

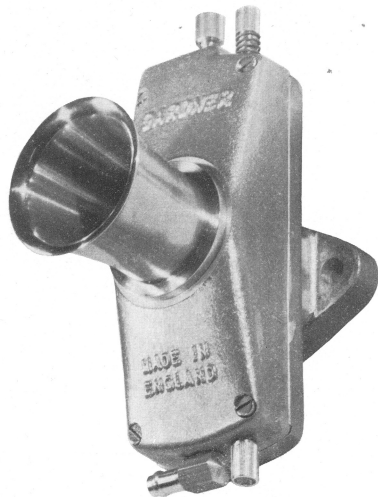
THE GARDNER CARBURETTOR CO. LTD.

45 NEWPORT ROAD

BURGESS HILL SUSSEX

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## THE GARDNER



'400'

# THE GARDNER '400' CARBURETTOR

The '400' range operates on the same principle as earlier Gardner carburettors, all stages of tune being controlled by the patented Gardner flat profile needle assembly. The '400' is basically a road-racing carburettor although it can be fitted to most roadsters. A remote float chamber is recommended although it is possible to run a '400' without a float chamber for roadster use only. When used without a float the mixture will lean off slightly as the tank fuel level falls and it is necessary to turn off the fuel tap every time the engine is stopped. No cold start is fitted but it is a simple matter to raise the needle by two turns of the adjuster for this purpose. A throttle stop is provided in the '400' plus a choice of left or right hand cable holes in the slide housing. Gardner carburettors are specified as original equipment by a growing number of British and Continental Manufacturers and are being used by many leading riders.

## TUNING

Tuning could hardly be simpler. It is done by a knurled adjuster on the top of the carburettor body. Screwing the adjuster in weakens the mixture while screwing outwards richens it. The profile of the needle is held in its correct position by means of a spring loaded plunger. This locates onto a flat surface which is machined onto the adjuster and in this position the needle angle is as marked on the adjuster. It is most important that the adjuster is always set so that the flat on the plunger is to the left side of the carburettor and it can be felt to click into this position. When altering the tune the adjuster must be turned a full turn (360°) each time. GARDNER carburettors are despatched with the correct needle and adjuster assembly for the required machine. However, racing machines tend to vary rather a lot in the stages of tune, and if it is found that the carburation is not quite right and cannot be corrected on the adjuster, a range of alternative needles and adjusters are available.

MODEL	CHOICE SIZE	BODY	FRONT	FIXING	RECOMMENDED RETAIL PRICE	DECIMAL
425	1"	STD FLANGE FACE TO JET 1½"	STD BEI MOUTH END TO JET 1½"	FLANGE 2" STUD CENTRES	£10	£10
427	1¼"	"	"	"	£10. 10.	£10. 50
427LB	"	3"	"	"	£11. 0.	£11.
428	1½"	STD	"	"	£10. 10.	£10. 50
428LB	"	3"	"	"	£11. 0.	£11.
430	1¾"	STD	"	"	£10. 10.	£10. 50
430LB	"	3"	"	"	£11. 0.	£11.
432	1¾"	STD	"	"	£10. 10.	£10. 50
432LB	"	3"	"	"	£11. 0.	£11.
432LP	"	STD	2½"	"	£11. 0.	£11.
434	1½"	"	STD	"	£11. 0.	£11.
434LP	"	"	2½"	"	£12. 0.	£12.
435	1½"	STD FLANGE FACE TO JET 2¼"	STD	FLANGE 2½"/16" STUD CENTRES	£15. 0.	£15.
435LP	"	"	3"	"	£16. 0.	£16.
438	1½"	"	STD	"	£15. 0.	£15.
438LP	"	"	3½"	"	£16. 0.	£16.