

# Service Shots

Number 167  
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## TIRE PRESSURES AND TREAD WEAR

### TIRE PRESSURE RECOMMENDATIONS:

### SOLO

4.00 x 18	Front - 18 pounds	Rear - 20 pounds
4.50 x 18	Front - 22 pounds	Rear - 22 pounds
5.00 x 16	Front - 16 pounds	Rear - 18 pounds

These tire pressure recommendations are made taking into consideration that the motorcycle will be ridden under normal conditions with an average load being carried. When heavier than average loads are being carried, the pressure may be increased to take care of the extra weight. When the motorcycle is being ridden at speeds above normal, the tire pressures on the 5:00 x 16 tires may be increased 2 pounds above the recommendations to obtain more stable handling on turns.

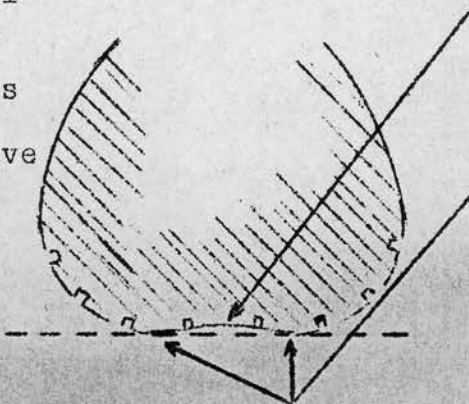
### TREAD WEAR:

The air pressure will influence tire wear. Low air pressure will cause the front tire tread to wear in such a pattern that there will be a high ridge in the center, particularly on the Goodyear-Eagle and Firestone Champion tread design. When a front tire tread has been worn to the pattern illustrated and the tire pressure is increased to the recommendations, there is very little tread area in contact with the road surface (see illustration 2) and the result will be a very unstable front end.

#### 1. Tread Wear With Tire Under-Inflated

5.00 x 16 tires that are ridden with 12 to 14 lbs. air pressure will take this shape.

Low air pressures will cause the front end to weave on turns.



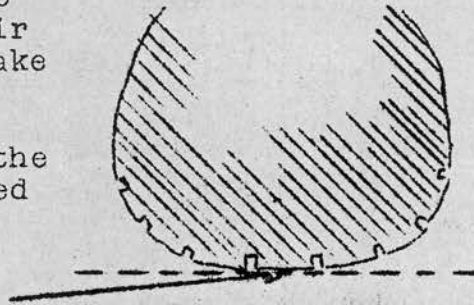
The center rib will be pushed up from the weight of the machine and rider. This rib will not wear as fast as the others.

The two ribs on either side of the center rib will wear rapidly because of the side motion or wiping action as they enter and leave the road surface.

2. Tread Condition Resulting from Under-Inflation

5.00 x 16 tires ridden with low air pressures for 2000 or 3000 miles, then inflated to 16 or 18 lbs. air pressure will take this shape.

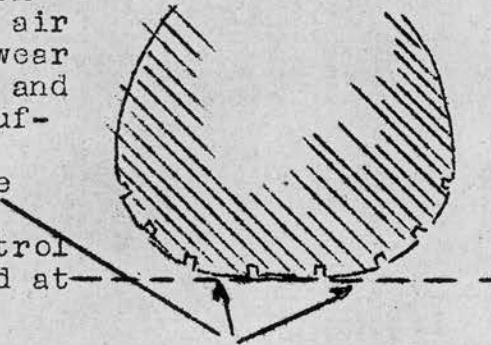
NOTE: Most of the weight is carried on center rib.



When there is very little tread area in contact with the road surface, the front end will be very sensitive and have a tendency to weave, particularly when riding on straight roads.

3. Normal Wear with Tire Properly Inflated

5.00 x 16 tires that are run with the recommended air pressures will wear reasonably even and there will be sufficient area in contact with the road surface to assure good control of the front end at all speeds.



The tires in which the recommended air pressures are maintained will handle well at all speeds on straightaways and turns. Therefore it is IMPORTANT that you check your tire pressures at least every 200 miles.

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Service Manager