

ALL  
ALLOY VERY  
HIGHEST  
7075 GRADE



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

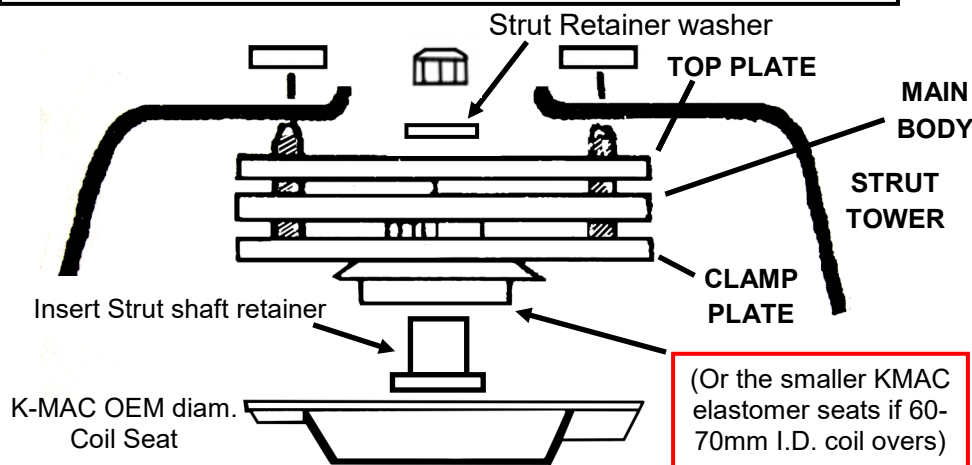
# FULL RACE CAMBER & CASTER Biggest Adjustment Range

**STAGE 3 - Centers extra H/Duty Self Align Spherical Bearings (PTFE Lined)**  
Solid, no flex for tauter, quicker response times.

- ✓ Fit (and can) adjust with strut brace
- ✓ Fit With or Without Adj. Coil Overs (60-70mm I.D.)
- ✓ Separate Massive thrust bearings (85" diam.) fully sealed
- ✓ Centers are Replaceable for virtual lifetime usage

**RACE DAYS....**

Record separate settings (and Toe) for extra Neg. Camber.  
Significantly lowering of lap times through. . . .  
Reduced understeer, Improved cornering, traction & braking response.



**Simply replaces original strut 'upper' mounts**

All items above Coil spring except for OEM dust cover

Refer manufacturers workshop  
manual re removal and installation  
Observe all safety procedures

KMAC BUMP STOP  
If lowering can cut top section of  
bump stop off to increase shock  
travel/absorption



**ALIGNING - NO NEED TO JACK TO ADJUST**

- From Engine bay, loosen the '3' top mount nuts on strut tower.
- Use large screwdriver to lever / ratchet KMAC adjuster mount crossways for Camber (rear to increase positive caster).
- Once optimum setting obtained, tighten to **27Nm (20ft.lbs)**

**INITIALLY SIT KMAC ADJUSTERS ON TOP OF STRUT TOWERS. . .**

**3 STRUT TOP HOLES ARE EVEN SPACING**  
**Kit (Centers) are 'Left' and 'Right' hand offsets**  
THEREFORE BEFORE INSTALLING / ADJUSTING  
(Select Center hole position that will achieve best results!)

More travel - check clearance to strut towers - cut / trim main body extremities.

**E36 / Z3 ('M' - 191916-3L), E81-93 ('M' - 193616-3L)**

**A. IF OUTER TIRE WEAR**

**MOUNT POSITION FOR MORE  
NEGATIVE (-) CAMBER**

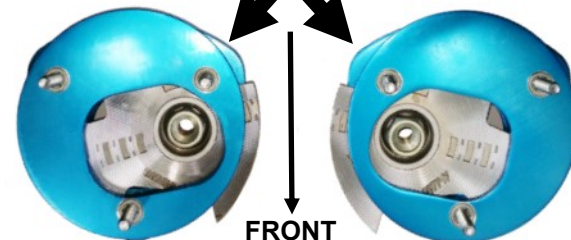
**OR POSITIVE  
CAMBER  
"SWAP LH  
FOR RH"**



**B. RACE/COMPETITION**

**FOR 'MAXIMUM'  
NEGATIVE (-) CAMBER**

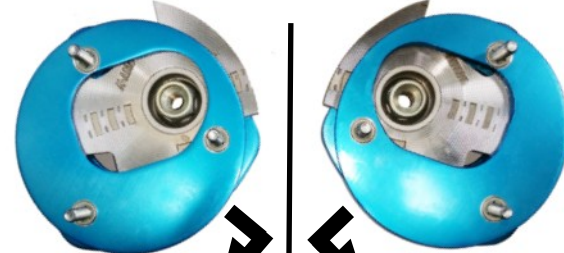
**AS ABOVE  
BUT SWAP SIDES  
AND ROTATE**



E39 [ incl. 'M' to 9/97  
'M' 10/97-04 193616-3 ] E46, Z4, E60-64, E'81-'93 ('96-'13) 'M' 193616-3

**C. OUTER TIRE WEAR**

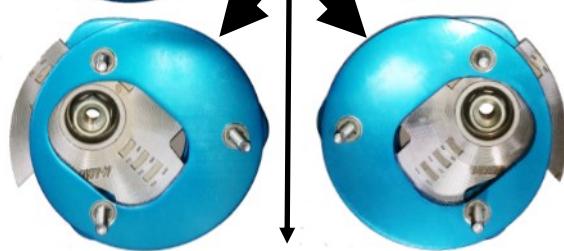
**OR COMPETITION  
(NEGATIVE CAMBER)**



**D. INNER TIRE WEAR**

**(POSITIVE CAMBER)**

**AS ABOVE  
BUT ROTATE**



FRONT

© KMAC Align 2023 #192416-3L



## Front #192416-3L - Stage 3 (FULL RACE)

**BMW E36, Z3, E39, E46, E60-64, E81-93, Z4**

### **FRONT CAMBER (and CASTER) FOR THE 1st TIME**

(and accurate-underload direct on alignment rack)

- ✓ **KMAC not steel** - or soft billet alloy but ultimate highest aircraft 7075 grade aluminum and no mods to fit
- ✓ **Biggest Adjustment** - Up to race winning 2.5°'s Neg.  
Incls. "top coil seats" in OEM diam. & Coil overs (60-70 I.D.)
- ✓ **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) Replaceable
- ✓ **Steering Loads** - Separate H/Duty radial thrust bearings and preventing spring drag / binding
- **FRONT** - Also lower arm mono ball / 2 axis design — also available in "offset" for extra Positive Caster.
- **REAR** - Precisely adjustable Camber bushes doubling adjustment range or competition rated turnbuckle Camber arms plus reinforced Toe bushes for tauter cornering response.

***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 !*