

2001 BMW X5

2000-03 DRIVELINE/AXLES Propeller Shaft - Tightening Torques - X5 (4.4L)

2000-03 DRIVELINE/AXLES**Propeller Shaft - Tightening Torques - X5 (4.4L)****PROPELLER SHAFT ASSEMBLY****26 11 PROPELLER SHAFT, COMPLETE****26 11 PROPELLER SHAFT (COMPLETE) TIGHTENING SPECIFICATION**

	Type	Thread	Tightening specification	Measure
1AZ Flexible disk to propeller shaft and transmission output flange Steel propeller shaft	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 / E90 / E91	M10 8.8		48 N.m
	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 / E90 / E91	M10 10.9		64 N.m
	E31 / E38 / E39 / E46	M14		140 N.m
	E32 / E34 / E36 / E38 / E39	M12 8.8		81 N.m
	E60 / E61 / E63 / E64	M12 8.8		90 N.m
	E32 / E34 / E36 / E38 / E39 / E46 / E53 / E85	M12 10.9		100 N.m
	E60 / E61 / E63 / E64	M12 10.9		55 N.m
	E39 (M5) / E36 (M3) / E46 (M3)	M12 10.9		115 N.m
	E65	M12 10.9		90 N.m
Flexible disk to transmission output flange	E46 / E39 / E60 / M57 only		Screw with rolled-on shim only	
			Jointing torque	50 N.m

2001 BMW X5

2000-03 DRIVELINE/AXLES Propeller Shaft - Tightening Torques - X5 (4.4L)

			Torque angle	90°
Flexible disk to transmission output flange	E65/E66/All except N73, M67		Screw with rolled-on shim only	
			Jointing torque	50 N.m
			Torque angle	90°
Flexible disk on propeller shaft	E83	M12 10.9	Tighten via nut	100 N.m
Flexible disk to transmission output flange	E83	M12 10.9		90 N.m
Aluminum propeller shaft: Flexible disk to transmission output flange	E39 / E60	M12 10.9		100 N.m
Aluminum propeller shaft: Flexible disk on propeller shaft	E39 / E60	M12 10.9		90 N.m
	E60 / E61 / E63 / E64	M10 10.9		64 N.m
	E60	M12 8.8		90 N.m
	E63 (N52)	M12		110 N.m
Flexible disk to transmission output flange ZNS screws and nuts Shiny zinc coating All versions			Replace bolts and nuts Jointing torque and angle of rotation must be observed without fail	
	E60 / E61 / E63 / E64 / E85 / E87 / E90 / E91	M10-10.9	Jointing torque	20 N.m
			Torque angle	90°
	E46 / E53 / E60 / E61 / E63 / E64 / E65 / E83 / E85 / E87 / E90 / E91	M12-10.9	Jointing torque	55 N.m
			Torque angle	90°
	E60 / E61 / E63 / E64 / E65	M 12-8.8	Jointing torque	30 N.m

2001 BMW X5

2000-03 DRIVELINE/AXLES Propeller Shaft - Tightening Torques - X5 (4.4L)

			Torque angle	90°
2AZ Coupling propeller shaft to transmission	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 / E90 / E91	M10		60 N.m
	E32 / E31	M12		95 N.m
3AZ Clamping ring for slide after installation in the car	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 / E90 / E91			10 N.m
	E30 / Four Wheel Drive			22 N.m

26 11 PROPELLER SHAFT, COMPLETE

26 11 PROPELLER SHAFT (COMPLETE) TIGHTENING SPECIFICATION

	Type	Thread	Tightening specification	Measure
4AZ Propeller shaft to drive flange (rear axle)				
Version, universal joint: Compression nut	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85	M10	Only finned nuts to higher tightening torque	64 N.m
Version, universal joint: >Torx bolt	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85	M10		85 N.m
Version, constant-velocity joint: >Torx bolt	E46 (M3) / E38/ E39/ E46 / E60 / E83 (M57TU) E63 (N52)	M10		70 N.m
Version, constant-velocity joint:	E36 / E38 / E39 / E46 / E52 / E53 /	M8		32 N.m

2001 BMW X5

2000-03 DRIVELINE/AXLES Propeller Shaft - Tightening Torques - X5 (4.4L)

Compression nut	E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85			
Compression nut	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85	M10		64 N.m
Finned nut	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85	M8		43 N.m
Finned nut	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85	M10		70 N.m
ZNS screw and nuts , shiny zinc coating All versions with universal or constant-velocity joint			Replace bolts and nuts Jointing torque and angle of rotation must be observed without fail	
	E83 / E85 / E87 / E90 / E91	M10x20 10.9	Jointing torque	20 N.m
			Torque angle	45°
	E46 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 / E90 / E91	M10-10.9	Jointing torque	20 N.m
			Torque angle	90°
	E90 / E91	M12-10.9	Jointing torque	55 N.m
			Torque angle	90°
5AZ Pivot to center propeller shaft journal with Loctite (Version without slide)	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 / E90 / E91			97 N.m
6AZ Center mount to body	E36 / E38 / E39 / E46 / E52 / E53 / E60 / E61 / E63 / E64 / E65 / E66 / E83 / E85 / E87 /			21 N.m

2001 BMW X5

2000-03 DRIVELINE/AXLES Propeller Shaft - Tightening Torques - X5 (4.4L)

	E90 / E91			
7AZ Flexible disk to front axle differential	E53	M10-10.9		60 N.m
8AZ Flexible disk on propeller shaft	E53	M10-10.9		64 N.m
9AZ Front propeller shaft to transfer box/front differential ZNS screws and nuts, shiny zinc coating			Replace bolts and nuts Jointing torque and angle of rotation must be observed without fail	
	E60 / E61 / E90 / E91	M8	Jointing torque	20 N.m
			Torque angle	45°
	E46 / E83	M10-10.9	Jointing torque	20 N.m
			Torque angle	45°
	E53	M10-12.9	Jointing torque	10 N.m
			Torque angle	90°
	E46	M10x1.5	Jointing torque	5 N.m
			Torque angle	90°