

**NOW CAN  
ADJUST TIRE  
'CONTACT'  
ANGLES**

# FINALLY FRONT & REAR ONGOING

IMPROVE TRACTION & EDGE TIRE WEAR

## Camber, Caster (and extraToe) Kits

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

Genuine KMAC....

#501926 - 209 (6/'04-'09), 203 (4/'04-'07) 51mm lower inner bush  
#501626 - 140

FOR THE 1ST. TIME . . . .

### REAR CAMBER (& EXTRA TOE) ADJUSTABLE BUSHINGS

**Precisely Adjustable - Single Wrench**

(accurately under load - direct on alignment rack)

• WITH 2½ TIMES THE LOAD BEARING AREA •

Installation should be carried out by a qualified person

**A.** Install with vehicle on 4 post hoist or car ramps to aid reconnection of inner bolts step H.

**B. EXTRA TOE - UNBOLT ARMS:** Located "front" of subframe

Use bench vice and the '2" small tubes supplied to press out the INNER adjustable Toe bushes.

**C.** Clean hole and insert the new KMAC elastomer bushings. Now lubricate the steel inner bushes (only) with silicone grease supplied and insert. Reconnect Toe arms using the new KMAC 'D' shape bolts and cam washers supplied with the 'tab' lock washers under each nut.

#### TOE Bush Assembly

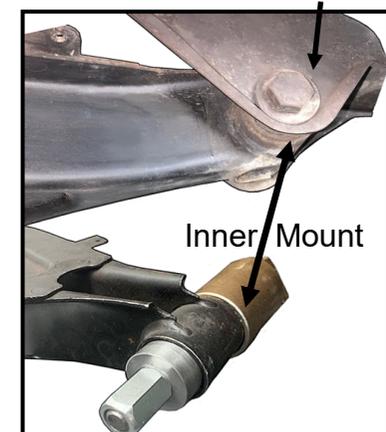


**D. CAMBER - LOWER ARM INNER BUSHES:**

Securely position jack under a lower control arm (towards inner end). Then raise (only sufficient) to take up / support load (for ease of bolt removal make sure load is even on both arm forks).

**E.** Remove the inner bolt initially quarter and re-adjust jack (if not easy to tap out) - bolt head should be horizontal.

**F.** Once removed slowly lower jack - sufficient only for end of arm to expose the bush in frame. Then install KMAC threaded rod tool from FRONT and large washer on REAR. to extract bush 18mm ext. socket (can be tight - use impact wrench if available).



**F. Lower arm - then install extraction tool.**

**G.** Clean hole and insert the new KMAC elastomer bushings. Now lubricate the steel inner bushes (only) with silicone grease supplied and insert.



**H.** For ease of bolt entry preferably rotate bush 'D' holes to 12 o'clock position. (Flat then is to Top).

**I.** Place the new cup washers (in above pic) on each end of elastomer bushes then jack to raise arm to line up holes (use "pointed end" screwdriver on opposite side of hole to accurately align while inserting the KMAC 'D' shape bolts - flat to Top.).

NOTE: "TOOTH" WASHERS: Place under head of bolt first - then prior to tab lock 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 turntable)

Make sure nuts are loose and rotate the bolt heads for both Camber and Toe. Once required settings obtained, hold head of bolts in this position and tighten the nuts to **110Nm (80ft/lbs)**

Then fold one of the 3 lock Tabs that lines up with the side of a nut

**ESSENTIAL RECHECK MAKE SURE 4 NUTS ARE FULLY TIGHT**

( Loose Nuts Cause Noise Noticeable Camber Change )

**CHASSIS QUICK REFERENCE ALL '68-'23 Incl. AMG, Black Series**  
**FINALLY - ON GOING / PRECISE ADJUSTMENT Resolve Steering Pull, Premature Edge Tire We...**

PAGE	FRONT (CAMBER & CASTER)	REAR (CAMBER & Extra TOE)																					
8	'10-'18 W212, E200 - 550 C218 CLS 250 - 550 #502916 K '12-'18 W212/S, E63, E65 AMG #50316K C218 CLS 63, 65 AMG. #503116 K ● Also Adjustable Strut Top Mounts - If Coil Spring Suspension Stage 2 (Street/Race) #502916-2 L ● Also Adjustable Strut Top Mounts - If Coil Spring Suspension Stage 3 (Full Race) #502916-3 L ** ALSO UPPER ADJUSTABLE WISHBONE BUSH LISTING - SEE BOTTOM OF PAGE 6 & 7	UPATED Bushings 6 Multi link rear arms Page 14 Upper Camber arms (and extra Toe) Page 12-14																					
7	'15-'21 W205 / A / C / S, **C180, C200, C220, C250, C300, C350 {AMG GT4 Door} #502816 K ** C300, C400, C450 / C43 AMG(4MATIC) {ALL 43 to 63/S} #503416 K C63/C. 63S AMG #503316 K																						
7	'16-'23 **W213 4MATIC E43/53/63, E220-450. ** C253/X GLC, C257 CLS incl. AMG #503416 K '13-'23 **W213 E200-350. ** C238, **C217, W222/223/S AMG S63/65, 4Matic. Maybach('15-'23) #502816 K																						
7	'02-'20 R172, W204, C207, AMG, 'Black' (C209 AMG, Black #503516K. 270 - 500 #502216K) #502616 K ● Also Adjustable Strut Top Mounts - for C209 'Black' Series (only) Stage 2 (Street/Race) #502616-2 L ● Also Adjustable Strut Top Mounts - If Coil Spring Suspension Stage 3 (Full Race) #502616-3 L W204/X, C207/A Incl. AMG, 'Black' Series Stage 2 (Street/Race) #503016-2 L Stage 3 (Full Race) #503016-3 L																						
9	'02-'20 W203/A, W211, C209 (CLK 270 - 500), C219, R171, R230, R231 #502216 K																						
9	'93-'10 R170, W202, C208 / A Incl. Chrysler Crossfire (300C, Charger, #502716 K) #502016 J																						
9	'96-'09 W210 (502116K) "4MATIC" - W210, W211/S, W220 #502416 K																						
9	'06-'14 W216, W221 #502316 K																						
9	'00-'06 W215 CL, W220/S #502516 K																						
9	'91-'99 W140, Maybach ('97-'12) Have adjustment KMAC doubles adj. range #501916 K																						
10	'82-'01 W124, R129, W201 Have adjustment KMAC doubles adj. range #501716 J ● Also (124, 129) Adjustable Strut Top Mounts (#501716-2 L, #501716-3 L)																						
10	'77-'91 W123, W126 Camber only Have adjustment KMAC doubles adj. range #501616 H																						
12	'14-'23 W205 (incl. AMG C43, *C63/S), W213, C238, 253, 257 (Coil/4Matic #502226) Airmatic #502326 K																						
12	'14-'23 *C63 ('S' Coupe) also AMG GT 4 Door & above AMG Models ("alloy" arms) #502326-1 K																						
12	'00-'18 W204 incl. AMG, Black Series, C207, W212, W215, C218 #502126 K																						
12	'02-'20 W211, C219, R230/231 Airmatic/4matic incl. AMG #502526K. W211, C219, R230/231 (Coil) #502126-1 K																						
12	'06-'20 W216, 221, 222, C217 (Maybach 15-20) #502626 K																						
12	'01-'20 C209 / A ('01-5/04), R171, R172 (33mm Lower Arm/Inner bush) #502026 H																						
12	6/04-'09 C209 / A (Black Series 501526J) (51mm " " " " ) #501926 K																						
13	'91-'06 W140, W220 (Maybach '02-'12 #501726K) (51mm " " " " ) #501626 K																						
13	'82-'10 W124/C, R129, R170, W201, W202, *C208, W210, Chrysler Crossfire #502026 H (300C, Charger #502726K) *A208 Convertible #501426 i																						
13	04-'07 W203 (from A555897, F457375, R131145) (51mm Lower Arm/Inner bush) #501926 J																						
13	00-04 W203 (33mm " " " " ) #502026 H																						
14	'68-'91 R107, W114, W115, W116, W123, W126 #501826 J																						
<table border="1"> <thead> <tr> <th>SUV, SPRINTER, VITO, A/B/CLA/GLA AMG</th> <th>FRONT</th> <th>REAR</th> </tr> </thead> <tbody> <tr> <td>SUV ** W167 / X, V167 GLE/GLS, C293 Upper Arm Inner Bushes #504216-2K 11 #504226 K ** W166 / X, C292 #504016 N 14 #504026 K ** W164 / X, ML W251 Front also replaces / strengthens the (costly) Lower / Inner Rear bushes! #503816 N #504026 K W163 (Camber only) #503916 G 15 #503926 i</td> <td></td> <td>REAR Bushings and / or Upper Arms (Page 14)</td> </tr> <tr> <td>Sprinter W906 ('06-'23) Full Camber (&amp; Caster) #505716 K W903 ('95-'06) '4' lower arm bushes #505616 K</td> <td></td> <td></td> </tr> <tr> <td>Vito W639, 447, 448 ('10-'23) Front Struts - Camber &amp; Caster #506016 L 11 #505226 K Metris W639 ('04-'10) 4 lower arm bushes Camber Caster #505116 K 14 #505126 K Valente W638 ('96-'03) Front Camber (Maxi Camb See Page 11) #120216 D #505126 K</td> <td></td> <td></td> </tr> <tr> <td>2018-2023 W177/A35/45/S, C118 CLA, 247B/X GLA STRUT TOPS (Precise Camber &amp; Caster) STAGE 2 (STREET/RACE) #506216-2 L 12 #506216-3 L STAGE 3 (FULL RACE)</td> <td></td> <td></td> </tr> <tr> <td>2012-2020 W176/A45, C117 CLA, B246, X156 GLA STRUT TOPS (Precise Camber &amp; Caster) STAGE 2 (STREET/RACE) #506116-2 L 8 #506116-3 L STAGE 3 (FULL RACE) #506116-4 K Extra Camber &amp; Caster (Race days) lower arm (inners) '98-'23 Front Camber Only (Maxi Camb) #120216 D 11</td> <td></td> <td>Have Rear Toe, KMAC provides also Camber &amp; doubles Toe adjustment range.</td> </tr> <tr> <td>REAR ('13-'20) lower arm Camber (&amp; extra Toe) bushes. Trail Arm front bushes. Tauter response, traction Upated bushes - 6 Multi link arms. Tauter response, traction #506126 K #506128 K #506128-1J 14</td> <td></td> <td></td> </tr> </tbody> </table>			SUV, SPRINTER, VITO, A/B/CLA/GLA AMG	FRONT	REAR	SUV ** W167 / X, V167 GLE/GLS, C293 Upper Arm Inner Bushes #504216-2K 11 #504226 K ** W166 / X, C292 #504016 N 14 #504026 K ** W164 / X, ML W251 Front also replaces / strengthens the (costly) Lower / Inner Rear bushes! #503816 N #504026 K W163 (Camber only) #503916 G 15 #503926 i		REAR Bushings and / or Upper Arms (Page 14)	Sprinter W906 ('06-'23) Full Camber (& Caster) #505716 K W903 ('95-'06) '4' lower arm bushes #505616 K			Vito W639, 447, 448 ('10-'23) Front Struts - Camber & Caster #506016 L 11 #505226 K Metris W639 ('04-'10) 4 lower arm bushes Camber Caster #505116 K 14 #505126 K Valente W638 ('96-'03) Front Camber (Maxi Camb See Page 11) #120216 D #505126 K			2018-2023 W177/A35/45/S, C118 CLA, 247B/X GLA STRUT TOPS (Precise Camber & Caster) STAGE 2 (STREET/RACE) #506216-2 L 12 #506216-3 L STAGE 3 (FULL RACE)			2012-2020 W176/A45, C117 CLA, B246, X156 GLA STRUT TOPS (Precise Camber & Caster) STAGE 2 (STREET/RACE) #506116-2 L 8 #506116-3 L STAGE 3 (FULL RACE) #506116-4 K Extra Camber & Caster (Race days) lower arm (inners) '98-'23 Front Camber Only (Maxi Camb) #120216 D 11		Have Rear Toe, KMAC provides also Camber & doubles Toe adjustment range.	REAR ('13-'20) lower arm Camber (& extra Toe) bushes. Trail Arm front bushes. Tauter response, traction Upated bushes - 6 Multi link arms. Tauter response, traction #506126 K #506128 K #506128-1J 14		
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**#501626 - 140**

[ FRONT - CAMBER & CASTER KIT ALSO MANUFACTURED ]

**KMAC - ADJUSTMENT FOR THE 1st. TIME (Precise Single Wrench)**  
**Tires are expensive - Resolve costly premature edge tire wear -**  
 Improve traction - Ongoing adjustment for curb knock damage, altering height through load carrying or lowering, fitting wide profile tires / wheels.

**A REVOLUTION IN SIMPLIFIED ADJUSTMENT**  
 BUSH ROTATES INSIDE (stationary) OUTER SLEEVE means unlike other brands bushes can be inserted in any position! (not just one offset position of adjustment) allowing therefore precise change of adjustment.  
**KMAC UNIQUE PATENTED INTERLOCKING BOLT / BUSH DESIGN**

**GENUINE KMAC (Rear Camber with "extra" Toe adjustment)**

1. Unlike upper Camber arms KMAC are designed to adjust lower arms. Advantage is clearance top of tire to outer fender is maintained when wanting to reduce inner edge tire wear. Essential if wide profile tires / wheels fitted. **Also KMAC kits include extra Toe adjustment to compensate for the new Camber facility.**
2. Unlike virtually all other brands — we do not use solid "metal to metal" spherical bearings which transmit road noise, uncompromising ride harshness and prematurely pound out. Instead patented design long life elastomer bushings (with twice the load bearing of OEM bushings) allowing also tauter/improved handling response.