

Lagondaforum: LG45 pivot pins

LG45 pivot pins

Written by peter weir at Jan 07, 2011 11:52 pm

I bought rear spring front pivot pins(SSPX07) from the Club some while ago to replace worn ones on my 1935 LG45 DHC (very early 12008 and may have been a 'parts bin' car using some none standard bits) The old nuts don't fit and I'm having difficulty in finding the threads size to fit. Pivot pin thread measures 0.623" with 20tpi. 5/8"BSF are 14tpi and 5/8"UNF are 18tpi. (UNF thread with Whitworth/BSF hexagon heads were I understand popular with Lagonda.) The only other alternative would be a slightly undersize 16mm (0.6299") with 1.25mm (0.0493") pitch. Very close but I can't locate any 16mm x 1.25mm nuts. Any ideas on alternative thread options or small quantity nut suppliers (2off nuts required)

Re: LG45 pivot pins

Written by DavidLG45 at Jan 08, 2011 10:38 am

Hi Peter,

Namrick (<http://www.namrick.co.uk>) sell BSF and UNF 5/8 inch nuts etc. You can order online.

David

Re: LG45 pivot pins

Written by peter weir at Jan 08, 2011 3:43 pm

Hi David

Thanks for your reply but neither 5/8"BSF or 5/8"UNF are the correct tpi for the pin. If I can't find the correct thread I'll take them out again and die them down to 1/2"UNF but it's just odd to produce pins (without nuts) which don't seem to be a standardised thread. Handy to know suppliers as living up in the North of Scotland has its supply problems.

Regards

Peter

Re: LG45 pivot pins

Written by DavidLG45 at Jan 08, 2011 4:48 pm

Peter,

Sorry, misread your post. 20 tpi would be British Standard Cycle (BSC).

See thread chart: http://www.classicmotorcycles.org.uk/technical/technical_thread_size_chart.htm

<http://www.stainlessmiddleton.co.uk> do stainless cycle nuts but I assume you need slotted or castle nuts, which they don't do.

I suppose if you had access to a milling machine you could slot plain nuts yourself.

David

Re: LG45 pivot pins

Written by peter weir at Jan 08, 2011 11:46 pm

Hi David

Had a look at the thread chart and it looks a firm favourite.

I'd looked in my Machinery's Handbook (1934 - goes with the cars) but could find no reference to the cycle threads.

Checked the stainlessmiddleton web site and they have them in various thickness so I'll check in the morning and get a couple ordered. Slotting no problem on my milling m/c.

Many thanks for your help.

Peter

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Re: LG45 pivot pins

Written by Colin M34 at Jan 09, 2011 12:22 pm

Hello Folks,

The Lagonda Company were very fond of using 20 TPI threads. Fortunately the ever-helpful Tracy Tools (01803-328603) pride themselves in supplying taps and dies in all sorts of non-standard threads. They tell me they do a lot of business with bikers so understand cycle threads very well.

Colin M34

Re: LG45 pivot pins

Written by peter weir at Jan 16, 2011 8:06 pm

Hi Colin and David

The 5/8" x 20tpi cycle thread nuts arrived next day, but I've still got problems. I tried fitting it today and it won't go on even one thread and firms up. I checked the pitch to make sure they had sent the 20tpi and not the 26tpi but it is OK.

I'm just re-fitting the steering box and column and noticed the clamp bolt holding the column support to the bulkhead bracket is also 5/8" x 20 tpi so I tried the new nuts onto the clamp bolt and they went on fine! The nut for the clamp bolt won't go on the pivot pin which leads me to suspect that the pivot pin is not

cycle thread. It is certainly 5/8" x 20tpi but could be the thread form is different.

Any idea who in the Club might hold the drawings/specifications for the various items the Club gets re-manufactured who might be able to confirm what the thread was supposed to be.

Regards Peter

Re: LG45 pivot pins

Written by DavidLG45 at Jan 17, 2011 12:05 pm

Hi Peter,

That's weird. As you say, someone in the club must know.

David

Re: LG45 pivot pins

Written by petemick at Jan 17, 2011 5:26 pm

The 20TPI cycle thread of 5/8 inch diameter bolt had a core dimension of .5719 perhaps your bolts have a slightly shallow thread depth and the nut is binding on the bottom of the thread. A similar problem could apply to a shallow thread on the nut but I doubt that.

Re: LG45 pivot pins

Written by Brian Savill at Mar 18, 2011 7:38 pm

Hi. Sorry this reply is a little late.

Drawing for SSPX07 states thread to be 5/8 20 T.P.I.

Regards,

Brian.
