

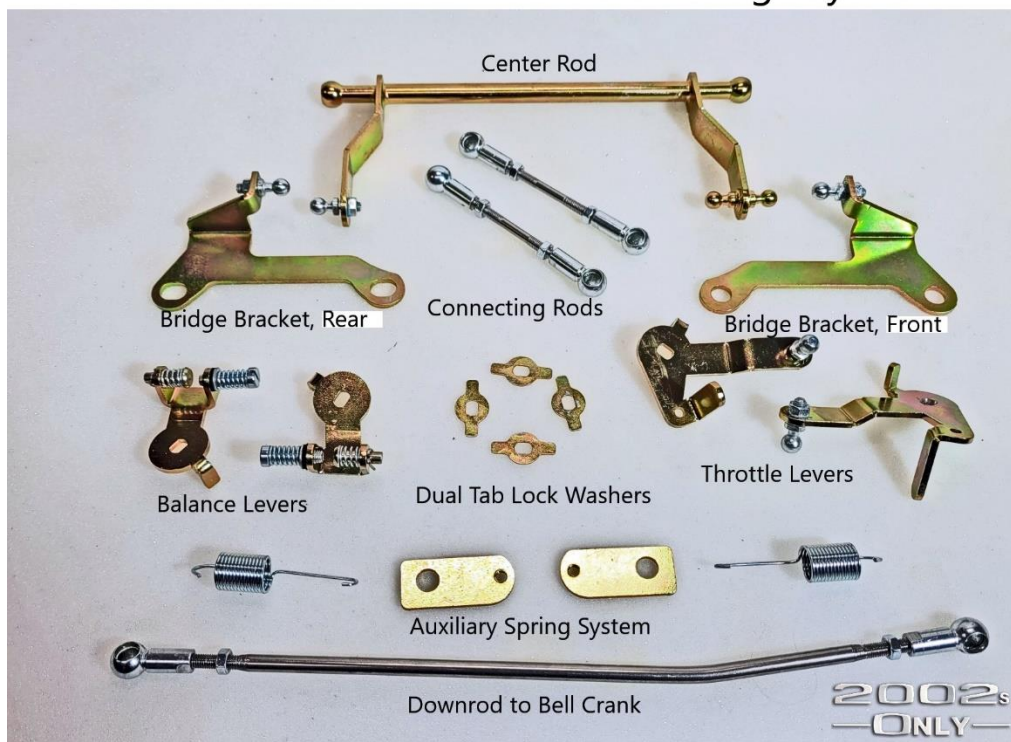
2002s
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The BMW M30 Ultimate Sidedraft Linkage System INSTALLATION TIPS

Installing our Sidedraft Linkage System for Weber DCOEs on the M30 is rather straightforward, but here are a few tips that might make it easier.

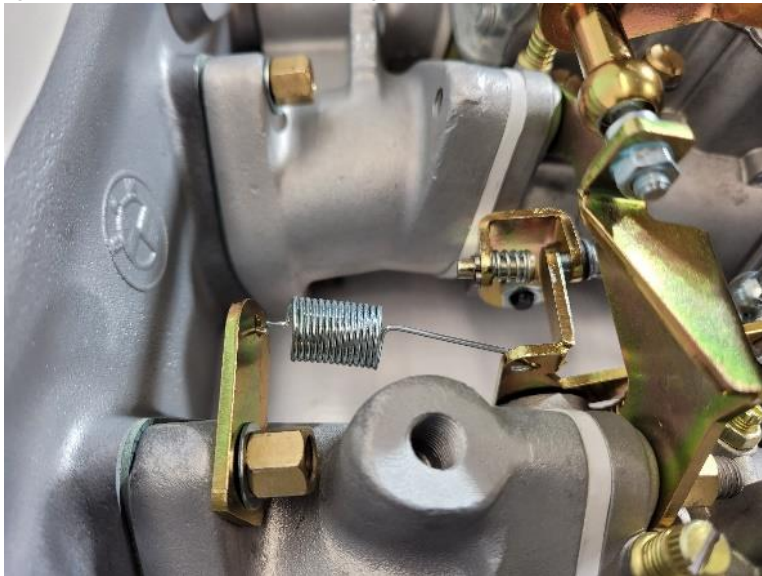
Please refer to the part names in this photo when reading these tips. “Front” will refer to the front of the engine bay. NOTE: The ball sockets on the Connecting rods and Down rod use spring retainers that must be removed before clicking them onto their respective balls.

BMW M30 Ultimate Side Draft Linkage System



1. The Center Rod has one lever with one ball and one lever with two. The lever with two balls is positioned to the front of the engine.

2. The Balance Levers go on the front throttle shafts of carbs two and three. These are the parts that are used to do the final synchronization of the three carbs. The Throttle Levers are fitted on the rear throttle shafts of the first and second carburetors.
3. The Center Rod can be pushed on to the Front and Rear Bridge Brackets balls prior to installing on the intake manifold studs protruding through the carburetors' mounting holes. The Rear Bridge Bracket has elongated mounting holes to provide some movement when installing the Center Rod/Bridge Brackets assembly.
4. The Auxiliary Throttle Spring System supplements the butterfly springs in the DCOEs and the bell crank spring. The Spring is attached to the small hole in the Throttle Lever and the Auxiliary Spring Bracket. The Auxiliary Spring Bracket is attached to the intake manifold stud on the head. Use one or both of them to provide extra butterfly closing power. If you have very thin intake manifolds, you might have to bend the springs to shorten them.



5. The Bell Crank Down Rod should be attached to the bell crank first. With the butterflies completely closed and synchronization complete, the Down Rod adjustment nuts are then used to match the Center Rod linkage lever to the Down Rod.
6. Be sure to crimp down the provided Dual Tab Lock Washers that are placed under the throttle shaft nuts to secure the Balance Levers and Throttle Levers. You can use one or both tabs.
7. Once synchronization is complete, change the length of the adjustable Connecting Rods to match the distance between the two ball and socket connections on the Throttle Levers and Center Rod Levers.
8. All of the ball sockets come with a security spring pin that is inserted through the socket after the ball has been pushed into the socket. The Bridge Brackets' sockets do not have this feature.

