

















change to	 ECE (A)  US Models  Japanese Models	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
		Version	ECE - Models with Mechanical transmission				
		Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data - Steering and Wheel alignment		Unit					
32 00 ... Front Wheel Alignment							
Refer to testing Conditions to chapter 32 00 034							
Total toe		°	-	14' ⁺⁹ -4'		-	
		mm	-	1,5 ⁺¹ -0,5		-	
	> model ' 80	°	18' ± 5'		10' ± 5'		
		mm	2,0 ± 0,6		-		
	- with TRX 390 wheels	mm	2,1 ± 0,6		1,4 ± 0,6		
	- with TRX 415 wheels	mm	-		1,5 ± 0,6		
Camber	- in normal position	°	0° ± 30'		-		
	> model 5.82	°	-20' ± 30'		-27 ± 30'		
	- vehicle with M - Technic	°	-37' ± 30'		-		
Toe difference angle with 20° inside wheel lock		°	1° ± 30'		-		
	> model ' 80	°	1° 50' ± 30'				
King pin inclination		°	8° ± 30'		-		
	> model 5.82	°	-		12° 15' ± 30'		
	at ± 10° wheel lock	°	11° 57' ± 30'		-		
	at ± 20° wheel lock	°	12° ± 30'		-		
	- vehicle with M - Technic	°	12° 38' ± 30'		-		
Caster		°	7° 40' ± 30'		-		
	> model 5.82						
	at ± 10° wheel lock	°	8° ± 30'		8° 8' ± 30'		
	at ± 20° wheel lock	°	8° 20' ± 30'		8° 23' ± 30'		
	- vehicle with M - Technic						
	at ± 10° wheel lock	°	8° 20' ± 30'		-		
	at ± 20° wheel lock	°	8° 35' ± 30'		-		
Caster difference	max.	°	0° 30'				
Wheel displacement		°	0° ± 15'				
Maximum wheel Lock							
- Inside wheel	approx.	°	43		-		
	> model 5.82	°	43,7		39,6		
- Outside wheel	approx.	°	32° 30'		-		
	> model 5.82	°	33,1				
- Turning circle dia.	approx.	m	11,2		-		
	> model 5.82	m	10,9		11,6		


change to	 ECE (A)	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Mechanical transmission				
	 Japanese Models	Model	628 CS i	630 CS	633 CS i	635 CS i	M 6
Technical Data - Steering and Wheel alignment		Unit					
32 00 ... Rear Wheel Alignment							
Refer to testing Conditions to chapter 32 00 054							
Total toe		°	18,6' ± 7,7'				-
		mm	2 ± 0,8				-
> model ' 80		°	18' ± 7'				28' ± 7'
		mm	2,0 ± 0,8				-
- with TRX 390 wheels		mm	2,1 ± 0,8				3,4 ± 0,8
- with TRX 415 wheels		mm	-				3,5 ± 0,8
- vehicle with M - Technic		°	18' ± 7'				-
		mm	3,0 ± 0,8				-
- with TRX 390 wheels		mm	3,4 ± 0,8				-
Camber (negative)		°	-2° ± 30'				-
> model 5.82		°	-2° 20' ± 30'				-2° 32' ± 30'
- vehicle with M - Technic		°	-2° 35' ± 30'				-
Geometrical axis		°	0° ± 15'				
32 13 .. Steering gear							
Code number	- LHD		80 52 955 172				-
	> model 5.82		80 52 955 213				80 52 955 300
	- RHD		80 52 955 187				-
			80 52 955 203				
	> model 5.82		80 52 955 214				-
Ratio			14,5 : 1				-
	> model 5.82		13,5 : 1				
Oil grade			see BMW - Service Information				
Pil volume in hydraulic circuit		cm ³	1200				-
	> model 5.82		2000				
Pressure point friction torque		Nm	0,3 ... 0,4				-
	> model ' 80	Nm	1,0 ... 1,2				
Axial play of adjusting srew			0 ... 0,5				
32 33 ... Steering wheel							
Nut			M 14 x 1				
32 41 ... Power Steering Pump							
Code number			76 72 955 210				-
	> model ' 80		76 71 955 120				-
	> model 5.82		76 71 955 144				76 81 955 110
Max. rated pressure	- at engine idle speed	bar	100 ... 110				110 ... 120
32 41 ... Drive Belt							
Type			9,5 x 900 LA				



change to	 ECE  US Models  Japanese Models	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
		Version	ECE - Models with Automatic transmission				
		Model	628 CS i A	630 CS A	633 CS i A	633 CS i A 	635 CS i A
Technical Data	- Steering and Wheel alignment	Unit					
32 00 ... Front Wheel Alignment							
Refer to testing Conditions to chapter 32 00 034							
Total toe		°	-			14' +9' -4'	
		mm	-			1,5 +1 -0,5	
	> model ' 80	°				18' ± 5'	
		mm				2,0 ± 0,6	
	- with TRX 390 wheels	mm				2,1 ± 0,6	
	- with TRX 415 wheels	mm				-	
Camber	- in normal position	°				0° ± 30'	
	> model 5.82	°				-20' ± 30'	
	- vehicle with M - Technic	°				-37' ± 30'	
Toe difference angle with 20° inside wheel lock		°				1° ± 30'	
	> model ' 80	°				1° 50' ± 30'	
King pin inclination		°				8° ± 30'	
	> model 5.82	°				-	
	at ± 10° wheel lock	°				11° 57' ± 30'	
	at ± 20° wheel lock	°				12° ± 30'	
	- vehicle with M - Technic	°				12° 38' ± 30'	
Caster		°				7° 40' ± 30'	
	> model 5.82						
	at ± 10° wheel lock	°				8° ± 30'	
	at ± 20° wheel lock	°				8° 20' ± 30'	
	- vehicle with M - Technic						
	at ± 10° wheel lock	°				8° 20' ± 30'	
	at ± 20° wheel lock	°				8° 35' ± 30'	
Caster difference	max.	°				0° 30'	
Wheel displacement		°				0° ± 15'	
Maximum wheel Lock							
- Inside wheel	approx.	°				43	
	> model 5.82	°				43,7	
- Outside wheel	approx.	°				32° 30'	
	> model 5.82	°				33,1	
- Turning circle dia.	approx.	m				11,2	
	> model 5.82	m				10,9	

change to	 ECE	Year	79 - 87	75 - 79	75 - 81	77 - 89	83 - 89
	 US Models	Version	ECE - Models with Automatic transmission				
	 Japanese Models	Model	628 CS i A	630 CS A	633 CS i A	633 CS i A 	635 CS i A
Technical Data - Steering and Wheel alignment		Unit					
32 00 ... Rear Wheel Alignment							
Refer to testing Conditions to chapter 32 00 054							
Total toe		°	18,6' ± 7,7'				
		mm	2 ± 0,8				
	> model ' 80	°	18' ± 7'				
		mm	2,0 ± 0,8				
	- with TRX 390 wheels	mm	2,1 ± 0,8				
	- with TRX 415 wheels	mm	-				
	- vehicle with M - Technic	°	18' ± 7'				
		mm	3,0 ± 0,8				
	- with TRX 390 wheels	mm	3,4 ± 0,8				
Camber (negative)		°	-2° ± 30'				
	> model 5.82	°	-2° 20' ± 30'				
	- vehicle with M - Technic	°	-2° 35' ± 30'				
Geometrical axis		°	0° ± 15'				
32 13 .. Steering gear							
Code number	- LHD		80 52 955 172				
	> model 5.82		80 52 955 213				
	- RHD		80 52 955 187				
			80 52 955 203				
	> model 5.82		80 52 955 214				
Ratio			14,5 : 1				
	> model 5.82		13,5 : 1				
Oil grade			see BMW - Service Information				
Pil volume in hydraulic circuit		cm ³	1200				
	> model 5.82		2000				
Pressure point friction torque		Nm	0,3 ... 0,4				
	> model ' 80	Nm	1,0 ... 1,2				
Axial play of adjusting srew			0 ... 0,5				
32 33 ... Steering wheel							
Nut			M 14 x 1				
32 41 ... Power Steering Pump							
Code number			76 72 955 210				
	> model ' 80		76 71 955 120				
	> model 5.82		76 71 955 144				
Max. rated pressure	- at engine idle speed	bar	100 ... 110				
32 41 ... Drive Belt							
Type			9,5 x 900 LA				

change to		ECE	Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88
		ECE (A)	Version	US Models					
		Japanese Models	Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data		- Steering and Wheel alignment	Unit						
32 00 ... Front Wheel Alignment									
Refer to testing Conditions to chapter 32 00 034									
Total toe		°		14' + 9'				-	
		mm		1,5 + 1				-	
	> model ' 80	°		18' ± 5'				10' ± 5'	
		mm		2,0 ± 0,6				-	
	- with TRX 390 wheels	mm		2,1 ± 0,6				1,4 ± 0,6	
	- with TRX 415 wheels	mm		-				1,5 ± 0,6	
Camber	- in normal position	°		0° ± 30'				-	
	> model 5.82	°		-20' ± 30'				-27 ± 30'	
	- vehicle with M - Technic	°		-37' ± 30'				-	
Toe difference angle with 20° inside wheel lock		°		1° ± 30'				-	
	> model ' 80	°		1° 50' ± 30'					
King pin inclination		°		8° ± 30'				-	
	> model 5.82	°		-				12° 15' ± 30'	
	at ± 10° wheel lock	°		11° 57' ± 30'				-	
	at ± 20° wheel lock	°		12° ± 30'				-	
	- vehicle with M - Technic	°		12° 38' ± 30'				-	
Caster		°		7° 40' ± 30'				-	
	> model 5.82								
	at ± 10° wheel lock	°		8° ± 30'				8° 8' ± 30'	
	at ± 20° wheel lock	°		8° 20' ± 30'				8° 23' ± 30'	
	- vehicle with M - Technic								
	at ± 10° wheel lock	°		8° 20' ± 30'				-	
	at ± 20° wheel lock	°		8° 35' ± 30'				-	
Caster difference	max.	°		0° 30'					
Wheel displacement		°		0° ± 15'					
Maximum wheel Lock									
- Inside wheel	approx.	°		43				-	
	> model 5.82	°		43,7				39,6	
- Outside wheel	approx.	°		32° 30'				-	
	> model 5.82	°		33,1					
- Turning circle dia.	approx.	m		11,2				-	
	> model 5.82	m		10,9				11,6	

change to		ECE	Year	76 - 77	77 - 84	77 - 84	84 - 89	84 - 89	86 - 88
		ECE (A)	Version	US Models					
		Japanese Models	Model	630 CS i	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data	- Steering and Wheel alignment		Unit						
32 00 ... Rear Wheel Alignment									
Refer to testing Conditions to chapter 32 00 054									
Total toe			°	18,6' ± 7,7'					-
			mm	2 ± 0,8					-
	> model ' 80		°	18' ± 7'					28' ± 7'
			mm	2,0 ± 0,8					-
	- with TRX 390 wheels		mm	2,1 ± 0,8					3,4 ± 0,8
	- with TRX 415 wheels		mm	-					3,5 ± 0,8
	- vehicle with M - Technic		°	18' ± 7'					-
			mm	3,0 ± 0,8					-
	- with TRX 390 wheels		mm	3,4 ± 0,8					-
Camber (negative)			°	-2° ± 30'					-
	> model 5.82		°	-2° 20' ± 30'					-2° 32' ± 30'
	- vehicle with M - Technic		°	-2° 35' ± 30'					-
Geometrical axis			°	0° ± 15'					
32 13 .. Steering gear									
Code number	- LHD			80 52 955 172					-
	> model 5.82			80 52 955 213					80 52 955 300
	- RHD			80 52 955 187					-
				80 52 955 203					
	> model 5.82			80 52 955 214					-
Ratio				14,5 : 1					-
	> model 5.82			13,5 : 1					
Oil grade				see BMW - Service Information					
Pil volume in hydraulic circuit			cm ³	1200					-
	> model 5.82			2000					
Pressure point friction torque			Nm	0,3 ... 0,4					-
	> model ' 80		Nm	1,0 ... 1,2					
Axial play of adjusting srew				0 ... 0,5					
32 33 ... Steering wheel									
Nut				M 14 x 1					
32 41 ... Power Steering Pump									
Code number				76 72 955 210					-
	> model ' 80			76 71 955 120					-
	> model 5.82			76 71 955 144					76 81 955 110
Max. rated pressure	- at engine idle speed		bar	100 ... 110					110 ... 120
32 41 ... Drive Belt									
Type				9,5 x 900 LA					

change to		ECE	Year	78 - 84	78 - 84	84 - 88	84 - 88	86 - 88	
		ECE (A)	Version	Japanese Models					
		US Models	Model	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6	
Technical Data		- Steering and Wheel alignment		Unit					
32 00 ... Front Wheel Alignment									
Refer to testing Conditions to chapter 32 00 034									
Total toe		°		14' +9'				-	
		mm		1,5 +1				-	
	> model ' 80	°		18' ±5'				10' ±5'	
		mm		2,0 ±0,6				-	
	- with TRX 390 wheels	mm		2,1 ±0,6				1,4 ±0,6	
	- with TRX 415 wheels	mm		-				1,5 ±0,6	
Camber	- in normal position	°		0° ± 30'				-	
	> model 5.82	°		-20' ± 30'				-27 ± 30'	
	- vehicle with M - Technic	°		-37' ± 30'				-	
Toe difference angle with 20° inside wheel lock		°		1° ± 30'				-	
	> model ' 80	°		1° 50' ± 30'				-	
King pin inclination		°		8° ± 30'				-	
	> model 5.82	°		-				12° 15' ± 30'	
	at ± 10° wheel lock	°		11° 57' ± 30'				-	
	at ± 20° wheel lock	°		12° ± 30'				-	
	- vehicle with M - Technic	°		12° 38' ± 30'				-	
Caster		°		7° 40' ± 30'				-	
	> model 5.82								
	at ± 10° wheel lock	°		8° ± 30'				8° 8' ± 30'	
	at ± 20° wheel lock	°		8° 20' ± 30'				8° 23' ± 30'	
	- vehicle with M - Technic								
	at ± 10° wheel lock	°		8° 20' ± 30'				-	
	at ± 20° wheel lock	°		8° 35' ± 30'				-	
Caster difference	max.	°		0° 30'					
Wheel displacement		°		0° ± 15'					
Maximum wheel Lock									
- Inside wheel	approx.	°		43				-	
	> model 5.82	°		43,7				39,6	
- Outside wheel	approx.	°		32° 30'				-	
	> model 5.82	°		33,1					
- Turning circle dia.	approx.	m		11,2				-	
	> model 5.82	m		10,9				11,6	

change to	 ECE  US Models	Year	78 - 84	78 - 84	84 - 88	84 - 88	86 - 88
		Version	Japanese Models				
		Model	633 CS i	633 CS i A	635 CS i	635 CS i A	M 6
Technical Data	- Steering and Wheel alignment	Unit					
32 00 ... Rear Wheel Alignment							
Refer to testing Conditions to chapter 32 00 054							
Total toe		°	18,6' ± 7,7'			-	
		mm	2 ± 0,8			-	
	> model ' 80	°	18' ± 7'			28' ± 7'	
		mm	2,0 ± 0,8			-	
	- with TRX 390 wheels	mm	2,1 ± 0,8			3,4 ± 0,8	
	- with TRX 415 wheels	mm	-			3,5 ± 0,8	
	- vehicle with M - Technic	°	18' ± 7'			-	
		mm	3,0 ± 0,8			-	
	- with TRX 390 wheels	mm	3,4 ± 0,8			-	
Camber (negative)		°	-2° ± 30'			-	
	> model 5.82	°	-2° 20' ± 30'			-2° 32' ± 30'	
	- vehicle with M - Technic	°	-2° 35' ± 30'			-	
Geometrical axis		°	0° ± 15'				
32 13 .. Steering gear							
Code number	- LHD		80 52 955 172			-	
	> model 5.82		80 52 955 213			80 52 955 300	
	- RHD		80 52 955 187			-	
			80 52 955 203			-	
	> model 5.82		80 52 955 214			-	
Ratio			14,5 : 1			-	
	> model 5.82		13,5 : 1			-	
Oil grade			see BMW - Service Information				
Pil volume in hydraulic circuit		cm ³	1200			-	
	> model 5.82		2000			-	
Pressure point friction torque		Nm	0,3 ... 0,4			-	
	> model ' 80	Nm	1,0 ... 1,2			-	
Axial play of adjusting srew			0 ... 0,5				
32 33 ... Steering wheel							
Nut			M 14 x 1				
32 41 ... Power Steering Pump							
Code number			76 72 955 210			-	
	> model ' 80		76 71 955 120			-	
	> model 5.82		76 71 955 144			76 81 955 110	
Max. rated pressure	- at engine idle speed	bar	100 ... 110			110 ... 120	
32 41 ... Drive Belt							
Type			9,5 x 900 LA				



Service-Information BMW Automobile



Service-Information BMW Automobile



Service-Information BMW Automobile

All Service Informations are saved in german language, please find them in the german manual.