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1	Supplemental Information
2	for
3	461-571 or 22H54K Laygear Kit
4	MGA, MGB 62-65 (3-bearing laygear)
5	
6	The factory designed the
7	laygear to be supported by
8	two groups of 20 loose needle
9	bearings. This bearing
10	arrangement was replaced by
11	sets of 12 caged roller
12	bearings. In effect, this
13 14	reduced the number of needles in contact with the
14 15	layshaft because the cage
16	takes up some room. This in
17	turn increased the load on the
18	layshaft considerably. Much
19	has been written on how to
20	deal with the situation, from
21	adding more caged bearings
22	to fitting an MGB gearbox.
23	Our English Division. Moss Europa, has some up with a solution that goes hack to loose poolle rollers
24 25	Our English Division, Moss Europe, has come up with a solution that goes back to loose needle rollers. The laygear is fitted with two sets of 20 needle rollers, each one being 3mm in diameter and 29mm long.
26	
27	This effectively doubles the number of load bearing needles from 4 to 8 at each end and, because they are
28	much longer, these needles distribute the load over a larger area on the layshaft. This is all well and good,
29	but it makes the assembly process more complicated. And this is where years of experience make the
30	difference.
31	
32	The new laygear kit uses a special spacer in the middle to separate the two sets of needle bearings, and we
33 34	install the spacer and the bearings for you. To hold the needles in place, we use a dummy layshaft which is long enough to allow the front thrust washer to be fitted as well. A new layshaft is also included in the kit.
35 35	All in all, this is as close as we can get to a "drop-in installation". If you are looking for a new layshaft &
36	laygear, this kit provides a solution to a long standing problem.
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42	Although every effort has been made to ensure the accuracy and clarity of this information, errors and/or omissions on
43	our part are almost inevitable. Any suggestions that you may have that will improve the information (especially detailed installation notes) are valored. Plags use the simple amail form on the "Contrast Ur" page on the Moss
44	detailed installation notes) are welcome. Please use the simple email form on the "Contact Us" page on the Moss website: <u>http://www.mossmotors.com/AboutMoss/ContactUs.aspx</u>
	If you prefer, you may call our Technical Services Department at 805-681-3411. So many people call us for help that
	we are often not able to answer the calls as fast as we'd like, and you may be asked to leave a message. We apologize
	in advance for the inconvenience. We will get back to you within 2 business days.



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