

Evolution of a classic.

TRIUMPH



Trident T160



The Triumph Trident T160 boasts a brand-new electric starter. This is the button.


Trident T160

New handlebar controls are clearly marked, conveniently positioned, and easy to operate.

New forward engine slant shifts the center of gravity to the front for improved road handling.

New standardized left-foot gear shift simplifies the transition from most smaller bikes up to Triumph.

Move up



New narrow tank design is available in two sizes
—4½ and 5½ gallons.
Also available finished in White with Yellow trim.

New high-performance exhaust system increases power, produces a throaty exhaust note, yet stays well within current noise regulations.

New Norton Triumph/Lockheed rear disc brake increases the T160's stopping power and reduces unsprung weight.

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Triumph Specifications

Frame.

The Trident cradle frame of heavy-duty tube and lug-brazed construction features a single down tube, a detachable rear sub-frame assembly, and adjustable tapered roller bearings in the steering head.

Suspension.

Triumph's two-way dampened front forks have polished aluminum sliders to reduce unsprung weight. Hydraulic rear suspension units are fully adjustable for load.

Engine.

Transverse air-cooled inclined three-cylinder 4-stroke engine, with pushrod-operated overhead valves. One-piece light alloy cylinder head with detachable rocker boxes. Light alloy cylinder casting with austenitic iron liners. One-piece 120° crankshaft carried by two main bearings in the center section of the crankcase, with a roller bearing on the timing side and a ball-journal bearing on the drive side. "H" section alloy connecting rods with insert-type plain bearings. Gear-type oil pump and cartridge filter element. Polished aluminum timing cover.

Displacement — 740cc
Bore and Stroke — 67 x 70mm
Compression Ratio — 9.5:1
HP @ RPM — Max. @ 7250

Exhaust System.

Four downswept pipes tuned to length for optimum power, tucked in close for maximum banking angle. Exhaust passes from central collector box through two annular discharge mufflers designed to comply with current Federal noise regulations.

Carburetors.

Three 27mm Amal concentric carburetors give consistent fuel mixture at any cornering angle and prevent surge or starvation during acceleration and braking.

Clutch.

Single dry plate 7-inch automobile-type diaphragm clutch.

Transmission.

Five-speed gearbox operated by left foot shift. Neutral indicator switch. Polished aluminum chaincase provides oil bath for duplex 7/16" primary chain. Externally adjustable rubber-faced chain tensioner. Vane-type shock absorber in clutch sprocket. Single-row rear chain (5/8" x 3/8").

Primary drive:

23-tooth engine sprocket
43-tooth clutch sprocket

Final drive:

19-tooth gearbox sprocket
50-tooth rear sprocket

Alternative gearbox sprocket sizes available from your Triumph dealer.

Electrical System.

12-volt electrical system with high output alternator. Zener Diode charge control and silicon bridge-connected rectifier. Coil ignition by triple contact breakers and three 6-volt coils. Automotive-type solenoid-operated starter motor. Large capacity battery. Seven-inch headlight with 45/40-watt tungsten filament bulb. High frequency horn.

Instruments and Controls.

Matching tachometer and speedometer with inset odometer and resettable trip odometer. Central console with master ignition/light switch and warning lights: BLUE — headlight "High Beam," RED — ignition/oil pressure, GREEN — transmission in "Neutral," and YELLOW — turn signals. Handlebar switch clusters incorporate a turn signal control, horn button, headlight "Hi-Lo," starter button, and positive-action "kill" switch. All controls are clearly marked and conveniently positioned.

Tanks.

Gas tank with quick-release cap. Available in a choice of two capacities — 4-1/2 or 5-1/2 gallons. Oil tank capacity — 7.2 pints.

Seat.

The Triumph twinseat is hinged for easy access to electrical equipment beneath, and features extra foam cushioning and a restyled cover for improved rider comfort.

Stands.

Easy-lift center stand. Extra-long kickstand angled to give maximum support even on poor surfaces.

Wheels and Tires.

Chromed rims with plated steel spokes laced to polished pressure-diecast aluminum hubs. Tire size: 4.10 x 19" on both front and rear.

Brakes.

High-efficiency hydraulically operated Norton Triumph/Lockheed disc brakes front and rear. Ten-inch hard chromed discs; interchangeable pads. Armor-protected hydraulic hose. Rear brake pedal on right side of machine.

Other Equipment.

Passenger footpegs, kick starter, ample tool kit, side reflectors, steering lock, cushioned handgrips, rear view mirrors, grabrail.

Dimensions.

Wheelbase — 58 inches
Length — 88 inches
Width — 29 inches
Seat Height — 31-1/2 inches
Ground Clearance — 6-1/2 inches
Dry Weight — 493 pounds

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