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**Question:**

**Explain with neat sketch working principle of epicyclic gear train.**

**Answer:**

In single, Compound reverted gear trains the axis on which gears are mounted are fixed relative to each other. In case of epicyclic gear train the axis of shaft on which the gears are mounted may have relative motion between them.

Gear 'A' and arm 'C' rotate about fixed axis. The gear 'B' rotates about axis 'S' and also about arm 'C' which in turn revolves about fixed axis through 'R'. The gear 'A' and 'B' are simple gear train when arm 'C' is fixed. ()

