

Section L (Wheels and Tyres)

The original degree of balance is not necessarily maintained in service, as it may be affected by uneven tread wear, by cover repairs, or by tyre removal and replacement. Normal wear of moving parts may also render the car more sensitive to unbalance.

Rebalancing of tyre and wheel assemblies should be carried out with the aid of approved equipment capable of measuring both static and dynamic balance.

Dunlop "SP" or Radial Ply Tyres

On cars fitted with Dunlop "SP" or radial ply tyres, the roadwheels must be balanced every 10,000 miles (16,000 kms.), or every 5,000 miles (8,000 kms.) if operated for continuous high speed driving.

RIMS AND DUNLOP "SP" OR RADIAL PLY TYRES (Fig. 4)

Dunlop "SP" tyres may be fitted as original equipment and **always on** wide section 4½ x 12 rims.

As Dunlop "SP" or any other radial ply tyres must **not be fitted** to the 4J x 12L rims, which were original equipment on earlier cars, it is imperative that before this type of tyre is fitted, the rim width is measured to ensure that it is of the **wider** type.

A cross section view of both rims is given in the illustration and shows the wider rim for the Dunlop "SP" or radial ply tyre at "A".

TYRES—REMOVAL AND REFITTING (Fig. 4)

Two types of rims have been used and they are as follows:—

A. The wider 4½ x 12 rim, fitted to later cars. When a tyre is fitted, this rim can be recognised by the inclined side face of the rim well on the "non-valve" side. Tyres must always be removed and refitted from the "non-valve" side when the smaller bead seat, marked by a "star" in the illustration, will facilitate both operations.

B. The 4J x 12L rim, fitted to earlier cars and all vans. When a tyre is fitted, this rim can be recognised by the rim well having symmetrical side faces. Tyres must always be removed and refitted from the "valve" side when the smaller bead seat, marked by a "star" in the illustration, will facilitate both operations.

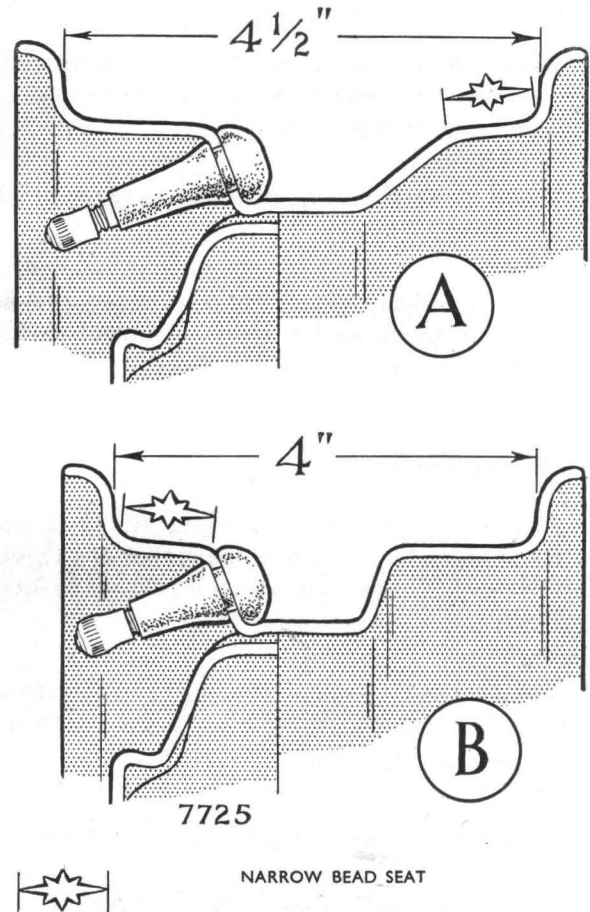


Fig. 4. A cross section view of the rims showing where the width is measured and the side having the narrow bead seat from which side the tyre must always be removed and refitted.

- A. The wider 4½ x 12 rim which **must always be used** when Dunlop "SP" or radial ply tyres are fitted. The narrower bead seat is seen on the "non-valve" side and it is from this side that the tyre must be removed and refitted.
- B. The 4J x 12L rim to which **only** the Dunlop "C41 Gold Seal" or similar tyre must be fitted. The narrower bead seat is seen on the "valve" side and it is from this side that the tyre is removed and refitted.