

**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'

**ALL Incl. AMG / Black Series  
W204, C207, W212, W215, W218, R231 #502126K**

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 •

### TOOLS REQUIRED

WRENCH: 2 x 18mm, 2 x 16mm

SOCKET: 1 x 18mm E, 1 x 18mm (Ext.), 1 x 12mm (Multi Spline)

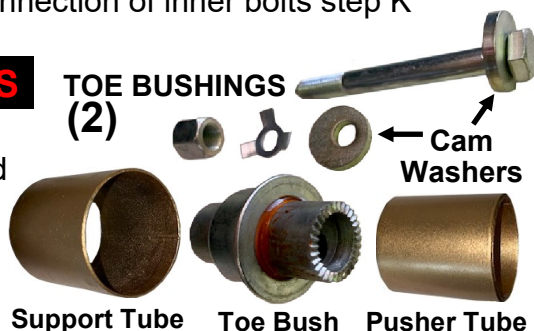
Installation should be carried out by a qualified person

**A** Vehicle on 4 Post Hoist to aid reconnection of inner bolts step K

### EXTRA TOE - UNBOLT ARMS

**B** Located FRONT of subframe.

After arm removal use bench vice and the '2' small tubes supplied to press out the inner adjustable Toe bush on each side. Press in the new KMAC bushes. (till "EVENLY" centered)



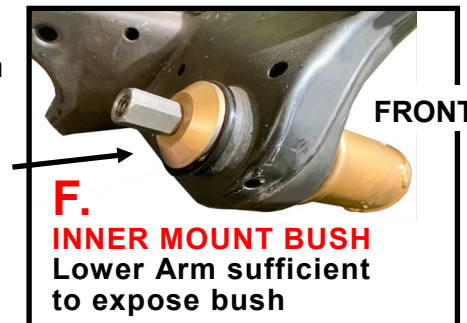
**C** Reconnect Toe arms using the new KMAC D shape bolts and cam washers supplied with the 'tab' lock washers under each nut

### CAMBER - WITHOUT ARM REMOVAL

**D** Securely position jack under a lower control arm (towards inner end). For ease of bolt removal - Jack / raise arm only sufficient to take up / support load. Make sure also load is "EVEN" on both forks.

**E** REMOVE THE INNER BOLT initially quarter way re-adjust jack - (if not easy to tap out) - bolt head should be horizontal.

**F** Slowly lower jack - sufficient only for end of arm to expose the bush in frame. Then install the KMAC threaded rod tool FROM FRONT (as in Pic) and large washer on REAR to extract bush 18mm ext. socket (can be tight - use impact

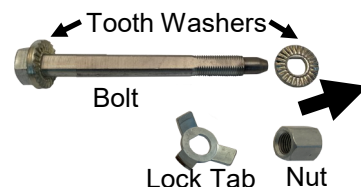


**G** Clean hole and insert the new KMAC elastomer bushes. Now lubricate the steel inner bushes (only) with silicone grease supplied and insert.

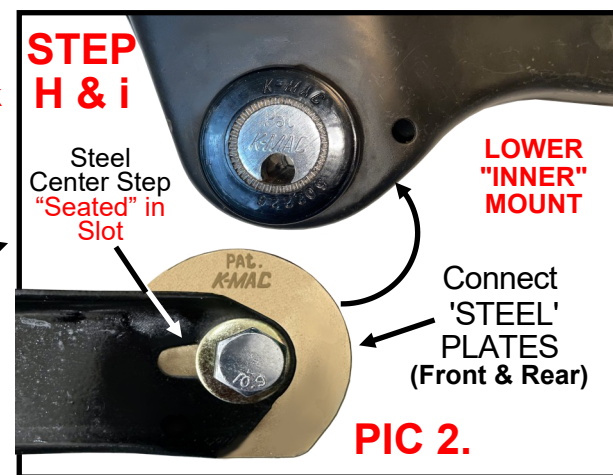
**H** For ease of bolt entry preferably rotate bush 'D' holes to 6 o'clock position. (Flat then is to bottom).

**i** Connect steel plates (Front and Rear) so 'center step' is seated in slot as in Pic 2.

**J** Place tooth washers under head of bolt (then prior to tab lock washer and nut).



**K** Raise and reconnect arms (insert bolt with flat at bottom so lines up with 'D' hole flat)



**WHEEL ALIGN ("WITH TIRES ON SLIDE PLATES")**  
SIMPLY ROTATE BOLT HEADS - UNIQUE KMAC PATENTED SYSTEM (allowing accurate adjustment "under load")

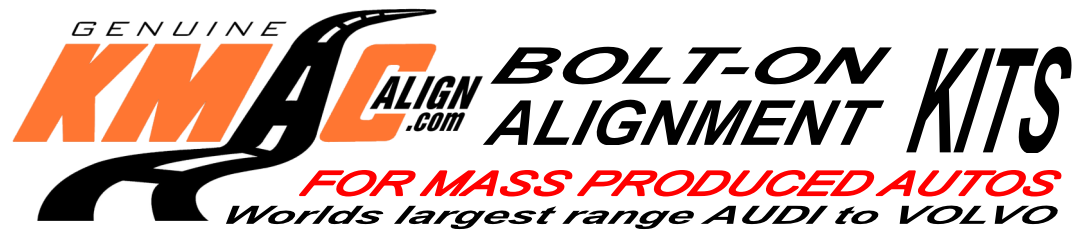
Make sure nuts are loose and rotate the bolt heads of both bush mounts for Camber and Caster. Once required setting is obtained, hold head of bolts in this position and tighten the nuts to 150Nm (110 ft/lbs.) Then fold one of the 3 lock Tabs that lines up with the side of a nut  
**Check / readjust existing Toe settings.**

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

# CHASSIS QUICK REFERENCE ALL '68-'23 Incl. AMG, Black Series

**FINALLY - ON GOING / PRECISE ADJUSTMENT Resolve Steering Pull, Premature Edge Tire Wear**

FRONT (CAMBER & CASTER)		● "EXTRA" Performance driving / Track days STRUT TOPS. see below ADJUST (Front Upper 'A' Arms. - Page 7-11)	
8	'10-'18 W212, E200 - 550, E63, E65/S AMG C218 CLS 250 - 500 #502916 K		
8	'10-'18 W212, C218 4MATIC #503616K C218 CLS 550 63, 65 AMG #503116 K		
	● Also Adjustable Strut Top Mounts - If Coil Spring Suspension Stage 2 (Street/Race) #502916-2 L		
	** ALSO UPPER ADJUSTABLE WISHBONE BUSH LISTING - SEE BOTTOM OF PAGE 6 & 7		
7	'15-'23 W205 / A / C / S, **C180, C200, C220, C250, C300, C350 C300, C400, C450 / C43 AMG (4MATIC) {AMG GT4 Door} #502816 K		
	C63/A/C, 63S AMG {ALL 43 to 63/S} #503416 K		
	#503316 K		
7	'16-'23 **EQC/E/S, W213 4MATIC E43/53/63, E220-450. **C253/X GLC, C257 CLS/AMG #503416 K		
	'13-'23 W213 E200-350. **C238, **C217, W222 / 223 / S, S63 / 65 AMG. 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 (CLK 56 AMG #502016-2K) Incl. Chrysler Crossfire #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		
REAR (CAMBER & Extra TOE)		● Upated Bushings 6 Multi link rear arms Page 14 Upper Camber arms (and extra Toe) Page 12-14	
12	'14-'23 EQC/E/S, W205 (incl. AMG C43, *C63/A/S), **W213, C238, 253, 257 (#502226K) 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, R231 #502126 K		
12	'01-'20 W211, C219, R230 Airmatic/4matic incl. AMG #502526K, W211, C219, R230 (Coil Susp) #502126-1 K		
12	'06-'20 W216, R221, 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 #502726 K) *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		



**Mercedes - "REAR Camber & Toe" #502126 K**

**ALL Incl. AMG / Black Series W204, C207, W212, W215, W218, R231**

**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 improved handling response.**

SUV, SPRINTER, VITO, A/B/CLA/GLA AMG		FRONT	REAR			
SUV	** W167 / X, V167 GLE/GLS, C293 Upper Inner Bushes #504216-2K	11	#504216-2K	14	#504226 K	REAR Bushings and / or Upper Arms (Page 14)
	** W166 / X, C292 Front also replaces / strengthens the (costly) Lower / Inner Rear bushes!		#504016 N		#504026 K	
	** W164 / X, ML W251 W163 (Camber only)		#503816 N		#504026 K	
Sprinter	W907, W910 ('19-'23) Strut Mounts Camber & Caster #505816 L	11	#505816 L			
	W906 Camber & Caster '4' lower arm bushes) #505716 K		#505716 K			
	W903 ('95-'06) Front Camber Only (see page 11) #505616 K		#505616 K			
Vito	447, 448 ('14-'23) Strut Mounts Camber & Caster #506016 L		#506016 L	14	#505226 K	
Metris	W639 ('03-'14) Lower arm bushes only #505116 K	11	#505116 K		#505126 K	
Valente	W638 ('96-'03) Front Camber only (See page 11) #120216 D		#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	#506216-2 L			
	STAGE 3 (FULL RACE) #506216-3 L		#506216-3 L			
2012-2020	W176/A45, C117 CLA, B246, X156 GLA STRUT TOPS (Precise Camber & Caster) STAGE 2 (STREET/RACE) #506116-2 L	8	#506116-2 L			
	STAGE 3 (FULL RACE) #506116-3 L		#506116-3 L			
Extra Camber & Caster (Race days) lower arm (inners) '98-'20 Front Camber Only (See Page 11) #120216 D		11	#120216 D	14		
REAR ('13-'20) lower arm Camber (& extra Toe) bushes. Trail Arm front bushes - Contain side load / G Forces Upated bushes (8) - With above kits eliminates rear end flex. #506126 K					#506126 K	Have Rear Toe. KMAC provides also Camber & doubles Toe adjustment range.
					#506128 K	
					#506128-1J	