

1968



thunderbird

OWNER'S
MANUAL

Getting Acquainted With Your New Car

About Warranty Protection

The first retail purchaser of this 1968 model Ford vehicle receives a comprehensive and far reaching Ford Motor Company warranty which protects him in normal use of the vehicle in the U.S.A., Canada or Puerto Rico against repair costs due to defects in material or workmanship, for 5 years or 50,000 miles (whichever comes first), in major power train, steering, suspension and wheel components for which repairs are most costly. He is similarly protected, for 24 months or 24,000 miles (whichever comes first) on all other parts (except tires).

If the vehicle has been properly maintained and not misused, and the odometer shows true mileage, the *second* retail purchaser may apply to a Ford or Ford of Canada dealer for transfer of the remaining portion of the 5 year-50,000 mile warranty. A transfer fee (not to exceed \$25) will be charged and the second retail purchaser will pay the first \$25 of warranty work per repair visit.

For full details and conditions of these warranties and performance of them by Ford or Ford of Canada dealers, refer to "Your Warranty Facts Booklet" which was supplied with this manual.

These warranties are made possible by the great advances in design and manufacturing techniques that have been made in the past few years. These advances have also made it possible to reduce routine maintenance requirements to a level where, for most owners, they can be handled by twice-a-year visits to your dealer's service shop.

There are some points about maintenance and its relationship to warranty that you should understand:

1. **Certain maintenance operations MUST BE performed at regular intervals to keep the power train, steering, suspension and wheel warranties in effect.** These operations are listed on page 46. You must have a Ford Motor Company authorized dealer certify at least once each 12 months that you provided him evidence that these operations have been performed. You will be charged a fee (not to exceed \$2) for this certification.
2. **The costs of performing any of the "Scheduled Warranty Services" and of the "Scheduled Air**

Pollution Control Services" and "Scheduled Performance Services" listed on page 47 are NOT covered by the warranty. You will be charged for having this work done.

We know you will find that regular maintenance, backed up by this warranty, will contribute to your peace of mind throughout the many miles of enjoyable driving that this vehicle is capable of giving you.

The First Few Miles

Your new Ford vehicle will not require an extensive 'break-in,' although as a matter of prudence, most owners avoid extended high speed operation for the first 1000 miles. Constant speed operation should also be avoided, as parts tend to better adjust themselves to other parts if various speeds are used during the first 1000 miles.

You should also avoid overspeeding the engine in the lower gear ratios.

These few simple suggestions are designed to help you secure the long life capabilities already built into your vehicle.

Answers to commonly asked questions

1. A break-in oil is not used. The oil in the engine crankcase is the same specified type as you will use in regular changes. Change the oil and replace the filter at the regular time or mileage interval given on Page 46. Use of anti-friction compounds for break-in is *not* recommended.

2. No special after-delivery inspection is required before the regular 6 month-6000 mile maintenance described on Page 46.

3. Maintenance recommendations begin on Page 45. Lubricant specifications are given on Page 43. Motor oil recommendations and specifications are listed on Page 34.

4. The "Extended Lube" feature built into your new Thunderbird eliminates the necessity of lubricating the front suspension ball joints or steering linkage for the first 3 years or until you have driven 36,000 miles whichever comes first.

Air pollution controls and you

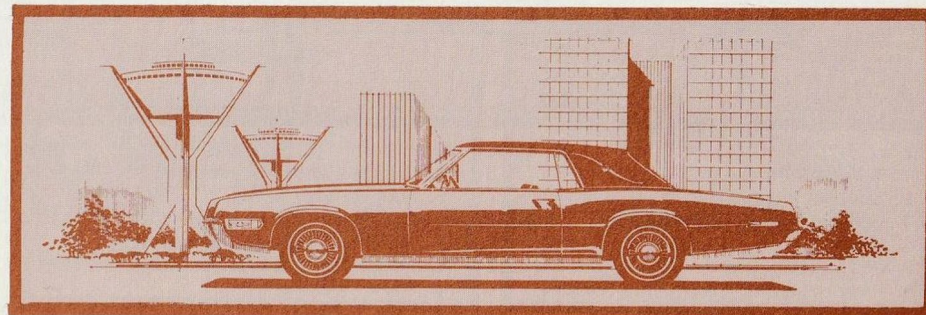
Under Federal law, all 1968 vehicles are equipped with air pollution control systems. These systems are capable of controlling within legal limits the amount of unburned petroleum prod-

ucts exhausted into the atmosphere by the engine

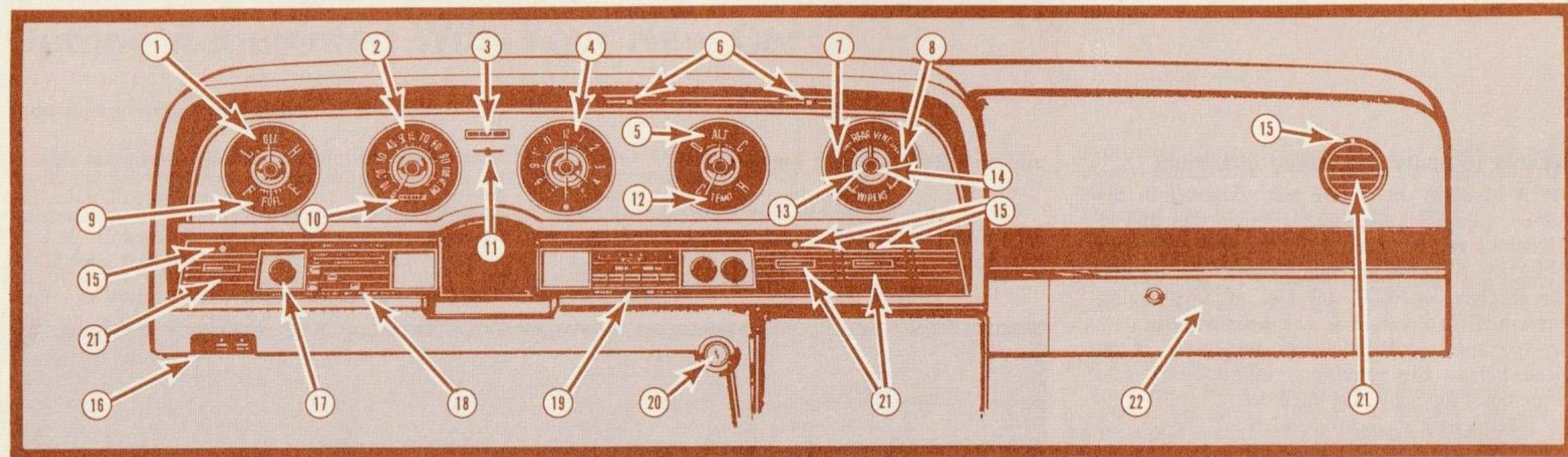
IF

YOU have maintenance performed regularly as specified on Page 47.

YOU FOLLOW recommendations on Page 34 regarding use of the right oils and filters.



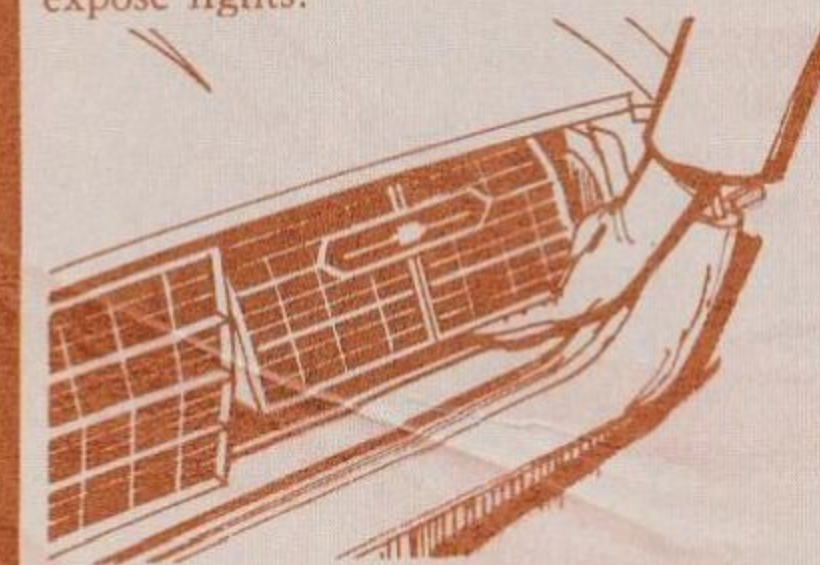
Instrument Panel and Controls



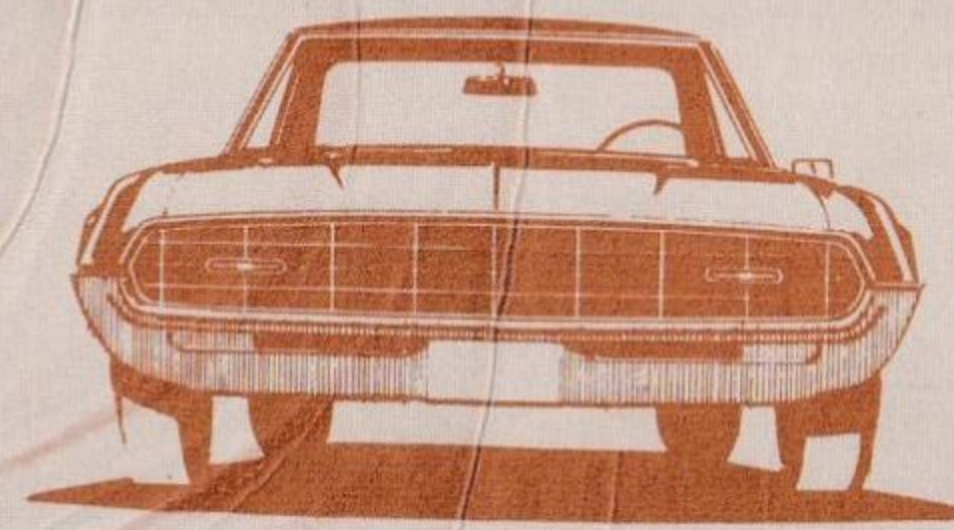
Item	Page	Item	Page	Item	Page
1. Oil Pressure Gauge	6	8. Dual Brake Warning Light	12	15. Register Shut-Off Controls	18
2. Speedometer	7	9. Fuel Gauge	6	16. Left and Right Cowl Vent Controls	18
3. Left and Right Turn Indicator	9	10. Odometer	7	17. Lights Switch	6
4. Clock	7	11. Hi Beam Indicator	6	18. Heater or Air Conditioning Controls	15-17
5. Alternator Indicator	7	12. Temperature Gauge	7	19. Radio	20-21
6. Power Antenna/Map Lamp Switches	24	13. Wiper/Washer Control	7	20. Ignition Switch	26
7. Seat Belt Reminder Light	12	14. Rear Vent Control	7-19	21. Registers	18
				22. Glove Box	—

Headlamp Doors

With engine running, these doors will open automatically when lights switch is pulled out—normally doors will also open once with engine not running. If the doors do not open automatically due to a system malfunction, they can be manually lifted to the "open" position. Grasp door at bottom and swing upward to expose lights.

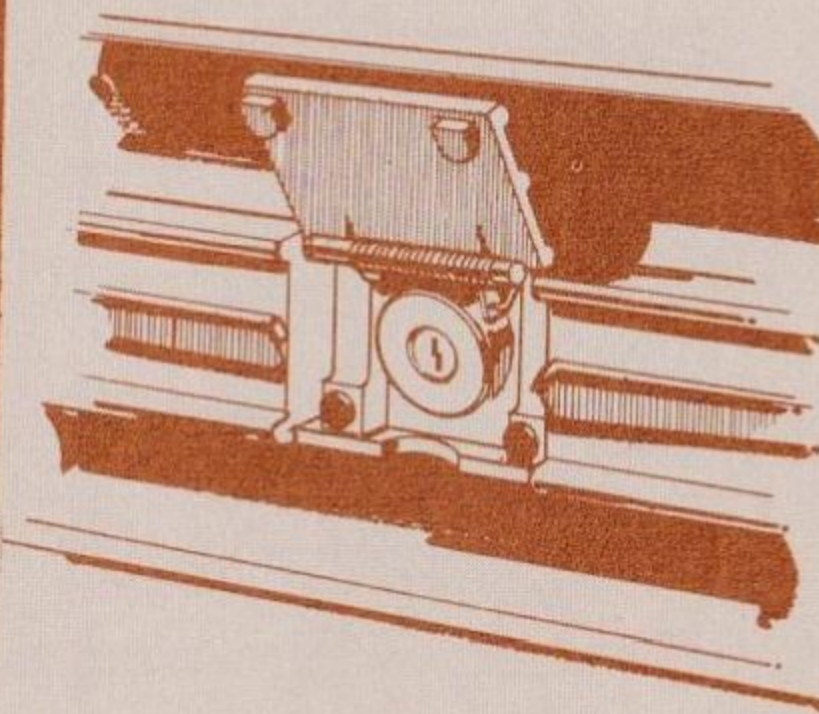


It is suggested that headlamp doors be raised when washing car to insure clean headlights for safer night-time driving.

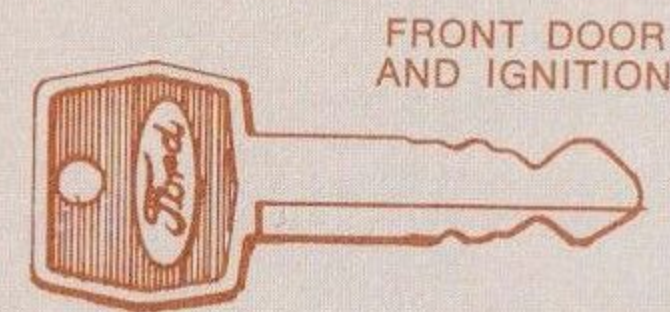


Deck Lid Lock

USE ROUND-HEADED KEY



Keys



FRONT DOOR
AND IGNITION



LUGGAGE AND
GLOVE COMPARTMENT

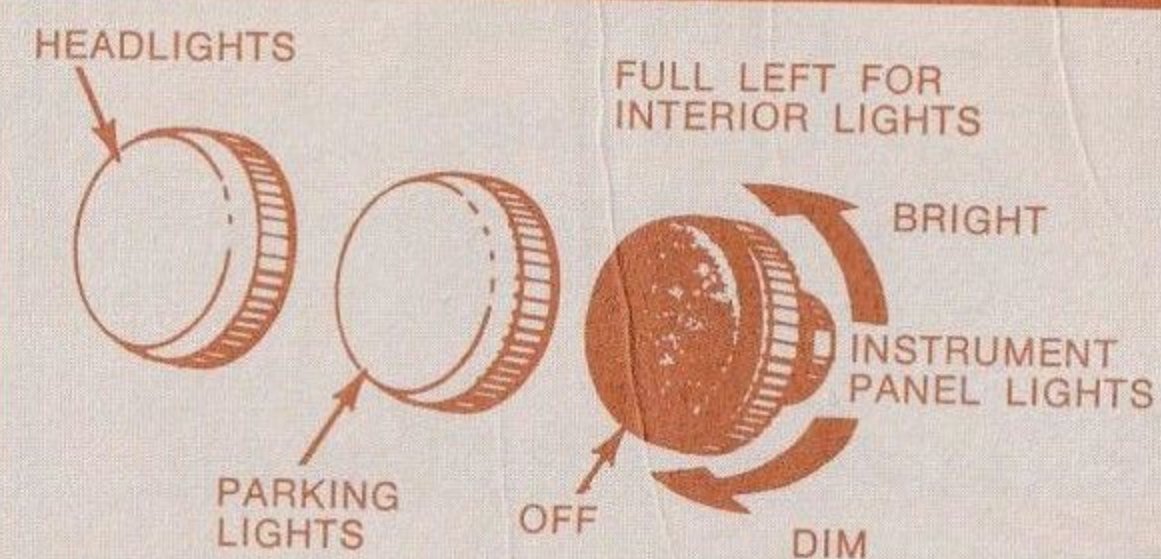


REVERSIBLE FEATURE:
EITHER SIDE UP

RECORD THESE KEY
NUMBERS. THEY
ENABLE YOUR
DEALER OR A LOCK-
SMITH TO REPLACE
LOST KEYS

COMBAT CAR THEFT Always remove
ignition keys and lock all doors when
leaving car unattended.

Lights Switch

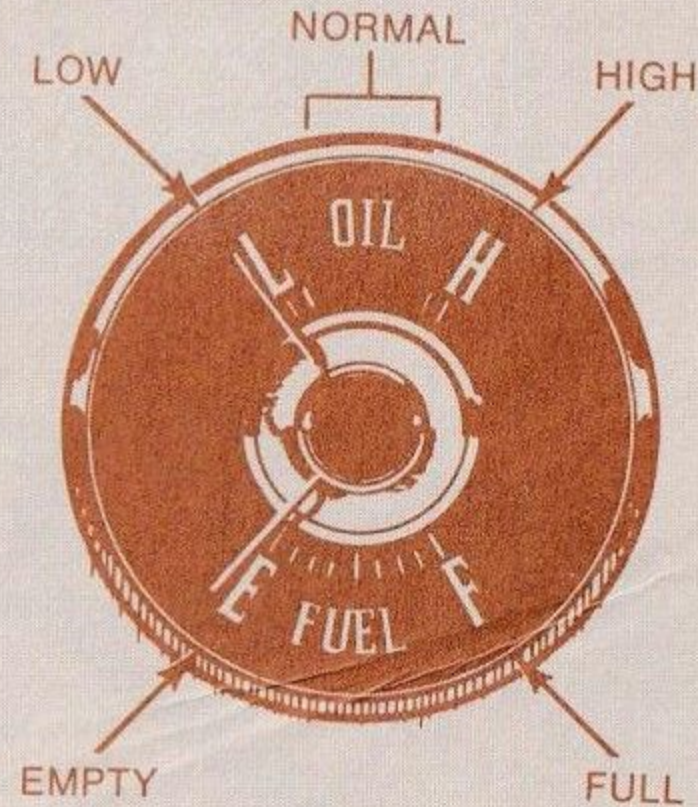


When headlights are on,
press beam selector with
left foot to change from
Lo to Hi or Hi to Lo. Hi
beam indicator light loca-
ted in the instrument panel
between the speedometer
and clock comes on with
Hi beams.



OIL PRESSURE

If pointer stays at "L", stop en-
gine. Check oil level—do not drive
with these conditions.

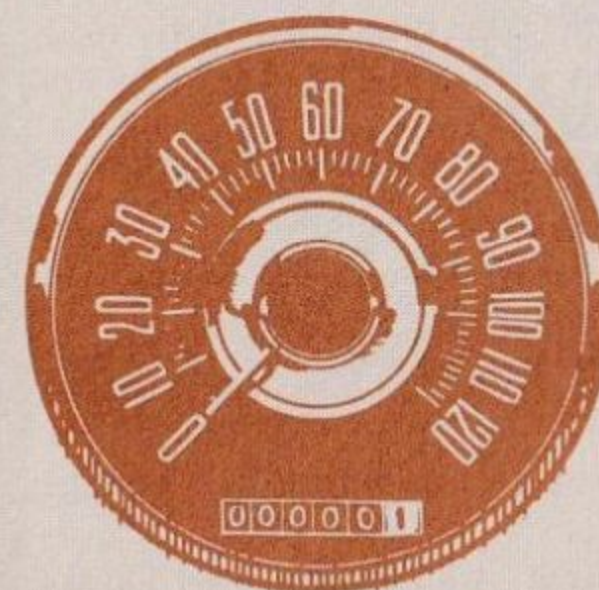


Key must be turned to "ON"
or "ACC" position before fuel
gauge operates.

FUEL INDICATOR

SPEEDOMETER

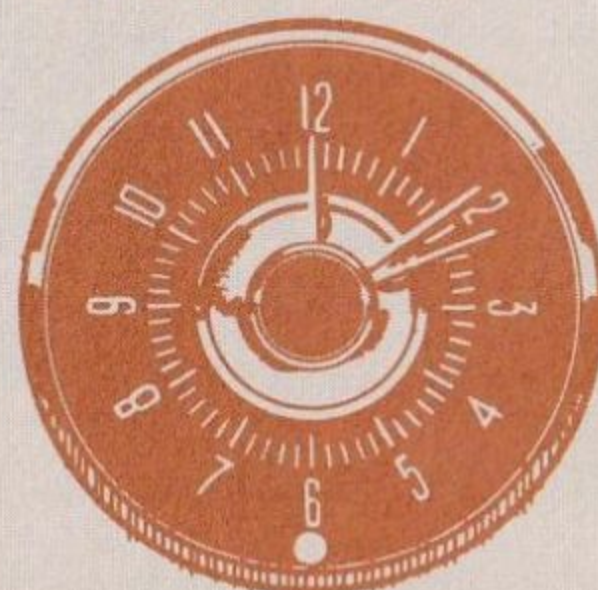
Registers speed of car



Registers miles of travel
ODOMETER

CLOCK

TO SET CLOCK—Pull knob out
ALL THE WAY and turn right to
advance hands—left to retard hands.
It is important to turn knob in the
correct direction because clock time-
keeping is adjusted automatically
whenever hands are reset.

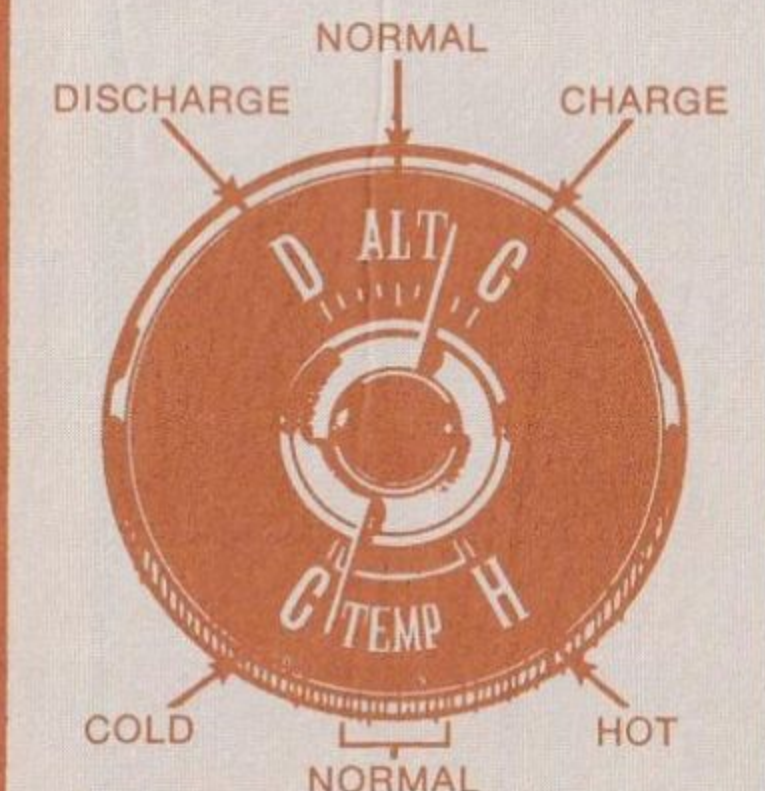


Several settings may be needed
to obtain completely accurate time-
keeping. For best results, reset clock
only once a day.

CLOCK

ALTERNATOR INDICATOR

If pointer consistently stays on
"D" side of center, or on "C" side
of center, have charging system
checked.



If pointer stays at "H" position—
1. Stop car immediately.
2. Allow engine to cool.
3. Check coolant level.

TEMPERATURE INDICATOR

REAR VENT CONTROL

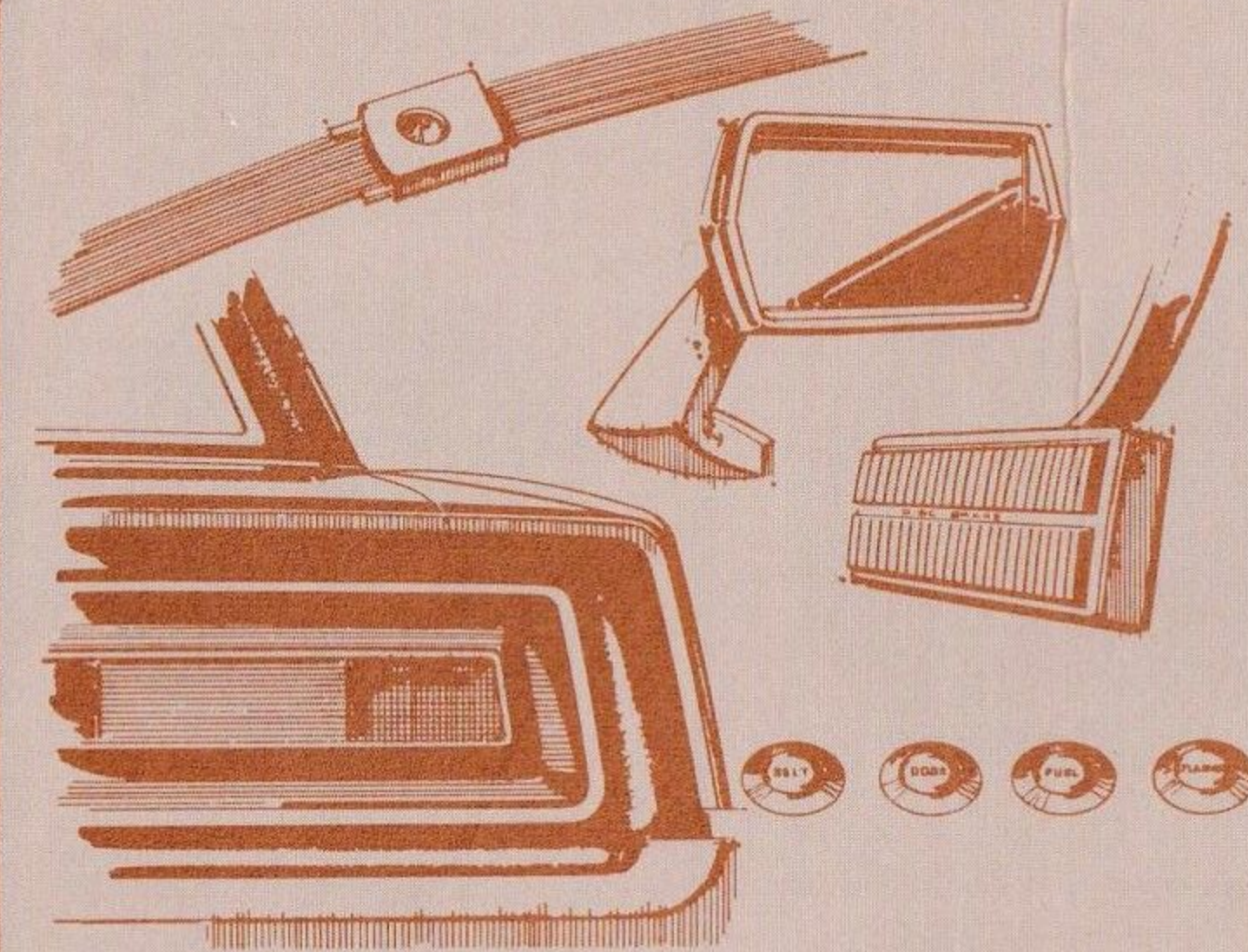
Manually position pointer to
open or close vent.



Turn outer knob to control wiper
speed—push for washer.

WIPER/WASHER CONTROL

Ford's Lifeguard Design Safety Features



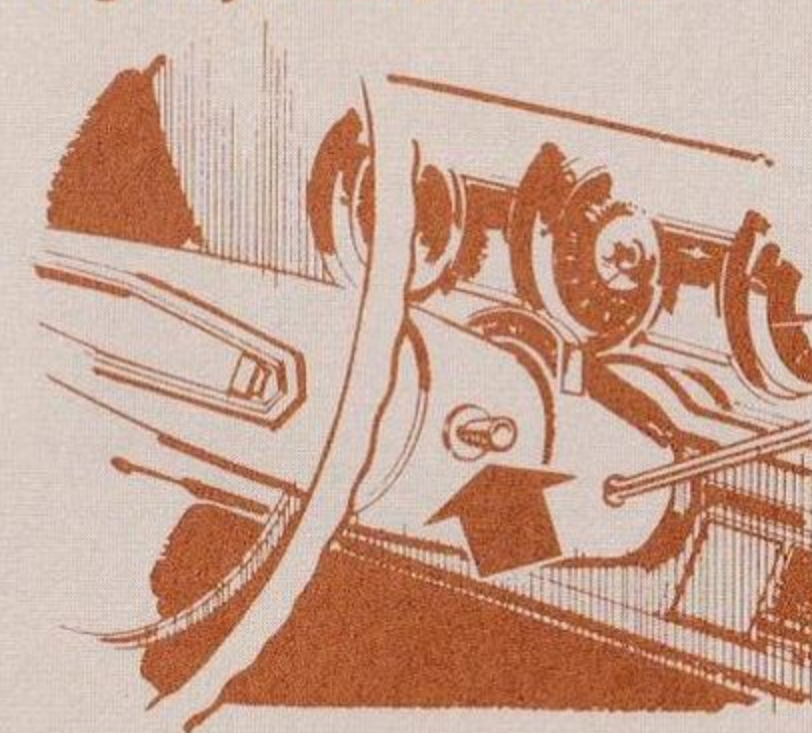
The following pages describe the operation of some of the many safety features which have been added for 1968. Learning to use them properly takes only a few moments—and may save you a lifetime.

There are also many safety improvements this year which are "built in" to your new Thunderbird—they won't be visible nor do they need operating instructions. For instance, your Thunderbird is equipped with an energy absorbing steering column and wheel as well as an energy absorbing instrument panel. Another important addition this year (standard, too) are smog control systems which are an integral part of all engines and are designed to combat dangerous fumes from burned fuel.

Don't forget, though, that the most important safety factor in auto transportation today is you, the driver. Keep these points in mind:

- Be sure all occupants buckle their safety belts before you drive off.
- Make SURE all doors are LOCKED before you drive off.
- Set your parking brake EVERY TIME you leave the car. Put transmission in "PARK."
- Use BOTH rear-view mirrors and your turn signal before you change lanes.
- Keep tires inflated to recommended pressures and replace tires before they are worn completely smooth.
- In the event your car is disabled or you have stopped for an emergency on the highway, use your emergency flasher.
- DRIVE DEFENSIVELY—The driver of that other car CAN make a mistake.

Emergency Flasher Switch



Pushing this switch in will cause all directional signals to flash continuously. Will operate safely with ignition key removed, for two hours (battery fully charged and in good condition) without discharging battery excessively.

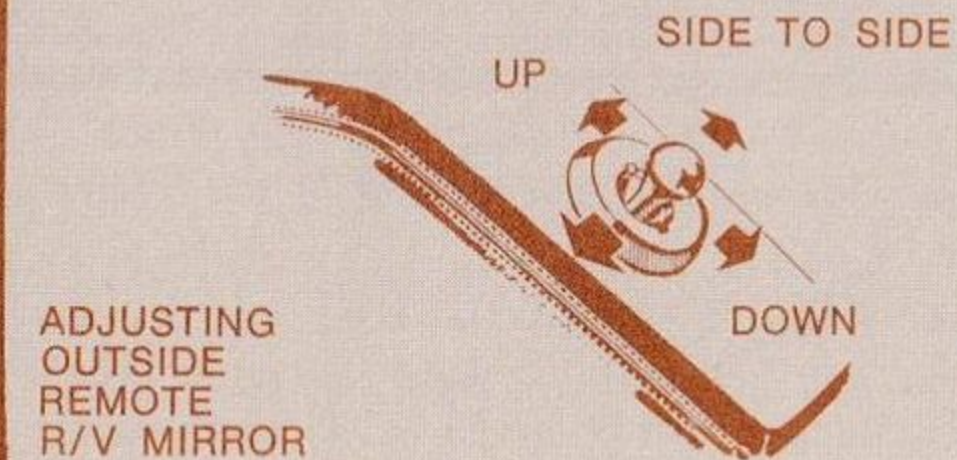
It is important to push switch all the way in or pull all the way out for proper operation.

Seat Back Latch



PRESS LEVER REARWARD TO RELEASE SEAT BACK.

Outside Rear View Mirror



ADJUSTING
OUTSIDE
REMOTE
R/V MIRROR

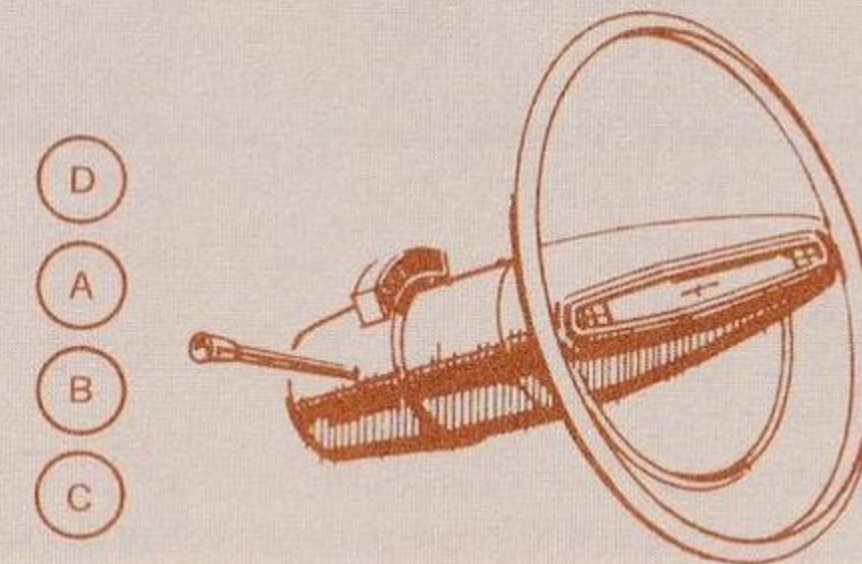
Turn Signal

For Lane Change:

Move turn signal lever to first stop A for right lane turn or B for left lane turn. Hold lever in position until lane maneuver is accomplished. Lever will return to off position automatically.

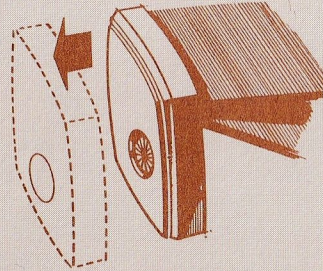
For Normal Full Turns:

Move lever into positions C or D (left or right). Lever will remain in position without manual effort until turn is completed. Lever will then cancel turn signals automatically.

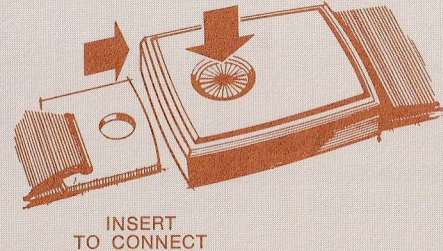


Seat Belts

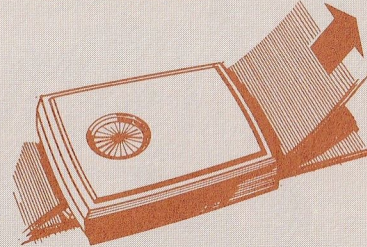
PULL TO LENGTHEN WITH BUCKLE
IN VERTICAL POSITION



PUSH DOWN
TO RELEASE



PULL TO SHORTEN WITH
BELT CONNECTED



FOR GREATER SAFETY AND COMFORT:

- Be sure the belt is snugly fitted and not twisted.
- Only one person should be strapped in each seat belt.

CAUTION: Do not clean with carbon tetrachloride, naphtha, etc. Also bleaching or redyeing the webbing is not recommended because of pos-

sible loss of webbing strength. To clean webbing, wash with any commercial soap or mild detergent.

SEAT BELT WARNING LIGHT

The seat belt warning light will glow when the ignition switch is turned on. The light is located either on the optional convenience group or on the instrument panel in the right hand pod.

Refer to Page 12 for Warning Light operation.

SEAT BELT RETRACTORS

Always pull the belt completely out of the retractor before adjusting and fastening the other half of the belt unit. Tug firmly at the belt to be sure that no slack is left in the retractor. A definite stop will be felt when the belt is completely extended.

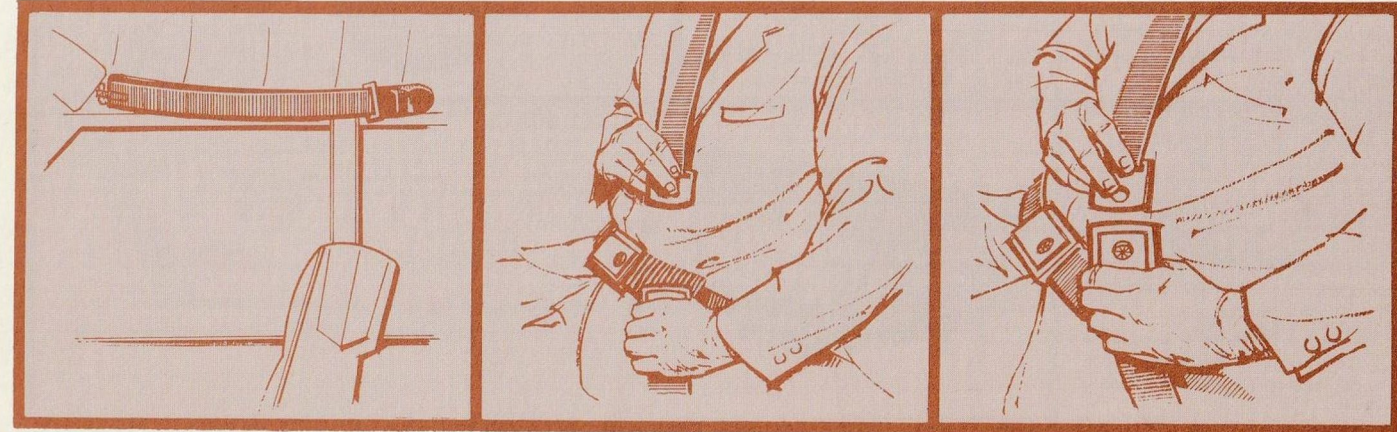
Shoulder Harness

When shoulder harness is not in use, belt should be looped and folded as shown. Hook belt over retainer on roof line.

Fasten lap belt first. Adjust so that belt is snug (Page 10). Unfasten shoulder harness from stor-

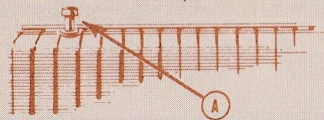
age area on roof line and position across body from shoulder to hip (left to right for driver or left side passenger, right to left for right side passenger).

Harness should not be tight across body. Leave enough slack to permit leaning forward to a fully erect position. Buckle harness in same manner as regular seat belt.

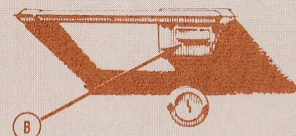


CAUTION: Shoulder harness should never be worn without regular lap seat belt.

Door Locks (Standard)

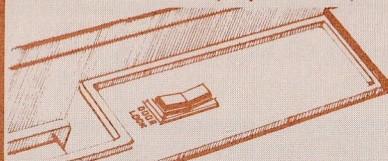


To unlock doors from inside, the door lock plunger A must be pulled up

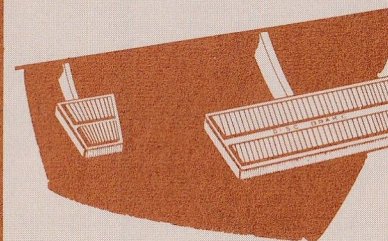


To lock doors from outside push plunger A down and hold push button B in while closing door

Door Locks (Optional)



Vacuum door lock switch will appear on left front arm rest



Safety Warnings

Seat belt warning light goes out automatically after a few seconds



Dual Brake Warning Light Glows When Brakes Are Applied If Either Half Of Dual Brake System Fails. Proceed At *Reduced Speed* To Nearest Service Station For *Immediate Repairs*. Light Should Glow With Ignition Switch at Start and With Foot Brake Off.

PARKING BRAKE

Depress and hold Service Brake pedal while applying Parking Brake—releases when engine is started and transmission is shifted out of Park or Neutral.

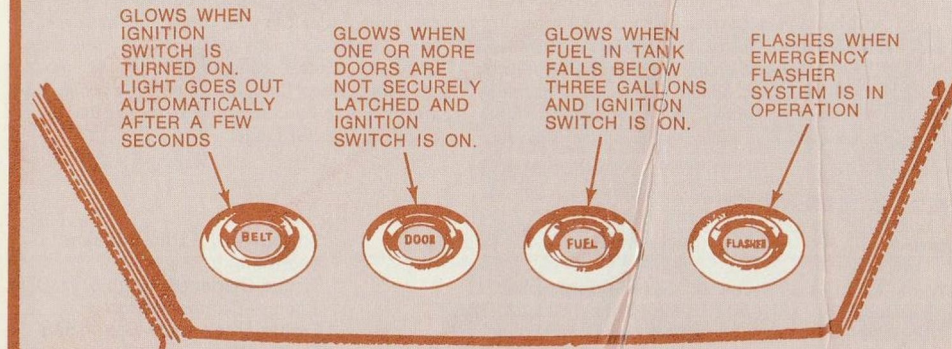
SERVICE BRAKES

Adjust automatically when applied while backing up and making a firm stop.

CAUTION: Riding the service brake pedal can result in abnormally high brake temperatures, excessive lining wear and possible damage to the brakes.

NOTE: A manual, parking brake release is located under the dash on the left hand side. Pull up and rearward to operate.

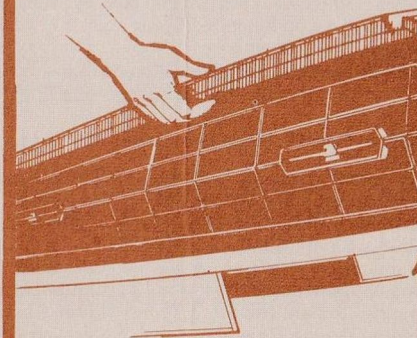
Convenience Group (Optional—includes vacuum door locks)



On vehicles without the Convenience Group, operation of the emergency flasher activates turn indicator lights on the instrument panel.

Opening the Hood

PULL OUT RELEASE LEVER AND RAISE HOOD



Comfort and Convenience Features

THE REAL VALUE OF OPTIONAL EQUIPMENT

The 1968 Thunderbird offers a wider selection of comfort and convenience equipment than ever before. The investment you made in the factory-installed options—air conditioning, AM/FM Stereo radio, AM Stereosonic tape system, or whatever—has customized your car to your personal requirements.

Your wise choice of the options will pay dividends for the many thousands of comfortable

miles you will drive the car. These items will also pay off when trade-in time comes, because your car will be more attractive to its second buyer.

The following pages (15 through 24) show how to operate and control the Ford MagicAire heater and defroster, SelectAire air conditioning, the ventilation systems, radios and stereo tape player as well as other standard and optional features.

If you find that you overlooked some detail of optional equipment when you ordered your new car, your dealer can add almost anything you desire. He stocks many comfort and convenience items to further enhance the joy of modern motoring. Keep your new Ford-built car all Ford with genuine Ford accessories—they're made right to fit right to last longer.

YOUR FORD DEALER CAN INSTALL THESE ACCESSORIES

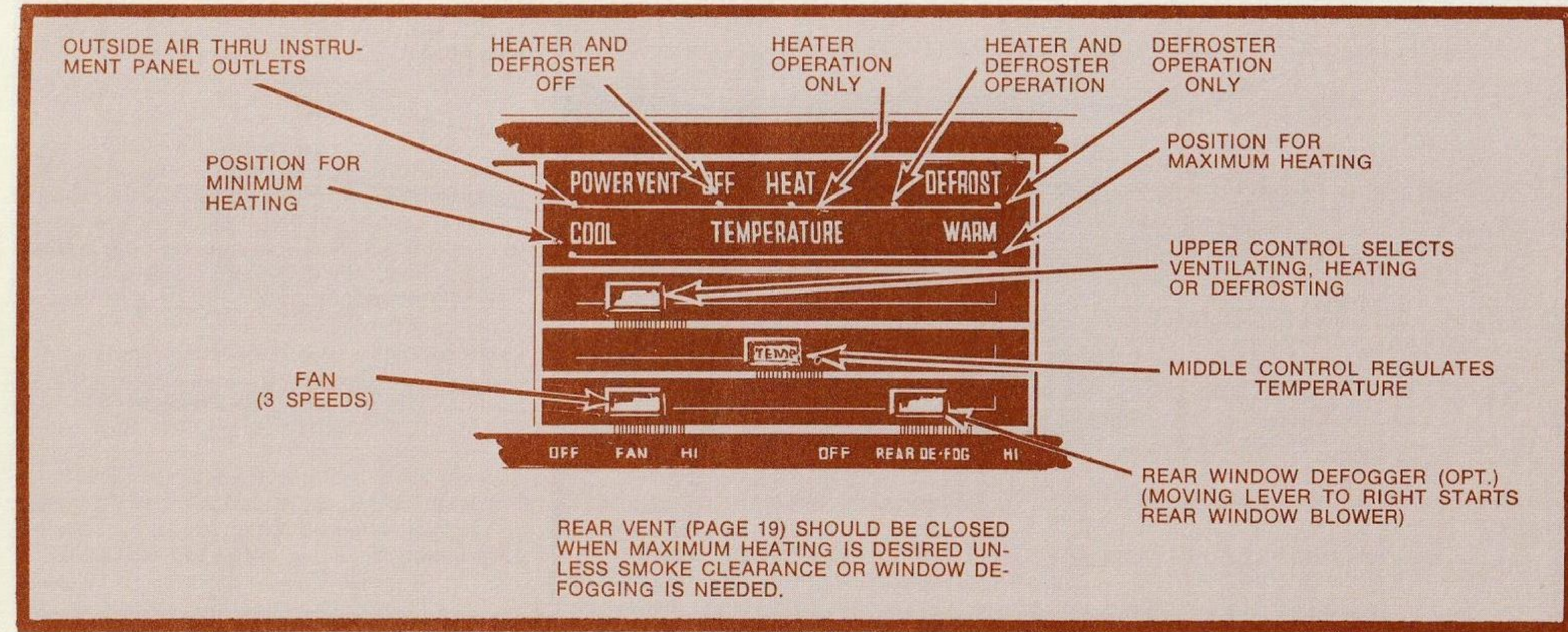
Air Horns
Automatic Load Leveling
Car/Home TV
Child's Safety Seat
Compass
Door Edge Guards
Engine Coolant Heater
Engine Gauge Cluster
Fire Extinguisher

Fuel Filler Door Edge Guard
Headrests
Highway Safety Kit
License Plate Frames & Plaque
Lifeguard Jr. Door Locks
Lights-On Warning Buzzer
Litter Basket
Locking Gas Cap
Manual Air Lifts

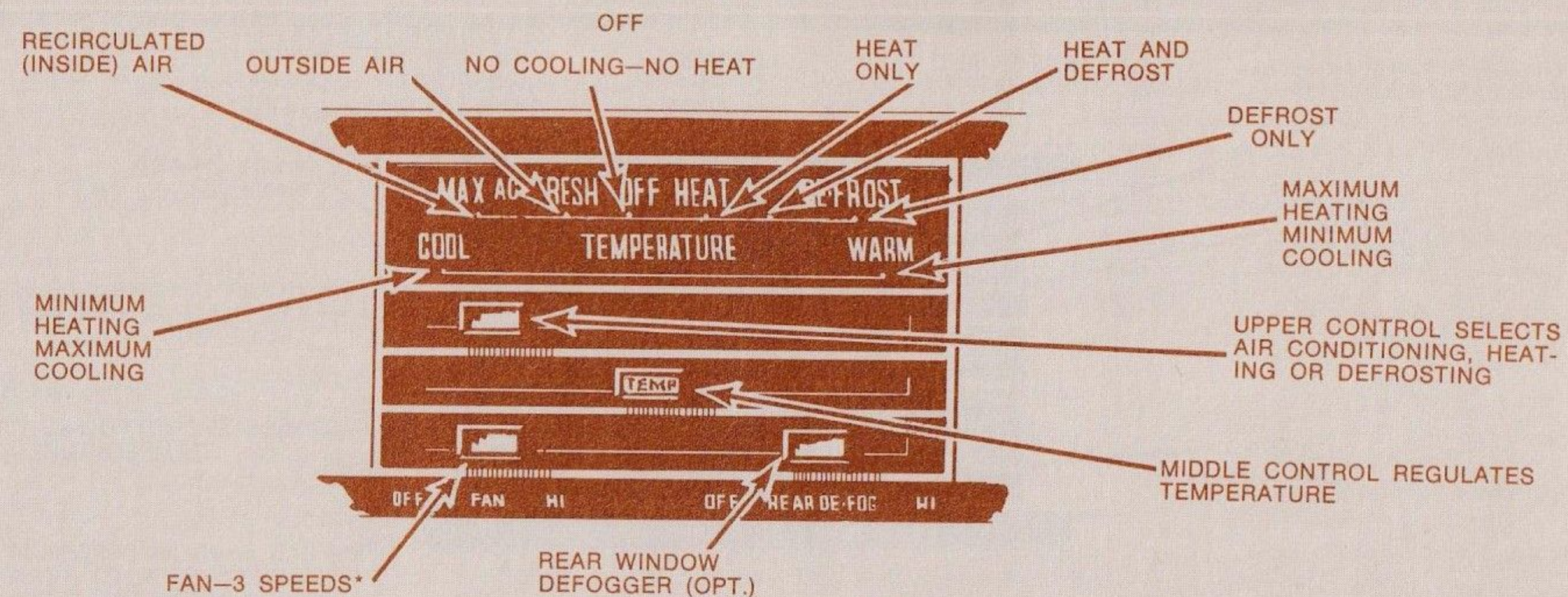
Manual Right Hand Matching Mirror
Matched Luggage
Rear Radio Speaker
Road Lamps
Seat Belt Retractors—Rear Seat
Ski/Luggage Rack
Snow Grips
Spotlight
Stereo Tape Cartridge Holder

Studiosonic Radio Speaker
Tachometer
Tissue Dispenser—Full & Jr. Size
Trailer—Camper Mirror
Trailer Hitch—Non-Equalizing
Trailer Wiring
Two-Way Citizens Band Radio
Vacuum Cleaner
Vinyl or Rubber Floor Mats
Wheel Covers

MagicAire Heater and Defroster



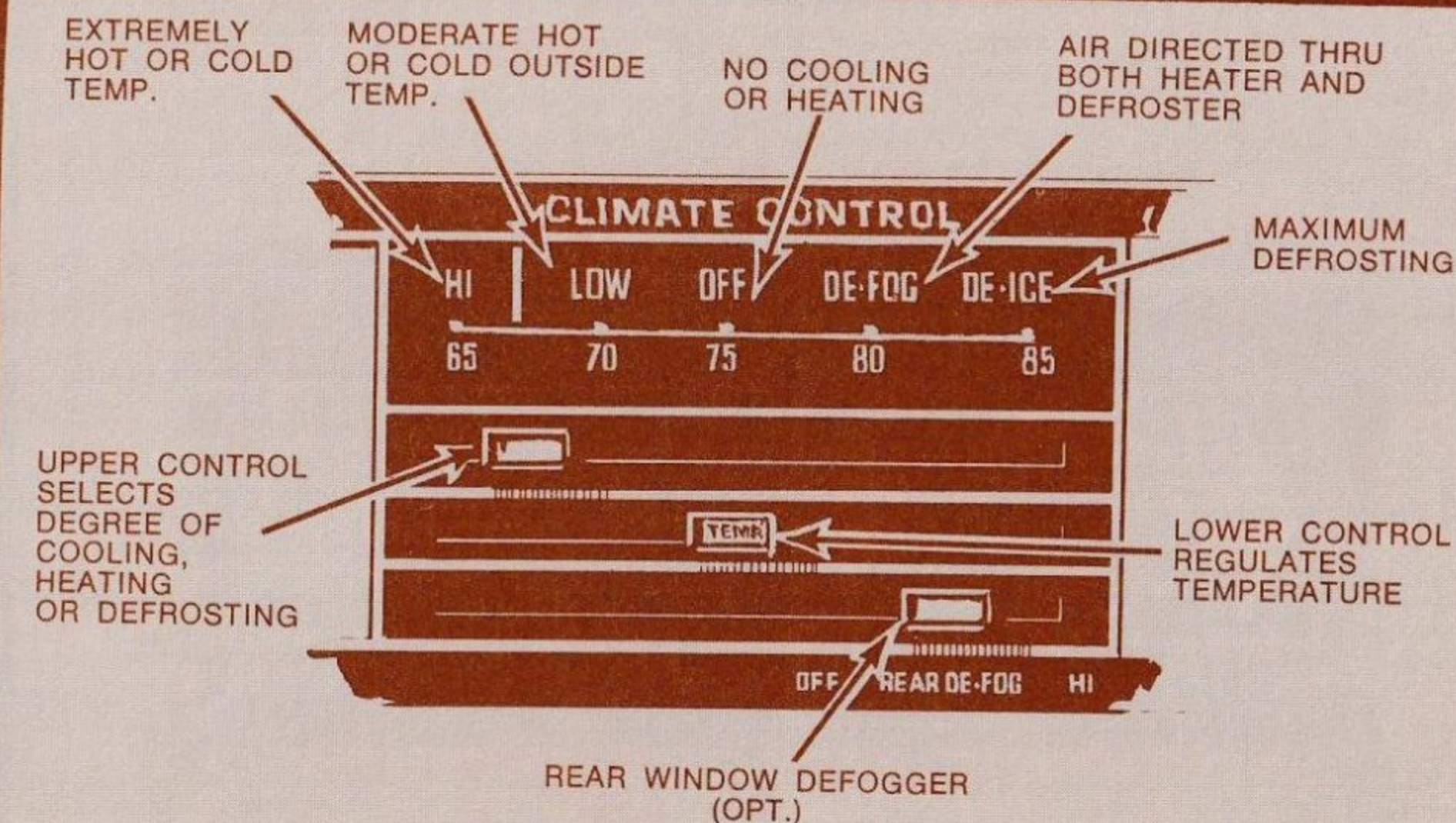
SelectAire Air Conditioner (Optional)



*FAN MUST BE IN "ON" POSITION FOR AIR CONDITIONING OPERATION

Rear vent (Page 19) should be closed when maximum cooling is desired unless smoke clearance or window defogging is needed.

SelectAire Air Conditioner With Automatic Climate Control (Optional)



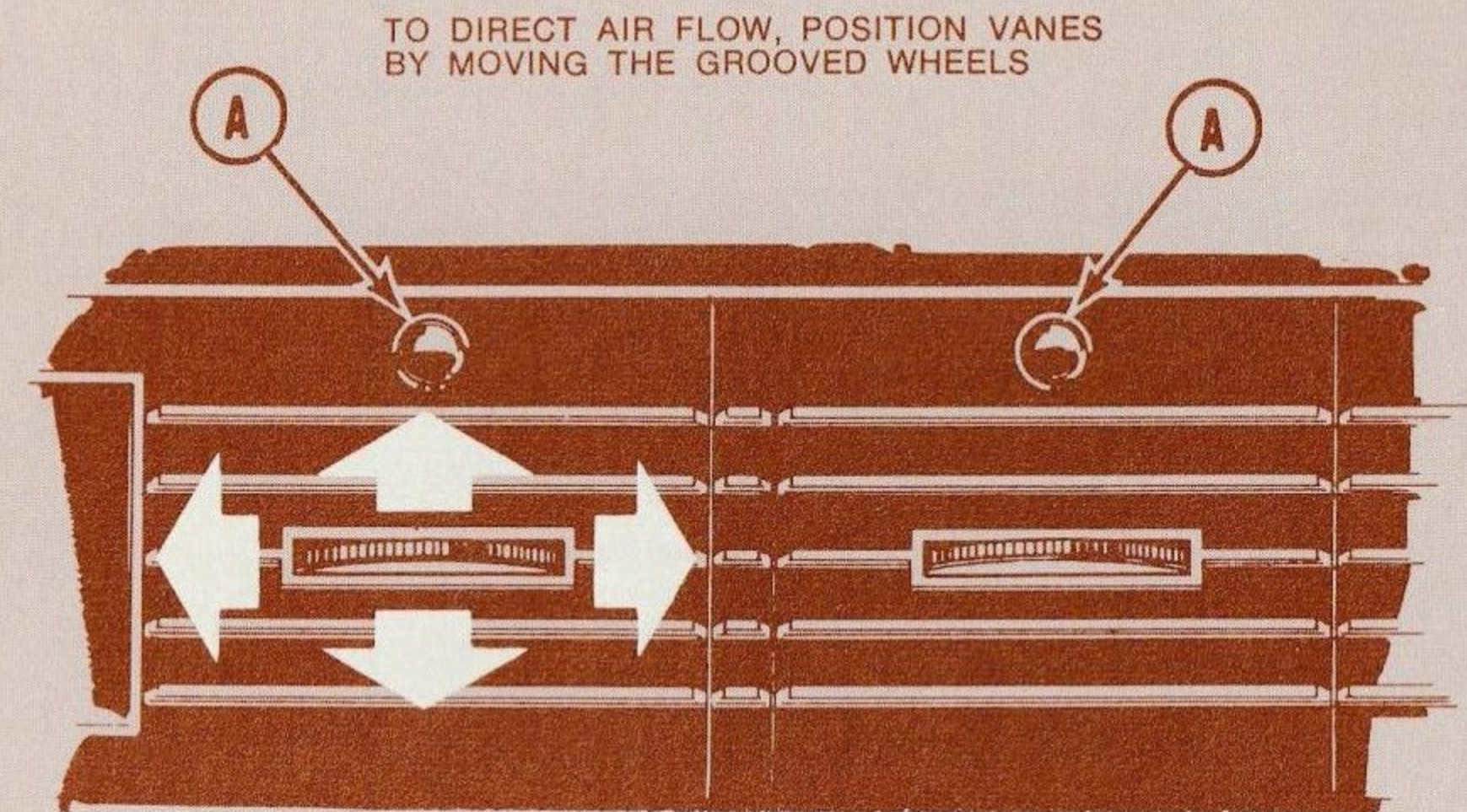
Rear vent (Page 19) should be closed when maximum cooling or heating is desired unless smoke clearance or window defogging is needed.

Your Automatic Climate Control has integrated heating and air conditioning systems which produce automatically the exact air temperature that has been selected.

Move the lower control to the desired temperature and the upper lever to either LOW or HI to place the system in automatic operation. A recommended start-up setting is 75°. Remember that in winter the system will not operate until the engine temperature reaches normal (takes about 4 minutes at 32°F).

CAUTION: Part of the mechanism of the Automatic Climate Control is a sensor located behind the instrument panel on the passenger side just above and to the left of the glove box. Under no circumstances, should objects be thrust into this opening or the opening covered.

SelectAir Air Conditioner Outlets (Optional)

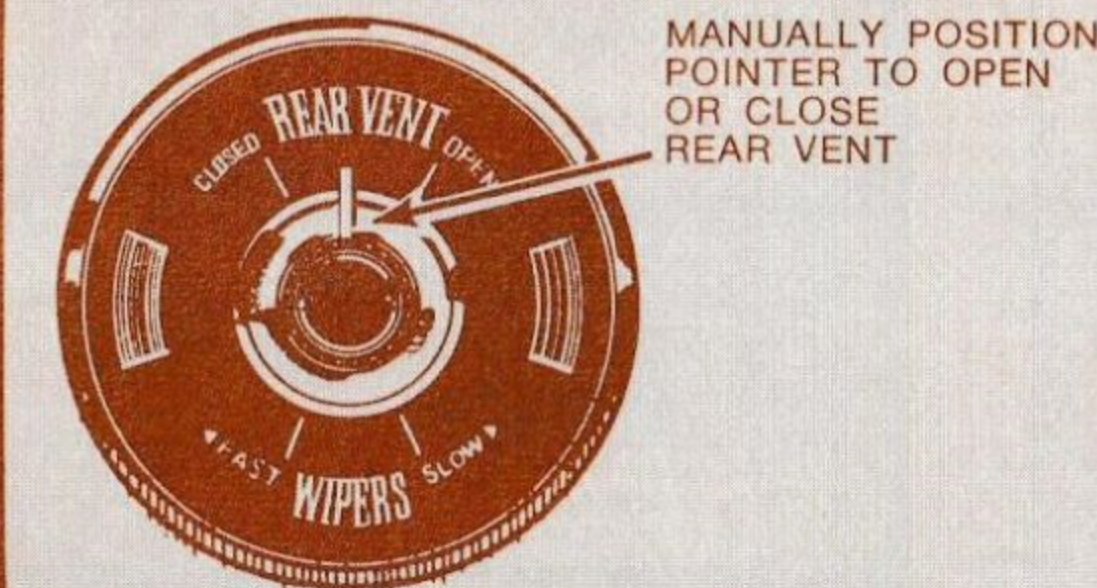


A PULL OUT KNOBS TO SHUT OFF AIR FLOW FROM ANY OF FOUR INSTRUMENT PANEL REGISTERS

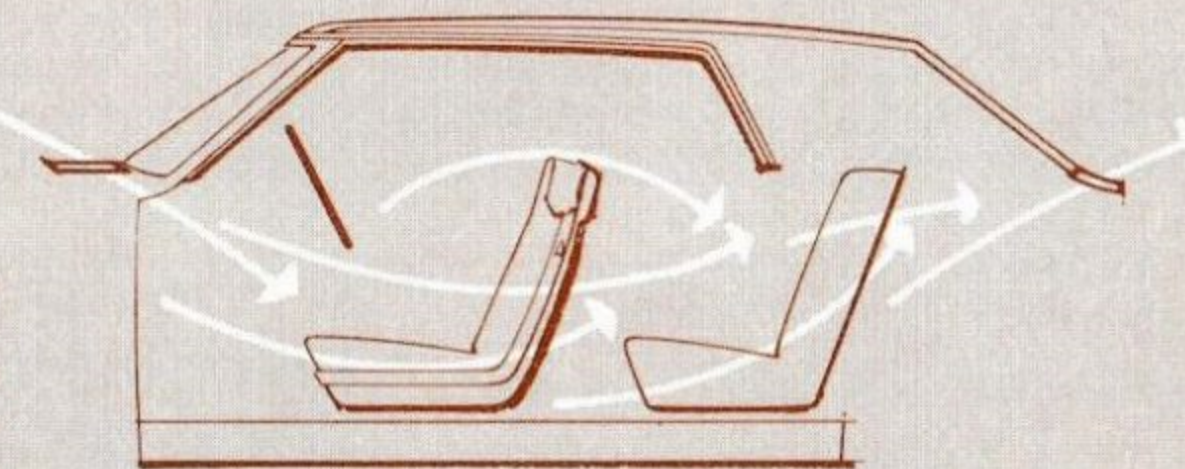
Ventilation



Comfort-Stream Ventilation System



On units without A/C, maximum forced ventilation is attained with upper heater control on "POWER VENT" and blower motor on "HI".



Comfort-Stream Ventilation System:

1. Draws stale air or smoke from the passenger compartment.
2. Reduces fogging of the rear window.
3. Provides improved air circulation throughout the passenger compartment.

CONDITIONS	LEFT AND RIGHT AIR INTAKES	HEATER	DEFROSTER	REAR VENT
NORMAL TEMPERATURES	OPEN	OFF	OFF	OPEN
COLD TEMPERATURES	CLOSED	ON	*	CLOSED
FRIGID TEMPERATURES	CLOSED	ON	*	CLOSED
RAIN	OPEN	OFF	OFF	OPEN
MAXIMUM AIR CONDITIONING	CLOSED	OFF	OFF	CLOSED

*Defroster works with heater.

AM Radio

- A OFF/ON, VOLUME CONTROL
- B TONE CONTROL
- C MANUAL TUNER
- D FRONT TO REAR FADER CONTROL (WITH OPTIONAL REAR SPEAKERS)
- E PUSH BUTTONS—TO SET:
 1. Pull out button
 2. Manually dial station desired
 3. Push in button firmly and release

AM/FM Stereo Radio (optional)

- A OFF/ON, VOLUME CONTROL
- B AM/FM-STEREO FLIP DIAL—SEPARATE DIALS (FM SHOWN) ARE CONTROLLED BY SLIDE BAR E
- C MANUAL TUNING
- D TONE CONTROL
- E AM/FM SLIDE BAR—MOVING BAR TO LEFT FLIPS DIAL TO AM RECEPTION, TO THE RIGHT FOR FM AND FM STEREO STATIONS
- F FRONT TO REAR FADER CONTROL—BALANCES VOLUME OF FRONT AND OPTIONAL REAR SPEAKERS
- G RADIO PUSH BUTTONS—TO SET:
 1. Turn on set and allow approximately 15 min-

- utes to assure a more positive setting.
2. For AM stations, slide bar E to left, pull out a push button, manually tune in a station, push in button firmly and release. Pre-set remaining four buttons in the same manner.
 3. For FM stations, slide bar to right and repeat Step 2.
 4. Switching back and forth between AM and FM will not change the settings.

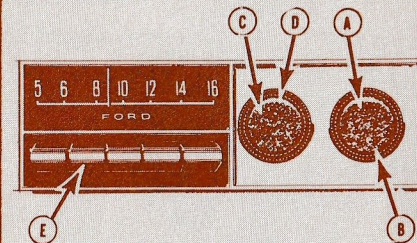
Your AM/FM Stereo Radio can receive AM, FM and FM stereo programs from transmitting sources with no stereo tape cartridge required. The amber jewel light H at the right of the dial will glow when a stereo program is being received.

- I LEFT/RIGHT SPEAKER BALANCE CONTROL—SLIDE LEVER RIGHT OR LEFT TO ADJUST RELATIVE VOLUME OF DOOR-MOUNTED SPEAKERS.

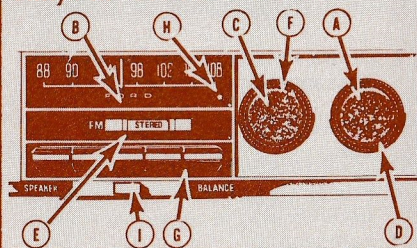
NOTE: FOR BEST FM RECEPTION, ADJUST YOUR ANTENNA TO A HEIGHT OF 30-33 INCHES.

DEPENDING UPON THE POWER OF THE STATION AND EXISTING TERRAIN, FM RECEPTION SHOULD BE POSSIBLE UP TO APPROXIMATELY 25 MILES FROM THE TRANSMITTING SOURCE.

AM RADIO



AM/FM STEREO RADIO



The tape player portion of this unit uses pre-recorded 4-program, 8-track tape cartridges.

Store tapes in a cool, clean, dry place out of direct sunlight and with the tape end of the cartridge upward.

To Play Stereo Tape

1. Turn unit on, then insert tape cartridge in slot with label side up and open end first. Be sure cartridge is firmly seated in slot.
2. Adjust volume, tone, and balance. Selections will automatically play in succession.
3. To manually change selections, push in the on-off volume control, then release.
4. Cartridge will automatically pop outward when ignition is turned "OFF," when a radio push button is actuated or the unit is turned "OFF."

To Play Radio

1. It is not necessary to remove cartridge from slot to play radio.
2. Tune in desired station, then adjust tone, volume and balance.

AM Radio-Stereo Tape System (Optional)

AM RADIO PUSH BUTTONS
(TO SET: PULL OUT BUTTON, DIAL STATION,
PUSH IN BUTTON FIRMLY AND RELEASE)

AM RADIO MANUAL
TUNING

FRONT TO REAR
SPEAKER CONTROL

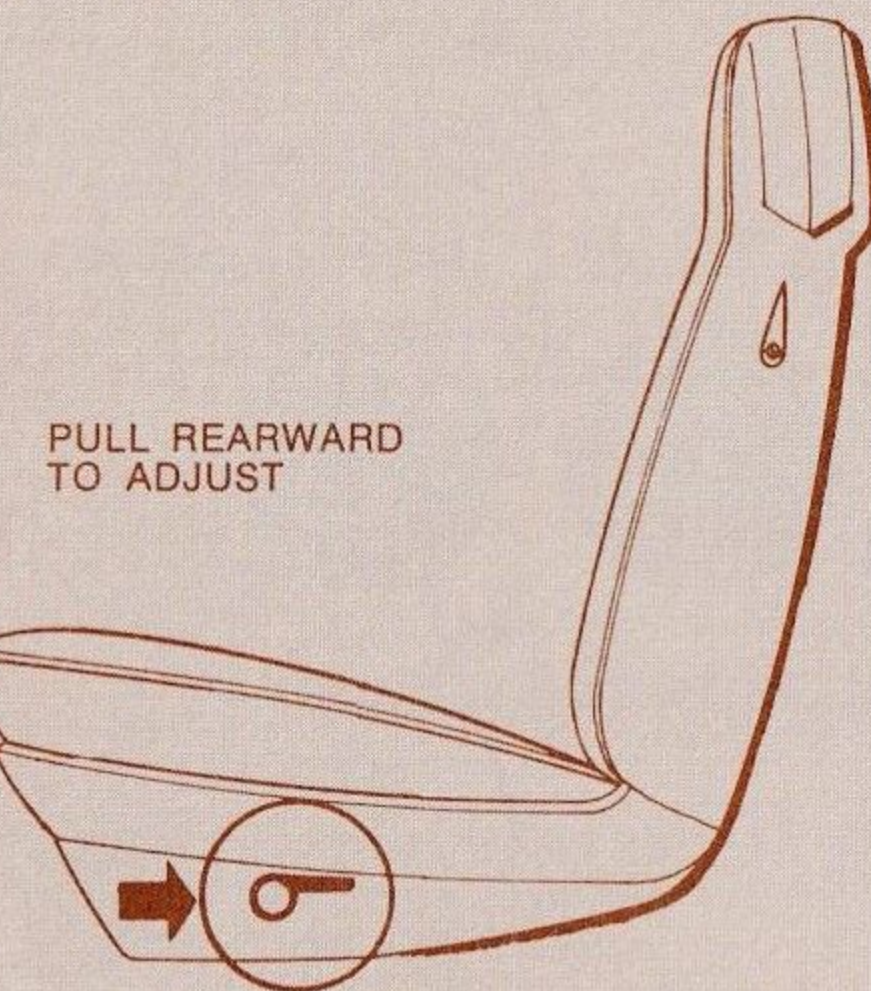
TONE CONTROL

TAPE
CARTRIDGE
DOOR

LEFT TO RIGHT BALANCE CONTROL
(SLIDE LEVER RIGHT OR LEFT TO ADJUST
RELATIVE VOLUME OF DOOR-MOUNTED SPEAKERS)

ON-OFF/VOLUME CONTROL AND
CHANNEL SELECTOR (PUSH IN
MOMENTARILY TO CHANGE
SELECTIONS)

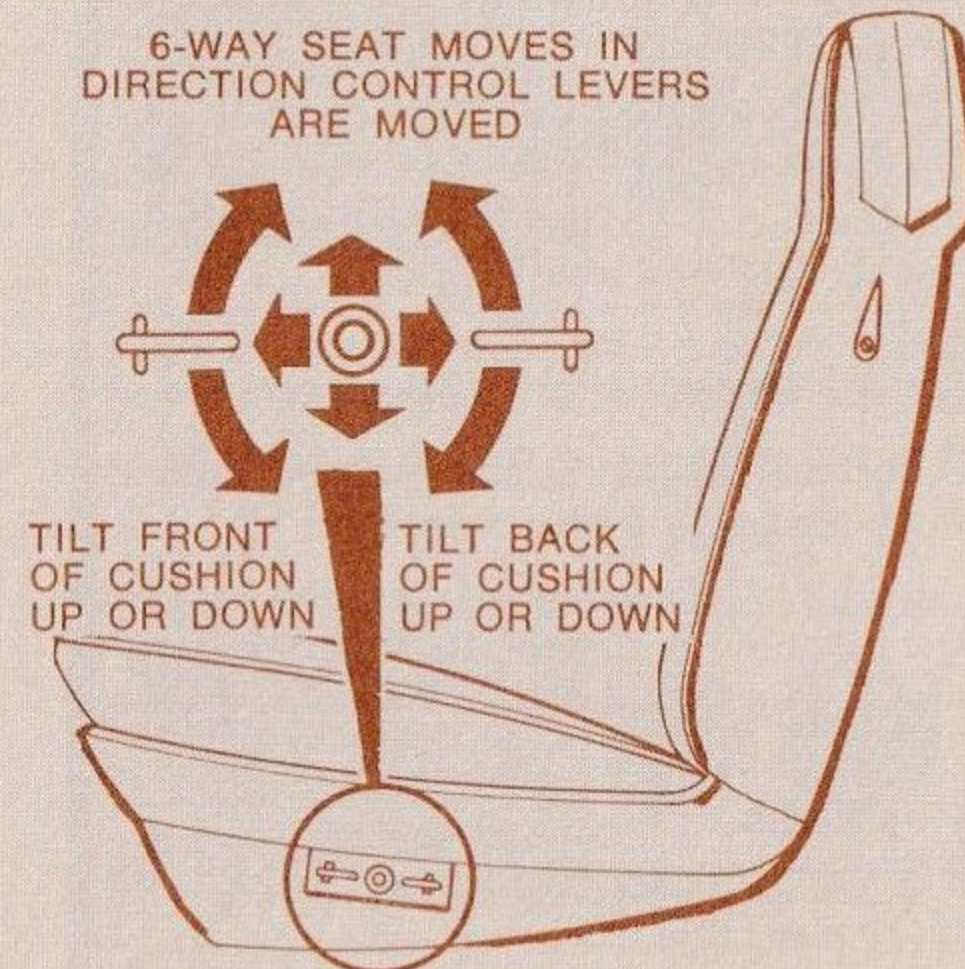
Front Seat Adjustment



Reclining Passenger Seat Adjustment (optional)

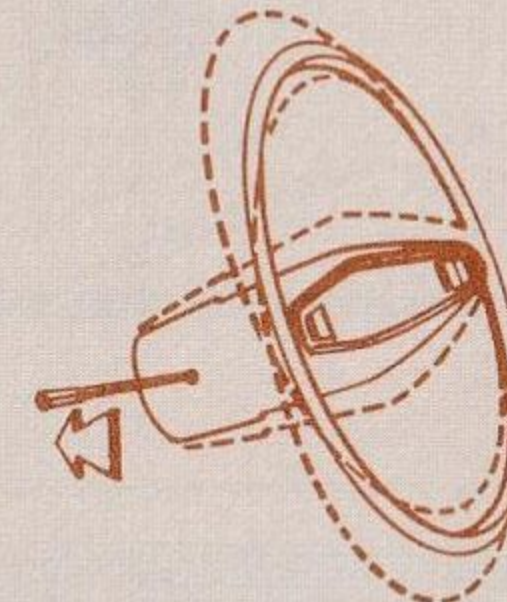


Power Seat Adjustment (Optional)

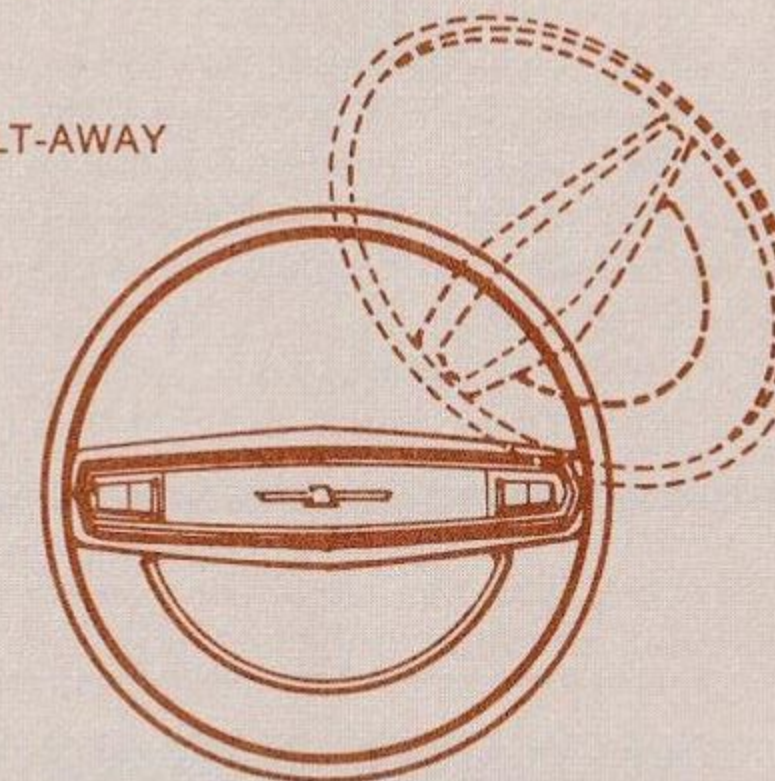


Tilt-Away Steering Wheel (Optional)

MANUAL TILT



TILT-AWAY



Pushing turn signal lever down from wheel releases it for selecting tilt angle. Steering wheel will automatically move up and to the right when driver's door is opened with

transmission selector lever in "P" (park). You cannot shift from park until wheel is pulled down from tilt-away position.

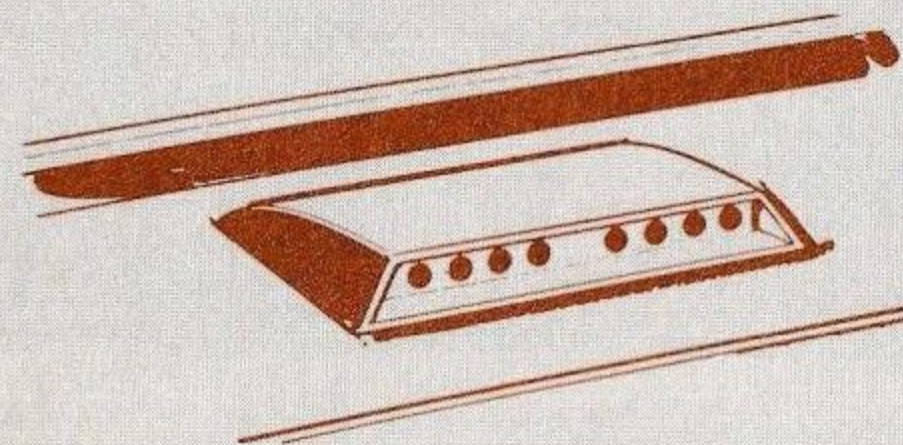
Power Window Controls (Opt.)



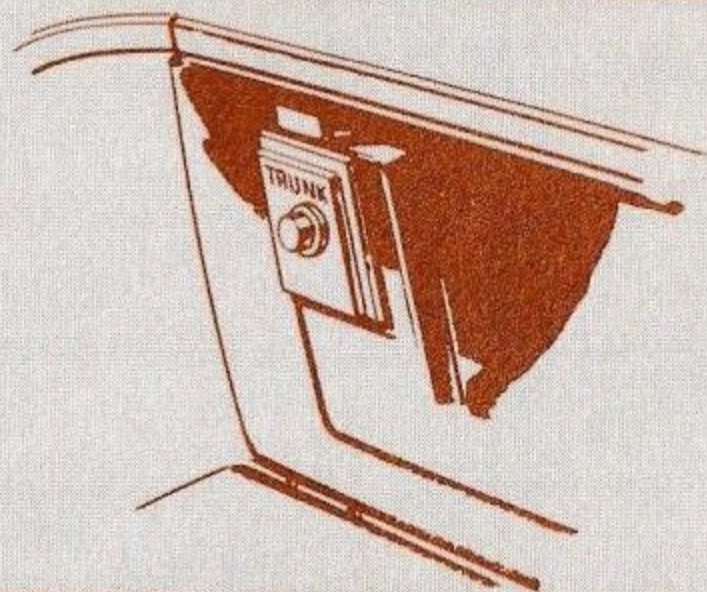
- A** Pressing this side of switch allows operation of all windows from master control with ignition switch in "OFF" position.
- B** Pressing this side allows driver to lockout all door window control switches except driver's.

Rear Lamp Monitor (Opt.) Luggage Compartment Lock Control (Optional)

LIGHTS IN MONITOR GLOW ACCORDING TO REAR LAMP OPERATION. NON-GLOWING MONITOR LIGHT INDICATES TO DRIVER THAT CORRESPONDING REAR LAMP BULB IS INOPERATIVE.



THE DECK LID RELEASE SWITCH IS LOCATED INSIDE OF THE GLOVE COMPARTMENT DOOR. PRESS TO AUTOMATICALLY OPEN THE REAR DECK LID OR LUGGAGE COMPARTMENT WITHOUT KEY.



COURTESY MAP LAMP SWITCH



POWER RADIO ANTENNA SWITCH (Optional)

How To Get The Most Out Of Your Car

The better you understand the operation of your new car, the more satisfaction it will give you. Many of the things we used to have to think about while driving are now controlled automatically but there are still some points where a little care and understanding will yield big dividends in reliability and satisfaction.

Starting, for instance, is just a matter of turning the ignition key AND HOLDING THE ACCELERATOR PEDAL IN THE CORRECT POSITION TO LET THE AUTOMATIC CONTROLS OPERATE. Page 26 gives some advice on this.

The Cruise-O-Matic transmission provides the needed variation in gear ratios to enable you to take advantage of the full power and smoothness of the engine under any conditions in which you may want to drive. At lower car speeds, the lower gears (1st, 2nd) allow the engine to run faster to prevent stalling and provide more power. When driving faster, high gear holds engine speed in the range for best smoothness and economy. Shifting down into lower gears also lets you use the engine as a brake when descending

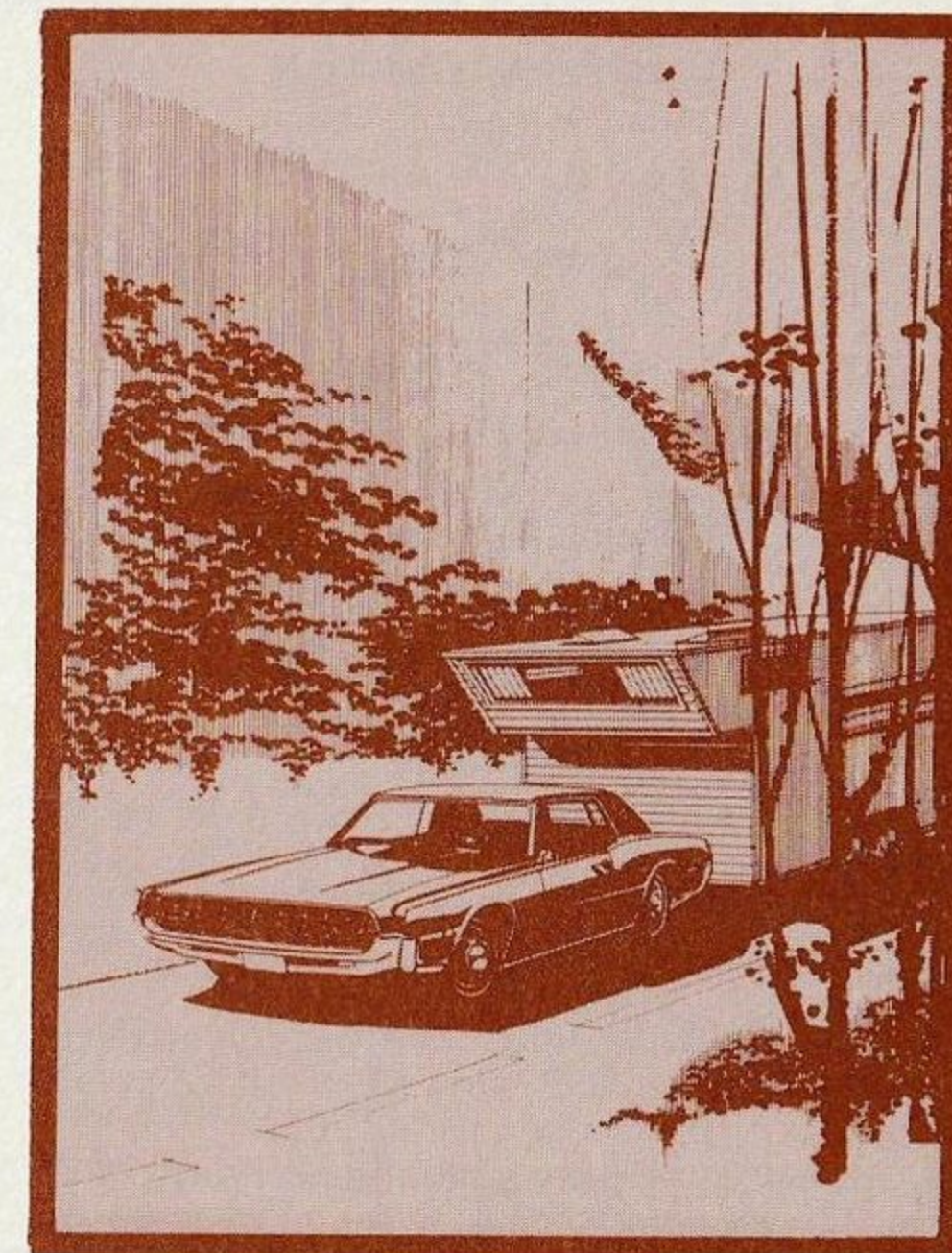
steep grades or to slow down on slippery roads. Page 27 contains instructions which will help you operate your transmission to the best advantage.

The operation of the optional highway speed control is described on pages 28 and 29. On long trips particularly, this device can reduce fatigue and make driving more pleasant by taking over the operation of the accelerator. It maintains the speed you select up hill and down while remaining completely under your control.

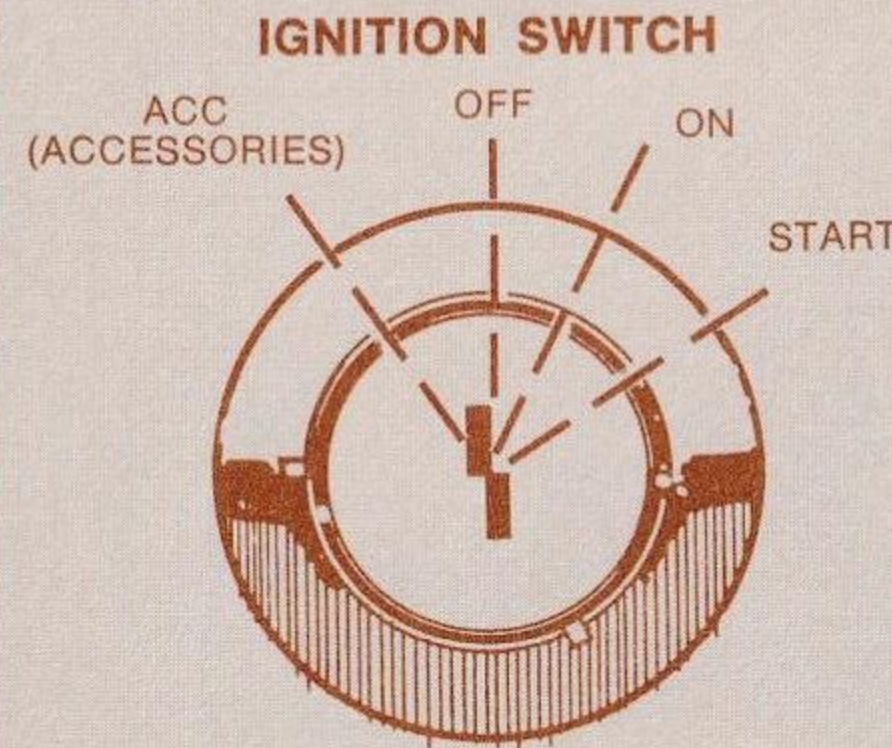
If your plans include towing a trailer, your Ford or Ford of Canada dealer or your local trailer sales agency can help you with advice on equipping your car properly for this kind of service.

Give particular attention to installing the right trailer hitch, the right tires, and the right springs and shock absorbers for the type and weight of trailer that you propose to use.

Operation in extremely cold weather and on soft slippery surfaces poses some special problems. Pages 30 and 31 give some tips on this kind of driving that you may find informative.



Engine Starting



The transmission selector lever must be in P "Park" or N "Neutral" and the "Tilt-Away" steering wheel (if so equipped) must be pulled down to driving position, before starting.

Engine Cold—Weather Cool—Press accelerator pedal down to floor and release it completely. Then turn ignition key to "START".

After starting the engine and allowing it to run for a few seconds, depress the accelerator pedal

slightly and release it to reduce engine speed. If the outside temperature is very cold (10° or below) or the vehicle has been idle several days, it may be helpful to depress the accelerator 2 or 3 times before attempting to start the engine. **If engine stalls or falters in starting, be sure the starter stops spinning before re-engaging it. Otherwise, the starter may be damaged.**

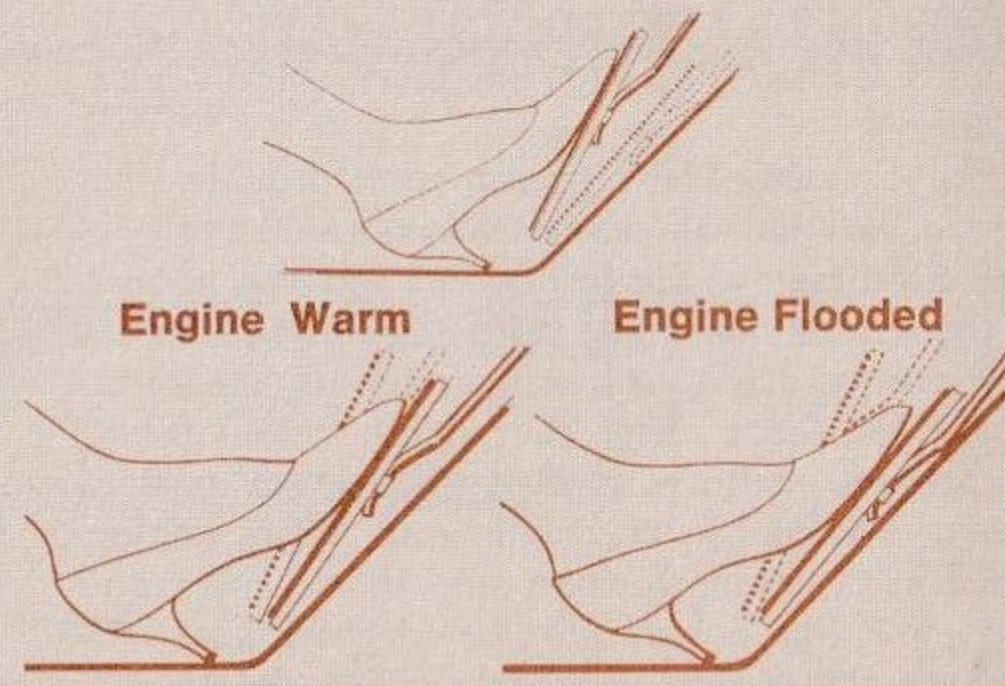
Your engine will idle faster than normal until it warms up and the choke is fully open.

Engine Warm—Press accelerator pedal down approximately halfway and hold in this position. Do not pump the pedal. Turn the ignition key to "START" until engine is started, then allow engine to operate freely at slightly faster than idle speed. Now release pedal.

Engine Flooded—Press accelerator pedal down to floor and hold in this position. Do not pump pedal. Turn ignition key to "START" until engine is operating, then release the accelerator pedal gradually.

Normal Tappet Noise—It is normal for the oil to leak down from some of the hydraulic tappets in your engine during extended shut-down periods (overnight). As a result, these tappets may clatter for a few seconds after the engine starts until oil pressure builds up. This momentary start-up noise is *normal* and is *not* detrimental to engine operation.

Engine Cold—Weather Cool



Driving With Cruise-O-Matic Transmission



"P" PARK—The "P" position locks the rear wheels and transmission even with the engine running. Fully stop before shifting into "P".

"R" REVERSE—Car must be fully stopped before shifting into or out of reverse.

"N" NEUTRAL—In the "N" position, there is neither forward nor reverse gear engagement.

"D" NORMAL DRIVE POSITION—Car starts in low and shifts automatically to second and high.

"2" SECOND GEAR MANUAL—For slippery surfaces, traffic braking. Car starts and remains in

second. Do not shift into "2" at speeds above 70 mph.

"1" LOW GEAR MANUAL—Car starts and remains in low gear for sustained pulling power, braking on hilly roads. When moving selector lever from "D" or "2" to "1" (LOW), the car remains in second gear until 25-35 mph before shifting to LOW gear. Do not exceed 35 mph in low gear. To avoid skidding, do not shift into "1" position above 20 mph on slippery surfaces. Under normal road conditions the transmission can be shifted to "1" at speeds up to 70 mph.

FORCED DOWNSHIFTS—IN DRIVE—At speeds

between about 35 and 75 mph, depending upon tire size and axle ratio you can get the quick power and acceleration needed to pass moving cars or to climb steep grades by flooring the accelerator pedal to downshift from high to second gear. A forced downshift from second to first gear is possible in "normal drive" at speeds under 35 mph.

TOWING (Vehicle Inoperative)

Make sure the parking brake is released and the transmission is in neutral. The manual lever to release the parking brake is explained on Page 12. It is important to know that the transmission and rear axle are in proper working order before towing (or pushing). To move a car with an inoperative rear axle, raise the rear wheels. When the transmission is inoperative, the driveshaft must be removed or the rear wheels raised, whichever is more convenient. Do not exceed 30 MPH or a distance of 15 miles with the rear wheels on the ground.

PUSHING

Your car cannot be started by pushing. Use a booster battery or jumper cables from the battery of another car.

Operating The Highway Pilot Control (Optional)

1. Pull the "On-Off" switch located on the lower left side of the instrument panel. Then accelerate the car to the desired speed allowing time for the speed to stabilize.

2. Quickly depress the "Set Speed" switch located on the left side of the steering wheel spoke and release. Do not hold the control down as the car will continue to accelerate.

3. To disengage the highway pilot, press the "Retard" half of the switch located on the right side of the steering wheel spoke or apply your service brakes slightly.

4. To re-engage the system at speeds above approximately 30 mph, press the "Resume" half of

the right side switch. The vehicle will return to the original setting.

5. For faster controlled speed, simply accelerate in the normal manner to the higher speed then quickly depress the "Set Speed" switch and release. You may also accomplish a faster speed by holding in the "Set Speed" switch which will allow the car to accelerate. After attaining your desired speed, again release the "Set Speed" switch. The car will continue to accelerate for approximately 2 to 3 mph at which time it will stabilize itself and lock.

6. For slower controlled speed, press the "Retard" control or apply the service brakes. At the desired

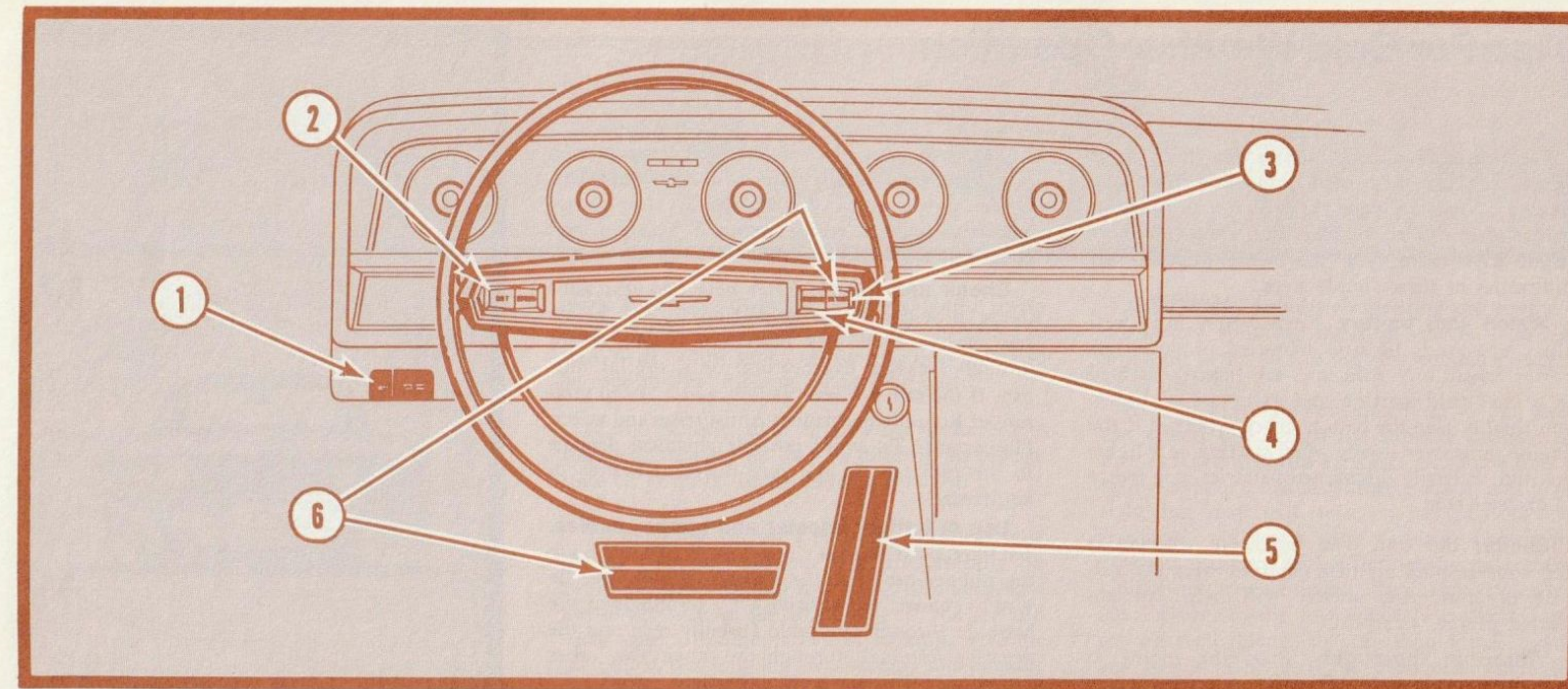
speed, again press the "Set Speed" switch and release.

If you want to accelerate while the Highway Pilot is in operation, use the accelerator in the normal manner. Your car will return to the set speed as soon as the accelerator is released.

It is recommended that you avoid shifting into neutral with the pilot control engaged to prevent the engine from overspeeding.

THE PRE-SET SPEED CAN BE CANCELLED IN THE FOLLOWING WAYS:

- Push the "On-Off" switch forward and release
- Stop the car, turn off the engine and start it again



Tips For Cold Weather Operation

Freezing cold affects automobiles much as it affects people; they need protection from the weather. Normally your car will run as easily in winter as in milder weather. But when extremely frigid days occur, you can avoid virtually all difficulties by these simple steps:

Watch your battery. Keep battery fluid well filled up. And, because batteries produce less power when very cold and are heavily drained by winter cold starting and extra use of lights, you should have the battery charge checked if the engine turns over slowly when starting or if lights are dim. Partially discharged batteries may freeze in extreme cold.

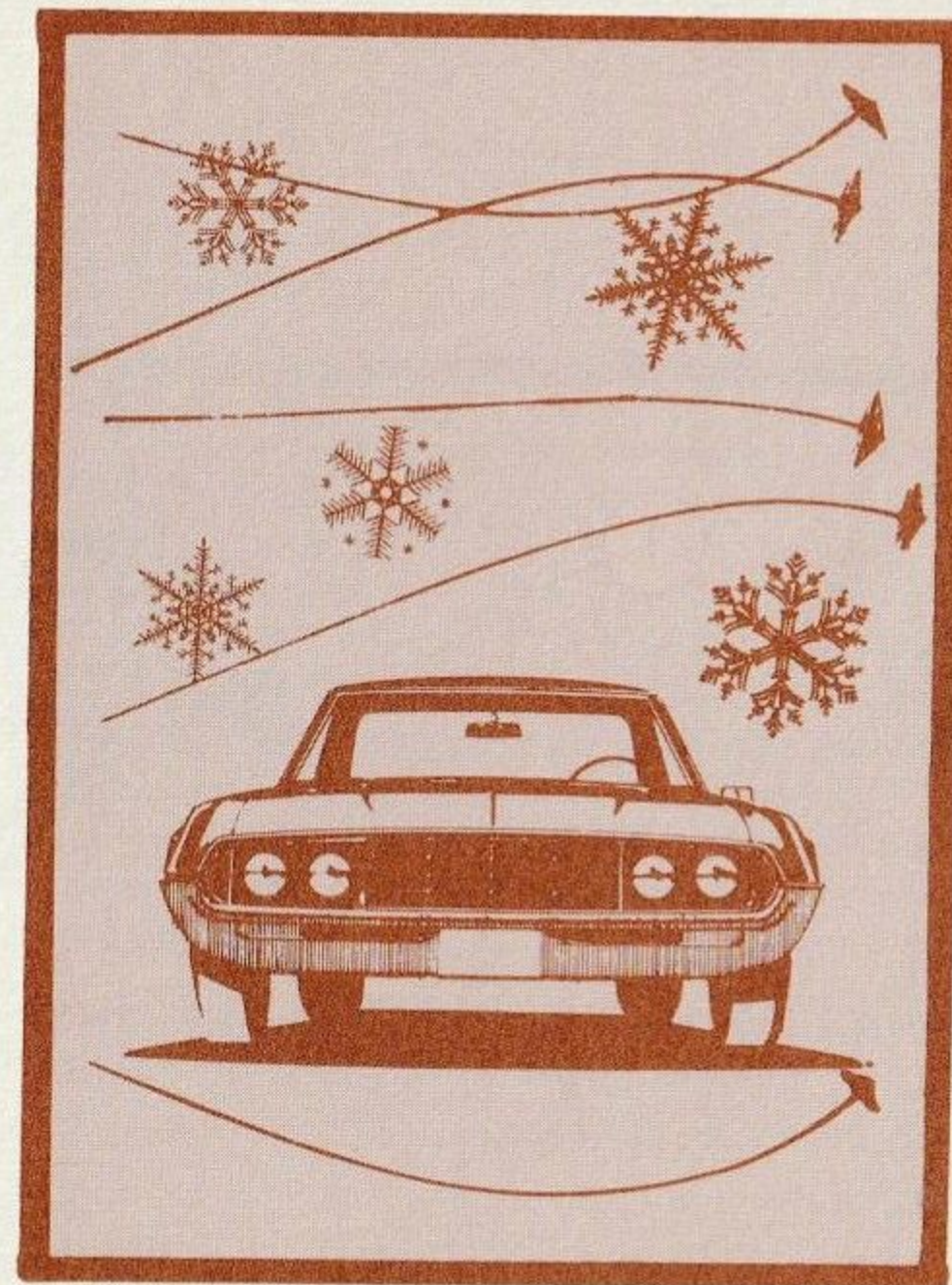
Shelter the car. The villain in freezing is the wind-rushing air that removes every last calorie of heat. Any shelter will help: an unheated garage, a carport.

Warm up thoroughly. Start the engine as described on page 26. Then let it run for a few

minutes, to give the engine and transmission lubricants time to circulate to all moving parts. Drive slowly until the operating temperature indicator pointer reaches normal position and your heater produces warmth.

Check anti-freeze. Your new two-year anti-freeze provides ample protection to 35° below zero unless there has been a loss of coolant through leakage, overheating, or a similar mishap. If the radiator level is low, add a 50/50 mixture of Rotunda Permanent Anti-Freeze and water. (Important: To avoid possible chemical damage to the radiator, do not mix different brands of anti-freeze.)

Use of battery booster and jumper cables. To start a car with a "run-down" battery, hook the jumper cables to the booster battery first. Be sure to connect the positive (+) terminals of the batteries through one cable (usually red) and the negative terminals through the other. Any other procedure will damage the charging system.



Keep car clean. Wash the body frequently in winter to remove road salt and dirt. Protect door locks from possible entry of water by applying Ford Lock Lubricant frequently.

How to get out of sand, snow or ice. A heavy snowfall creates two kinds of driving problems, and it is helpful to consider each kind separately. Deep, soft snow resists forward motion in a manner similar to loose sand. Hard, packed snow causes the wheels to lose traction on the icy surface. In wet mud, both momentum and traction may be lost.

When the wheels are bogged down, use second gear (2) to supply the necessary torque. Try to

move forward slowly but evenly. Should resistance increase to the point where the car begins to stall, shift to low gear (1). Reverse gear may also be used in this situation for backing out.

If the wheels spin, a different technique is required. Backing up may be difficult, so concentrate on keeping the car moving forward.

To move the car off a particular slippery spot, set up a rocking motion. Shift rhythmically between reverse (R) and low (1) while keeping a gentle pressure on the accelerator. If you are still stuck after a minute or two of rocking, have the car pulled out to avoid overheating and possible damage to the transmission.

CAUTION: Avoid overspeeding the engine or excessively spinning the rear wheels. The tires will grip better if you use just enough power to move the car.

Also look around for something to put under the wheels to roughen the slippery surface: dry dirt or leaves, torn newspaper; etc. Snow tires or skid chains help avoid getting stuck in soft materials, but may still spin on ice. Drivers who frequently encounter such problems order their new cars equipped with a limited-slip differential. Unlike the conventional rear axle, it delivers equal power to the rear wheels for a better grip on the road. Hence the car should pull out of any bad spot so long as even one wheel can maintain traction.

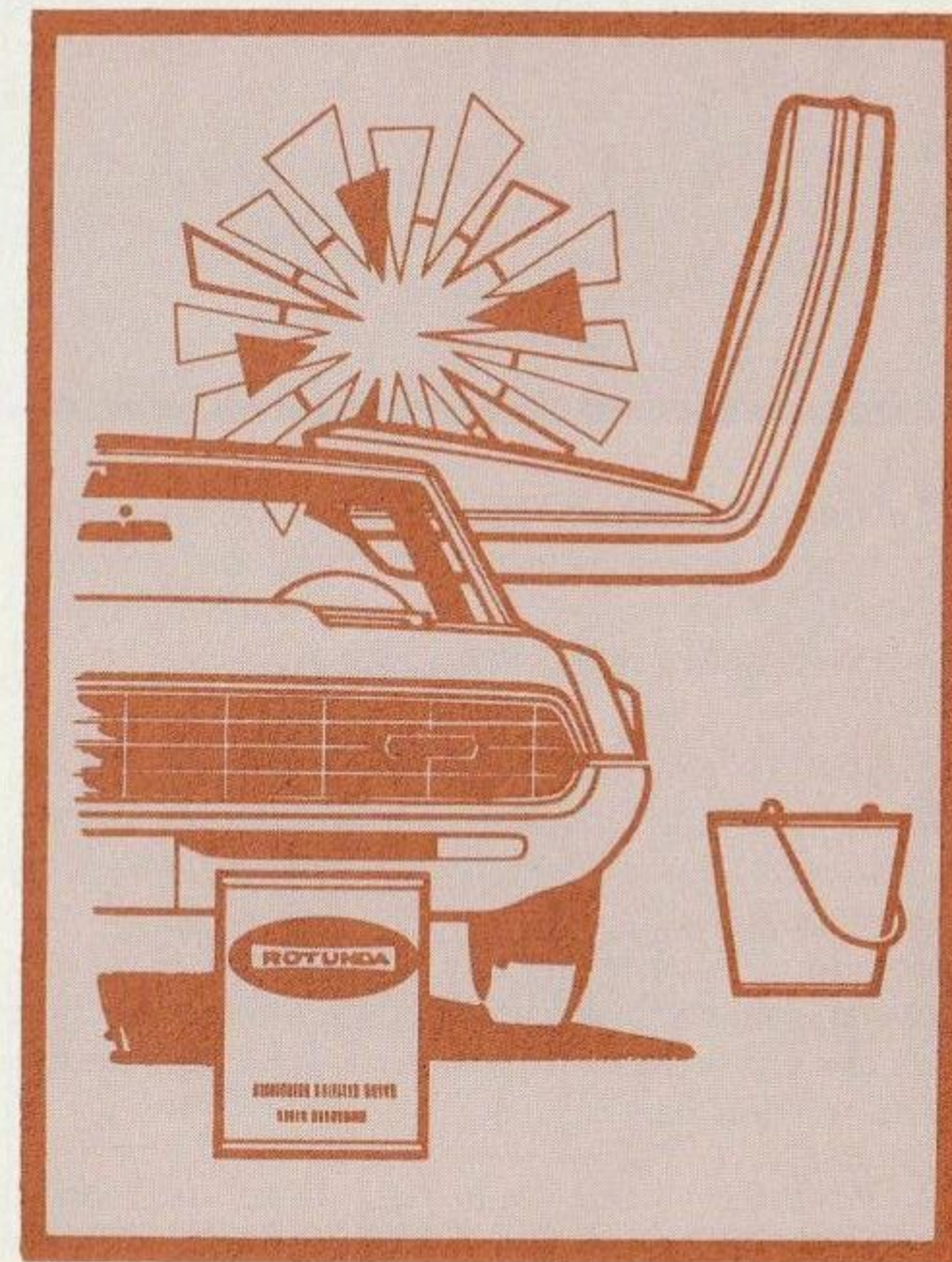
Day-to-Day Care You Should Give Your Car

The quality and craftsmanship of your Ford-built car makes the factory-fresh beauty easy to maintain. Regular care of the exterior paint and metal finishes and the inside trim will keep them looking like new.

- Wash your car often and thoroughly with warm or cold water. If the car is very dirty, wash it with Rotunda Liquid Car Wash. Do not wipe painted surfaces with a dry cloth because this could produce scratches.
- The super enamel finish of your car will never need waxing under most normal driving conditions. However, damage to the finish may result if you drive frequently where tree sap, fly ash or salt deposits can cling to the painted surface. Rotunda Custom Silicone Gloss will help prevent this damaging effect by forming an invisible protective film over your entire car. Do not scour aluminum or chrome fin-

ished parts with steel wool or polish them with products containing abrasive.

- The metal trim on your car needs no special care. Rotunda Chrome Cleaner can be used to remove road tar or salt accumulations.
- Dust and loose dirt should be removed from the upholstery, trim and floor covering frequently, using a whisk broom or vacuum cleaner. Vinyl plastic surfaces can be wiped clean with a damp cloth. Use Rotunda Interior Trim Cleaner for cleaning nylon upholstery and nylon-rayon carpeting.
- If your Thunderbird has a vinyl covered roof, clean it with a reputable brand of cleaner such as Rotunda Triple Clean All Purpose Cleaner following instructions on the container.



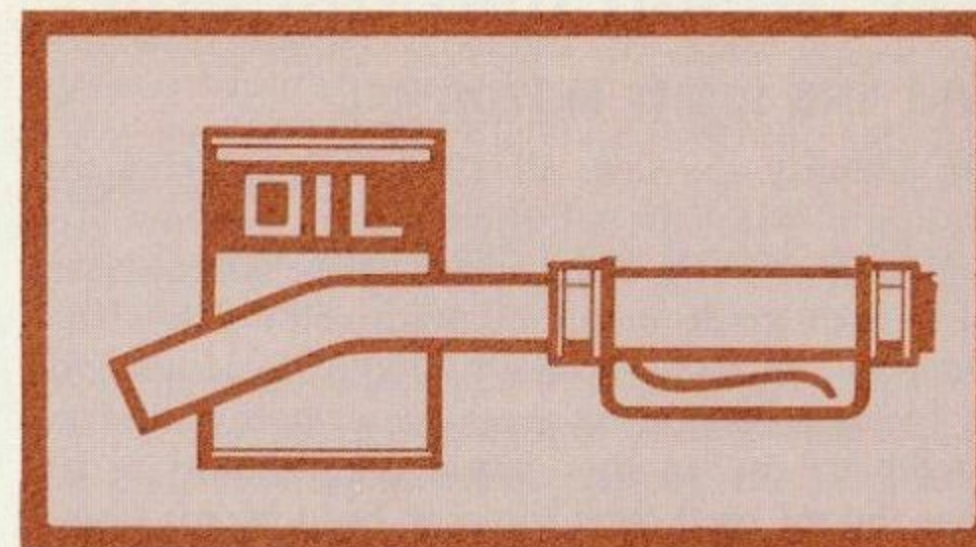
Make sure your car is ready to go whenever you need it. There are some things you can do, or have done for you, to realize extended driving enjoyment with the assurance that your car is well cared for.

- Keep the gas tank well filled. A full tank reduces the possibility of condensation forming in the tank and moisture entering the fuel lines.
- Under the hood, make frequent checks of the motor oil and coolant levels. The name "Ford" on the label of the motor oil and "Rotunda" on the anti-freeze will assure you of the highest quality for long-lasting, performance-keeping operation. A new Autolite oil filter at every oil change is one of the best investments you can make. Check the battery fluid level often, especially if your car is being driven in a warm, dry climate. Check the windshield washer reservoir fluid level. If the fluid level is low, add water with the recommended proportion of Rotunda All-Weather Washer Solution.

- Inspect the tires visually and have the air pressure checked regularly. Tire pressure lower than recommended will reduce tire life, and pressure higher than recommended will tend to magnify, rather than absorb road shocks. Remember that tire pressure will usually increase after long driving periods at high speeds or operation with heavy loads. **Do not bleed air out of an extremely warm tire to adjust the pressure.** Maintaining the correct tire pressures for the load and speed to which you drive is one of the most effective steps you can take for the safety of yourself and your passengers. See pages 36 and 37 for tire care tips.

Whenever your car requires maintenance of any kind, your Ford or Ford of Canada dealer has skilled technicians who will do an expert job of keeping your car in its prime condition—and at a reasonable cost.

The following pages will tell you of the fuel, motor oil and coolant recommendations as well as the proper tire care, and an explanation of the electrical system.



Use the Right Fuel

Most "premium" grades of fuel will provide satisfactory operation of the engine. At factory adjustment, the octane requirement is 99.8 (research method). If 'pinging' or 'knock' occurs and cannot be corrected by spark timing or other engine adjustments, change to a better grade of fuel.

- If you plan to drive your car outside the United States or Canada, ask your travel agent or auto club about the quality of gasoline available in the area you expect to visit.

Oil Recommendations

USE THE RIGHT MOTOR OIL

Oil Quality—By law, all 1968 U.S. vehicles are equipped with air pollution control systems. To maintain effective operation of these systems, use of a high grade motor oil with some *new* characteristics is *essential*. Ford 6000 Mile Motor Oil is formulated to meet these requirements. If you prefer to use another brand, you should *insist* that the oil used meet the new Ford Motor Company performance specification, 101-B.

Oil Viscosity—When you change or add oil, you should select oil with the proper specifications and with the viscosity, selected from the table below, which most closely matches the temperature range you expect to encounter for the next 6 months or 6000 miles.

CHECK OIL LEVEL FREQUENTLY

Avoid operating the engine with the oil level below the "add" mark on the dipstick.

Adding Oil Between Changes—It is normal to add some oil between 6000 mile oil changes.

The amount added will vary with severity of operation.

MULTI-VISCOSITY OILS

When Outside Temperature Is Consistently	Use SAE Viscosity Number
Below +32°F	5W-30
-10°F to +90°F	10W-30
Above 0°F	10W-40
Above +32°F	20W-40

SINGLE VISCOSITY OILS

When Outside Temperature Is Consistently	Use SAE Viscosity Number
-10°F to +10°F	10W
+10°F to +32°F	20-20W
+32°F to +90°F	30
Above +90°F	40

CHANGING MOTOR OIL AND FILTER

Motor oil *and* oil filter must be changed regularly every 6 months or 6000 miles, whichever comes first, to keep the 5 year, 50,000 mile warranty in effect. If you use the recommended motor oils and filters, you do *not* need to change more frequently under normal driving conditions,* even when the car is new. No break-in drain is required. See "specifications" section of this book for the crankcase capacity of your engine.

*Canadian owners see Supplement to Owner's and Operator's Manual, (SE712-68) for special instruction about operation in their climate.

American owners refer to Maintenance Schedule, page 46.

Use The Right Oil Filter—Proper oil filtration is just as essential as use of good motor oil. The two-stage filtering action of the Autolite oil filter has been shown by tests to be more effective than ordinary filters. Use only an Autolite 6,000 mile oil filter or one of equal quality which meets the Ford Motor Company specification (pg. 43).

Use The Right Automatic Transmission Lube

- For satisfactory operation of your automatic transmission, proper lubrication, and correct viscosity under all weather conditions, it is important to use only automatic transmission fluids meeting Ford Specification M2C33F. Ford Automatic Transmission fluid meets all these requirements.

Avoid Mixing Lubricants

- In some cases, different brands of lubricants are not compatible with each other and deteriorate when mixed. It is best to stick with one brand at successive maintenance intervals. You can be sure that Ford lubricants are compatible with those used at the factory.

Engine Coolant



- Your cooling system is filled with a special Rotunda long-life coolant mixture. This prevents corrosion and keeps the cooling system

clean for best operation summer and winter. This coolant is good for two years of operation if not lost by leakage or overflow.

- Check coolant level about once a month preferably when the engine is cool. Fill only to "COLD FILL" mark.
- To avoid injury when checking a hot engine, do not immediately remove the cap. Muffle the cap in a thick cloth and turn it counterclockwise only until the pressure starts to escape. After the pressure has completely dissipated, finish removing the cap.

If it becomes necessary to add coolant, we recommend adding a 50/50 mixture of Rotunda Permanent Anti-Freeze and water.

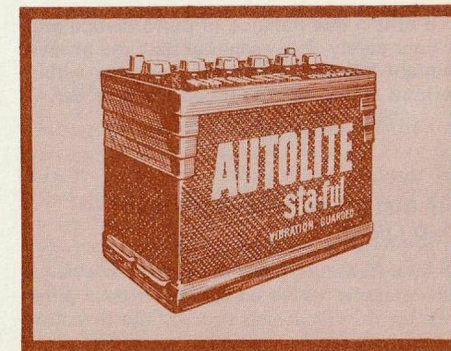
CAUTION: Avoid use of high alkaline or hard water.

- Rotunda Permanent Anti-Freeze may be added undiluted if anti-freeze protection below -35°F is required. Refer to the coolant mixture charts on the container.
- Be sure to check the anti-freeze protection level at least once a year at the beginning of the winter season, or before traveling to a colder climate.

Battery

BATTERY CARE

- About once a month (more often during hot dry weather) have the fluid level in battery cells checked.
- The level should be at the ring in the bottom of the filler well.
- Ordinary tap water can be used except in areas where the water is known to be hard or to have a high mineral or alkali content—use distilled water in these areas.



Tires and Tire Care

ORIGINAL EQUIPMENT TIRE

After extensive testing, the tires for your new car were selected to provide the best combination of reliability, traction, weight-carrying ability, stability at high speeds, tread life, and riding comfort.

To obtain this balance of performance and for your safety, it is essential that you always maintain inflation pressures and stay within the load limits recommended for your car.

TIRE INFLATION PRESSURES AND LOAD LIMITS

For your car, this information is shown on a chart which is visible on the center body pillar when the driver's door is opened. The chart lists

inflation pressures for both the standard and the approved optional tire sizes and types. Each tire has its size and type molded on the outer sidewall. Increasing pressures (up to 32 PSI) will improve fuel economy but will decrease riding comfort and possibly tread wear. See special instructions under "High Speed Driving" and "Trailer Towing".

For reliable vehicle control always maintain the specified difference between front and rear tire pressures.

TO FIGURE YOUR LOAD

Add the actual weights of the driver, passengers, and luggage (both inside and on a roof rack) and tongue load if a trailer is to be towed. This total must never exceed the Full Rated (Maximum)

load shown in the chart. Within this limit, up to 100 lbs. of extra baggage may be carried in place of each passenger NOT carried in the rear seat. Never exceed 450 lbs. in the front seat. If you add equipment to your car after it has left the dealer, include its weight in figuring your load.

HIGH SPEED DRIVING

If your car is to be driven at sustained (one hour or more) speeds over 90 MPH, special high speed capability tires must be installed. For sustained speeds between 75 and 90 MPH, increase the cold inflation pressure by 4 PSI but do not exceed 32 PSI for 4 ply rating tires or 40 PSI for 8 ply rating tires. Where this adjustment would require pressures above these limits, do not drive over 75 MPH.

Tires and Tire Care

WITH SNOW TIRES

Add 4 PSI to the specified *rear* cold inflation pressures. Do not drive at sustained speeds over 75 MPH.

TRAILER TOWING

Trailer tongue loads up to 100 lbs. may be substituted for an equal weight of baggage in the luggage area. For heavier tongue loads, add 1 PSI to the recommended *rear* tire pressure for each 35 lbs. of added tongue load. Do not exceed 32 PSI for 4 ply rated or 40 PSI for 8 ply rated tires. See a reputable trailer dealer for the special equipment required for tongue loads over 200 lbs.

TIRE CARE

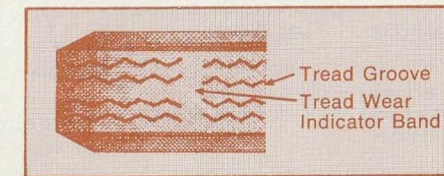
Check tire pressures frequently. The "cold" pressure (after car has been parked one hour) should

be as specified above. It is normal for a "warm" tire to exceed the specified "cold" pressure. Do not let air out of "warm" tires to adjust pressure.

Inspect tires frequently for cuts, bruises, or sharp objects embedded in the tread. Avoid driving over curbs, potholes, etc. except at very low speeds.

TIRE REPLACEMENT

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



When replacing full sets of tires, do not install tires smaller than the standard size shown in the chart. Any of the optional tires shown may also be used.

When replacing less than a full set of tires, be SURE replacement tires are of the same size, type, and ply rating as the other tires on the car. **Do not mix radial ply tires with conventional type.**

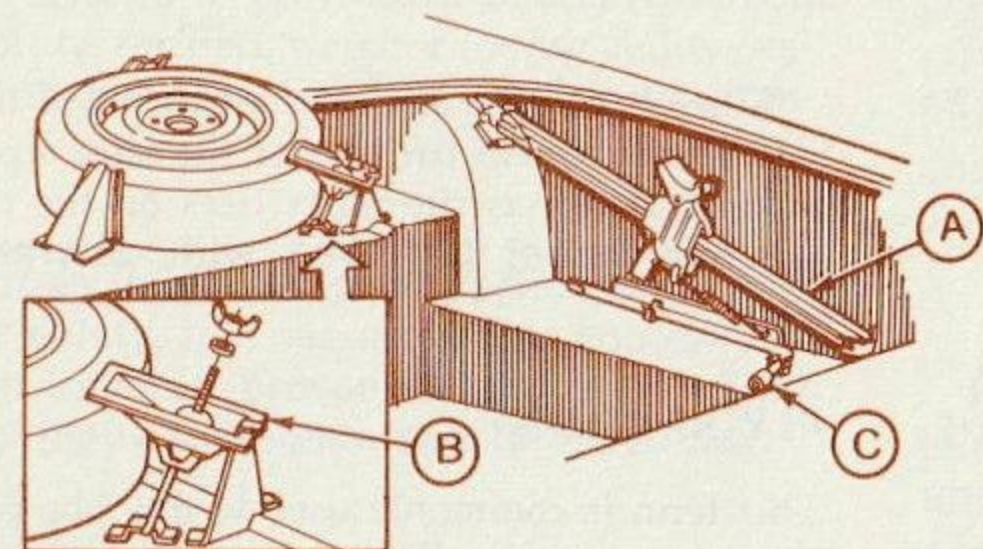
PLY RATINGS

This term is commonly used to describe tire load carrying capacity. There is, however, no universally accepted definition of, or standard for, "ply rating". In general, the 4 ply rating/2 ply conventional tire and the type A radial ply tire (which has two plies) have the same load carrying capability as 4 ply rated/4 ply tires because the strength of each ply has been increased by using stronger cords.

Changing a Wheel

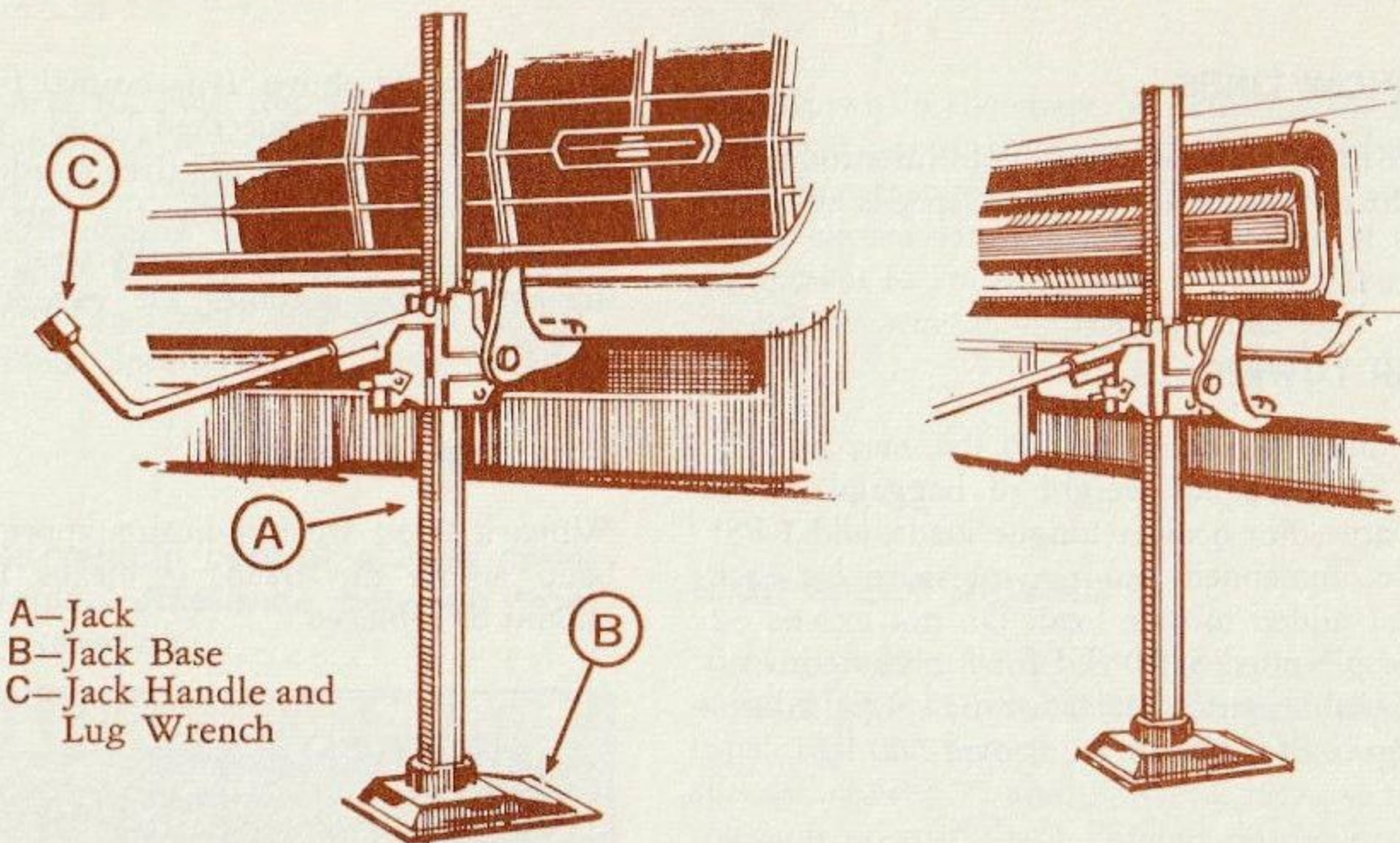
The spare tire, jack and jack handle lug wrench are stored in the luggage compartment.

Complete instructions on assembling the jack and stowing the jack and wheel are attached to the jack covering flap.



To assemble jack, insert jack column A into the raised side of jack base.

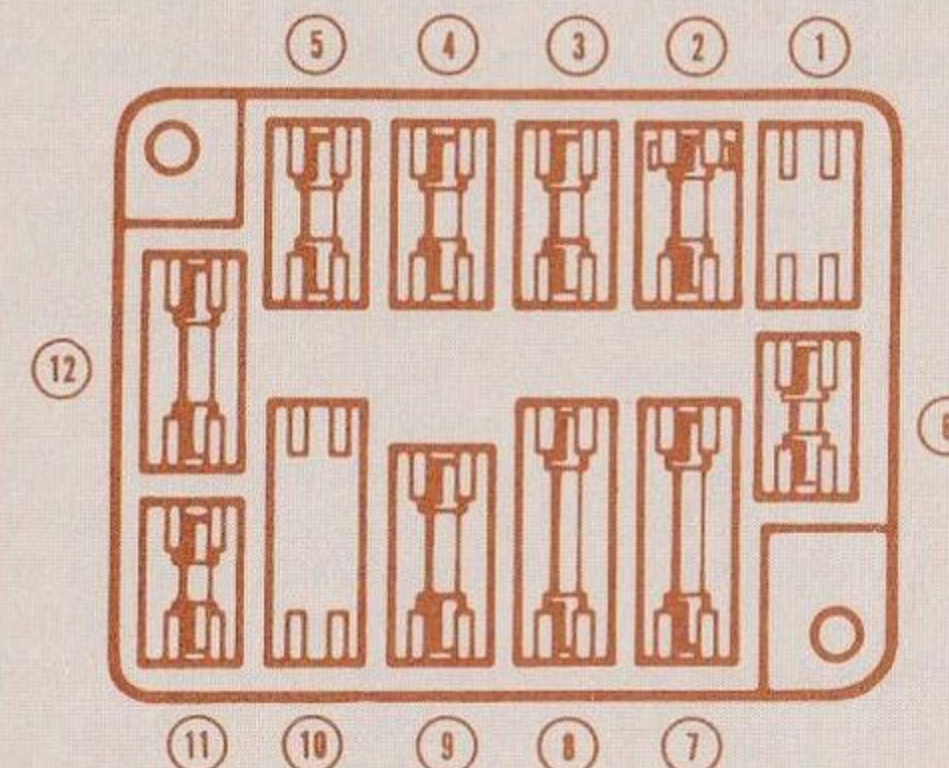
Before the car is jacked up, apply the parking brakes and, as an added precaution against moving, place a large stone or block under the front and rear of one wheel. Do not run the engine when the car is on a jack.



Find notch in lower edge of bumper by feel. Be sure hook on jack is firmly engaged in this notch before raising car.

Fuses

INSIDE GLOVE COMPARTMENT AT RIGHT SIDE
—BEHIND THE REMOVABLE COVERPLATE



1. (Spare) or (7.5 amp.) Low Fuel Warning
2. (4 amp.) Speed Control & Seat Belt Warning

3. (7.5 amp.) W/S Washer and Back Up Lamps
4. (15 amp.) Turn Signal Flasher
5. (7.5 amp.) Radio and Defogger
6. (6 amp.) Dual Brake Warning
7. (15 amp.) Clock & Stereo
8. (20 amp.) Cigar Lighter
9. (14 amp.) Interior Lamps: Courtesy, Glove Box, Luggage Compt., Dome, Map
10. (Spare) or (10 amp.) Power Antenna
11. (6 amp.) Instr. Panel Lights: Ign. Switch, Ash Tray, PRND21, Radio, Heater
12. (14 amp.) Ammeter
13. Charging System—14 GA Wire Fuse Link—junction block on R.H. fender apron.

Circuit Breakers

- BEHIND GLOVE COMPARTMENT**
- 20-AMP—Power Seats & Windows, Stop and Emergency Warning Lights.
 - 30-AMP—Heater & Air Conditioning
- IN HEADLAMP SWITCH**
- 15-AMP—Tail, Park, License & Marker Lamps.
 - 18-AMP—Headlamps
- L.H. REAR CORNER OF LUGGAGE COMPARTMENT**
- 5-AMP—Rear Lamp Wiring
- Electric Motors Protected by Integral C.B. Power Windows & Seats

SEQUENTIAL TURN SIGNAL FLASHER MOTOR AND RELAY (IN LUGGAGE COMPARTMENT)

Bulb Specifications

Lamp Description	Number of Bulbs Required	Candle Power or Wattage	Trade Number
STANDARD EQUIPMENT			
Headlamps—Hi & Lo	2	37.5 & 50 Watts	4002
Headlamps—Hi Beams	2	37.5 Watts	4001
Front Park and Turn Signal	2	4-32 c.p.	1157A
Rear Tail/Stop/Turn Signal	8	4-32 c.p.	1157
License Plate	1	4 c.p.	97
Map	1	6 c.p.	212 or 212-1
"C" Pillar	2	15 c.p.	1003
Auto. Trans. Quadrant	1	1.5 c.p.	1445
Door Courtesy	2	6 c.p.	212 or 212-1
Luggage Compartment	1	6 c.p.	631
Glove Compartment	1	2 c.p.	1895
Back-up Lamps	2	32 c.p.	1156
Front Side Marker	2	4 c.p.	97NA
INSTRUMENT PANEL			
Brake and Belt Warnings	2	2 c.p.	194
Ignition Switch	1	2 c.p.	158

Lamp Description	Number of Bulbs Required	Candle Power or Wattage	Trade Number
INSTRUMENT PANEL			
Hi-Beam Indicator	1	2 c.p.	194
Turn Signal Indicators	2	2 c.p.	194
Instruments	5	2 c.p.	194
Control Nomenclature—			
Rear Vent & Wiper	2	2 c.p.	194
Heater-A/C Controls	1	2 c.p.	1895
OPTIONAL EQUIPMENT			
Fog Lights	2	35 Watts	4415
Fog Lights Switch	1	1 c.p.	53X
Radio Pilot Light	1	1.9 c.p.	1893
Spotlight	1	30 Watts	4405
Cigar Lighter	1	2 c.p.	1895
Convenience Control Panel			
Low Fuel	1	1.5 c.p.	1445
Flasher	1	1.5 c.p.	1445
Door Lock	1	1.6 c.p.	256
Seat Belt	1	1.5 c.p.	1445
Supplemental Tail & Turn Signal	4	32 c.p.	1156

Quality Car Care Wherever You Go

Quality Car Care, which is a specially-developed system of servicing your Thunderbird, goes hand-in-hand with the extended warranty of 5 years or 50,000 miles. This maintenance system was developed parallel with the reliability engineering and testing which produced the fine components of your car. Lubricants and filters meeting the Ford specifications given on Page 43 were used in this same development program and are now made available for your use through your dealer. We highly recommend that you make use of his trained personnel and factory approved lubricants in having your car serviced every 6000 miles. In any case, may we call your attention to the provisions of the warranty in "Your Warranty Facts Booklet." They require that you visit a Ford, Ford of Canada, or Lincoln-Mercury

dealer once every 12 months. He will then certify that your Thunderbird has been serviced at the required intervals with lubricants and parts equivalent to those specified on Page 43.

You Play an Important Part in Quality Car Care. Only you can make sure that your car REGULARLY receives the care it needs. And since we have eliminated or extended the intervals on so many of the minor items of maintenance, you can be sure that it is essential that the remaining items be performed as recommended. For most Thunderbird owners, this involves no more than twice-a-year visits to your dealer's service shop.

Here's What You Can Do:

Observe the DAY TO DAY CARE recommendations on pages 32 and 33.

Every 6000 miles or 6 months take your car for scheduled maintenance described on pages 46 and 47. Performance of certain of these operations must be certified by a Ford or Ford of Canada Dealer after one year from date of purchase and continued annually for 5 years or 50,000 miles to keep the Power Train, Steering, Suspension and Wheel warranties in effect.

Watch for the symptoms described under NON-SCHEDULED MAINTENANCE, page 45, and have needed adjustments made promptly.

Quality Car Care Wherever You Go

Where to go For Service? We say "Your Thunderbird takes so little care, why not give it the very best." And we are convinced that the best comes from your **Ford or Ford of Canada** dealer. He specializes in knowing all about Ford vehicles rather than knowing a little about all makes.

More Than 6,940 Ford or Ford of Canada Dealer service shops are ready to serve you wherever you drive in the U.S. or Canada.

They Stock Ford and Autolite parts and lubricants. You can be confident that these meet the same exacting design and quality standards as those used to build the car originally. Thirty-three Ford Parts Depots around the country provide

prompt supply service for any parts which the dealer may not have in stock.

Dealer Service Technicians are constantly trained in the latest product developments and service techniques. Approximately 26,000 men each year receive training through Ford's 43 service schools.

Dealers' Shop Equipment is the most modern available. Ford develops and makes available to its dealers service equipment and tools which meet exacting factory standards to help do the service work quickly and right the first time.

Personalized Customer Service. An Ownercard containing pertinent information about your vehicle is located in the glove compartment. This

Manual, "Your Warranty Facts Booklet" and the Ownercard should always be retained in the glove compartment. You should present the Ownercard to your dealer whenever you visit him for service work. It will simplify the handling of any problems which may arise and it will help your dealer to expedite his diagnosis and to write-up your service instructions quickly and accurately.

When you take your car in for Quality Car Care, you'll find that the dealer has streamlined procedures to minimize delay. At this time, you will be informed of the actual cost of the Quality Car Care service as well as any additional work you have requested. A small additional charge will be made if it is necessary to add fluid or lubricant to the transmission, power steering reservoir, brake master cylinder or rear axle.

Lubricant Specifications

ITEM	PART NAME	FORD PART NO.	FORD SPECIFICATION
MOTOR OIL	Ford 6000-Mile Motor Oil (MS Sequence Tested)	(Canadian CC7AZ-19579-A) (Canadian CC5AZ-19579-A) C5AZ-19579-D, E C5AZ-19579-K, L, M	ESE-M2C-101-B
Engine Oil Filter	Autolite Oil Filter—6000-mile type	C1AZ-6731-A (Canadian CC1AZ-6731A)	ES-C8AF-6714-A or C
Exhaust Control Valve	Ford Solvent and Penetrating Fluid	C0AZ-19A501-A (Canadian CB8A19579-A)	ESR-M99C56-A
Automatic Transmission Linkage	Ford Chassis Lube	C1AZ-19590-B	ESA-M1C75-B
Automatic Transmission	Ford Automatic Transmission Fluid	C1AZ-19582-A	M2C33F
Steering—Power (Pump Reservoir)		C7AZ-19590-A	ESA-M1C25-A
Steering Arm Stops	Ford Steering Arm Stop Pad Lube	C6AZ-19590-A	ESA-M1C92-A
Steering Linkage	Ford Steering Linkage Lube	C6AZ-19580-B	ESW-M2C105-A
Rear Axle (Except Limited Slip)	Ford Hypoid Gear Lube	C6AZ-19580-C	ESW-M2C104-A
Rear Axle—Limited Slip Differential	Ford Hypoid Gear Lube	C6AZ-19542-A	ESA-M6C25-A
Brake Master Cylinder	Ford Brake Fluid—Extra Heavy Duty	C1AZ-19590-B	ESA-M1C75-B
Front Wheel Bearings	Ford Ball Joint and	C1AZ-19590-B	ESA-M1C75-B
Front Suspension, Ball Joints	Multi-Purpose Lube	C4AZ-19584-B (Canadian C4AZ19584-A)	ESB-M1C105A
Body Hinges, Hood Latch & Auxiliary Catch	Ford Polyethylene Grease	B4A-19587-A	ESB-M2C20-A
Lock Cylinders	Ford Lock Lubricant	B5AZ-19581-A	ESF-M1C135-A
Speedometer Cable	Ford Speedometer Cable Lubricant		

WHY YOU SHOULD USE ONLY MOTOR OILS THAT MEET FORD SPECIFICATION 101-B

In order to properly protect your engine, as well as realize the dollar savings that are inherent in the Ford 6000 Mile-6 months service cycle, you should use only motor oils meeting Ford Specification 101-B. Oils meeting the 101-B performance specification have been formulated to keep the new anti-smog emission control systems at peak efficiency. These oils also contain additives which inhibit the formation of corrosive acids generated in all gasoline burning engines.

NON-SCHEDULED MAINTENANCE

The following maintenance operations are not required at definite mileage or time intervals, but should be performed on a required basis. Have your Ford or Ford of Canada dealer check these items when your car's performance indicates the necessity.

MAINTENANCE OPERATION	WHEN PERFORMED
ENGINE	
Convert for altitude operation	When operating car consistently at altitudes above 5000 feet.
Check engine coolant level	When engine overheats or at least once a month.
TRANSMISSION	
Lubricate automatic transmission shift linkage	Abnormal accelerator pressure is required to downshift transmission.
CHASSIS	
Check air conditioning system	At beginning of warm weather season.
Check front wheel alignment and steering linkage	Poor ride and handling characteristics—abnormal tire wear.
Balance wheels—Inspect and rotate wheels and tires	
Check steering gear total over-center mesh load	When steering wheel feels loose in the straight-ahead position.
Check parking brake and adjust if required	Excessive pedal travel required to hold. Will not hold car.
Check headlamp alignment	Light beam appears too high or too low.
BODY	
Clean body drain holes or examine dust valves for proper operation	When improper water drainage from body is suspected.
Replace windshield wiper blades	Blades do not properly clean windshield.

YOU WILL BE CHARGED FOR THESE MAINTENANCE SERVICES.

QUALITY CAR CARE SERVICES SCHEDULED WARRANTY SERVICES

These are the services required for first and reinstated second retail purchasers to keep their extended warranties in effect

These scheduled maintenance services must be performed as indicated, and certified by an authorized Ford or Ford of Canada dealer every 12 months, to keep the extended warranties in force. In those cases where these maintenance services are not performed by your dealer, you must present him with the bills for work performed. They must indicate that parts and lubricants of Autolite, Ford, or equivalent quality were used. See "Your Warranty Facts Booklet" for complete details.

MAINTENANCE OPERATION	SERVICE INTERVAL							
Number of months or thousands of miles, whichever comes first	6	12	18	24	30	36	42	48
ENGINE								
Change Ford 6000 Mile Motor Oil and Autolite Filter ^①	X	X	X	X	X	X	X	X
Clean crankcase oil filler breather cap ^①	X	X	X	X	X	X	X	X
Replace fuel system filter		X		X		X		X
Replace Autolite Carburetor air cleaner filter—U.S.A. only				X				X
Replace engine coolant ^③	EVERY 24 MONTHS							
Clean Autolite Carburetor air cleaner filter—Canada only	X	X	X	X	X		X	X
Replace Autolite Carburetor air cleaner filter—Canada only						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	X	X	X	X	X	X	X	X

YOU WILL BE CHARGED FOR THESE MAINTENANCE SERVICES.

SCHEDULED AIR POLLUTION CONTROL SERVICES

These services are required every 12,000 miles or 12 months (whichever comes first) to keep the engine operating at peak performance and to keep air pollutants emitted from the engine within legally established limits (U.S.)

ENGINE SYSTEMS PERFORMANCE CHECKS								
Check and adjust distributor points—replace as required								
Check and adjust carburetor—idle speed, fuel mixture								
Clean choke external linkage								
Check and adjust ignition timing—initial timing, mechanical and vacuum advances, 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								
Inspect cooling system hoses for deterioration, leaks and loose hose clamps. Repair and/or replace as required								
Inspect thermactor exhaust emission system hoses and replace if required								
Inspect crankcase emission system hoses and replace if required								

YOU WILL BE CHARGED FOR THESE MAINTENANCE SERVICES.

SCHEDULED PERFORMANCE SERVICES

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

MAINTENANCE OPERATION	SERVICE INTERVAL							
Number of months or thousands of miles, whichever comes first	6	12	18	24	30	36	42	48
ENGINE								
Check drive belts for tension and wear. Adjust or replace as required.	X	X	X	X	X	X	X	X
CHASSIS								
Check brake lines and lining					X			
Check brake master cylinder fluid level ^①	X	X	X	X	X	X	X	X
Lube steering arm stops	X	X	X	X	X	X	X	X
BODY								
Lube door lock cylinders	X	X	X	X	X	X	X	X
Lube luggage compartment lock cylinder	X	X	X	X	X	X	X	X
Lube body hinges	X	X	X	X	X	X	X	X

① Add fluid if required (additional cost).

NOTE TO CUSTOMER: This page is provided for your convenience in keeping a record of the times and places at which maintenance services are performed. In addition, boxes are also provided for the use of first and reinstated second retail purchasers if they wish to maintain a record of the annual certification forms that must be submitted by an authorized Ford or Lincoln-Mercury dealer each year to keep their extended 5-year or 50,000-mile warranty coverages in effect.

● 6000 MILES OR 6 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	● 12000 MILES OR 12 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	FIRST ANNUAL DEALER CERTIFICATION MAINTENANCE CERT. NO. _____ DATE _____
● 18000 MILES OR 18 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	● 24000 MILES OR 24 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	SECOND ANNUAL DEALER CERTIFICATION MAINTENANCE CERT. NO. _____ DATE _____
● 30000 MILES OR 30 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	● 36000 MILES OR 36 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	THIRD ANNUAL DEALER CERTIFICATION MAINTENANCE CERT. NO. _____ DATE _____
● 42000 MILES OR 42 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	● 48000 MILES OR 48 MONTHS† Date _____ Mileage _____ Dealership Name _____ Dealership Address _____ Signed _____	FOURTH ANNUAL DEALER CERTIFICATION MAINTENANCE CERT. NO. _____ DATE _____

†WHICHEVER COMES FIRST

1968 Service Literature

The Ford publications shown on the reverse side can be purchased by filling out the order form and mailing it with a check or money order to Ford Service Publications, Post Office Box 7750, Detroit, Michigan 48207.

IMPORTANT: THIS IS YOUR SHIPPING LABEL, PLEASE PRINT CLEARLY.

From



SERVICE PUBLICATIONS

POST OFFICE BOX 7750

DETROIT, MICHIGAN 48207

FOR:

NAME _____

STREET ADDRESS _____

CITY, STATE _____

and ZIP CODE _____

POSTMASTER: This parcel may be opened for postal inspection if necessary. Return postage guaranteed.

Tear out along this line

1968 Service Literature

Canadian Purchasers write to Advertisers Sales and Distribution Services, 1603 The Queensway, Toronto 18, Ontario.

CHECK ITEMS DESIRED	FORM NO.	DESCRIPTION	PRICE EACH
	7920C-68	1968 Car Maintenance and Lubrication Manual	1.75
	7202C-68	1968 Ford Car Service Specifications Booklet	0.75
	7750-68 Available Approx. Feb. 2, 1968	1968 Thunderbird Shop Manual Supplement (Incl. 1968 Car Maintenance and Lubrication Manual and 1967 Thunderbird Shop Manual)	6.95

This order blank should not be used for orders of more than one of each item. When more than one of each item is needed contact your Ford or Ford of Canada Dealer.

All orders will be mailed within 10 days of order. Please allow ample time for postal service.

A complete list of Ford Motor Company service publications can be obtained upon request from the Ford Service Publication Department, P.O. Box 7750, Detroit, Michigan 48207.

Prices are subject to change without notice and without incurring obligation and are not valid after March, 1968.

NOTE: Purchasers outside Domestic U.S.A. must add 30¢ to each Publication for mailing expenses. Funds MUST be payable in U.S. Currency.

Michigan Purchasers add 4% Sales Tax.

Signature of Purchaser_____

Street Address_____

City, State_____

and Zip Code_____

IDENTIFICATION

The official vehicle Identification Number for title and registration purposes is stamped on an aluminum tab that is riveted to the instrument panel close to the windshield on the passenger side and will be visible from outside the car. The car warranty number and other important identifying information is stamped on the warranty plate which is attached to the rear face of the left door inner panel.

CAPACITIES AND SPECIFICATIONS

	(U.S. Measure)	(Imperial Measure)	Spark Plugs (Autolite— 429 CID 18MM-BF-42 Gap (Inches)..... 0.032-0.036 Torque (Ft. lbs.)..... 15-20 Distributor Point Gap (In.).. 0.017 Firing Order..... 1-5-4-2-6-3-7-8 Ignition Timing*..... 429 CID 6° BTC
Cooling System * 429 CID V-8 Engine Crankcase * 429 CID V-8	19 qts. 5 qts.	16 qts. 4¼ qts.	
*Includes 1 quart required with oil filter replacement.			
*Includes 1 quart for car equipped with heater.			
Fuel Tank	24 gal.	20 gal.	
For complete specifications, refer to "Ford Car Service Specifications Booklet" Form No. 7202C-68.			

*If the individual requirements of the vehicle and/or use of sub-standard fuels dictate, the initial timing may have to be retarded to eliminate detonation (spark knock). If retarding is necessary, it should be done progressively and not to exceed 2° BTC.

The descriptions and specifications contained in this manual were in effect at the time the book was approved for printing. The Ford Motor Companies, whose policy is one of continuous improvement, reserve the right to discontinue models at any time or to change specifications or design, without notice and without incurring obligation.

FORD builds Quality in ...
You can *KEEP* it in ...
with QUALITY CAR CARE ...
at your Ford or Ford of Canada Dealer

FORD SERVICE PARTS
FORD TRAINED TECHNICIANS
SPECIAL ROTUNDA SERVICE EQUIPMENT

