

**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 (& EXTRA TOE)

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

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

KMAC "Precisely Adjustable" -
Single Wrench - "accurately" under load
KMAC 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

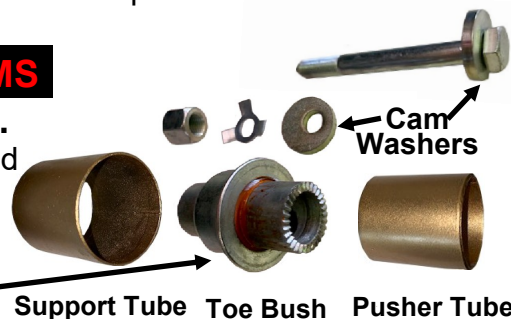
- A.** Install with vehicle on 4 post hoist or car ramps to aid reconnection of inner bolts step K.

B. EXTRA TOE - UNBOLT ARMS

Located FRONT of subframe.

After arm removal 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 KMAC bushes.

(till "EVENLY" centered)



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

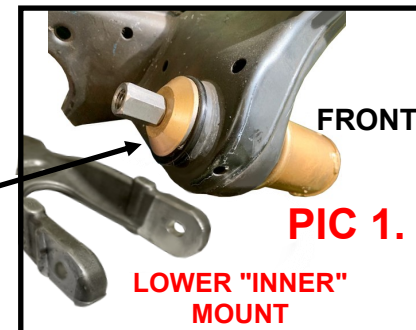
D. CAMBER - LOWER ARMS INNER BUSHES

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

- E.** 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).

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

- F.** 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).

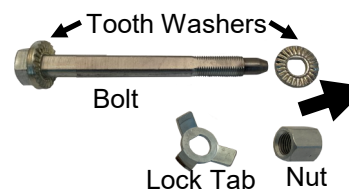


- G.** Clean hole and insert the new KMAC elastomer bushes. Now lubricate the steel inner bushes (only) with silicone grease supplied and insert.

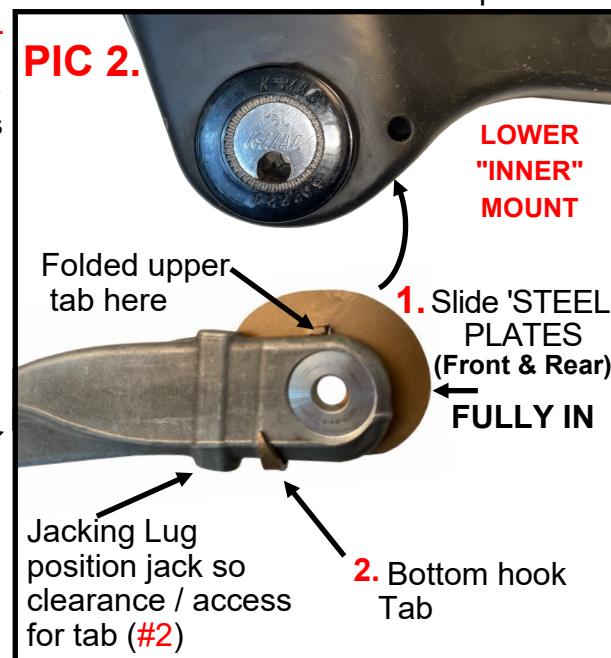
- H.** For ease of "bolt entry" rotate bush 'D' holes to 6 o'clock position. (Flat then is to bottom).

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

- 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 ALIGNMENT ("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 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

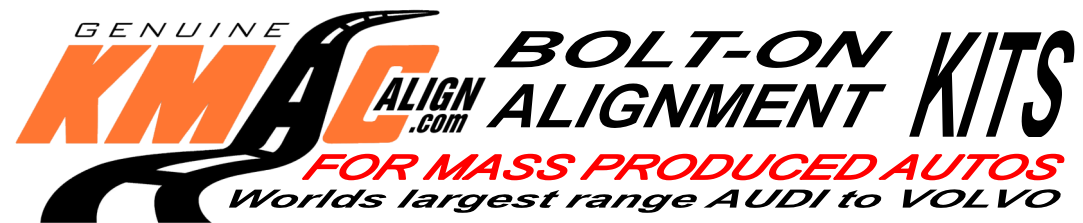
ESSENTIAL RECHECK MAKE SURE 4 NUTS ARE FULLY TIGHT

(Loose Nuts Cause Noise Noticeable Camber Change)

#502326K

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PAGE	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 - 550, 63, 65 AMG	#502916 K	
8	'10-'18	W212, C218 4MATIC		#503616 K	
		● Also Adjustable Strut Top Mounts - If Coil Spring Suspension		#502916-2L	
		Stage 2 (Street/Race)		#502916-3L	
		** 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	4MATIC **C300, C400, C450 / C43 AMG {AMG GT4 Door}	#502816 K	
		C63/A/C, 63S AMG		#503416 K	
		ALL 43 to 63/S		#503316 K	
7	'16-'23	**EQC/E/S W213 E43/53/63, E220-450, **C253/X GLC, AMG / 4MATIC		#503416 K	
	'13-'23	**W213 E200-350, **C238, **C217, W222 / 223 / S, S63 / 65 AMG, Maybach ('15-'20)		#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)		#502616-2 L	
		Stage 2 (Street/Race)		#502616-3 L	
		● Also Adjustable Strut Top Mounts - If Coil Spring Suspension		#503016-2 L	
		W204/X, C207/A Incl. AMG, 'Black' Series		#503016-3 L	
		Stage 3 (Full Race)			
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)		● Updated Bushings 6 Multi link rear arms Page 14			
		Upper Camber arms (and extra Toe) Page 12-14			
12	'14-'23	Coil Susp. W205 (incl. AMG E43 *C63/S) W213, 253 (#502226K) Air/4MATIC/E		#502326 K	
12	'14-'23	W205 *C63/S Coupe (#502326-1K). Above AMG models * & GT 4		#502326-2K	
12	'00-'18	W204 incl. AMG, Black Series, C207, W212, W215, C218, R231		#502126 K	
12	'01-'11	W211, C219, R230 Airmatic / 4matic incl. AMG #502526K. W211, C219, R230 (Coil Susp)		#502126-1 K	
12	'06-'20	W216, 221, 222, C217, C238, C257 (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	
SUV, SPRINTER, VITO, A/B/CLA/GLA AMG		FRONT	REAR		
SUV	**W167 / X, V167 GLE/GLS, C293 Upper Inner Bushes	11 #504216 P	14 #504226 N	REAR Bushings and / or Upper Arms (Page 14)	
	**W166 / X, C292	#504016 N	#504026 K		
	**W164 / X, ML W251	#503816 N	#504026 K		
	W163 (Camber only)	#503916 G	15 #503926 i		
Sprinter	W910 ('19-'23) incl. 'E' Strut Mounts Camber & Caster	11 #505816 L		Also see Page 11 (Front Camber ONLY)	
	W906 Camber & Caster '4' lower arm bushes	#505716 K			
	W903 ('96-'14) Camber & Caster '4' lower arm bushes	#505616 K			
Vito	447, 448 ('14-'23) incl. 'E' Strut Mounts Camber & Caster	#506016 L	14 #505226 K		
Metris	W639 ('03-'14) Lower arm bushes only	11 #505116 K	#505126 K		
Valente	W638 ('96-'03) Front Camber only (See page 11)	#120216 D	#505126 K		
2018-2023 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			
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			
Extra Camber & Caster (Race days) lower arm (inner)		11 #506116-4 K			
'98-'20 Front Camber Only (See Page 11)		#120216 D	14 #506126 K		
REAR ('13-'20) lower arm Camber (& extra Toe) bushes.			#506128 K		
Trail Arm front bushes - Contain side load / G Forces			#506128 K		
Updated bushes (8) - With above kits eliminates rear end flex.			#506128-1J		



Mercedes - REAR "Camber & Extra Toe"
#502326K

W205, W213, W253

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.)

Single Wrench - "accurately" under load
DIRECT ON ALIGNMENT RACK

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. SIMPLY BY ROTATING BOLT HEADS.

KMAC UNIQUE PATENTED INTERLOCKING BOLT / BUSH DESIGN

- * KMAC 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 KMAC 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.