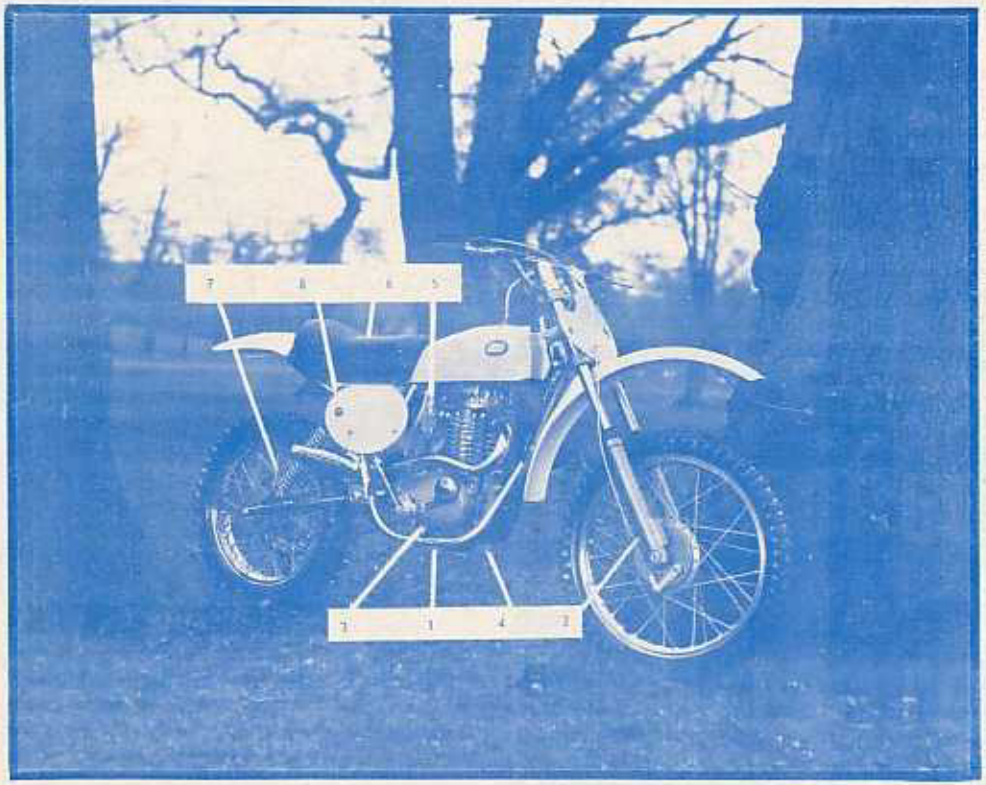


500cc and 600cc MOTO CROSS

Specification

Engine	500	600
Type	Four stroke single cyl. & g/box en bloc	
Displacement	498cc 84 x 90	**572cc 90 x 90**
B.H.P.	45 @ 6500rpm	**53 @ 6200rpm**
Comp. Ratio	10·24–1	**10–1**
Lubrication System	Full flow filter in frame, pressure feed to rockers and cam	
Ignition System	Total loss or Alternator electronic Capacitive Discharge. Long pulse. High output	
Gear Ratios	1·00 1·24 1·64 2·18 (2·65 Alternative)	

CHASSIS—T45 light gauge tubing T.I.G. and bronze welded sealed taper roller steering. Oil in frame, Plastic fenders, CCM gas dampers, Adjustable damping front forks, Rear wheel movement 9" (229mm), Front wheel movement 8·5" (216mm), Wheelbase 57·5" (146cm) Weight 220lbs (100 Kilo) approx.

1976 MODEL FEATURES

1. Redesigned frame based on 1975 works developments.
2. Adjustable damping forks with two rate springs, magnesium slides and yokes.
3. New style engine cases in magnesium alloy.
4. High ratio primary drive for extra gearbox reliability.
5. Amal 2900 series carburetor rubber mounted.
6. Restyled softer seat.
7. CCM gas dampers with improved valving and two rate springs.
8. Improved long pulse electronic ignition.
9. Restyled alloy tank.

CCM BRITAIN

CLEWS COMPETITION MACHINES BRITAIN LTD.

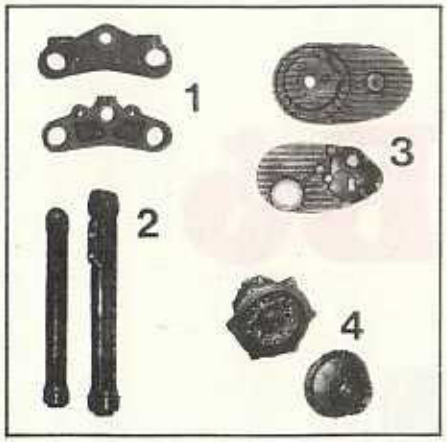
48 SHIFFNALL STREET
BOLTON BL2 1BZ
ENGLAND
Tel. 0204 22720

Telex

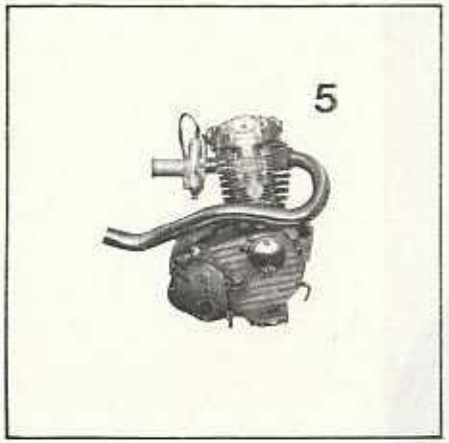
CCM BRITAIN

B5 & B6

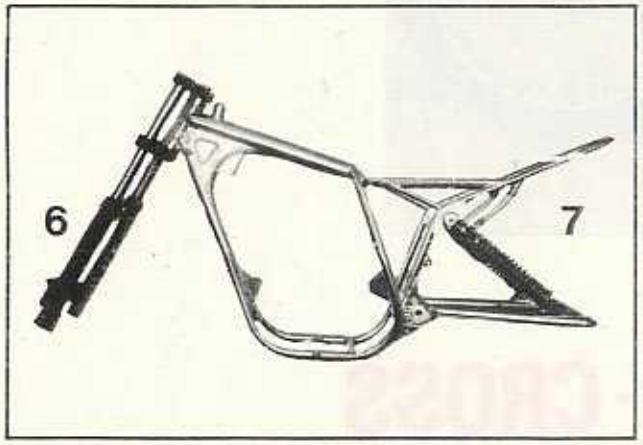
500cc and 600cc MOTO·CROSS



1 These components are manufactured from magnesium elektron to give the
2 best possible strength-weight ratio. A weight saving of four times that
3 of steel and two thirds of aluminium is achieved whilst increasing heat
4 dissipation properties.



5
- Grande Prix proved 4 stroke motor with lightened internals.
- Wide power band saves gear changing.
- New oil system incorporating full flow paper filter with pressure feed to rockers and cam.
- New type impregnated foam filter in easy access air box.



- The highest strength weight ratio frame in the world has better welded joints than any other.
- 8" movement front and rear suspension with world's first fully adjustable bump and rebound damping on front fork.
- Rear shocks are inter connected to frame loop reservoir for fade free damping.

CCM RESERVE RIGHT OF SPECIFICATION CHANGE

Specification

ENGINE	500	600
type	four stroke single	
displacement	498 cc	573 cc
bore & stroke	88 x 82	90 x 90
B.H.P.	45 @ 7000	50 @ 6500
comp. ratio	10. 3 - 1	10. 2 - 1
staggered fin head and barrel elektron alloy sidecases		
lubrication system	full flow filter in frame pressure feed to rockers and cam.	
ignition system	total loss or generator electronic type. High output.	
gear ratios	1.00 1.24 1.64 2.18	
final drive	14/54	15/54

FRAME T45 Light Gauge Tubing. T.I.G. and bronze welded, taper roller steering.

fuel tank	1.6 gall.
oil in frame	5 pints Castrol R40
oil in gearbox	0.5 pints Castrol E.P. 90
rear fender and airbox in fibreglass	
front fender unbreakable plastic	
braced lightweight handlebars	
chain	Renold 5/8" x 1/4"
dampers	Koni — CCM
swing arm	long movement with needle roller pivot.
weight	100 kilo
wheelbase	57.5 Ins.

CAUTION — Use only Castrol R40 in engine.

Clews Competition Machines,
48 Shiffnall Street,
Bolton BL2 1BZ
ENGLAND
Bolton 22720