

NOW CAN  
ADJUST TIRE  
'CONTACT'  
ANGLES

# FINALLY FRONT & REAR ONGOING

IMPROVE TRACTION & EDGE TIRE WEAR

## Camber, Caster Adjustment

AUDI TO VOLVO - Including Mercedes 'AMG', BMW 'M'

W204/X, C207/A, R172 incl. AMG & Black Series

### AT LAST - FRONT "CAMBER" #502616-1i

**KMAC PATENTED DESIGN BREAKTHROUGH....**

"Precisely Adjustable - Single Wrench"  
(accurately underload - direct on alignment rack)

- 2 Lower control arm "inner bushes" - can be removed "on vehicle". Extraction tool supplied.
- Bushes installed "in any offset position"
- Then precise single wrench adjustment.  
(No more the time consuming need to disassemble to change settings)

### • WITH 2½ TIMES THE LOAD BEARING AREA •

ALSO CAMBER (& CASTER) KIT.... #502616K

(Remove "on vehicle" - Extraction tool supplied)

CASTER - Forward facing thrust arm bushes.

Compensate for Camber change also to correctly resolve steering pull. Improve hi speed directional control.

Unlike the soft rubber, oil and air voided OEM bushes  
KMAC ARE ALSO MONOBALL / 2 AXIS

Significantly improving brake and steering response  
Out performing Urethane or Spherical bearings having more than 2 ½ times the load bearing / impact area

Refer maintenance manual and observe all Safety procedures.

#### CONTROL ARM - CAMBER bushes

**A.** Jack and remove front wheels. Locate safety stands - one under each outer control arm mounts (to aid reconnection / lining up holes in step H & I).

**B.** Securely position jack under a lower control arm (towards inner end). Then raise only sufficient to take up / support load.

**C.** Remove bolt - **should be tap out procedure (adjust jack up or down so minimal load)**

**D.** Lower control arm sufficient to expose Bush.

**E.** Use Extraction Tool Supplied & Wrench or Impact gun here to remove bush

**F.** Then insert elastomer bushes and use lubricate supplied on the KMAC steel Bushes (only) and also insert **(As above with hole at 12 O'clock)**.

"RIGHT HAND" Frame Mount →  
OUT

**G.** Position Frame mount  
INNER "STEEL" PLATES  
PAIR RH SIDE  
PAIR LH SIDE

CHECK (Front or Rear)  
So Tabs fully seated.

SEE REVERSE →

**H.** Prior to reconnection of inner arm (to aid lining up / re-insertion of the frame mount bolts) - insert new KMAC 'D' bolt in bush holes **so on rotating bolt head the hole can be moved to 12 O'Clock position.**

**I.** Reposition arms back inside frame then install tooth washers under bolt head **and insert bolts with 'D' shape flat to 'TOP' so lines up with 'D' hole flat position in bush.**

Attach remaining tooth washers prior to lock tab washer and nut.

#### WHEEL ALIGN ("WITH TIRES ON SLIDE PLATES")

**SIMPLY ROTATE BOLT HEADS - UNIQUE KMAC PATENTED SYSTEM**

(allowing accurate adjustment "under load" direct on Alignment slide plates)  
Make sure nuts are loose and rotate the bolt heads of both bush mounts. Once required setting is obtained, hold head of bolts in this position and tighten the nuts to **184Nm (135 ft/lbs)**.

Then fold one of the 3 lock Tabs that lines up with the side of a nut  
Check / readjust existing Toe settings.

**ESSENTIAL RECHECK MAKE SURE 4 NUTS ARE FULLY TIGHT**  
( Loose Nuts Cause Noise )



#502616-1i

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## **TOTAL SYSTEM**

### **OTHER POPULAR SUSPENSION UPGRADES ALSO MANUFACTURED**

**FRONT** - Caster Adjustable Bushes Forward facing thrust arm bushes. Compensate for Camber change also to correctly resolve steering pull. Improve hi speed directional control. Unlike the soft rubber, oil and air voided OEM bushes.

#### **KMAC ARE ALSO MONOBALL / 2 AXIS....**

Significantly improving brake and steering response. Out performing Urethane or Spherical bearings have more then 2 1/2 time the load bearing / impact area.

**#502616-4G**

**REAR** - Camber also for the 1st time (and 'extra' Toe to compensate) lower arm bush adjusters - like all KMAC bushes are precisely adjustable unique patented design (single wrench, accurately - under load). Moving bottom of tire inwards (or out for extra track width) Unlike upper Camber arms that are difficult to access / adjust and need to reduce important clearance - "top of tire to outer fender" when wanting to prevent premature inner edge tire wear

**#502226**

**FRONT** - Replacement top Strut Mounts for extra Camber & Caster adjustment (Pos./Neg - up to 3 degrees negative). Precisely adjustable from engine bay. With KMAC no need for Strut removal.

#### **STAGE 2 (STREET/RACE)**

W204, C207/A207 incl. AMG, Black Series      **#503016-2**  
C209 Black Series      **#502616-2**

#### **STAGE 3 (FULL RACE)**

W204, C207/A207 incl. AMG, Black Series      **#503016-3**  
C209 Black Series      **#502616-3**

**REAR** - Uprated bushings for the '6' Multi Link Arms. Significant improvement to rear end stability - less twitch / flex / loss of traction. Especially when applying power to lane change / overtake.

**#502628**



#### **CAMBER FOR THE 1ST TIME #502616-1i**

**W204/X, C207/A, R172 incl. AMG & Black Series**

(and accurate-underload direct on alignment rack)

**ONLY 'TOE' DIRECTIONAL ADJUSTMENT OEM**  
(New Car Industry Best Kept Secret)

#### **✓ FRONT CAMBER Up to 2°'s Pos. or Neg.**

- Resolve costly, premature edge tire wear
- Extra adjustment (Track days) see Rear page

**ALSO MNF. Camber (&Caster) Kits**  
Caster bushes - Monoball / 2 Axis significantly improving brake & steering response #502616K

#### **✓ ADJUSTMENT Precise "Single Wrench" on car (unique Pat. design) no disassembly each time!**

#### **✓ BUSHINGS 2 1/2 times the load bearing area**

- Same time replacing the highest wearing
- Noiseless, Long term, Maintenance free

#### **✓ INCLUDES Bush Extraction / Tool**

Fit without need for arm removal

*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. Incl. 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 !