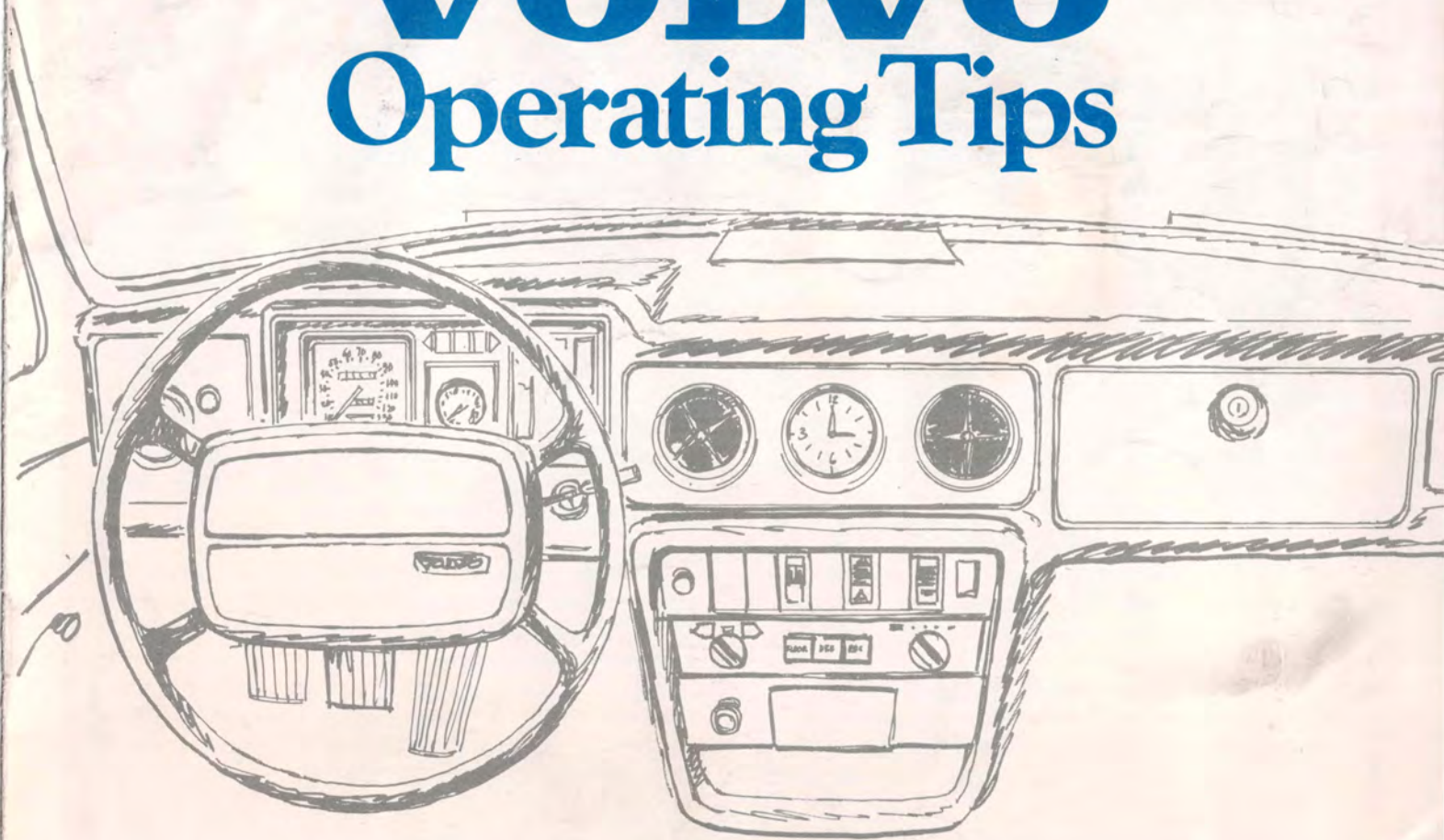
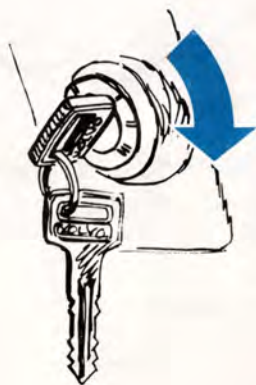


# VOLVO

## Operating Tips



## IGNITION



Volvos have a new combined steering column lock and ignition switch using a double-sided key. If the key won't turn, it's because the steering wheel is locked. Just jiggle the steering wheel a bit as you turn the key.

The switch has four positions. The key can only be inserted or removed from the *lock* position. Turning the key to the *start* position, engages the starter motor. As soon as the engine starts, release the key.

Volvos are powered by fuel injection engines. When starting a cold engine, do not press the gas pedal until the engine starts. If the engine is warm, the gas pedal should be pressed halfway and held until the engine starts.

## MANUAL TRANSMISSION OVERDRIVE

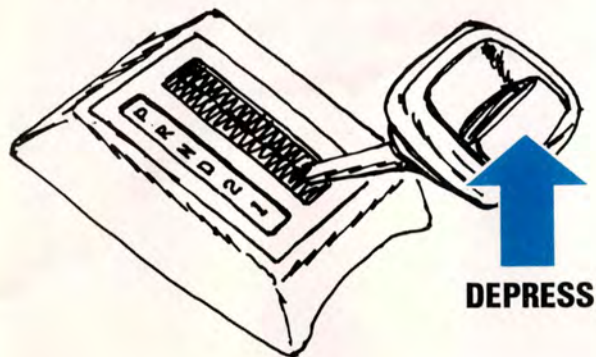


Volvo's manual transmission has four speeds forward. Change gears as in any shift car. To get into reverse, shift into neutral and pull the lever all the way to the left to get past the detent (you'll hear a click), then push it forward.

If your Volvo is equipped with overdrive, it has a lever to the right of the steering column (next to the windshield wiper/washer lever). The overdrive is engaged by moving this lever downward towards the steering wheel. The overdrive only operates in fourth gear. It is best to maintain a steady pressure on the gas pedal when you go into overdrive. To disengage the overdrive, move the lever upward and back. Pressing down on the clutch pedal will make this operation smoother.



## AUTOMATIC TRANSMISSION



Volvo's automatic transmission features a floor-mounted, push-button shift control designed for better, easier and inadvertent gear selection.

There are three forward positions, D-drive with automatic shifts through all three speeds, 2-which blocks out third speed but provides automatic shifts between first and second speeds, and 1-which blocks out both third and second speeds.

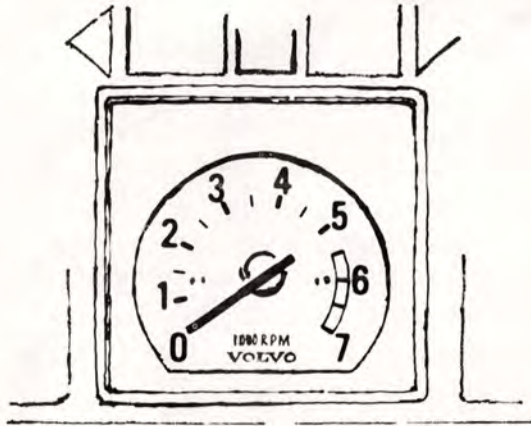
The shift lever may be moved between D and 2 without using the push button. The 2 mode is for use when automatic shifting into third speed is not desired. For example, in stop-and-go traffic or on rough roads, to provide engine braking when descending hills or slowing for a turn. To downshift when in D or 2 for passing acceleration, press fully on the gas pedal.

To select 1, for extreme engine braking or when only very low speeds are desired, or N-neutral, the push button must be pressed half way. This can be done using your thumb or the palm of your hand.

To select R-reverse or P-park, and to select any other mode from the park position, a very conscious effort must be made to fully depress the push button.

<b>P</b>	<b>DEPRESS BUTTON ALL THE WAY</b>
<b>R</b>	
<b>N</b>	<b>DEPRESS BUTTON HALF WAY</b>
<b>D</b>	
<b>2</b>	<b>NO NEED TO DEPRESS BUTTON</b>
<b>1</b>	<b>DEPRESS BUTTON HALF WAY</b>

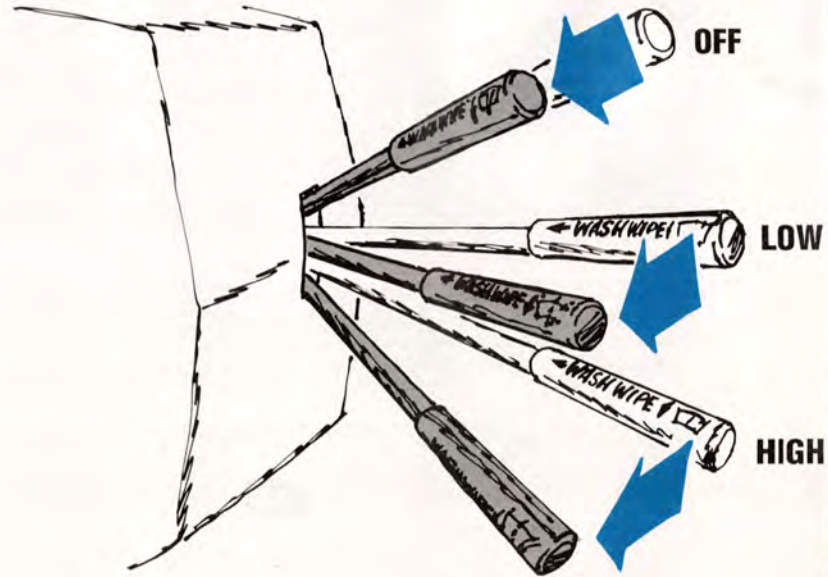
## TACHOMETER



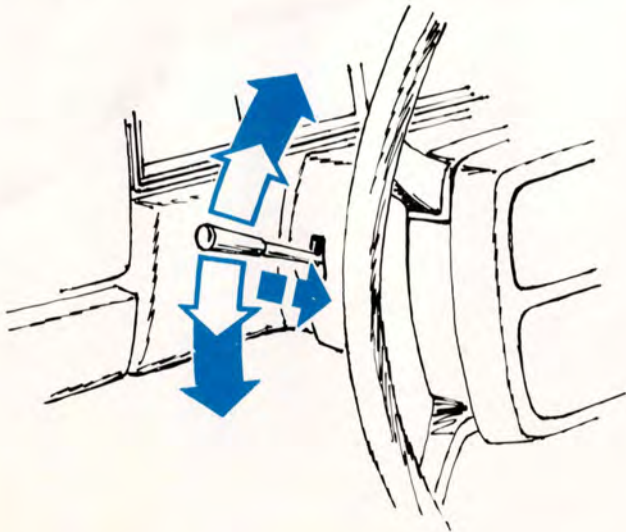
Standard on the 164E and 1800ES, and optional on 140 Series models, the tachometer enables the driver to measure engine speed for better performance, economy and efficiency. Use the gear giving the lowest engine speed for best economy. Best performance is obtained above 3500 rpm. Keep the engine speed below the red line, where horsepower begins to fall off and to avoid overstressing the engine.

## WASHER/WIPER

Push the lever down for low speed wipers, down again for high speed wipers. Pull the lever towards you in the off, low and high speed positions to activate the washers.



## TURN SIGNALS HIGHBEAMS



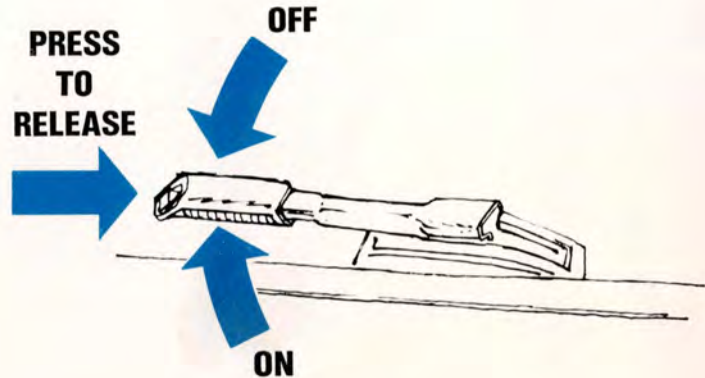
Push the lever *all the way* up or down to indicate a turn. To indicate a change of lane, push the lever *halfway* up or down and hold it until you have moved into the other lane. When you let up on the lever, it will automatically return.

To raise or dim the highbeams, pull the lever toward you and then release it.

## HANDBRAKE FOOT BRAKE

The handbrake is to the left of the driver's seat. To release the handbrake, raise the lever slightly while pressing in the catch. There is a warning light on the dashboard to remind you to release the handbrake before driving off.

Volvos are equipped with power assisted disc brakes that are activated by even the slightest pressure on the brake pedal. To avoid premature wear of the disc brake pads, do not rest your left foot on the brake pedal. Another dashboard light will warn of damage to the brake hydraulic system.





## HEATING/AIR CONDITIONING AND VENTILATION

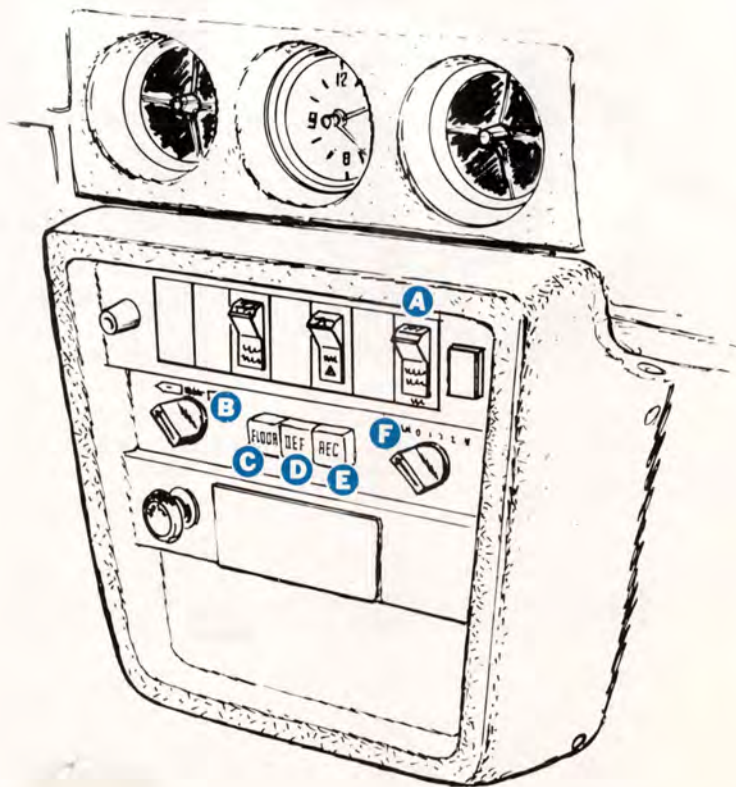
A new combined system is provided for all 164E and 140 Series Volvos. Fresh air, heated air and cooled air\* come from four fully adjustable dashboard outlets, two windshield outlets, front floor and rear floor outlets.

For *maximum* hot air, select the floor mode **C**, turn the temperature dial **B** all the way to the right and select fan **F** position 2. Close the dashboard outlets.

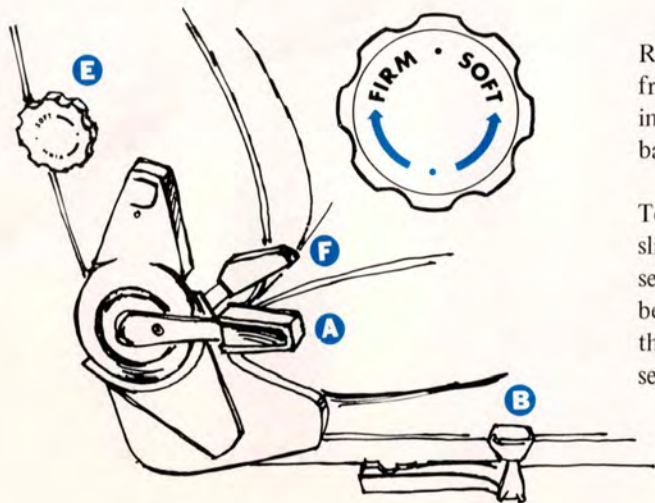
For *maximum* cold air, press the air conditioning switch **A**, select the recirculation mode **E**, turn the temperature dial **B** to the left, and select the highest fan speed **F**. Open the four dashboard outlets. When the desired heating or cooling has been obtained, reset the temperature and fan and select the floor **C** and/or defrost **D** modes to bring increased fresh air into the system.

For *maximum* fresh air ventilation, open the dashboard outlets. Use the outboard outlets for demisting the side windows.

\*The air conditioning part of this system is standard on the 164E, optional on 140 Series models.



## SEATING ADJUSTMENT

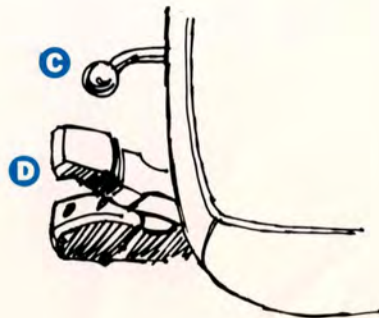


Raise lever **A** straight up to adjust the backrest from upright to a reclining position, or to any point in between. Then push the lever down to lock the backrest in place.

To adjust legroom, push down on lever **B** while sliding the seat forward or back. The 164E driver's seat can be adjusted by lifting two catches located beneath the front of the seat. Raise lever **C** to move the seat forward or back, left lever **D** to adjust seat height.

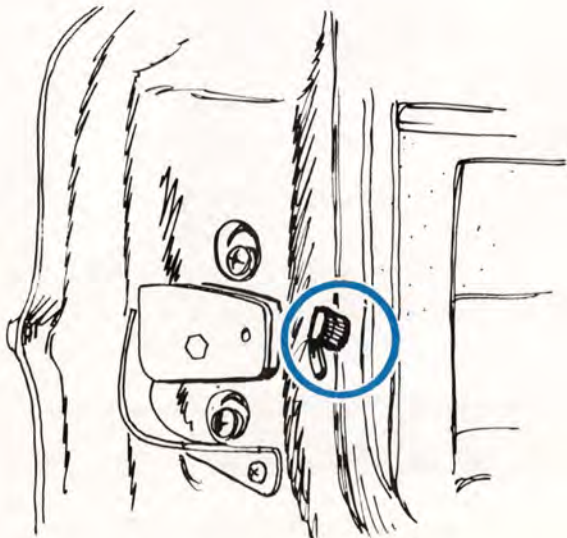
Turn the lumbar support knob **E** on the side of the front seat to adjust lower backrest firmness.

To move the backrest forward for rear seat access on two door Volvos, press down on lever **F** to release the catch.

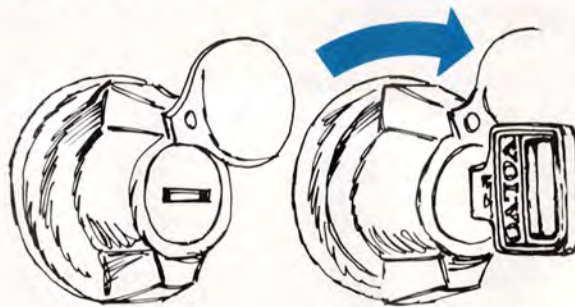


## CHILDPROOF DOORLOCK

To ensure that rear doors will not accidentally open from the inside, push the catch *down* to inactivate the inside door handle. To lock any Volvo door from the *outside*, press the regular door lock knob while lifting the outside handle as you close the door.



## TRUNK LOCK



**UNLOCKED  
POSITION**

**LOCKED  
POSITION**

The trunk can be left locked or unlocked if desired. If the trunk is unlocked, it can be opened by turning the knob to the right to release the catch.

Open a locked trunk by inserting the key and giving it a quarter turn *clockwise*. Then *remove* the key from the lock and turn the knob to the right. To lock the trunk, insert the key and give it a quarter turn *counter clockwise*.

The trunk will not unlock with the key in it, and once unlocked, it will not lock unless you use the key.

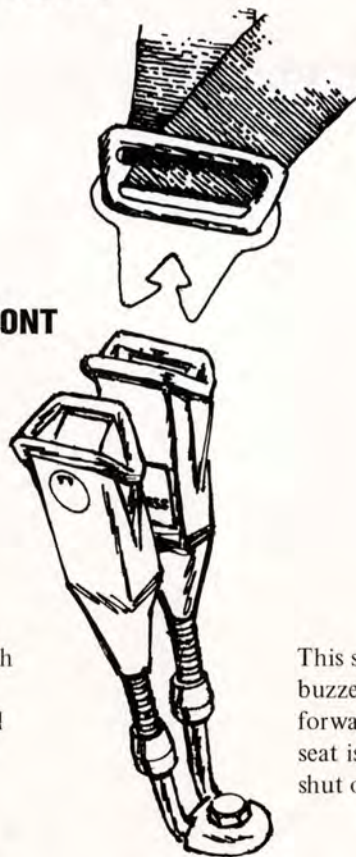


## 3-POINT SHOULDER/LAP SAFETY BELTS

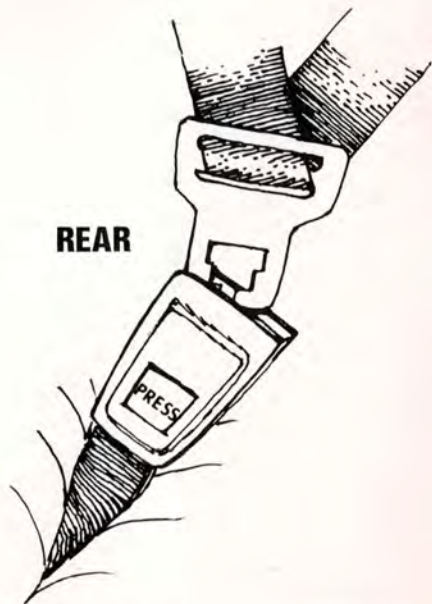
Volvo 3-point safety belts are designed to be easily fastened and comfortable to wear. These automatic adjusting belts are provided for both front and outboard rear seat passengers.



FRONT



REAR



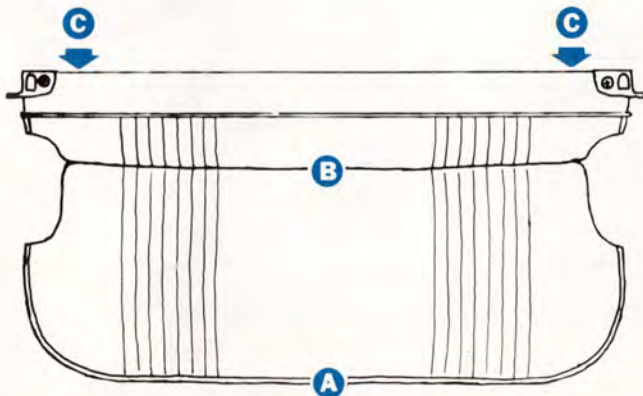
To fasten, pull the belt slowly towards your lap with your *inboard* hand. (Don't yank it; sudden force causes the belt to lock.) Then pull out an additional length of belt with your other hand and snap the buckle into the lock. *The belt will then adjust automatically.*

To release, press the red button on the side of the lock. The belt will then retract automatically.

This system includes a dashboard warning light and buzzer, activated whenever the ignition is on and a forward gear is engaged, and/or the front passenger seat is occupied. The light and buzzer can only be shut off by fastening the safety belts.

# VOLVO 145 STATION WAGON

## Folding the Rear Seat

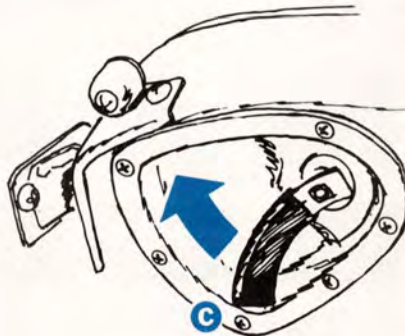


Press the seat cushion down in the front center **A** and then lift the cushion up at **B**. The seat cushion will fold forward against the backrest. Then fold the rear seat backrest down by grasping either of the handles **C** on the backrest and folding forward and down.

When you fold the rear seat up again, make sure that the latches lock in their fittings securely. Also make sure that the safety belts are accessible.

## Rear Window Washer/Wiper

To operate only the wiper, push the switch in all the way. The wiper and washer are operated by pushing the switch *halfway* in and held.



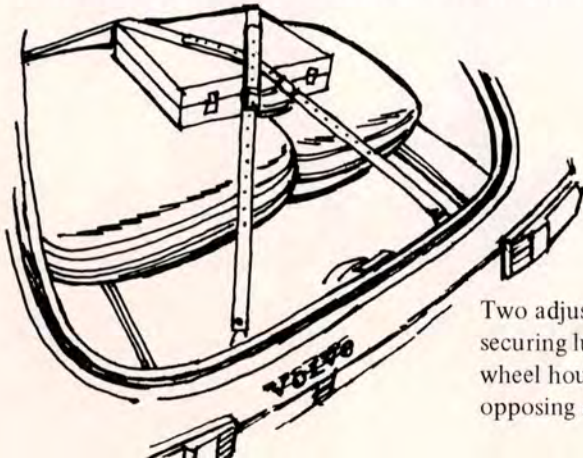
# VOLVO 1800 ES

## Opening the 1800 ES Rear Window



To open, insert the key in the lock and turn the winged knob to the left. Then raise the window. Do not remove the key until after the window has been closed. Lock the rear window only after it has been closed by turning the knob *clockwise*.

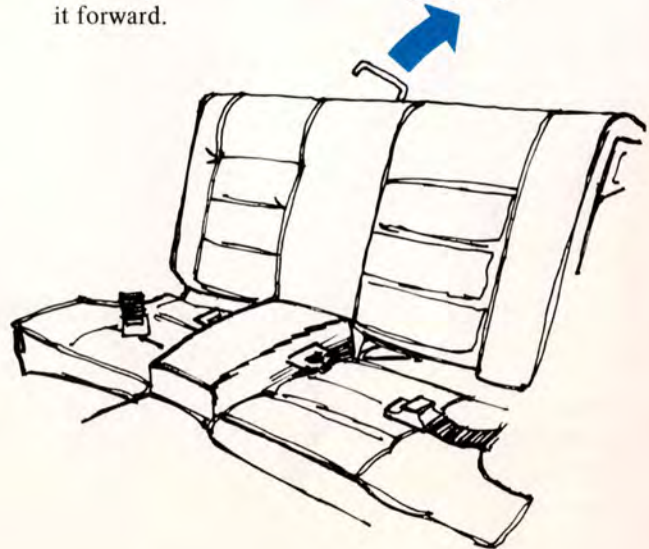
## Securing Luggage in the 1800 ES



Two adjustable leather straps are provided for securing luggage. They are anchored on the wheel housings and run diagonally across to the opposing rear corners of the luggage compartment.

## Folding the Rear Seat

Reach in from the *driver's side* and lift the handle towards you. Lift the backrest slightly as you fold it forward.





**VOLVO**