

350/352 HIGH ROAD · LEYTON · LONDON · E10 6QQ · ENGLAND


**01
539
8416**



**BRITISH CHAMPION
CHRIS PUSEY HOLDS ON TO A
SLENDER LEAD OVER GRAHAM
MILES — BOTH ON 500^{CC}
HAGON JAPS.**

SINCE 1956

23 NATIONAL CHAMPIONSHIPS

HAVE BEEN WON

ON HAGON MACHINES

ALF HAGON PRODUCTS

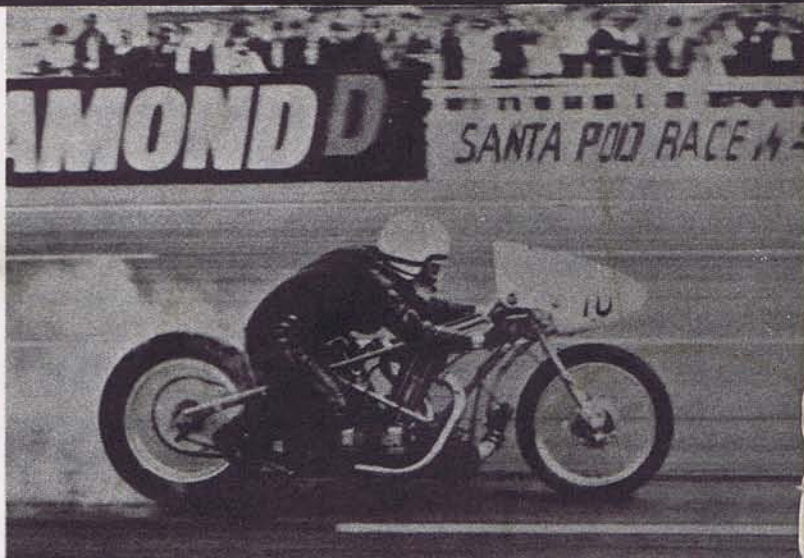
THE FAMOUS HAGON JAP 1260^{CC} DRAG BIKE

TESTBED FOR OUR EQUIPMENT WHICH HAS
PROVED THE QUALITY AND RELIABILITY OF
THE PRODUCTS THAT WE MAKE AND SELL.

OFFICIALLY TIMED AT 206 M.P.H.

*F.I.M. WORLD RECORD HOLDER FOR
THE STANDING START KILOMETRE, AND
THE WORLDS FASTEST STANDING START
¼ MILE — TIME 9.208 SPEED 157 M.P.H.*

**UNBEATEN FOR
THE LAST 22 MEETINGS**




**01
556
9200**

**9 am to 6 pm
MONDAY to SATURDAY
Lunch 1 - 2 pm**

**1971 CATALOGUE
25p**

Introduction

We want to know?

If you have any ideas or suggestions to help us to improve our products, please let us know.

Also, let us know if you have any complaints on our equipment or service. Your help will be appreciated.

This Catalogue is a guide to the parts and equipment that we sell. All our equipment and parts are tested thoroughly before we offer them for sale. All materials used are of the highest quality and are tested to an extremely high standard.

THIS IS YOUR SAFEGUARD!

ALF HAGON PRODUCTS

Are the recognised leaders in the field of grass track and drag racing featuring the most extensive range of products for these motor cycle sports.

ALF HAGON has contributed an enormous number of major achievements in the world of grass track and drag racing which has helped tremendously in the development and production of our equipment.

But, we are not content to sit on our laurels — And we will continue to explore and develop new products for the future.

Motor cycle enthusiasts — you can be assured that when you buy our products you get the very best in Quality, Performance, Reliability and Service. We are proud of our reputation for Value, Perfection and Honesty.

The nearest underground station is LEYTON which is on the Central Line. Turn right out of the station and we are approximately 400 yards along on the right hand side.

If by road — We are approximately 3 miles from the Blackwall Tunnel — or 2 miles from the North Circular A406.

Postal Spares Service

THE WORLDS BEST! GRASSTRACK, SPRINTING, SPEEDWAY

GOODS WEIGHING UP TO 22 LB. CAN BE SENT BY G.P.O. TO YOUR DOOR.
C.O.D. MAXIMUM IS £50 — BUT WE CAN SEND ANY AMOUNT OF SEPARATE PARCELS.
CHARGES AT G.P.O. RATE.
PARCELS OVER 22 LB. WEIGHT CAN BE SENT BY B.R.S.
B.R.S. ALSO DO A C.O.D. SERVICE.
CHARGES AT B.R.S. RATE

DO YOU ORDER BY PHONE?

If so, we can put you on our customers list, we will then give you a reference No. this will save you and us, time and money. EXAMPLE Hello, this is Mr. J. Bond Reference No. 007, I would like to order — etc.

CASH ON DELIVERY (BY RETURN POST) IS OUR SPECIALITY

SO! when ordering please state (A) Your name and postal address and code, (if any)
(B) Model — Year — Make and cc of machine (C) Catalogue reference, Size and Colour,
where applicable. Thank you.

EXPORT We can send goods to any part of the World — either by Post or Shipping Agents, by Sea or Air.

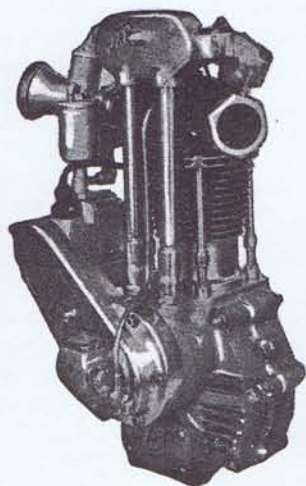
Items up to 22 lb. (10 Kilos) can be sent by Post. In many countries we can send goods C.O.D., but in some countries there is no C.O.D. Service available, in which case send CASH with ORDER, PLUS POSTAGE.

We can offer on Parcels over 22 lb. (10 Kilos) Complete Machines etc., is part C.O.D. i.e. Send only the money for the goods required and all Freight Charges are sent forward for you to pay on collection.

ALL PARTS are Plus Postage.

The Mighty JAP

POWER HOUSE 500 cc J.A.P. SPEEDWAY ENGINE (TYPE 4B)



Tuning Tips. by ALF HAGON

FITS AND CLEARANCES

MAGNETO IGNITION ADVANCE: 35° before TDC (15 : 1 Comp. ratio).

PISTON CLEARANCE: .006" at bottom of skirt on thrust faces (at right-angles to gudgeon pin).

PISTON RING GAP: .008" (minimum).

TAPPET CLEARANCE: .002" (engine warm).

MAGNETO CONTACT BREAKER POINTS: .012".

END FLOAT OF CON ROD BETWEEN FLYWHEELS: .010" to .020".

END FLOAT OF FLYWHEELS IN CRANKCASE: .010" to .020".

END FLOAT OF CAMWHEEL: .003".

END FLOAT OF CAM LEVERS: .003".

END FLOAT OF ROCKER LEVERS: .002".

STANDARD VALVE TIMING: (Camwheel Part No. 18989)

	opens	closes
Exhaust	65° before BDC.	34° after TDC.
Inlet	44° before TDC.	62° after BDC.

SPECIAL CAMWHEEL (Part No. 23154)

Exhaust	80° before BDC.	50° after TDC.
Inlet	60° before TDC.	80° after BDC.

Due to increased overlap on this Cam, care must be exercised to ensure that there is sufficient mechanical clearance between valve heads and piston crown.

It is not recommended that this Cam be used if the valve head diameters are greater than standard.

BORE: 80 mm.

STROKE: 99 mm.

CAPACITY: 497 cc.

COMPRESSION RATIO: 15 : 1

WEIGHT: Nett 58lb.; Magneto 4lb.; Carburettor 2lb.

CARBURETTOR: AMAL type 932. 12½" downdraft.

OIL PUMP: PILGRIM Duplex B.1.

SPARKING PLUG: LODGE R49, R50 or R51 (½" reach).

FUEL: METHANOL (Methyl Alcohol CH₃OH).

OIL: Castor Base ("R") ENGINE SPROCKETS 15T to 26T

A RACING JAP is an incredibly simple engine, and is no trouble to work on.

Both steel and dural con-rods are available for JAP engines. There is no preference.

When reassembling, the con rod should have a side float between the flywheels of .010" minimum. When the flywheels have had several crankpins fitted the tapers 'sink' causing the wheels to 'nip' the con rod and this is remedied by fitting an oversize crankpin, this oversize is in length between tapers (not diameter). There are two oversizes, Part No. 11453/1 (½" longer between tapers) and 11453/2 (¼" longer between tapers). The flywheel assembly must be accurately trued between centres after assembly and the crankpin nuts properly tightened.

Like the crankpin, bearing housings are also available in oversizes and when refitting, after replacement, thrust washers should be fitted to provide the flywheel assembly with an end-float of 10 to 20 thou.

Both the crankpin and timing-side mainshaft rely entirely upon their tapers for alignment in the flywheels. Make sure that the mating oil-holes align during fitting. The driveside mainshaft is tapered and keyed.

Both valve and ignition timing on JAP engines is critical. Always use a degree timing disc with a dial gauge to note valve movement.

Before timing the cam, pinion backlash MUST be determined and should be 1°. For this purpose Timing Pinnions, — 6 Std + 6 + 10 are available.

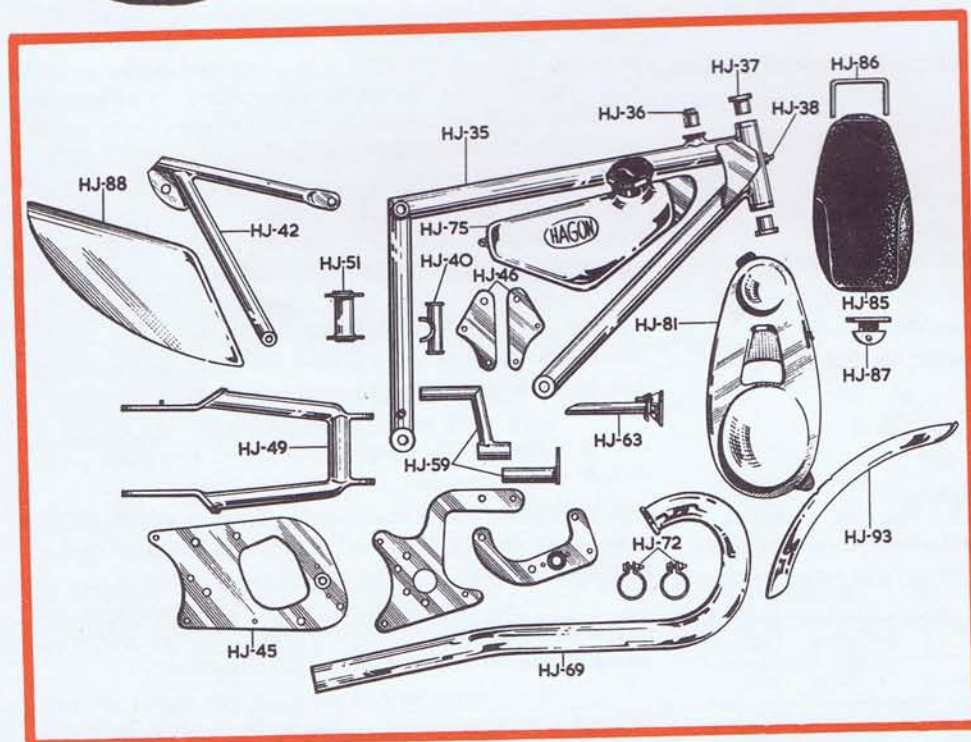
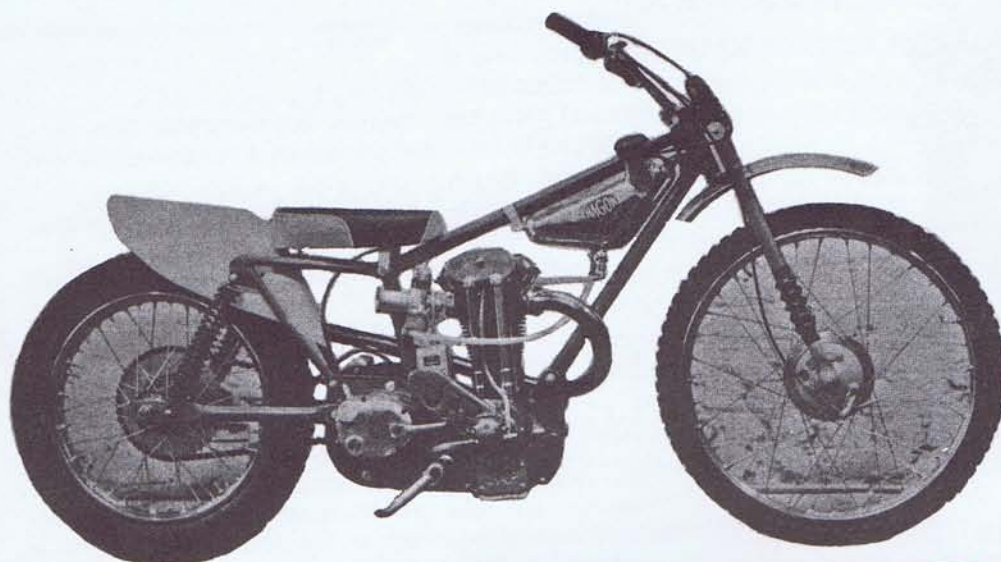
Reface the valves and valve seats every time the engine is dismantled. This is the secret of the JAP — no power should be lost through bad valve seatings.

When assembling, always fit the push-rods first without the cover tubes. Then spin the rods to check that they are straight.

OIL PUMP

Actually two pumps, one supplies the big-end via the oil tube and this is the one furthest away from the engine, controlled by the front adjuster and it should always be set to give the maximum flow. The inner pump, controlled by the rearward facing adjuster supplies the rocker box this should be adjusted to supply a small quantity (one drop every five seconds when ticking over).

Hagon-Jap



SPECIFICATION

Hagon Jap grass-track machines, well-known the world over, have been developed for this very popular sport in our well-equipped, modern works in London.

Built from aircraft tubing, Jig built to ensure accuracy and interchangeability of replacement parts. Hagon Jap machines are suitable for 350 and 500 c.c. Jap engines. Machines can also be adapted to accommodate ESO, AMC, Gold Star and Triumph Twin engines into Hagon frames.

Weight (with fuel and oils) 215 lbs.

Wheel base 57".

Head angle 69°.

Ground clearance 5".

Saddle Height 29"

Chrome 5-pint fuel tank.

Oil in main frame.

Blue stoved enamel finish.

Albion or AMC Gearbox

Optional extras

Alloy rims, 23" front wheels steel or alloy, various types of tyres. Fibre glass front mud-guard, speedway air cleaner, long seat, dirt shield.

Complete 500 or 350 Machine (Less Engine) £175.00
Complete ESO 500 or G/T Machine (Less Engine) £180.00

Special Frame Assemblies

HAGON ESO

HAGON Triumph Twin

HAGON BSA Goldstar

HAGON AJS

G/T Frame Assembly

G/T Frame Assembly

G/T Frame Assembly

G/T Frame Assembly

Disc Rear Brake (Extra)

£50.00

£50.00

£50.00

£50.00

£15.00

FRAME ASSEMBLY

Oil Tank in Frame,
(Diamond, Sub Frame,
Nuts and Bolts)
Dural Plates, Girling Legs
Pivot, Swinging Arm.
£46.00

Part No.	Description	Quantity	Prices Each	Part No.	Description	Quantity	Prices Each
HJ-35	Main diamond frame (with bushes and filler	1	£14.00	HJ-67	Chain case fixing nut and washer	1	.08
HJ-36	Frame oil tank filler plug	1	£ .40	HJ-68	Rear brake assembly, complete	1	£2.40
HJ-37	Steering head bushes	2	.50	HJ-69	Exhaust pipe — cross over type	1	£4.50
HJ-38	Steering head grease nipple	1	.05	HJ-70	Exhaust pipe bracket front	1	.50
HJ-39	Frame to engine plate nut and bolt (rear)	1	.20	HJ-71	Exhaust pipe bracket rear	1	.50
HJ-40	Diamond loose lug	1	£1.00	HJ-72	Exhaust pipe clip	2	.20
HJ-41	Loose lug nut and bolt	1	.20	HJ-73	Oil pipe	1	.60
HJ-42	Sub frame	1	£7.50	HJ-74	Fuel pipe	2	.60
HJ-43	Sub frame top fixing nut and bolt	1	.20	HJ-75	Tank with cap and bushes	1	£6.50
HJ-44	Sub frame bottom fixing nut and bolt	1	.20	HJ-76	Tank cap	1	.25
HJ-45	Engine plates rear (Albion) 3 off	3	£8.00	HJ-77	Tank strap and bolt	1	.65
HJ-46	Engine plate front	2	.75	HJ-78	Tank front mounting lock nut and bolt	1	.15
HJ-47	Front Engine Plate nut and bolt	1	.20	HJ-79	Tank taps with filter	2	.65
HJ-48	Girling legs, less covers	pair — 2	£8.80	HJ-80	Tank tap washers	2	.01
HJ-49	Swinging arm	1	£8.00	HJ-81	Chain guard	1	£2.75
HJ-50	Rear units fixing bolt, spacer and nut	2	.40	HJ-82	Chain guard front fixing bracket	1	.40
HJ-51	Swinging arm pivot with brushes	1	£3.00	HJ-83	Chain guard rear spacer with nut and bolt	1	.60
HJ-52	Swinging arm bushes	2	.70	HJ-84	Handlebars 7/8"	1	£2.25
HJ-53	Swinging arm pivot nut, bolt and washer	1	.40	HJ-85(A)	Seat (short) B (long £4.50)	1	£3.50
HJ-54	Swinging arm pivot spacers	2	.15	HJ-86	Seat bracket, front	1	.70
HJ-55	Swinging arm pivot nuts and bolts (4)	4	.20	HJ-87	Seat bracket, rear	1	.90
HJ-58	Gear Box fixing nuts and bolts	2	.20	HJ-88	Rear guard	1	£2.75
HJ-59	Footrest offside swinging, complete	1	£2.90	HJ-89	Rear guard 3/8", nut and bolt	2	.15
HJ-60	Footrest offside swinging section only	1	£1.40	HJ-90	Rear guard 1/4", nut, bolt and washer	1	.15
HJ-61	Footrest offside hanger	1	£1.25	HJ-91	Rear guard spacers	2	.15
HJ-62	Footrest offside nut and bolt	1	.25	HJ-92	Rear guard washers	2	.02
HJ-63	Nearside footrest hinge, complete	1	£3.25	HJ-93(A)	Front alloy guard (fibre glass £1.00 (B))	1	.60
HJ-64	Nearside footrest hinge bracket only	1	£1.75	HJ-94	Front number plate complete	1	.90
HJ-65	Nearside footrest hinged	1	£1.35	HJ-95	Front number plate less clips black/yellow/ green or blue and white	1	
HJ-66	Nearside footrest hinged pivot nut and bolt	1	.15				

We reserve the right to vary specification and price.

**FRAME TUBING ALWAYS
AVAILABLE, MILD STEEL
AND T.45**

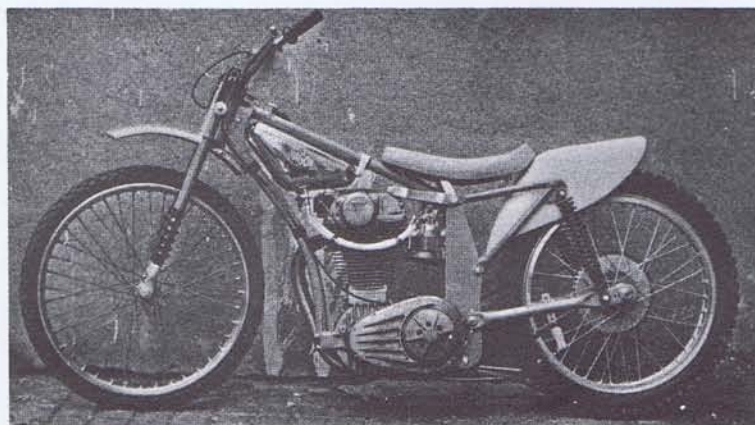
FRONT WHEEL CAMPAGNOLO 5 1/4" BRAKE 12mm K/O Spindle.

Complete Wheel	(Less Tyre and Tube) with 23" Alloy Rim	£22.00
" "	" " " " " 23" Steel Rim	£18.50
" "	" " " " " 21" Alloy Rim	£22.00
" "	" " " " " 21" Steel Rim	£18.50
Hub Complete	5 1/4" Powerful Full Width Alloy Hub K/O Spindle	£12.00

TRANSMISSION

ALBION	H. Type Gear Box Close Ratio with Clutch	£37.50
or	and Gear Lever	
A.M.C.	Late Type 4-speed with Clutch and Gear Lever	£35.00

SPECIALS We can make any special G/T or Sprinter to your requirements.
We have made many specials for people who insist on using the engine or frame layout of their choice —



Hedlund-Engined Hagon built for the Continental long track racing circuits.



The Hagon Showground Special. Short Wheelbase, 2-speed JAWA Gearbox.

Sandracer



HAGON JAP SAND RACER
LESS ENGINE, TRANSMISSION, BRAKES, £130.00



Don Godden Cornering at over 70 M.P.H. on route to winning the European Sandtrack Championship on his Hagon Sandracer.



YOUR OWN A.M.C. GEARBOX MODIFIED TO FIT, GRASS TRACK OR DRAG BIKE, MILL LUGS ON MAIN CASE, SUPPLY 2 ALLOY SPACERS, TOP FIXING TUBE SPACER, SHORTEN SLEEVE GEAR AND MAIN SHAFT, SUPPLY CLUTCH NUT SPACER.
(EXCHANGE SERVICE) PRICE: £8.50

THE HAGON SANDRACER. Undoubtedly the most successful track racing machine available to-day. THE SANDRACER was built for the long, fast Continental tracks, but is equally successful on the short Home Circuits.

The design of the SANDRACER enables the use of 19" or 22" rear wheels.

SPECIFICATION

WHEEL BASE. 54" to 56" depending on 19" or 22" rear wheel.

HEAD ANGLE. 69°. **Seat height** 29"

WHEELS. Alloy or Steel Rims, 23" Front, 19" or 22" Rear.

JAP or JAWA Engines. Hagon 3 Speed, Drott 2 Speed. JAWA 2 Speed. NORTON Split Top Lug or A.M.C. Gear Boxes can be fitted.

Frame Assembly, Diamond, Sub frame, Dural Engine Plates, Pivot, Swinging Arm, Girling Units, Nuts and bolts etc. Blue stove enamel finish.

Part No.	PRICE:	£46.00
SR1 Diamond with oil filler plug		£13.50
SR2 Sub Frame		£7.50
SR3 Swinging Arm 17mm long or short		£8.00
SR4 Pivot with Bushes		£3.00
Most other parts as Std. Hagon. When ordering always state Sandracer.		

TRANSMISSION

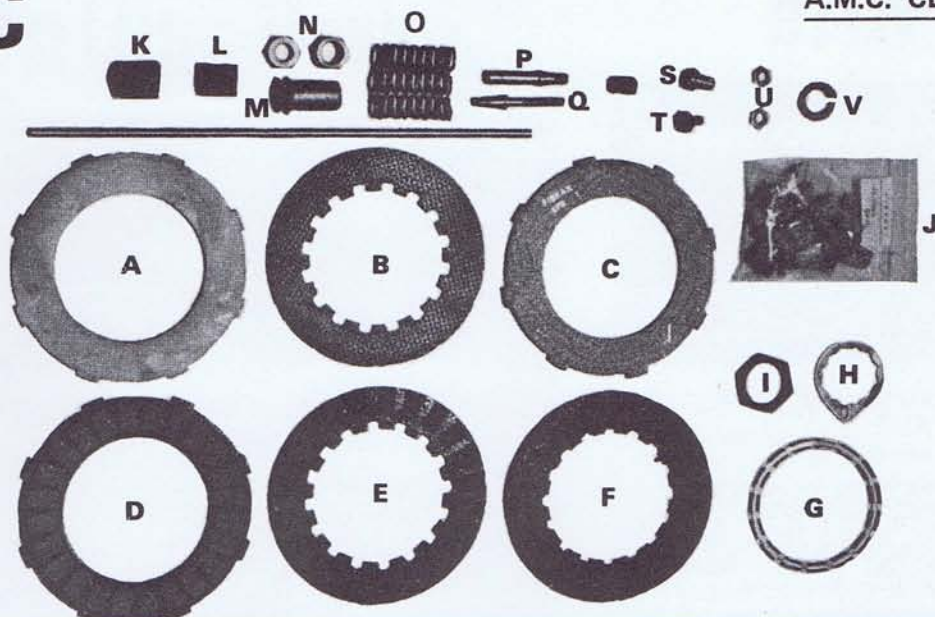
A.M.C. Gearbox/Engine Plate Assembly for Sandracer or Standard Hagon, consisting of:

Engine Plates rear	£8.00
Pivot	£3.00
Pivot Screws (4 off)	.20
Gear Box Bolts (2 off)	.20
Gear Box Spacers (2 off)	.40
Gear Box Top Tube Spacer	.20
Gear Box Adjuster Cam	.35
Clutch Nut Spacer	.10
Completely Reconditioned Gear Box and Clutch with Gear Lever and 14T or 16T Final Drive Sprocket	£35.00
The Complete Assembly as shown better than new but at half the price (Complete)	£45.00

IMPORTANT! CABLE END FLOAT IS NOT PUSHROD END FLOAT, CHECK CLUTCH PUSHROD ARM FOR CLEARANCE.

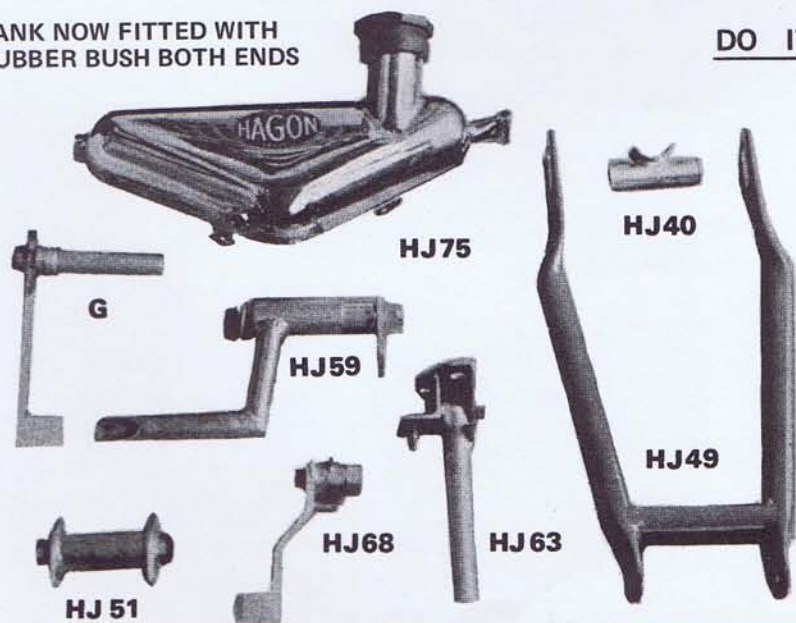
PARTS

14T and 16T $\frac{5}{8}$ " x $\frac{1}{4}$ " Sprockets	Ea.	£2.40
Small Bearing		£1.50
Large Bearing		£2.50
Inner Gasket		.10
Outer Gasket		.10
Gear Lever		£1.75
Thick Wire Spring		.20
Thin Wire Spring		.15



A	Steel plate dimpled each	.75	K	Clutch rubber large each	.10	W	Alloy pressure plate	£1.50
B	Steel plate each	.60	L	Clutch rubber small each	.10	W1	Steel pressure plate	£1.00
C	Solid fibre each	£1.30	M	Clutch spring cups each	.18	X	Clutch hub — Splined	£4.50
D	Bonded plate each	£1.10	N	Main shaft nut each	.15	X1	Clutch rollers each	.05
E	Bonded plate each	£1.10	N1	Clutch adjuster lock nut	.15	Y	Clutch spider each	£4.50
F	Solid fibre plate	£1.30	O	Extra strong springs	.10	Z	Recon. clutches from	£16.00
G	Clutch cage	.60	P	Clutch stud	.40	<u>EXCHANGE SERVICE</u>		
H	Sprocket nut lock washer	.17	Q	Clutch stud	.40			
I	Sprocket nut	.25	R	Clutch. Push rods (7/32")	.16	Chain Wheel		£1.75
J	Thick inserts for chain wheel	£1.00	S	Spring adjuster "	.20	Clutch plates		.75
Bonded back plate		£2.00	T	Spring Adjuster "	.15	Bonded back plate		£1.00
Steel back plate		£1.50	S1	Clutch Adjuster	.20			
Centre race		£2.00	U	Clutch stud nuts each	.07			
			V	Mainshaft washer each	.08			

TANK NOW FITTED WITH RUBBER BUSH BOTH ENDS

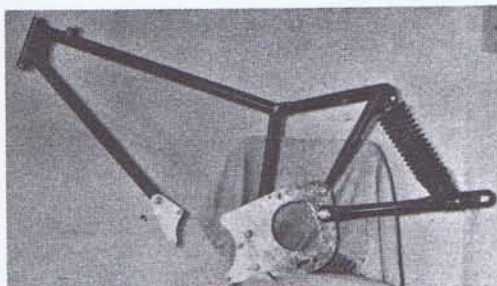


DO IT YOURSELF FRAME BUILDERS

HJ51. Pivot with Bushes —	
Long — Short — Sandracer	£3.00
HJ68. Footbrake Assembly	£2.40
HJ63. L.H. Footrest Std., or Sandracer	£3.25
HJ49. Swinging arm. ½—17 mm. ¾" Slot. Long 22" or Short 19"	£8.00
HJ40. Loose Lug	£1.00
HJ75. 5-pint Chrome Fuel Tank	£6.50
G Front Mounted Footrest with Footbrake	£3.00
HJ59. R.H. Swinging Footrest	£2.50

Many of you enjoy building and making your own bikes but sometimes there are parts which you cannot make. So let us supply it — from the smallest nut and bolt to a COMPLETE BIKE — we can help.

Frame Kits



STANDARD HAGON FRAME ASSEMBLY (As shown)

Diamond, Sub-frame, Swinging arm, Engine Plates, Pivot, Loose Lug, Head Bushes, Girling Units, High tensile bolts, Cad. plated — Stove enamelled Blue, Gear Box, Engine Plates to suit most gear boxes & engines.

Price £46.00



HAGON SANDRACER KIT (As shown but not assembled)

Diamond, Sub-frame, Swinging arm, Engine Plates, Pivot, Girling Units, High tensile bolts, Cad. plated, Stove enamelled Blue, Fibreglass rear guard, Seat and Brackets, Tank, Tank Strap & Bolts 2 taps, Forks Head bolt & Spindle etc.

Price £80.00



STANDARD HAGON COMPLETE (less engine)

With Albion or A.M.C. Gearbox

Price (as shown) £175.00

To suit JAP or JAWA Engines and A.J.S. A.M.C. Albion, Drott, W.D. & ESO Gearboxes — It takes only approximately one hour to fit engine & cables etc. and you are ready to race. Price includes Cables, chains, chain case, footrest, exhaust pipe, etc.

As above for JAWA or A.M.C. engines
£5 extra

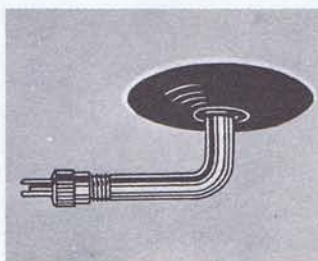
DISC REAR BRAKE £15.00 EXTRA

Convert your standard Hagon, to Sandracer specification, using your 19" wheel and short swinging arm,

Parts required

SR1	Diamond	£13.50
SR2	Sub Frame	£ 7.50
SR4	Pivot	£ 3.00
Engine Plates (State engine and gear-box)		£ 8.00
S/R Conversion Kit		£32.00

TYRES			PRICES
DUNLOP	350 x 19" REAR		£6.50
	275 x 21" FRONT		£4.50
	TUBES — 19" or 21"		£1.25
BARUM	350 x 19" REAR		£6.50
	275 x 22" REAR		£7.50
	275 x 23" FRONT		£6.00
BARUM TUBES all sizes			£2.00
CONTINENTAL			
	300 x 19" GS6 REAR		£6.25
	350 x 19" GS6 REAR		£6.75

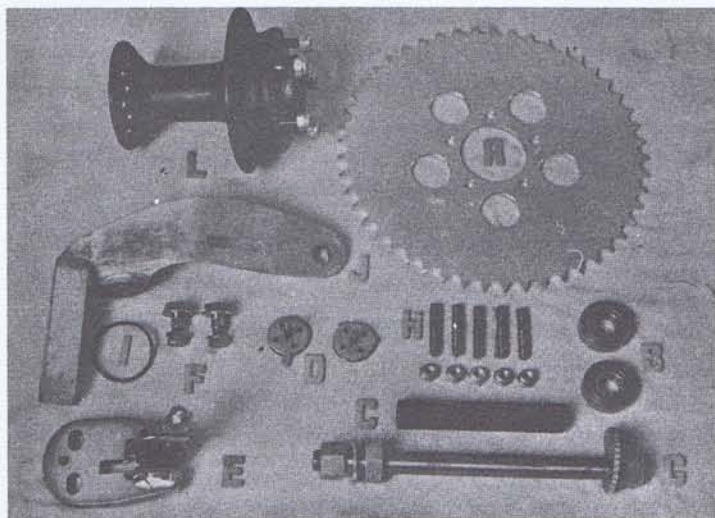


RUBBER BASE VALVE — 90° SINGLE BENT
OFFSET VALVE PRICE .40

DURAL SHEET HIGH TENSILE

1/16"	per sq. foot	£.065
1/8"	per sq. foot	£1.25
3/16"	per sq. foot	£1.75
1/4"	per sq. foot	£2.25
5/16"	per sq. foot	£2.75
3/8"	per sq. foot	£3.25

Hagon Disc Brake



A	Steel sprockets	each	£4.25
B	17mm bearings	each	£1.40
C	Hardened distance piece		.80
D	Disc pads with screw & springs		£2.00
E	Deep calliper	each	£12.50
F	Calliper bolts	each	.50
G	17mm spindle assembly (as shown)		£1.90
H	5/16" BSF STUDS (nut 2 1/2" each)	each	.15
I	'O' Ring		.15
J	Calliper carrier		£5.00
K	Complete assembly (as shown)		£35.00
L	Magnesium hub		£13.00

NOTE Steel sprockets sizes for use with disc brake are 5/8" pitch 47T to 51T.
1/2" pitch 58.60.62.64.

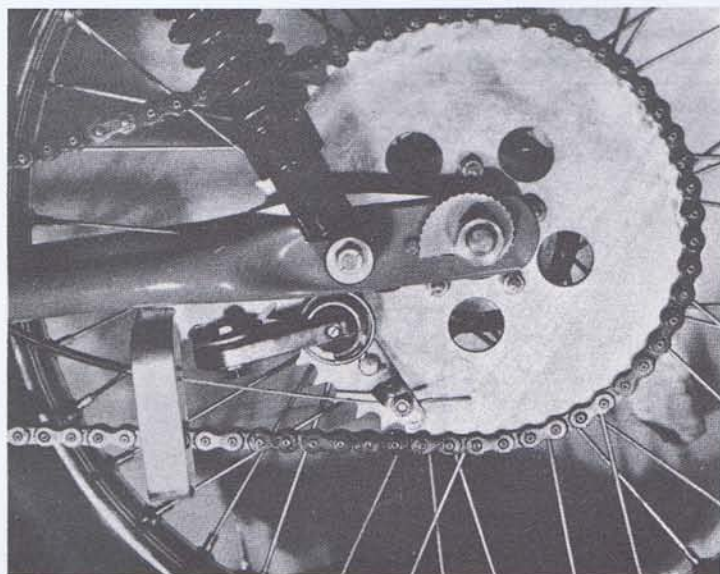
All sprockets lightened and Cad. plated

PLEASE STATE SIZE WHEN ORDERING ASSEMBLY KIT.

SPINDLE ASSEMBLY

Spindle only 17mm. steel		.70
Alloy 17mm. nuts	each	.20
Alloy spacer	each	.40
Snail cam - 17mm.		.35
Washers 17mm.		.08

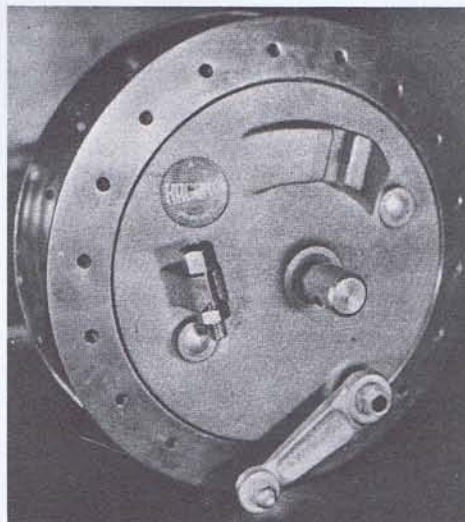
THE HAGON DISC BRAKE IS A NEW ADVANCEMENT IN THE GRASS TRACK & SPRINT WORLD - ULTRA LIGHT, YET STRONG, - Q/D, - HUB CAN BE USED WITHOUT THE CALLIPER, SEALED BEARINGS - NEED NO GREASING, CALLIPER IS DEEP THROATED TO ALLOW A SELECTION OF SPROCKETS TO BE USED IN 1/2" PITCH AND 5/8" PITCH THE DISC PADS ARE ADJUSTABLE AND EASY TO CHANGE



COMPLETE WHEELS WITH DISC BRAKE AND SPROCKET

1	19" or 22" Steel Rim Wheel	£41.00
2	19" Borrani Alloy Wheel	£44.00
3	22" Borrani Alloy Wheel	£45.00

HAGON FRONT HUB

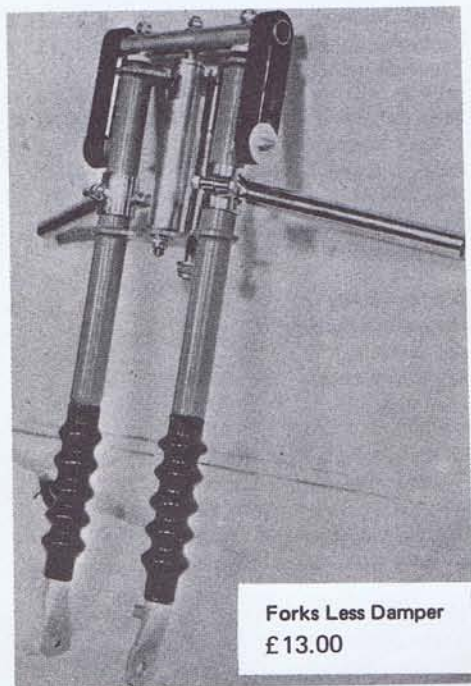


POWERFUL. 135mm CAMPAGNOLO HUB
Weight: 4 1/2 lb., 36 Hole: 12mm K.O. Spindle
Ideal for G.T. Sprint, Trials etc.

£12.00

Hagon Forks

HAGON HYDRAULIC FORKS



Lightweight with strength and perfect handling was the order when these forks were first designed some 11 years ago. That we were successful can be gauged by visiting any Grass Track Meeting in any country where it will be seen that the majority of riders use them. Not content to rest on our laurels development has continued and now a Drag racing version is available and has been tested in excess of 200 m.p.h.

STANDARD (with brake anchor pin) for Hagon Alloy Hub £17.50
Both include head bolt, spindle and damper. (less pin £17.00
and handlebar clamps

HAGON DRAGSTER Forks with 1 1/4" Chrome Split Clip ons with Brake Anchor (as shown) £18.00

HAGON DRAGSTER Forks tested in excess of 200 m.p.h. without Brake Anchor. Both include head bolt, spindle and damper. £17.50

WHEN FITTING FORKS TO FRAME, ENSURE SPINDLE BOLT IS TIGHT OTHERWISE HOLE IN FORK CROWNS WILL BECOME WORN. IN THE EVENT OF DAMAGE RETURN "H" PIECE AND BOTH INNER LEGS TO WORKS FOR REPAIR.

The hardened Head Spindle is available in sizes of Std = .867
and +1 = .874 +2 = .881

£1.00 each

GRASS TRACK VERSION

The famous Hagon forks are constructed from the best materials.
Overall length 28". Distance between crowns 6". Will accept up to 23" wheel.
Distance between fork blades 4 1/2".

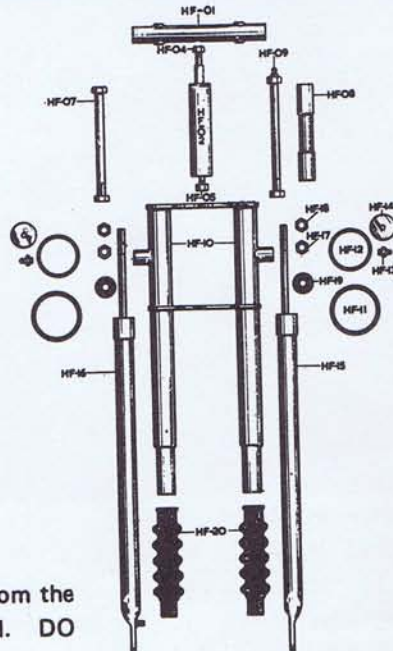
Movement 4". Weight 12 1/2 lbs.
Suspension by rubber and hydraulic damper. Lubrication by grease nipples.
Blue stoved enamel and Cad-plated fittings. Forks come complete with head spindle and bolt and handlebar

clamps and damper.

DRAGSTER VERSION

Basically the same as Grass Track only shorter and with chrome clip-ons. Weight 10 1/2 lbs.

Part No.	Description	Qty	Price
HF-Q1	Top piece	1	£1.00 ea.
HF-02	Damper unit complete	1	£4.00 ea.
HF-04	Damper top locking nut	1	.03
HF-05	Damper bottom nut	1	.03 ea.
HF-07	Head spindle nut and bolt; JAP	1	.50
HF-08	Head spindle drilled; and hardened	1	£1.00
HF-09	Head spindle nut, bolt and nipple	1	.90 ea.
HF-10	Main fork 'H' piece	1	£6.75
HF-11	Rubber bands outer (large)	2	.15
HF-12	Rubber bands inner (small)	2	.15 ea.
HF-13	Grease nipples	2	.08
HF-14	Grease nipple washers	2	.05 ea.
HF-15	Inner leg, plain	1	£2.50 ea.
HF-16	Inner leg with break anchor pin	1	£3.00
HF-17	Inner leg knurled nut	2	.25 ea.
HF-18	Inner leg locking nuts	2	.03 ea.
HF-19	Inner leg rubber buffers, top and bottom	4	.07 ea.
HF-20	Forked gaiters	2	.35 ea.
HF-25	New * Dural handlebar clamps non-slip complete set 7/8" or 1"		£1.20

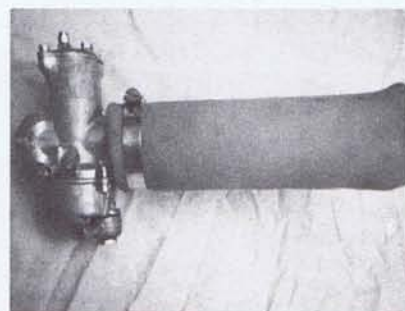


Maintenance

Before lubricating it is essential to remove rubber bands and bottom the forks, then apply 4 - 6 strokes of grease gun, containing engine oil. DO NOT USE GREASE.

Speedway

HAGON MAGNESIUM FRONT HUB		
A	Mag. Hub with bearings and centre spacer	£6.60
B	Bearings — Double Rubber Sealed — Need no lubrication each	£ .75
C	Dural Centre Spacer 12mm Bore	£1.30
D	Push-on dural spacers. Will not fall out when wheel is removed each	.40
E	12mm Spindle & Nut Hub Complete (As shown)	.50 £8.00



FOAMY FILTER

The latest in air filters, perforated 20G steel liner giving 50% free area, covered in foam sponge sheaf fits over 2" bell-mouth with hose clip. Price £1.60

Foam can be washed over and over again without impairing its filtration qualities. It can be cleaned by normal washing and ringing out, by reverse flushing with water or by cleaning with a vacuum. Hot water and detergent will readily remove entrapped particles (and oil, where this has been used to give additional efficiency). It can be wrung dry after washing and will be ready within minutes for continued use.

SPECIFICATION

The Hagon Magnesium Speedway Hub is made from die cast electron "C" and is heat treated, crack tested, and chromated. Spindle size 12mm 40 spoke holes. The sealed bearings are 15mm bore. The centre spacer locates inside the bearing enabling a larger spindle to be fitted by boring out the centre spacer.

(ALSO AVAILABLE WITH 1/2" SPINDLE)

HEAD CC	RATIO	COMPRESSION				RATIO				CHART 500 ^{CC}				HEAD CC	RATIO
30	18.0	35	15.2	40	13.4	45	12.0	50	10.9	55	10.0	60	9.1	65	8.2
31	17.3	36	14.7	41	13.0	46	11.8	51	10.8	56	9.9	61	8.9	66	8.3
32	16.5	37	14.5	42	12.8	47	11.5	52	10.6	57	9.8	62	8.7	67	8.4
33	16.0	38	14.2	43	12.5	48	11.3	53	10.4	58	9.6	63	8.5	68	8.5
34	15.7	39	13.7	44	12.3	49	11.1	54	10.2	59	9.4	64	8.4	69	8.4

GEAR RATIO CHART

42T CLUTCH		SPEEDWAY							
		REAR WHEEL SPROCKET							
A	B	56	57	58	59	60	61	62	
17	14	9.88	10.04	10.23	10.42	10.61	10.8	10.92	
18	14	9.30	9.50	9.67	9.83	10.00	10.20	10.32	
19	14	8.81	9.00	9.16	9.32	9.47	9.60	9.74	
20	14	8.39	8.55	8.70	8.85	9.00	9.14	9.30	
21	14	8.00	8.14	8.29	8.43	8.57	8.70	8.82	
22	14	7.62	7.77	7.91	8.05	8.18	8.30	8.48	
23	14	7.30	7.42	7.57	7.69	7.81	7.95	8.09	
17	15	9.23	9.39	9.56	9.71	9.89	10.04	10.22	
18	15	8.70	8.87	9.02	9.18	9.33	9.50	9.66	
19	15	8.28	8.40	8.55	8.69	8.84	9.00	9.15	
20	15	7.85	7.98	8.12	8.26	8.40	8.55	8.72	
21	15	7.48	7.60	7.73	7.88	8.00	8.13	8.30	
22	15	7.13	7.28	7.40	7.50	7.62	7.77	7.91	
23	15	6.82	6.95	7.08	7.20	7.30	7.42	7.58	
17	16	8.67	8.80	8.95	9.11	9.26	9.40	9.60	
18	16	8.18	8.31	8.46	8.60	8.75	8.89	9.15	
19	16	7.73	7.88	8.01	8.15	8.29	8.41	8.58	
20	16	7.38	7.49	7.62	7.75	7.90	8.01	8.18	
21	16	7.00	7.14	7.26	7.40	7.50	7.62	7.78	
22	16	6.70	6.80	6.93	7.05	7.16	7.29	7.42	
23	16	6.40	6.51	6.62	6.75	6.87	6.98	7.10	

GEAR CHART		44T CLUTCH							
		REAR WHEEL SPROCKET							
A	B	56	57	58	59	60	61	62	
17	14	10.39	10.57	10.71	10.94	11.11	11.3	11.40	
18	14	9.78	9.95	10.12	10.30	10.48	10.65	10.82	
19	14	9.28	9.42	9.61	9.78	9.97	10.12	10.28	
20	14	8.80	8.96	9.12	9.30	9.48	9.62	9.74	
21	14	8.38	8.52	8.68	8.82	8.97	9.12	9.28	
22	14	8.00	8.15	8.30	8.46	8.59	8.72	8.85	
23	14	7.65	7.80	7.94	8.08	8.21	8.35	8.48	
17	15	9.68	9.83	10.00	10.18	10.37	10.53	10.70	
18	15	9.13	9.30	9.47	9.62	9.79	9.95	10.12	
19	15	8.65	8.80	8.95	9.12	9.28	9.44	9.58	
20	15	8.22	8.37	8.52	8.67	8.81	8.96	9.10	
21	15	7.81	7.97	8.12	8.27	8.41	8.55	8.68	
22	15	7.48	7.61	7.74	7.88	8.01	8.15	8.28	
23	15	7.16	7.29	7.42	7.53	7.68	7.78	7.92	
17	16	9.05	9.22	9.39	9.55	9.71	9.88	10.04	
18	16	8.55	8.72	8.88	9.00	9.17	9.32	9.48	
19	16	8.10	8.25	8.40	8.55	8.70	8.84	8.98	
20	16	7.71	7.86	7.98	8.12	8.27	8.42	8.52	
21	16	7.25	7.48	7.60	7.72	7.86	8.00	8.12	
22	16	7.00	7.12	7.25	7.38	7.51	7.64	7.76	
23	16	6.70	6.81	6.94	7.07	7.19	7.32	7.42	

Column A = No. of teeth on Engine Sprocket

Column B = No. of teeth on Countershaft Sprocket

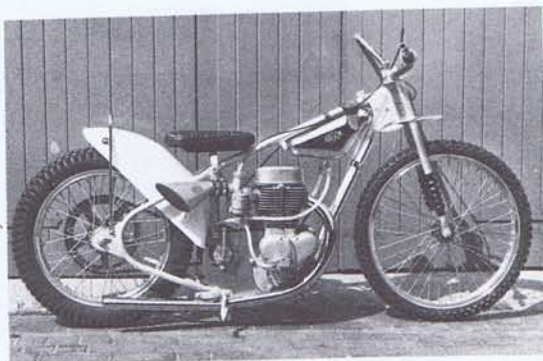
HAGON SPEEDWAY MACHINE

SPEEDWAY, THE LATEST BRANCH OF MOTOR CYCLE RACING TO BE COVERED BY US, AND ONLY ONE YEAR AFTER INTRODUCTION, HAGON FRAMES ARE SOUGHT AFTER THE WORLD OVER.

SPECIFICATION

Wheel Base	52"
Ground Clearance	4"
Weight	180lb
Saddle Height	28"
Fuel Capacity	5 pints
Oil Capacity	1 pints
Suitable for JAWA and JAP engines.	

All parts are jig built to ensure interchangeability of replacement parts.
Finished in HAGON blue, or hammer grey stove enamel or cadium plate.
23" front wheel and 19" rear wheel, chrome steel rims or alloy rims, magnesium hubs.

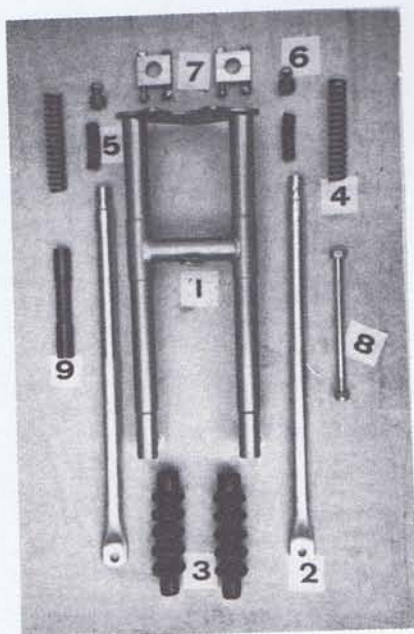


KEEP ON TOP
AT
THE HAGON SHOP

SPEEDWAY FORKS

SPECIFICATION

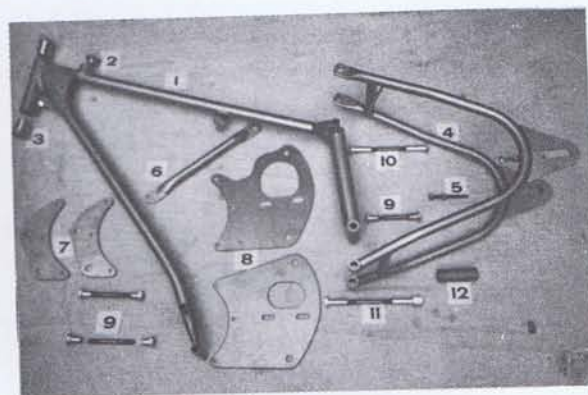
2" movement with rubber bump stops, internal springs two positions for handlebar fixing. 4 1/2" between fork blades. Stove enamel blue or hammer grey or Cadium plate, will fit any make of machine.



1	Fork H piece	Each	£8.00
2	Inner legs	Each	£3.00
3	Gaiters	Each	.35
4	Springs	Each	.50
5	Rubber bump stops	Each	.15
6	Spring top retainer and nut	Each	.50
7	Handle bar clamps 7/8" or 1"	Pair	£1.20
8	Head nut and bolt		.50
	Complete forks		£16.50
9	Hardened head spind (Extra)		£1.00
	STD = .867 +1 = .874 +2 = .881		

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SPEEDWAY FRAME



MOST PARTS INTERCHANGEABLE WITH JAWA

1	Frame Diamond with oil filler cap and head bushes		£17.00
2	Oil filler cap		.40
3	Head bushes HJ37	each	.50
	We can supply head bushes for JAWA forks		
4	Rear end with chain adjusters		£16.00
5	Chain adjusters nut and bolt	each	.20
6	Engine stay short-JAWA long-JAP grey only		2.00
7	Front engine plates JAWA or JAP (pair)		1.50
8	Rear engine plates JAWA or JAP (pair)		7.50
	JAP rear plates state JAWA or ROTRAX counter shaft		
9	Engine plate short sleeve nut and 4" stud (as photo)	each	1.40
	Also for rear top engine plate bolt		
10	Seat long sleeve nuts and 4" stud		1.40
11	Footrest sleeve nuts and 4 1/2" stud		
	(1) Long nut (1) Long nut with thick head		.80
12	Footrest bolt spacer	each	.50
	Sleeve nuts	each	.40
	Sleeve nut studs		£50.00
	FRAME KIT COMPLETE (AS PHOTO)		

FRAME AND FORKS

£65.00



SPEEDWAY



SPEEDWAY MACHINE £150.00
(complete as shown)
with chain, cables, exhaust pipe and clips £161.50

SPEEDWAY COMPONENT LIST

FRAME & FORKS	£65.00	FOOTREST	£ 2.50
BARS 7/8" T45	£ 2.25	REAR WHEEL	£19.50
Q/A TWISTGRIP	£ 1.00	(Mag Hub & Steel Rim)	
CLUTCH LEVER 7/8"	.80	REAR SPINDLE	
ALLOY FRONT GUARD	.60	ASSEMBLY	£ 2.00
FRONT WHEEL 23"	£14.00	DURAL SPROCKET	
(Mag Hub. Steel Rim)		(35T to 62T)	£ 4.25
23" FRONT BARUM		19" DUNLOP OR	
TYRE	£ 6.00	BARUM TYRE	£ 6.50
23" FRONT BARUM		BARUM TUBE (OFFSET	
TUBES	£ 2.00	VALVE)	£ 2.00
ALLOY DIRT SHIELD		AS PHOTO £150.00	
WITH CLIPS	£ 2.00		
CHROME FUEL TANK	£ 6.50	EXHAUST PIPE	£ 4.50
2 FUEL TAPS	£ 1.30	2 EXHAUST BRACKETS	£ 1.00
3 OIL & FUEL PIPES	£ 1.80	REAR CHAIN	£ 4.80
SHORT SEAT &		NYLON CABLES	
BRACKETS	£ 6.60	(Clutch & Throttle)	£ 1.20
REAR GUARD (FIBRE-		AS PHOTO, PLUS THE ABOVE	
GLASS	£ 2.75	PARTS	£161.50
CHROME LIFTING			
HANDLE	£ 1.50		



Long Speedway seat
20" long 6" wide Black £6.25
Brackets fit Hagon or Jawa
Front .50
Centre £1.25
rear .50



Short Black Speedway Seat
Strong alloy base £4.00
Front Bracket £1.60
Rear Bracket £1.00
FITS HAGON OR JAWA



Speedway Foot Rest
2 Bolt Fixing £2.50



Alloy Dirt Shield
with 2 Clip Fixing £2.00
Speedway Alloy
Front Mudguards walled
edge .60
Rolled edge each .60

SPEEDWAY BIKE COVER
Extra strong waterproof
canvas, two strap fixing
Yellow, Green, Blue £5.00



**S.E.M. MAGNETO CONVERSION
FOR JAWA ENGINE**
Complete as shown £33.00
S.E.M Magneto Machined and
modified £27.00
Alloy spacer ring £1.70
Angled clamp £2.30
Draw bolt £1.50

**RUBBER MOUNTED, 5 PINT
CHROME FUEL TANK.**
Complete with cap and Rubber
bushes both ends £6.50
Rubber Tank cap .25
Rubber mounting bushes .10 each
Steel bush liner .10 each
Fuel tape with filter .65 each
Fuel tape fibre washer .01 each



**AMAL 36mm CARB
CONVERSION FOR
JAWA ENGINE (AS SHOWN)
£16.00**
Consisting of, 36mm concentric £12.00
alloy adaptor for air cleaner £2.50
alloy carb spacer 8mm studs
and nuts £1.50
also available 34mm and 38mm
concentrics

SPARE PARTS LIST

500 cc. J.A.P. SPEEDWAY RACING

4 Stud Engine (Type 4B)

Part No.	No. Off	Description	Price Each	Part No.	No. Off	Description	Price Each
18987/4	1	Cylinder Head c/w Guides & Inlet Pipe	£23.50	10064	1	Crankcase Clamping Bolt & Nut rear	.06
13980	1	Valve Guide Inlet (OS .003 & .005 £1.05)	.95	18835	1	T/Side Liner STD (O/S .003 & .005 £2.10 each)	£2.00
13981/2	1	Valve Guide Exhaust	.95				
11416/2	1	Inlet Pipe 1½" O.D.	.50	10970	1	Recess Washer	.13
11411/1	1	Inlet Pipe Lock Nut	.35	11280/2	1	D/Side Liner STD (O/S .003 & .005 £3.60 each)	£3.50
7448	1	Exhaust Union Nut	£1.05				
18947	1	Valve Inlet	£2.60	18834	2	Liner Retaining Screws	.13
21871	1	Valve Exhaust	£2.60	6374	4	Vacuum Valve Grating	.07
13896	2	Mica Washer	.05	4085	4	Vacuum Valve Disc	.02
13895	2	Valve Collar Guide End	.20	1189	1	Camwheel Bush Crankcases STD (O/S +3 +5 .75)	.65
18955SC)							
18956SC)	2	Valve Springs (set of 4) Long Life	£1.05	8746	1	Cam Lever Pivot Pin	.30
8787	2	Valve Collar Cone End	.48	10106	1	Drain Plug	.10
8238	2	Valve Cone	.25	12299	1	Oil Trough	.65
8239	2	Valve Spring Ring	.01	5250A	4	Oil Trough Allen Screw	.05
6703	2	Valve End Cap	.13	6616	1	Oil Box Cover	.44
11896	1	Cylinder Head Washer	.33	16679	1	Timing Spindle Key	.03
12807/1)				10999	1	Driving Spindle	£1.80
12808)	1	Rocker Box & Cover	£11.80	4627	1	Driving Spindle Nut Flywheel	.18
12569/1)				16668	2	Driving Spindle Key	.03
9675	2	Rocker Box Bolt	.20	11453	1	Crankpin STD +1/32 and +1/16 length	£1.95
9682	2	" " " Washer	.01	11454	2	Crankpin Nut	.18
11907	1	" " " Oil Collector	.20	8822/1	1	Big End Cage	£1.80
6418	1	" " " " Screw	.02	6245	10	Big End Roller	.05
9214/1	1	" " " Cover Fixing Stud	.06	SSA51	1	Con Rod c/w Liner & S/E Bush Alloy	£10.65
6340	1	" " " Cap Nut	.15	12192	1	Con Rod Liner STD (OS .002 & .003 £2.30 each)	£2.20
18799	4	" " " Clamp Screw	.06				
14584	1	" " " Oil Union Centre Piece	.23	8605	1	S/E Bush	.70
11961	2	" " " Oil Union Washer 7/16	.03	10997	2	Mainshaft Cage	£1.80
11961/1	2	" " " Oil Union Washer 25/64	.03	18450	20	Mainshaft Roller	.06
14585	2	" " " Oil Union Banjo Nut	.10	12332	2	Thrust Washer Various Thicknesses	.10
SA3590	1	Valve Stem Oil Pipe Inlet	.30	14132			
SA3591	1	" " " " Exhaust	.30	13678/1	1pr.	Crankcases T/Side and D/Side c/w Fixed Fittings	£51.00
12233	2	" " " " Union	.20				
12234	2	" " " " Union Nut	.07	13678/1	1	D/Side only C/w Liner (not machined on top face)	£18.65
11007	1	Rocker Lever Inlet	£3.50				
11008	1	" " " Exhaust	£3.50	10881	4	Crankcase bolt & Nut 3/8"	.09
9696	2	" " " Distance Piece	.27	10883	2	Crankcase bolt & Nut 5/16" Eng. Boltd.	.08
9677	4	" " " Washer	.10	12579	1	Crankcase Clamping Bolt & Nut front	.06
9733	88	" " " Roller (set of 88)	£1.25	6628	1	Oil Box Cover Washer	.05
9679	2	" " " Locating Washer	.01	4106	4	Oil Box Cover Screw	.03
9676	4	" " " Bearing Liner	.45	6293/1	4	Timing Cover Fixing Stud	.07
11518	2	" " " Adjuster	.25	3574	4	Timing Cover Fixing Stud Nut	.03
7386/2	2	" " " Adjuster Nut	.04	9650A	2	Timing Cover Allen Screw	.07
12801)				SA2703	4	Cylinder Bolt	£1.50
12798)	1	Valve Spring Cover Inlet	£2.25	14253	4	Pad for Cylinder Bolt Hole	.07
12802)				10037/1	2	Push Rod Tube Adaptor (New Type)	.60
12799)	1	Valve Spring Cover Exhaust	£2.25	18988/1	2	Push Rod Cover Tube	.50
12803	2	Valve Spring Cover Cup	.34	10038/2	2	Push Rod Cover Tube Oil Seal (New Type)	.14
18799	4	Valve Spring Cover Screw	.06	11574	2	Push Rod	.50
3689A	2	Valve Spring Cover Fixing Screw	.06	10518	2	Push Rod End Top	.45
14430	2	Flywheel	£12.87	18990	2	Push Rod End Bottom	.45
14131	1	Timing Spindle	£2.30	8717	1	Timing Pinion -15, -10, -6, STD. +6, +10	£1.10
8786	1	Timing Spindle Nut Flywheel L.H.	.18	23154	1	Camwheel	£6.95
6804	1	Timing Spindle Nut Pinion L.H.	.12	3729	1	Camwheel Nut	.12

Part No.	No. Off	Description	Price Each	Part No.	No. Off	Description	Price Each
12800	2	Camlever complete	£3.45	12312	1	Valve Exhaust	£2.60
12797	2	Camlever Roller	.50	8238/1	1	Valve Cone Inlet 5/16"	.25
12795	2	Camlever Roller Pin	.25	10536	1	Valve Spring Ring Inlet 5/16"	.01
12794	2	Camlever Roller Bush	.20	7226	1	Valve End Cap Inlet 5/16"	.13
8801	1	Camlever Distance Piece	.09	11594	1	Cylinder Head Washer	.33
8624	1	Oil Tube	.25	14018/2	2	Flywheel	£12.87
8625	1	Oil Tube Spring	.09	SA2704	4	Cylinder Bolt	£1.50
11038	1	Oil Tube Washer	.01	9484/1	1	Camwheel	£6.95
14281)				19692	1	Cylinder Barrel	£11.25
11348)	1	Magneto Drive and Cover	£14.50	18202	1	Piston complete 74mm	£6.25
8944	3	Magneto Drive Cover Screw	.05		2	Piston Ring	.34
10138	1	Magneto Drive Oil Seal	.02		1	Gudgeon Pin	£1.25
8749	1	Camwheel Bush Mag Drive STD (O/S +3 +5, £1.00).	.90	R930/14	1	Carburettor complete 30mm Carb. Clamp Adaptor 1.3/8"	£8.50
14586	1	Mag Platform Support	.78		1		£2.00
10341	1	Mag Platform Support Bolt	.04	1948 5 STUD ENGINE (with long con rod)			
B1	1	Oil Pump complete	£12.00	Following parts available only:—			
SA2655	1	Oil Pipe (Pump to Rocker Box)	.50	12287	1	Cylinder Barrel (long 5 stud)	£11.25
18273	1	Oil Pump Fixing Screw Long	.10	11330	1	Valve Inlet	£1.60
18274	1	Oil Pump Fixing Screw Short	.10	14329	1	Con Rod c/w Liner & S.E. Bush	£11.44
B2	1	Oil Pump Driving Thimble	.30	10737	2	Push Rod	.50
SEM	1	Magneto (S.E.M.)	£21.50	9484/1	1	Camwheel	£6.95
4103/1	4	Magneto Fixing Screw OBA	.04	JAP MISCELLANEOUS			
18866	1	Mag Felt Washer Thin	.10	SSA52	1	Steel Con Rod (short only)	£14.13
12257	1	Camwheel Sprocket	£1.00	8820	1	Liner for steel Con Rod (OS +3, +5 £2.30)	£2.20
13973	1	Magneto Sprocket	£1.00	18955)			
19301	1	Magneto Chain	.82	18956)	2	Valve Springs (Terrys)	.63
12238/1	1	Cylinder Barrel	£11.25	9211	2	Push Rod Tube Inner Sleeve	.40
11577	1	Piston Complete	£11.25	12800R	2	Camlever complete (needle roller type)	£3.44
	2	Piston Ring	.34	12797R	2	Camlever Roller	.49
	1	Gudgeon Pin	£1.25	12795R	2	Camlever Roller Pin (needle roller type)	.22
	1	Mahle Pistons STD +10, +20, +40	£9.50	12796	26	Needle Roller (set of 26)	.26
	1	Omega Piston + 30	£11.20	18989	1	Camwheel (4 stud engine)	£6.95
	2	Gudgeon Pin Circlip	.10	19392		Cylinder Bolt Insert	.25
11004	1	Compression Plate 1/16, 1/32, or 1/64"	.20	17649	2	Hairpin Spring Collar	.27
12636	1	Engine Sprocket Adaptor Body	£1.70		1	Timing Disc	.60
12635	1	Engine Sprocket 15T to 20T 21T to 26T	£1.70	16086G	1	Engine Sprocket Spanner (Hex. Nut)	.31
			£1.90	12638	1	Engine Sprocket Nut (Hex. Type)	.44
12638/1	1	Sprocket Nut	.50	10038/1	2	Push Rod Tube Packing Ring (old type)	.06
S12638/1	1	Sprocket Nut Circlip	.10	10037	2	Push Rod Tube Adaptor (old type)	.38
18866	1	Felt Washer Thick	.10		1	Sparking Plug Lodge R49, R50 or R51	£1.25
12778 A & B	1	Engine Sprocket Body Withdrawer	.70			Exhaust Pipe Copper Washer	.20
7351	1	Rocket Adjuster Spanner	.10			Camshaft Bush — Needle Roller Conversion	£1.50
14967	1	Plug Spanner	.25			Oversize Valve Guides (Bronze)	£1.05
16068/1	1	Engine Sprocket Nut Spanner	.31			Dural Push Rods (pair)	£1.25
	1	Allen Key	.07			Cast Iron Inlet Valve Guides (350 & 500)	.50
	1	Manual	.13			Alpha Big End Assembly complete contains crankpin, rollers, cage, nuts con rod liner.	£6.50
	1	Sparking Plug NGK.B-9HN / B10 HN or Lodge R49/50	£1.25			Sizes — Standard, +1, +2, for alloy rod or steel rod — Please state size and for steel or alloy.	
R90	1	Waterproof Cover	.25				
R932/4	1	Carburettor Complete 32mm	£8.50				
	1	Carb. Clamp Adaptor 1 1/2"	£2.00				
For 350cc Grass Track 4 Stud Engine substitute the following:—							
19700	1	Cylinder Head c/w Guides & Inlet Pipe	£23.50				
14092	1	Valve Guide Inlet 5/16"	.90				
11416	1	Inlet Pipe 1.3/8" O.D.	.50				
11511	1	Inlet Pipe Locknut	.35				
12311	1	Valve Inlet	£2.60				

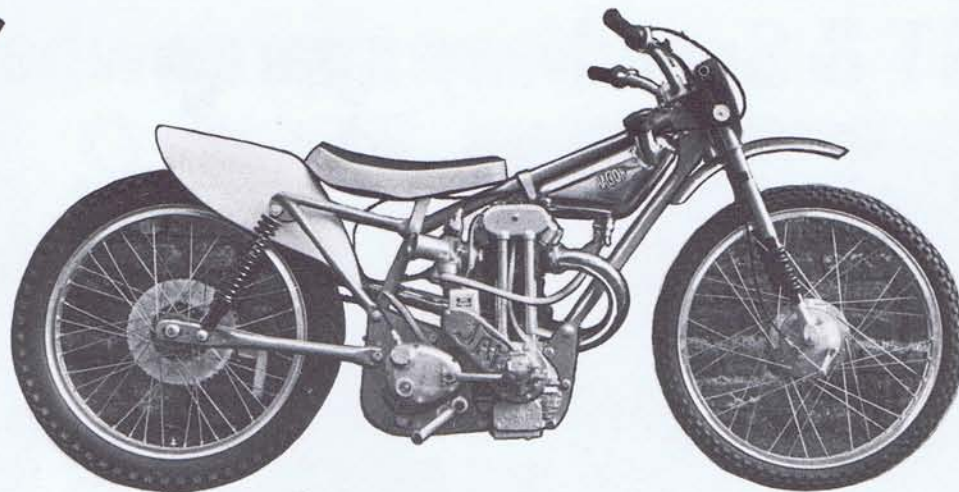
Besides all these JAP parts we can also offer the following services:—

Valve Cut
Valve Seats Cut
Inserting
Helecoiling
Alloy and Magnesium welding
Mags repaired
Flywheels Trued
Ports opened
Rebore and Hone
Resleeving

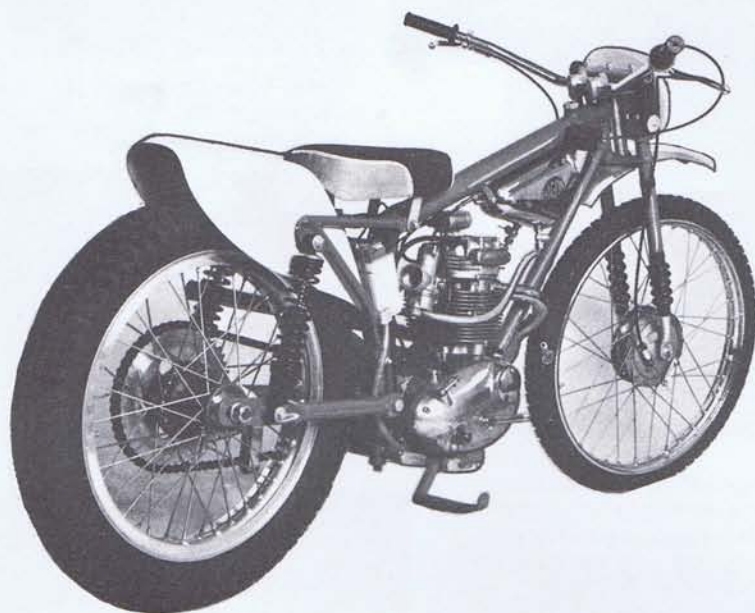
500cc. JAWA / ESO ENGINE SPARES LIST

Standard Exhaust Nut Ring	£4.00
Oversize Exhaust Nut Ring +5 +10 +15	£4.90
Head Gasket	.40
Exhaust Gasket	.20
Tappett Adjuster	.45
Tappett Adjuster Lock Nut	.10
Big End Cage	£2.80
Mains Cage	£2.80
Big End Rollers — 28 Rollers	£2.00
Mains Rollers — 40 Rollers	£4.00
Cylinder Bolt	.90
Cylinder Bolt Spanner	.30
Mains Liners	£4.60
Bronze Valve Guides STD/+3/+5	£1.50
Inlet Valve	£4.20
Exhaust Valve	£4.20
Pushrod	.90 each
Pushrod Ends Top	.65
Pushrod Ends Bottom	.50
Cylinder Liner	£6.60
Cylinder Barrel and Liner	£24.50
Cylinder Head and Bushes	£42.00
Timing Plate and Bearing	£2.50
Timing Plate Bearing	.80
Timing Case Gasket	.25
Sprocket Carrier	£3.50
Sprocket Carrier Nut	.50
Timing Pinion	£2.50
Timing Shaft	£3.60
Drive Shaft	£3.60
Small End Bush	.70
Parrellel Crank Pin	£5.00
Rocker Arms	£3.75
Rocker Gasket	.25
Mika Washer	.10
Cam Shaft	£4.90 each
Cam Follower	£2.50
Cam Follower Guide	£2.00 each
Idler Shaft	£1.75 each
Rocker Feed Union	.45
Valve Spring Cup	.18 each
Valve Spring Collar	.50 each
Valve Spring Collet	.35 each
Hepolite Forged Pistons STD +10 +20 +30	£8.50
HAGON JAP/ESO Valve Springs	£1.25
Piston Rings — Oil Ring	.50
Piston Rings — Compression STD +10 +20 +30	.34
Lodge RL 49 — 50 — 51	£1.25 each
NJK B9EN and B10EN	£1.25 each
Engine Sprockets 15 to 20	£1.70 each
21 to 26	£1.90 each
Rear Wheel Sprockets 56T/62T	£4.25
Solid Fibre Clutch Plate	£1.30 each
Extra Strong Clutch Springs	.15 each
JAWA 2 speed Gear Box	£65.00 each
Dural Fork Top Plate	£1.75

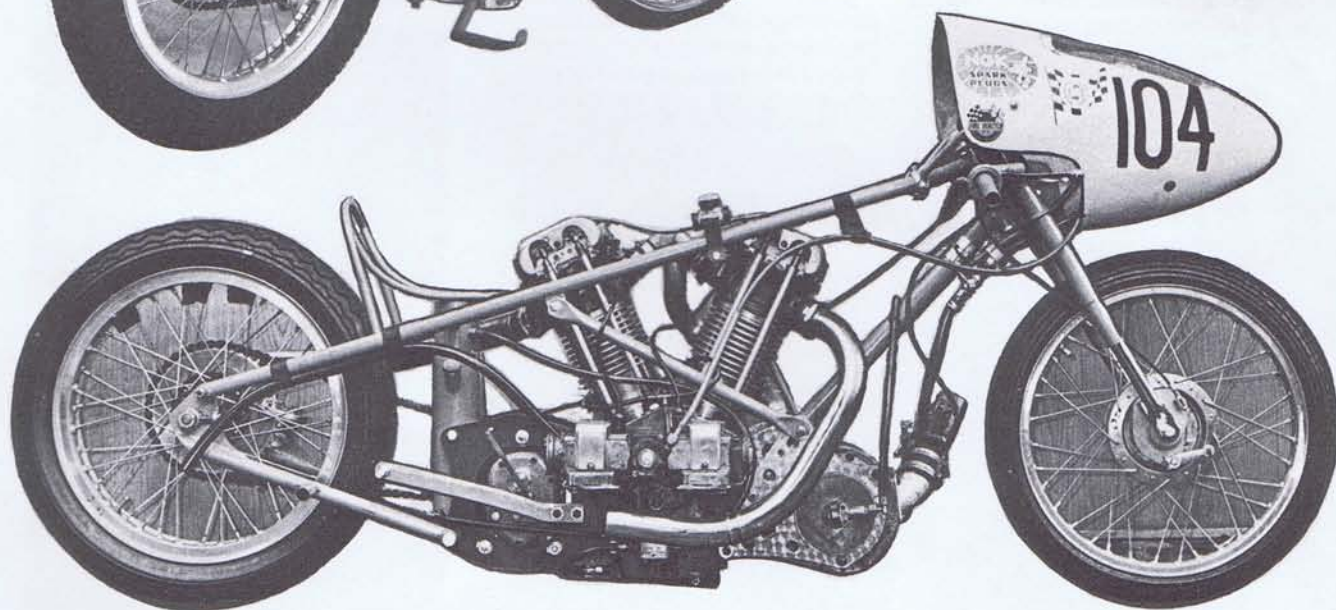
"Hagon,s"



THE HAGON SANDRACER

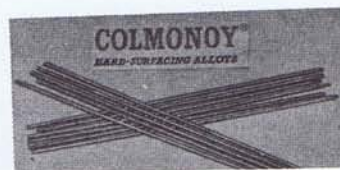
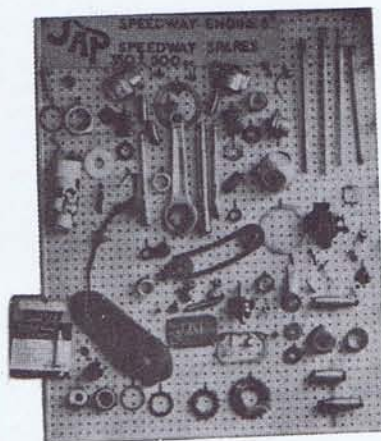
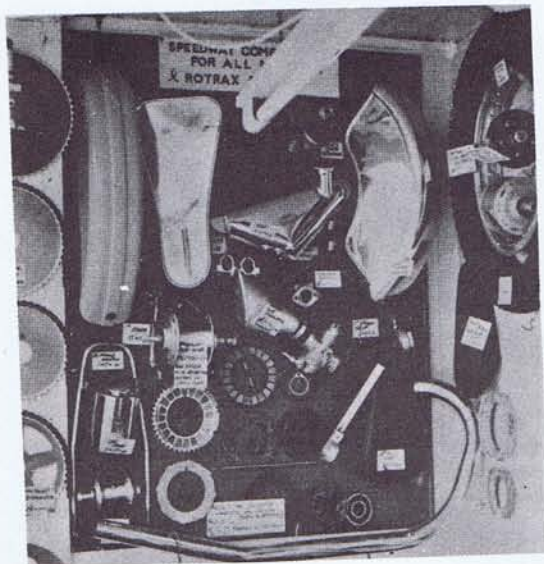


THE HAGON STARFIRE 250



**THE FAMOUS 1260^{cc} HAGON JAP DRAG MACHINE
SHOWN IN ITS 206 M.P.H. TRIM**

GT & Speedway spares



For Steel Shoes (per stick) .40
(per lb) £4.00



BIKE STANDS
Alloy Stand (ESO) £2.50 ea.
Steel Stand (JAP)



JAP White Fibreglass
Engine Cover — £2.25



Special Engine Plates As shown
ESO Frame/JAP Engine £9.00
Special Plates made to your Pattern.



ROTRAX Fuel Tank Chrome
4-pint with cap £4.75



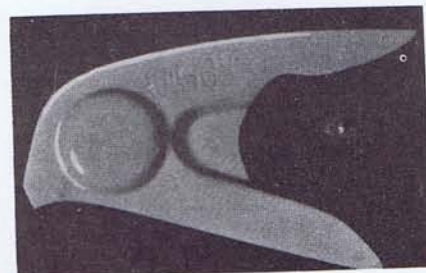
ROTRAX Chrome
Oil Tank with Cap £2.75



ROTRAX Seat — Black
3 bolt fixing £3.25



Fibreglass Rear Mudguard
Colours — white — blue —
yellow — red. £2.75



New Short Fibre Glass Chaincase for
Speedway or Grass
White, Blue, Red, Yellow. £1.75



Air filter (fits all 900 range) with
removable wire mesh gauze held in
by circlip. Price £1.25



All alloy 7/8" superfast twist grip
1½ pull with only 80° twist. £3.00



White Fibreglass Dirtshield including
Fixing Bracket £2.40

GT & Speedway spares



Chrome
Lifting
Handle
£1.50



Chrome
Dirt Shield
with Clamps
£2.00



Speedway
Exhaust
Pipe Bracket
£0.50



JAP Long Front
Engine Plates
3-hole Pick Up
£2.00



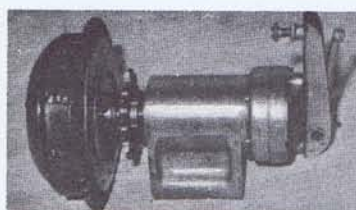
STEEL TANK
Holds 1½ gallons. Universal Fitting.
Bayonet Cap — ¼ Gas Tap Fitting
Holes. £6.00



A.C.U. Approved
Silencer 1½"
£2.25



JAWA COUNTERSHAFT £22.50
JAWA Clutch £27.00



ROTRAX Countershaft £15.50
ROTRAX Clutch £19.25



A special matt black coating
gives good heat dissipation.
Aerosols .53



Starting Gate
ideal all types
of events £15
with tape and
rubber

DURAL H/Bar Clamps
Clamps
7/8 or 1"
£1.20
a set



Ex. Clips
All Sizes
up to 2"
.20 each

EXHAUST PIPE CLIPS



HANDLEBARS MADE TO PATTERN
7/8" or 1" Steel or Dural £2.25



Fibre Glass No. Plates .50 each
Self Adhesive Backgrounds
All Colours .10 "
Nos. Black or White .05 "



BLACK RACE SEAT
(Alloy Base) £3.00

Ideal Jnr. Bike or Road Race
50cc/125cc.



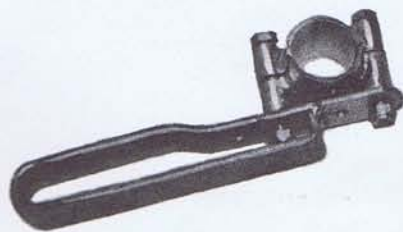
Long Seat — £4.50
4 stud fixing. Blue and Grey.



Blue & Grey Short Seat — £3.50
4 stud fixing.



White Fibreglass Chaincase cutaway
or full £2.75



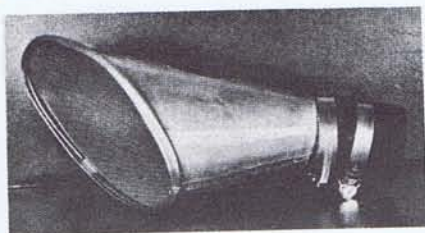
Universal Chain Guide
1½" Split clamp
fixing — £2.50



Front & Rear
Engine Plates cut to any
pattern — from high tensile
dural — from £9.50 (as shown)

Bits. & Pieces

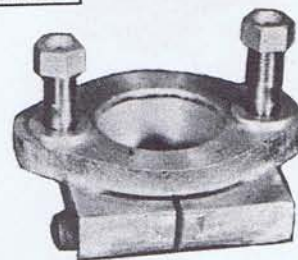
FOR J.A.P. & E.S.O. ENGINES



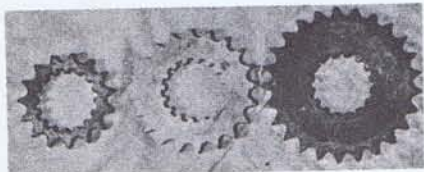
Aircleaner Complete with Gauze, Hose and Clips — £2.75



Mahle Mk. III Piston for 500cc JAP Valve cutaways for big cam — STD 10/20/40 £9.50



Concentric Carb. Adaptor 2" Centres for 1 3/8" and 1 1/2" stub. £2.00 each.



JAP & ESO Engine Sprockets
15T to 20T £1.70
21T to 26T £1.90



JAWA PISTON (HEP) £8.50
With Rings & Gudgeon Pin
Std + 10 + 20 + 30
Rings only .34 each



New Mags — S.E.M. Swedish — Rotating Magnet Base Fitting £21.50

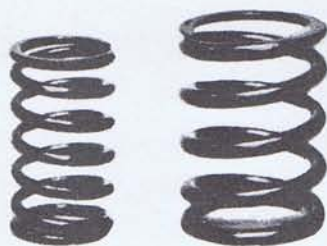


Circlip Eng. Nut for JAP .60 each



Alloy Pushrods .60 each
Needle Roller Conversion for JAP Camshaft bushes. £1.50 pr.
(Old Bushes need boring to suit)

JAP VALVES & GUIDES
Bronze Valve Guides ea. .95
Thin Head Ex. Valve £2.60
Inlet Valve £2.60



HAGON VALVE SPRINGS
FOR JAP & ESO

NON PROGRESSIVELY WOUND

2 inners 2 outers

Specially made from Swedish wire — gives longer life and valve control at high r.p.m.

Outside diameter — 1 7/16"

Free length — 2" Fitted length — 1 5/16"

AS USED ON OUR 206 m.p.h. JAP

Price £1.25



MANIFOLD

For fitting big carbs on small heads or small carbs on big heads. 65mm to 2" Stud centres. 32mm bore.

Price £2.00



PISTON RING CLAMP

60mm
80mm
.40 each

SPECIAL SERVICES

Rebore and Hone (To racing standards) (per cyl.) (Exchange Services) £1.50
Head inserting (per seat) Inc. Bronze Guide £5.00
Resleeving (per cyl.) £6.00
Big end assemblies (Reconditioned to order)

Jap engines and spares
JAWA Engines and spares
JAP ENGINE LIST
JAWA ENGINE LIST

Racing Plugs

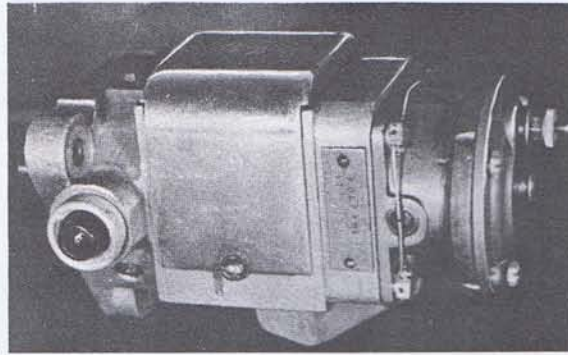
10 and 14 MM



REACH	RANGE	NGK	CHAMPION	LODGE
14mm (Long)	hot	B-8EN)	N 62 R)	RL47 £1.50 each
x	"	B-9EN)	N 60 R)	RL49, RL50)
	"	B-10EN £1.25	N 57 R .80	RL51 £1.25
	"	B-11EN each	N 54 R each	RL52 each
3/4" reach	cold	B-12EN))	RL53)
14mm (Short)	hot	B-8HN)	L 62 R)	R47 £1.50 each
x	"	B-9HN)	L 60 R)	R49, R50)
	"	B-10HN £1.25	L 57 R .80	R51 £1.25
	"	B-11HN each	L 54 R each	R52 each
1/2" reach	cold	B-12HN))	R53)



6VLT Sports Coil
Oil Filled £3.25
Standard £2.25



Reconditioned B.T.H. Magneto
From £16.00 (Exchange service available). Guaranteed.



Vibration Proof 6VLT
Battery Guaranteed £2.50



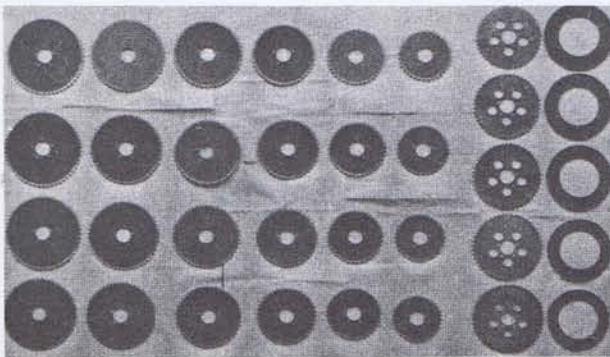
Reconditioned B.T.H. Magneto - Single
From £14.00 (Exchange Service) Guaranteed.



High Tension Lead
Black or White .10 per ft.
P.V.C.



Champion and Lodge Racing rubber plug
covers. .25 each



SPROCKETS

Part of our range of Sprockets are shown opposite - we can also supply special 'one offs' to your instructions.

SIZE	DURAL	PRICE
1/2" x 5/16"	56.58.60.62.64.T (CUB)	£3.50
5/8" x 1/4"	35 to 49T	£4.00
5/8" x 1/4"	50 to 62T SPEEDWAY J.A.P.	£4.25
5/8" x 1/4"	56. to 62T SPEEDWAY JAWA	£4.25
SIZE	STEEL	PRICE
1/2" x 5/16"	58.60.62.64.T) MAG HUB OR	£4.25
5/8" x 1/4"	47 to 51T) SPEEDWAY JAP	£4.25

Hagon BSA

C15. B40. VICTOR & BARRACUDA



SPECIFICATION

Built from best quality materials, this machine can be adapted to accommodate most unit construction engines.

Weight (with fuel and oil) 195 lbs.

Wheel base 54"

Head angle 69°

Oil in frame return system holding 2½ pints.

High tensile 7/8" handlebars.

High level cross over exhaust pipe.

Interchangeable rear wheel sprockets, Chrome rims.

19" rear wheel

21/23" Front wheel

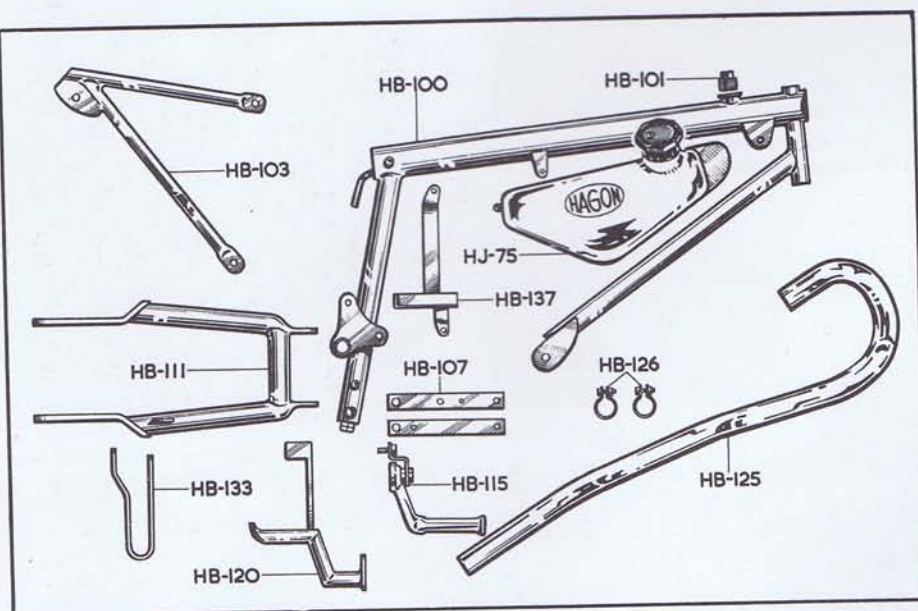
Standard fitting on all models.

Fibreglass rear mud-guard valanced for numbers.

Right-hand swinging footrest.

Accommodation for battery.

Blue stoved enamel finish.



COMPLETE MACHINE (less Engine) (C15)

Frame Assembly (Diamond, Sub Frame, Swinging Arm, Oil Tank in Frame, Engine Rails, Girling Legs, Nuts and Bolts)

HAGON (C.15) Suitable for 5TA Units (Frame Set - Oil in Frame)

HAGON (C.15) Suitable for Villiers Unit (Frame Set)

HAGON BULTACO Complete less engine and Ex. Pipe) Ready to

HAGON HUSQVARNA " " " " " ") Fit the engines

HAGON MONTESA " " " " " ") straight in.

HAGON TRIUMPH CUB you supply your Cub Diamond which we convert to Hagon CUB!

22

BSA ENGINES

We can now supply Starfire 250cc and Victor 441cc engines with complete machines.

Price on request

PRICES

£150.00

£46.00

£50.00

£50.00

£165.00

£165.00

£165.00

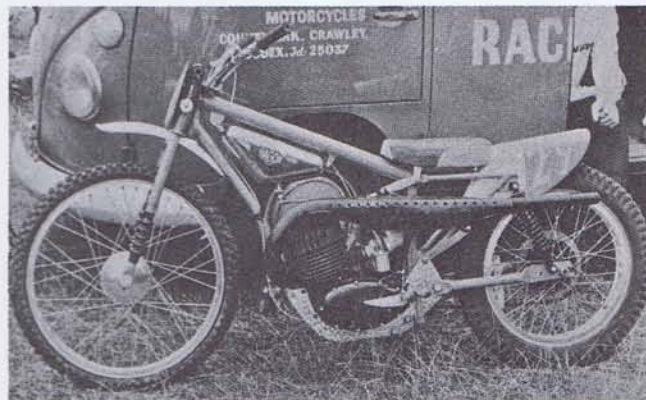
£17.50

HAGON BSA COMPONENT LIST

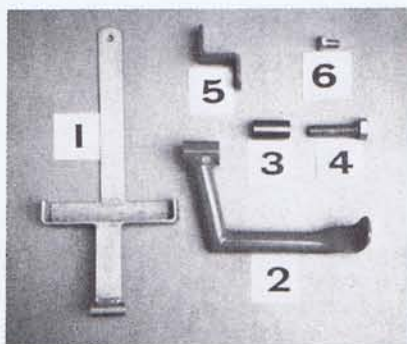
Part No.	Description	Quantity	Prices	Part No.	Description	Quantity	Prices
HB-100	Main Diamond frame (with s/a bushes)	1	£17.00	HJ-84	Handlebars 7/8" (T45)	1	£2.25
HB-101	Frame oil tank filler plug	1	.40	HJ-85 A	Seat (short) B long £4.50	1	£3.50
HB-102	Frame oil tank drain plug	1	.05	HB-135	Seat bracket, front	1	.70
HB-103	Sub frame	1	£7.50	HB-136	Seat bracket, rear	1	.90
HB-104	Sub frame spacer	1	.50	HJ-88	Rear guard	1	£2.75
HB-105	Sub frame spacer nut and bolt	1	.15	HJ-89	Rear guard 3/8", nut and bolt	2	.15
HB-106	Sub frame top fixing nut and bolt	1	.20	HJ-90	Rear guard 1/4", nut and bolt	1	.15
HB-107	Engine rails	2 ea.	£1.00	HJ-91	Rear guard spacers	2	.15
HB-108	Engine rail rear frame bolt	1	.40	HJ-92	Rear guard washers	2	.02
HB-109	Engine rail engine nut and bolt	1	.30	HJ-93 A	Front alloy guard (fibreglass £1.00 [B])	1	.60
HB-110	Girling legs — adjustable	2	£8.80	HB-137	Battery carrier (new type)	1	£2.00
HJ-50	Rear units fixing bolts and nuts	2	.40	HJ-94	Front number plate complete	1	.90
HB-111	Swinging arm	1	£8.00	HJ-95	Front plate less clips. Black/yellow/green or blue and white	1	.50
HB-112	Swinging arm bushes	2 pr.	.70	We reserve the right to vary specifications.			
HB-114	Swinging arm pivot nut and bolt	1	.40				
HB-115	Footrest offside complete (new type)	1	£2.50				
HB-120	Footrest nearside with brake pedal complete	1	£3.50	C15	Clutch lever		£1.10
HB-121	Footrest nearside	1	£2.50	C15	Clutch cable		.60
HB-122	Footrest nearside fixing bolt	1	.10				
HB-123	Rear brake pedal	1	£1.00				
HB-124	Rear Brake pedal pivot nut and bolt	1	.15				
HB-125	Exhaust pipe — cross over type	1	£4.00				
HB-126	Exhaust pipe clips	2 ea.	.20				
HB-127	Exhaust pipe brackets	2 ea.	.50				
C15	Rear chain (124 rollers)		£4.00				
C15	Rear brake cable		.60				
C15	Rear brake cable stop		.75				
HB-128	Fuel pipe	1 ea.	.60				
HB-129	Oil feed pipe	1	.50				
HB-130	Oil return pipe	1	£1.50				
HJ-75	Tank with cap (five pint)	1	£6.50				
HJ-76	Tank cap	1	.20				
HJ-79	Tank cap with filter	1	.65				
HJ-80	Tank tap washer	1	.01				
HB-131	Tank tap plug	1	.15				
HB-132	Tank fixing lock nuts and bolts	2 ea.	.15				
HB-133	Rear chain guide	1	.80				
HB-134	Rear chain guide nut and bolt	1	.15				



HAGON "STROKER" Frame sets are now available! For most two strokes — HAGON CZ (as shown) is only one of the engines that will suit.



The HAGON Husqvarna is yet another of the Hagon range of specials — each special is built with care, perfection, accuracy.



New BSA BATTERY CARRIER fits under seat a must for BARRACUDA for carb. clearance £2.00

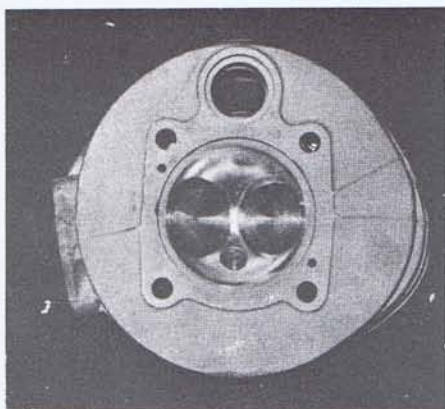
New C15 Right hand footrest

2	Footrest	£1.75
3	Hinge spacer	.25
4	Hinge spacer bolt	.15
5	Fixing bracket	.40
6	Fixing bracket bolt	.05
	Footrest Assembly complete	£2.50



BSA C25 and B25 also TRIUMPH TR2 25W.	
DECOKE SET	.50
ENGINE SET	.75
COPPER HEAD GASKET ONLY	.25

BSA C15



The BSA Cylinder Head Conversion consists of opening the inlet port to $1\frac{1}{8}$ " fitting a larger inlet valve, recutting the valve seats — New Exhaust Valve — and two bronze valve guides. Sandblast cleaned.

EXCHANGE
SERVICE

Price £10.50



C15/250 Decoke Set .50
C15/250 Engine Set .75
Head Gasket only .25



C15/B40 Alloy Cam Gear
Saves Weight £4.00



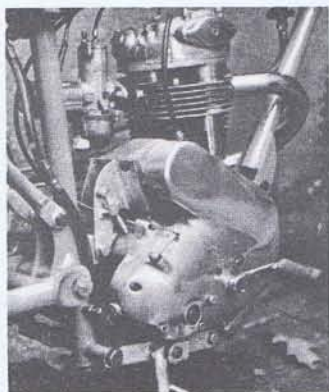
Final Drive sprockets 16T and 17T.
C15/B40 Barracuda/Victor
 $\frac{1}{2}$ " Pitch £2.00



High Compression Piston for Barracuda
CR 13/1 £6.50

BARRACUDA PARTS

Inlet Valve	£1.00
Exhaust Valve	£1.25
Bronze Guides ea.	£1.00
Alloy Pushrods ea.	.75



HAGON Mag Conversion as shown inc.
New Magneto £35.00



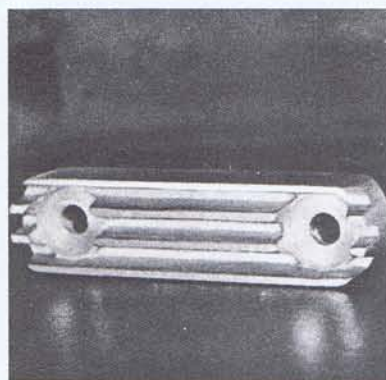
THE Hagon — BSA — Comes absolutely complete less only the engine.
All cables, chain, ex. pipe etc., — PRICE £150.00

C15 Type Frame will also take B40 Victor & Barracuda

PLEASE STATE WHICH ENGINE YOU WILL BE FITTING

BSA · C15 · 250

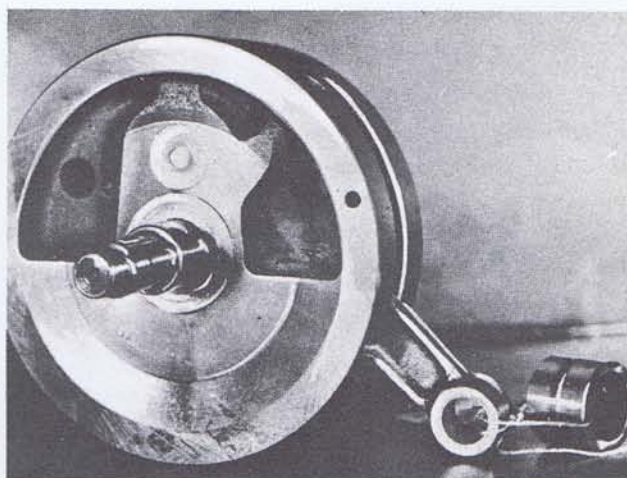
BSA.C15.250 HIGH PERFORMANCE ENGINE SPARES.



C15/B40
Finned Alloy Rocker Feed
£2.00



10-1 C15 Piston
Std. 20 30 40 60 o's
£3.50



C15/B40 FLYWHEELS

Fitted with Roller Big End Assembly — trued and ready to use.

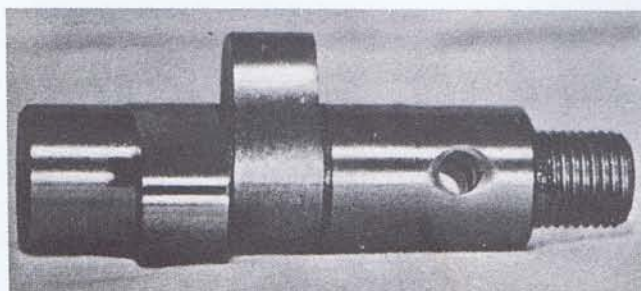
Exchange Service —
from £7.00



TIMING SIDE NEEDLE ROLLER CONVERSION

Needs no special fitting or special tools. Fits straight in. £5.00

Modification to Distributor (C.15) and fit new Points		£1.50
C.15 Rotor Spacer		.25
Iron Barrels turned down (50 thou. off the base)		£1.50
Rebore and Hone Barrel (Exchange Service)		£1.50
Bronze Valve Guides (std. & oversize)	Each	.75
Valves — Exhaust (inlet £1.00)	Each	£1.25
Gasket Sets (C.15) Engine Set		.75
" " " Decoke Set		.50



HAGON "High Lift" C.15/B.40 Special Cam. £6.50

Inlet	Opens	:- 51° BTDC
	Closes	:- 68° ABDC
Exhaust	Opens	:- 78° BBDC
	Closes	:- 38° ATDC

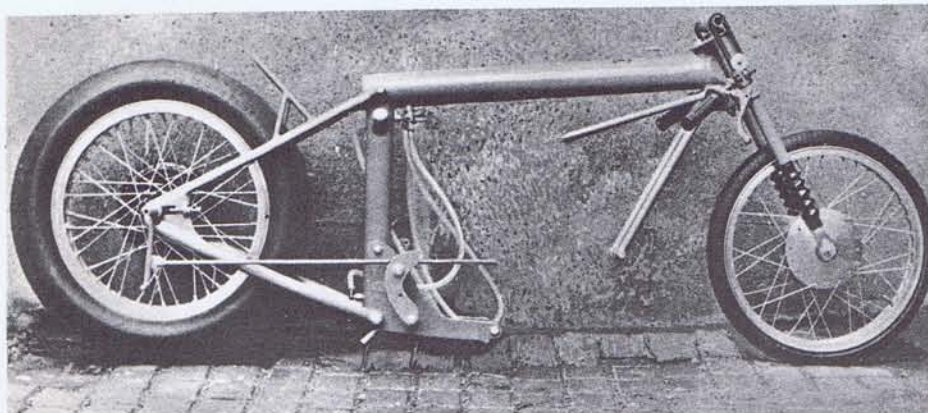
STATE WHEN
ORDERING
DISTRIBUTOR
OR
LATE TYPE
ENGINE

Valve Lift	
Inlet	:- 380"
Exhaust	:- 357"

Cam Lift	
Inlet	:- 367.
Exhaust	:- 340.

Hagon·Dragsters

A65 AND TRIUMPH UNIT CONSTRUCTION



SPECIFICATION

These machines have been developed by us from practical experience, over the past 9 years, now widely used in the U.S.A. Weight approximately 200 lbs. complete. Wheel-base 59" H/Angle 61°. 18 x 200 Front wheel Racing Ribbed type. 18 x 400 Rear wheel slick. Alloy rims. FUEL TANK in top tube. OIL TANK in Saddle tube. Return system. (Includes Cables, Number Plate, Chain etc).

Will incorporate most engines

PRICE (as shown)	£185.00
Frame Ass. (Only)	£68.00

REAR WHEEL Mag. Hub 17 mm K/O Spindle Disc Brake Operating on sprocket— or can be used without brake — 18" slick — WM3 Alloy Rim.

FRONT WHEEL Campagnolo Alloy Hub — 12 mm K/O Spindle 18" Alloy Rim Dunlop 200 or 250 Racing tyre. Spool Hub (No Brake) if required.

HAGON JAP REPLICA

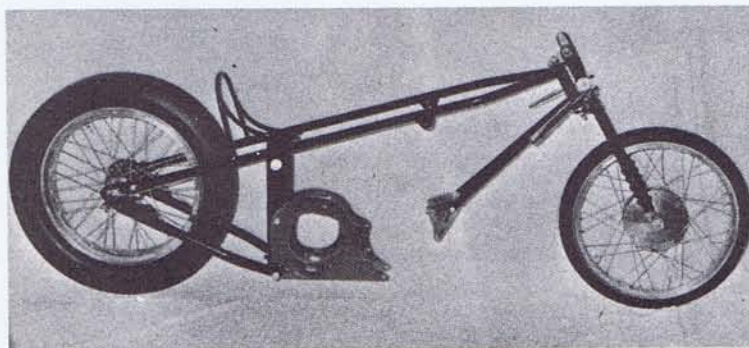
A Replica frame assembly of the Famous 1260cc HAGON JAP, is now available to suit most engines. FEATURING Twin Top Tubes from Steering head to Rear Wheel Spindle ensuring maximum rigidity under acceleration. Oil tank in seat tube —Alloy screwed filler plug delivery and return oil system with breather and drain plug incorporated — Dural Engine Plates. T45 Tube. High tensile nuts and bolts. Stove enamel finish.

HAGON REPLICA — Frame Assembly
(Steel Tube Seat Extra £5.00) — (As shown)

PRICE £60.00



MAKE THIS A STARTING POINT FOR YOUR NEW DRAG BIKE



THE HAGON JAP REPLICA

COMPONENTS

Frame Assembly with Tube Seat	£65.00
Forks with Clip-ons etc.	£18.00
Front Wheel 18" Alloy Rim Campagnolo Hub Brake	£21.50
Front Wheel 18" Alloy Rim Mag Hub — No Brake	£17.25
Rear Wheel 18" Alloy Rim Mag Hub	£22.75
Rear Wheel Spindle 17mm Incorporating Footrest	£2.50
Alloy Nuts	Ea. .20
Spacers (Chain Adjuster)	Ea. .50
Spacer (Long)	.50
Caliper Bracket (Drag)	£5.00
Brake Pedal and Link	£5.00
Gear Change Pedal & Link	£3.50

BIKE AS SHOWN OPPOSITE £155.00

Dragster Parts

DRAGSTER PARTS & ACCESSORIES



SLICK KR76 RR6

Alloy nose cone tank
5 pint capacity, weighs 1½lbs.
Alloy screwed filler, ¼ gas feed
and vent unions.
Complete as shown £10.50

DUNLOP FRONT
KR6 — 200 x 18 £6.50
KR76 — 250 x 18 £7.90
REAR TYRE
Avon Slick 400 x 18 £17.00
Tubes Each £1.25



Your kit form Dragster could look as good as this
HAGON TRIUMPH DRAGSTER

Many riders enjoy the job of assembling the Drag Bike to their own liking — adding various ideas and special parts to make the bike individual. The bike shown is blown, via twin V/Belts — using C75 Blower with 1½" Injector. AMC G/Box with our Special Clutch parts. Reconditioned B.T.H. Magneto supplies the sparks. Many of the parts will fit your DRAGSTER — so come and see us or write for Technical Information. Please send S.A.E.

TRIUMPH ENGINE PARTS



TRIUMPH 650 (High Performance Parts)
Valves In £1.50 Ex. £1.50
Bronze Guides In £1.10 Ex. £1.20
Nimonic Exhaust Valve £3.00



TRIUMPH set of three (Unit) £9.50
ALLOY TIMING GEARS (4) TRIUMPH
(Sold Separately) £13.00



TRIUMPH 650 cc 11/1 PISTONS
Std + 10 + 20 + 40 + 60 £7.00



14 mm. BLANKING OFF PLUGS
These components are used for blanking off the original Spark Plug Hole when Central Plugs have been fitted. ¾" reach manufactured from high tensile Dural with broached hole for Allen key to facilitate easy fitting. PRICE: .85



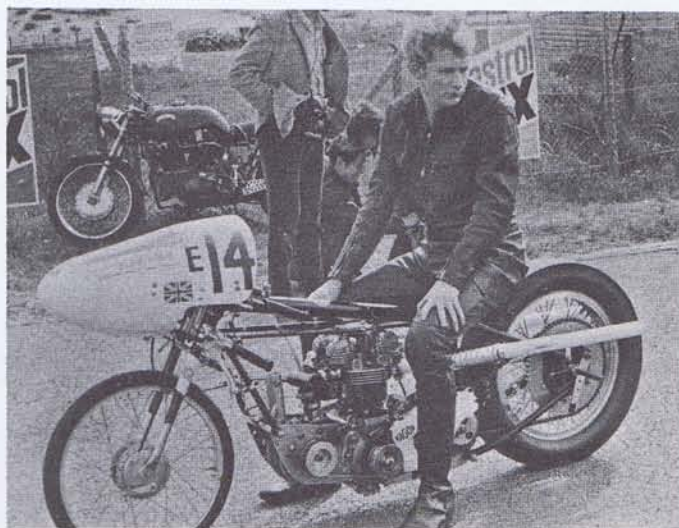
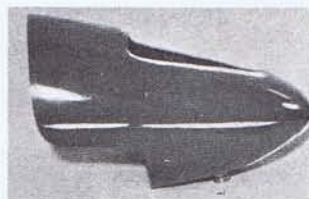
DURAL ROCKER BUTTONS (plain & offset)
Both plain and offset buttons are one third of the weight of the original component. The offset button gives approximately 0.020" extra valve lift.
Plain 4..... .90
Offset 4..... .50



DURAL PUSH RODS
TRI 650 & 500 Twin 32B £3.00 set 4
BSA 250 RANGE 32L £1.50 pair
BARRACUDA 32E £1.50 pair

HAGON NOSE CONE

The finishing touch to your Drag Bike. Can be used as just a Small fairing or Fuel tank can be fitted in the nose giving correct fuel surge.
Weights only 3 lbs.
Price £6.50 less Fittings and Screen.
White/Blue/Yellow/Black/Red/Green.
Perspex Screen £1.00



"MIRAGE" 1969 Middle Bike Drag Race Champion

KIDS CORNER

WITH THE POPULARITY OF JUNIOR MEETINGS, WE HOPE TO INCREASE OUR RANGE OF PARTS AS WE PROGRESS – BUT WE CAN OFFER SOME PARTS FROM STOCK

LEE BIRD AND MARTIN HAGON ON THEIR JUNIOR HAGONS



PEEKS
HELMETS
GLOVES
STEEL SHOE
GOGGLES
TYRES
TUBES
CABLES
Jnr. G.T. FORKS
RIMS



ACU APPROVED HELMETS
CENTURION G.T. ACU.BSI.
APPROVED.

Colours: Red, Yellow, Orange.

Sizes: 1. 6.5/8" x 6.3/4"

2. 6.7/8" x 7"

3. 7.1/8" x 7 1/4"

Size 1. Ideal for Juniors.

Price: £6.50

THERE ARE VERY MANY PARTS IN OUR CATALOGUE THAT CAN BE USED ON YOUR BIKE, MUDGUARDS, SEATS, LEVERS, NUMBER PLATES AND Nos., HANDLEBARS, CHAINS, FUEL PIPES AND FITTINGS – OR IF YOU WISH, WE COULD MAKE YOU A "SPECIAL" G.T. MACHINE, SO GET MUM AND DAD AND COME ALONG AND SEE US.

CEAT TYRES



Motocross CRP 14

325/350 x 16 £6.00



Motocross MCR

250 x 17 £4.50

300 x 17 £5.50

250 x 19 £4.75



Motocross CRA 12

250 x 19 £4.50

FULL RANGE OF RIM TAPES, TUBES, SECURITY BOLTS ETC.

SIDECARS-BLOW & GO

WHY NOT SUPERCHARGE YOUR G/T OUTFIT?
INCREASE OF POWER UP TO 50% — MOST PARTS
FROM STOCK. MANY OF YOU WILL BE WANTING
TO "BLOW", SO WE OFFER YOU "A BASIC FORMULA"
FOR THIS PROJECT.

AS THE MAJORITY OF OUTFITS ARE TRIUMPH
POWERED WE WILL USE THIS AS AN EXAMPLE. BUT
BASICALLY THIS TUNE APPLIES TO MOST ENGINES

Try us for your competition tyres —
"Most sizes in stock"
Dunlop Sports K86, 460 x 18" £9.75



ENGINE SET UP FOR SUPERCHARGING TRIUMPH 650

We recommend Shorrock CB75 driven by twin V belts at approx. engine speed. Racing type cams E3134 or Summerton, will give good results. The overlap will help keep piston, and ex valve, cool. STD9 Stud Valve sizes will be adequate, if anything, fit larger ex. about 8 to 1 Pistons. Standard Mag timing 38 to 40. Ignition system must be 100% to cope with the higher cylinder pressures, blow off valve to be fitted between blower and cylinder head, this prevents damage to blower in the event of engine backfire when starting. Make manifold as simple as possible. Slide type carbs CANNOT be used as slides will not shut under suction, we find that Wal Phillips fuel injectors will give good results.

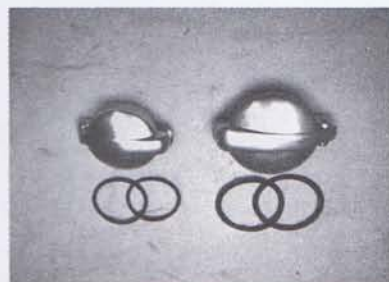
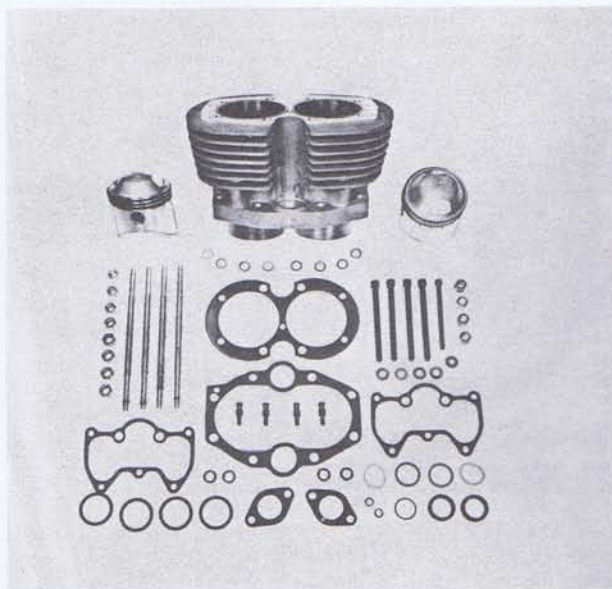
A.R.E. Triumph 750 Zip Kit

SPECIFICATION

Cast from heat treated alloy, is 10lb lighter than standard iron barrel. Pistons are dye cast and have 2" cutaway to enable oversize valves to be fitted.

Standard PISTON size 2.975" +10 +20 +40 +60 oversize available. Compression ratio 9.5 to 1 or with thin head gasket 10.5 to 1. Pistons are only slightly heavier than STD therefore crankshaft does not need rebalancing.

Fits all 650 Triumph engines providing 9 stud head is fitted
PRICE £42.50 (as photo)



MONZA CAPS

2"
2 1/2"

£2.75
£3.25



56 PAGE BOOK
MANY HELPFUL HINTS
AND TIPS .40

VARIOUS PARTS.
(Long Nylon Cables
Clutch and Throttle) 6ft. .80ea
Brazing Rod per stick .05
per lb. .60
Flux (small packet) .25
Dural — Special Engine Plates
made to pattern
SUSPENSION UNITS
WHEEL BUILDING
CLOTHING
MAGS REPAIRED
RENOLDS CHAIN
RACING PLUGS
FUELS & OILS
NUTS & BOLTS
PISTONS
CONTROLS
FUEL PIPE & FITTINGS



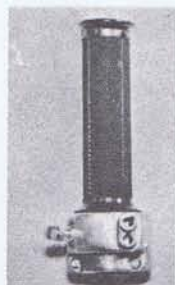
TRIUMPH Main Bearings

Ball £1.50
Lippered Roller £3.25
Triumph Alloy
Mag Gear £4.00

FRAME TUBING (Just a few examples of our stock)

			Price per ft. .20
3/8"	18G	CDMS	.35
1/2"	17G	T45	.25
3/4"	14G	CDMS	.50
7/8"	14G	T45	.50
1"	17G	T45	.40
1"	12G	CDMS	.35
1.1/8"	14G	CDMS	.65
1.1/4"	14G	T45	.45
1.3/8"	14G	CDMS	.75
1.1/2"	14G	T45	.55
2"	16G	CDMS	.75
2.1/2"	16G	CDMS	.95
3"	16G	CDMS	

Tuning Parts



TWIN PULL
7/8" Q/A grips £1.90



SINGLE PULL
7/8" Q/A grip £1.00



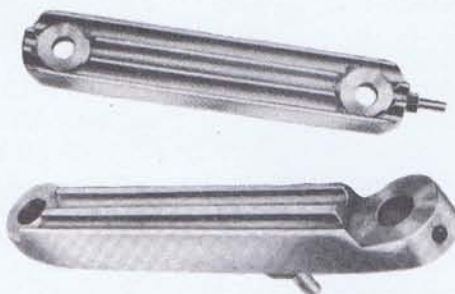
SINGLE PULL
1" very Q/A grip £2.25



SINGLE PULL
7/8" Nylon grip Q/A £1.00

ROCKER FEEDS — FINNED POLISHED ALLOY

OS 14 Triumph oil feed Pre Unit 500cc and 650cc
OS 19 Triumph 1963 onwards 650cc. Price £2.00



TRI E3134/E4819 CAMS
Timing at .020 Tappet Clearance
Inlet Opens — 34 BTDC
Inlet Closes 55 ABDC
Exhaust Opens 55 BBDC
Exhaust Closes 34 ATDC
Price £4.00 each

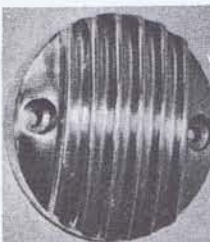
SOMERTON CAMS
Timing at .020 Tappet Clearance
Inlet Opens 45 BTDC
Inlet Closes 75 ABDC
Exhaust Opens 75 BBDC
Exhaust Closes 45 ATDC
Price £7.00 each



1 1/2" Split Clip-ons for
Hagon Forks £2.90

Nylon Lined
Cables
.60 each
Front Brake
Throttle
Clutch
Universal
Fitting.

Allen Screw Sets
BSA C15
Primary Case .75
Timing Case
TRIUMPH TWINS
Primary Case
Timing Case
Price .50 per set:



Finned Alloy Contact Breaker Cover for Triumph/BSA

Highly polished Alloy Casting. .80
This cover gives a finishing touch to the machine

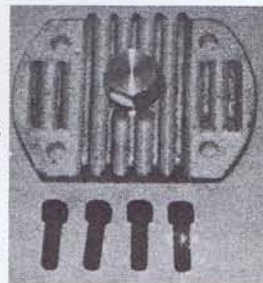


7/8" LEVERS - Ball ended
Steel .80 each/Alloy £1.75 each

TRIUMPH FINNED SUMP PLATE

This finned sump plate is manufactured from high strength alloy, finned for effective cooling.

Incorporates a magnetic drain plug.
To suit TRIUMPH ... All Pre-Unit Construction Models. £1.50



FREE LENGTH 1 11/16" TYPE "A" SPRING

LENGTH	POUNDS	LENGTH	POUNDS
1 3/8	65	1 1/16	150
1 7/16	80	1 1/8	170
1 1/4	96	1 5/16	190
1 3/16	115	7/8	220
1 1/8	130	1 1/16	COIL BOUND.

Instructions for installation of type "A" spring

These outer springs are progressively wound and it is very important that they are installed in the correct manner.

Place the end of the large spring with the tight coils next to the cylinder head. The inner spring is placed inside the outer.

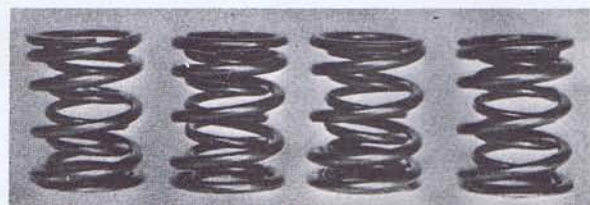
CAUTION: When valve is on the seat, the overall length of the outer spring should be 1 5/16". The inner spring should be .090 less than the outer. If the length is greater than stated, pack to the recommended length.

In some cases top and bottom valve spring collars will have to be turned to suit springs. O.D. of outer spring 1 1/4".

SET FOR TWINS
SET FOR SINGLES

£8.00
£4.00

S & W VALVE SPRING CHART



All material is special aircraft quality wire which is drawn oversize and then ground to the proper size for winding.

Each spring is then pressure checked for load. Tolerances are held to plus or minus 2 1/2%.

Shorrock Supercharger

Is the quickest, simplest and surest way of extracting more power from small capacity engines.

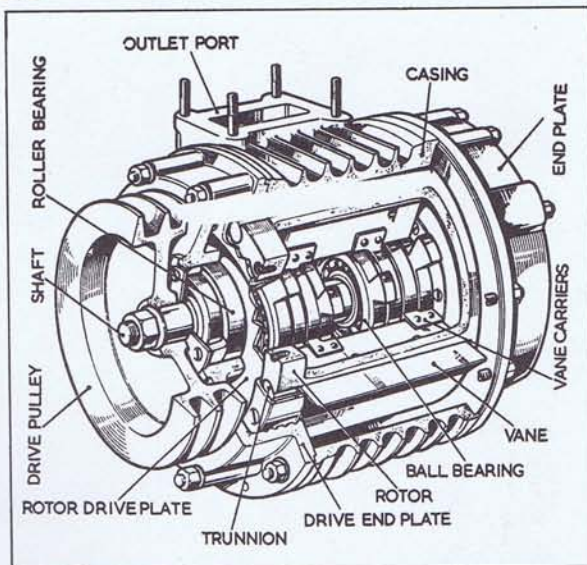
Atmospheric tuning for performance, that is, by the use of modified carburation, cylinder head, camshafts, etc., usually produces increased power at the cost of increased engine R.P.M. and loss of bottom end power. Shorrock supercharger installations on the other hand can produce up to 50% more power without substantially increased r.p.m. as well as vastly improved bottom end performance, and torque, throughout the normal rev. range.

C.75B for engine capacities ranging from 500 – 1200

Shorrock's Booklet

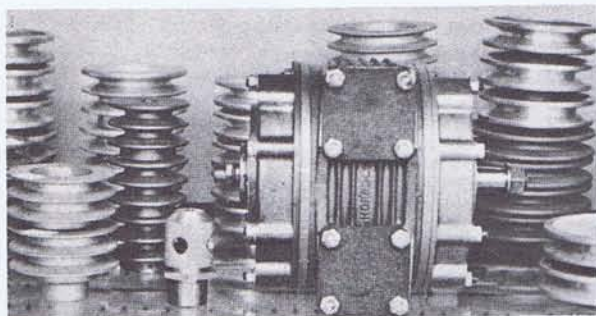
Supercharging Cars & Motor cycles
by M. Brierley

The rotation of the blower can be reversed by dismantling and turning the centre section through 180°.



PRICES

C75B	£68.50
C142B	£88.50
Pressure Release Valve and Stud	£2.00
Belts (A26 to A39)	.60 each
Pulleys (alloy) (various sizes) 2" to 5"	From £1.50
Twin V section	
Hose Clips (½" to 2½")	from .10
Rubber hose 1⅜" to 2¼"	In Stock



Wal Phillips Fuel Injection

AS USED ON OUR
200 M.P.H.
DRAG BIKE

All units up to 1¼" have flanges with 2" centre stud holes
Note:—5½ inches clearance between Intake manifold and nearest obstruction (usually the frame) is necessary to accept injectors up to 1¼ inch bore. 6½ inches for units 1½ inch and larger.

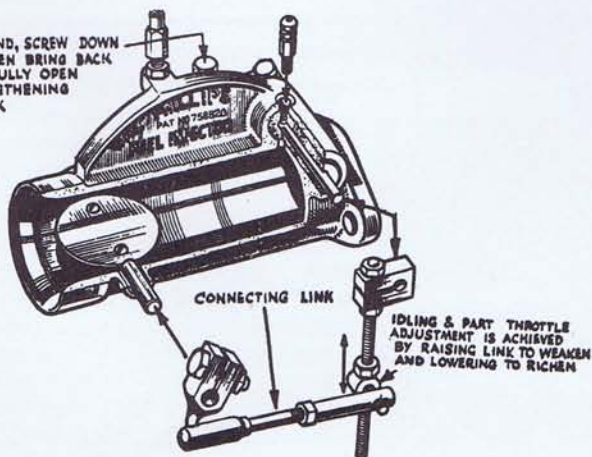
1in, 1½in, 1⅞in, 1⅝in, 1¼"	£8.00
1⅜in, 1½in, 1⅝in	£12.00
1¾in	£17.00
2in. to 3in. To order only	£25.00

(Prices subject to alteration without notice)

Full tuning instructions are supplied with every instrument.

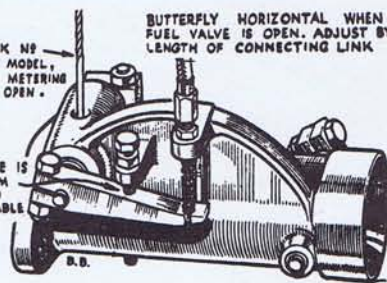
Special dope jets .65 extra

TO WEAKEN TOP END, SCREW DOWN THROTTLE STOP, THEN BRING BACK BUTTERFLY TO FULLY OPEN POSITION BY LENGTHENING CONNECTING LINK



BUTTERFLY HORIZONTAL WHEN FUEL VALVE IS OPEN. ADJUST BY LENGTH OF CONNECTING LINK

WHEN FUEL VALVE IS FULLY OPEN, ARM SHOULD BE HARD AGAINST ADJUSTABLE STOP



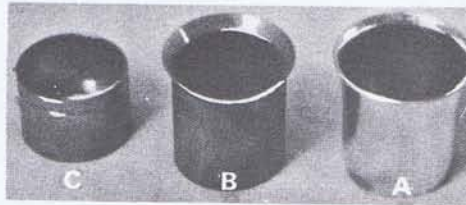
Carburettors



ALLOY MANIFOLD SPACER

SIZES: 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"
Complete with long studs & nuts. 2"
centres

PRICE £1.25



BELL MOUTHS

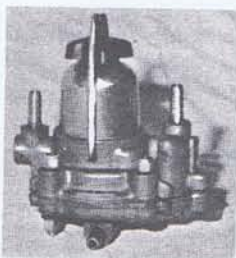
A. Steel (Chrome))
B. Alloy) .65 each
C. Short Alloy for Air Filter)



AMAL G.P. Carbs (in matched pairs)
1 5/32" bore, control cables and
junction box £22.

CONCENTRIC 900 CARB. SETTINGS				
	J E T S			P E T R O L S E T T I N G S SLIDES No. 2, 2½, 3, 3½, 4, 4½, 5.
	MAIN	NEEDLE	PILOT	
SETTINGS FOR ROAD USE Most 250 Four Stroke Single Cylinder Machines and 500 Twins with one or two carburettors	200	106	25	Always start with slide needle in middle position. Slide cutaway affects pick-up. BLACK SMOKE FROM EXHAUST = TOO RICH REMEDY: Fit slide with more cutaway. SPITTING BACK THROUGH CARB. = TOO WEAK REMEDY: Fit slide with less cutaway. ADJUST PILOT AIR SCREW IN CONJUNCTION WITH THE SLOW RUNNING SCREW TO OBTAIN SMOOTH TICKOVER.
Most 350 Four Stroke Single Cylinder Machines and 650 Twins with one or two carburettors	220	106	25	
Most 500 Four Stroke Single Cylinder Machines	280	107	25	
SETTING FOR METHANOL Most 250 Four Stroke Single Cylinder Machines and 500 Twins with one or two Carburettors	460	120	25	METHANOL SETTINGS Always start with special tapered slide needle (Z) in middle position. Slide cutaway affects pick-up. Eight stroking denotes – TOO RICH REMEDY: Fit slide with more cutaway. Bad pick-up denotes – TOO WEAK REMEDY: Fit slide with less cutaway. On machines with return oil system, fuel in the oil denotes – EITHER – too big a main jet or slide too rich. If the engine overheats – Main or needle jet is too small. Pilot air screw – Screw in Fully – then back off ½ of a turn. Always use the copper gauze filter in the fuel feed banjo.
Most 350 Four Stroke Single Cylinder Machines and 650 Twins with one or two carburettors	500	120	25	
Most 500 Four Stroke Single Cylinder Machines	600	120	25	
PLEASE NOTE * FOR METHANOL IT IS MOST ESSENTIAL THAT YOU FIT OUR MODIFIED FLOAT CHAMBER BOWL AND FEED BOLT.				

LET US SUPPLY AND SET YOUR NEW 900 & 1000 CONCENTRIC



DELORTO FUEL PUMP
Vacuum Operated from
Crankcase - All that is
needed is a Pipe from
Crankcase to Pump.

PRICE £4.50

Castrol

CASTROL	R40	1 GALL	£2.00
CASTROL	R40	1 QRT	.50
CASTROL	M.	1 GALL	£2.50
CASTROL	M.	1 QRT	.64

We recommend Castrol R.

METHANOL & NITROMETHANE

Nitromethane	English 1/2 Gallon	£5.00
	English Gallon	£9.00
	5 English Gallons in Drum	£38.00
Methanol per Gallon (Loose)		.65
" " 5 Gallons "		£2.80

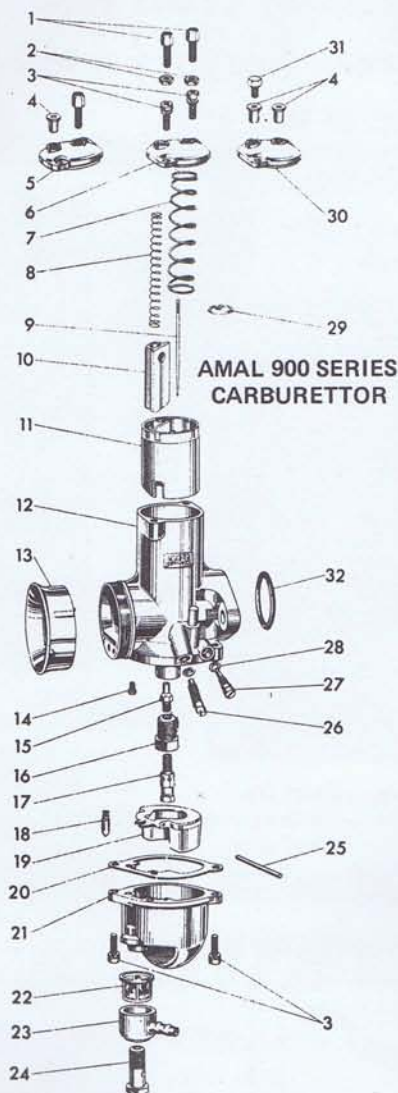
NITROMETHANE MIXES

50% Meth	50% Nitro	£5.00
75% Meth	25% Nitro	£2.50

SOLVOL 'R'40

Solv R40	1 Gall.	£1.80
Solv R40	1 Qrt.	.48
Solv Grease	1 lb. tin	.20

Carburettors



AMAL 900 SERIES
CARBURETTOR

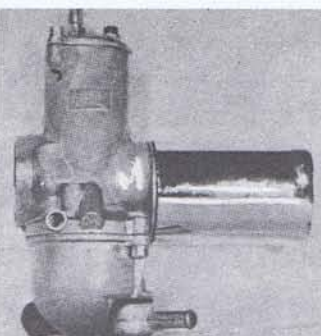
When ordering parts for 900 concentric carburettors please state the illustration no. of the item required.

A	T. Piece	.25
B	Pipe Union	.10
C	Ferrules (brass) (Alloy .15)	.10
D	Banjo	.20
E	Plug	.15
F	Tap	.65
G	90°	.30
H	Twin Feed 90°	.25
I	Nut (brass) (Alloy .10)	.05
J	Tap	.45
K	Single Feed	.20
L	Double End Union	.15
M	Twin Feed 180°	.25
N	Tap (with filter)	.65
O	Twin 90° Feed (screw)	.40
P	Male Nut	.08

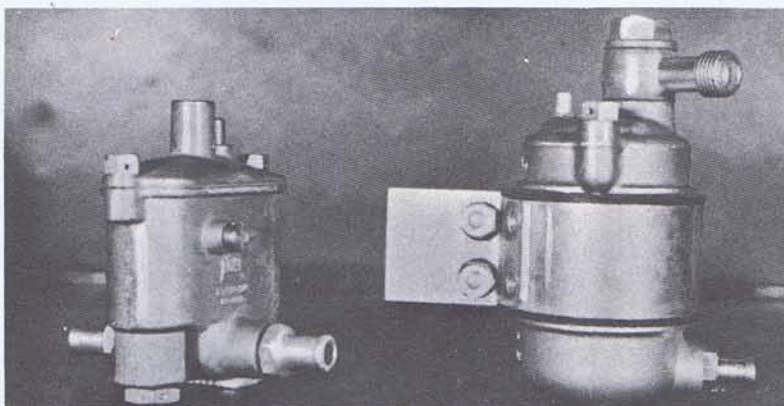
All fuel and oil pipe fittings are 1/4" gas.



NYLON REINFORCED FUEL PIPE
.10 per ft. 1/4" and 3/16"



AMAL 928 930 932 £8.00
Modified for Methanol £8.50



AMAL Matchbox Remote Float
Very slim twin outlet £7.00

DELORTO Remote Float Chamber
SS1 large £7.75
SS2 small £6.75

NYLON CONTROL CABLES Anti friction cables for only . . .60 each

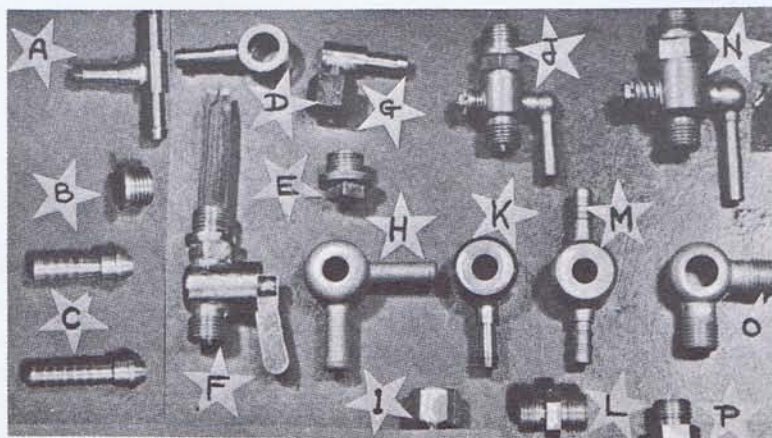
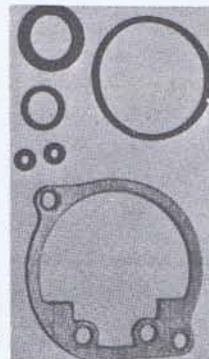
THROTTLE - CLUTCH - FRONT BRAKE - UNIVERSAL FITTING.

NOTE: When ordering carburettors please state the following:-
Petrol or Methanol, Make, cc of engine, No. of cylinders, etc



THE BIG ONE! 1000 RANGE
1034 - 34 MM 65MM Flange
1036 - 36 MM Centres
1038 - 38 MM Centres
(NO AIR SLIDE OR VENTURI)
Petrol version £11.50
Methanol version £12.00

CONCENTRIC GASKET
SET AS SHOWN .20



GIRLING Suspension Units

OFFICIAL
DISTRIBUTORS

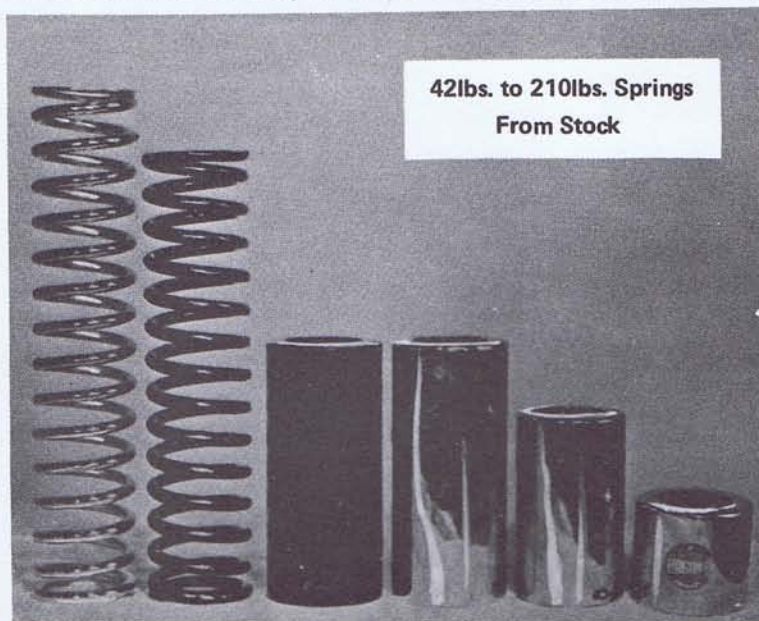
HIGH PERFORMANCE UNITS AVAILABLE FOR PRACTICALLY EVERY MACHINE

WHETHER ITS FOR ROAD, TRACK, SOLO OR COMB. GIVE US A TRY AND YOU WON'T GO WRONG.

PLEASE STATE MAKE, MODEL, YEAR, & C.C. OF MACHINE



**SPECIAL Racing
TYPE UNITS (Balanced)**
Chroms multi rate
springs short chrome
top cover £10.50 pair



42lbs. to 210lbs. Springs
From Stock

Chroms Springs
From £1.90 each

Standard
Spring from
.70 each

Standard
Top Covers
.88 each

Chrome
Top Covers
£1.50 each

Chrome
Bottom
Cover
£1.00 each

Short Top
Chrome Cover
£1.00 each



Standard Girling
From £8.80 pair
As Shown

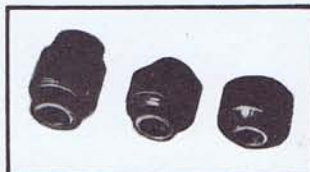


Steel Circlips (4) .20

Alloy Circlips (4) £1.10



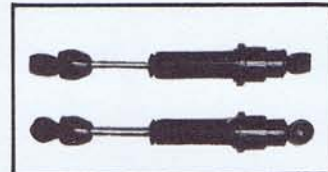
Steering Damper
Fully Extended 11 1/4"
Compressed 7 1/2"
Price £4.75 each.



Bushes From .25
5/16" 3/8" 7/16" 1/2" -
10mm and 12mm
Length from 3/4" to 1 1/8"



Chrome Adjuster
Spanner, Fits old and
new type units.
Price .20



Dampers (adjustable)
(Sold in pairs)
10.9 to 15.9
From £6.00

GIRLING SUSPENSION UNITS assembled to your requirements. This service is unique, you tell us your problem, and we will help you to solve it.

All we need is a few basic facts

A Weight of Machine

B Length of Unit required

C On what type of machine

D Solo or comb.

E Bush Sizes, top and bottom

F Weight of rider/s

Units range from 10.9 to 15.9 and we can supply springs from 60lb up to 200 lbs -

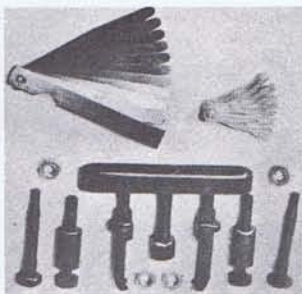
Price start at £8.80

Tools

ALL TOOLS ARE OF GOOD QUALITY



O.H.V. Valve Spring Compressor .80 each



FEELER Gauge .25
MAG. Spanners .20
UNIVERSAL Pullers £1.25



Jet Key & Phillips Screwdriver Tool .20

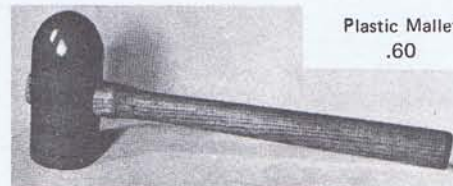
Champion Plug Tools .25



BAKERS SOLDERING FLUID .25

OIL CAN WESCO JNR. .45

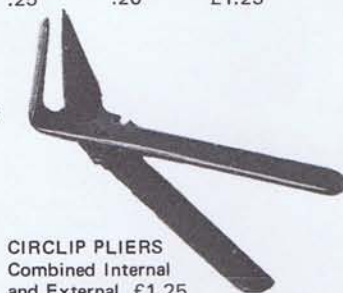
MULTICORE SOLDER IDEAL FOR CABLES ETC. .25



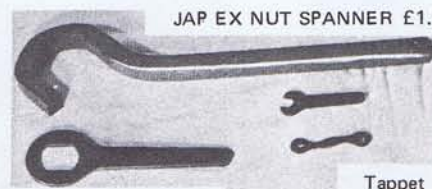
Plastic Mallet .60



Burette — (Glass) 50cc. £1.80 each



CIRCLIP PLIERS Combined Internal and External £1.25



JAP EX NUT SPANNER £1.25

JAP Eng Nut Spanners .31

Tappet Spanners .10 each



Chain Link Extractor £1.25 each



14MM Plug Spanner .25



CYL HEAD HOLDING TOOL .60 each



VALVE GRINDING TOOL .15 each

LOCTITE*
TRADE MARK



We recommend and use **LOCTITE** .25



RENOLDS CHAIN

	Prices per foot
1/4" x 5/16"	.77
5/8" x 1/4"	.90
5/8" x 3/8"	.90
Spring Link	.13
Cranked Link	.21



.15 per tube.



ALLOY MUDGUARDS
Front 4" Price £1.25
Rear 5" £1.50



HOSE CLIPS 1/4" to 2 3/8"



PLASTIC INSULATION TAPE

Large .40 (Black only)
Small .10 Yellow, blue, red, and green.

6lb. to 50lb. Tyre Gauge .50 each



Clothing

WHEN ORDERING PLEASE STATE SIZE AND COLOUR WHERE APPLICABLE.



HAGON LEATHERS — One piece fully lined. Padded with pocket. Brass zip. White strips on sleeves. Colours: Light Blue, Dark Blue, Maroon, Dark Green. Sizes S, M, L. PRICE: £30.00



THROTTLE GUARDS the perfect answer to blistered thumbs. Designed to fit firmly onto throttle to prevent rubbing and abrasion. Two stitched rings of soft leather enclosed foam pad, acting as a cushion. Available in all colours. Price .25 pair.



ZIP GLOVE unlined — £1.25 Small Med Large Suitable for all motor cycle sports

WRENS LEATHER OIL keeps all your leather racing gear supple. .25



FULL FACE MASK complete cover-up protection against chippings, cinders, mud. Ideal for all forms of rough riding. Sham-ois lined, Designed to fit inside or outside helmet, and secured by two strong elastic straps. Available in all colours. £1.50



HAGON LEATHERS — Two piece. Black only. Padded. Two pockets. Brass zips. Fully lined. Sizes S, M, L, Extra Large. PRICE: £30.00



WRIST STRAPS
Strong leather, helps give wrist support £1.25 pair

OVERALLS — With pockets, elasticated cuffs and ankle grips. Colours: Blue, Black, Green, Red. Sizes S, M, L. PRICE: £6.00

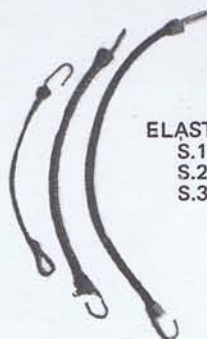
MIKE HAILWOOD BOOT — Unlined, ideal for grass, speedway, sprinting, road and road racing. Black only. PRICE £8.00



LEATHER FACE MASK — Black leather chamois lined. PRICE .75



PEEKES, BLACK and WHITE. P.V.C. Snap-on by press studs. Fits most helmets. PRICE: .50



ELASTIC STRAPS
S.1. Footrest strap15
S.2. Small Luggage strap15
S.3. Medium luggage strap .. .20



GAS GOGGLES a pair .03

BUBBLE VISOR — Fitted by press studs. Colours: Clear, Smoke, Green, Blue, Sodium. PRICE: £1.90



WHITE PLASTIC CHIN GUARD complete with press studs and screws £1.75



UNLINED LEATHER GLOVES. Elastic wrist grip — S, M, L. PRICE: £1.75

Clothing

ALL A.C.U. RACE APPROVED



RACING LEATHERS

Large — Medium — Small.
Fully Lined. Brass zips.
Pocket — reinforced.
£27.50
(Fantastic Value)
(Black)



**STONESTOPPING
LEATHER FACE MASK**
Ideal for G.T. Racing or
Speedway, made of high
quality black leather,
adjustable strap. .75

BODY BELTS £2.25

Canvas Belt 9" wide
4 Straps — sizes 28" to 38"



RACING BODY BELT

As used by many Star
Riders, quick fastener,
fully adjustable. £2.50
Colours:
Brown, Black, Blue.



Steel Shoe made to order
Completely Colmonoyed base
(Send boot) £4.75

ALF HAGON STONE STOPPING LEATHER RACING GLOVES

with protective rubber strips
Small, Med, Large £2.25



FRANK BOOT
Good quality Long Leather
Boots, Zip Back —
(unlined) £7.50



HAGON T Shirt
Medium & large .60



**HAGON Lapel
Badge .50**
Blue & Chrome.



Anti Mist Goggles
Crushproof .75
(200 MPH tested)
Plain or tinted lenses. .15 each



**A.C.U. Approved B.S.I.
Everoak Racemaster**
All sizes, silver £6.75



**EVEROAK (Grand Prix) A.C.U.
B.S.I. The best you can buy.**
As used by ALF. £13.25



"HAGON" CLOTH BADGE.
4" x 2" blue and white.
Ideal for jacket, leathers etc.
.60 each.



White Plastic Peaks.
Adjustable .50

Borrani Alloy Rims

BORRANI ALLOY RIMS (Depressed)

Undrilled 16", 17", 18" and 19"
 WM3 extra
 Undrilled 20" and 21"
 Undrilled 22" and 23"
 Drilling Extra
 Dunlop Chrome Steel Rims 16 to 19
 Dunlop Chrome Steel Rims 21, 22, 23

PRICES

£5.50
 .50
 £6.00
 £6.50
 .75
 £3.00
 £3.00

WHEEL BUILDING (Inc. Spokes & Rim)

With Borrani 23" and 22"
 With Borrani Alloy Rim 20" and 21"
 With Borrani Alloy Rim
 (16", 17", 18" and 19")
 WM3 Rims — Extra

£10.75
 £10.25
 £9.75
 .50

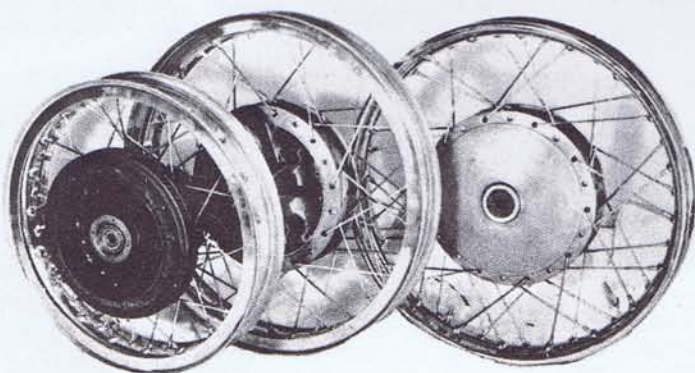
WHEEL BUILDING (Inc. Spokes)

With Steel Chrome 21", 22", 23" Rims
 With Steel Chrome 19", 18", 17", 16" Rims

£6.50
 £6.50

Wheel Build (Inc. Spokes)
 (Customers own Rim and Hub)
 Brake Drum Skimming
 Postage and Packing per Wheel Boxed
 (less Tyre)

£3.50
 £1.50
 .90

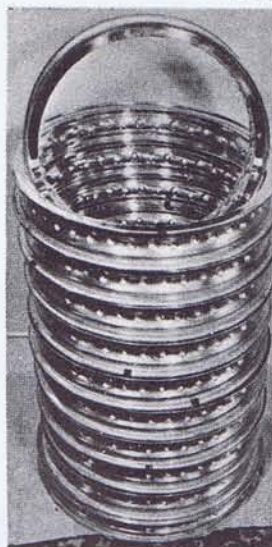


SECURITY BOLTS WM3 WM2 WM1
 .30 each



**NOTE USE OUR ORDER FORM ON
 THE OPPOSITE PAGE.
 SEND FULLEST DETAILS.**

SPECIALISED WHEELBUILDING SERVICE



BORRANI RIMS
 — 16" to 23"
 WMO to WM3
 36 and 40 Hole in stock.



GRASS



ROAD RACER



SPEEDWAY

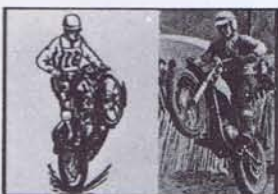
RIM WIDTHS

WM3 WM2 WM1 WMO
 3" 2 1/2" 2 1/4" 2"

Please remember to state
 width when ordering



SPOKE KEY .20



SCRAMBLES

SANDBLASTING!

WHY NOT HAVE YOUR ALLOY
 HUB SAND-BLASTED BEFORE
 WE BUILD YOUR WHEEL YOUR
 HUB WILL LOOK LIKE NEW
 For only £1.00

WE SPECIALIZE IN ALL FORMS OF WHEEL BUILDING
 AND REPAIRING — FROM ROAD USE TO WORLD
 RECORDS. YOU CAN RELY ON OUR SERVICE WITH
 CONFIDENCE.

WHEELBUILDING IS A SPECIALIST JOB — SO DON'T
 TAKE CHANCES.
 BRING YOUR WHEELS TO US!



Dunlop
 Wheel
 Balancing
 Weights

Self-Adhesive

1/2 oz. (14 grammes)
 3/4 oz. (21 grammes)
 1 oz. (28 grammes)
 .10 each