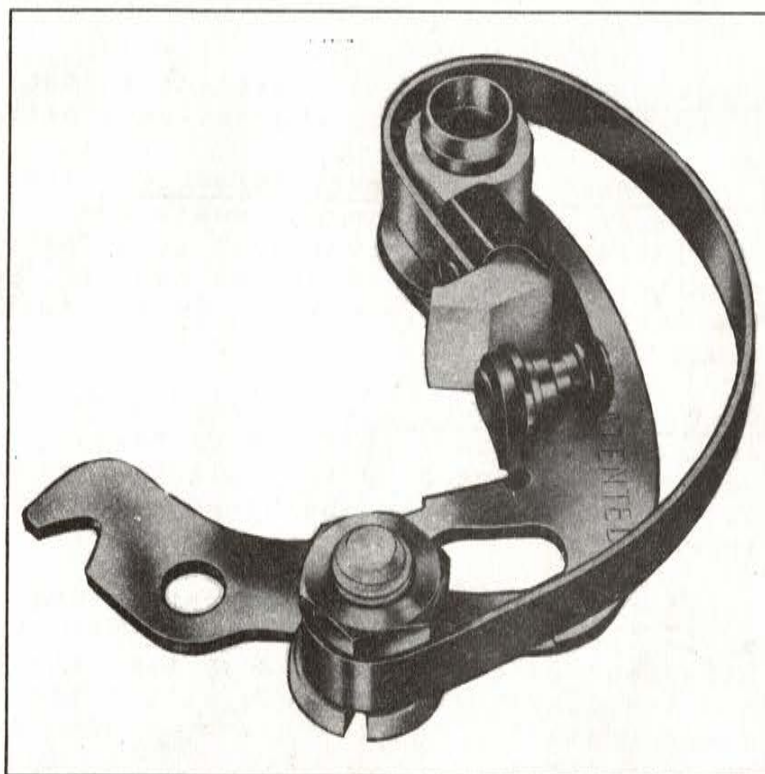


SB/IG/104 HOME

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QUIKAFIT CONTACT SET



INTRODUCTION

The Quikafit Contact Set is of one-piece "unitised" construction and is suitable for the 25D range of distributors. It will directly replace the Lucas standard set, Part No. 423153, and the higher performance set, Part No. 54413568. At present the Quikafit is offered as a service replacement, but it is shortly to be included in production distributors.

The whole assembly is mounted on one angle plate. The heel is accurately moulded from Kemetal, a hard-wearing plastic material.

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A nylon moulding, threaded at the upper end to accept a metal 2BA nut is used to clamp the low tension and condenser leads to the stainless steel C.B. tension spring and thus to the moving contact.

Note: The plastic thread of the nylon moulding gives perfect insulation. To prevent overtightening the 2BA nut should be screwed finger tight and then given half a turn with a spanner. Stripped threads will not constitute grounds for guarantee replacement.

ADVANTAGES

1. Compact Construction - one-piece instead of the 6 separate pieces in the conventional set.
2. Less Chance of Incorrect Assembly - insulation washers on the CB pivot and anchor posts are not now required. Insulation for the pivot post is afforded by a small protrusion on the base of the contact heel, whilst the terminal post insulation is the threaded nylon moulding.
3. Self Cleaning Action - moving contact is domed and smaller than the flat fixed contact. The cleaning action is afforded by very slight contact 'shuffle' at the point of make and break. Contact life is increased.
4. Contact Alignment - set accurately during manufacture of the assembly and needs no further attention. Correct alignment is established when the smaller moving contact has its diameter completely within the diameter of the fixed contact. The two contacts need not necessarily be concentric.
5. Elimination of Contact Bounce - due to the use of lighter weight materials, the low inertia construction allows much higher speeds to be reached before contact bounce occurs. Better ignition performance at high speeds is obtained giving a wider range of possible applications. (Hence the Quikafit will also replace the higher performance (32 oz.) set).
6. Stable Contact Settings - the tip of the heel is convex and hard wearing, improving cam/heel alignment. Less wear on the heel, allied to the self cleaning action, ensures stabilised contact point settings thus providing better ignition performance for a longer period of time.

Notes

1. Engine Timing - After fitting a contact set the engine timing should be rechecked according to the vehicle manufacturers recommendations to obtain peak performance.
2. Oscilloscope Diagnostic Testing (Crypton, Laycock, Sun Etc.) - A common feature with the Quikafit Contact Set, when tested on an oscilloscope, will be an area of 'hashing' or 'grassing', at the point of contact closure. This is due to the self cleaning 'shuffle' action.

With previous contact sets this 'hashing' was considered a sign of dirty or burnt contacts but with Quikafit this is not the case. However, if the 'hashing' is excessive the contact points should be visually inspected and cleaned or replaced as necessary.

3. B.M.C. Mini Cooper 'S' - The standard contact set fitted to all versions of the Mini Cooper 'S' can be replaced by Quikafit.

MAINTENANCE

1. First 500 Miles (800 km) - Check the contact point gap. Limits 0.014" - 0.016" (0.35 mm - 0.40 mm).
2. Every 6,000 Miles (9,600 km).
 - (a) Inspect the contact points. Clean as necessary using fine emery cloth or fine carborandum stone.
 - (b) Dismantle the contact breaker and very lightly smear the pivot post with Retinax 'A' or equivalent grease.
 - (c) Reassemble contact breaker and adjust. Recheck settings on each cam lobe.