

2001 BMW X5

2000-03 SUSPENSION Rear Axle - Technical Data - X5 (4.4L)

2000-03 SUSPENSION**Rear Axle - Technical Data - X5 (4.4L)****GENERAL****33 10 FINAL DRIVE E38 / E53 / E60 / E61 / E65 / E66 188K****33 10 FINAL DRIVE E38 / E53 / E60 / E61 / E65 / E66 188K TECHNICAL DATA**

Use only approved rear differential oils (refer to BMW Service Operating Fluids).		
New oil filling volume	ltr.	1.2
Oil change volume	ltr.	1.2

33 10 FINAL DRIVE E53 / E60 / E61 / E63 / E64 / E65 / E66 / E67 215K**33 10 FINAL DRIVE E53 / E60 / E61 / E63 / E64 / E65 / E66 / E67 215K TECHNICAL DATA**

Use only approved rear differential oils (refer to BMW Service Operating Fluids).		
New oil filling volume	ltr.	1.4
Oil change volume	ltr.	1.4

33 00 GENERAL - TRACK WIDTH E53 2-AXLE AIR SUSPENSION, LOW-SLUNG**33 00 GENERAL - TRACK WIDTH E53 2-AXLE AIR SUSPENSION, LOW-SLUNG TECHNICAL DATA**

Track width for normal position and press-in depth (ET)		
- ET40	mm	1576

33 00 GENERAL - TRACK WIDTH E53 X5 3.0D, X5 3.0I WITH 1-AXLE AIR SUSPENSION**33 00 GENERAL - TRACK WIDTH E53 X5 3.0D, X5 3.0I WITH 1-AXLE AIR SUSPENSION TECHNICAL DATA**

Track width for normal position and press-in depth (ET)		
-ET40	mm	1576

33 00 GENERAL - TRACK WIDTH E53 X5 3.0D, X5 3.0I, SERIES X5 4.4I WITH 2-AXLE AIR SUSPENSION**33 00 GENERAL - TRACK WIDTH E53 X5 3.0D, X5 3.0I, SERIES X5 4.4I WITH 2-AXLE AIR SUSPENSION TECHNICAL DATA**

Track width for normal position and press-in depth (ET)		
- ET40	mm	1576
- ET45	mm	1566
- ET48	mm	1560

2001 BMW X5

2000-03 SUSPENSION Rear Axle - Technical Data - X5 (4.4L)

33 00 GENERAL - TRACK WIDTH E53 X5 4.4I SERIES, 1-AXLE AIR SUSPENSION**33 00 GENERAL - TRACK WIDTH E53 X5 4.4I SERIES, 1-AXLE AIR SUSPENSION TECHNICAL DATA**

Track width for normal position and press-in depth (ET)		
- ET40	mm	1576

33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4.4I WITH FLARED WHEEL ARCH**33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4.4I WITH FLARED WHEEL ARCH TECHNICAL DATA**

Ride level height in normal position (attach tape measure to bottom middle of rim flange and measure to lower edge of wheel arch)		
Deviation from nominal value for all wheels together	Max. mm	10
Steel spring		
17" rim	mm +/- 10	
18" rim	mm +/- 10	
19" rim	mm +/- 10	
20" rim	mm +/- 10	
1-axle air spring		
17" rim	mm +/- 10	698
18" rim	mm +/- 10	709
19" rim	mm +/- 10	720
20" rim	mm +/- 10	731
2-axle air spring, not low-slung		
17" rim	mm +/- 10	690
18" rim	mm +/- 10	701
19" rim	mm +/- 10	712
20" rim	mm +/- 10	723
2-axle air spring, low-slung		
17" rim	mm +/- 10	675
18" rim	mm +/- 10	687
19" rim	mm +/- 10	697
20" rim	mm +/- 10	708

33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4.4I**33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4.4I TECHNICAL DATA**

Ride level height in normal position (attach tape measure to bottom middle of rim flange and measure to lower edge of wheel arch)		
Deviation from nominal value for all wheels together	Max. mm	10
Steel spring		

2001 BMW X5

2000-03 SUSPENSION Rear Axle - Technical Data - X5 (4.4L)

17" rim	mm +/- 10	
18" rim	mm +/- 10	
19" rim	mm +/- 10	
20" rim	mm +/- 10	
1-axle air spring		
17" rim	mm +/- 10	696
18" rim	mm +/- 10	708
19" rim	mm +/- 10	719
20" rim	mm +/- 10	
2-axle air spring, not low-slung		
17" rim	mm +/- 10	687
18" rim	mm +/- 10	699
19" rim	mm +/- 10	712
20" rim	mm +/- 10	724
2-axle air spring, low-slung		
17" rim	mm +/- 10	673
18" rim	mm +/- 10	685
19" rim	mm +/- 10	696
20" rim	mm +/- 10	--

FINAL DRIVE**33 10 FINAL DRIVE 168K****33 10 FINAL DRIVE 168K TECHNICAL DATA**

Oil grade, refer to BMW Service Operating Fluids		
New oil filling volume	ltr.	0.9
Oil change volume	ltr.	0.9

33 10 FINAL DRIVE 188K**33 10 FINAL DRIVE 188K TECHNICAL DATA**

Oil grade, refer to BMW Service Operating Fluids		
New oil filling volume	ltr.	1.2
Oil change volume	ltr.	1.2

33 10 FINAL DRIVE 210**33 10 FINAL DRIVE 210 TECHNICAL DATA**

Oil grade, refer to BMW Service Operating Fluids		
New oil filling volume	ltr.	1.2

2001 BMW X5

2000-03 SUSPENSION Rear Axle - Technical Data - X5 (4.4L)

Oil change volume	ltr.	1.2
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33 10 FINAL DRIVE 215K**33 10 FINAL DRIVE 215K TECHNICAL DATA**

Oil grade, refer to BMW Service Operating Fluids		
New oil filling volume	ltr.	1.6
Oil change volume	ltr.	1.6

33 10 FINAL DRIVE 220K**33 10 FINAL DRIVE 220K TECHNICAL DATA**

Oil grade, refer to BMW Service Operating Fluids		
New oil filling volume	ltr.	1.4
Oil change volume	ltr.	1.2

33 10 FINAL DRIVE 230K**33 10 FINAL DRIVE 230K TECHNICAL DATA**

Oil grade, refer to BMW Service Operating Fluids		
New oil filling volume	ltr.	1.3
Oil change volume	ltr.	1.3

33 10 FINAL DRIVE E38 / E53 / E60 / E61 / E65 / E66 188K**33 10 FINAL DRIVE E38 / E53 / E60 / E61 / E65 / E66 188K TECHNICAL DATA**

Use only approved rear differential oils (refer to BMW Service Operating Fluids).		
New oil filling volume	ltr.	1.2
Oil change volume	ltr.	1.2

33 10 FINAL DRIVE E53 / E60 / E61 / E63 / E64 / E65 / E66 / E67 215K**33 10 FINAL DRIVE E53 / E60 / E61 / E63 / E64 / E65 / E66 / E67 215K TECHNICAL DATA**

Use only approved rear differential oils (refer to BMW Service Operating Fluids).		
New oil filling volume	ltr.	1.4
Oil change volume	ltr.	1.4

FINAL DRIVE WITH COVER**33 10 FINAL DRIVE E38 / E53 / E60 / E61 / E65 / E66 188K**

2001 BMW X5

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33 10 FINAL DRIVE E38 / E53 / E60 / E61 / E65 / E66 188K TECHNICAL DATA

Use only approved rear differential oils (refer to BMW Service Operating Fluids).		
New oil filling volume	ltr.	1.2
Oil change volume	ltr.	1.2

33 10 FINAL DRIVE E53 / E60 / E61 / E63 / E64 / E65 / E66 / E67 215K

33 10 FINAL DRIVE E53 / E60 / E61 / E63 / E64 / E65 / E66 / E67 215K TECHNICAL DATA

Use only approved rear differential oils (refer to BMW Service Operating Fluids).		
New oil filling volume	ltr.	1.4
Oil change volume	ltr.	1.4

WHEEL BEARINGS

31 21 WHEEL BEARINGS AND STEERING KNUCKLE ALL

31 21 WHEEL BEARINGS AND STEERING KNUCKLE ALL TECHNICAL DATA

Bearing units lubricated for entire service life and cannot be disassembled		
max. axial runout of wheel hub at wheel bearing flange	max. mm	> 0.03

33 41 WHEEL BEARINGS

33 41 WHEEL BEARINGS TECHNICAL DATA

Double-row, angular ball bearing lubricated for service life and not to be disassembled		
Max. axial wheel bearing play	max. mm	0.06 ... 0.08

SPRINGS WITH SUSPENSION

33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4,4I WITH FLARED WHEEL ARCH

33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4,4I WITH FLARED WHEEL ARCH TECHNICAL DATA

Ride level height in normal position (attach tape measure to bottom middle of rim flange and measure to lower edge of wheel arch)		
Deviation from nominal value for all wheels together	Max. mm	10
Steel spring		
17" rim	mm +/- 10	
18" rim	mm +/- 10	
19" rim	mm +/- 10	
20" rim	mm +/- 10	
1-axle air spring		
17" rim	mm +/- 10	698

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18" rim	mm +/- 10	709
19" rim	mm +/- 10	720
20" rim	mm +/- 10	731
2-axle air spring, not low-slung		
17" rim	mm +/- 10	690
18" rim	mm +/- 10	701
19" rim	mm +/- 10	712
20" rim	mm +/- 10	723
2-axle air spring, low-slung		
17" rim	mm +/- 10	675
18" rim	mm +/- 10	687
19" rim	mm +/- 10	697
20" rim	mm +/- 10	708

33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4.4I**33 00 REAR AXLE - RIDE HEIGHT E53 / X5 4.4I TECHNICAL DATA**

Ride level height in normal position (attach tape measure to bottom middle of rim flange and measure to lower edge of wheel arch)		
Deviation from nominal value for all wheels together	Max. mm	10
Steel spring		
17" rim	mm +/- 10	
18" rim	mm +/- 10	
19" rim	mm +/- 10	
20" rim	mm +/- 10	
1-axle air spring		
17" rim	mm +/- 10	696
18" rim	mm +/- 10	708
19" rim	mm +/- 10	719
20" rim	mm +/- 10	
2-axle air spring, not low-slung		
17" rim	mm +/- 10	687
18" rim	mm +/- 10	699
19" rim	mm +/- 10	712
20" rim	mm +/- 10	724
2-axle air spring, low-slung		
17" rim	mm +/- 10	673
18" rim	mm +/- 10	685
19" rim	mm +/- 10	696
20" rim	mm +/- 10	--