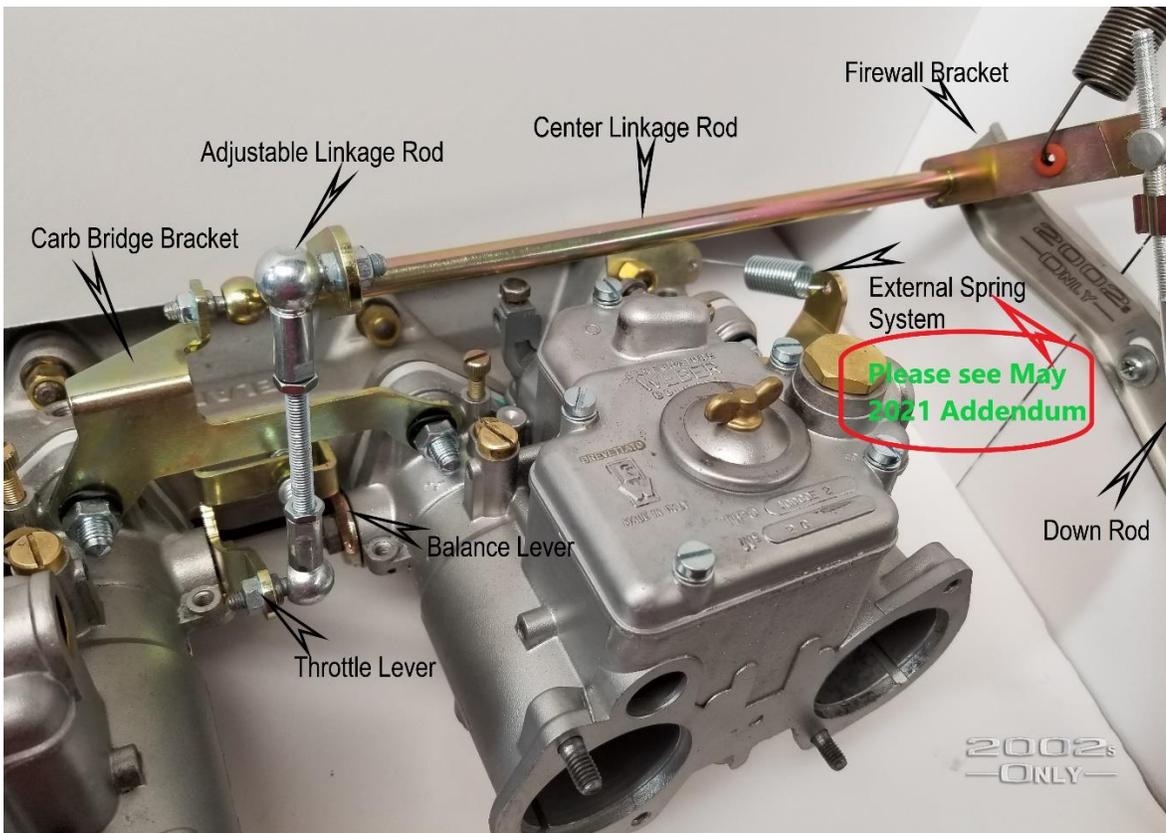


The Ultimate BMW 2002 Sidedraft Linkage System

INSTALLATION TIPS

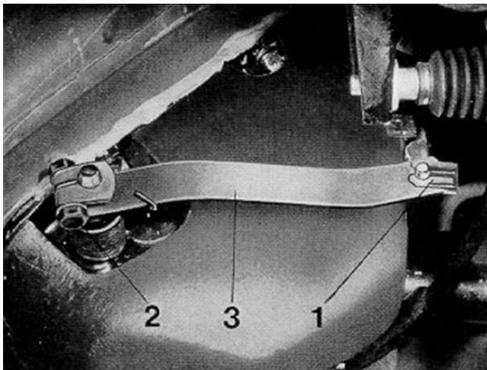
If this is your first time installing a 2002ti-style linkage for Weber DCOEs, here are a few tips that might make it easier.

Please refer to the part names in this photo when reading these tips.



1. The Balance Lever and Throttle Lever indexing holes **are tight fits** to accommodate both new and used throttle shafts. If you have trouble getting them on the shafts, try using a small file to clearance the Levers' indexing hole a bit. **Please see attached May 2021 Addendum.**
2. The Balance Lever goes on the rear carb. This is the part that is used to do the final synchronization of the two carbs.
3. The Throttle Lever on the front carb can be mounted by fitting its arm between the Balance Lever screw and spring post before sliding it onto the throttle shaft of the front carb.

4. The External, Adjustable Throttle Spring System supplements the butterfly springs in the DCOEs and the firewall spring. The Spring is attached to the small hole in the Throttle Lever. The Spring Bracket is attached to the intake manifold stud. Use it if you are having trouble getting the butterflies to completely close. You can adjust the tension by changing the length of the eyebolt. Narrower manifolds may not need the eyelet extension. **Please see attached May 2021 Addendum.**
5. The Pedal Down Rod should be attached to the accelerator pedal lever first. With the butterflies completely closed, the Down Rod adjustment nut is then used to match the linkage lever to the Down Rod.
6. The Firewall Bracket can be sliden horizontally and vertically for adjustment.
7. Be sure to crimp down the provided Lock Rings that are placed under the throttle shaft nuts to secure the Balance Lever, Throttle Lever and External Spring Lever.
8. Once synchronization is complete, change the length of the Adjustable Linkage Rod to match the distance between the two ball and socket connections on the Throttle Lever and Center Linkage Rod Lever.
9. If the Down Rod length is too long or too short, you may have to adjust the accelerator pedal lever angle at the pedal box. In some cases, it might be necessary to cut some off some of the threaded portion of the rod to prevent it hitting the firewall.



Please note:

You will need to reuse 4 parts that are already on your linkage system. They are the 2 Down Rod clips, the Down Rod Nut, and the Firewall Spring. See pic below.



We do have these in new OEM versions at extra cost if you need them.