



Table Of Contents

Preface

What is a *Workbench* Book?

Chapter 1: The Honda B-Series (Before YouBegin)

Introduction of the B-Series

The B16 Family

The B17 Family

The B18 Family

The B20 Family

What You Need to Know

OBD Differences

Chapter 2: Engine Disassembly

Planning the Rebuild

The Teardown Process

Chapter 3: Inspection and Decision Making

Pistons

Connecting Rods and Crankshaft

Block

Cylinder Head

Spark Plug Inspection

Chapter 4: Choosing Parts

Pistons

Rods

Crankshaft

Stroker Kits

Bearings

Block Guard

Sleeving

Head Work

Valves, Valvesprings and Retainers

Camshafts

Cam Gears

Head Studs

Headers

Intake Manifold

Throttle Body

Fuel Rail

Fuel Pressure Regulator

Suggestions

Chapter 5: Machine Shop

Prepping the Block

The Deckign Process

The Boring Process

The Honing Proces

Refinishing the Cylinder Head

Resurfacing the Head

Installing the New Valvetrain

New Pistons

Chapter 6: Reassembly Preparation

Chapter 7: Engine Reassembly

Chapter 8: Start-Up

Appendix A: Part Codes

Appendix B: Crankshaft Main Journal & Bearing Identification Codes

Appendix C: Connecting Rod Journal & Bearing Identification Codes

Appendix D: Main Bearing Cap Tightening Sequence

Appendix E: Cylinder Head

Tightening Sequence

Appendix F: Tightening Camshaft Bolts

Work-A-Long Sheet