



## J2 TECHNICAL ARTICLE

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### SERVICE INFORMATION SHEET NO. 16 - CRANKSHAFT OIL DUCT PLUGS

It is the utmost importance that crankshafts are balanced to a fine degree, both statically and dynamically, to eliminate bad vibration, harshness and periods in the power unit.

Great care is taken with the crankshafts fitted to our engines, and for this reason it is as well to draw attention to the plugs that seal the oil ducts.

After an engine has been in commission for some time and an overhaul is necessary, the crankshaft oil duct plugs have to be removed to enable the oil duct to be thoroughly cleaned and all sludge to be removed. It very often happens that these plugs are damaged on removal, and therefore have to be replaced by new ones. This is where great care is necessary, as plugs of two materials are used, steel and aluminium, depending entirely upon which is necessary for the balancing of the crankshaft. If steel plugs are replaced where aluminium plugs are removed the balance of the crankshaft will be seriously affected.

In addition, the length of the new plug must coincide with the length of the old one.

It is always advisable to have a supply of both plugs readily available, to prevent any possibility of fitting the wrong type plug.