

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

# FINALLY FRONT & REAR ONGOING

IMPROVE TRACTION & EDGE TIRE WEAR  
**Camber, Caster (and extraToe) Kit**  
AUDI TO VOLVO - Including Mercedes 'AMG', BMW 'M'

## REAR CAMBER - FIT "WITHOUT" ARM REMOVAL (& EXTRA TOE)

**W205, W213, C253**  
**AIRMATIC - "Forged Alloy" Lower Arms** **#502326K**

Coil / 4MATIC - #502226K (AMG - See Website)

**K-MAC "Precisely Adjustable" -  
Single Wrench - "accurately" under load**

K-MAC BUSHES - ALSO HAVING 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.** Install with vehicle on 4 post hoist or car ramps to aid reconnection of inner bolts step i.

### **B. CAMBER K-MAC - FIT WITHOUT ARM REMOVAL**

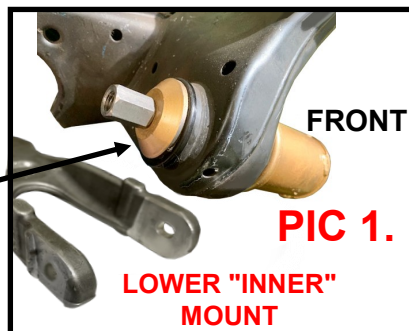
As indicated in Pic. 2 the lower control arm inner forks each have jacking lug located near to "inner" slot. Important jack positioned "so clearance" - to fully insert (#1) slide plates.

**C.** For ease of bolt removal - jack / raise arm only sufficient to take up / support load. Make sure load is "EVEN" on both forks (for ease of bolt removal).

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

**D.** After bolt removal 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 wrench if available).

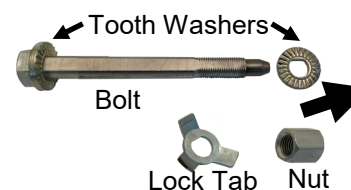
**E.** Clean hole and insert the new K-MAC elastomer bushes. Now lubricate the steel inner bushes (only) with silicone grease supplied and insert.



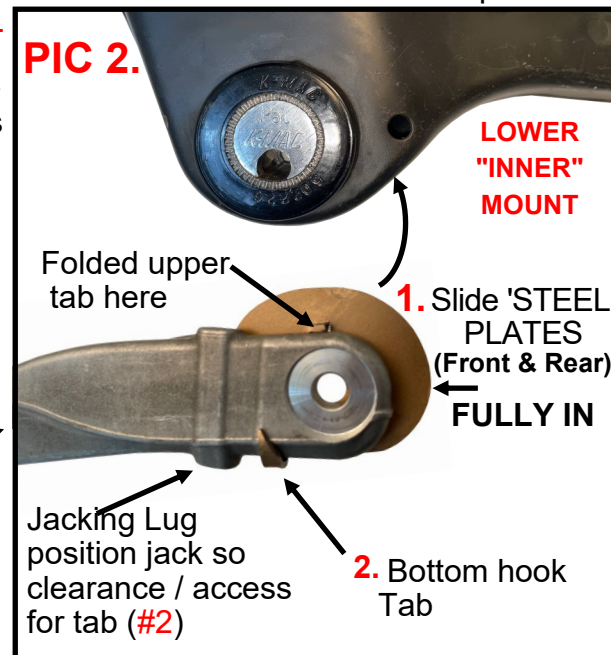
**F.** For ease of "bolt entry" rotate bush 'D' holes to 6 o'clock position. (Flat then is to bottom).

**G.** Position each pair of the STEEL folded tab plates fully in as in pic 2 (#1).

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

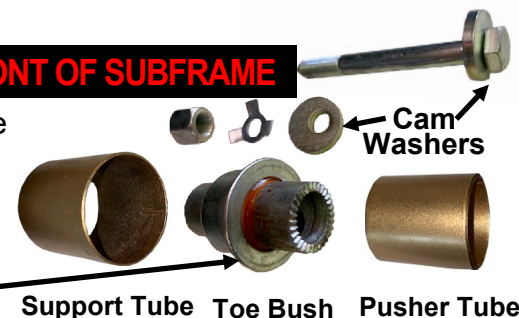


**i.** Raise and reconnect arms (insert bolt with flat at bottom so lines up with 'D' hole flat)



### **J. EXTRA TOE - SMALL ARMS FRONT OF SUBFRAME**

Unbolt arms - Then use bench vice and the '2' small tubes - Large tube to support arm small tube to press out the OEM Toe bush on each side. Press in the new K-MAC bushes. (till "EVENLY" centered)



**K.** Reconnect Toe arms with cam washers supplied and 'tab' lock washers under each nut

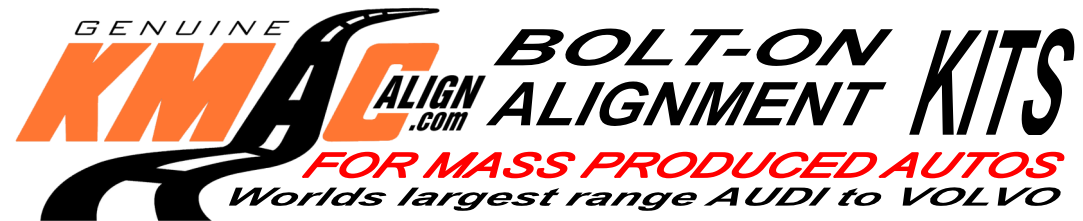
**WHEEL ALIGNMENT ("WITH TIRES ON SLIDE PLATES")**  
**SIMPLY ROTATE BOLT HEADS - UNIQUE K-MAC PATENTED SYSTEM**  
(allowing accurate adjustment "under load")

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-'24 Incl. AMG, Black Series									
FINALLY - ON GOING / PRECISE ADJUSTMENT Resolve Steering Pull, Premature Edge Tire Wear									
PAGE	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 - 550, 63, 65 AMG	#502916	K				
8	'10-'18	W212, C218 4MATIC		#503616	K				
		● Also Adjustable Strut Top Mounts - If Coil Spring Suspension	Stage 2 (Street/Race)	#502916-2L					
		** ALSO UPPER ADJUSTABLE WISHBONE BUSH LISTING - SEE BOTTOM OF PAGE 6 & 7	Stage 3 (Full Race)	#502916-3L					
7	'15-'24	W205 / A / C / S, **C180 - C350 4MATIC - **C220 - C450 / C43 AMG	AMG GT4 Door ALL 43 to 63/S #503416-3	#502816	K				
	'21-'24	W206/e 4MATIC - C180 - C300 C200 - C400e / C43 AMG		#503416	K				
				#503316	K				
				#503116	K				
				#503216	K				
7	'16-'24	**EQC, W213 E43/53/63, E220-450, **C253/X GLC, AMG / 4MATIC		#503416	K				
	'13-'24	**W213 E200-350, **C238, **C217, **C257		#502816	K				
	'13-'20	W222/S, 63/65 AMG, Maybach ('15-'20).		#503016	K				
	'21-'24	W223, S350-680, AMG 63, Maybach		#503716	N				
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)	#502616-2L					
			Stage 3 (Full Race)	#502616-3L					
		● Also Adjustable Strut Top Mounts - If Coil Spring Suspension	Stage 2 (Street/Race)	#503016-2L					
		W204/X, C207/A Incl. AMG, 'Black' Series	Stage 3 (Full Race)	#503016-3L					
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	#502016	J				
9	'96-'09	W210 (502116K)	"4MATIC" - W210, W211/S, W220	#502416	K				
9	'06-'14	W216, W221 #502316.	'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				
<b>REAR &amp; Extra TOE</b> : Upated Bushings 6 Multi link rear arms Page 14									
Upper Camber arms (and extra Toe) Page 12-14									
12	'14-'24	Coil Susp. W205 (all incl. AMG C43 *C63/S) W213, C238, 253, 257 (#502226K)	AIRMATIC	#502326	K				
12	'14-'24	W205 (*C63/S Coupe #502326-1K)	All above AMG & GT 4 Door	#502326-2K					
	'21-'24	W206/e C180 - C300		#503126	K				
12	'00-'18	W204 incl. AMG, Black Series, C207, W212, W215, C218, R231		#502126	K				
12	'01-'11	W211, C219, R230 Airmatic incl. AMG #502526K. W211, C219, R230 (Coil Susp / 4matic)		#502126-1	K				
12	'06-'24	W216, 221, 222/S, C217 Maybach 15-20 (#502626K).	W223, Maybach	#503726	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				
<b>SUV, SPRINTER, VITO, A/B/CLA/GLA AMG</b>									
				FRONT		REAR			
SUV **W167 / X, V167 GLE/GLS, C293				11	#504216	P	14	#504226	N
**W166 / X, C292					#504016	N		#504026	K
**W164 / X, ML W251					#503816	N		#504026	K
W163 (FRONT - Camber only)					#503916	i	15	#503926	J
Sprinter W910 ('19-'24) incl. 'E' Strut Mounts Camber & Caster				11	#505816	L			
W906 Camber & Caster '4' lower arm bushes)					#505716	K			
W903 ('96-'14) Camber & Caster '4' lower arm bushes)					#505616	K			
Vito W447, 448 ('14-'24) incl. 'E' Strut Mounts Camber & Caster					#506016	L	14	#505226	K
Metris W639 ('03-'14) Lower arm bushes Camber & Caster				11	#505116	K		#505126	K
Valente W638, W639 ('03-'14) Front Camber only (See Page 11)					#120216	D		#505126	K
2018-2024 W177/A35/45/S, C118 CLA, 247B/X GLA STRUT TOPS				12	#506216-2	L			
(Precise Camber & Caster) STAGE 2 (STREET/RACE)					#506216-3	L			
STAGE 3 (FULL RACE)					#506216-4	M			
Extra Camber & Caster (Race days) lower arm (inner)									
2012-2020 W176/A45, C117 CLA, B246, X156 GLA STRUT TOPS				8	#506116-2	L			
(Precise Camber & Caster) STAGE 2 (STREET/RACE)					#506116-3	L			
STAGE 3 (FULL RACE)					#506116-4	K			
Extra Camber & Caster (Race days) lower arm (inner)					#120216	D			
'98-'20 Front Camber Only (See Page 11)				11			14	#506126	K
REAR ('13-'20) lower arm Camber (& extra Toe) bushes.								#506128	K
Trail Arm front bushes - Contain side load / G Forces								#506128-1J	
Upated bushes (8) - With above kits eliminates rear end flex.									



**SIMPLY THE BEST....**

1964 - "EXPERIENCE" of Mnf. Adjustable Strut tops & Bushing kits  
LONGER THEN ANY OTHER BRAND !

**SUIT MERCEDES - W205, W213, W253**  
**REAR CAMBER - FIT "WITHOUT" ARM REMOVAL**

**(& EXTRA TOE) #502326K**  
● No OEM adjustment ●

**AIRMATIC - "Forged Alloy" Lower Arms**

**FRONT - CAMBER & CASTER KITS ALSO MANUFACTURED**  
● Lower inner adjustable bushings (up to 2°'s Pos. or Neg.)  
● Also upper inner wishbone bushings up to (1.5°'s Pos. or Neg.)

**A REVOLUTION IN SIMPLIFIED ADJUSTMENT**

**(NOT ONLY BOLT-ON)**

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.

SIMPLY BY ROTATING BOLT HEADS.

**K-MAC UNIQUE PATENTED INTERLOCKING BOLT / BUSH DESIGN**

\* K-MAC are designed to adjust lower arms (unlike upper Camber arms) retaining clearance top of tire to outer fender when wanting to reduce inner edge tire wear. Essential if wide profile tires / wheels fitted. Also K-MAC kits include extra Toe adjustment to compensate for the new Camber facility.

NOTE: KMAC UPPER ADJUSTABLE ARMS #502226-3M - Recommend only if wanting to increase Negative Camber / Clearance top of tire to outer fender.