

**ALL  
ALLOY VERY  
HIGHEST  
7075 GRADE**



**GENUINE KMAC. . . ALSO INCLUDES  
SEPARATE RADIAL THRUST  
BEARINGS FOR STEERING LOADS!  
PREVENT SPRING DRAG / BINDING**

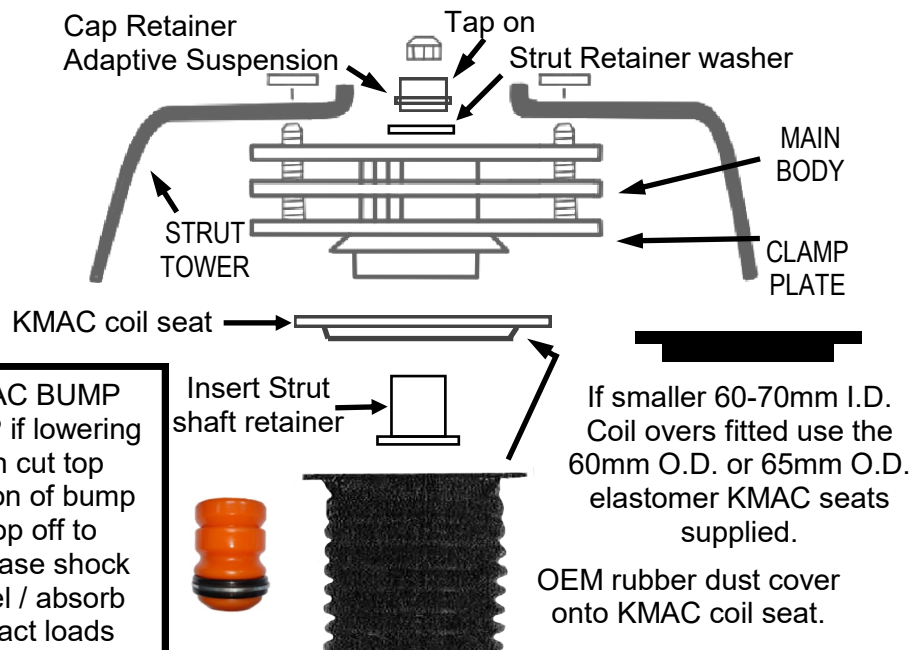
# FULL RACE CAMBER & CASTER

**#192616-3N**

**NO FLEX - Tauter / Quicker response times, more effective shock control**

- ✓ Adjust from engine bay with strut brace fitted
- ✓ Centers are Replaceable - KMAC massive (1 1/8" diam) self align spherical bearings (PTFE lined)
- ✓ Steering loads - Separate again massive (85" diam.) fully sealed bearings
- ✓ Fit with or without Adj. Coil Overs (60-70mm I.D.)

**TRACK DAYS - Further reduce Negative Camber / Understeer**  
Front lower arm inner "Camber" adjustable bushings #193616-8H  
Front thrust arm Caster adjustable ('X' Separate) #193916-5H  
(Mono ball / 2 axis design improving Brake & Steering response)



**KMAC BUMP  
STOP** if lowering  
can cut top  
section of bump  
stop off to  
increase shock  
travel / absorb  
impact loads

**WORLDS LARGEST RANGE AUDI TO VOLVO (BMW all 1966 - 2023)**  
**Longest established, most experienced manufacturer Front and Rear  
CAMBER, CASTER, TOE ADJUSTER KITS**

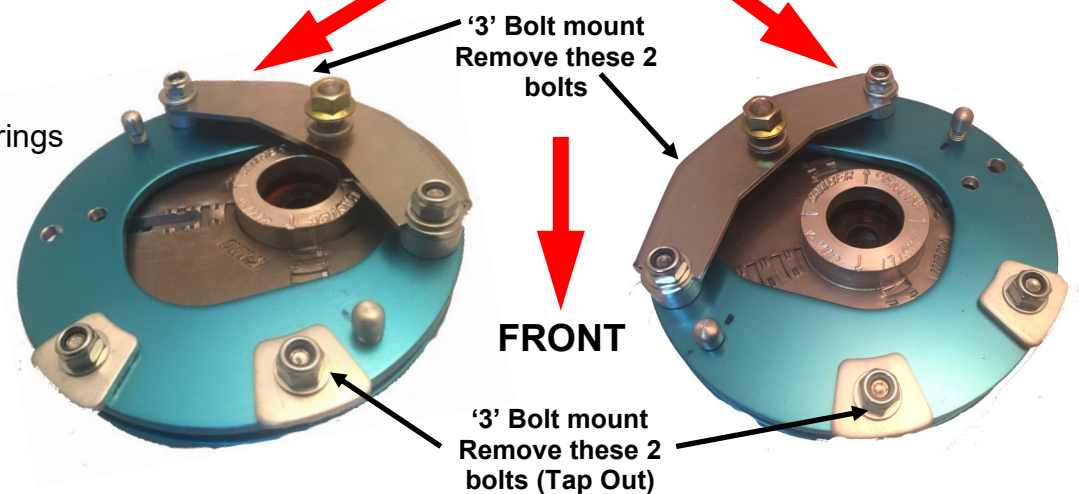
**WHEN 2ND. BEST ISNT ENOUGH - REFUSE SUBSTITUTES**  
**BMW F20, 21, 22, 23. F30, 31, 32, 33, 35, 36.**  
**(F80'M3', F82 / 83'M4', F87'M2' #192716-3N)**

**PATENTED (Quickest / Biggest Adjustment) SYSTEM**  
(Kits manufactured for every BMW 1966 to 2023 incl. All 'M' Series)

**Fits earlier '3' bolt or  
'5' bolt strut mounts.**

**New Strut Brace  
MOUNT PLATES**

**Also fit with  
Adaptive Suspension.**



Showing correct assembly (Right & Left Hand)

This side "OFFSET"  
Showing Extra Neg.  
Camber (and/or Caster)

This side showing  
"CENTER" position

**FITTING**

**SIMPLY REPLACES ORIGINAL STRUT 'UPPER' MOUNTS**

Refer manufacturer's workshop manual re removal  
and installation. Observe all safety procedures.

**ALIGNING NO NEED TO JACK TO ADJUST**

- A.** From engine bay, loosen the '3' top nuts for strut tower upper mount.
- B.** Use large screwdriver to lever / ratchet KMAC adjuster mount crossways for CAMBER, then lengthways for required CASTER.
- C.** Once optimum settings, tighten the 'TOP' KMAC NUTS - HAND WRENCH TORQUE TO **27Nm (20ft/lbs)** - NOT IMPAC GUN

© KMAC Align 2023 #192616-3N



## **FRONT #192616-3N STAGE 3 (FULL RACE)**

**BMW F20,21,22,23, F30,31,32,33,35,36**

**'M' (Carbon Fibre Strut Brace) #192716-3P**

All models  
See Website

### **FRONT CAMBER (and CASTER) FOR THE 1st TIME** (and accurate-underload direct on alignment rack)

- ✓ **Biggest Adjustment** - Up to race winning 3<sup>0's</sup> Neg.  
KMAC patented design also incl. top coil seats  
(OEM diam. and all brands 60-70mm I.D Coil overs).
- ✓ **Quickest Adjustment** - Change Camber & Caster  
settings - Street/Race from engine  
bay and with strut brace fitted
- ✓ **Centers extra H/Duty** - Self Align Spherical Bearings  
(PTFE Lined) - Massive 1 7/8" I.D. (Replaceable)
- ✓ **Steering Loads** - Separate radial thrust bearings and  
preventing spring drag / binding
- ✓ **KMAC not steel** - or soft billet alloy but ultimate  
highest aircraft 7075 grade aluminum
- ✓ **No Modifications To Install** - Incl. Adaptive Suspension

***Always 1st With The Latest Design Breakthroughs ....***

- 1. WISHBONE:** Precise Ball Joint Adjustment System.
  - 2. STRUT(top):** Biggest/Quickest Adjustment System.
  - 3. BUSHINGS:** Single Wrench - Precise On Car Adjustment.
- Including unique KMAC "non-slip" lock system!**  
***Actual Inventors/Patentee's - The '3' Basic Suspension Systems***

*We do appreciate any ideas to further improve our market leadership !*