



# Royal Enfield

SPECIAL

# BULLET

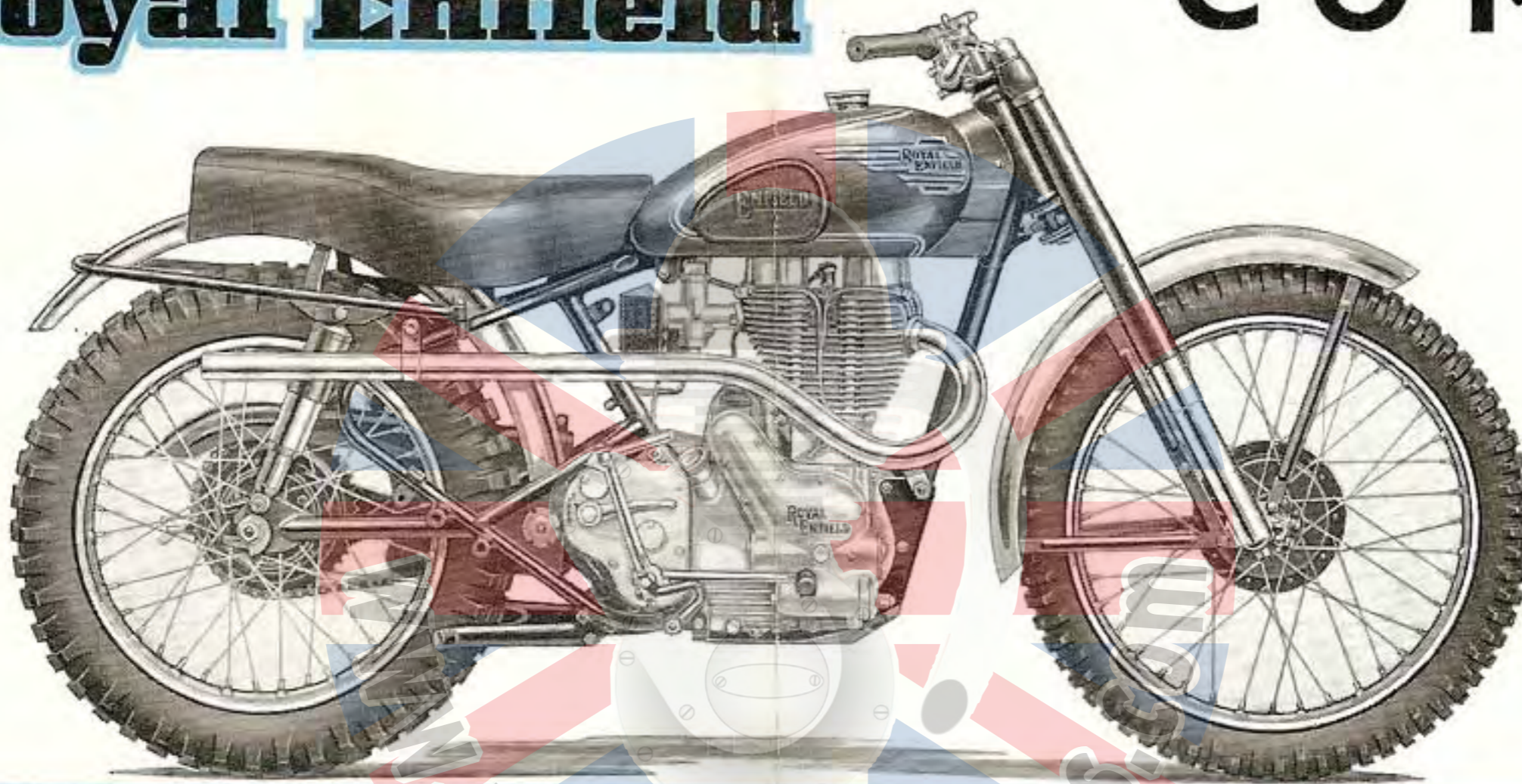
MOTORCYCLES



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# Royal Enfield

# COMPE



## SCRAMBLER

**Engine :** 346 or 499 c.c. Single Cylinder. Extremely robust and rigid crankcase and crankshaft assembly. Heavy duty mainshaft ball bearings. Large oil circulation. Aluminium alloy cylinder head with shrunk-in valve seats. Aluminium alloy cylinder barrel with austenetic iron liner. Compression ratios available—"350" : 7.5, 8.5 or 10.5 to 1. "500" : 7.25, 8 or 9.5 to 1. Lucas "Wader" type magneto. Polished cylinder head, flywheels, etc. **Gearbox :** Fitted with kickstarter. Improved heavy duty clutch. Primary drive by Duplex  $\frac{3}{8}$ in. pitch chain running in oil. Final drive by  $\frac{5}{8}$ in. pitch chain. Gear ratios—"500" : 6.06, 7.9, 10.9 and 16.8 to 1. "350" : 7.08, 9.2, 12.7, 19.7 to 1. For alternative available ratios see chart. **Wheels :** Front—3.00—21in. Dunlop Sports tyre. One security bolt. Rear—4.00—19in. Dunlop Sports tyre. Two security bolts. 7in. brake. **Suspension :** Front—new Royal Enfield telescopic fork with improved hydraulic damping. Rear—swinging arm type with suspension units incorporating improved hydraulic damping. **Equipment :** Light alloy mudguards. Small capacity petrol tank. Dual seat. Engine undershield. Steering damper. Straight through upswept exhaust pipe. Air cleaner. **Finish :** "500" : Polychromatic "Copper Beech." "350" : Polychromatic Silver Grey. Bright parts heavily chromium plated.

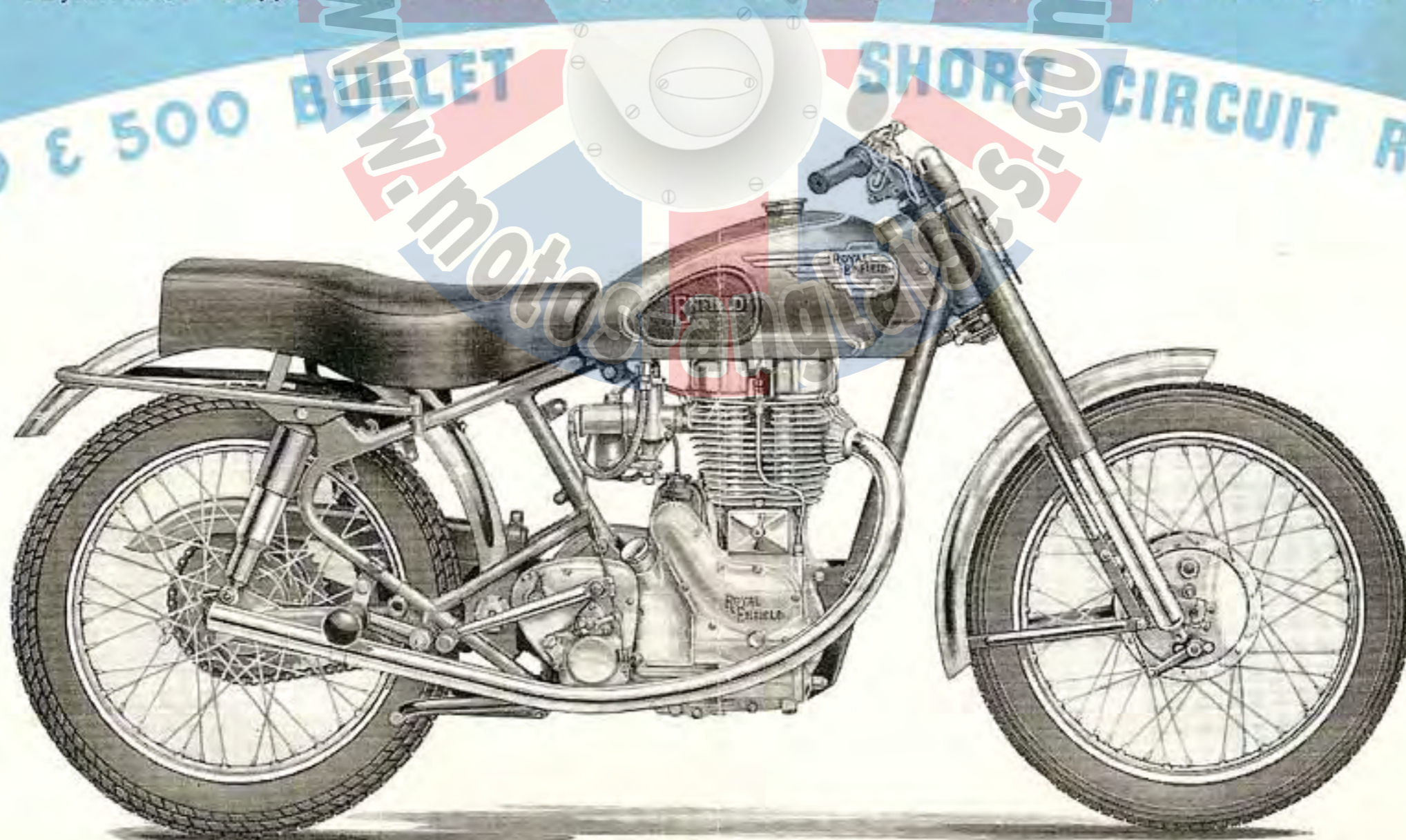
350  
500 *special* BULLET

# ETITION MOTOR CY

**Engine :** 346 or 499 c.c. Single Cylinder. Extremely rigid and robust crankcase and crankshaft assembly. Heavy duty mainshaft ball bearings. Large oil circulation. Aluminium alloy cylinder head with shrunk-in valve seats. Aluminium alloy cylinder barrel with austenetic iron liner. Racing valve timing. Lightened flywheels. Amal 10 G.P. racing carburetter. Lucas racing magneto. Compression ratios available—"350" : 7.5, 8.5 or 10.5 to 1. "500" : 7.25, 8 or 9.5 to 1. Polished cylinder head flywheels, etc. **Gearbox :** No kickstarter. Heavy duty clutch. Primary drive by  $\frac{3}{8}$  in. pitch Duplex chain running in oil. Final drive by  $\frac{5}{8}$  in. pitch chain. Normal close gear ratios—"500" : 4.91, 5.35, 6.28 and 8.1 to 1. "350" : 5.72, 6.75, 8.01, 10.3 to 1. For alternative available ratios, see chart. **Wheels :** Front—3.00—19in. Dunlop Ribbed Racing tyre. One security bolt. Dual 6in. front brakes. Rear—3.50—19in. Dunlop Road Racing tyre. One security bolt. 7in. brake. Steel rims standard. Light alloy rims fitted as extra. **Suspension :** Front—new Royal Enfield telescopic fork with improved hydraulic damping. Rear—swinging arm type with suspension units incorporating improved hydraulic damping. **Equipment :** Light alloy mudguards. Small capacity petrol tank. Dual seat. Rear mounted. Footrests, gear and brake operation. Steering damper. Straight through exhaust pipe. Revolution counter fitted as extra. **Finish :** "500" : Polychromatic "Copper Beech." "350" : Polychromatic Silver Grey. Bright parts heavily chromium plated.

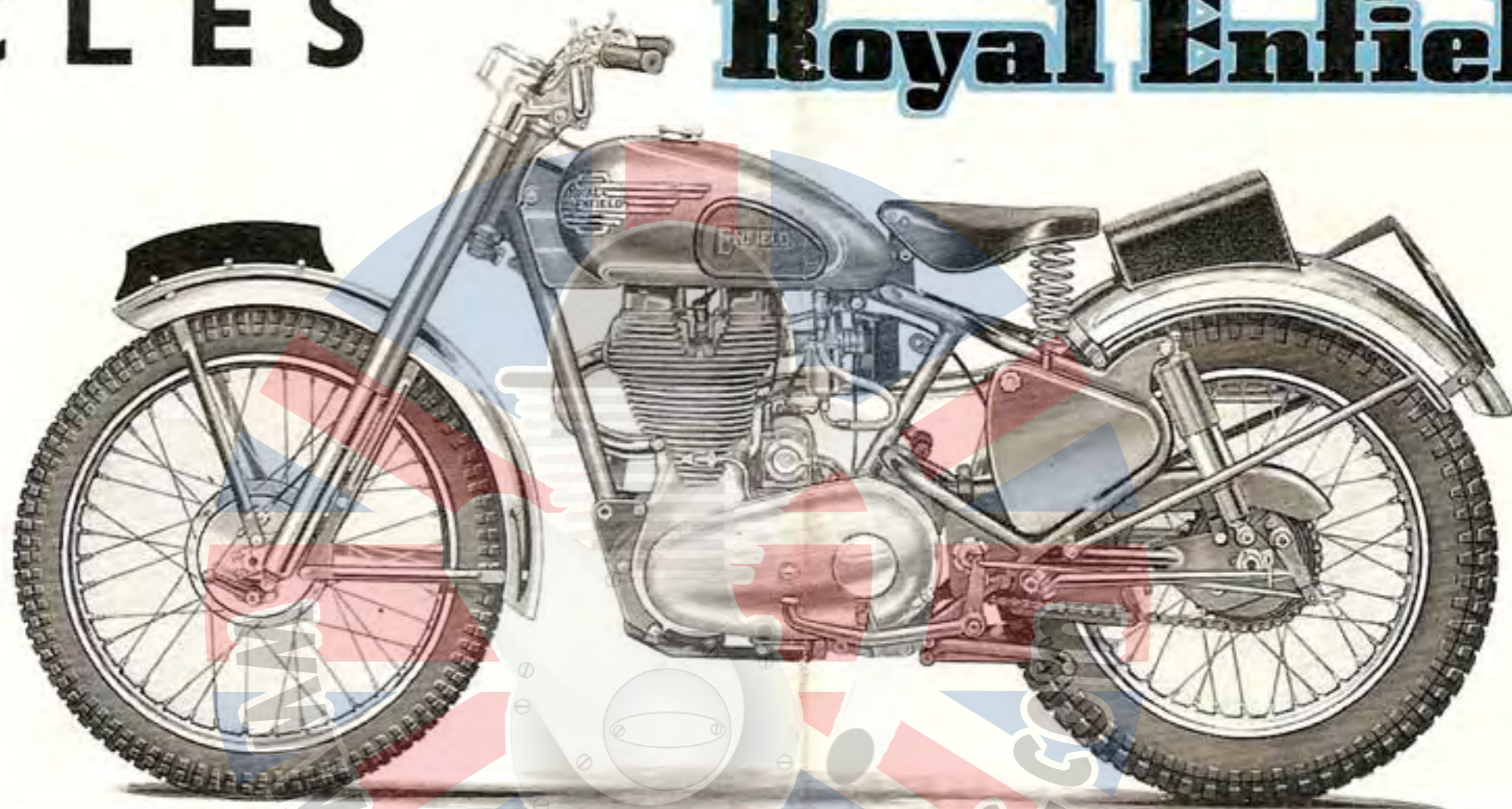
350 & 500 BULLET

SHORT CIRCUIT RACER



# CYCLES

# Royal Enfield



## TRIALS MODEL

**Engine :** 350 or 500 c.c. The Bullet engines fitted to the Trials machines are specially tuned to meet the requirements of the trials rider, having low compression pistons, small bore carburetters and heavier flywheels than standard. The engines are also fitted with an efficient air filter and Lucas "Wader" magneto. **Gearbox :** Special ratios—"350" : 7-1, 9-95, 15-25 and 21-3 to 1. "500" : 6-06, 8-5, 13-03 and 18-2 to 1. **Wheels :** Front—2-75—21in. Dunlop Trials Universal tyre. One security bolt. Rear—4-00—19in. Dunlop Trials Universal tyre. Two security bolts. Special light hubs to both front and rear wheels. **Frame and Fork :** Very light yet immensely strong construction incorporating the well known Royal Enfield hydraulically damped suspension on both front and rear. The ground clearance is approximately 7in. when the rider is seated. **Equipment :** Light alloy mudguards. Small capacity petrol tank. Air cleaner. Engine undershield. One toolbox with tools. Pad on rear mudguard. Prop stand in addition to centre stand. Upswept high level exhaust system. **Finish :** "500" : Polychromatic "Copper Beech." "350" : Polychromatic Silver Grey. Bright parts heavily chromium plated.

350  
500 *special* BULLET

# TECHNICAL DATA

	Bore & Stroke	Petrol Tank Capacity	Oil Tank Capacity	Weight	Wheelbase	Ground Clearance
"350" Scrambles	70×90 mm.	2 gallons	4 pints	320 lbs.	54 inches	7 inches
"500" Scrambles	84×90 mm.	2 gallons	4 pints	328 lbs.	54 inches	7 inches
"350" Racer	70×90 mm.	2 gallons	4 pints	305 lbs.	54 inches	6½ inches
"500" Racer	84×90 mm.	2 gallons	4 pints	315 lbs.	54 inches	6½ inches
"350" Trials	70×90 mm.	2 gallons	4 pints	320 lbs.	54 inches	7 inches
"500" Trials	84×90 mm.	2 gallons	4 pints	328 lbs.	54 inches	7 inches

The following gear ratios are available:

**With kickstarter:**

No. 12 ...	...	1, 1.4,	2.15, 3.3
No. 14 ...	...	1, 1.4,	1.98, 3.3
No. 16 ...	...	1, 1.3,	1.67, 2.14

**Racing close ratio, no kickstarter:**

No. 1 ...	...	1, 1.09,	1.28, 1.65
No. 3 ...	...	1, 1.18,	1.4, 1.8
No. 5 ...	...	1, 1.18,	1.4, 2.13

In addition the following sprockets can be supplied:

Model	Engine Sprocket	Countershaft Sprocket
"350 Bullet"	20 or 25	14, 15, 16, 17, 18, 19.
"500 Bullet"	25 or 29	14, 15, 16, 17, 18, 19, 20, 21.

# Guarantee

The following is a copy of the Guarantee given by Dealers in Royal Enfield Motor Cycles :—

We give the following Guarantee with our Motor Cycles, Motor Cycle 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 motor cycle 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 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 to be in force for six months only from the 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 motor cycle, motor cycle 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 part in the motor cycle, motor cycle 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 motor cycles, motor cycle 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 the motor cycle in such a manner as to cause damage calculated to render the latter unsafe when ridden.
2. The use of a motor cycle or of a motor cycle 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 motor cycle by any form of attachment not provided or supplied by the manufacturers or to a motor cycle which is not designed for such use.

Any motor cycle or motor cycle 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 motor cycles, motor cycle 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 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, lamps, etc., or any component parts supplied to the order of the purchaser differing from standard specifications supplied with our motor cycles, motor cycle combinations, sidecars or otherwise. Such parts are, however, normally guaranteed by their respective manufacturers, to whom any claims should be made in the event of such parts proving defective.

## NOTICE

We do not appoint agents for the sale on our behalf of our motor cycles or other goods but we assign to motor cycle 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. The specifications and prices in this publication are subject to modification at any time without notice.

# THE ENFIELD CYCLE CO. LTD.

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