



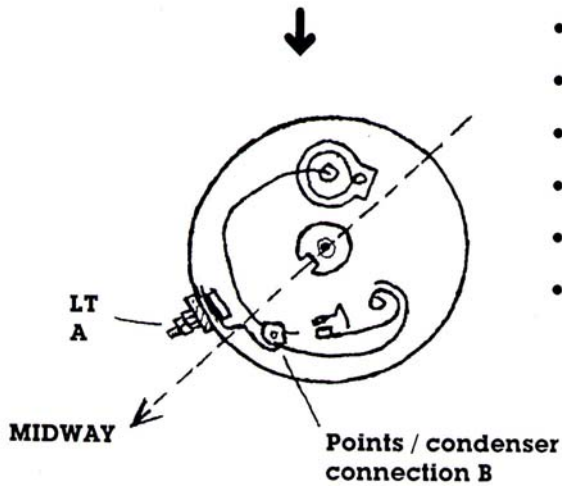
Data Sheet No. 16

Subject: Fitting a Distributor Dog

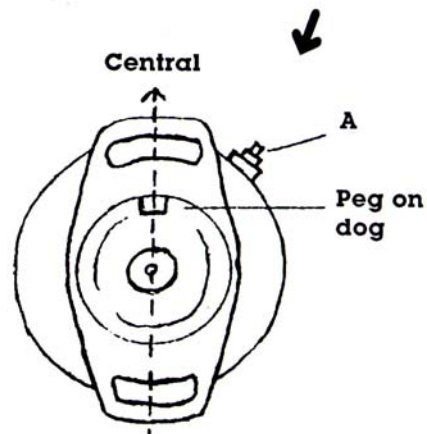
Date: 1966

A Lucas exchange distributor is supplied **without** oil seal, dog or dog washer. A new oil seal must be purchased, but the old dog and dog washer are used. The shaft is **NOT** drilled in any way to take the dog ... and the dog **MUST** be positioned accurately for the ignition timing. Lucas drilled dogs are pinned with a taper pin ... but if your dog has already been used, you may find the existing hole in it a little enlarged ... and in this case you can drill with an ordinary 1/8" drill, and fit a pin made of 1/8" silver steel rod. Fit the oil seal with the *spring in it towards the engine end* by pushing it in with the dog and washer. **DON'T** forget the washer!

Set the top of the distributor to look so:



- Then turn it over and locate the dog so:
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As the dog can be fitted either way up ... it follows that depend on which way it is fitted ... the plug leads may or may **not** be fitted to the same plug as they were before. So if on kicking the machine over, all you get is a backfire, or a spit through the carb., merely change over the leads. The normal, and the Lucas, procedure is to fit the dog the way up as in the drawing above.

On an engine in good condition, with a good timing chain, and a distributor in good condition with the dog fitted as above, it should run **CENTRAL** on the slots, but starting from this position, it can be adjusted either way.

Should your dog have a grossly enlarged hole in it, too large for a 1/8" pin, do not drill oversize. Merely drill across the dog the **OPPOSITE** way to the original hole.