



1975-79 MITCHELL[®] ENGINE PERFORMANCE SERVICE & REPAIR

DOMESTIC CARS

ENGINE IDENTIFICATION
Section E

TUNE-UP SPECIFICATIONS
Section T

TUNE-UP PROCEDURES
Section 1

COMPUTERIZED ENGINE CONTROLS
Section 1a

FUEL SYSTEMS
Section 2

EXHAUST EMISSION SYSTEMS
Section 3

DISTRIBUTORS & IGNITION SYSTEMS
Section 4

Mitchell[®]

The Leader in Professional Estimating and Repair Information.



Mitchell International

ACKNOWLEDGMENT

Mitchell International thanks the domestic manufacturers, distributors and dealers for their generous cooperation and assistance which make this manual possible.

Chrysler Motors
Ford Motor Company
General Motors Corporation

MARKETING

Director
David R. Koontz

EDITORIAL

Senior Vice President
& Editor-in-Chief
Larry Laumann

Manager, Annual Data Editorial
Thomas L. Landis

Manager, Special Product Editorial
Ronald E. Garrett

Senior Editors
Daniel D. Fleming
Chuck Vedra
Ramiro Gutierrez
John M. Fisher
Tom L. Hall
James A. Hawes
Serge G. Pirino

Technical Editors
Scott A. Olsen
Bob Reel
David W. Himes
Alex A. Solis

Technical Editors (Cont.)

Donald T. Pellettera
David C. Rust
Reginald L. Baldwin
Michael C. May
KC Rosendale
Scott A. Tiner
James R. Warren
James D. Boxberger
David M. Finley
Raymond C. Day
Bobby R. Gifford
Linda M. Murphy
Tim P. Lockwood
Dave L. Skora
James A. Wafford
Wayne D. Charbonneau

WIRING DIAGRAMS

Manager
Matthew Krimple
Senior Editor
Lloyd Adams
Electrical Editors
Leonard McVicker
Santiago Llano
Harry Piper
Richard B. Speake
Robert Klempan

QUALITY ASSURANCE

Manager
Daryl F. Visser
Sr. QA Specialist
Nick DiVerde
QA Specialists
Trang Nguyen
Brian W. Hutchins
Julia A. Kinneer
Julia R. Selverstone

BOOK PRODUCTION

Roger Leftridge

TECHNICAL LIBRARIAN

Charlotte Norris

PRODUCT SUPPORT

Supervisor
Patrick G. San Nicolas
Product Specialists
Robert L. Rothgery
William E. Bond

GRAPHICS

Manager
Judie LaPierre
Supervisor
Ann Klimetz

Published By

MITCHELL INTERNATIONAL
9889 Willow Creek Road
P.O. Box 26260
San Diego, California 92196-0260

ISBN 0-8470-0213-6

Copyright © 1989 Mitchell International
All Rights Reserved

Customer Service Numbers:

Subscription/Billing Information:
1-800-648-8010 or 619-578-6550

Technical Information:
1-800-854-7030 or 619-578-6550

Or Write: P.O. Box 26260, San Diego, CA 92196-0260

DISCLAIMER OF WARRANTIES: Although the information contained within this volume has been obtained from sources generally believed to be reliable, no warranty (expressed or implied) can be made as to its accuracy or completeness, nor is any responsibility assumed by Mitchell International or anyone connected with it for loss or damages suffered through reliance on any information contained in this volume.

SPECIFICALLY, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS MADE OR TO BE IMPLIED WITH RESPECT TO THIS VOLUME AND ITS CONTENTS.

In no event will Mitchell International be liable for any damages, direct or indirect, consequential or compensatory, including, without limitation, lost profits, for any representations, breaches or defaults arising out of the use of this volume. Customer agrees to indemnify Mitchell International and hold it harmless against all claims and damages, including without limitation, reasonable attorney's fees arising out of the use of this volume, unless such claims or damages result from the infringement of any copyright or other proprietary right of any third party.

INTRODUCTION

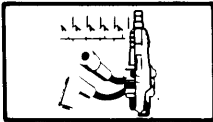
This is the 1975-79 Supplement to Mitchell's DOMESTIC CAR ENGINE PERFORMANCE SERVICE & REPAIR manual. In it you will find complete service information for Tune-Up, Computerized Engine Controls, Fuel Systems, Exhaust Emission Systems, and Distributors & Ignition Systems. This combination provides the most comprehensive and detailed information available on these subjects.

FINDING THE INFORMATION

To find information for the vehicle on which you are working, simply turn to the contents page located at the beginning of the appropriate section. Here you will find alphabetical listings of vehicle manufacturers and models grouped according to subject. Just determine the proper page number, and turn to the corresponding article.

DESCRIPTION OF SECTIONS

TUNE-UP SPECIFICATIONS



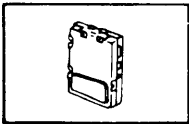
In this section you will find all Tune-Up specifications listed in chart form. This section can be used for fast reference of Ignition or Fuel system specifications.

TUNE-UP PROCEDURES



The TUNE-UP PROCEDURES section is divided alphabetically by manufacturer and then by engine size. Included in this section are Engine Identification, Engine Compression specifications, Valve Clearance specifications, as well as Tune-Up procedures.

COMPUTERIZED ENGINE CONTROLS



The COMPUTERIZED ENGINE CONTROLS section provides detailed coverage of all Computerized Engine Control Systems. Included are Trouble Shooting Charts, Diagnostic Codes and complete Wiring Diagrams for all control systems. In-depth Description and Operation information clarifies the inner workings of these complex systems.

FUEL SYSTEMS



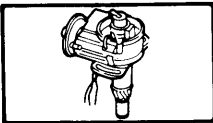
The FUEL SYSTEMS section covers such vital points of Carburetors, Fuel Injection (both gasoline and diesel), Turbocharger, Fuel Pumps and Trouble Shooting. Complete specification tables and exploded views of carburetors are included. Step-by-step procedures, supported by concise and detailed illustrations, will help you make any fuel system repair.

EXHAUST EMISSION SYSTEMS



Within the EXHAUST EMISSION SYSTEMS section you will find comprehensive information on all exhaust emission systems used on domestic passenger cars. This includes Catalytic Converters, Thermostatic Air Cleaners, EGR Systems, and Fuel Evaporation Systems. In addition, at the end of each model coverage you will find a complete Vacuum Diagram section.

DISTRIBUTORS & IGNITION SYSTEMS



In this section you will find Distributor Applications, Distributor Advance Specifications, Overhaul procedures, and Ignition System information. Coverage includes Electronic (Breakerless) Ignition Systems.