

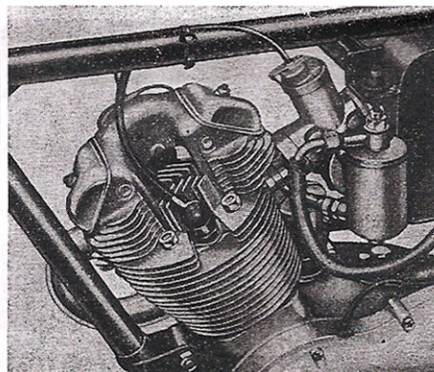
HIGH PERFORMANCE CONVERSION COMPONENTS AVAILABLE FOR THE

TRIUMPH Tiger Cub

(T20C COMPETITION)

The undermentioned parts list details the necessary items required to convert the T20 to the 'High Performance' condition, and relates to the basic T20C (Competition) Cub only.

New Items	Description	No. Off	Replaces	No. Off	Remarks
ENGINE					
CPI72	Piston Assembly. 9 : 1 complete with rings, gudgeon pin, circlips, etc.	1	CPI41	1	Theoretical Valve Timing Tappets set to zero adjustment I.O. 59° E.O. 85° I.C. 81° E.C. 55°
E3958	Piston 9 : 1	1	E3358	1	
E3959	Compression Ring, Top	1	E656	1	
E3960	Compression Ring, 2nd	1	E3048	1	
E3961	Oil Control Ring	1	E3387	1	
E3962	Camshaft	1	E3183	1	NOTE : E3662 Cylinder Head fitted to machines after T.20 45086 can be converted by the owner as the casting was then modified to allow a greater inlet port bore.
E4050	Cylinder Head	1	E3662 E3957	1	
E3208	Valve Guides	2	E3208	2	NOTE : The latest condition of these guides are shortened $\frac{1}{8}$ " to $\frac{1}{16}$ " from the top of the circlip groove to the top face to allow greater rocker movement with the E3962 camshaft. Now standard on all Cubs from Engine No. 45312.
E3963	Inlet Valve	1	E3146	1	
E3965	Valve Spring, Inner	2	E3214	2	
E3966	Valve Spring, Outer	2	E3215	2	
E3964	Cup, Bottom	2	E3213	2	
E3986	Adaptor, Carb. to Head	1	E3954	1	
E4051	Joint Washer	1	E3250	1	
W103	Nut, Carb. adaptor Stud	2	F874	1	
GEARBOX					
T1568	Sprocket Gearbox 19T	1	T1513/16	1	If this sprocket is required to obtain the chosen ratio, note that from Eng. No. 42865 sufficient clearance has been provided on the standard crankcase, otherwise the clearance will have been provided.
T1565	Mainshaft High Gear Assy. (27T)	1	T1514	1	
T1572	Layshaft High Gear Assy. (18T)	1	T1091	1	
PRIMARY DRIVE					
The following components may not be required if the chosen ratio can be obtained using the existing 19/48 $\frac{3}{8}$ " Duplex chain already on the machine (see tables in this Bulletin giving $\frac{1}{2}$ " pitch 18/36 combination, and a similar table for the $\frac{3}{8}$ " Duplex chain at the end of this components list).					
E3581	Sprocket Engine 18T	1	E3912	1	(To suit $\frac{1}{2}$ " pitch Primary chain).
W954	Distance Piece Sprocket	1	E3913	1	
T1341	Clutch Complete	1	T1493	1	(To suit $\frac{1}{2}$ " pitch Primary chain).
Consisting of :—					
T1343	Clutch Housing and Sprocket (36T) complete	1	T1509	1	
T1294	Driving Plates	3	T1503	3	
(All other components common to both T1341 and T1493 clutches)					
D338	Chain Primary $\frac{1}{2}$ " pitch 48 links	1	D382	1	
CARBURETTER					
376/217	Amal type 376, $\frac{1}{2}$ " choke ("chopped off" float chamber, and complete with single base feed banjo). Note: The Part No. 376/217 includes the Remote Float Chamber as under : Float chamber (remote) type 14 complete with single top feed banjo and special top nut E3990 and E3989 mounting rod (2BA)	1	ZENITH 17 MX	1	
E4052	Bolt Carb. to adaptor	2	Addit.		To be welded to frame top tube $6\frac{1}{2}$ " forward of centre line of seat tube on drive side.
S25—3	Washer, bolt, carb. to adaptor	2	Addit.		
F4547	Float chamber bracket Assy.	1	Addit.		
E3987	" METALASTIC " mounting	1	Addit.		
E4054	Bolt, metalastic mounting	2	Addit.		
E4053	Washer, metalastic mounting	2	Addit.		
T1017	Nut, metalastic mounting	2	Addit.		
H745	Nut, Float chamber mounting rod	3	Addit.		
F4541	Petrol pipe assy., carb. to float bowl	1	Addit.		
F4553	Petrol Pipe Assy., tank to float bowl	1	F4470		
D420	Throttle Cable	1	D406	1	
ADDITIONAL ITEMS IF REQUIRED					
E3257	Exhaust Pipe (downsweep)	1	E3883	1	
E3967	Extension (Straight through) Exhaust Pipe	1	E3840	1	
R49	Spark Plug	1	HN F80 or N7	1	
For sprocket sizes and Part Nos. see this Bulletin, Table 4.					
D341	Chain, Rear, $\frac{1}{2}$ " pitch 116 links	1	D277	1	
E4048	Plug, gearbox, gear indicator boss	1	E3280	1	To be fitted to seal gearbox when indicator cable is removed



Carburettor Float Bowl and Feed Pipe Layout using the later 'Kit' components

Table 2 (continued)

Overall Gear ratio using 19/48 Teeth combination $\frac{3}{8}$ " Pitch Primary Rear Wheel Sprockets