

WHEELS

General

Wheels are slotted disc wheels with drop center rims.

Rims size is: $4\frac{1}{2}$ J x 15 for all types.

Tire size is, for vehicles with engine:

356 B/1600 Normal	} 5.60 – 15 Sport
356 B/1600 Super	
356 B/1600 Super 90	} 165 – 15
356 B/1600 GS Carrera	
	} Braced - tread tire

For increased driving safety and economy of operation proper care of tires and wheels is essential.

Hints

1. Bolt disc wheel to brake drum properly.
2. Adhere to the specified tire pressure.
3. Check tires for damage and signs of wear.
4. Balancing of wheels.
5. Check alignment periodically (See Group R).

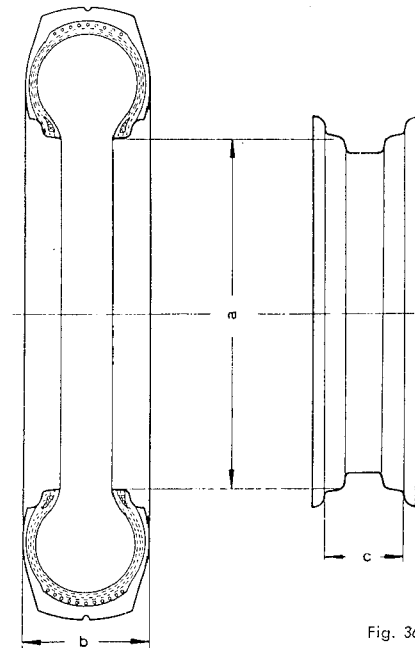


Fig. 36

- | | |
|----------------------------|-----------------|
| a) Nominal diameter of rim | 15" = 378,8 mm |
| b) Tire width | 5.60" or 165 mm |
| c) Rim width | 114,3 mm |

Changing the Wheels

19 Ti

Removing the Wheels

1. Pull parking brake.
2. Remove hub cap on disc wheel.
3. Loosen 5 retaining nuts for disc wheel using wheel nut spanner.
4. Insert jack lifting arm in opening on the side at the bottom of the car. Base of jack should rest on level ground.
5. Jack up car.

6. Loosen wheel nuts and remove wheel.

Mounting the Wheels

Proceed in reverse order, observing the following points:

1. Tighten nuts lightly. Care must be taken that the nuts fit properly and that their hemispherical end fits centrally in the socket formed in the wheel.
2. Lower car to ground.
3. Tighten nuts diagonally, always skipping one, to 13 mkg (105 ft. lb.).

Renewing Broken Spring Clamps

1. Remove wheel (19 Ti).
2. Chisel off remainder of spring clamp and rivet head and remove remaining part.

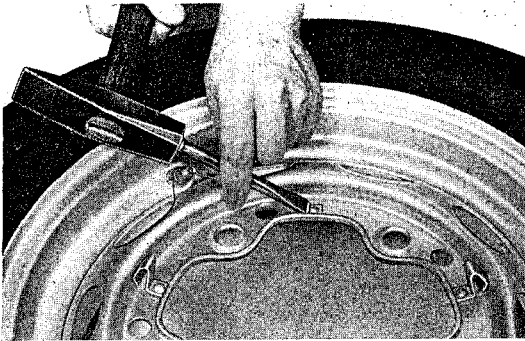


Fig. 37

3. Place mandrel and rivet seat (4.5 x 7 DIN 660) in vice and slip on half round rivet and spring clamp.

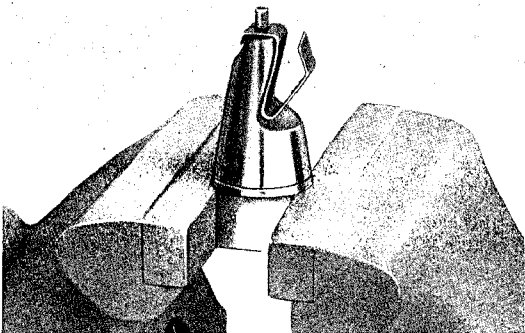


Fig. 38

4. Place wheel in horizontal position – its outer side facing downward – so that rivet aligns with respective wheel hole.

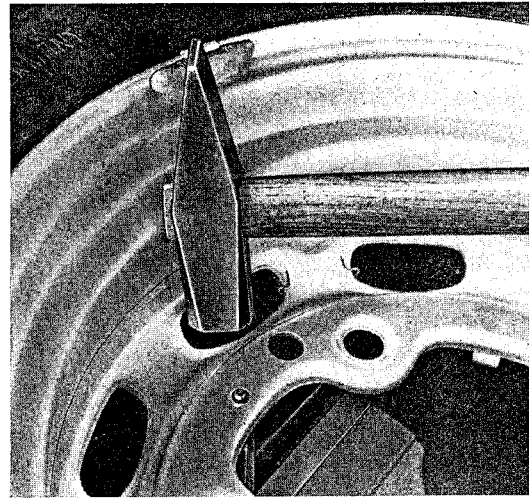


Fig. 39

5. Rivet spring clamp to wheel.

6. Paint spring clamp and rivet on both sides of wheel.

7. Fit wheel and tighten bolts.

Damaged Rims

Slight damages to rims, in particular to rim edges, can usually be remedied without causing difficulties. Heavy damage – e.g. caused by an accident – necessitates replacement of the rim. In any case where damages to the rims are encountered, the rim must be subjected to a thorough check-up for vertical and lateral out-of-true,

(Max. permissible tolerance: Damage to top edges .0691" (1.5 mm); Damage to side .07874" (2 mm). Check at edge of rim.

In every case of wheel repair where repaired rims are reused, check for correct static and dynamic balance.

Repair of twisted rims is not permitted and should not be attempted.