



# 750 cc<sup>3</sup> Rocket 3





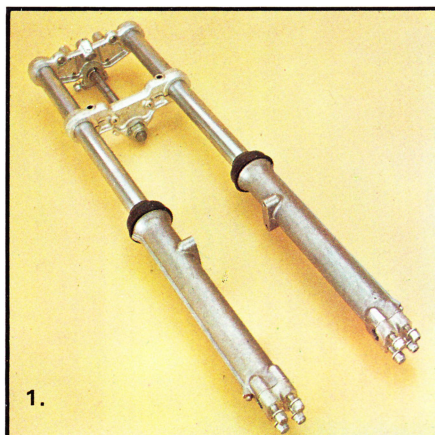
BSA have improved even further on the famous Rocket 3. The big triple has always given effortless acceleration, high cruising speeds and a feeling of real smoothness—thanks to the 120 degree three-throw crank. Now new forks, brakes and sensational re-styling have been added to the type of performance which smashed nine speed and endurance records at Daytona. New Rocket 3 . . . now an even better proposition.

*STOP PRESS!  
DAYTONA  
WINNER '71  
new record  
average speed  
104.7 m.p.h!*

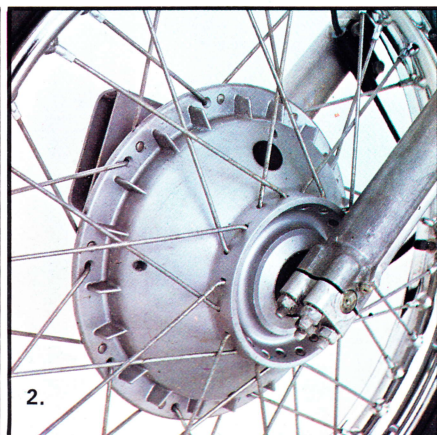
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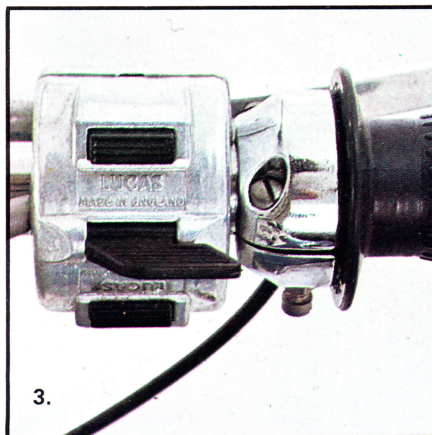
# New 750 cm<sup>3</sup> Rocket 3



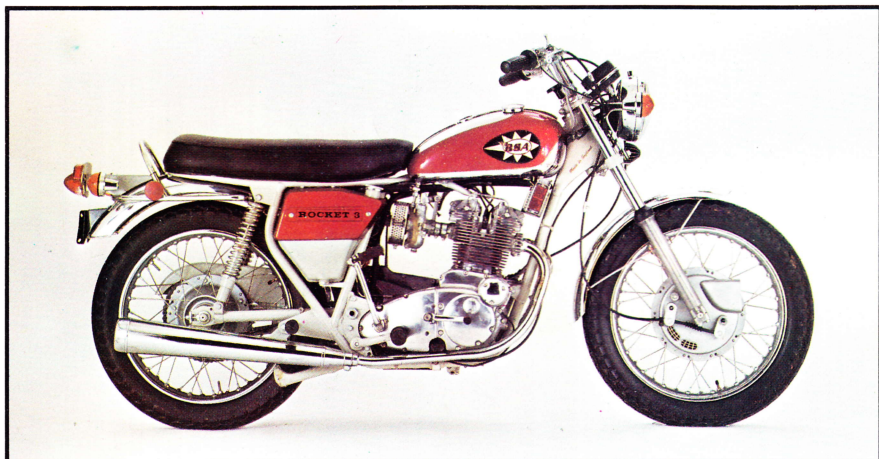
1.



2.



3.



## NEW FEATURES

1. New front fork design with full two-way hydraulic damping gives smooth controlled ride whatever the road conditions.
2. Fade-free brakes. Front 8" with twin leading shoes. Large air scoop improves cooling. Rear 7" brake with single leading shoe and fully floating cam.
3. New switch arrangement with horn button, dip switch, direction indicator switches, headlamp flasher and ignition cut-out button in two compact consoles.

### PLUS THESE EXTRA FEATURES:

- Re-styled for lighter appearance and good looks.
- Instruments and headlamp cushioned in new anti-shock mountings.
- New megaphone-type silencer.
- New flashing direction indicators front and rear.

## SPECIFICATIONS

### ENGINE:

750 cm<sup>3</sup> inclined transverse light alloy three cylinder O.H.V. Three 27mm Amal carburettors. Valves pushrod operated from high performance camshaft. Triple, easily adjustable contact breakers, oil cooler and high capacity gear type oil pump.

### FORKS:

Two-way damped with strong alloy legs to minimise unsprung weight.

### REAR SUSPENSION:

Swinging fork, hydraulically damped and adjustable for load.

### GEARBOX:

Four speed, single dry plate diaphragm spring clutch.

### BRAKES:

Front 8" twin leading shoe drum brake. Balanced shoe application and individual snail cam shoe adjustment. Rear 7" brake single leading shoe with fully floating cam. Conical light alloy hubs.

### ELECTRICAL AND LIGHTING EQUIPMENT:

12 volt. One coil per cylinder. Crankshaft-mounted alternator. New master electrical switch and handlebar switch consoles. Direction indicators.

### FRAME:

All welded Duplex cradle frame.

### PETROL TANK:

All steel welded with quick release filler cap.

### WHEELS:

Plate spokes and rims with Dunlop TT100 tyres.

### HANDLEBARS AND FITTINGS:

Chromium plated with smooth action twist grip.

Heavy duty brake cables with built-in adjusters. Nylon lined clutch cable. Clutch and front brake lever brackets with built-in mirror fixing points and electrical switches.

## TECHNICAL DATA

Engine Type	OHV	Primary Chain Size	$\frac{3}{8}$ " Triplex
No. of Cylinders	3	Rear Chain Size	$\frac{3}{8}$ " x $\frac{3}{8}$ "
Bore/Stroke mm.	67 x 70	Tyre Size Front	4.10 x 19
Bore/Stroke ins.	2.64 x 2.76		TT100
Capacity cm <sup>3</sup>	740	Tyre Size Rear	4.10 x 19
Capacity cu ins.	45		TT100
Comp. Ratio	9:1	Front Brake dia/type ins/cm	8" 2LS 20
Eng. Spr. Teeth	28	Rear Brake dia/type ins/cm	7" 1LS 18
Clutch Spr. Teeth	50	Finish	Firecracker Red
G/Box Spr. Teeth	19	Seat height ins/cm	32"/81
Rear Spr. Teeth	53	Wheel base ins/cm	57"/145
RPM @ 10 MPH (top gear)	715	Length ins/cm	88"/223
Gear ratio 4th	4.98	Width ins/cm	33"/84
" " 3rd	6.17	Ground Clearance ins/cm	7"/18
" " 2nd	8.42	Dry Weight lbs/kilos	455/206
" " 1st	12.15	Petrol-imp gallons/litres	4/18.2
Carburettor Make	Amal (3)	Oil-imp pints/litres	5/2.8
" Type	R626		