

# SECTION 10

## WHEELS AND TIRES

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### GENERAL DESCRIPTION

Corvette wheels and 6.70-15 4-ply rating tires are of the same design and operation as conventional passenger cars.

Wide base wheels are available as an option. These wheels are of conventional design but are built to take larger tires. The 15 x 5½K wheels will accept 7.10/

7.60 x 15 tires. Conventional 6.50/6.70 x 15 tires may be mounted on these optional wheels or on the standard production 15 x 5K wheels.

All service operations are the same as outlined in the 1961 Passenger Car Shop Manual, Section 3-19.

### MAINTENANCE

#### TIRE PRESSURES

To enjoy maximum service from your tires, maintain these recommended pressures:

**Starting Pressure**—24 lbs. when car has been standing three hours or driven less than a mile.

**City Pressure**—26 lbs. after driving the car three miles or more below 40 miles per hour.

**Highway Pressure**—28 lbs. after driving the car three miles or more above 40 miles per hour.

For sustained high speed operation of your Corvette, maintain front and rear cold starting pressure of 36 lbs.

#### CHANGING ROAD WHEEL

The spare and tools necessary for its installation are located in the luggage compartment.

1. Remove hub cap by prying off with pointed end of wheel wrench.
2. Loosen wheel nuts with supplied wrench, ½ turn.
3. Set parking brake. With Powerglide transmission, set selector lever on PARK and with three or four speed transmission, put selector lever in reverse. Block the wheel diagonal from wheel being changed (i.e.—if changing left rear, block right front, using brick, etc.).
4. To remove wheel, position jack under the car at the following locations.

- a. At front wheel, place jack under the front suspension, under lower control arm near the outer end (fig. 1).
- b. At rear wheel, place jack under rear axle housing near rebound strap (fig. 2).

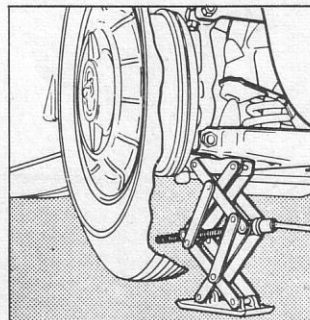


Fig. 1—Placing Jack for Front Tire Change

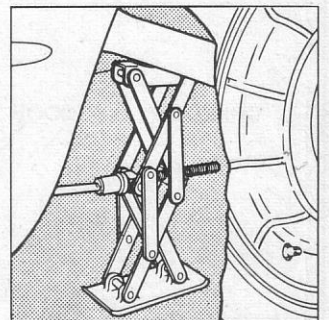


Fig. 2—Placing Jack for Rear Tire Change

5. Rotating jack handle clockwise, raise the car until tire clears the ground.
6. Remove wheel nuts and pull wheel toward you and off studs.
7. Place spare on studs and install all nuts, tighten moderately with wrench.
8. Lower jack partially until wheel just rests on ground and tighten nuts fully.
9. Lower jack completely and replace hub cap.

### SPECIFICATIONS

Refer to Section 14 for Wheel and Tire Specifications.