

SPECIFICATION.

Engine, A.J.S. Design and Manufacture. Twin Cylinder (84×90 m.m. Bore and Stroke, 996 c.c. capacity). Improved system of Mechanical Lubrication. Detachable Cylinder Heads. Aluminium Pistons. Roller Bearings to Big Ends of Connecting Rods. Ball Bearing Main Shafts.

Frame, Semi-Cradle Type, with Duplex Chainstays.

Three-Speed Countershaft Gear.

Clutch, Multiple Plate.

Footstarter, with enclosed operating mechanism.

Wheels, A.J.S. Patent Quick Detachable and Interchangeable Front and Rear.

Tyres, 26"×3.50" Wired-on Avon Heavy Non-skid.

Hubs, Taper Roller Bearing.

Front Forks, Improved Design.

Handlebars, New Type, with Steering Damper.

Carburettor, Amal with twist grip control.

Footboards, heavy rubber covered.

Brakes, Internal Expanding Front and Rear, quick adjustable.

Transmission, All Chain (Hans Renold), $\frac{3}{8}$ in. pitch, $\frac{3}{8}$ in. width.

Primary Drive enclosed. Rear Drive, top half only is covered.

Shock Absorber, on Engine Shaft.

Saddle, adjustable to three positions.

Magneto, Lucas, mounted behind Engine.

Tools, complete kit.

Rear Carrier, detachable.

Weight, to standard specification, 345 lbs.

Extra for Lucas Magdyno Electric Lighting Set with Instrument Panel, as illustrated, Price Solo ... £ 9 : 10 : 0

Price Combination £10 : 0 : 0

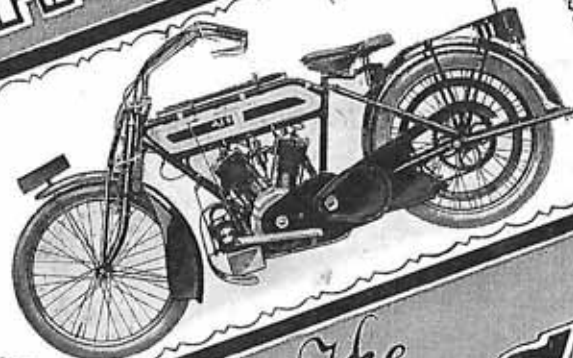
Extra for Lucas Magdyno Electric Lighting Set, without Instrument Panel, Price Solo ... £ 5 : 10 : 0

Price Combination £ 6 : 0 : 0

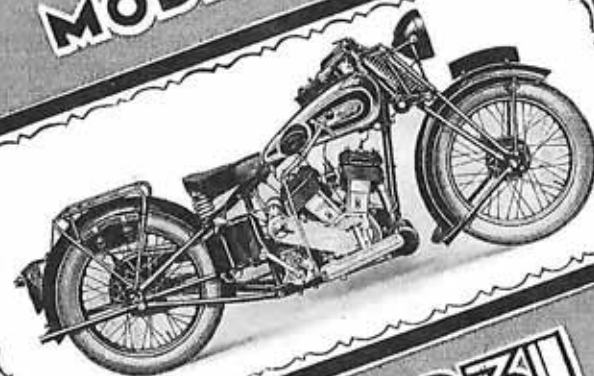
Extra for 27"×4.00" Tyres £ 0 : 3 : 0

Price - £63 : 0 : 0

FROM 1912



The
A.J.S.
9.96 HP
TWIN CYLINDER
MODEL S2



TO 1931

FOREWORD.

FROM 1912 to 1930 we have been manufacturing Twin Cylinder Motor Cycles, and for the whole of that period have enjoyed a reputation second to none. Thousands of riders of this particular model, from 1912 upwards, will testify to its supreme excellence in every respect, and to the satisfactory service they have derived from its use.

Good as all its predecessors have been, the 1931 Model S2 is infinitely better. The machine has been entirely redesigned, the following being a few of the improvements to be found:—

New frame, semi-cradle type, with duplex chain stays, affording greater rigidity and strength.

Magneto mounted well up behind the rear cylinder.

Gearbox carried above the bottom bracket.

Redesigned side-by-side valve engine, the valves being incorporated in the cylinder, leaving the detachable head quite free as in car practice.

Adjustable saddle, giving three positions fore and aft.

Improved mechanical lubrication.

New type shock absorber fitted on the shaft.

Improved silencing, etc., etc.

This model will make particular appeal to those who require a high-powered motor cycle for heavy duty work. It has a wide appeal not only to the private owner, but to police force patrols, etc., and to all Government and Municipal departments requiring transport for their officials.

Particular attention has been paid to the comfort of the rider, the handlebars and large saddle give a comfortable riding position, with maximum controllability, whilst it is outstanding for Efficiency, Flexibility, Reliability and Minimum Attention and Upkeep Costs.

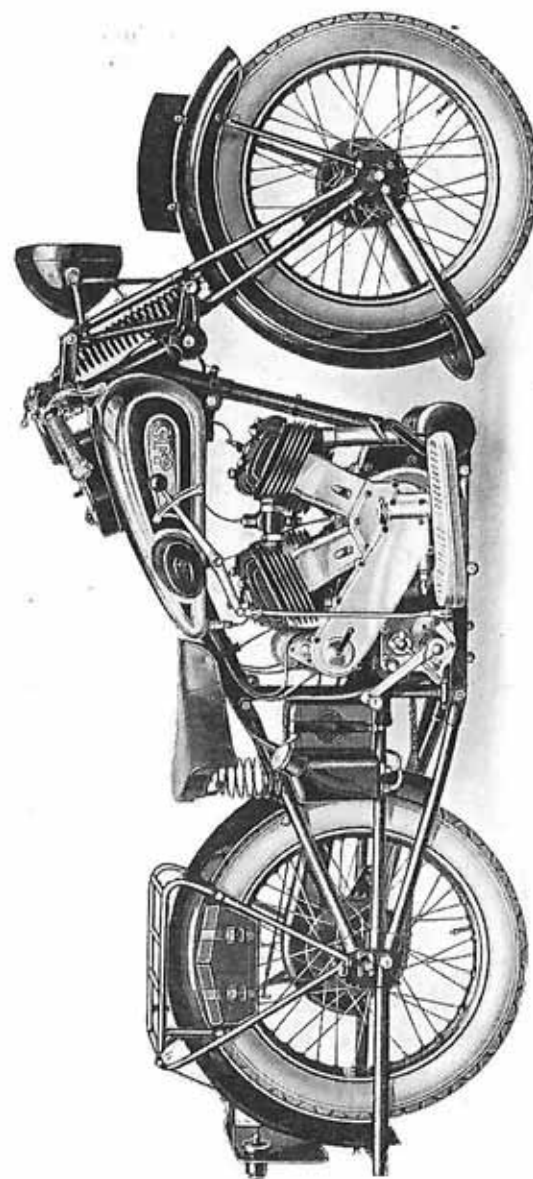
This machine not only makes an ideal high-powered solo mount, but is equally suitable for sidecar work.

The general design and specification is most up-to-date, and if necessary the machine can be fitted with an instrument panel on the top of the tank, which contains the lighting switches, ammeter, speedometer and clock. This latter fitment is an absolute necessity to police on patrol, or to the long distance tourer.

A demonstration by your local A.J.S. dealer will convince you of its "snappy" acceleration, smooth running at all speeds, and comfort under all conditions.

High Performance, Quality, Low Upkeep Costs and Comfort, have been our first consideration, whilst its price represents the highest possible value for money.

All A.J.S. Motor Cycles are guaranteed for six months from date of purchase.



The 1931 A.J.S. 9.96 h.p. Twin Cylinder, Model S2.