

TORQUE WRENCH SETTINGS MORRIS EIGHT 1934-38

A few observations from my own experience

These cars come from an era when published torque settings were a rarity, and in many cases it was not considered necessary.

Some torque settings were made available for the Series E cars onwards, and providing all components are in good condition, that studs and nuts are either in excellent condition or have been renewed with correctly specified replacements, these should be perfectly acceptable to the 1934 to 38 cars.

Figures assume light oiling of the threads and are to the nearest whole number in lbs/ft (pounds/foot) :-

Series E

Cylinder head	44
Connecting rod	27
Gudgeon pin	13
Main bearing	42
Flywheel	42
Manifold	29

Torque settings are calculated to obtain an acceptable maximum tightening for a given diameter and pitch of thread. They are also dependent on the materials used both for the nut/bolt and the component itself. In addition, I personally believe that in many cases (for example the cylinder head nuts), the actual specific torque wrench figure important though it is, is of less concern than obtaining evenness of tightening down. Evenness and consistency is difficult with normal hand tools, especially if tightening inaccessible nuts and bolts

Apart from the above, as far as I am aware no torque wrench settings exist for the Morris 8, even for what I consider to be important components such as brakes, steering and suspension. I tighten all these using either a socket set with an 8 inch bar, or standard length spanners as reasonably hard as I can without additional leverage. Not very scientific but it seems to work. And many of the nuts in question are split pinned, wired, tabbed or use shake proof washers for added security.

And what about wheel nuts? I tighten them as hard as I can with the Morris Tool Kit wheelbrace, then apply the socket set and tighten a little more for peace of mind.

Information Required.

As always, further information and comments would be appreciated. Should anyone have any additional torque figures, or have calculated their own, I would be most interested to hear from you.

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