



NORTON COMMANDO TORQUE SETTINGS

GEARBOX

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| • Inner cover nuts (7 nuts, 00.0004) | 10 – 15 ft./lb. |
| • Outer cover screws (5 screws, 00.0482) | 60 – 80 in./lb. |
| • Clutch centre nut (1 nut, 04.0373) wrong in the factory manual | 40 ft./lb. |
| • Gearbox mainshaft nut (1 nut, 04.0023) | 40 – 50 ft./lb. |
| • Gearbox sprocket nut (1 nut, 04.0070) LH thread | 80 ft./lb. |
| • Gearbox – top bolt (06.4697) | 55 ft./lb. |
| • Gearbox – bottom pivot stud (06.0597) | 55 ft./lb. |
| • Kickstarter pinch bolt (1 bolt, 06.0599) | 25 ft./lb. |

ENGINE

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| • Mounting bolts (3/8 in., 4 nuts 14.0303) | 25 – 30 ft./lb. |
| • Mounting bolt (5/16 in., 1 nut 14.1902) | 15 ft./lb. |
| • Cylinder head bolts (3/8 in., 8 bolts 06.0401) | 30 ft./lb. |
| • Cylinder head nuts (5/16 in., 2 nuts 06.7529) | 20 ft./lb. |
| • 750 Cylinder base nuts (3/8 in., 6 nuts 06.2652) | 25 ft./lb. |
| • 750 Cylinder base nuts (5/16 in., 3 nuts 06.3825) | 20 ft./lb. |
| • 850 Cylinder base nuts (3/8 in., 1 nut 06.7870) | 25 ft./lb. |
| • 850 Cylinder base nuts (5/16 in., 4 nuts 06.3825) | 20 ft./lb. |
| • 850 Cylinder base bolts (through cylinder, 4 bolts 06.3085) | 30 ft./lb. |
| • Crankshaft stud nuts (12 nuts, 06.4160) | 30 ft./lb. |
| • Conrod locknut (4 nuts, 06-7827) | 22 – 25 ft./lb. |
| • Rocker spindle cover plate bolts (8 bolts, 06.3124) | 8 ft./lb. |
| • Alternator rotor nut, crankshaft (1 nut, 06.0387) | 70 ft./lb. |
| • Alternator mounting stud nuts (3 nuts, 06.2692) | 15 ft./lb. |
| • Oil pressure release valve (13.1762) | 25 ft./lb. |
| • Spark plug | 15 ft./lb. |



TIMING CASE

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| • Cam chain tensioner nuts (2 nuts, 06.2692) | 15 ft./lb. |
| • Oil pump stud nuts (2 nuts, 06.7592) no washers | 10 – 12 ft./lb. |
| • Oil pump worm gear nut (06.3024) | 25 ft./lb. |
| • Crankshaft worm gear (06.7889) LH thread | 15 ft./lb. |
| • Camshaft sprocket nut (06.7774) depending on cam metal. | 60 – 80 ft./lb. |
| • PW3 Camshaft sprocket nut (cast iron, 06.7367) | 15 ft lb. |
| • Timing cover screws (12 screws, 06.7308) | 60 – 80 in./lb. |

PRIMARY CASE

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| • Chaincase centre fixing nut (1 nut, 06.0367) | 25 ft./lb. |
| • Alternator mounting stud nuts (3 nuts, 06.2692) | 15 ft./lb. |
| • Chaincase fixing bolts (3 bolts, 06.2669) | 60 – 80 in./lb. |
| • MK3 Chaincase outer screws (10 screws, 06.5533) | 60 – 80 in./lb. |
| • MK3 Long starter screw (1 screw, 06.5532) | 8 ft./lb. |
| • MK3 Short starter screws (2 screws, 06.4729) | 8 ft./lb. |

FRONT FORKS / WHEEL

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| • Fork tube top bolt (2 bolts, 06.0345) | 30 – 40 ft./lb. |
| • Steering head stem nut (1 nut, 06.7781) | 25 – 30 ft./lb. |
| • Yoke pinch bolts (2 bolts, 06.1911) | 30 ft./lb. |
| • Wheel spindle pinch bolt (1 nut/bolt, 06.2465) drum brake | 10 – 15 ft./lb. |
| • Wheel spindle pinch bolt (1 nut/bolt, 14.0221) disc brake | 10 – 15 ft./lb. |
| • Front wheel spindle nut (1 nut, 06.0361) | 60 ft./lb. |
| • Fork damper tube anchor bolt (1 bolt, 14.0113) | 10 ft./lb. |
| • Mudguard bridge stud nut (2 each fork, 06.0355) | 8 ft./lb. |
| • Disc to hub nuts (5 nuts, 14.0302) | 20 ft./lb. |
| • NORVIL disc to hub nuts (6 nuts, 14.1202) | 20 – 25 ft./lb. |
| • Front mudguard stay bolt (4 bolts, bottom 06.0357) | 10 ft./lb. |
| • Front mudguard stay nut (4 nuts, top 06.7797) | 4 ft./lb. |
| • Front fork pinch bolt nut (14.0302) | 15 ft./lb. |



REAR WHEEL

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| • Rear wheel nut (1 nut 06.0292) dummy axle side | 80 ft./lb. |
| • Rear wheel spindle (06.0289) | 80 ft./lb. |
| • Brake Drum Sleeve Nut (3 nuts, 06.0323) | 40 ft./lb. |
| • Wheel adjuster nuts (2 nuts, 14.0402) | 8 ft./lb. |
| • Speedo cable to speedo drive (06.7904) | 15 ft./lb. |
| • Swing arm rod assembly (1 bolt/stud, 06.0873) | 10 ft./lb. |
| • Rear mudguard nut (2 nuts, top 14.0301) | 8 ft./lb. |
| • Rear mudguard nut (1 nut, 14.0302) | 15 ft./lb. |
| • Tail lamp pillar nut (2 nuts, 06.3921) | 24 in./lb. |
| • Grab rail clip with captive nut (4 required, 06.3641) | 8 in./lb. |

ISOLASTICS / HEAD STEADY

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| • Front bolt nut (1 nut, 06.0438) | 30 ft./lb. |
| • Front engine plate nuts (2 nuts, 14.0303) | 25 ft./lb. |
| • Rear engine plate nut (1 nut, bottom 14.1902) | 20 ft./lb. |
| • Rear engine plate nuts (2 nuts, top 14.1303) | 30 ft./lb. |
| • Rear stud nuts (2 nuts, 06.0438) | 30 ft./lb. |
| • Head steady bracket screw (3 screws, 06.7745) | 12 ft./lb. |
| • Head steady side plate stud nut (2 nuts, 14.0302) | 12 ft./lb. |

BRAKE CALIPER

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| • Front caliper to fork bolts (2 bolts, 06.7969) | 25 – 30 ft./lb. |
| • Caliper end plug (1 plug, 06.2185) | 25 ft./lb. |



OIL TANK AND FITTINGS

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| • Oil tank mounting bolt (1 bolt, 06.0652) | 4 ft./lb. |
| • Oil junction block bolt (1 bolt, 03.0448) | 8 ft./lb. |
| • Rubber mounting bolt nuts (2 bolts, 4 nuts, 03.3057) | 4 ft./lb. |
| • Oil filter mounting bolts (2 bolts, 14.0114) | 8 ft./lb. |
| • Rocker feed banjo bolts (3 bolts, 06.7696) | 15 ft./lb. |

MISCELLANEOUS

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| • Side stand nut (1972 – later, 1 nut 06.3089) | 50 – 60 ft./lb. |
| • Centre stand nuts (2 nuts, 14.1304) | 45 ft./lb. |
| • Coil mounting bracket nuts (2 nuts, 06.6044) | 10 in./lb. |
| • Kickstarter pinch bolt (1 bolt, 06.0599) | 25 ft./lb. |
| • Exhaust balance pipe bolt (2 nuts/bolts, 14.1201) | 7 ft./lb. |
| • Carburettor stud nut (4 nuts, 14.0302) | 8 ft./lb. |
| • Inlet manifold fixing screws (4 screws, 06.2536) | 8 ft./lb. |
| • Shock mounting nuts (2 each shock, 14.0303) | 25 ft./lb. |
| • Chain guard nut (2 nuts, 14.0301) | 8 ft./lb. |
| • Front brake lever pivot bolt (1 bolt, 06.2184) | 25 ft./lb. |
| • Front hydraulic hose nut (1 nut, 14.0403) | 15 ft./lb. |
| • Muffler clamp pinch bolt (1 nut, 14.0302) | 9 ft./lb. |
| • Zener diode nut (1 nut, 14.0301) | 24 in./lb. |
| • Coil clip bolts (2 each coil, 14.0103) | 10 in./lb. |
| • Coil mounting bracket bolts (4 bolts, 14.0102) | 8 ft./lb. |
| • Reflector nut (1 nut, 06.6044) | 20 in./lb. |
| • Condenser pack (2 nuts/bolts, 06.7797) | 24 in./lb. |
| • Horn nut (2 nuts, 14.0301) | 8 ft./lb. |
| • Headlamp mounting bolt (2 bolts, 06.2321) | 15 ft./lb. |



FOOTRESTS

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| • Rear side plate mounting nut (2 each plate, 14.0303) | 25 ft./lb. |
| • Footpeg nuts (1 each footpeg, 14.0304) | 40 ft./lb. |
| • Footrest mounting flange nuts (3 on left, 2 on right, 14.0302) | 8 ft./lb. |
| • Footrest mounting bolt (1 on right, 06.1246) | 15 ft./lb. |
| • Pillion footrest bolt (1 bolt each rest, 06.0618) | 25 ft./lb. |
| • Pillion footrest pivot bolt (1 nut each rest, 14.0301) | 8 ft./lb. |
| • Exhaust rubber mounting nuts (2 each rubber, 14.0302) | 10 ft./lb. |

This article is from a series of Handy Workshop Guides I have put together.

These may be of interest to you:

- Norton Commando Cylinder Base Tightening Sequence and Torque
- Norton Commando Cylinder Head Tightening Order and Torque
- Norton Commando Timing Cover Tightening Order and Screw Length
- British Motorcycle – Cable Color Chart
- Metric/AF/Whitworth Wrench Equivalents
- Norton Commando Torque Settings