

GENERATOR MODIFICATION FOR TACHOMETER DRIVE

Generators with the tach drive connection are now extremely rare. The solution is to locate and convert generators of suitable type and this can be done for both the TC and late TD/TF units.

For the TC, first find a generator with the serial number C39, C40, C45. Dismantle the generator by removing the long screws/bolts from the driving end and part the generator into sections so that the armature and the end plate with brushes are free and can be handled for the tasks ahead.

First the armature has to be extended so that tachometer drive can be fitted. This is best done by boring in a lathe an 8mm or 5/16" hole in the end of the armature shaft and threading this internally. Then make up, also in a lathe, an extension piece as detailed on the drawing, not forgetting the keyway. Have a tacho reduction box handy to make sure sufficient clearance is available in the drive fit.

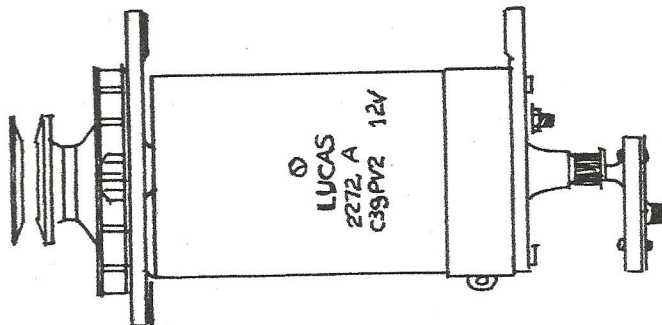
Now the generator driving end plate can be modified.

- Remove the end cap, felt seal and bush.
- Replace the bush with a special long bush made with an external thread 3/4" diameter 26 tpi to take the tacho reduction box coupling.
- Fit the bush, not forgetting to drill a small 1/8" hole for the lubricator and refit the original Lucas oiler.

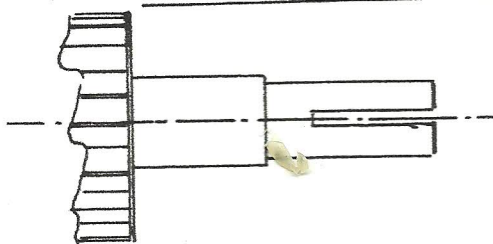
The end result is entirely satisfactory.

(Original idea from SQUARE FRONT - Magazine of the T-Type owners of Holland.)

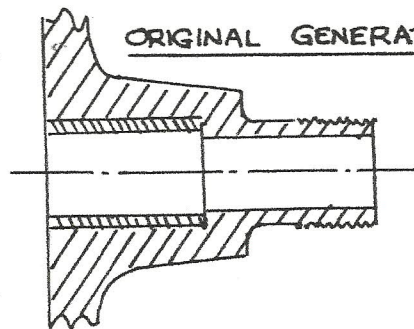
CONVERSION OF GENERATOR TO ACCEPT T-TYPE TACHO DRIVE.



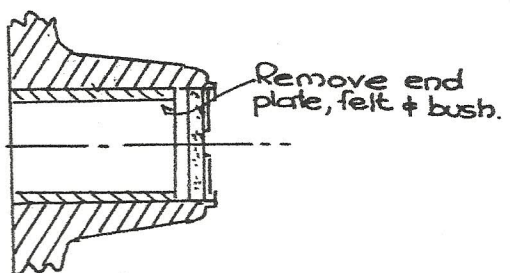
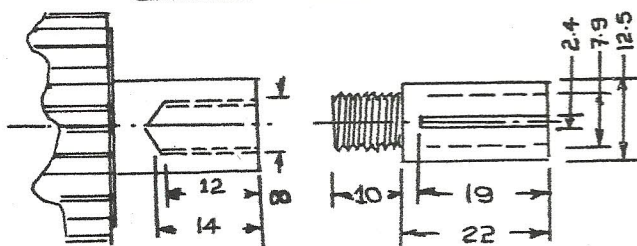
ORIGINAL ARMATURE END.



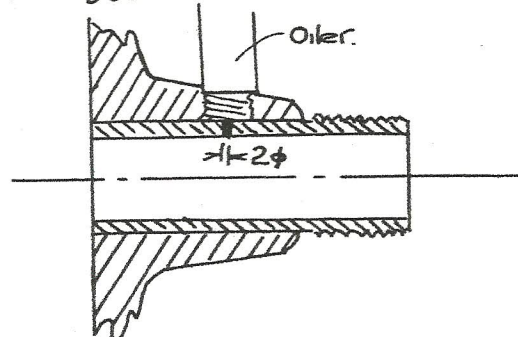
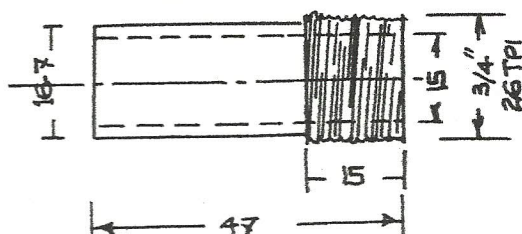
ORIGINAL GENERATOR END.



DETAIL OF EXTENSION DRIVE



DETAIL OF BUSH



Note. All dimensions in mm unless shown.