

This BSA, Norton, Triumph vintage British street bikes manual is 640 pages.

M330 BSA 500 & 650cc Unit Twins 1963-1972

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Service hints / Safety hints / Parts replacement / Tools / Expendable supplies / Serial numbers

CHAPTER TWO / LUBRICATION AND MAINTENANCE

Tools / Lubrication / Lubrication and maintenance intervals / Tune-up / Chain adjustment and inspection / Decarbonization / Winter storage

CHAPTER THREE / TROUBLESHOOTING

Operating requirements / Starting difficulties / Poor idling / Misfiring / Flat spots / Power loss / Overheating / Engine noises / Piston seizure / Excessive vibration / Clutch / Transmission / Handling / Brakes / Electrical / Coil ignition system / Battery charging system / 1 ohm load resistor / Zener diode charge control / Zener diode testing / Troubleshooting guide

CHAPTER FOUR / FUEL SYSTEM

Carburetor principles / Carburetor overhaul / Amal concentric / Amal monobloc / Carburetor adjustment / Common problems / Air filter / Fuel Tank

CHAPTER FIVE / ELECTRICAL SYSTEM

Battery / Rectifier / Zener diode charge control / Ignition coil / Horn adjustment / Headlight / Turn signal lights / Taillight and stoplight / Stoplight switch / Lights / Ignition switch / Warning lights / Alternator capacitor ignition / Wiring diagrams

CHAPTER SIX / ENGINE, TRANSMISSION, AND CLUTCH

Removal installation / Top end / Rocker cover and exhaust pipe / Exhaust rocker assembly / Cylinder head / Valve springs / Pushrods / Valves and guides / Valve grinding / Cylinder head assembly / Cylinder / Alternator / Clutch / Right crankcase cover / Left crankcase cover / Contact breaker / Timing gear and oil pump / Transmission / Crankcase

CHAPTER SEVEN / CHASSIS

Wheels / Brake hubs / Brakes / Sprocket / Wheel inspection / Wheel balancing / Tire rim locks / Tire changing / Tire maintenance / Sidecar alignment / Handlebars / Throttle cable / Choke cable / Front brake cable / Steering head bearing / Swing arm / Shock absorbers / Seat / Side panels / Air cleaner box / Fender / Battery and mounting

SPECIFICATIONS

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M330 Norton 750 & 850cc Commandos 1969-1975

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Precautionary measures / Parts ordering / Service hints / Tools / Expendable supplies / Safety first

CHAPTER TWO / PERIODIC MAINTENANCE AND LUBRICATION

Service intervals / Tire pressure / Battery electrolyte level / Engine oil / Primary chaincase / Chain

/ Transmission / Swing arm / Front fork / Hydraulic disk brake / Rear chain / Control cables / Brake adjustment / Grease fittings / Air filter / Wheel bearings / Primary chain adjustment / Tune-up

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CHAPTER FIVE / TRANSMISSION

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CHAPTER EIGHT / FRONT WHEEL AND BRAKE

Front wheel / Front drum brake / Front disc brake / Front hub

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Rear wheel / Rear wheel hub / Sprocket and brake assembly / Rear drum brake / Rear disc brake

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SPECIFICATIONS

750 Commando / 850 Commando

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M330 Triumph 500-750cc Twins 1963-1979

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CHAPTER THREE / TROUBLESHOOTING

Operating requirements / Starting difficulties / Poor idling / Misfiring / Flat spots / Power loss /

Overheating / Engine noises / Piston seizure / Excessive vibration / Clutch slip or drag / Transmission / Poor handling / Brake problems / Electrical problems / Ignition system / Ignition coils / Emergency starting circuit / Charging system / Rectifier / Charging circuit continuity / Zener diode / Energy transfer ignition and lighting systems Alternator output / Troubleshooting guide

CHAPTER FOUR / ENGINE

Removal installation / Rocker boxes / Carburetor / Air cleaner / Cylinder / Valves / Block and tappets / Pistons, rings, and cylinders / Oil pump / Oil system / Rocker oil feed pipe / Valve timing gears / Camshafts / Crankcases / Crankshaft / Rods and main bearings / Camshaft and bushings / Tachometer drive gear

CHAPTER FIVE / CLUTCH AND TRANSMISSION

Primary chain / Primary cover / Clutch / Primary drive shock absorber / Rotor and stator / Transmission outer cover / Kickstarter / Clutch and gearshift operating mechanism / Transmission / Mainshaft and countershaft bearings / Other transmission components (500cc) / Gearbox sprocket

CHAPTER SIX / FUEL SYSTEM

Carburetor / Carburetor operation / Carburetor overhaul / air filter / Gas tank

CHAPTER SEVEN / ELECTRICAL SYSTEM

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CHAPTER EIGHT / FRONT BRAKE, WHEEL, AND SUSPENSION

Front drum brakes / Disc brakes / Pad replacement / Brake caliper / Bleeding / Master cylinder / Wheels / Tire / Front forks / Hydraulic damper / Steering head bearings

CHAPTER NINE / REAR BRAKE, WHEEL, AND SUSPENSION

Rear drum brakes / Rear disc brakes / Wheels / Rear shocks / Swing arm

CHAPTER TEN / FRAME

Oil tank / Battery carrier

SPECIFICATIONS

Threads per inch / 750cc models (T140V and TR7V) / 650cc models / Miscellaneous information (prior to engine No. DU.66246) / Variation among models / Variations - 1972 models / 500cc (T100S) / 500cc (T100T) / 500cc (5TA) / 500cc (TR5T) / 500cc (T100R)

SUPPLEMENT / 1978 AND LATER SERVICE INFORMATION

Engine tune-up / Engine removal and installation / Carburetor / Alternator / Electronic ignition / Instruments and operating controls / Brake caliper / Front forks / Rear shocks / Swing arm

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WIRING DIAGRAMS

Models covered:

BSA 500 and 650 cc Unit Twins (1963-1972)

Norton 750 & 850 cc Commando (1969-1975)
Triumph 500, 650 & 750 cc Twins (1963-1979)

Clymer Manuals BSA 500cc Unit Twin Manual
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