

Part No. 5037

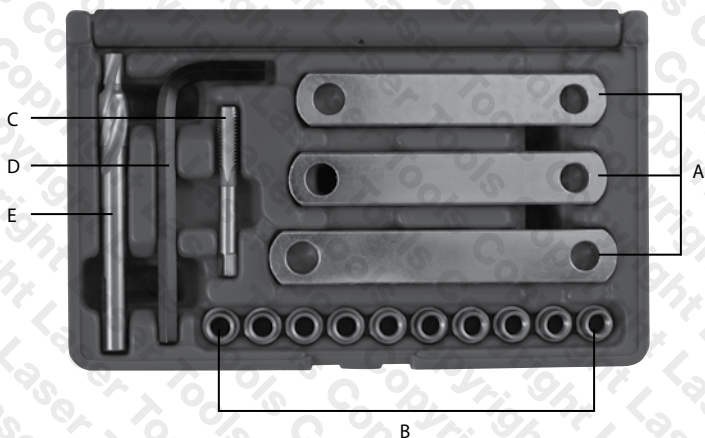
LASER[®]

Brake Caliper Guide Thread Repair Kit



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Components



Ref.	Code	Description
A		Positioning bars (x3) Volkswagen Audi Group General Motors Ford
B	5038	Threaded inserts (x10) - Spares available
C	0253	Thread Tap 9 x 1.25mm
D		Hex Key (7mm)
E	0182	Special Core Drill

This kit has been designed to repair the caliper guide pin threads in the caliper mounting by using heavy duty high grade steel inserts.

The brake calipers used on the vehicles listed all use single piston sliding calipers on the front where the caliper slides on 2 steel pins that screw into the caliper mounting through rubber bushes on the caliper.

In order to remove the caliper, the pins need to be unscrewed which often pulls the threads out of the mounting.

This kit allows these threads to be repaired using the thread inserts supplied.

There are 3 positioning bars, the user must select the correct positioning bar that aligns perfectly with the mounting being repaired. Each positioning bar has 2 holes of different diameters. The larger diameter hole slides over one of the positioning pin whilst the smaller hole is used as a drill guide.

Applications:

Volkswagen Golf MkIV | Beetle

Seat Exeo Estate ST 170

Ford Focus | C-Max

Vauxhall Astra-G

Instructions

One thread pulled

1. Remove wheel, disc, caliper and caliper mounting bracket (in some cases the caliper mounting is cast into the hub).
2. Clean the caliper mounting and place in a bench vice so as to allow drill access to the threaded pin holes.
3. If only one threaded hole has pulled (stripped), ensure the good thread is clean by running the 9 x 1.25mm tap through the thread (tip: put a small amount of grease on the tap to lubricate the tap and catch any metal fragments).

NB:- only one of the holes in the positioning bar will be big enough to slide tightly over the pin.

4. Ensure the second hole in the bar aligns perfectly with the hole to be drilled.
5. Using the second hole of the positioning bar as a guide drill the remaining thread out of the mounting. The special drill bit is a double diameter drill that will initially drill out the damaged threads then drill out the mounting to allow the threaded bushes to push in to the mounting.
6. Ensure you have drilled all the way through the mounting as the threaded bushes need to be inserted from the other side of the mounting.
7. Using one threaded insert (complete with copper washer) smear a small amount of thread lock onto the outside of the bush and push it into the drilled hole on the mounting. It will be an interference fit.

N.B. ensure the bushes push in from the opposite side of the mounting to the side the pins come in from. This is to allow the pins, when tightened, to pull the bushes fully home and to ensure they can not come out during service.

8. Using the caliper pins and 7mm Hex key tighten the pins to pull the bushes fully home.
9. Remove the pins and re-assemble the brakes.

Both threads pulled

10. Where both threads have pulled, drill the first thread relying on the special core drill to centralise on the first hole, fit the first threaded insert as described and insert the pin.
11. Mount the positioning bar on the first pin and use the bar to correctly align the second hole to the first.
12. Continue as above.

Safety Warnings - please read

- Always wear gloves, safety goggles and safety boots
- Ensure all components are assembled correctly with copper washers in place
- Ensure correct positioning bar is used
- Always lubricate the tap with grease when cutting threads
- It is strongly advised the caliper mount Hub be removed from the vehicles before drilling.



Safety First. Be Protected.

Disclaimer

- The 5037 kit has been designed for professional use.
- It is assumed the user will know and follow all best practice procedures for the use of drills and taps.
- Working with vehicle braking systems is a specialist job that requires specialist knowledge.
- The Tool Connection will not accept responsibility for damage or personal injury caused by the use of the 5037 kit how so ever caused.

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If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



When you have finished with this toolset please recycle it

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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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