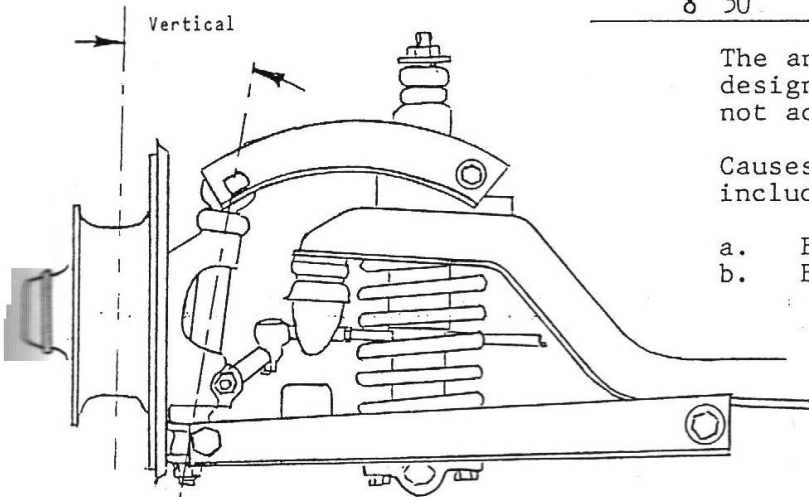


KING PINS

King Pin Inclination (KPI)

Estelle/Rapid with 13 inch wheels  $8^{\circ} 30'$   
 14 INCH WHEELS  $7^{\circ} 45'$



The angle is fixed by the design of the stub axle and is not adjustable.

Causes of out of tolerance include :

- a. Bent stub axle
- b. Bent or worn King pin bushes

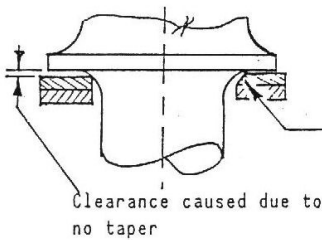
Pins and Bushes

The Estelle/Rapid Kings Pins are 18mm diameter.

The bushes are of a nylon type, but normally require reaming using MP6-114.

*The two lower bushes part number 111 428 050 have an outer diameter of 20mm. Since May 1976, there has been one bush part number 113 428 050 with an outer diameter of 21mm. (The bush is to be used to replace the two bushes of the pre 1976 axles). MP6-135*

Top Thrust Washer



Clearance caused due to no taper

When replacing the top thrust washer cut a taper to accommodate the radius next to the head of the King Pin.

Adjustment

- A. Tighten lower King Pin nut to obtain clearance of 0.05mm between King Pin head and thrust washer.
- B. Tighten a further  $\frac{1}{10}$  flats of the nut. This should give approximately 2Kg (4.4lbs) pull off on the pitman arms.

