

## TRIUMPH TR7 1975-1981

### Vehicle Identification

Vin Plate                          On front furrent

Vehicle Number Location        Adjacent to the left hand door striker plate.

Body Number Location

Engine Number Location        On the cylinder block between the carburetors.

Gearbox Number Location        Upper right hand side of the gearbox casing

### Tune Up

Rear Axle Number Location      Bottom flange of the axle housing.

Engine Firing Order            1-3-4-2

Valve Rocker Clearance        Inlet 0.008 in. (0.2 mm), Exhaust 0.018 (0.457mm)

Idle Speed                        800 RPM

Static Ignition Timing        10 degrees BTDC

Dynamic Ignition Timing (1975) 10 degrees BTDC @ 800 RPM, (1976-1980) 2 degrees ATDC @ 800 RPM

Timing Mark Location Located on the crankshaft pulley

Distributor Make/Type Delco Remy Series D302, Lucas 47DE4 Opus electronic

Contact Breaker (points) ~~Gap~~ Delco - Points gap 0.014-0.016 in. (0.34-0.41 mm), Lucas - Pick-up air gap 0.010-0.012 in. (0.25-0.30 mm)

Rotation of Rotor Anti-Clockwise

Dwell Angle 39 degrees

Ignition Coil Make/Type AC Delco coil, Lucas 15C6 coil

Primary Resistance 1.3 -1.5 ohms

Spark Plug Make/Type (Early models) Champion N-11Y, (Late models) Champion N-12Y

Spark Plug Gap 0.025 in. (0.64 mm)

Carburetor Make/Type (1975-1976 California) Dual Zenith Stromberg 175CD-4TV, (1975-1976 Federal) Dual Zenith Stromberg 175CD-4TV

Carburetor Main Jet

Carburetor Main Jet Needle (1975-1976) 45C, (1977-1979 Federal) B1DH, (1977-1979 California) B1EP

Carburetor Piston Spring Zenith B18277 in Red (Moss Motors part # 365-780)

**Vehicle & Engine**

Length	164.3 in.(4173 mm)
Width	66.2in. (1681 mm)
Height	49.9 in. (1268 mm)
Ground Clearance	3.5-4.5 in. (90-114 mm) depending on modeland loading
Track Front	55.5 in. (1409 mm)
Track Rear	55.3 in. (1404 mm)
Wheelbase	85 in. (2160 mm)
Turning Circle	31.5 feet (9.5 m)
Toe-In	0-1/16 in. (0-1.6 mm)
Unladen Weight	4-Speed 2158 lbs. (979 kgs.), 5-speed 2264 lbs. (1027 kgs.)
Curb Weight	4-Speed 2249 lbs. (1020 kgs.), 5-speed 2355 lbs. (1068 kgs.)

Gross Weight 4-Speed 2820 lbs. (1279 kgs.), 5-speed 2906 lbs. (1318 kgs.)

Original Tire Size 175/70 HR 13

Original Tire Pressure Front (Cold) 24 (1.68) square (1.68 kg/square cm)

Original Tire Pressure Rear (Cold) 28 (1.96) square (1.96 kg/square cm)

Replacement Tire Size 175/70 HR -13

Engine Type (Early model) SOHC, 4-cyl, inclined 40 degrees to vertical. (Late model) SOHC, 4-cyl, vertical.

Engine Displacement 122 cu.in.(1998 cc)

Firing Order 1-3-4-2

Compression Ratio 8.0:1

Engine Bore 3.56 in. (90.3 mm)

Engine Stroke 3.07 in. (78.0mm)

Number of Cylinders 4

Oil Pressure Idle 10-15 psi

Oil Pressure Normal

Ignition Type (Early models) Contact Breaker type AC Delco ignition, (Late model) Opus e

Fuel System Type (1975-1979) Dual Zenith Stromberg side draft carburetors, (1980-1981) Luc

Fuel Pump Make/Type AC mechanically operated diaphragm type.

Fuel Tank Capacity 14.4 gallons (5.4 litres)

Cooling System Capacity 16.0 pints with heater (7.7 litres)

Sump Capacity 9.5 pints (4.5 litres)

Gearbox Capacity, non-overdrive 2.4 pints (1.1 litres)

Gearbox Capacity, overdrive 3.0 pints (1.5-litres)

Gearbox Capacity, automatic (w/cooler) 11.6 pints (5.5 litres), (w/o cooler) 11.0 pints (5.2 litres)