydrocarbons are reduced by more efficient and complete combustion, rather than by burning the exhaust gases in the exhaust manifolds.

The IMCO system features a specially calibrated carburetor and distributor. The carburetor provides leaner air-fuel mixtures, and a controlled rich limit of the idle mixture. The carburetor idle mixture screws are equipped with plastic limiters, or an internal limiter, to restrict richness adjustments. It also requires subtle design modifications to the intake system, combustion chambers, camshaft and exhaust manifold.

In general, the IMCO system requires a retarded initial timing of the distributor to the engine. Consequently, the distributor produces some retard from the normal road load spark advance, and allows greater spark retardation when the carburetor throttle plates are in the idle position. The leaner air-fuel mixtures and retarded (little or no advance) ignition timing effect a more complete combustion.

Some engines are also equipped with dual diaphragm distributors. The vacuum retard stop of the primary vacuum motor of this distributor is connected to a vacuum-sensing diaphragm. One diaphragm provides the normal ignition timing advance for starting and acceleration, the other retards the spark during idle and part throttle operation. This retardation significantly reduces exhaust hydrocarbon emission. On certain engine/transmission combinations, a special valve advances timing during deceleration to further reduce emissions.

### HOT AND COLD AIR CLEANER SYSTEM

With both the IMCO and Thermactor systems, the air cleaner on some engines incorporates a hot and cold system (similar to that used on 289 V-8 engines in previous years) that modulates the temperature of carburetor intake air. The system ducts hot air about a stove on the exhaust manifold to the air cleaner. A thermostatic valve controls air flow, allowing manifold-warmed air to supply the carburetor until the engine reaches normal operating temperatures. The system reduces throttle plate icing and improves performance with the lean mixtures necessary for emission control most notably during cold weather operation.

### SERVICE

Clean, properly operating emission control systems are essential to achieve optimum engine life and keep air pollutants below Federal-established levels. Complete 1968 maintenance schedules for Ford Motor Company cars are shown on pages 6 and 7. Note that the following services apply to the emission systems:

*Every 6,000 Miles*—Test and clean the crankcase emission system. Replace the PCV valve, if necessary.

*Every 12,000 Miles*—Test and clean the crankcase emission system. Replace the PCV valve.

Inspect the Thermactor system hoses and replace if necessary.

Ford further recommends an inspection and engine tune-up be performed every 12,000 miles, as described under the *Air Pollution Control Services* on pages 6 and 7.

# 1968 MAINTENANCE SCHEDULES ...

• FORD • FAIRLANE • FALCON • MUSTANG • THUNDERBIRD

## WARRANTY SERVICES

(These services are required to keep the car warranty in effect.)

Maintenance Operation*	Service Interval							
	6	12	18	24	30	36	42	48
Number of months or thousands of miles, whichever comes first since last service	6	12	18	24	30	36	42	48
<b>ENGINE</b>								
Change engine oil and filter	X	X	X	X	X	X	X	X
Clean crankcase oil filler breather cap	X	X	X	X	X	X	X	X
Replace fuel system filter		X		X		X		X
Replace carburetor air cleaner filter (6 cyl. only)		X		X		X		X
Replace carburetor air cleaner filter (8 cyl. only)				X				X
Replace engine coolant								
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
<b>CHASSIS AND TRANSMISSION</b>								
Lubricate steering linkage (Ford and Thunderbird only)						X		
Lubricate front suspension ball joints						X		
Lubricate power steering control valve ball stud (Falcon, Fairlane and Mustang only)						X		
Check transmission oil level	X	X	X	X	X	X	X	X
Adjust automatic transmission front (intermediate) band and rear (reverse) band						X		
Check rear axle fluid level	X	X	X	X	X	X	X	X
Clean and repack front wheel bearings								
Check power steering reservoir fluid level	X	X	X	X	X	X	X	X

## 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
- Torque intake manifold bolts to specifications (8 cyl. only)
- Inspect cooling system hoses for deterioration, leaks and loose hose clamps. Repair and/or replace as required
- Adjust valves—mechanical type—if so equipped

## RECOMMENDED PERFORMANCE SERVICES

(These additional services are recommended to keep the car operating at peak performance.)

Maintenance Operation	Service Interval							
	6	12	18	24	30	36	42	48
Number of months or thousands of miles whichever comes first since last service	6	12	18	24	30	36	42	48
<b>ENGINE</b>								
Check battery fluid level	X	X	X	X	X	X	X	X
Check drive belt tension and adjust—if required	X	X	X	X	X	X	X	X
<b>CHASSIS AND TRANSMISSION</b>								
Check brake lines and lining					X			
Adjust Cruise-O-Matic transmission front and rear bands (289 CID H.P. engines only)		X		X		X		X
Adjust Cruise-O-Matic transmission front (intermediate) band (427 CID engines only)	X		X			X		X
Check brake master cylinder fluid level	X	X	X	X	X	X	X	X
Lubricate steering arm stops	X	X	X	X	X	X	X	X
Check Tire Pressure	X	X	X	X	X	X	X	X
<b>BODY</b>								
Lubricate door lock cylinders	X	X	X	X	X	X	X	X
Lubricate luggage compartment lock cylinder	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

## NON-SCHEDULED MAINTENANCE ALL CAR LINES

- Convert carburetor for altitude operation
- Lubricate automatic transmission shift linkage
- Lubricate manual transmission shift control and linkage
- Check manual transmission clutch linkage adjustment

# 1968 MAINTENANCE SCHEDULES ...

• COUGAR • MERCURY MONTEGO • MERCURY • LINCOLN CONTINENTAL

## WARRANTY SERVICES

(These services are required to keep the car warranty in effect.)

Maintenance Operation	Service Interval							
	6	12	18	24	30	36	42	48
Number of months or thousands of miles, whichever comes first since last service	6	12	18	24	30	36	42	48
<b>ENGINE</b>								
Change engine oil and filter	X	X	X	X	X	X	X	X
Clean crankcase oil filler breather cap	X	X	X	X	X	X	X	X
Replace carburetor air cleaner filter (6 cyl. only)		X		X		X		X
Replace carburetor air cleaner filter (8 cyl. only)				X				X
Drain and flush cooling system and replace engine coolant	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		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
<b>CHASSIS AND TRANSMISSION</b>								
Lubricate steering linkage (Mercury and Lincoln 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	X	X	X	X	X	X	X	X
Adjust automatic transmission front (intermediate) band and rear (reverse) band						X		
Check rear axle fluid level	X	X	X	X	X	X	X	X
Clean and repack front wheel bearings	Every 30,000 miles or 36 Months							
Check power steering reservoir fluid level	X	X	X	X	X	X	X	X

## 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 and replace if required

## RECOMMENDED PERFORMANCE SERVICES

(These additional services are recommended to keep the car operating at peak performance.)

Maintenance Operation	Service Interval							
	6	12	18	24	30	36	42	48
Number of months or thousands of miles whichever comes first since last service	6	12	18	24	30	36	42	48
<b>ENGINE</b>								
Check battery fluid level	X	X	X	X	X	X	X	X
Check drive belt tension and adjust—if required	X	X	X	X	X	X	X	X
<b>CHASSIS AND TRANSMISSION</b>								
Check brake lines and lining					X			
Check tire pressure	X	X	X	X	X	X	X	X
Adjust Select-Shift Merc-O-Matic transmission front (intermediate) band (427 CID engines only)	X		X			X		X
Check brake master cylinder fluid level	X	X	X	X	X	X	X	X
Lubricate steering arm stops	X	X	X	X	X	X	X	X
<b>BODY</b>								
Lubricate door 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
Lubricate luggage compartment lock cylinder	X	X	X	X	X	X	X	X

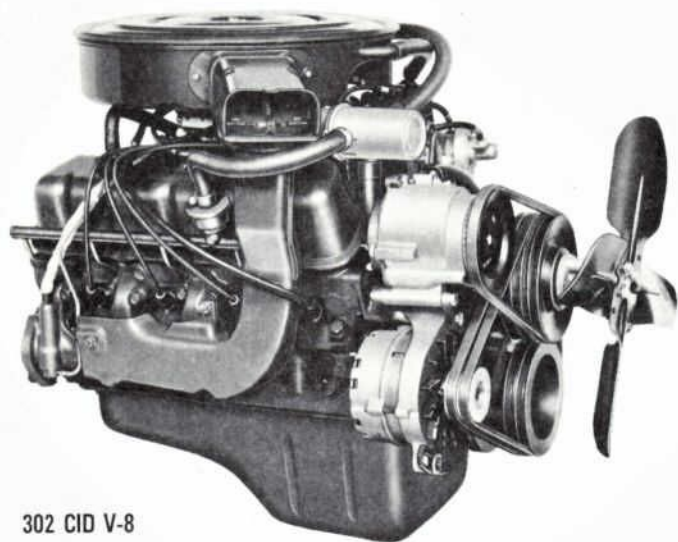
- Check front wheel alignment and steering linkage. Balance wheels
- Check steering gear preload (manual gear only)
- Check total over-center mesh load on power steering gear
- Check parking brake cable tension and adjust if required

- Check convertible top fluid
- Check door weatherstrips
- Clean body drain holes and examine dust valves for proper operation
- Replace windshield wiper blades

# 1968 MECHANICAL FEATURES

## ENGINES

New engines for '68 cars include the 302 CID 2V and 4V V-8's, a 427 CID 4V V-8 and a 429 CID 4V V-8 for the Thunderbird.



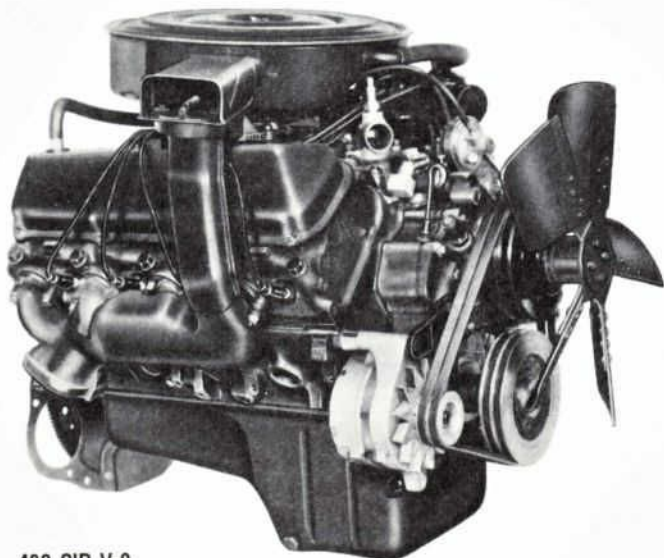
302 CID V-8

### 302 CID V-8's (2V and 4V)

The 302 V-8 is a new branch of the 289 family tree and incorporates many of the 289's fine, performance-proved features. The 2V version uses regular fuel and is available on all Ford, Fairlane, Cougar and Mercury-Montego models. The 4V version uses premium fuel and is available on Falcon, Mustang, Cougar and Mercury-Montego models.

### 427 CID V-8 (4V) H.P.

This engine previously offered with two 4-barrel carburetors is now available with a simpler, four-barrel carburetor on all Fords (except station wagons), Fairlane, Mustang, Cougar and Mercury-Montego models. Classified as a High Performance V-8, it requires premium fuel as the compression ratio is 11.1



429 CID V-8

to 1. Hydraulic valve lifters replace the previous mechanical-type valve lifters to provide quieter engine operation and reduced maintenance requirements. All car models equipped with this engine have Select Shift Cruise-O-Matic transmissions.

### 429 CID V-8 (4V)

This all-new optional V-8 for Thunderbird is called the 429 Cubic Inch 4V Thunderjet V-8. It incorporates the best design features of the 289 V-8 plus a new shallow block to allow compact overall dimensions. Cylinder head design is also similar to the 289 V-8 but with canted valves which open obliquely into the combustion chamber in the direction of the gasflow. This improved design results in optimum engine breathing and better emission control. The engine compression ratio is 11.0 to 1 thereby requiring the use of premium fuel.

### 360- and 390 CID V-8 Truck Engines

Two new optional V-8's are offered on F-100 through F-350 light-duty truck series, except 4-wheel drive models. Both V-8's use 2-barrel carburetors and operate on regular fuel. When servicing these engines, you'll find the 360 V-8 will be similar to last year's 352 V-8 truck engine and the passenger car V-8. A Thermactor exhaust emission control system is used on both engines.

## ENGINE SPECIFICATION NOTES

The following notes apply to the engine specifications for Ford Motor Company vehicles on pages 12 through 35, unless otherwise shown.

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 20 minutes (if so equipped). On 200 & 302-2V CID engines, with automatic transmission, adjust idle speed with air conditioner off.
2. When checking and/or adjusting initial ignition setting of engines with vacuum advance distributors, engine idle speed must be below 600 rpm, and the distributor vacuum hose(s) must be disconnected at the distributor. Plug manifold vacuum hose, if so equipped.
3. If the individual requirements of the vehicle and/or the use of sub-standard fuels dictate, the initial timing may be retarded from the recommended setting to eliminate detonation. If retarding is necessary, it should be done progressively and not exceed 2° BTDC.
4. (Does not apply to engines with Thermactor or IMCO.) For altitude operation and/or to obtain optimum engine performance and fuel economy, it is permissible to advance the initial ignition timing to a maximum of 5° over the "normal" setting. No further improvement in engine performance or fuel economy will be achieved by advancing beyond this point. Advance the timing progressively until engine detonation (spark knock) is evident under actual road test acceleration. Then, retard the timing until detonation is eliminated.



# AND SERVICE PROCEDURES

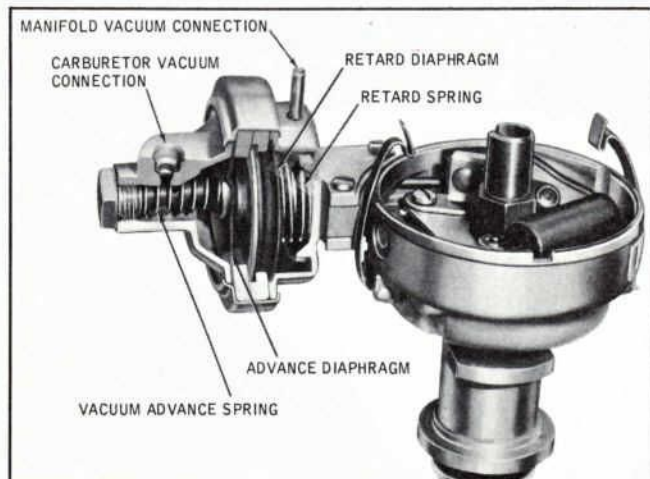
## IDLE ADJUSTMENT LIMITERS

As explained under "Crankcase and Exhaust Emission Control Devices" on pages 4 and 5, idle adjustment limiters are used on all carburetors for engines with exhaust emission controls. These limiters restrict the maximum idle richness, and prevent individuals from making overly rich adjustments.

There are two types of idle limiters: internal and external. The internal needle limiter is located in the idle channel and is not externally visible. This limiter is set and sealed at the factory. Under no circumstances, during normal service or during overhaul, should the seal be removed and adjustments made to this needle. This type of limiter is used on the Holley 4V and Carter IV carburetors.

The other type of limiter is an external plastic idle limiter cap installed on the knurled head of the idle fuel mixture adjusting screw. This type is used on Carter 4V and all Autolite carburetors. Any adjustment made to the idle fuel mixture on carburetors having this type of limiter, must be made within the range of the plastic limiter cap. *Under no circumstances may the limiter cap, the stop boss, or the power valve cover, which the limiter caps stop against, be mutilated or deformed in any way to render the limiter inoperative.* A satisfactory idle is obtainable within the range of the limiter cap.

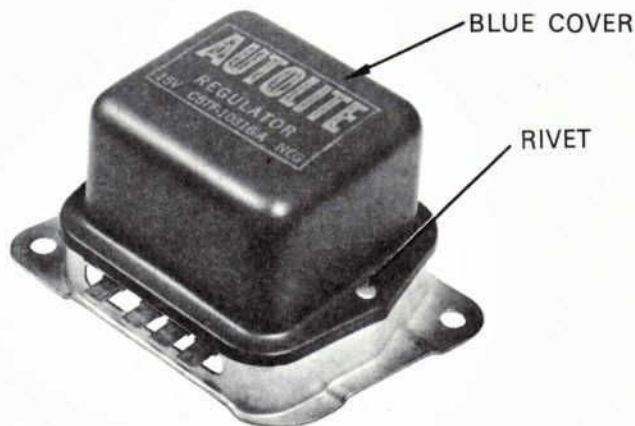
## DUAL DIAPHRAGM DISTRIBUTOR (Cars and Light Duty Trucks)



Because 1968 emission control systems require a retarded spark for more complete combustion at idle and low engine speeds, most passenger car engines and all light-duty truck engines are equipped with a dual diaphragm distributor. With the exception of the diaphragm assembly, this new distributor is similar to the Autolite dual advance units used in some '67 engines. There are two diaphragms in the '68 distributor; the outer diaphragm controls spark advance in the same way as last year's unit. The second and inner diaphragm works in the opposite direction to retard the spark at low engine speeds and during deceleration.

In other words, the dual diaphragm assembly provides the distributor with two distinct spark retard stops . . . a normal retard to 6° Before Top Dead Center for starting the engine and an additional 12° of retard to 6° After Top Dead Center for more complete combustion and minimum contaminant emission after starting the engine. Detailed service information will appear in future issues of Shop Tips.

## NEW AUTOLITE ALTERNATOR REGULATOR



Improved manufacturing procedures and new, highly accurate automated calibration and inspection techniques have made it possible for Ford to equip 1968 cars and trucks, using Autolite alternators, with a regulator . . . that does not require adjustment. The cover of the new alternator regulator is painted BLUE for easy identification. Since adjustment is not required, the cover is riveted (except for a few early models which use metal screws) to the regulator base to prevent adjustment.

In addition to the higher quality level, the non-adjustable alternator regulator is due to the ability of the alternator to produce a useful quantity of electrical power at engine idle.

Except for abnormally high electrical loads, the alternator produces enough electrical energy at engine idle so that the battery does not need to supply any current. With the earlier D.C. type generator system, however, the battery usually had to supply all the electrical power at engine idle. Therefore, it was necessary to establish a voltage level that would provide a high enough charge rate to return this current to the battery during the time the engine was operated at higher speeds.

Vehicle operating conditions was the most important factor in determining what the voltage limit should be. If a vehicle was subjected to unusual operating conditions such as a relatively short period of time at engine idle versus higher engine speeds, or more than normal use of electrical equipment, the voltage limiter setting would often have to be adjusted up or down to keep the battery charged.

The alternator, however, and the new Autolite regulator have eliminated the need for tailored adjustments for specific operating conditions. The factory adjustment will do a better job of maintaining the battery in a good state of charge over a wide range of operating conditions. Therefore, the service procedure of adjusting the voltage limiter or the field relay is discontinued on 1968 models. The only testing required is a functional diagnosis performed with a Rotunda ARE 20-22 type alternator regulator tester.

# 1968 MECHANICAL FEATURES

## TIRES

Bias-ply and the Ford-pioneered Super Wide Oval continue as the standard tires on most 1968 models. Radial-ply tires continue as optional equipment, along with another trail-blazing idea from Ford . . . the Wide Oval Radial Ply Tire. Designated as FR70 x 14, it's initially available on Fairlane, Mercury Montego, Mustang and Cougar models. It gives the owners of these cars a choice of 4 types of tires to meet the requirements for just about any kind of driving conditions.

**Replacement**—Type "A" Radial-ply tires (185R x 14) and Wide Oval Radial Tires (FR70 x 14) have been designed as a four tire system to achieve balanced handling and ride performance. When replacing individual tires (including snow tires), install only radial-ply tires of the same size; otherwise unbalanced handling and ride performance may result.

**Tire Care**—Tire tread life varies from car to car because of driving conditions. Aside from good driving practices, the most important factor in obtaining maximum tread life is . . . maintaining proper tire pressure.

Pressure lower than recommended will reduce the allowable full rated load and may affect vehicle handling and tire life. Higher pressure will reduce ride comfort by magnifying rather than absorbing road shocks. Overinflated tires are also more vulnerable to damage from road surface impacts. Tire pressure may be increased to 32 psi (cold) to improve fuel economy except on Station Wagons, Ranchero's or models equipped with high speed capability tires. Recommended pressure differentials between front and rear tires are very important to vehicle handling and stability, and should be maintained.

## TIRE INFLATION NOTES

The following notes apply to the tire inflation specifications for Ford Motor Company vehicles on pages 13 through 35 unless otherwise shown.

- When towing trailers up to 200 lbs. tongue load, combined weight of driver, passenger, luggage, and trailer tongue load must not exceed the Full rated (Max.) load. For heavier tongue loads see your Ford or Lincoln-Mercury Dealer.
- For sustained high speed driving (one hour or more) over 75 mph, cold inflation pressure must be increased 4 psi, but not exceed the maximum of 32 psi for 4-ply rating tires, or radial-ply tires, and 40 psi for 8-ply rating tires. If the 4 psi pressure adjustment for sustained high speed driving with maximum vehicle load requires inflation pressures above the maximum allowable, speeds above 75 mph are not recommended.
- While excessive speed is strongly discouraged, if the car is to be driven at sustained speeds over 90 mph, special high-speed tires are required.

Tire pressures should be checked frequently, and while "cold" (preferably after the car has been parked at least one hour and before driven three miles).

Operation at high speeds or heavy loads will increase tire pressure considerably. An increase of 8 psi over "cold" pressures is not unusual. Therefore, never bleed air from a "hot" tire because the pressure is above that recommended.

## FLOATING CALIPER POWER DISC BRAKES

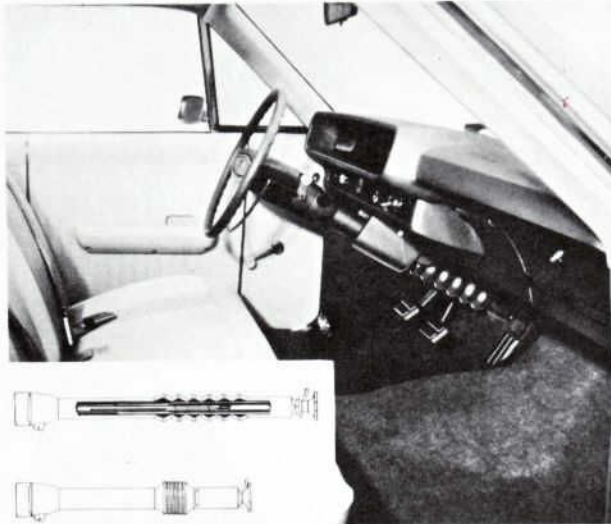


1968 vehicles with power brakes, except Lincoln Continental, are equipped with front wheel disc brakes of a new design. These new brakes have a splash shield and rotor that are practically the same as last year's disc brakes with the caliper in the same location as in '67 models. However, instead of a two-piece assembly, the new caliper has a one-piece housing. Since the one-piece housing is not held in a fixed position, it is free to move inward and outward. Only one piston is used in each caliper. The double-acting piston applies braking pressure directly to the inboard brake shoe and indirectly to the outboard shoe through this movable "floating" caliper. Floating Caliper Power Front Disc Brakes are also available on F-250 and F-350 light duty trucks.

# AND SERVICE PROCEDURES

## SAFETY-DESIGN STEERING WHEEL AND COLUMN

Both the steering wheel and steering column on all 1968 passenger cars have been redesigned for greater safety. A new two-spoke wheel and hub are fully padded to absorb driver impact-forces. Under impact conditions, the wheel and hub collapse or deform while the force builds up to overcome



the initial inertial load of the new collapsible column. The column jacket has a compressible section, and the steering shaft and shift tube have telescoping joints. The column sup-

port at the instrument panel is designed to break away as the column collapses.

When removing the steering wheel, under no circumstances should the steering shaft ever be struck with a hammer or similar tool. Also do not use a knock-off type puller to remove the steering wheel. Use only an approved steering wheel remover, such as Ford Tool No. 3600-AA so you won't damage the column.

## SIDE MARKER LIGHTS AND/OR REFLECTORS

All 1968 Ford Motor Company passenger cars, except Lincoln Continental, have a side marker reflector at the extreme rear quarter panel. The Lincoln Continental has wrap-around design rear tail lights that can be seen from the side and the rear. The Lincoln Continental, Mercury, Ford and Fairlane have similar wrap-around designed parking and turn signals that can be seen from the front and the side. Mercury Montego, Cougar, Mustang and Thunderbird have separate side marker front lamps. The Falcon has front side marker reflectors.

The side marker system allows other motorists to identify the side of the car at night, whether parked or in motion. The markers also aid in seeing a car making a turn at night.

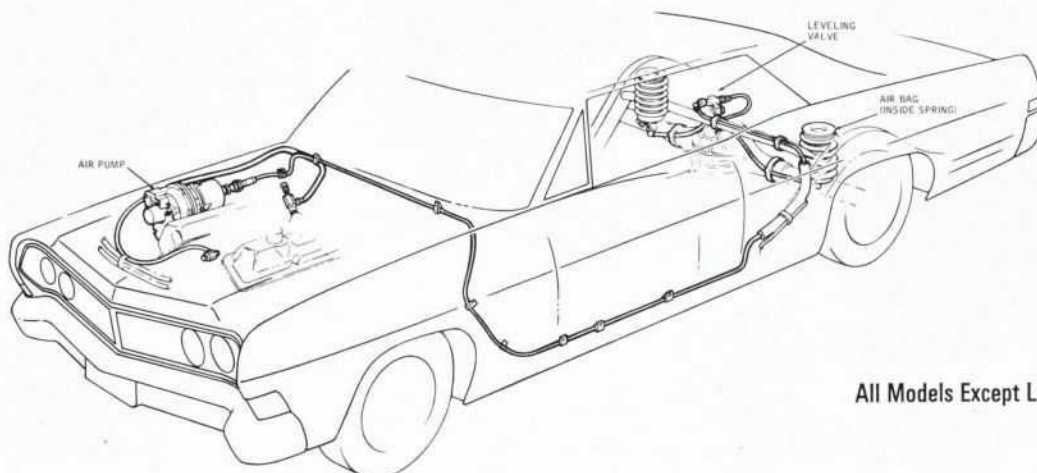


## AUTOMATIC LOAD LEVELER

1968 full-size passenger cars and wagons have an optional pneumatic rear suspension leveling system that automatically maintains proper rear end height when carrying heavier-than-normal loads over the rear axle. The system consists of a vacuum operated air compressor and air chambers in the rear suspension. In all models except Lincoln Continental, the air chamber consists of heavy-duty rubber air cylinders, similar to conventional auxiliary air springs that are fitted inside the

rear coil springs. Lincoln Continental utilizes an air chamber which is incorporated within the rear shock absorbers.

The system also includes a height control valve with a built-in time delay that admits or exhausts air from the cylinders to restore the correct suspension height; and the connecting lines and fittings. Service information on this system will follow in future issues of Shop Tips.



All Models Except Lincoln Continental

# 1968 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 car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear lock face of the left front door inner panel.

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

## 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—Glove Box
- HOOD LATCH—Top Center of Grille
- To Open: Lift Lever, Raise Hood

## GENERAL DIMENSIONS

Wheelbase	119.0"
Tread:	
Front	62.0"
Rear	62.0"
Over-all Length:	
All except Station Wagons	213.0"
Station Wagons	213.9"
Over-all Width	78.0"
Over-all Height:	
Sedans	55.8"
2-Door Formal Hardtop	55.0"
2-Door Fastback Hardtop	54.4"
4-Door Hardtop	54.8"
Convertible	54.9"
Station Wagon	56.7"

## 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, 427 & 428 CID	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	
All except 427 CID	5 qts.
427 CID	6 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Cruise-O-Matic	
240 CID	20 pts.
302 & 390 CID	22 pts.
427 & 428 CID	26 pts.
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
<b>Standard Equipment</b>		
<b>Headlights</b>		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Park/Turn Signal/Side Marker	4-32 c.p.	1157-A
Rear Stop/Turn Signal/Side Marker	4-32 c.p.	1157
Emergency Flasher	32 c.p.	1156
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)	15 c.p.	1004
Courtesy ("C" Pillar)	15 c.p.	1003
Console	15 c.p.	1816
Courtesy	12 c.p.	211
Back-up	32 c.p.	1156
<b>Instrument Panel</b>		
All except as otherwise shown	2 c.p.	1895
Clock	3 c.p.	1816
<b>Accessory Equipment</b>		
Air Conditioner Controls	2 c.p.	1895
Radio	1.9 c.p.	1893
Spotlight	30 Watts	4405
Fog Lamps—Clear	35 Watts	4415
Fog Lamp Switch	1 c.p.	53X
Map Lamp	6 c.p.	631
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—Column	2 c.p.	158
—Console	1.5 c.p.	1445

A—Amber 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	Integral with Light Switch	15	C.B.
Clock Feed, and Lights for Dome, Cargo, Glove Box, Engine & Luggage Compartments	Fuse Panel	9	SFE
Lights for Clock, Heater Control, Instrument Cluster, Ash Tray, Radio and Auto Trans. Quadrant	Fuse Panel	4	AGA
Heater and Defroster Motor, and Warning Lights for Safety Pkg.	Fuse Panel	20	SFE or AGC
Cigar Lighter & Emergency Warning	Fuse Panel	20	SFE
Seat Belt, Brake Warning, Radio, Back-up Lights, Turn Signals and Power Window Lockout	Fuse Panel	14	SFE
Electric Wiper Motor Circuit	Lower Instrument Panel	12	C.B.
Convertible Top	Near Starter Relay	14 Gage Wire Fuse	Safety Link
Convertible Top With Power Options	On Starter Relay	20	C.B.
Power Windows, Power Seats	On Starter Relay	20	C.B.
Air Conditioner—SelectAire	Lower Instrument Panel	25	C.B.
—Economy	Fuse Cartridge in Feed Wire	15	AGC
Speed Control	Fuse Cartridge in Feed Wire	5	AGA
Spotlight	Fuse Cartridge in Feed Wire	7.5	SFE

\*Circuit Breaker



# 1968 FORD MODELS AND SPECIFICATIONS

## TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Engine	Tire Usage Standard— 2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
			Front	Rear		
All Sedans and Hardtops except as shown below	240 & 302 CID	7.75 x 15	25	27	Bench Seat Models—1100  Bucket Seat Models—950	Driver + 5 Pass. + 200 lbs. Luggage
	390 & 428 CID	8.15 x 15				
LTD Hardtops with A/C	390 & 428 CID	8.45 x 15	25	27		
LTD Hardtops w.o. A/C, LTD Sedan, & Galaxie 500 4-Door Hardtop	All	8.15 x 15	25	27		
Convertibles with A/C	All	8.15 x 15	25	28		
Convertibles w.o. A/C	240 & 302 CID	7.75 x 15	25	28		
	390 & 428 CID	8.15 x 15				
All Station Wagons	All	8.45 x 15	22	32	1200	Driver + 5 Pass. + 300 lbs. Luggage or Driver + 7 Passengers

For special operating conditions: See Tire Specification Notes, Page 10.

## ENGINE

	240 CID I-6	302 CID V-8 2V	390 CID V-8 2V	390 CID V-8 4V	428 CID V-8 4V	427 CID V-8 H.P.
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	240 Cu. In.	302 Cu. In.	390 Cu. In.	390 Cu. In.	428 Cu. In.	427 Cu. In.
Bore and Stroke (Inches)	4.00 x 3.18	4.00 x 3.00	4.05 x 3.78	4.05 x 3.78	4.13 x 3.98	4.23 x 3.78
Compression Ratio	9.2:1	9.5:1	9.5:1	10.5:1	10.5:1	10.9:1
Brake Horsepower @ Specified rpm	150 @ 4000	210 @ 4400	270 @ 4400	315 @ 4600	345 @ 4600	390 @ 5600
Maximum Torque (lb. ft.) @ Specified rpm	234 @ 2200	295 @ 2400	403 @ 2600	427 @ 2800	462 @ 2800	460 @ 3200
Idle rpm (Adjust with lights on) (1)						
Manual Transmission						
Thermactor	600	625	625	625	625	—
Automatic Transmission						
Thermactor	—	—	—	—	—	600
IMCO	500	550	550	550	550	—
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
(Autolite Sales No.)	CA-587 (A/T)	CA-552 (S/T) CA-553 (A/T)	CA-554 (S/T) CA-555 (A/T)	CA-547 (S/T) CA-548 (A/T)	CA-547 (S/T) CA-549 (A/T)	— —
Spark Plugs (Autolite Sales No.)	BF-42	BF-32	BF-32	BF-32	BF-32	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"
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	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027"	0.021"	0.021" (Therm.) 0.017" (IMCO)	0.021" (Therm.) 0.017" (IMCO)	0.021" (Therm.) 0.017" (IMCO)	0.017"
Ignition Timing (BTDC) (2)/(3)						
Manual Transmission						
Thermactor	6°	6°	6°	6°	6°	—
Automatic Transmission						
Thermactor	—	—	—	—	—	6°
IMCO	6°	6°	6°	6°	6°	—
Battery (Autolite Sales No.)						
Group	22HF	22HF	22HF (S/T) 24F (A/T)	22HF (S/T) 24F (A/T)	27HF	27HF
Amp Size	45	45	45 (S/T) 55 (A/T)	45 (S/T) 55 (A/T)	80	80
Type—Standard	AL-22HF	AL-22HF	AL-22HF (S/T) AL-24F (A/T)	AL-22HF (S/T) AL-24F (A/T)	SV-27HF80	SV-27HF80
—Optional	SV-22HF	SV-22HF	SV-22HF (S/T) SV-22F (A/T)	SV-22HF (S/T) SV-24F (A/T)	—	—
Electrical (Autolite Sales No.)						
Point Set	DP-3	DP-12	DP-12	DP-12	DP-12	DP-12
Condenser	DC-6	DC-13	DC-13	DC-13	DC-13	DC-13
Cap.	DH-4	DH-6	DH-6	DH-6	DH-6	DH-6
Rotor	DR-87	DR-5	DR-5	DR-5	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-5	EV-8	EV-8	EV-8	EV-8	EV-2
Filters (Autolite Sales No.)						
Oil	FL-1	FL-1	FL-1	FL-1	FL-1	FL-1
Air	FA-51	FA-50	FA-50	FA-50	FA-50	FA-41
Fuel	FG-14	FG-14	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchromesh Transmission

(A/T) Automatic Transmission

## SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-105	AX-110	—
Rear	AB-104	AX-108	AA-134

# 1968 FAIRLANE MODELS AND SPECIFICATIONS



## MODELS

- FAIRLANE
- FAIRLANE 500
- TORINO
- TORINO GT

## IDENTIFICATION

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

The official Vehicle Identification Number for title and registration purposes is stamped on the top surface of the radiator and front fender apron support (near the radiator fill cap).

## 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	201.0"	
Station Wagon	203.9"	
Over-all Width	74.6"	
Over-all Height		
4-door Sedan	55.0"	
2-door Formal Hardtop	53.6"	
2-door Fastback Hardtop	53.4"	
Convertible	54.6"	
Station Wagon	56.2"	

## APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	20 gal.
Cooling System (Includes 1 qt. for heater)	
200 CID	9.5 qts.
289 & 302 CID	15 qts.
390 & 427 CID	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	
200 CID	4.5 qts.
289, 302 & 390 CID	5 qts.
427 CID	6 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Cruise-O-Matic	
200 CID	15 pts.
289 & 302 CID	17 pts.
390 & 427 CID	26 pts.
Rear Axle	
200 CID (2.83:1 & 3.20:1 ratios)	2.5 pts.
200, 289 & 302 CID	4 pts.
390 & 427 CID	5 pts.

## LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
<b>Standard Equipment</b>		
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
Courtesy Lamp—Door	6 c.p.	212-1
<b>Instrument Panel</b>		
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.	1895
Ignition Switch	2 c.p.	1895
Ash Tray	1.5 c.p.	1895
Heater (or Optional A/C) Bar	2 c.p.	1895
Clock	2 c.p.	1895
<b>Accessory Equipment</b>		
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
Console Lamp	3 c.p.	1816
Luggage Compartment Lamp	6 c.p.	631
Floor Shift Quadrant	1.9 c.p.	1003
Convenience Control Panel	2 c.p.	1895
NA—Natural Amber.		

## 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), Seat Belt Warning, Oil, Temp., Dual Brake	Fuse Panel	14	SFE
Back-up Lights, Windshield Washer and Radio	Fuse Panel	20	SFE
Spotlight	Fuse Cartridge in Line	7.5	SFE
Console & Parking Brake	Fuse Cartridge in Line	4	SFE
Convertible Top	Between Starter Relay and Junction Block	14 Gage Wire Fuse	Safety Link
Heater	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 & 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



# 1968 FAIRLANE MODELS AND SPECIFICATIONS

## TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard—2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All Models except GT, Station Wagon, Convertible & Ranchero with 200, 289 or 302 CID with 390 CID	7.35 x 14 7.75 x 14	26 26	26 26	Bench Seat Models—1100  Bucket Seat Models—950	Driver + 5 Pass. + 200 lbs. Luggage
GT Models with 302 & 390 CID with 427 CID	F70 x 14 FR70 x 14(a)	24* 28	24* 28		Driver + 4 Pass. + 200 lbs. Luggage
Convertibles except GT with 240, 289 & 302 CID with 390 CID	7.35 x 14 7.75 x 14	26	27		
Station Wagons with 200, 289 & 302 CID with 390 CID	7.75 x 14 7.75 x 14†	22 22	32 34	1200	Driver + 7 Pass. or Driver + 5 Pass. + 300 lbs. Luggage
Ranchero Standard Suspension Heavy Duty Suspension	7.35 x 14 7.75 x 14	22 22	32 32	850 1250	Driver + 700 lbs. Cargo Driver + 1100 lbs. Cargo
Optional Tires Wide Profile  Radial Ply	E70 x 14 F70 x 14(a) FR70 x 14(a) 185 R x 14	26 24* 28 26	26 24* 28 26		

\*Tires may be inflated to 28 psi for special handling requirements  
For special operating conditions: See Tire Specification Notes, Page 10.  
†4-Ply, 8-Ply Rating  
(a) High Speed Capability

## ENGINES

	200 CID I-6	289 CID V-8 2V	302 CID V-8 2V	390 CID V-8 2V	390 CID V-8 4V GT	427 CID V-8 H.P.
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	200 Cu. In.	289 Cu. In.	302 Cu. In.	390 Cu. In.	390 Cu. In.	427 Cu. In.
Bore and Stroke (Inches)	3.68 x 3.13	4.00 x 2.87	4.00 x 3.00	4.05 x 3.78	4.05 x 3.78	4.23 x 3.78
Compression Ratio	9.2:1	9.3:1	9.5:1	9.5:1	10.5:1	10.9:1
Brake Horsepower @ Specified rpm	120 @ 4400	200 @ 4400	210 @ 4400	270 @ 4400	320 @ 4800	390 @ 5600
Maximum Torque (lb. ft.) @ Specified rpm	190 @ 2400	282 @ 2400	295 @ 2400	403 @ 2600	427 @ 3200	460 @ 3200
Idle rpm (Adjust with lights on) (1)						
Manual Transmission						
Thermactor	700	625	625	625	700	—
Automatic Transmission	—	—	—	—	—	—
Thermactor	—	—	—	—	—	—
IMCO	550	550	550	550	550	600
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Regular	Regular	Premium	Premium
Carburetor	Auto. Choke 4V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4 V	Auto. Choke 4V
(Autolite Sales No.)	CA-568 (S/T) CA-569 (A/T)	CA-565 (S/T) CA-566 (A/T)	CA-556 (S/T) CA-557 (A/T)	CA-554 (S/T) CA-555 (A/T)	—	—
Spark Plugs (Autolite Sales No.)	BF-82	BF-42	BF-32	BF-32	BF-32	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"
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	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027"	0.021"	0.021"	0.021" (Therm.)	0.016"	0.017"
Ignition Timing (BTDC) (2)(3)						
Manual Transmission						
Thermactor	6°	6°	6°	6°	6°	—
Automatic Transmission	—	—	—	—	—	—
Thermactor	—	—	—	—	6°	6°
IMCO	6°	6°	6°	6°	—	—
Battery (Autolite Sales No.)						
Group	22HF	22HF	22HF	22HF (S/T) 24F (A/T)	22HF (S/T) 24F (A/T)	27HF
Amp Size	45	45	45	45 (S/T) 55 (A/T)	45 (S/T) 65 (A/T)	80
Type—Standard	AL-22HF	AL-22HF	AL-22HF	AL-22HF (S/T) AL-24F (A/T)	AL-22HF (S/T) AL-24F (A/T)	SV-27HF80
—Optional	SV-22HF	SV-22HF	SV-22HF	SV-22HF (S/T) SV-24F (A/T)	SV-22HF (S/T) SV-24F (A/T)	—
Electrical (Autolite Sales No.)						
Point Set	DP-3	DP-12	DP-12	DP-12	DP-12	DP-12
Condenser	DC-6	DC-13	DC-13	DC-13	DC-13	DC-13
Cap	DH-4	DH-6	DH-6	DH-6	DH-6	DH-6
Rotor	DR-87	DR-5	DR-5	DR-5	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-5	EV-8	EV-8	EV-8	EV-2	EV-2
Filters (Autolite Sales No.)						
Oil	FL-1	FL-1	FL-1	FL-1	FL-1	FL-1
Air	FA-51	FA-50	FA-50	FA-50	FA-41	FA-41
Fuel	FG-14	FG-14	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3). (S/T) Synchronmesh Transmission (A/T) Automatic Transmission

## SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
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.

# 1968 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 car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear lock face of the left front door inner panel.

The official Vehicle Identification Number for title and registration purposes is stamped on the top surface of the radiator and front fender apron support (near the radiator fill cap).

## 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 (All models except Station Wagon)	58.5"
Station Wagon	58.4"
Rear (All models except Station Wagon)	58.2"
Station Wagon	58.1"
Over-all Length	
All models except Station Wagon	184.3"
Station Wagon	198.7"
Over-all Width	
4-Door Sedan	73.5"
2-Door Club Coupe & Sports Coupe	73.2"
4-Door Station Wagon	74.7"
Over-all Height	
All models except Station Wagon	55.0"
Station Wagon	56.2"

## 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	15 qts.
Engine Crankcase (Includes 1 qt. for filter)	
6-Cylinder	4.5 qts.
8-Cylinder	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Cruise-O-Matic	
6-Cylinder	15 pts.
8-Cylinder	17 pts.
Rear Axle	
6-Cylinder	2.5 pts.
8-Cylinder	4 pts.

## LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
<b>Standard Equipment</b>		
Headlights	40-50 Watts	6012
Front Parking & Turn Signal	4-32 c.p.	1157NA
Rear 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
Courtesy	6 c.p.	631
Cargo (Station Wagon)	15 c.p.	1003
Dome	15 c.p.	1003
<b>Instrument Panel</b>		
All (Unless otherwise shown)	2 c.p.	194
Clock & Ignition	2 c.p.	1895
Radio	1.9 c.p.	1893
Transmission Quadrant	1 c.p.	161
<b>Accessory Equipment</b>		
Engine Compartment	6 c.p.	631
Luggage Compartment	6 c.p.	631
Glove Compartment & Console	2 c.p.	1895
Courtesy Lamp (Instrument Panel)	6 c.p.	631
Spotlight	30 Watts	4405
<b>Warning Lights</b>		
All	2 c.p.	194
NA—Natural Amber Color		

## 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
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		G.B.

\*C.B. Circuit Breaker



# 1968 FALCON MODELS AND SPECIFICATIONS



## TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard—2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All models except Station Wagon	6.95 x 14	26	26	1075	Driver + 5 Pass. + 175 lbs. Luggage
Station Wagon	7.75 x 14	22	32	1200	Driver + 5 Pass. + 300 lbs. Luggage
All Sedans with Radial-Ply Tires	185 R x 14	26	26	1075	Driver + 5 Pass. + 175 lbs. Luggage

For special operating conditions: See Tire Specification Notes, Page 10.

## ENGINES

	170 CID I-6	200 CID I-6	289 CID V-8 2V	302 CID V-8 4V
Type	In Line 6-Cyl.	In Line 6-Cyl.	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV
Displacement	170 Cu. In.	200 Cu. In.	289 Cu. In.	302 Cu. In.
Bore and Stroke (Inches)	3.50 x 2.94	3.68 x 3.13	4.00 x 2.87	4.00 x 3.00
Compression Ratio	9.1:1	9.2:1	9.3:1	10.5:1
Brake Horsepower @ Specified rpm	105 @ 4400	120 @ 4400	200 @ 4400	235 @ 4800
Maximum Torque (lb. ft.) @ Specified rpm	158 @ 2400	190 @ 2400	282 @ 2400	318 @ 3200
Idle rpm (Adjust with lights on) (1)				
Manual Transmission				
Thermactor	700	700	625	625
Automatic Transmission				
Thermactor	550	550	550	550
IMCO	550	550	550	550
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Regular	Premium
Carburetor	Auto. Choke 1V	Auto. Choke 1V	Auto. Choke 2V	Auto. Choke 4V
(Autolite Sales No.)	CA-568 (S/T)	CA-568 (S/T)	CA-565 (S/T)	CA-554 (S/T)
	CA-569 (A/T)	CA-569 (A/T)	CA-566 (A/T)	CA-545 (A/T)
Spark Plugs (Autolite Sales No.)	BF-82	BF-82	BF-42	BF-32
Spark Plug Gap	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"	0.032"-0.036"
Firing Order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-4-2-6-3-7-8	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027"	0.027"	0.021"	0.021" (Therm.)
Ignition Timing (BTDC) (2)(3)				0.017" (IMCO)
Manual Transmission				
Thermactor	6°	6°	6°	6°
Automatic Transmission				
Thermactor	6°	6°	6°	6°
IMCO	6°	6°	6°	6°
Battery (Autolite Sales No.)				
Group	22HF	22HF	22HF	22HF
Amp Size	45	45	45	45
Type—Standard	AL-22HF	AL-22HF	AL-22HF	AL-22HF
—Optional	SV-22HF	SV-22HF	SV-22HF	SV-22HF
Electrical (Autolite Sales No.)				
Point Set	DP-3	DP-3	DP-12	DP-12
Condenser	DC-6	DC-6	DC-13	DC-13
Cap	DH-4	DH-4	DH-6	DH-6
Rotor	DR-87	DR-87	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-5	EV-5	EV-8	EV-8
Filters (Autolite Sales No.)				
Oil	FL-1	FL-1	FL-1	FL-1
Air	FA-51	FA-51	FA-50	FA-50
Fuel	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchromesh Transmission

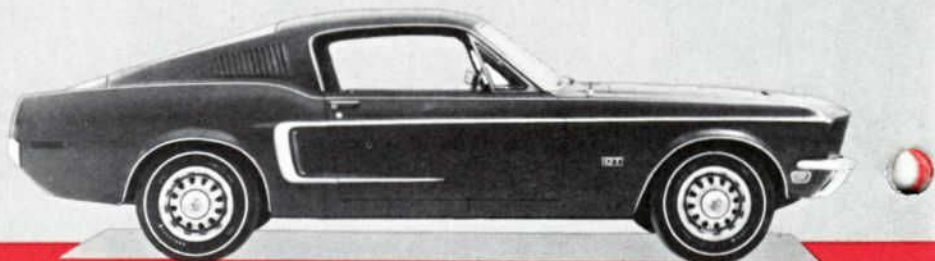
(A/T) Automatic Transmission

## SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
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.

# 1968 MUSTANG

## MODELS AND SPECIFICATIONS



### MODELS

- 2+2 FASTBACK
- HARDTOP
- CONVERTIBLE

### IDENTIFICATION

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

The official Vehicle Identification Number for title and registration purposes is stamped on the top upper flange of the left front fender apron.

### 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: Lift Lever Upward and Hold, Raise Hood

### GENERAL DIMENSIONS

Wheelbase .....	108.0"
Tread .....	
Front .....	58.0"
Rear .....	58.0"
Over-all Length .....	183.6"
Over-all Width .....	70.9"
Over-all Height .....	
Convertible .....	51.4"
Hardtop & 2 + 2 Fastback .....	51.6"

### APPROXIMATE REFILL CAPACITIES

	(U.S. Measure)
Fuel Tank .....	16 gal.
Cooling System (Includes 1 qt. for heater)	
200 CID .....	9.5 qts.
289 & 302 CID .....	15 qts.
390 & 427 CID .....	20.5 qts.
Crankcase (Includes 1 qt. for filter)	
200 CID .....	4.5 qts.
289, 302 & 390 CID .....	5 qts.
427 CID .....	6 qts.
Transmission	
3-Speed Manual .....	3.5 pts.
4-Speed Manual .....	4 pts.
Cruise-O-Matic	
200 CID .....	15 pts.
289 & 302 CID .....	17 pts.
390 & 427 CID .....	26 pts.
Rear Axle	
200 CID (2.83:1 & 3.20:1 ratios) .....	2.5 pts.
200, 289 & 302 CID .....	4 pts.
390 & 427 CID .....	5 pts.

### LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
<b>Standard Equipment</b>		
Headlights		
Hi-Lo Beam .....	40-50 Watts	6012
Front Side Marker .....	4 c.p.	1178-A
Front Park and Turn Signal .....	4-32 c.p.	1157
Rear Stop and Turn Signal .....	4-32 c.p.	1157-A
Back-Up Lamp .....	21 c.p.	1142
License Plate .....	4 c.p.	97
Courtesy		
Under Instrument Panel .....	6 c.p.	631
Lamp .....	2 c.p.	1895
Door (Fastback) .....	15 c.p.	1003
<b>Instrument Panel</b>		
All .....	2 c.p.	1895
<b>Accessory Equipment</b>		
Fog Lamp .....	35 Watts	4415-A
Fog Lamp Switch .....	1 c.p.	53X
Radio Dial .....	1.9 c.p.	1893
Transmission Quadrant .....	1.9 c.p.	1893
Courtesy Lamp (Console) .....	3 c.p.	1816
Ash Tray and Cigar Lighter .....	2 c.p.	1895
Glove Box (Console) .....	1.5 c.p.	1445
Engine & Luggage Compartment .....	6 c.p.	631
Convenience Group		
Seat Belt—Low Fuel .....	2 c.p.	1895
Door Ajar—Parking Brake .....	1 c.p.	257
Spotlight .....	30 Watts	4405
Parking Brake Release Warning .....	1.6 c.p.	256
Clock .....	2 c.p.	1895
Illuminated Emblem .....	15 c.p.	1003
Portable Trunk Lamp .....	15 c.p.	1003
A—Amber		

### CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.
Headlights .....	Integral with Light Switch	12	C.B.
Tail Lights, Parking Lights, License Lights and Horns .....	Integral with Light Switch	15	C.B.
Clock and Courtesy Lights .....	Fuse Panel	7.5	SFE
Instrument Panel Lights .....	Fuse Panel	2.5	AGA
Heater .....	Fuse Panel	14	SFE
Cigar Lighter and Emergency Warning Flasher .....	Integral with Lighter	20	SFE
Back-Up Lights and Radio .....	Fuse Panel	14	SFE
Turn Signal Circuit, Defogger, and Transmission Quadrant .....	Fuse Panel	14	SFE
Windshield Wipers .....	Integral with Wiper Switch	6	C.B.
Spotlight .....	Fuse Cartridge in Line	7.5	SFE
Convertible Top .....	Between Starter Relay and Junction Block	14 Gage Wire Fuse Safety Link	
Speed Control .....	Fuse Cartridge in Line	7.5	SFE
Air Conditioner .....	Fuse Panel	25	C.B.
Fog Light .....	Fuse Panel	10	C.B.
Motors: Windshield Wiper and Convertible Top .....	Integral with Motor		C.B.



# 1968 MUSTANG MODELS AND SPECIFICATIONS

## TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard—2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All Models except GT with 200, 289 & 302 CID with 390 CID	6.95 x 14 7.35 x 14	24 24	24 24	775	Driver plus 3 Passengers plus 175 lbs. of Luggage
GT Models with 289 H.P., 302 & 390 CID with 427 CID	F70 x 14(a) FR70 x 14(a)	24* 28	24* 28		
Optional Tires Wide Profile  Radial Ply (Type A)	E70 x 14 F70 x 14(a)  FR70 x 14(a) 185R x 14	24 24*  28 28	24 24*  28 28		

\* Tires may be inflated to 28 psi for special handling requirements.  
For special operating conditions: See Tire Specification Notes, Page 10.

(a) High Speed Capability.

## ENGINES

	200 CID I-6	289 CID V-8 2V	289 CID V-8 4V H.P.	302 CID V-8 4V	390 CID V-8 4V GT	427 CID V-8 H.P.
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	200 Cu. In.	289 Cu. In.	289 Cu. In.	302 Cu. In.	390 Cu. In.	427 Cu. In.
Bore and Stroke (Inches)	3.68 x 3.13	4.00 x 2.87	4.00 x 2.87	4.00 x 3.00	4.05 x 3.78	4.23 x 3.78
Compression Ratio	9.2:1	9.3:1	10.5:1	10.5:1	10.5:1	10.9:1
Brake Horsepower @ Specified rpm	120 @ 4400	200 @ 4400	271 @ 6000	235 @ 4800	320 @ 4800	390 @ 5600
Maximum Torque (lb. ft.) @ Specified rpm	190 @ 2400	282 @ 2400	312 @ 3400	318 @ 3200	427 @ 3200	460 @ 3400
Idle rpm (Adjust with lights on) (1)						
Manual Transmission						
Thermactor	700	625	750	625	700	—
Automatic Transmission						
Thermactor	—	—	650	—	550	600
IMCO	550	550	—	550	—	—
Valve Lifters	Hydraulic	Hydraulic	Mechanical	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Premium	Premium	Premium	Premium
Carburetor	Auto. Choke IV	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4V	Auto. Choke 4 V	Auto. Choke 4V
(Autolite Sales No.)	CA-568 (S/T) CA-569 (A/T)	CA-565 (S/T) CA-566 (A/T)	—	CA-554 (S/T) CA-545 (A/T)	—	—
Spark Plugs (Autolite Sales No.)	BF-82	BF-42	BF-32	BF-32	BF-32	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"
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	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027"	0.021"	0.020"	0.021" (Therm.) 0.017" (IMCO)	0.016"	0.017"
Ignition Timing (BTDC) (2)(3)						
Manual Transmission						
Thermactor	6°	6°	6°	6°	6°	—
Automatic Transmission						
Thermactor	—	—	6°	—	6°	6°
IMCO	6°	6°	—	6°	—	—
Battery (Autolite Sales No.)						
Group	22HF	22HF	22HF	22HF	22HF (S/T) 24F (A/T)	27HF
Amp Size	45	45	45	45	45 (S/T) 65 (A/T)	80
Type—Standard	AL-22HF	AL-22HF	AL-22HF	AL-22HF	AL-22HF (S/T) AL-24F (A/T)	SV-27HF80
—Optional	SV-22HF	SV-22HF	SV-22HF	SV-22HF	SV-22HF (S/T) SV-24F (A/T)	—
Electrical (Autolite Sales No.)						
Point Set	DP-3	DP-12	DP-12	DP-12	DP-12	DP-12
Condenser	DC-6	DC-13	DC-13	DC-13	DC-13	DC-13
Cap	DH-4	DH-6	DH-6	DH-6	DH-6	DH-6
Rotor	DR-87	DR-5	DR-5	DR-5	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-5	EV-8	EV-8	EV-8	EV-2	EV-2
Filters (Autolite Sales No.)						
Oil	FL-1	FL-1	FL-1	FL-1	FL-1	FL-1
Air	FA-51	FA-50	FA-41	FA-50	FA-41	FA-41
Fuel	FG-14	FG-14	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchronmesh Transmission

A/T Automatic Transmission

## SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-123	AX-129	—
Rear	AB-21	AX-76	AA-145

# 1968 THUNDERBIRD

## MODELS AND SPECIFICATIONS



### IDENTIFICATION

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

The official Vehicle Identification Number for title and registration purposes is stamped on the right-hand side of the top cowl panel in the engine compartment.

### 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—Right Hand Cowl to Right of Glove Compartment
- CIRCUIT BREAKER PANEL—Behind Glove Compartment
- HOOD LATCH—Top Center of Grille
- To Open: Pull Lever Out, Raise Hood

### MODELS

- 2-DOOR HARDTOP • 2-DOOR LANDAU • 4-DOOR LANDAU
- 4-DOOR TOWN SEDAN (Available approximately January 1, 1968)

### GENERAL DIMENSIONS

Wheelbase	
2-Door Hardtop & Landau	114.7"
4-Door Sedan & Landau	117.2"
Tread	
Front	62.0"
Rear	62.0"
Over-all Length	
2-Door	206.9"
4-Door	209.4"
Over-all Width	77.3"
Over-all Height	
2-Door	52.6"
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	
390 CID	22 pts.
429 CID	26 pts.
Rear Axle	5 pts.

### LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
<b>Standard Equipment</b>		
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
Map	6 c.p.	212 or 212-1
"C" Pillar	15 c.p.	1003
Auto. Trans. Quadrant	1.5 c.p.	1445
Door Courtesy*	12 c.p.	211 or 212-1
Luggage Compartment	6 c.p.	631
Glove Compartment	6 c.p.	631
Back-up Lamps	32 c.p.	1156
Front Side Marker	4 c.p.	97NA
<b>Instrument Panel</b>		
Brake & Seat Belt Warning	2 c.p.	194
Ignition Switch	1 c.p.	161
Hi-Beam & Turn Signal Indicators	2 c.p.	194
Instruments	2 c.p.	194
Heater, A/C, Rear Vent & Wipers	2 c.p.	1895
<b>Accessory Equipment</b>		
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	1.5 c.p.	1445
Flasher	1.5 c.p.	1445
Door Lock	1.6 c.p.	256
Seat Belt	1.5 c.p.	1445

\*California Only: 6 c.p. # 631. NA—Natural Amber. A—Amber

### CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Back of Headlight Switch	18	C.B.
Tail, Parking, License and Side Marker	Back of Headlight Switch	15	C.B.
Electric Windows or Seats	C.B. Panel	20	C.B.
Cigar Lighter	Fuse Panel	20	SFE
Stoplights & Emergency Warning Flasher	C.B. Panel	20	C.B.
Interior Lights: Map, Courtesy, Dome, Glove & Luggage Comp.	Fuse Panel	14	SFE
Antenna	Fuse Panel	10	SFE
Instrument Panel Lights	Fuse Panel	6	SFE
Heater & Air Conditioner	C.B. Panel	20	C.B.
Ammeter	Fuse Panel	14	SFE
Dual Brake Warning	Fuse Panel	6	SFE
Radio & Defogger	Fuse Panel	7.5	SFE
Turn Signal Flasher	Fuse Panel	15	SFE
Windshield Washer	Fuse Panel	7.5	SFE
Back-up Lamps	Fuse Panel	7.5	SFE
Open Door Warning Light	Fuse Panel	7.5	SFE
Speed Control and Seat Belt Warning Light	Fuse Panel	4	SFE
Low Fuel Level Warning Light	Fuse Panel	7.5	SFE
Clock & Stereo	Fuse Panel	15	SFE

FUSE PANEL LOCATED INSIDE GLOVE COMPARTMENT  
 CIRCUIT BREAKER PANEL LOCATED BEHIND GLOVE COMPARTMENT  
 SEQUENTIAL TURN SIGNAL FLASHER MOTOR AND RELAY  
 (In Luggage Compartment) \*C.B. Circuit Breaker

# 1968 THUNDERBIRD

## MODELS AND SPECIFICATIONS



### TIRE INFLATION AND LOAD RECOMMENDATIONS

Model	Tire Usage Standard—4-Ply 8-Ply Rating	Recommended Tire Pressure (Up to Full Rated Load)		Full Rated (Max.) Load (Lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All Fordor	8.15 x 15	28	27	1050	Driver + 4 Pass. + 250 lbs. Luggage
Tudor (Without Air Cond.)	8.15 x 15†	26	24	900	Driver + 4 Pass. + 200 lbs. Luggage
Tudor (With Air Cond.)	8.15 x 15	26	24	900	

For special operating conditions: See Tire Specification Notes, Page 10. †2-Ply, 4-Ply Rating

### ENGINES

	390 CID V-8 4V	429 CID V-8 4V
Type	8-Cyl. 90° V OHV	8-Cyl. 90° V OHV
Displacement	390 Cu. In.	429 Cu. In.
Bore and Stroke (Inches)	4.05 x 3.78	4.36 x 3.59
Compression Ratio	10.5:1	11.0:1
Brake Horsepower @ Specified rpm	315 @ 4600	360 @ 4600
Maximum Torque (lb. ft.) @ Specified rpm	427 @ 2800	476 @ 2800
Idle rpm (Adjust with lights on) (1)		
Manual Transmission		
Thermactor	—	—
Automatic Transmission		
Thermactor	—	—
IMCO	—	550
Valve Lifters	Hydraulic	Hydraulic
Fuel	Premium	Premium
Carburetor	Auto. Choke 4V	Auto. Choke 4V
(Autolite Sales No.)	CA-547 (S/T)	CA-551 with A/C
CA-548 (A/T)	CA-550 w.o. A/C	BF-42
BF-32	0.032" - 0.036"	0.032" - 0.036"
1-5-4-2-6-3-7-8	0.017"	0.017"
0.017"		
Spark Plugs (Autolite Sales No.)		
Spark Plug Gap		
Firing Order		
Distributor Point Gap		
Ignition Timing (BTDC) (2)(3)		
Manual Transmission		
Thermactor	—	—
Automatic Transmission	—	—
Thermactor	—	—
IMCO	6°	6°
Battery (Autolite Sales No.)		
Group	22HF (S/T)	27HF
24F (A/T)		
Amp Size	45 (S/T)	80
55 (A/T)		
Type—Standard	AL-22HF (S/T)	SV-27HF80
—Optional	AL-24F (A/T)	—
SV-22HF (S/T)		
SV-24F (A/T)		
Electrical (Autolite Sales No.)		
Point Set	DP-12	DP-12
Condenser	DC-13	DC-13
Cap	DH-6	DH-6
Rotor	DR-5	DR-5
Regulator	GR-341	GR-341
Ignition Coil	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-8	EV-8
Filters (Autolite Sales No.)		
Oil	FL-1	FL-1
Air	FA-50	FA-50
Fuel	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchromesh Transmission

(A/T) Automatic Transmission

### SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-105	AX-110	—
Rear	AB-104	AX-108	AA-134



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 .....	10 qts.
289 CID V-8 .....	17 qts.
Crankcase (Includes 1 qt. for filter)	
170 CID Six .....	7 qts.
289 CID V-8 .....	6 qts.
Transmission:	
3-Speed Manual .....	3½ pts.
Front Axle .....	3¾ pts.
Rear Axle .....	5 pts.
Transfer Case .....	2¾ pts.
Oil Bath Air Cleaner .....	1 pt.

## LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
Headlights .....	40-50 Watts	6012
Front Park and Turn Signal .....	4-32 c.p.	1157-A
Rear Stop and Turn Signal .....	4-32 c.p.	1157
License Plate .....	4 c.p.	1178
Map .....	6 c.p.	631
All Instrument Panel Lights unless otherwise shown .....	2 c.p.	1895
Turn Signal Indicator .....	2 c.p.	1895
A—Amber		

## TIRE PRESSURES

The tires should be checked regularly to be sure the air pressure agrees with specifications.

TIRE SIZE AND PLY RATING	RIM TYPE	Recommended Tire Inflation (Cold) (lbs.)	
		Front	Rear
7.35 x 15 4-Ply Passenger Type ..	5½ K	30	30
7.75 x 15 4-Ply Passenger Type ..	5½ K	30	30
7.75 x 15 8-Ply Passenger Type ..	5½ K	30	30
8.15 x 15 4-Ply Passenger Type ..	5½ K	30	30
8.15 x 15 8-Ply Passenger Type ..	5½ K	30	40
9.15 x 15 4-Ply Passenger Type ..	5½ K	30	30

## TUBE TIRES

6.50 x 16 6-Ply Truck Type .....	5K	32	40
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## 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

# Specifications



## IDENTIFICATION

The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the inner left side cowl panel near the clutch.

The official Vehicle Identification Number for title and registration purposes is located on the instrument panel on the passenger's side so it can be seen from outside the vehicle. 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	Integral with Light Switch	15	C.B.
Heater	Fuse Panel	20	SFE
Radio	Fuse Panel	14	SFE
Map (Courtesy)	Fuse Panel	15	AGA
Instrument Panel	Fuse Panel	2	AG
		4	AGW
Emergency Warning Flasher	Fuse Panel	20	SFE
Windshield Washer Pump Motor	Fuse Panel	14	SFE
Turn Signal & Backup Lights	Fuse Panel	14	SFE
Cigar Lighter	Fuse Panel	15	SFE

\*C.B. Circuit Breaker

## ENGINES

	170 CID I-6	289 CID V-8 2V
Type	In Line 6-Cyl.	8-Cyl. 90° V OHV
Displacement	170 Cu. In.	289 Cu. In.
Bore and Stroke (Inches)	3.50 x 2.94	4.00 x 2.87
Compression Ratio	9.1:1	9.3:1
Brake Horsepower @ Specified rpm	105 @ 4400	200 @ 4400
Maximum Torque (lb. ft.) @ Specified rpm	158 @ 2400	282 @ 2400
Idle rpm (Adjust with lights on) (1)		
Manual Transmission		
Thermactor	700	625
Automatic Transmission		
Thermactor	—	—
IMCO	—	—
Valve Lifters	Hydraulic	Hydraulic
Fuel	Regular	Regular
Carburetor	Auto. Choke 1V	Auto. Choke 2V
(Autolite Sales No.)	CA-568 (S/T)	CA-565 (S/T)
	CA-569 (A/T)	CA-566 (A/T)
	BF-82	BF-42
Spark Plugs (Autolite Sales No.)	0.032"-0.036"	0.032"-0.036"
Spark Plug Gap	1-5-3-6-2-4	1-5-4-2-6-3-7-8
Firing Order	0.027"	0.021"
Distributor Point Gap		
Ignition Timing (BTDC) (2)(3)		
Manual Transmission		
Thermactor	6°	6°
Automatic Transmission		
Thermactor	—	—
IMCO	—	—
Battery (Autolite Sales No.)		
Group	22HF	22HF
Amp Size	45	45
Type—Standard	AL-22HF	AL-22HF
—Optional	SV-22HF	SV-22HF
Electrical (Autolite Sales No.)		
Point Set	DP-3	DP-12
Condenser	DC-6	DC-13
Cap	DH-4	DH-6
Rotor	DR-87	DR-5
Regulator	GR-341	GR-341
Ignition Coil	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-5	EV-8
Filters (Autolite Sales No.)		
Oil	FL-1	FL-1
Air	FA-51	FA-50
Fuel	FG-14	FG-14

See engine specification notes, page 8, for explanation of Notes (1), (2), (3)

(S/T) Synchronesh Transmission

A/T) Automatic Transmission

## SHOCK ABSORBERS (Autolite Sales No.)

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

# FORD TRUCKS

# 1968 Models &

Ford F-250



Ford F-100



Ford F-350



Ford Parcel Delivery



## ENGINES

	240 CID SIX	300 CID SIX	360 CID V-8	390 CID V-8
Bore (inches)	4.00	4.00	4.00	4.05
Stroke (inches)	3.18	3.98	3.50	3.786
Taxable (SAE) Horsepower	38.4	38.4	52.49	52.49
Max. Gross Horsepower (bhp rpm)	150 @ 4000	170 @ 14-3600	215 @ 4400	255 @ 4400
Max. Gross Torque (ft.-lbs. @ rpm)	234 @ 2200	283 @ 14-2400	327 @ 2400	376 @ 2600
Compression Ratio	9.2:1	8.4:1	8.4:1	8.6:1
Compression Pressure (1) (psi at cranking speed)	150-200	150-200	120-160	120-160
Idle Speed RPM (2)				
Manual Transmission				
Non-Thermactor	525	525	—	—
Thermactor	600	600	625	625
Automatic Transmission (In Drive)				
Non-IMCO	500	500	—	—
IMCO	500	500	550	550
Oil Pressure—Hot (psi @ 2000 rpm)	35-55	35-60	35-55	35-55
Cylinder 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
Spark Plugs	BTF-42	BTF-42	BF-32	BF-32
Spark Plug Gap	.032"-.036"	.032"-.036"	.032"-.036"	.032"-.036"
Distributor Point Gap				
Thermactor or IMCO	0.027"	0.027"	0.021"	0.021"
Non-Thermactor or Non-IMCO	0.025"	0.025"	0.017"	0.017"
Ignition Timing (3) (4)				
Manual Transmission	6°	6°	10°	10°
Automatic Transmission	10°	10°	10°	10°
Thermactor or IMCO	6°	6°	6°	6°

(1) Allowable tolerance between cylinders 20 psi. (2) All idle speeds are adjusted with the headlights on, automatic transmissions in drive, and the air conditioner operating at maximum cooling. (3) When checking on or adjusting initial ignition setting, engine idle speed must be below 600 rpm and distributor vacuum hoses must be disconnected at the distributor. Plug manifold vacuum hose, if so equipped. (4) If requirements or the use of sub-standard fuels dictate, initial timing may have to be retarded to prevent detonation. Retard progressively, but do not exceed 2° BTDC.

## FORD DIESEL ENGINE

Engine	4-Cylinder 242
Bore (inches)	4.125
Stroke (inches)	4.516
Displacement (cubic inches)	242
Taxable (SAE) Horsepower	28.8
Horsepower @ rpm—	
Net	74 @ 2800
Gross	82.5 @ 2800
Maximum Torque (ft.-lb. @ rpm)	
Net	178 @ 1700
Gross	186 @ 1700
Compression Ratio	16.5:1
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



# Specifications

SERIES 100 THRU 350, AND P SERIES

# FORD TRUCKS

## APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

### COOLING

(Add 1 quart for trucks equipped with heater)

Engine	Truck Model	Quarts
240 CID	F-100 and F-250—4 x 2 (Standard)	13
240 CID	F-100 and F-250—4 x 2 RPO F-100 and F-250—4 x 4, and F-350 Single Rim Rear Wheels	14
240 CID	F-350 Double Rim Rear Wheels	18
240 CID	P-350, P-400, P-500	19
300 CID	F-100 and F-250—4 x 2 (Standard)	13
300 CID	F-100 and F-250—4 x 2 RPO F-100 and F-250—4 x 4, and F-350 Single Rim Rear Wheels	14
300 CID	F-350 Double Rim Rear Wheels	18
300 CID	P-350, P-400, P-500	19
360 CID	F-100, F-250, F-350 Single Rim Rear Wheels	21
390 CID	F-350 Double Rim Rear Wheels	24
242 CID DIESEL	P-3500, P-4000, P-5000	17

### 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
360 CID V-8	5
390 CID V-8	5
242 CID DIESEL (Add 1½ pints for full-flow filter)	8

### REAR AXLE

Rear Axle Model	Truck Model	Pints
Ford 3300	F-100, P-100	4½
(t) Spicer 43	F-100 (Limited Slip)	4½
(t) Spicer 44F (front axle)	4-Wheel Drive (F-100, F-250)	3¼ *
(t) Spicer 44F HD (front axle)	4-Wheel Drive (F-250)	3¼ **
(t) Spicer 60-3	F-100	6
(t) Spicer 60	F-100, P-350, P-3500	6
(t) Spicer 70	F-350, P-350, P-3500, P-400, P-4000	6
Rockwell C-100-N	P-500, P-5000	15
Rockwell D-100-N	P-500	15

\*Add ½ pint for each steering knuckle. \*\*Add 1 pint for each steering knuckle.  
(t) Dana

### 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 or frame mounted)	P-350/500	30
Optional (mounted outside or frame mounted)	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)	3¾
3-Speed Heavy Duty (Warner T-87-G)	5½
4-Speed (Warner T-18 and T-98-A)	6½
4-Speed (New Process 435)	6½
HD Cruise-O-Matic	22
C-4 Automatic	20½
4-Wheel Drive Transfer Case Single Speed F-100	1¼
4-Wheel Drive Transfer Case 2-Speed F-250	4½

## CIRCUIT PROTECTION

Circuit

Protective Device

Location

F-100, F-250, F-350 Series Cargo Lamp, Dome Light, Windshield Washer	SFE-14 Fuse	Fuse Panel
Emergency Warning System	AGX-20 Fuse	Fuse Panel
Headlamps	Circuit Breaker	Integral w/Headlamp Switch
Heater	SFE-20 Fuse	Fuse Panel
Instrument Panel Lights	1-AG or AGA-2 Fuse	Fuse Panel
License Light	Circuit Breaker	Integral w/Headlamp Switch
Lighter	AGW-15 Fuse	Internal
Marker Lights	Circuit Breaker	Fuse Panel
Overdrive Circuit	15-AG Fuse	Clip on O/D Relay
Radio	SFE-14 Fuse	Fuse Panel
Spotlight	SFE-7.5 Fuse	Cartridge in Feed Wire
Stop Lamp	Circuit Breaker	Integral w/Headlamp Switch
Turn Signal Lights	SFE-14 Fuse	Fuse Panel
Windshield Wiper	Circuit Breaker	Integral w/Headlamp Switch
P-Series Emergency Warning System	SFE-14 Fuse	Cartridge in Feed Wire
Headlamps	Circuit Breaker	Integral w/Headlamp Switch
Heater	SFE-14 Fuse	Cartridge in Feed Wire
Instrument Panel Lights	1-AG Fuse	Cartridge in Feed Wire
License Lamp	Circuit Breaker	Integral w/Headlamp Switch
Parking Lamps	Circuit Breaker	Integral w/Headlamp Switch
Stop Lamp	Circuit Breaker	Integral w/Headlamp Switch
Turn Signal Lights	10-AGC Fuse	Cartridge in Feed Wire
Windshield Wiper	Circuit Breaker	Integral w/Headlamp 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 c.p.	97
Front Turn Signal/Parking	4-32 c.p.	1157
Front or Rear Turn Signals Only	32 c.p.	1156
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	4-32 c.p.	1157
Spotlight	30 Watts	4435
Turn Signal Indicator	2 c.p.	1895
Brake Warning Light	1.5 c.p.	1445

# FORD TRUCKS



# 1968 Models &

## ENGINES (GAS)

	240-6	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	4.000	3.875	3.875	4.050	4.050	4.125	4.500	4.500
Stroke (inches)	3.180	3.980	3.980	3.500	3.500	3.500	3.786	3.750	3.750	4.200
Taxable Horsepower	38.40	38.40	38.40	48.05	48.05	52.49	52.49	54.00	65.00	65.00
Brake Horsepower @ Specified rpm	150 @ 4400	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)	3800	3600	3600	3600	3600	3600	3600	3400	3200	3000
(no-load)	4000	3800	3800	3900	3800	3800	3800	25-3400	25-3400	25-3200
Auto. Transmission (load)	3800	3600	3600	3600	3600	3600	3600	3600	3400	3200
(no-load)	4000	3800	3800	3900	3900	3800	3800	3800	3600	3400
Max. Gross Torque lb.-ft. @ rpm	234 @ 2200	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	9.2:1	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	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—										
Non-Thermactor	525	525	525	525	525	525	525	525	525	525
Thermactor	600	600	600	—	—	—	—	—	—	—
Automatic Transmission—(In Drive)										
Non-IMCO	500	500	500	—	500	500	500	500	500	500
IMCO	500	500	500	—	—	—	—	—	—	—
Ignition Timing (BTDC) (2) (3)										
Non-Thermactor—Non-IMCO	—	—	—	12° (4)	10° (4)	10° (4)	8° (4)	8°	8°	8°
Manual Transmission	—	—	—	—	10° (4)	10° (4)	8° (4)	8°	8°	8°
Automatic Transmission	—	—	—	—	—	—	—	—	—	—
Thermactor or IMCO	6°	6°	6°	—	—	—	—	—	—	—
Oil Pressure—Hot psi @ 2000 rpm	35-60	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)	4-LD 5-MD	5	6	8	8	8	8	9*	9*	9*
Firing Order	1-5-3- 6-2-4	1-5-3- 6-2-4	1-5-3- 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										
Non-Thermactor—Non-IMCO	.025	.025	.025	.017	.017	.017	.017	.017	.017	.017
Thermactor or IMCO	.027	.027	.027	—	—	—	—	—	—	—
Transistorized Dist. Point Gap (inches)	—	—	—	—	—	—	—	.019- .021	.019- .021	.019- .021
Spark Plug Gap (inches)	.028- .032	.032- .036	.028- .032	.028- .032	.028- .032	.028- .032	.028- .032	.028- .032	.028- .032	.028- .032

See engine specification notes, page 8, for explanation of Notes (1), (2), (3) and (4).

## 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
Bore (inches)	4.250	4.250	4.250	4.250	4.250	4.250
Stroke (inches)	5.000	5.000	5.000	5.000	5.000	5.000
Brake Horsepower @ rpm	195 @ 1950	218 @ 2100	238 @ 2100	260 @ 1950	290 @ 2100	318 @ 2100
Maximum Gross Torque lb.-ft. @ rpm	570 @ 1200	604 @ 1200	650 @ 1400	761 @ 1200	805 @ 1200	864 @ 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

# 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	19	5 (4)
300 Six	F-500, N-500, B-500	19	5 (4)
300 HD Six	F-600, N-600, B-600 C-550, C-600	19 21	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: (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	34 32	4½
V8E-235 V8-265	W-1000-D, WT-1000-D	54	4
NTC-335	W-1000-D, WT-1000-D	58	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
1673 1673-B	W-1000-D, WT-1000-D	43	6¼
Ford 363	C-6000, C-7000 F-, N-, B-6000 & 7000	27 23	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	6½
5-Speed Heavy Duty (Clark 265)	Rt	Center Rear	11½
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	12
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
12-Speed (Spicer 8125)	L	L	28
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	FORWARD	REARWARD	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.

# 1968 COUGAR MODELS AND SPECIFICATIONS



## MODELS

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

## IDENTIFICATION

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

The official Vehicle Identification Number for title and registration purposes is stamped on a metal tab located on the right side of the vehicle between the instrument panel pad and windshield.

## 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 .....	111.0"
Tread .....	
Front .....	58.1"
Rear .....	58.1"
Over-all Length .....	190.3"
Over-all Width .....	71.2"
Over-all Height .....	51.8"

## APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank .....	17 gal.
Cooling System (Includes 1 qt. for heater)	
302 CID .....	15 qts.
390 & 427 CID .....	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	
302 & 390 CID .....	5 qts.
427 CID .....	6 qts.
Transmission .....	
3-Speed Manual .....	3.5 pts.
4-Speed Manual .....	4 pts.
Select-Shift Merc-O-Matic .....	
302 CID .....	18 pts.
390 & 427 CID .....	26 pts.
Rear Axle .....	
302 CID .....	4 pts.
390 & 427 CID .....	5 pts.

## LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Watts	Lamp Number
<b>Standard Equipment</b>		
Headlights		
Hi-Lo Beam .....	37.5 & 50 Watts	4002
Hi-Beam .....	37.5 Watts	4001
Front Parking/Turn Signal/Flasher .....	4-32 c.p.	1157A
Rear Stop/Turn Signal/Flasher .....	4-32 c.p.	1157
License Plate .....	4 c.p.	97
Front Side Marker .....	4 c.p.	97NA
Map .....	6 c.p.	631
Courtesy "C" Pillar .....	15 c.p.	1003
Auto. Trans. Quadrant .....	1.5 c.p.	1445
Door Courtesy .....	3 c.p.	1816
Luggage & Glove Compartment .....	6 c.p.	631
Back-up Light .....	32 c.p.	1156
<b>Instrument Panel</b>		
All (Unless otherwise shown) .....	2 c.p.	1895
Speedometer .....	2 c.p.	1445
Courtesy Light .....	6 c.p.	631
<b>Accessory Equipment</b>		
Parking Brake Warning .....	2 c.p.	1895
Radio .....	1.9 c.p.	1893
Spotlight .....	30 Watts	4405
Console Light .....	3 c.p.	1816
<b>Visual Check Panel</b>		
Low Fuel Warning .....	2 c.p.	1895
Door Lock Warning .....	1.6 c.p.	256
Seat Belt Warning .....	2 c.p.	1895
Parking Brake Warning .....	2 c.p.	1895
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.
Parking, Tail & License Lights and Horns .....	Integral with Light Switch	15	C.B.
Stop Lights and Emergency Warning Flasher .....	Bracket at Fuse Panel	15	C.B.
Air Conditioning .....	Bracket at Fuse Panel	25	C.B.
Heater .....	Fuse Panel	14	SFE
Rear Lamp Feed Wire .....	In Trunk	5	C.B.
Windshield Wiper .....	Integral with Wiper Switch		C.B.
Back-up Lights, Seat Belt Warning, Auto. Trans. Quadrant, Radio & Visual Check Panel .....	Fuse Panel	14	SFE
Lights for Instrument Panel, Clock and Ash Tray .....	Fuse Panel	2.5	AGA
Lighter .....	Fuse Panel	14	SFE
Courtesy, Glove Compartment, Luggage Compartment, Clock, Tachometer & Radio .....	Fuse Panel	7.5	SFE
Speed Control .....	Cartridge in Feed Wire	7.5	SFE
Turn Signal .....	Cartridge in Feed Wire	15	SFE
Spotlight .....	Cartridge in Feed Wire	7.5	SFE
Motors: Windshield Wiper, Power Windows & Power Seat .....	Integral with Motor		C.B.

\*C.B. Circuit Breaker



# 1968 COUGAR MODELS AND SPECIFICATIONS

## TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard— 2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All models except GT	E70 x 14 or 7.35 x 14	25	25	775 *	Driver + 3 Pass. + 175 lbs. Luggage
GT Models	F70 x 14(a)	24*	24*		
Optional Tires				For special operating conditions: See Tire Specification Notes, Page 10. *Tires may be inflated to 28 psi for special handling requirements (a) High Speed Capability	
Wide Profile	E70 x 14 F70 x 14(a)	25 24*	25 24*		
Radial Ply	FR70 x 14(a)	28	28		

## ENGINES

	302 CID V-8 2V	302 CID V-8 4V	390 CID V-8 2V	390 CID V-8 4V GT	427 CID V-8 H.P.
Type	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	302 Cu. In.	302 Cu. In.	390 Cu. In.	390 Cu. In.	427 Cu. In.
Bore and Stroke (Inches)	4.00 x 3.00	4.00 x 3.00	4.05 x 3.78	4.05 x 3.78	4.23 x 3.78
Compression Ratio	9.0:1	10.0:1	10.5:1	10.5:1	10.9:1
Brake Horsepower @ Specified rpm	210 @ 4600	230 @ 4800	280 @ 4400	325 @ 4800	390 @ 5600
Maximum Torque (lb. ft.) @ Specified rpm	295 @ 2600	310 @ 2800	403 @ 2600	427 @ 3200	460 @ 3200
Idle rpm (Adjust with lights on) (1)					
Manual Transmission					
Thermactor	625	625	625	700	—
Automatic Transmission					
Thermactor	—	—	—	550	600
IMCO	550	550	550	—	—
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Premium	Premium	Premium
Carburetor	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 2V	Auto. Choke 4 V	Auto. Choke 4V
(Autolite Sales No.)	CA-556 (S/T) CA-557 (A/T)	CA-554 (S/T) CA-545 (A/T)	CA-554 (S/T) CA-555 (A/T)	—	—
Spark Plugs (Autolite Sales No.)	BF-32	BF-32	BF-32	BF-32	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"
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	1-5-4-2-6-3-7-8
Distributor Point Gap	0.021"	0.021" (Therm.)	0.021" (IMCO)	0.016"	0.017"
Ignition Timing (BTDC) (2)(3)		0.017" (IMCO)			
Manual Transmission					
Thermactor	6°	6°	6°	6°	—
Automatic Transmission					
Thermactor	—	—	—	6°	6°
IMCO	6°	6°	6°	—	—
Battery (Autolite Sales No.)					
Group	22HF	22HF	22HF (S/T) 24F (A/T)	22HF (S/T) 24F (A/T)	27HF
Amp Size	45	45	45 (S/T) 55 (A/T)	45 (S/T) 65 (A/T)	80
Type—Standard	AL-22HF	AL-22HF	AL-22HF (S/T) AL-24F (A/T)	AL-22HF (S/T) AL-24F (A/T)	SV-27HF80
—Optional	SV-22HF	SV-22HF	SV-22HF (S/T) SV-22F (A/T)	SV-22HF (S/T) SV-24F (A/T)	—
Electrical (Autolite Sales No.)					
Point Set	DP-12	DP-12	DP-12	DP-12	DP-12
Condenser	DC-13	DC-13	DC-13	DC-13	DC-13
Cap.	DH-6	DH-6	DH-6	DH-6	DH-6
Rotor	DR-5	DR-5	DR-5	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-8	EV-8	EV-8	EV-2	EV-2
Filters (Autolite Sales No.)					
Oil	FL-1	FL-1	FL-1	FL-1	FL-1
Air	FA-50	FA-50	FA-50	FA-41	FA-41
Fuel	FG-14	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchronesh Transmission

(A/T) Automatic Transmission

## SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-123	AX-129	—
Rear	AB-21	AX-124	AA-145

# 1968 MERCURY MONTEGO

## MODELS AND SPECIFICATIONS



### MODELS

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

### IDENTIFICATION

The official Vehicle Identification Number for title and registration purposes is stamped on a metal tab located on the right side of the vehicle between the instrument panel pad and windshield.

The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear lock face of the left front door inner 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 & Station Wagon	206.1"
Station Wagon	203.9"
Cyclone Fastback	203.1"
Over-all Width	76.0"
Over-all Height	
4-door Sedan	55.0"
2-door Hardtop	53.6"
Cyclone Fastback	53.4"
Station Wagon	56.2"
Convertible	54.2"

### APPROXIMATE REFILL CAPACITIES

(U.S. Measure)

Fuel Tank	20 gal.
Cooling System (Includes 1 qt. for heater)	
200 CID	9.5 qts.
302 CID	15 qts.
390 & 427 CID	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	
200 CID	4.5 qts.
302 & 390 CID	5 qts.
427 CID	6 qts.
Transmission	
3-Speed Manual	3.5 pts.
4-Speed Manual	4 pts.
Select-Shift Merc-O-Matic	
200 CID	16 pts.
302 CID	18 pts.
390 & 427 CID	26 pts.
Rear Axle	
200 CID (2.83:1 & 3.20:1 ratios)	2.5 pts.
200 & 302 CID	4 pts.
390 & 427 CID	5 pts.

### LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
<b>Standard Equipment</b>		
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 Stop & Turn Signal	4-32 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
Courtesy (Instrument Panel)	6 c.p.	631
<b>Instrument Panel</b>		
All (Unless otherwise shown)	2 c.p.	194
Radio Dial	2 c.p.	1893
Parking Brake Warning	2 c.p.	1895
Clock or Tachometer	2 c.p.	1895
Seat Belt Warning	2 c.p.	1895
Ignition Switch	2 c.p.	1895
<b>Accessory Equipment</b>		
Glove Compartment	2 c.p.	1895
Engine & Luggage Compartment	6 c.p.	631
Spotlight	30 Watts	4405
Cargo (Station Wagon)	15 c.p.	1003
Map	6 c.p.	1895
Auto. Trans. Quadrant (Column)	1 c.p.	161
Auto. Trans. Quadrant (Floor)	1.9 c.p.	1893
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 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)	Fuse Panel	20	SFE
Windshield Wiper	Integral with Wiper Switch		C.B.
Power Windows, Power Seat Adjuster & Power Backlite	On Starter Relay	20	C.B.
Convertible Top	Between Starter Relay and Junction Block	14 Gage Wire	Fuse Safety Link
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



# 1968 MERCURY MONTEGO

## MODELS AND SPECIFICATIONS

### TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard—2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All models except GT, Comet Hardtop Sports Coupe and Station Wagon with 200, 302 & 390 CID with 427 CID	7.75 x 14 F70 x 14(a)	24 24*	26 26*	Sedans, Hardtops & Convertibles with Bench Seats—1100	Driver + 5 Pass. + 200 lbs. Luggage
Comet Hardtop Sport Coupe with 200 & 302 CID with 390 CID with 427 CID	7.35 x 14 7.75 x 14 F70 x 14(a)	24 24 24*	26 26 26*		
GT Models with 302 & 390 CID with 427 CID	F70 x 14(a) FR70 x 14(a)	24* 28	26* 28		
Station Wagon with 200 & 302 CID with 390 CID	7.75 x 14 7.75 x 14†	22 22	32 34	1200	2-Seats: Driver + 5 Pass. + 300 lbs. Lug. 3-Seats: Driver + 7 Pass. or Driver + 5 Pass. + 300 lbs. Lug.
Optional Tires Wide Profile Radial Ply	F70 x 14(a) FR70 x 14(a)	24* 28	26* 28	*Tires may be inflated to 28 psi for special handling requirements †4-Ply, 8-Ply Rating (a) High Speed Capability For special operating conditions: See Tire Specification Notes, Page 10.	

### ENGINES

	200 CID I-6	302 CID V-8 2V	302 CID V-8 4V	390 CID V-8 2V	390 CID V-8 4V GT	427 CID V-8 H.P.
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	200 Cu. In.	302 Cu. In.	302 Cu. In.	390 Cu. In.	390 Cu. In.	427 Cu. In.
Bore and Stroke (Inches)	3.68 x 3.13	4.00 x 3.00	4.00 x 3.00	4.05 x 3.78	4.05 x 3.78	4.23 x 3.78
Compression Ratio	8.8:1	9.0:1	10.0:1	9.5:1	10.5:1	10.9:1
Brake Horsepower @ Specified rpm	115 @ 3800	210 @ 4600	230 @ 4800	265 @ 4400	325 @ 4800	390 @ 5600
Maximum Torque (lb. ft.) @ Specified rpm	190 @ 2200	295 @ 2600	310 @ 2800	390 @ 2600	427 @ 3200	460 @ 3200
Idle rpm (Adjust with lights on) (1)						
Manual Transmission						
Thermactor	700	625	625	625	700	—
Automatic Transmission						
Thermactor	—	—	—	—	550	600
IMCO	550	550	550	550	—	—
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Premium	Regular	Premium	Premium
Carburetor	Auto. Choke IV	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4V
(Autolite Sales No.)	CA-568 (S/T) CA-569 (A/T)	CA-556 (S/T) CA-557 (A/T)	CA-554 (S/T) CA-545 (A/T)	CA-554 (S/T) CA-555 (A/T)	—	—
Spark Plugs (Autolite Sales No.)	BF-82	BF-32	BF-32	BF-32	BF-32	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*
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	1-5-4-2-6-3-7-8
Distributor Point Gap	0.027*	0.021*	0.021* (Therm.) 0.017* (IMCO)	0.021* (Therm.) 0.017* (IMCO)	0.016*	0.017*
Ignition Timing (BTDC) (2)(3)						
Manual Transmission						
Thermactor	6°	6°	6°	6°	6°	—
Automatic Transmission						
Thermactor	—	—	—	—	6°	6°
IMCO	6°	6°	6°	6°	—	—
Battery (Autolite Sales No.)						
Group	22HF	22HF	22HF	22HF (S/T) 24F (A/T)	22HF (S/T) 24F (A/T)	27HF
Amp Size	45	45	45	45 (S/T) 55 (A/T)	45 (S/T) 65 (A/T)	80
Type—Standard	AL-22HF	AL-22HF	AL-22HF	AL-22HF (S/T) AL-24F (A/T)	AL-22HF (S/T) AL-24F (A/T)	SV-27HF80
—Optional	SV-22HF	SV-22HF	SV-22HF	SV-22HF (S/T) SV-22F (A/T)	SV-22HF (S/T) SV-24F (A/T)	—
Electrical (Autolite Sales No.)						
Point Set	DP-3	DP-12	DP-12	DP-12	DP-12	DP-12
Condenser	DC-6	DC-13	DC-13	DC-13	DC-13	DC-13
Cap	DH-4	DH-6	DH-6	DH-6	DH-6	DH-6
Rotor	DR-87	DR-5	DR-5	DR-5	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-5	EV-8	EV-8	EV-8	EV-2	EV-2
Filters (Autolite Sales No.)						
Oil	FL-1	FL-1	FL-1	FL-1	FL-1	FL-1
Air	FA-51	FA-50	FA-50	FA-50	FA-41	FA-41
Fuel	FG-14	FG-14	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3). (S/T) Synchronmesh Transmission (A/T) Automatic Transmission

### SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
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.

# 1968 MERCURY MODELS AND SPECIFICATIONS



## MODELS

- MONTEREY
- BROUGHAM
- COLONY PARK
- MONTCLAIR
- MARQUIS
- PARK LANE
- COMMUTER

## IDENTIFICATION

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

The official Vehicle Identification Number for title and registration purposes is stamped on a metal tab located on the right side of the vehicle between the instrument panel pad and windshield.

## 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—In Glove Box
- HOOD LATCH—Top, Left Center of Grille
- To Open: Pull Lever Out, Raise Hood

## GENERAL DIMENSIONS

Wheelbase	
All Models except Station Wagon	123.0"
Station Wagon	119.0"
Tread	
Front	62.0"
Rear	62.0"
Over-all Length	
All Models except Station Wagon	220.1"
Station Wagon	213.5"
Over-all Width	77.9"
Over-all Height	
Hardtops	55.1"
Sedans	56.1"
Convertibles	55.2"
Station Wagons	56.7"

## 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)	
With Air Conditioning	22.5 qts.
Without Air Conditioning	20.5 qts.
Engine Crankcase (Includes 1 qt. for filter)	5 qts.
Transmission	
3-Speed Manual	3.5 pts.
Select-Shift Merc-O-Matic	26.0 pts.
Rear Axle	5 pts.

## LIGHTS (12 VOLTS)

Lamp Description	Candle Power or Wattage	Lamp Number
<b>Standard Equipment</b>		
Headlights		
Hi-Lo Beam	37.5 & 50 Watts	4002
Hi-Beam	37.5 Watts	4001
Front Parking & Turn Signal	4-32 c.p.	1157NA

Rear Stop and Turn Signal	4-32 c.p.	1157
Front Side Marker	4 c.p.	97NA
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.	90
Courtesy (Instrument Panel)	6 c.p.	631
Auto. Trans. Quadrant	2 c.p.	158
Cornering Lamp	50 c.p.	1195
Console	3 c.p.	1816
<b>Instrument Panel</b>		
All (Unless otherwise shown)	2 c.p.	194
Glove Compartment	3 c.p.	1895
Speed Control Actuator	1 c.p.	161
Heater Control	3 c.p.	1816
<b>Accessory Equipment</b>		
Fog Lamps (Amber)	35 Watts	4415-A
Fog Lamp Switch	1 c.p.	161
Map	6 c.p.	631
Tachometer	2 c.p.	1895
Warning Indicator Panel	2 c.p.	1895
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	3 c.p.	1816
NA—Natural Amber		
A—Amber Bulb		

## CIRCUIT PROTECTION

Circuit	Location	Rating Amperes	Type Fuse or C.B.*
Headlights	Integral with Light Switch	18	C.B.
Lights for Rear Tail & Stop, Front Parking, Ignition Switch, License Plate, Front Side Marker and Horns	Integral with Light Switch	15	C.B.
Windshield Wipers	Integral with Wiper Switch	6	C.B.
Convertible Top	In Wiring Near Starter Relay	14	Gage Wire Fuse Safety Link
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.
Heater Blower, Visual Safety Check Panel Lights (Low Fuel, Seat Belt, Parking Brake & Door Ajar), Power Antenna, Spotlight & Defogger	Fuse Panel	20	SFE
Radio, Power Window Lockout, Back-up & Turn Signal Lights	Fuse Panel	14	SFE
Instrument Cluster Lights, Clock Light, Ash Tray, Auto. Trans. Quadrant, Radio Light and Heater Control Lights	Fuse Panel	5	AGA
Dome, Courtesy, Cargo, Glove Compartment, Clock, Map & Luggage Compartment	Fuse Panel	9	SFE
Emergency Flasher and Cigar Lighter	Fuse Panel	20	SFE
Speed Control	Cartridge in Feed Wire	5	AGA
Spotlight	Cartridge in Feed Wire	7.5	SFE
Automatic Headlight Dimmer	Cartridge in Feed Wire	4	AGA
Motors: Windshield Wiper, Convertible Top, Power Seats, Power Windows	Integral with Motor		C.B.

\*C.B. Circuit Breaker





# 1968 MERCURY MODELS AND SPECIFICATIONS

## TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard—2-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
All Models except Parklane 4-Door Hardtop, Convertibles with A/C, and Station Wagons	8.15 x 15	26	26	Sedans, Hardtops & Convertibles—1100	Driver + 5 Pass. + 200 lbs. of Luggage
Parklane 4-Door Hardtop & Convertibles with A/C	8.45 x 15	26	26		
Station Wagon	8.45 x 15	24	32	1200	3-Seats: Driver + 7 Pass. or Driver + 5 Pass. + 300 lbs. Luggage 2-Seats: Driver + 5 Pass. + 300 lbs. Lugg.
Optional Tires 4-Ply, 8-Ply Rating Radial Ply (Type A)	8.45 x 15 205R 15 215R 15	26 26 26	26 26 26		

For special operating conditions: See Tire Specification Notes, Page 10.

## ENGINES

	390 CID V-8 2V	390 CID V-8 2V	390 CID V-8 4V	428 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.	390 Cu. In.	428 Cu. In.
Bore and Stroke (Inches)	4.05 x 3.78	4.05 x 3.78	4.05 x 3.78	4.13 x 3.98
Compression Ratio	9.5:1	10.5:1	10.5:1	10.5:1
Brake Horsepower @ Specified rpm	265 @ 4400	280 @ 4400	315 @ 4600	340 @ 4600
Maximum Torque (lb. ft.) @ Specified rpm	390 @ 2600	403 @ 2600	427 @ 2800	462 @ 2800
Idle rpm (Adjust with lights on) (1)				
Manual Transmission				
Thermactor	625	—	625	—
Automatic Transmission				
Thermactor	—	—	—	—
IMCO	550	550	550	550
Valve Lifters	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Fuel	Regular	Regular	Premium	Premium
Carburetor	Auto. Choke 2V	Auto. Choke 2V	Auto. Choke 4V	Auto. Choke 4V
(Autolite Sales No.)	CA-554 (S/T) CA-555 (A/T) BF-32	CA-554 (S/T) CA-555 (A/T) BF-32	CA-547 (S/T) CA-548 (A/T) BF-32	CA-547 (S/T) CA-549 (A/T) BF-32
Spark Plugs (Autolite Sales No.)	0.032" - 0.036"	0.032" - 0.036"	0.032" - 0.036"	0.032" - 0.036"
Spark Plug Gap	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
Firing Order	0.021" (Therm.)	0.021" (IMCO)	0.021" (Therm.)	0.021" (Therm.)
Distributor Point Gap	0.017" (IMCO)	—	0.017" (IMCO)	0.017" (IMCO)
Ignition Timing (BTDC) (2)(3)				
Manual Transmission				
Thermactor	6°	—	6°	—
Automatic Transmission				
Thermactor	—	—	—	—
IMCO	6°	6°	6°	6°
Battery (Autolite Sales No.)				
Group	22HF (S/T) 24F (A/T)	22HF (S/T) 24F (A/T)	22HF (S/T) 24F (A/T)	27HF
Amp Size	45 (S/T) 55 (A/T)	45 (S/T) 55 (A/T)	45 (S/T) 55 (A/T)	80
Type—Standard	AL-22HF (S/T) AL-24F (A/T)	AL-22HF (S/T) AL-24F (A/T)	AL-22HF (S/T) AL-24F (A/T)	SV-27HF80
—Optional	SV-22HF (S/T) SV-22F (A/T)	SV-22HF (S/T) SV-22F (A/T)	SV-22HF (S/T) SV-24F (A/T)	—
Electrical (Autolite Sales No.)				
Point Set	DP-12	DP-12	DP-12	DP-12
Condenser	DC-13	DC-13	DC-13	DC-13
Cap	DH-6	DH-6	DH-6	DH-6
Rotor	DR-5	DR-5	DR-5	DR-5
Regulator	GR-341	GR-341	GR-341	GR-341
Ignition Coil	DG-5	DG-5	DG-5	DG-5
PCV Valve (Autolite Sales No.)	EV-8	EV-8	EV-8	EV-8
Filters (Autolite Sales No.)				
Oil	FL-1	FL-1	FL-1	FL-1
Air	FA-50	FA-50	FA-50	FA-50
Fuel	FG-14	FG-14	FG-14	FG-14

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchronesh Transmission

(A/T) Automatic Transmission

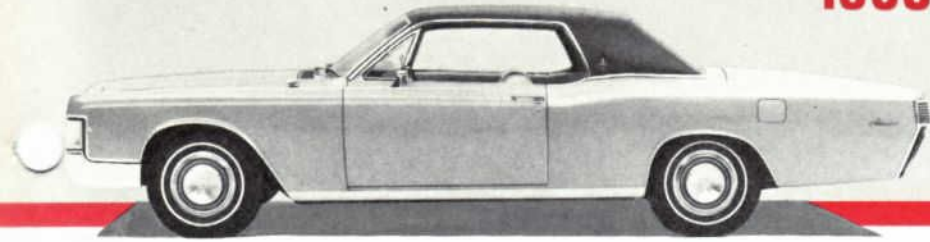
## SHOCK ABSORBERS (Autolite Sales No.)

	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-105	AX-110	—
Rear	AB-104	AX-108	AA-134



# 1968 LINCOLN CONTINENTAL

## MODELS AND SPECIFICATIONS



### TIRE INFLATION AND LOAD RECOMMENDATIONS

Models	Tire Usage Standard—4-Ply 4-Ply Rating	Recommended Tire Pressure (Cold) (Up to Full Rated Load)		Full Rated (Max.) Load (lbs.)	Passenger & Luggage Equivalent to Full Rated (Max.) Load
		Front	Rear		
Sedan & Coupe	9.15 x 15	24	24	1100	Driver + 5 Pass. + 200 lbs. Luggage

For special operating conditions: See Tire Specification Notes, Page 10.

### ENGINES

Type	462 CID V-8 4V
Displacement	8-Cyl. 90° V OHV
Bore and Stroke (Inches)	462 Cu. In.
Compression Ratio	4.38 x 3.83
Brake Horsepower @ Specified rpm	10.25:1
Maximum Torque (lb. ft.) @ Specified rpm	340 @ 4600
Idle rpm (Adjust with lights on) (1)	485 @ 2800
Manual Transmission	—
Thermactor	—
Automatic Transmission	—
Thermactor	—
IMCO	550
Valve Lifters	Hydraulic
Fuel	Premium
Carburetor	Auto. Choke 4V
(Autolite Sales No.)	CA-578 with A/C
Spark Plugs (Autolite Sales No.)	CA-579 w.o. A/C
Spark Plug Gap	BTF-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"
Manual Transmission	—
Thermactor	—
Automatic Transmission	—
Thermactor	—
IMCO	10°
Battery (Autolite Sales No.)	—
Group	29HR
Amp Size	85
Type—Standard	SV-29HR
—Optional	—
Electrical (Autolite Sales No.)	—
Point Set	DP-12
Condenser	DC-13
Cap	DH-6
Rotor	DR-5
Regulator	GR-341
Ignition Coil	DG-5
PCV Valve (Autolite Sales No.)	EV-1
Filters (Autolite Sales No.)	—
Oil	FL-1
Air	FA-4
Fuel	FG-4

See engine specification notes, Page 8 for explanation of Notes (1), (2) & (3).

(S/T) Synchromesh Transmission

(A/T) Automatic Transmission

### SHOCK ABSORBERS (Autolite Sales No.)

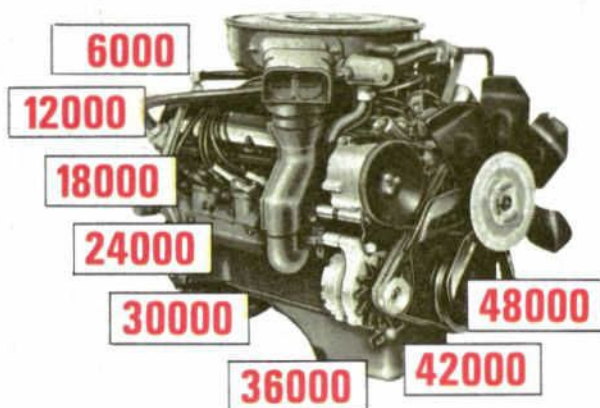
	Auto-Flex	Auto-Flex XD	Super-Flex
Front	AB-70	AX-58	—
Rear	AB-90	AX-77	AA-132

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**TO MAINTAIN PEAK PERFORMANCE...**

**AND PROTECT  
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Ford Motor Company takes great pride in the tradition of quality products and superior values that the Ford name represents on the cars and trucks we build. Ford pioneered the concept of twice-yearly maintenance . . . 1968 continues the recommended 6000-Mile or 6-Month oil and filter change periods . . . with minimum maintenance operations at these intervals.

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**FOR THE FULL STORY ON FORD MOTOR COMPANY NEW CAR WARRANTY  
REQUIREMENTS AND THE TYPE AND QUALITY OF OILS, LUBES, FILTERS  
AND OTHER PARTS YOU SHOULD RECOMMEND AND USE, SEE PAGES  
2 THROUGH 7 INCLUSIVE.**

