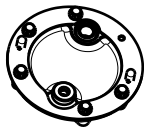


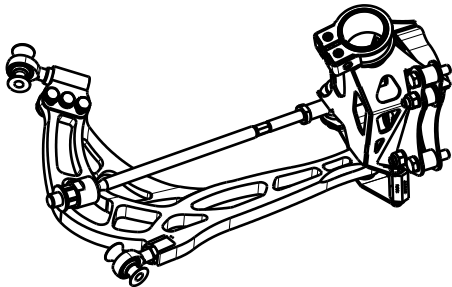
BMW F22/F30/F80/F87 Front lock kit



This kit will fit to BMW F20, F21, F22, F23, F30, F31, F32, F33, F34, F35, F36, F80, F82, F83, F87

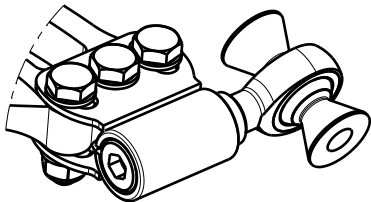
Overall view of assembled components in the right corner

All lengths (exc. tie rod)and camber plate are pre set by Wisefab. No need to adjust before alignment

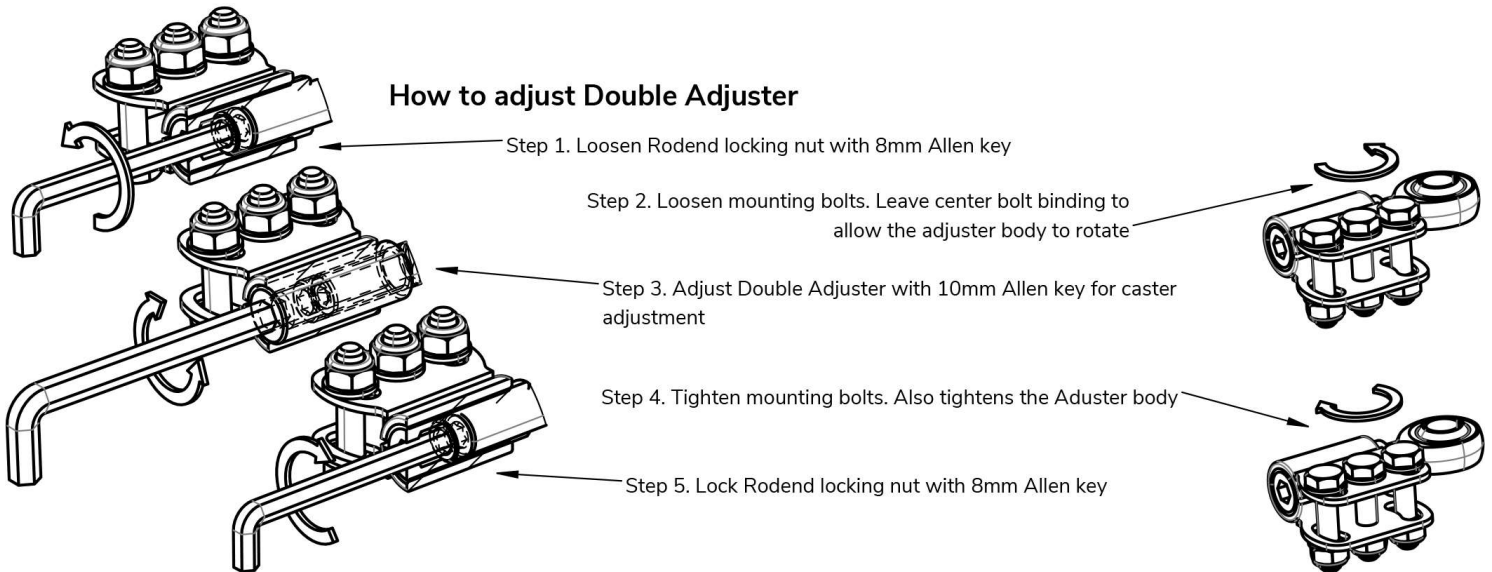


Installing the lower arms

Wisefab lower arms are one piece design, so tension rods are not needed anymore. Mount arms with stock bolts, we recommend using new ones. Caster can be adjusted from the lower control arm with the Double Adjuster.



How to adjust Double Adjuster



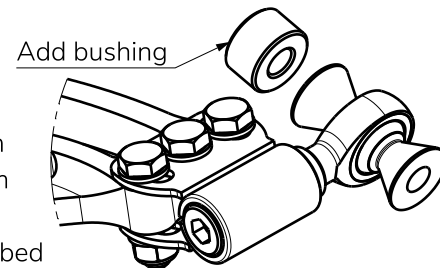
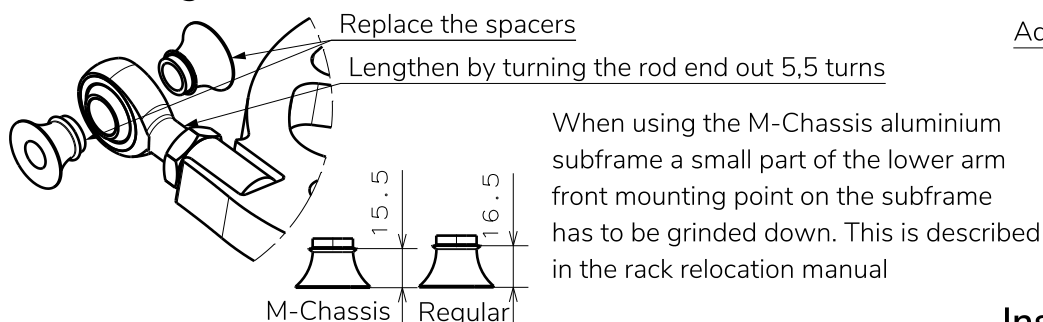
IMPORTANT!

If the kit is installed check the clearance between car body, suspension components and the wheel with tire in all extent of the suspension travel. For that the spring needs to be removed. If there is clearance issues then change your wheel alignment or limit the suspension travel.



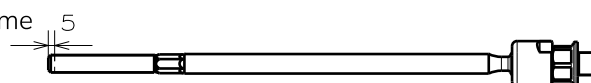
If you still have some trouble installing the kit, contact us at sales@wisefab.com, or call us +372 5562 5669

Installing the lower arm to M-Chassis subframe



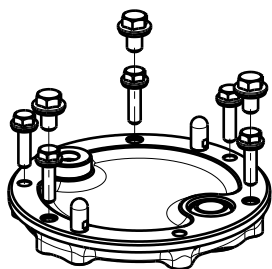
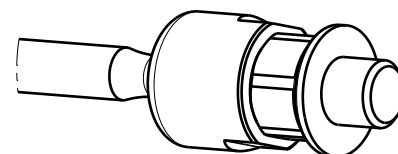
Steering rack

OEM electric steering rack can be used but with the non M-Chassis steering rack the inner tie rod has to be shorten by 5 mm. With Wisefab rack relocation BMW E90 hydraulic steering rack can be used with non and M-Chassis subframe



Installing the rack spacer

Before installing the rack spacer use thread lock on the spacer.



Installing the camber plate

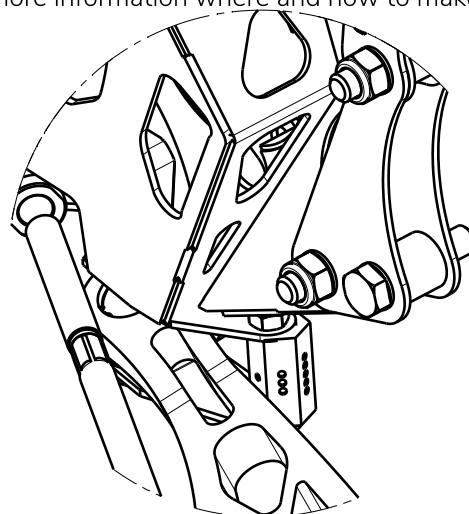
Both 5-lug and 3-lug OEM top mounts can be replaced with the Wisefab camber plate. When installing to the 5-lug version use the longer M8 bolts and for the 3-lug version use the shorter M10 bolts. Small cut out in the strut tower is needed to make room for the coilover upper fixing nut. There is more information where and how to make the cut in the rack relocation manual.

Lock stopper adjustment

Wisefab lock kits are equipped with hexagonal lock stoppers, where each side has a different offset. The more dimples, the more offset and by that less usable lock. When installing, make sure that Tie rod is not binding in any way.

IMPORTANT!

If the lock stopper is set check the clearance between car body, suspension components and the wheel with tire in all extent of the suspension travel. If there is clearance issues then limit the steering lock more or change your wheel alligment.



Recommended alignment specs

Camber: -4,5

Caster: 5.7

Toe: if ackerman is 0 or negative then toe is 2 mm,
if ackerman is positive then toe is 0.

Front track: 90 mm wider per side then the OEM

Strut lenght (A) max: 420 mm

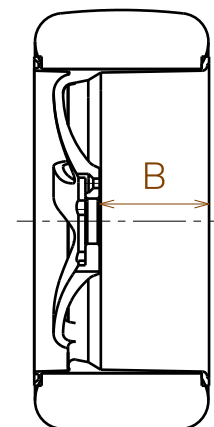
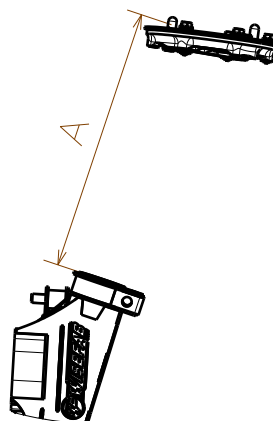
min: 290 mm

Wheel backspace (B) max 19": 150 mm

18": 146 mm

17": 140 mm

Some 17" wheels will not fit



If you still have some trouble installing the kit, contact us at sales@wisefab.com, or call us +372 5562 5669