

Triumph Bonneville Torque Specifications 2001-2007

General Maintenance

Description	Nm	Lbs./Ft.
Alternator cover bolts	9	6.6384
Chainguard screws	7	5.1632
Engine oil drain bolt	25	18.44
Handlebar positioning bolts - Thruxton	11	8.1136
Handlebar clamp bolts - Thruxton	27	19.9152
Headlight mounting bolts - Bonneville, T100, Scrambler and Thruxton	10	7.376
Headlight bracket mounting bolt - America and Speedmaster	27	19.9152
Headlight bracket pinch bolt - America and Speedmaster	27	19.9152
Engine oil filter	10	7.376
Rear axle nut	85	62.696
Spark plugs	0.20	0.14752
Sprocket cover bolts	9	6.6384
Steering head bearing adjuster nut pre-load - (with service tool)	40	29.504
Steering head bearing locknut - (with service tool)	40	29.504
Steering stem nut - Thruxton	90	66.384
Steering stem nut - All other models	65	47.944
Top yoke fork clamp bolts - Bonneville, T100, Thruxton and Scrambler	27	19.9152
Top yoke fork clamp bolts - America and Speedmaster	20	14.752

Engine, Clutch & Transmission

Description	Nm	Lbs./Ft.
Alternator cover bolts	9	6.6384
Balancer shaft retainer screws	12	8.8512

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Description	Nm	Lbs./Ft.
Breather rotor screws	12	8.8512
Cam chain guide blade bolts	10	7.376
Cam chain tensioner blade nut	10	7.376
Cam chain tensioner cap bolt.	20	14.752
Cam chain tensioner mounting bolts	9	6.6384
Camshaft drive gear shaft bolt - Engine number up to 186916	10	7.376
Camshaft drive gear shaft bolt - Engine number from 186917 on	28	20.6528
Camshaft holder bolts	10	7.376
Camshaft oil feed pipe bolts	8	5.9008
Clutch cover bolts - Speedmaster	12	8.8512
Clutch cover bolts - All other models	9	6.6384
Clutch nut	105	77.448
Clutch spring bolts	9	6.6384
Connecting rods - caps with nuts and bolts		0
- First stage	22	16.2272
- Second stage	minus 140°	
- Third stage	0.10	0.07376
- Fourth stage	14	10.3264
- Fifth stage	plus 120°	
Connecting rods - caps with bolts only		
- First stage	14	10.3264
- Second stage	plus 120°	
Crankcase bolts		
- Initial setting	10	7.376
- Final setting		

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Description	Nm	Lbs./Ft.
-- 8 mm bolts	28	20.6528
-- 10 mm bolts - silver	40	29.504
--- 10 mm bolts - green	48	35.4048
Cylinder head intake adapters	12	8.8512
Cylinder head 10 mm nuts		
- Stage 1	20	14.752
- Stage 2	30	22.128
- Stage 3	Angle-tighten 90°	
Engine earth lead	28	20.6528
Engine mounting bolts		
- Bonneville, T100, Thruxton and Scrambler		
-- Frame cradle section bolts	45	33.192
-- Upper and lower rear mounting bolt nuts	80	59.008
-- Upper and lower front mounting bolt nuts	80	59.008
-- Bracket-to-cylinder head bolt nut	80	59.008
-- Bracket-to-frame bolt nut	22	16.2272
-- Cradle brace bolts	22	16.2272
- America and Speedmaster		
-- Rear mounting bolt nut	80	59.008
-- Cylinder head to bracket bolt nut	80	59.008
-- Upper and lower front mounting bolt nuts	80	59.008
-- Frame cradle section bolts	55	40.568
-- Swingarm pivot bolt nut	110	81.136
-- Swingarm pivot clamp bolts	45	33.192
Front footrest mounting bracket bolts		

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Description	Nm	Lbs./Ft.
- America and Speedmaster	30	22.128
Gearchange mechanism cover bolts		
- Scrambler	12	8.8512
- All other models.	9	6.6384
Gearchange shaft centralising spring pin	23	16.9648
Gearchange stopper arm bolt	12	8.8512
Oil cooler fittings		
- Feed pipe banjo bolts to cylinder head	30	22.128
- Feed pipe banjo bolts to cooler	45	
- Return pipe banjo bolt to sump - early Bonneville and T100	45	
- Return pipe flare nut to joint piece	15	
- Joint piece to sump	45	
- Return pipe banjo bolt to cooler	45	
- Cooler mounting bolts	9	
Oil pipe (external) to crankcase banjo bolt	30	
Oil pipe (internal) banjo bolts	8	
Oil pressure relief valve	15	
Oil pressure switch	13	
Oil pump bolts.	12	
Oil strainer bolts	6	
Selector drum cam plate bolt	12	
Selector fork shaft retainer screw	12	
Sump bolts.	12	
Starter clutch housing bolts	16	
Valve cover bolts	14	

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Fuel & Exhaust Systems

Description	Nm	Lbs./Ft.
Cylinder head intake adapters	12	8.8512
Exhaust system - Bonneville, T100 and Thruxton		
- Downpipe flange nuts	19	14.0144
- Downpipe rear bolts	22	16.2272
- Front sprocket cover bolts	9	6.6384
- Joint pipe clamp bolt	22	16.2272
- Passenger footrest holder nut/silencer mount.	27	19.9152
- Rider's footrest bracket mounting bolts	27	19.9152
- Rider's footrest bracket clamp bolt	45	33.192
- Silencer clamp bolt	22	16.2272
Exhaust system - America and Speedmaster		
- Downpipe flange nuts	19	14.0144
- Downpipe rear bolts	15	11.064
- Joint pipe clamp bolt	22	16.2272
- Passenger footrest plate bolts/silencer mount	27	19.9152
- Silencer clamp bolt	22	16.2272
Exhaust system - Scrambler		
- Exhaust pipe flange nuts	19	14.0144
- Exhaust pipe assembly mounting bolt	19	14.0144
- Exhaust pipe and silencer clamp bolts	10	7.376
- Silencer to bracket bolts	15	11.064
- Silencer bracket bolt	15	11.064
Fuel tank mounting bolt(s)		

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Description	Nm	Lbs./Ft.
- Bonneville, T100, Thruxton and Scrambler	9	6.6384
- America and Speedmaster	19	14.0144

Ignition System

Description	Nm	Lbs./Ft.
Alternator cover bolts	9	6.6384
Front footrest mounting bracket bolts - America and Speedmaster	30	22.128
Pick-up coil screws	10	7.376

Frame, Suspension & Final Drive

Description	Nm	Lbs./Ft.
Clutch lever bracket clamp bolts	15	11.064
Brake pedal pivot bolt		
- Bonneville and T100	15	11.064
- America and Speedmaster	30	22.128
- Thruxton	22	16.2272
- Scrambler	27	19.9152
Fork clamp bolts		
- Bonneville, T100, Thruxton and Scrambler		
-- Top and bottom yokes	27	19.9152
- America and Speedmaster		
-- Top yoke	20	14.752
-- Bottom yoke	45	33.192
Fork damper rod bolt		

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Description	Nm	Lbs./Ft.
- Bonneville, T100, Thruxton and Scrambler.	30	22.128
- America and Speedmaster	43	31.7168
Fork top bolt	23	16.9648
Front brake master cylinder clamp bolts	15	11.064
Front sprocket cover bolts	9	6.6384
Front sprocket nut	132	97.3632
Handlebar end-weights	5	3.688
Handlebar holder nuts		
- Bonneville, T100, America, Speedmaster and Scrambler	35	25.816
Handlebar clamp bolts		
- Bonneville, T100, America, Speedmaster and Scrambler	26	19.1776
- Thruxton	27	19.9152
Handlebar positioning bolts - Thruxton	11	8.1136
Rear shock absorber mounting bolts	28	20.6528
Rear sprocket carrier studs	30	22.128
Rear sprocket nuts		
- Bonneville, T100, Thruxton and Scrambler.	55	40.568
- America and Speedmaster	85	62.696
Rider's footrest bracket mounting bolts - Bonneville, T100 and Thruxton	27	19.9152
Sidestand pivot bolt	20	14.752
Sidestand pivot bolt nut	25	18.44
Steering head bearing adjuster nut pre-load - with service tool	40	29.504
Steering head bearing locknut - with service tool	40	29.504
Steering stem nut - Thruxton	90	66.384

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Description	Nm	Lbs./Ft.
- All other models	65	47.944
Swingarm pivot clamp bolts	45	33.192
Swingarm pivot bolt nut.	110	81.136

Brakes, Wheels & Tires

Description	Nm	Lbs./Ft.
Bleed valves	5	3.688
Brake hose banjo bolts	25	18.44
Brake pad retaining pins (front and rear)	18	13.2768
Front axle bolt - America and Speedmaster	60	44.256
Front axle clamp bolt(s)		
- Bonneville, T100, Thruxton and Scrambler	27	19.9152
- America and Speedmaster	20	14.752
Front axle nut		
- Bonneville, T100, Thruxton and Scrambler	60	44.256
Front brake caliper mounting bolts	28	20.6528
Front brake disc bolts	22	16.2272
Front brake master cylinder clamp bolts	15	11.064
Rear axle nut	85	62.696
Rear brake caliper mounting bolts	40	29.504
Rear brake disc bolts	22	16.2272
Rear brake light switch	15	11.064
Rear brake master cylinder mounting bolts		
- Bonneville, T100 and Scrambler	18	13.2768
- Thruxton, America and Speedmaster	27	19.9152