

J2 TECHNICAL ARTICLE

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Resource: The M.G. Car Company Ltd.
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SERVICE INFORMATION SHEET NO. 22 - FITTING CRANKSHAFT FRONT END BALL RACE

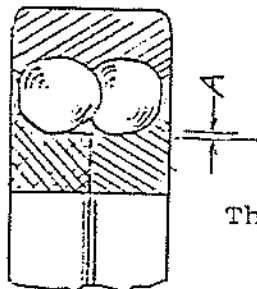
The front crankshaft journal on M., D., F., and J. Type models is a double-row ball race having a split centre ring.

Some difficulty has been experienced in our Service Department due to the race being fitted into the front bearing housing in reverse way round to that intended.

From inspection it will be seen that one half of the centre ring has a slightly smaller outer diameter than the other, at the adjoining faces. The sketch below, representing a section through the race, will explain this matter, the difference in the radii of the half rings at the adjoining faces being shown as dimension 'A'

The race must be fitted with the smaller diameter half center towards the front of the engine.

Although the efficiency of the race is unimpaired whichever way round it is fitted, it will be appreciated that if it is fitted in the reverse position the removal of the front bearing housing will leave the half ring in position on the crankshaft, when the balls will naturally fall into the sump.



This side toward
front of engine

This side toward
rear of engine