

NOW CAN
ADJUST TIRE
'CONTACT'
ANGLES

FINALLY FRONT & REAR ONGOING

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

W211, W219, R230 "Coil" Susp. #502126-1K

REAR CAMBER (& EXTRA TOE) ADJUSTABLE BUSHINGS

Precisely Adjustable - Single Wrench
(accurately under load - direct on alignment rack)

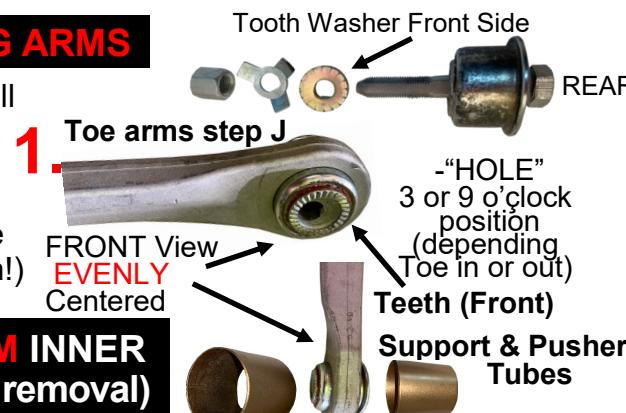
WRENCH: 2 x 18mm, 2 x 16mm. SOCKET: 1 x 18mm E, 1 x 18mm (Ext.), 1 x 12mm (Multi Spline)

Refer maintenance manual and observe all Safety procedures.
Installation should be carried out by a Qualified Person.

A. Vehicle on 4 Post hoist to aid reconnection of inner Camber bolts STEP i.

B. TOE - UNBOLT EXISTING ARMS

Use bench vice and the '2' small tubes supplied to press out the "outer" Toe bush on each side. Then press in (even distance) the new KMAC bushes (Can be pushed in, in any offset position!)

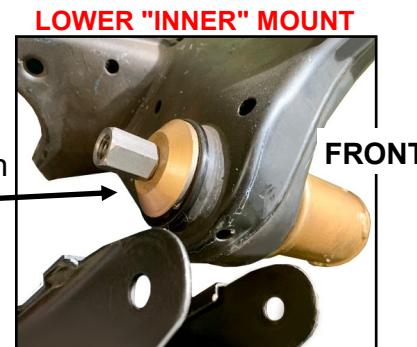


C. CAMBER - LOWER ARM INNER BUSHES (Fit without arm removal)

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 way re-adjust jack - (if not easy to tap out) - bolt head should be horizontal.

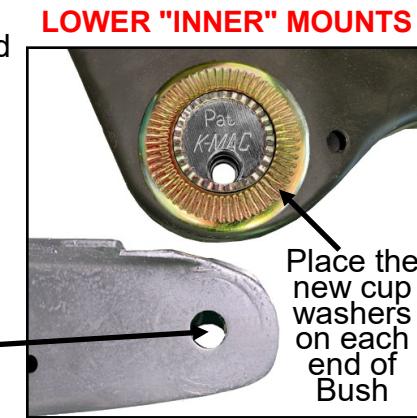
F. Slowly lower jack - sufficient only for end of arm to expose the bush in frame. Then install the KMAC threaded rod tool **FROM FRONT** (as in Pic) and large washer on REAR to extract bush 18mm ext. socket (can be tight - use impact wrench if available).



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 preferably rotate bush 'D' holes to 6 o'clock position. **(Flat then is to bottom)**.

I. Place the new cup washers on each end of the elastomer bushes as in pic. 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 bottom**). **NOTE:** "TOOTH" WASHERS: Place under head of bolt first - then prior to tab lock washer and nut as shown



J. Reconnect Toe arms - New "outer" bushes (tooth washers on "thread end" front) then tab lock washer and nut. **Important to rotate bolt head so bush "offset" in "horizontal" position** Example - Toe "In" LH side "offset" 3'OClock. RH at 9'OClock. Then "precisely" adjust **Toe using existing OEM inner bolts - as per below**

WHEEL ALIGN ("WITH TIRES ON SLIDE PLATES")

1. **CAMBER - "ESSENTIAL" TOE ARM....**
"INNER" MOUNTS DISCONNECTED ●
PRIOR TO ADJUSTING CAMBER !
TO PREVENT BINDING / LOCKING UP !

SIMPLY ROTATE BOLT HEADS — UNIQUE KMAC PATENTED SYSTEM
Allowing accurate adjustment - under load (Make sure lock nuts loose)

2. **"TOE" ADJUSTMENT**
PRECISELY ADJUST USING THE "EXISTING"
INNER BOLTS (ALSO REFER STEP 'J')

Once required settings obtained hold head of bolts in this position and tighten nuts to 110Nm (80ft/lbs)

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)
	'10-'18	W212, E200 - 550, E63, E65/S AMG	
8	'10-'18	W212, C218 4MATIC • Also Adjustable Strut Top Mounts - If Coil Spring Suspension	C218 CLS 250 - 550, 63, 65 AMG Stage 2 (Street/Race) Stage 3 (Full Race)
** ALSO UPPER ADJUSTABLE WISHBONE BUSH LISTING - SEE BOTTOM OF PAGE 6 & 7			
7	'15-'24	W205 / A / C / S, **C180 - C350 4MATIC, **C220 - C450 / C43 AMG C63/A/C, 63S AMG	AMG GT4 Door ALL 43 to 63/S #503416-3
	'21-'24	W206/e 4MATIC - C180 - C300 C200 - C400e / C43 AMG	#502816 K #503416 K #503316 K #503116 K #503216 K
7	'16-'24 '13-'24 '13-'20 '21-'24	**EQC, W213 E43/53/63, E220-450, **C253/X GLC, AMG / 4MATIC **W213 E200-350, **C238, **C217, **C257 W222/S, 63/65 AMG, Maybach ('15-'20). W223, S350-680, AMG 63, Maybach	#503416 K #502816 K #503016 K #503716 N
7	'02-'20	R172, W204/C207, AMG, Black' (C209 AMG, Black #503516K, 270 - 500 #502216K) • Also Adjustable Strut Top Mounts - for C209 'Black' Series (only)	#502616 K Stage 2 (Street/Race) Stage 3 (Full Race) #502616-3 L #503016-2 L #503016-3 L
		• Also Adjustable Strut Top Mounts - If Coil Spring Suspension W204/X, C207/A Incl. AMG, 'Black' Series	Stage 2 (Street/Race) 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 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 • Also (124,129) Adjustable Strut Top Mounts (#501716-2 L, #501716-3 L)	#501716 J
10	'77-'91	W123, W126 Camber only Have adjustment KMAC doubles adj. range	#501616 H
REAR & Extra TOE)		• Uprated 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 '21-'24	W205 (*C63/S Coupe #502326-1K) All above AMG & GT 4 Door W206/e C180 - C300	#502326-2K #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 (300C, Charger #502726 K) *A208 Convertible	#502026 H #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 **W166 / X, C292 **W164 / X, ML W251 W163 (FRONT - Camber only)	11 #504216 P #504016 N #503816 N #503916 i	14 #504226 N #504026 K #504026 K #503926 J
Sprinter	W910 ('19-'24) incl. 'E' Strut Mounts Camber & Caster W906 Camber & Caster '4' lower arm bushes W903 ('96-'14) Camber & Caster '4' lower arm bushes)	11 #505816 L #505716 K #505616 K	REAR Bushings and / or Upper Arms Also see Page 11 (Front Camber ONLY)
Vito Metris Valente	W447, 448 ('14-'24) incl. 'E' Strut Mounts Camber & Caster W639 ('03-'14) Lower arm bushes Camber & Caster W638, W639 ('03-'14) Front Camber only (See Page 11)	11 #506016 L #505116 K #120216 D	14 #505226 K #505126 K #505126 K
2018-2024	W177/A35/45/S, C118 CLA, 247B/X GLA STRUT TOPS (Precise Camber & Caster) STAGE 2 (STREET/RACE) STAGE 3 (FULL RACE) Extra Camber & Caster (Race days) lower arm (inner)	12 #506216-2 L #506216-3 L #506216-4 M	
2012-2020	W176/A45,C117 CLA,B246,X156 GLA STRUT TOPS (Precise Camber & Caster) STAGE 2 (STREET/RACE) STAGE 3 (FULL RACE) Extra Camber & Caster (Race days) lower arm (inner) '98-'20 Front Camber Only (See Page 11)	8 #506116-2 L #506116-3 L #506116-4 K #120216 D	14 #506126 K #506128 K #506128-1J
	REAR ('13-'20) lower arm Camber & extra Toe) bushes. Trail Arm front bushes - Contain side load / G Forces Uprated bushes (8) - With above kits eliminates rear end flex.		Have Rear Toe, KMAC provides also Camber & doubles Toe adjustment range.



MERCEDES - "REAR Camber & Toe"
#502126-1K
W211, W219, R230 "Coil" Susp.

FRONT - CAMBER & CASTER ALSO MANUFACTURED
(Both lower arms or upper wishbone bushes)

- KMAC - PRECISE ADJUSTMENT FACILITY FOR THE 1st. TIME •**
Tires are expensive - Resolve costly, premature edge tire wear-
Improve traction - Ongoing adjustment for curb knock damage,
altering height or changing tire widths.

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

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

- 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.
- Unlike virtually all other brands** — we do not use solid metal to metal spherical bearings which transmit road noise and prematurely pound out. Instead patented design long life elastomer bushings (with twice the load bearing of spherical bearings or OEM bushings) allowing also improved handling response.