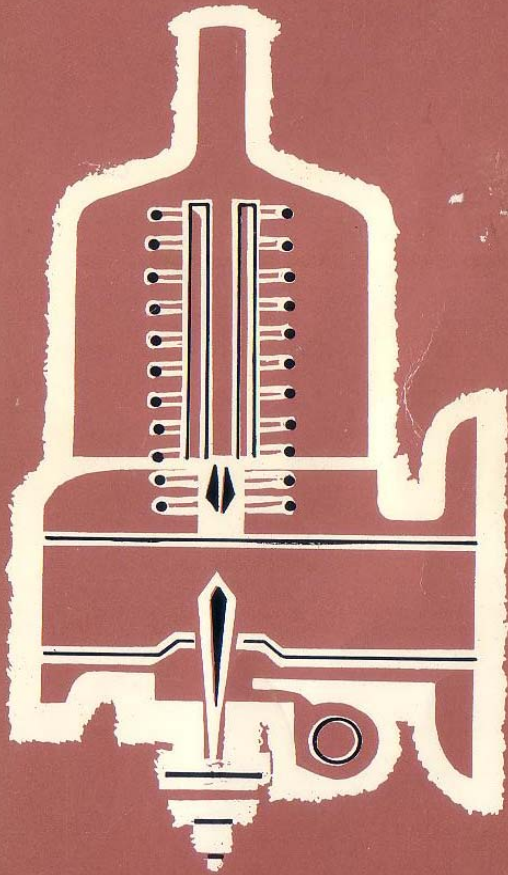


TUNING S.U. CARBURETTORS

INCLUDING FULL NEEDLE CHARTS

3rd
edition



Speedsport

Introduction

CONTENTS

Chapter		Page No.
1	INTRODUCTION	7
2	DESCRIPTION OF THE CARBURETTER	8
	Choke and mixture control	10
	The suction chamber assembly	14
3	MAINTENANCE, OVERHAULING AND FAULT FINDING	16
	Float chamber	17
	Fault finding chart	18
4	MIXTURE REQUIREMENTS	19
	Standard engine, single carburetter setting up	22
	Tuning multi carburetter set ups	25
	Variations on basic setting up	28
	Setting up SU's on tuned engines	29
	Supercharged engines	36
5	BURNING CHARACTERISTICS OF DIFFERENT MIXTURES	38
6	SIZE SELECTION OF SU CARBURETTER FOR A GIVEN APPLICATION	39
	Effect of air filters and ram pipes	41
7	THE USE OF SPECIAL RACING FUELS IN SU's	43
8	DISMANTLING AND ASSEMBLY	45
	Jet centring	53
	Routine cleaning	54
9	EMISSION CONTROL MODELS (USA, Canada and other ECE countries)	57
APPENDIX 1	SU APPLICATION TABLES	
APPENDIX 2	SU CARBURETTER SPECIFICATIONS	
APPENDIX 3	NEEDLE PROFILES	