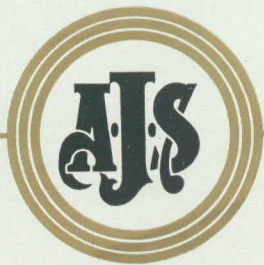


M O T O R C Y C L E S

1947

27 MAR 1947



# F O R E W O R D

Since resuming the manufacture of motorcycles for the civilian market, the total resources of our organisation have been working to maximum capacity to meet the overwhelming demand that exists for A.J.S. motorcycles.

Although no effort is being spared to meet the requirements of old and potential owners, it is equally essential that the standard of finish and mechanical excellence, for which A.J.S. motorcycles are justly World famous, should be maintained.

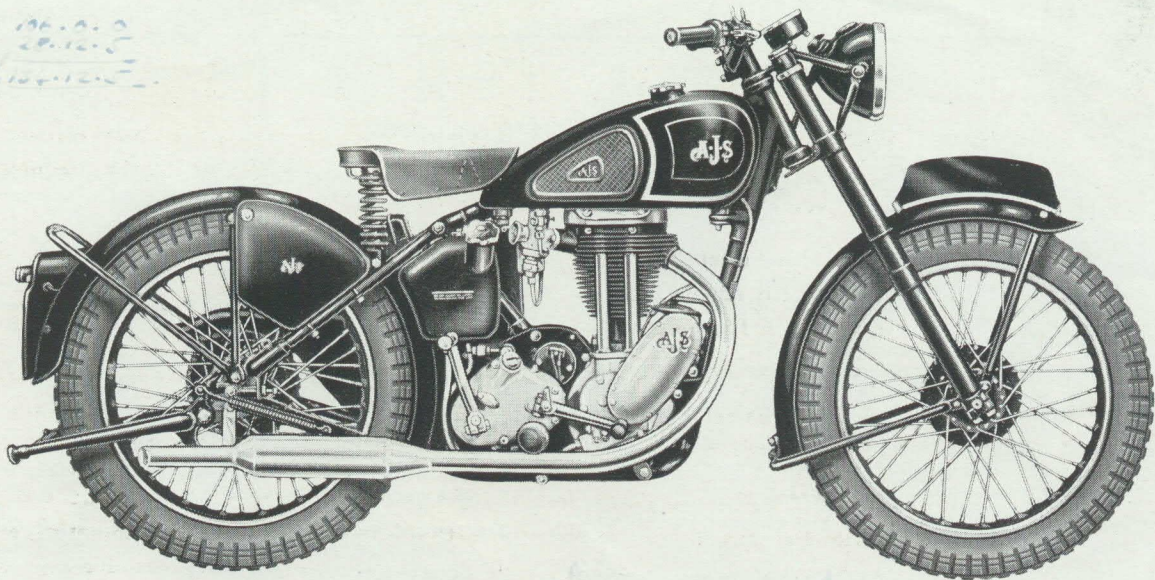
Manufactured to exceptionally fine limits, all mechanical parts of A.J.S. motorcycles are subjected to a 100 per cent inspection before assembly, and it is therefore not surprising that the post-war A.J.S. has set a new standard in mechanical silence.

Incorporating many new features and improvements, we are confident that the Model 16M and Model 18, will still further enhance the enviable reputation held by A.J.S. motorcycles, and provide their owners with the continuous trouble-free running so long associated with the name of A.J.S.

*World famous for*

- ★ Q U A L I T Y
- ★ P E R F O R M A N C E
- ★ R E L I A B I L I T Y

1960-2  
1961-2  
1962-3

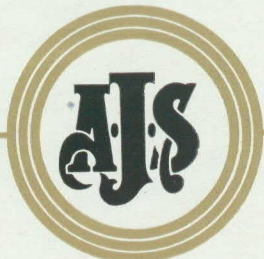


300000 / 15.000 extra

# MODEL 16M

347 c.c. O.H.V.

A quality 350 c.c. that provides the standard of performance, steering and reliability demanded by the modern rider.



# SPECIFICATION

## MODELS 16M & 18

ENGINE	Bore	Stroke	Capacity
Model 16M ...	69 m.m.	93 m.m.	347 c.c.
Model 18 ...	82.5 m.m.	93 m.m.	498 c.c.

Both engines are of the single port O.H.V. type and incorporate the latest features of design. All moving parts are totally enclosed and lubricated from the main engine pump, and the valve gear is readily accessible for adjustment by the removal of the cover plate provided.

Of exceptionally rigid construction the flywheel assembly is supported on the drive side by two large diameter ball races, and on the timing side by a caged roller and plain phosphor bronze bearing. The big end bearing is of particular interest and comprises a two piece crankpin, Duralumin cage and triple row roller bearing.

**LUBRICATION.** Full dry sump system with large capacity rotary reciprocating plunger pump and separate oil tank. Pressure feed to big end, main bearings, valve gear, piston and camshaft bearings.

**GEARBOX.** Four speed heavyweight, with enclosed foot gear-change mechanism, and handlebar controlled clutch.

**TRANSMISSION.** Primary chain enclosed in oil bath chaincase. Rear chain protected by efficient deep section guard. Smooth running ensured by efficient spring loaded cam type shock absorber.

**CARBURETTOR.** Semi-automatic Amal. Quick action twist grip and lever air control.

**FRAME.** Heavy gauge steel tube duplex cradle, with single straight front down member. Integral pillion footrest lugs and forged rear fork ends.

**FORKS.** Patented "Teledraulic" with improved three rate springs and controlled by hydraulic damping. Self lubricating and no maintenance required.

**STANDS.** Central prop stand, tubular front and spring-up rear.

**HANDLEBARS.** Chromium plated, fully adjustable semi-sports.

**TANKS.** Welded steel 3 gall. petrol tank with twin cork seated filter taps. 3 pint oil tank of same construction incorporating detachable fabric filter.

**BRAKES.** Large diameter internal expanding with finger adjustment.

**SADDLE.** Large Lycett spring seat.

**WHEELS.** 19" front and rear with 26" x 3.25" Dunlop cord Tyres.

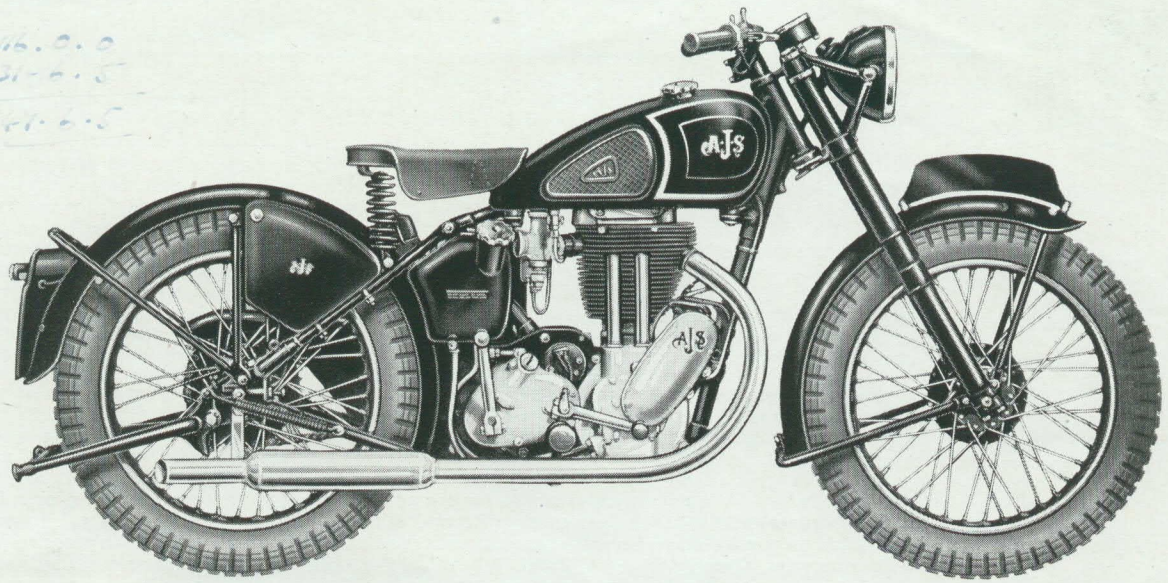
**MUDGUARDS.** Portion of rear guard quickly detachable for wheel accessibility. Both guards of special efficient section and design.

**ELECTRICAL EQUIPMENT.** Separate magneto and dynamo independently driven by roller chains in oil bath cases. Large diameter headlamp, handlebar dipper switch, electric horn, centrally mounted battery and constant voltage control.

**FINISH.** Three coats of finest quality black stove enamel on Bonderized surface. Wheel rims, handlebars, headlamp rim, filler caps and exhaust system chromium plated. Petrol tank and wheel rims hand-lined in gold.

**EQUIPMENT.** Full set of tools, including grease gun and tyre pump. Ninety Page Instruction Manual.

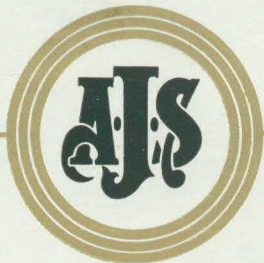
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# MODEL 18

498 c.c. O.H.V.

A superbly finished motorcycle that provides an outstanding performance coupled with unfailing reliability.



## GUARANTEE

We give the following guarantee with our motorcycles, motorcycle combinations and sidecars, which is given in place of any implied conditions, warranties or liabilities whatsoever, statutory or otherwise, all such implied conditions, warranties and liabilities being in all cases excluded. Any statement, description, condition or representation contained in any catalogue, advertisement leaflet or other publication shall not be construed as enlarging, varying or overriding this guarantee. In the case of machines (a) which have been used for 'hiring-out' purposes, or (b) any motorcycle and/or sidecar used for any dirt track, cinder track or grass track racing or competitions (or any competition of any kind within an enclosure for which a charge is made for admission to take part in or view the competition), or (c) machines from which the trade mark, name or manufacturing number has been removed, no guarantee, condition or warranty of any kind is given or is to be implied.

We guarantee, subject to the conditions mentioned below, that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, but this guarantee is to extend and be in force for six months only from date of purchase, and damages for which we make ourselves responsible under this guarantee are limited to the free supply of a new part in exchange for the part of the motorcycle, motorcycle combination or sidecar which may have proved defective. We do not undertake to replace or refix, or bear the cost of replacing or refixing such new parts in the motorcycle, motorcycle combination or sidecar. We undertake, subject to the conditions mentioned below, to make good at any time within six months any defects in these respects. As motorcycles, motorcycle combinations and sidecars are easily liable to derangement by neglect, or misuse, this guarantee does not apply to defects caused by wear and tear, misuse or neglect. The term 'misuse' shall include amongst others the following acts:—

1. The attaching of a sidecar to a motorcycle in such a manner as to cause damage or calculated to render the latter unsafe when ridden.
2. The use of a motorcycle or of a motorcycle and sidecar combined, when carrying more persons or a greater weight than that for which the machine was designed by the manufacturers.
3. The attaching of a sidecar to a motorcycle by any form of attachment not provided, supplied or approved by us, or to a motorcycle which is not designed for such use.

Any motorcycle, motorcycle combination or sidecar sent to us to be plated, enamelled or repaired will be repaired upon the following conditions, i.e. we guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, such guarantee to extend and be in force for three months only from the time such work shall have been executed or until the expiration of the six months above referred to, and this guarantee is in lieu and in exclusion of any common law or statute, warranty or condition, and the damages recoverable are limited to the cost of any further work which may be necessary to amend and make good the work found to be defective.

### CONDITIONS OF GUARANTEE

If a defective part should be found in our motorcycles, motorcycle combinations or sidecars, or in any part supplied by way of exchange before referred to, it must be sent to us CARRIAGE PAID, and accompanied by an intimation from the owner that he desires to have it repaired or exchanged free of charge under our guarantee, and he must also furnish us at the same time with the number of the machine, the date of the purchase or the date when the alleged defective part was exchanged as the case may be.

Failing compliance with the above, such articles will lie here AT THE RISK OF THE OWNER, and this guarantee and any implied guarantee, warranty or condition shall not be enforceable.

We do not guarantee specialities such as tyres, saddles, chains, electrical equipment, lamps, etc., or any component parts supplied to the order of the Purchaser differing from standard specifications, supplied with our motorcycles, motorcycle combinations, sidecars, or otherwise.

### NOTICE

We do not appoint agents for the sale on our behalf of our motorcycles or other goods, but we assign to Motorcycle Dealers areas in which we supply to such Dealers exclusively for re-sale in such areas. No such Dealer is authorised to transact any business, give any warranty, make any representation, or incur any liability on our behalf.

### LIST OF OPTIONAL EQUIPMENT

Detachable Luggage Carrier. 80 m.p.h. Speedometer. 120 m.p.h. Speedometer. Mudguard type Pillion Seat with Pillion Footrests. Luggage Carrier with Pannier Equipment, including Fixing Frames, etc.

NINE TIMES MEMBER  
OF THE BRITISH TEAM  
INTERNATIONAL  
SIX DAYS TRIAL  
(Mr. G. E. Rowley)



WINNERS OF  
SIX I.O.M. TOURIST  
TROPHY RACES  
*and*  
Innumerable Grands Prix

THE FIRST MOTORCYCLE TO LAP A ROAD RACE CIRCUIT AT OVER 100 M.P.H.  
Achieved by Walter Rusk in the 1939 Ulster Grand Prix.

**A.J.S. MOTOR CYCLES**

**PLUMSTEAD ROAD**

**LONDON, S.E. 18**

**ENGLAND**

Proprietors: ASSOCIATED MOTOR CYCLES LTD

TELEPHONE: WOOLWICH 1223

TELEGRAMS: ICANOPIT, WOL, LONDON