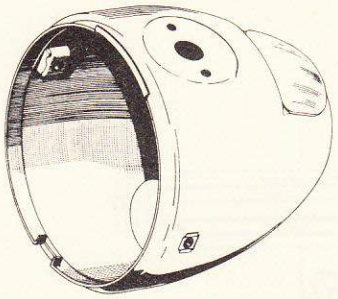
HEADLAMP WIPAC SPARES

B.S.A. DANDY SEVENTY LIGHT SCOOTER

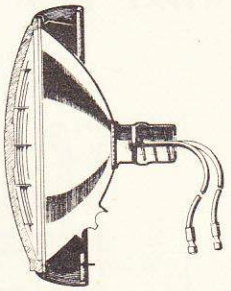
MODELS PRODUCED FROM OCTOBER 1956 TO APRIL 1957

S0343



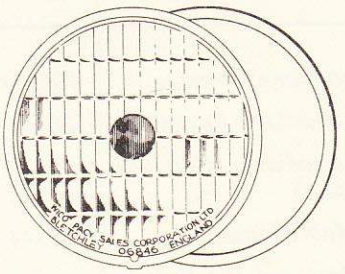
Lamp Body Set

S0346



Lamp Front Unit (In Section)

S0348



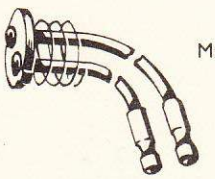
Headlamp Glass Set

02485  Connector (4 Way)

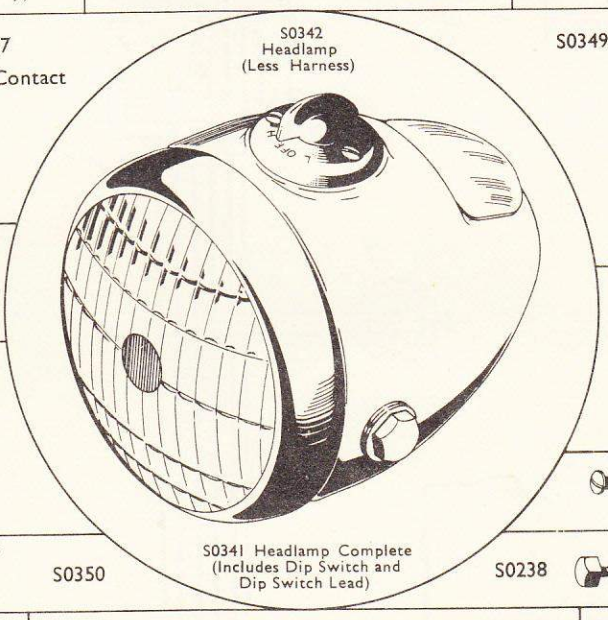
00608  Connector (Single)

01874  Connector (Double)

S0347 Main Bulb Contact Set

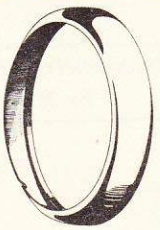


S0342 Headlamp (Less Harness)

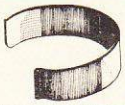


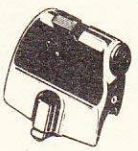
S0341 Headlamp Complete (Includes Dip Switch and Dip Switch Lead)

S0349 Rim



S0352 Battery Clip Set (Box of 2)





06205 Horn and Dip Switch

S0351 Pilot Bulb Holder Set

S0064 Rim Locking Set

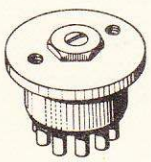
Reflector Clips (Box of 3)

S0350

S0238

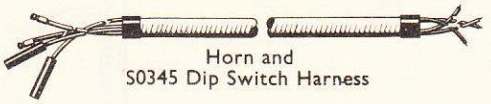
Headlamp Fixing Set

06587



Switch Body Unit

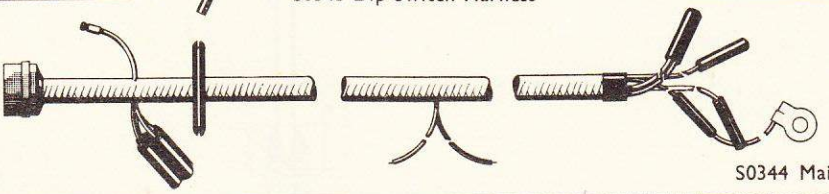
06588 Switch Cover and Knob Group



Horn and S0345 Dip Switch Harness

06291

Switch Complete



S0344 Main Harness

THE WIPAC GROUP — BLETCHLEY — ENGLAND
TELEPHONE: BLETCHLEY 3321 TELEGRAMS: WICOMAGSCO BLETCHLEY

REF. HL-1-57/1

WIRING WIPAC DIAGRAM

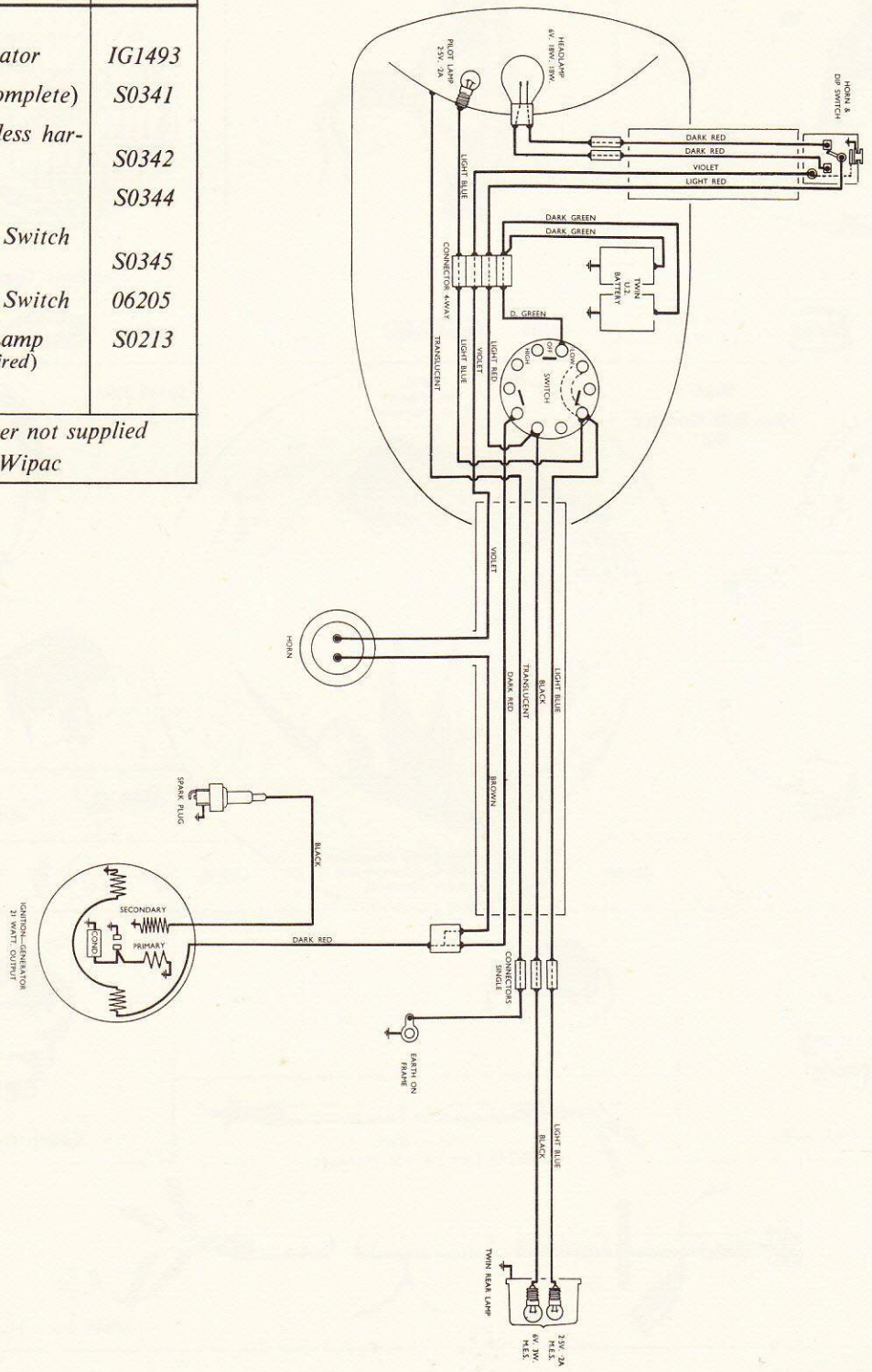
B.S.A. DANDY SEVENTY LIGHT SCOOTER

MODELS PRODUCED FROM OCTOBER 1956 TO APRIL 1957

THE WIPAC GROUP · BLETCHLEY · ENGLAND

SPARES UNITS	PART No.
Ignition-Generator	*IG1493*
**Headlamp (complete)*	*S0341*
**Headlamp (less harness)*	*S0342*
Main Harness	*S0344*
Horn and Dip Switch Harness	*S0345*
Horn and Dip Switch	*06205*
Stop & Rear Lamp (quote Bulbs required)	*S0213*

**Speedometer not supplied by Wipac*



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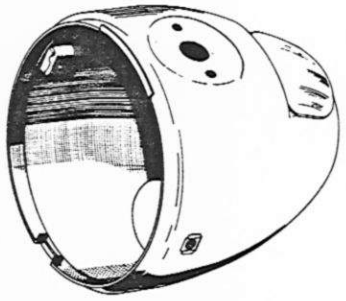
HEADLAMP WIPAC SPARES

B.S.A. DANDY SEVENTY LIGHT SCOOTER

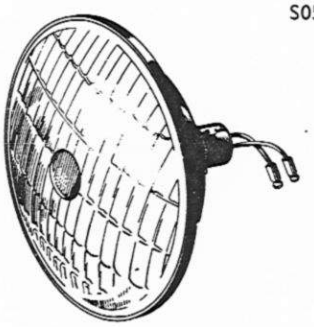
MODELS PRODUCED FROM MAY 1957

S0343



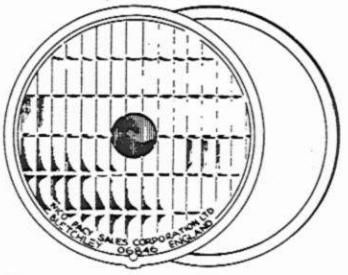
Lamp Body Set

S0508

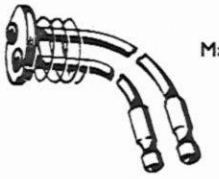


Reflector and Glass Set

S0348

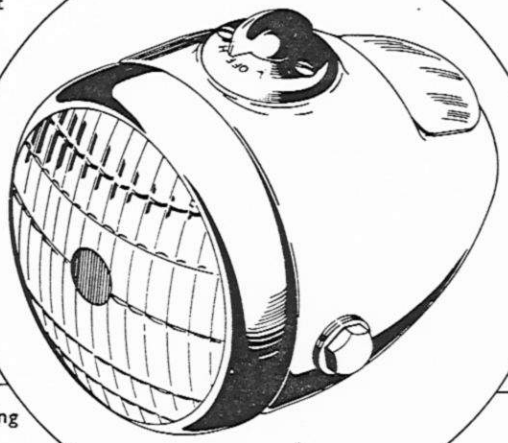


Headlamp Glass Set



S0347
Main Bulb Contact Set

S0342
Headlamp
(Less Harness)



S0341 Headlamp Complete
(Includes Harness and Dip Switch)

S0349 Rim

02485

Connector (4 Way)

00608

Connector (Single)

Reflector Clips (Box of 3)

S0350

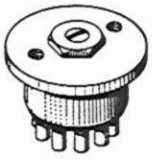
06205
Horn and Dip Switch

S0238

Headlamp Fixing Set

S0064
Rim Locking Set

06587



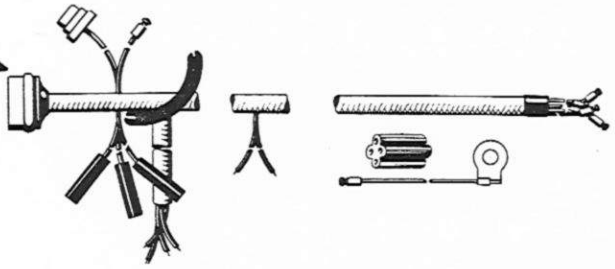
Switch Body Unit

06588
Switch Cover and Knob Group

06291

Switch Complete

S0526 (Blue)
Plug Unit



S0344 Main Harness

THE WIPAC GROUP — BLETCHLEY — ENGLAND
TELEPHONE: BLETCHLEY 3321 TELEGRAMS: WICOMAGSCO BLETCHLEY

REF. HL. 3.57

WIRING
WIPAC
DIAGRAM

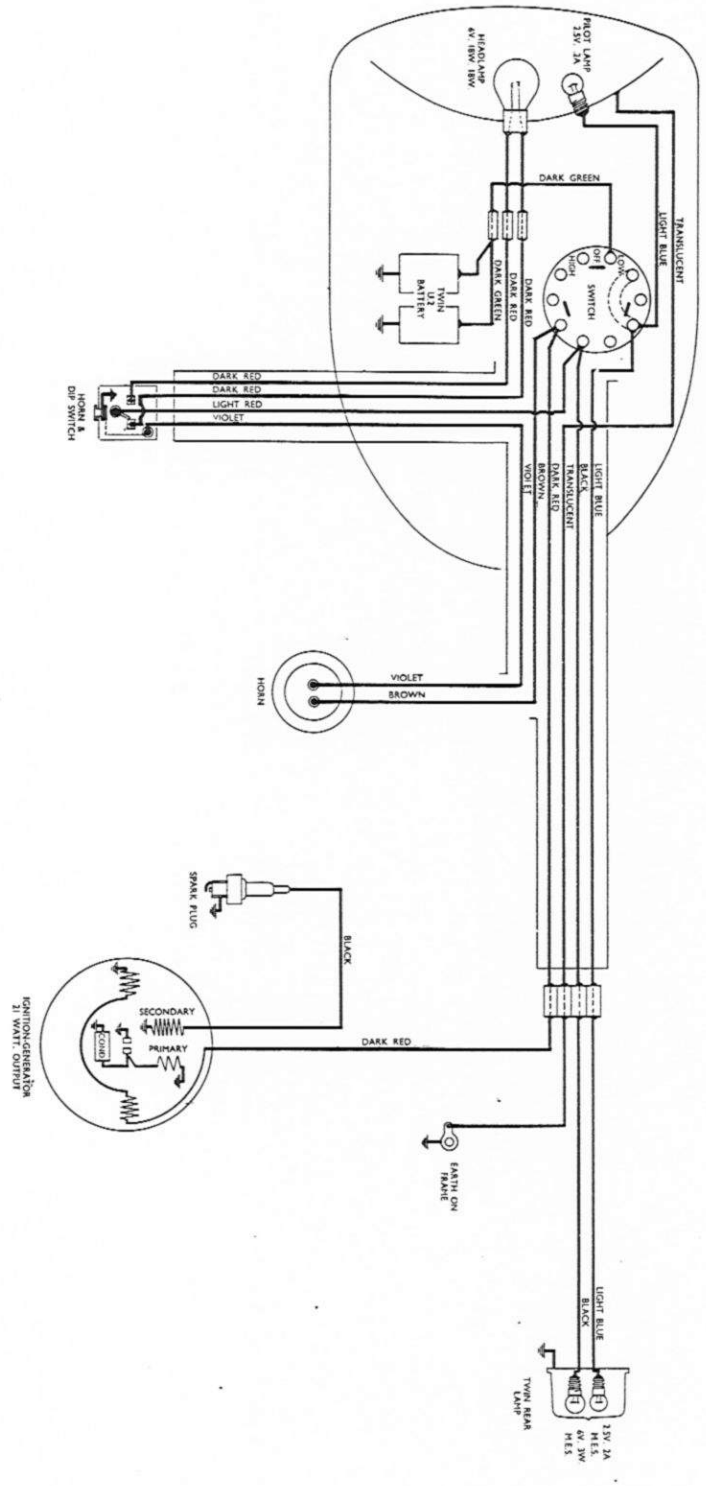
B.S.A. DANDY SEVENTY LIGHT SCOOTER

MODELS PRODUCED FROM MAY 1957

THE WIPAC GROUP · BLETCHLEY · ENGLAND

EQUIPMENT	PART No.
Ignition-Generator	*1G1501*
**Headlamp (complete)*	*S0341*
**Headlamp (less harness)*	*S0342*
Main Harness	*S0344*
Horn and Dip Switch	*06205*
Stop & Rear Lamp (quote Bulbs required)	*S0213*

**Speedometer not supplied by Wipac*



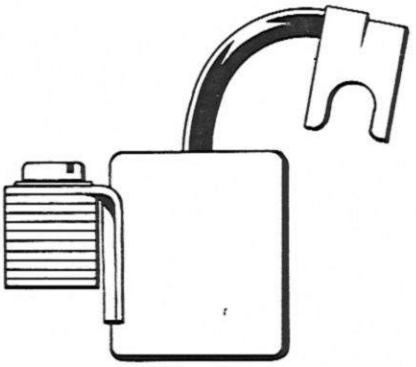
PRINTED AND PUBLISHED IN ENGLAND BY THE WIPAC GROUP, PUBLICITY DEPARTMENT. REF. WD/15/708

SERVICE WIPAC BULLETIN	SUBJECT	**CONDENSER CHANGE** on Ignition units Series 141 as fitted to **B.S.A., DANDY AND PIATTI SCOOTERS**		
	Ref. No.	1501/258	CANCELS	
	AUTHORITY	F.K.M.	INSERT THIS BULLETIN INTO :-	No. 3
	DATE OF ISSUE	FEB. 1958		

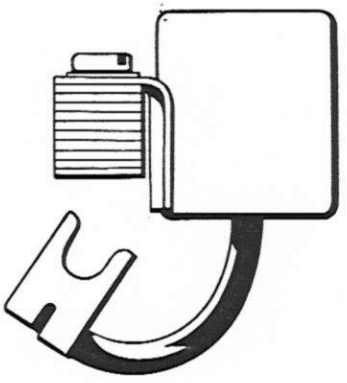
The original Condenser had the fixing bracket level with the " lead " end of the Condenser barrel. It was fitted in an upright position and so the lead to the contact block was *over* the core stampings.

In order to give protection to the Condenser lead, it now passes *under* the core stampings and so requires a Condenser with the bracket attached about two-thirds of the barrel length from the " lead " end, and affixed in the inverted position. See sketches.

Both types of Condenser are under the same part No. S0051.



Early Type



Late Type

THE WIPAC GROUP — BLETCHLEY — ENGLAND
TELEPHONE: BLETCHLEY 3321 TELEGRAMS: WICOMAGSCO BLETCHLEY

Printed in England by the Wipac Group

THIS IGNITION GENERATOR IS FITTED AS STANDARD EQUIPMENT TO THE

B.S.A.

DANDY (Seventy)

LIGHT SCOOTER

(From Engine No. D.S.E. 3701)

MAIN DETAILS	
Wipac Type	Series 141
Engine cylinder	Single
Rotation	Anti-clockwise
Flywheel weight	4½ lbs
Flywheel diameter	5½″
Ignition	Direct from magneto
Lighting	6 volt A.C. 21 watts at 2,800 r.p.m.
H.T. lead	16½″ (7 mm.)
Breaker point setting	.018″
Recommended spark plug	P70

RUNNING MAINTENANCE

The ignition generator requires very little maintenance and if the following notes are observed the life of the machine should prove trouble-free.

Check and if necessary re-adjust the contacts once every 5,000 miles.

Occasionally clean the contacts by inserting a dry smooth piece of paper between them and withdrawing while the contacts are in the closed position. Do not allow the engine to run with oil or petrol on the contacts or they will start to burn and blacken, and if they do, lightly polish with a piece of smooth emery cloth.

After every 5,000 miles it is necessary to re-lubricate the cam grease pad. This is done by removing the pad and squeezing and working into it a Summer grade of motor transmission grease which will very closely resemble that used at the factory. **Do not use ordinary grease.**

SERVICING

Checking ignition for spark

If the engine fails to start and there is indication that the ignition is at fault:—

(A) Disconnect H.T. lead from the spark plug and hold it about $\frac{3}{16}$″ away from some unpainted portion of the frame or engine. Kick-start the engine in the usual way and a spark should jump this gap.

(B) If no spark is visible:—

1. Check H.T. lead for continuity.
2. Check contact breaker points for correct gap setting and see that they are clean.
   Check breaker point adjustment screws for tightness.
3. By removing the flywheel examine the internal leads for breaks and see they are all properly secured. Make sure covered leads are not chafed and earthing.
4. Make sure there are no metallic particles inside the unit.
5. If the insulation of the H.T. coil has broken down it will show signs of charring on the outside but it is unlikely that this will happen in normal use.

Condenser

A weak or faulty condenser can be detected by badly burnt and pitted contacts or a continuous **intense blue** spark across the contacts when running. A very small white spark across the points when running is normal.

The condenser can be removed by undoing the screw securing it and releasing the lead from the terminal post.

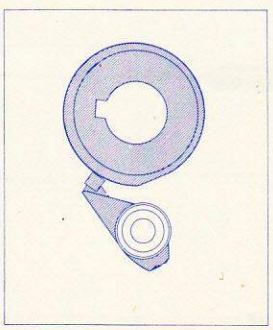
Contact breaker points

Adjustment. Turn engine over until points are fully open. See sketch.

Test with feeler gauge between "points". If the "points" require adjustment slacken the fixing screw and carefully move the fixed contact plate by means of a screwdriver until the correct gap is obtained. Tighten screw.

The breaker point setting should only be adjusted in the manner described and **at no time should the breaker arm be bent to provide adjustment.**

If the contact points need replacing both the fixed and movable points must be replaced at the same time.



Replacement of ignition and lighting coils

First bend back coil retainer strip then release coil lead from contact breaker fixing post, then unsolder earth leads from lead clamp. Considerable force may be necessary to remove coil from core as a fibre wedge is used to ensure a tight fit and a varnish adherent is also used to secure the lighting coils.

Flywheel

This unit is robustly constructed and it is unlikely to develop any faults in normal use. A KEEPER RING IS NOT NECESSARY WHEN WITHDRAWING IT FROM THE STATOR PLATE.

Removal. Refer to B.S.A. Instruction Book.

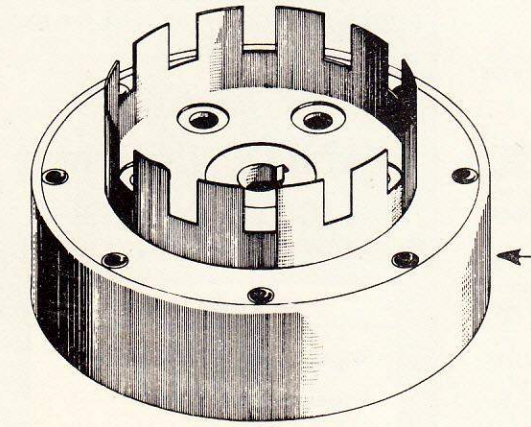
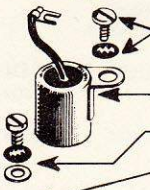
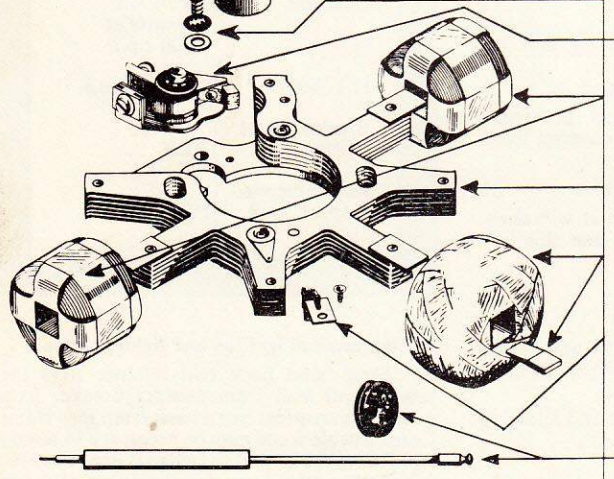
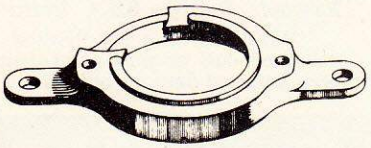
When replacing the flywheel make sure metalized dust or small steel items have not been attracted onto the magnets.

Ref.B.1501

Printed in England by the Wipac Group

IG 1501

SPARE PARTS LIST

PARTS IN EXPLODED VIEW	COMPONENTS	SETS	UNITS
			**S0266** Flywheel and Clutch Cup Unit
			**S0478** Breaker Cam
	S0052 Condenser Fixing Set	S0051 Condenser Set (includes S0052)	
	S0054 Contact Breaker Fixing Set	S0275 Contact Breaker Set	
	S0272 L.T. Coil Set	S0274 H.T. and L.T. Coils and Core Unit	**S0268** Stator Unit
	S0057 Core and Plate Assembly Set (includes S0055)		
	S0273 H.T. Coil Set		
	S0055 Grease Pad Set		
		S0271 L.T. Lead and Grommet Set	
			**S0480** H.T. Lead Wire ($16\frac{1}{2}$")
	S0270 Stator Fixing Set		
			**S0269** Back Plate Set (includes S0270)

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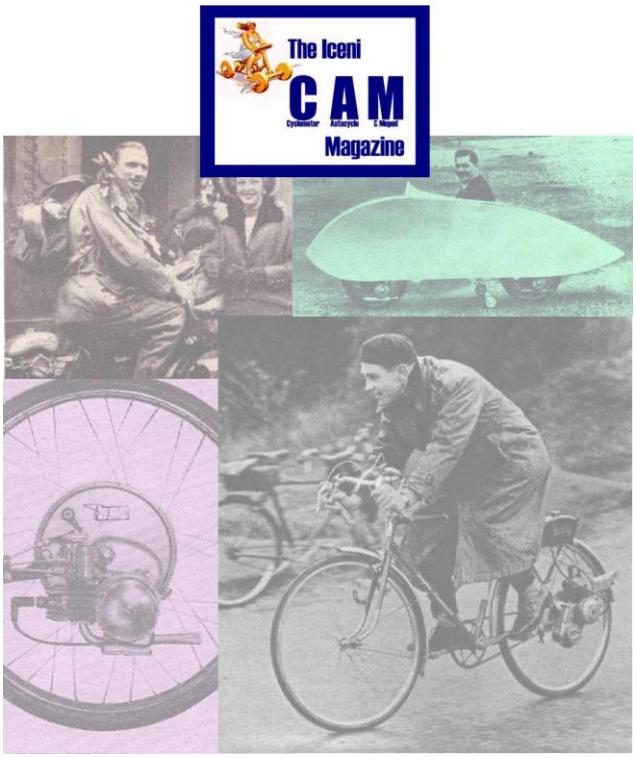

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