

[Table Of Contents](#)

Acknowledgments

Introduction

What is a Workbench® Book?

Chapter 1:

Holley History, Models and Serial Numbers

Holley ID System

Baseplate Bolt Pattern

Air-Cleaner Base

Chapter 2:

Holley Carburetor Operation

Booster Venturi

Jets

Idle Circuit

Main Metering

Power Valve

Venting

Accelerator Pump

Fuel Inlet

Mechanical versus Vacuum Secondary Operation

Chapter 3:

Carburetor Selection and Setup Tips

Selecting Carburetor Size

Carburetor Linkage

Vacuum Fittings

Chokes

Chapter 4:

Tools and Equipment

Basic Hand Tools

Specialty Tools

Chemicals

Drill Bits

Torque Wrench

Cleaning Chemicals

Media Blasting

Measuring Tools

Chapter 5:

Carburetor Disassembly

Fuel Inlet Removal

Fuel Bowl Removal

Metering Bowl Disassembly

Float Removal

Needle and Seat Removal

Accelerator Pump Removal

Accelerator Pump Discharge Nozzle Removal

Jet Removal

Power Valve Removal

Overflow Whistle Removal

Mixture Screw Removal from Metering Block

Choke Assembly Removal

Vacuum Secondary Diaphragm Removal

Main Body and Baseplate Separation

Chapter 6:

Cleaning and Inspection

Solvents

Cracks and Pinholes

Baseplate

Main Body

Power Valve

Throttle Plates

Choke Fast-Idle Cam

Throttle Shaft and Shaft Bearings

Idle and Main Well Passages and Emulsion Tubes

Accelerator Pump Diaphragm

Needle and Seat Assembly

Main Jets

Discharge Nozzles

Carburetor Renewal Kits

Chapter 7:

Assembly

Main Body to Throttle Body Baseplate

Metering Block Assembly

Accelerator Pump Installation

Float Installation

Metering Block Installation

Fuel Bowl Installation

Discharge Nozzle Installation

Choke Installation

Vacuum Secondary Installation

Secondary Metering Plate Installation

Carb-to-Intake Installation

Chapter 8:

Preparation and Tuning

Torque Requirements

Linkage Setup

Engine Pre-Start Requirements

Emergency Precautions

Vacuum Leaks

Throttle Operation

Fuel Pressure

Carburetor Plumbing Techniques

Dyno Testing Your Setup

Pre-Oiling a Fresh Engine

Air Cleaners

Float Height

Idle Mixture

Engine Bogs

Power Valve

Tuning Vacuum Secondary Operation

Appendix:

Holley Carburetor Models, Part Numbers and Features

Source Guide