

BMW TORQUE SPECIFICATION CHART

1978 R100/7 Torque Chart					Unit Conversions: 1.00 ft-lb. = 1.356 Nm = 12 in.lb. 1.00 Nm = 0.7375 ft-lb. = 8.651 in.lb.
Component	ft-lb (Foot Pound)	Nm <Newton Meters>	in-lb [Inch Pound]	Stages (ft-lb)	Notes
Engine					
Cylinder Head Nuts	25.00	33.90	300.00	3 = 17,20,25	Sequence / insure lubrication
Engine to Frame	55.00	74.58	660.00		
Oil Drain Plug	18.00	24.41	216.00	2 = 16,18	Renew washer / Be Careful
Oil Filter Cover Plate Bolts	7.50	10.17	90.00		Careful !!! Best done by feel. (Use in-lb wrench)
Oil Pickup Bolts	6.50	8.81	78.00		Use Locktite Blue (Use in-lb wrench)
Oil Pump Cover	6.67	9.04	79.99		(Use in-lb wrench)
Oil Sump at Crankcase	6.00	8.14	72.00	2 = 4,5,6	Sequence / no gasket compound, gasket letter side up (Use in-lb wrench)
Valve Adjustment Nuts	15.00	20.34	180.00	2 = 11,15	Insure lubrication
Valve Cover centering nut	10.50	14.24	126.00		Renew washer / Be Careful
Engine Electrics					
Spark Plugs	12.00	16.27	144.00	2 = 9,12	With Anti-seize paste (without paste=15 ft-lbs)
Front Forks					
Cap Nut (steering bearing)	88.00	119.33	1056.00	2 = 81,88	Bars to fall to left when on center stand (adjustment)
Fork Filler Plugs	6.60	8.95	79.20		(Use in-lb wrench)
Oil Drain Hex Nuts	12.00	16.27	144.00		Renew Wave Washers / Careful
Front Axle					
Axle Clamp Bolts	12.50	16.95	150.00	2 = 11,12,5	Renew Wave Washers
Axle Nut	28.00	37.97	336.00	2 = 25,28	Lightly grease axle / if slack in bearings increase to 31 ft-lbs
Rear Axle					
Axle Clamp Bolts	13.00	17.63	156.00	2 = 10,13,0	Renew Wave Washers
Axle Nut	28.00	37.97	336.00	2 = 25,28	Lightly grease axle / if slack in bearings increase to 31 ft-lbs
Rear Drive - Swing Arm					
12-sided Drive Shaft U-Joint Bolts	25.00	33.90	300.00	2 = 22,25	Discard slotted washer. Replace w/short bolts use Locktite Blue
Axle Hsing Oil Drain Plug	15.50	21.02	186.00		Renew Washer
Axle Hsing Oil Level Ck. Plug	8.00	10.85	96.00		Renew Washer (Use in-lb wrench)
Driveshaft Housing Bolts (4)	30.00	40.68	360.00		Renew Gasket Dry / Use Swivel Socket
Locknut for Pivot Pin	72.00	97.63	864.00	2 = 60,72	Steel Nuts
Pivot Pin	7.50	10.17	90.00	2 = 15,7,5	Preload, then back-off (Use in-lb wrench)
Swing Arm Oil Drain Plug	10.00	13.56	120.00		Renew Washer
Swing Arm Oil Filler Plug	10.00	13.56	120.00		Or Lightly Tightened
Gearbox					
Attachment to Engine	15.00	20.34	180.00		
Oil Drain Plug	15.50	21.02	186.00		Renew Washer
Oil Filler Plug	18.00	24.41	216.00		Renew Washer
Shift Lever	13.00	17.63	156.00		
Edited: 12/13/2008					
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