# LINCOLN COUPES AND SEDANS 1988-00 REPAIR MANUAL

Covers all U.S. and Canadian models of Lincoln Continental, Mark VII, Mark VIII and Town Car

The First Step In Repair

INCLUDES ACUUM



### LINCOLN COUPES AND SEDANS 1988-00 REPAIR MANUAL

Covers all U.S. and Canadian models of Lincoln Continental, Mark VII, Mark VIII and Town Car

by Joseph D'Orazio, A.S.E.

CHILTON Automotive
Books

PUBLISHED BY HAYNES NORTH AMERICA. Inc.





Manufactured in USA
© 2000 Haynes North America, Inc.
ISBN 0-8019-9314-8
Library of Congress Catalog Card No. 00-132-508
1234567890 9876543210

Haynes Publishing Group Sparkford Nr Yeovil Somerset BA22 7JJ England Haynes North America, Inc 861 Lawrence Drive Newbury Park

California 91320 USA

ABCDE FGHIJ KLMNO PQ

6E1

## **Contents**

	GENERAL INFORMATION AND MAINTENANCE	1-2 1-3 1-6 1-7	HOW TO USE THIS BOOK TOOLS AND EQUIPMENT SERVICING YOUR VEHICLE SAFELY FASTENERS, MEASUREMENTS AND CONVERSIONS SERIAL NUMBER IDENTIFICATION	1-13 1-33 1-45 1-46	ROUTINE MAINTENANCE FLUIDS AND LUBRICANTS JUMP STARTING A DEAD BATTERY JACKING
2	ENGINE ELECTRICAL	2-2 2-6 2-8	DISTRIBUTOR IGNITION DISTRIBUTORLESS IGNITION SYSTEM FIRING ORDERS	2-8 2-10 2-10	CHARGING SYSTEM STARTING SYSTEM SENDING UNITS AND SENSORS
3	ENGINE AND ENGINE OVERHAUL	3-2 3-42	ENGINE MECHANICAL EXHAUST SYSTEM	3-43	ENGINE RECONDITIONING
4	DRIVEABILITY AND EMISSION CONTROLS	4-2 4-6 4-14	EMISSION CONTROLS ELECTRONIC ENGINE CONTROLS COMPONENT LOCATIONS	4-17 4-21 4-27	TROUBLE CODES—EEC IV SYSTEM TROUBLE CODES—EEC V SYSTEM (OBD-II) VACUUM DIAGRAMS
5	FUEL SYSTEM	5-2 5-2	BASIC FUEL SYSTEM DIAGNOSIS FUEL LINES AND FITTINGS	5-4 5-11	GASOLINE FUEL INJECTION SYSTEM FUEL TANK
6	CHASSIS ELECTRICAL	6-2 6-7 6-7 6-9 6-15	UNDERSTANDING AND TROUBLESHOOTING ELECTRICAL SYSTEMS BATTERY CABLES AIR BAG (SUPPLEMENTAL RESTRAINT SYSTEM) HEATING AND AIR CONDITIONING CRUISE CONTROL	6-16 6-19 6-21 6-23 6-29 6-41	ENTERTAINMENT SYSTEMS WINDSHIELD WIPERS AND WASHERS INSTRUMENTS AND SWITCHES LIGHTING CIRCUIT PROTECTION WIRING DIAGRAMS

### **Contents**

7-2 7-4	AUTOMATIC TRANSMISSION AUTOMATIC TRANSAXLE	7-9	DRIVELINE	DRIVE TRAIN	7
8-2 8-4	WHEELS FRONT SUSPENSION		REAR SUSPENSION STEERING	SUSPENSION AND STEERING	8
9-2 9-5 9-10	BRAKE OPERATING SYSTEM DISC BRAKES DRUM BRAKES		PARKING BRAKE ANTI-LOCK BRAKE SYSTEM	BRAKES	9
10-2	EXTERIOR	10-6	INTERIOR :	BODY AND TRIM	10
11-2	TROUBLESHOOTING INDEX	11-6	DIAGNOSTIC PROCEDURES	TROUBLESHOOTING	11
11-25	GLOSSARY			GLOSSARY	
11-29	MASTER INDEX			MASTER INDEX	

#### SAFETY NOTICE

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles, as well as the personal safety of those performing repairs. This manual outlines procedures for servicing and repairing vehicles using safe, effective methods. The procedures contain many NOTES, CAUTIONS and WARNINGS which should be followed, along with standard procedures to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

It is important to note that repair procedures and techniques, tools and parts for servicing motor vehicles, as well as the skill and experience of the individual performing the work vary widely. It is not possible to anticipate all of the conceivable ways or conditions under which vehicles may be serviced, or to provide cautions as to all possible hazards that may result. Standard and accepted safety precautions and equipment should be used when handling toxic or flammable fluids, and safety goggles or other protection should be used during cutting, grinding, chiseling, prying, or any other process that can cause material removal or projectiles.

Some procedures require the use of tools specially designed for a specific purpose. Before substituting another tool or procedure, you must be completely satisfied that neither your personal safety, nor the performance of the vehicle will be endangered.

Although information in this manual is based on industry sources and is complete as possible at the time of publication, the possibility exists that some car manufacturers made later changes which could not be included here. While striving for total accuracy, the authors or publishers cannot assume responsibility for any errors, changes or omissions that may occur in the compilation of this data.

### PART NUMBERS

Part numbers listed in this reference are not recommendations by Haynes North America, Inc. for any product brand name. They are references that can be used with interchange manuals and aftermarket supplier catalogs to locate each brand supplier's discrete part number.

### SPECIAL TOOLS

Special tools are recommended by the vehicle manufacturer to perform their specific job. Use has been kept to a minimum, but where absolutely necessary, they are referred to in the text by the part number of the tool manufacturer. These tools can be purchased, under the appropriate part number, from your local dealer or regional distributor, or an equivalent tool can be purchased locally from a tool supplier or parts outlet. Before substituting any tool for the one recommended, read the SAFETY NOTICE at the top of this page.

#### ACKNOWLEDGMENTS

This publication contains material that is reproduced and distributed under a license from Ford Motor Company. No further reproduction or distribution of the Ford Motor Company material is allowed without the express written permission from Ford Motor Company.

All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or by any information storage or retrieval system, without permission in writing from the copyright holder.

While every attempt is made to ensure that the information in this manual is correct, no liability can be accepted by the authors or publishers for loss, damage or injury caused by any errors in, or omissions from, the information given.