

Group Index

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**TECHNICAL
PUBLICATION DEPARTMENT**
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Subjects Covered in This Manual

This 1993 Service Manual covers normal service repairs and maintenance for vehicles sold in the United States and Canada.

A separate publication, the 1993 Powertrain Control/Emissions Diagnosis Manual covers:

- Engine Controls and Diagnosis
- Transmission/Transaxle Controls and Diagnosis
- Emissions Diagnosis

How This Manual is Organized

This manual is organized by Group, Section, and Page.

Group

A Group covers a specific portion of the vehicle. The first set of numbers on each page indicate the Group.

		GROUP NUMBER (01-00-1)	
		GROUP	
		BODY 01	
SECTION TITLE	PAGE	SECTION TITLE	PAGE
BODY, GENERAL SERVICE.....	01-00-1	HANDLES, LOCKS, LATCHES AND MECHANISMS.....	01-14-1
FRONT END BODY PANELS AND STRUCTURE.....	01-02-1	FRONT WINDOW WIPERS.....	01-16A-1

NOTE: A Group usually contains more than one Section.

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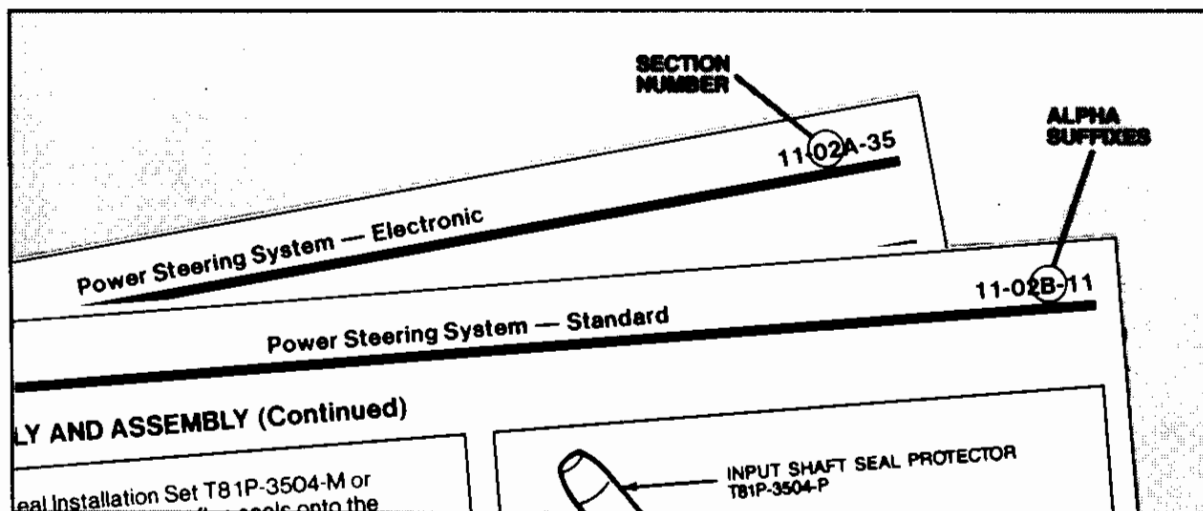
The eighteen Groups found in this manual are:

- 00 – General Service Information
- 01 – Body
- 02 – Frame and Mounting
- 03 – Engine
- 04 – Suspension
- 05 – Driveline
- 06 – Brake System
- 07 – Transmission (rear-wheel drive) or Transaxle (front-wheel drive)
- 08 – Clutch System
- 09 – Exhaust System
- 10 – Fuel System
- 11 – Steering System
- 12 – Climate Control System
- 13 – Instrumentation and Warning Systems
- 14 – Battery and Charging System
- 15 – Audio Systems
- 17 – Lighting
- 18 – Electrical Distribution

Section

Each Section covers a component or system. The second set of numbers on each page indicate the Section.

If the vehicle has more than one type of component, such as two types of engines or power steering systems, alpha suffixes are used.

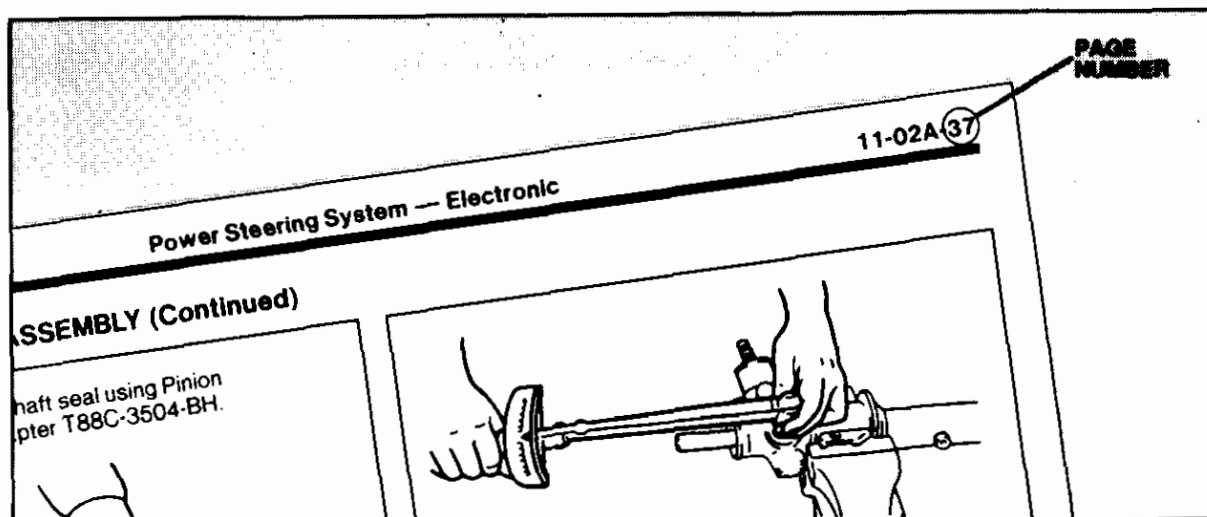


To assist in locating a subject, whenever feasible, Section titles have the subject first, followed by a descriptive word(s).

- Mirrors – Rearview
- Mirrors – Power

Page

The third set of numbers indicate the Page in each Section.



How to Find Material in This Manual

1. Locate the Group number in the Table of Contents. **If you are not sure which Section contains the information you need, look up the component/system in the alphabetical index located in the back of this manual.**
2. Locate the Section number by using the Group index located at the beginning of each Group.
3. Locate the specific Page by using the Section index at the beginning of each Section.

How to Use Each Section

Each Section has a standard organization that consists of the following information:

Vehicle Application

Identifies the product (vehicle, model, engine, transmission, etc.) that the section applies to:

- Probe GT
- Aerostar and Ranger with integral carrier and 7.5 ring gear

Description and Operation

Describes how the component or system works.

Diagnosis and Testing

Identifies how to pinpoint problems.

Removal and Installation

Describes how to remove and reinstall components and systems.

Disassembly and Assembly

Lists how to take apart the component/system, and put it back together.

Adjustments

Describes how to perform in-vehicle adjustments.

Specifications

Summarizes all the specifications used in the Section.

Special Service Tools/Equipment

Lists all the Special Service Tools and Rotunda Equipment used in the Section.

Additional headings such as General Service Procedures and Cleaning and Inspection may be used.

What's New in This Manual

You will notice that changes have been made to some of the standard terminology that was found in past Service Manuals. Changes in state or federal law have mandated terminology changes. Please refer to the J1930 Terminology List that is located in the back of this manual.

One additional feature found in this manual is the footer located at the bottom of each page. This footer denotes the vehicle model year, carline, and Service Manual print date. If a page is accidentally separated from the manual, the footer will help you determine its proper location.

What to Do if You Discover an Error

If you discover a questionable procedure or if you have any suggestions for improving this manual, please use one of the feedback forms provided in the front and back of this manual. Your feedback is very important to improving Ford technical publications. You will get a response to your concern. If necessary, a revision will be issued.

NOTE: The descriptions and specifications contained in this manual were in effect at the time this manual was approved for printing. Ford Motor Company reserves the right to discontinue models at any time, or change specifications or design without notice and without incurring any obligation.

INTRODUCTION

Important Safety Notice

Appropriate service methods and proper repair procedures are essential for the safe, reliable operation of all motor vehicles as well as the personal safety of the individual doing the work. This Service Manual provides general directions for accomplishing service and repair work with tested, effective techniques. Following them will help assure reliability.

There are numerous variations in procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the individual doing the work. This Manual cannot possibly anticipate all such variations and provide advice or cautions as to each. Accordingly, anyone who departs from the instructions provided in this Manual must first establish that he compromises neither his personal safety nor the vehicle integrity by his choice of methods, tools or parts.

Notes, Cautions, and Warnings

As you read through the procedures, you will come across NOTES, CAUTIONS, and WARNINGS. Each one is there for a specific purpose. NOTES give you added information that will help you to complete a particular procedure. CAUTIONS are given to prevent you from making an error that could damage the vehicle. WARNINGS remind you to be especially careful in those areas where carelessness can cause you personal injury. The following list contains some general WARNINGS that you should follow when you work on a vehicle.

- Always wear safety glasses for eye protection.
- Use safety stands whenever a procedure requires you to be under the vehicle.
- Be sure that the ignition switch is always in the OFF position, unless otherwise required by the procedure.
- Set the parking brake when working on the vehicle. If you have an automatic transaxle, set it in PARK unless instructed otherwise for a specific operation. If you have a manual transaxle, it should be in REVERSE (engine OFF) or NEUTRAL (engine ON) unless instructed otherwise for a specific operation. Place wood blocks (4" x 4" or larger) against the front and rear surfaces of the tires to provide further restraint from inadvertent vehicle movement.
- Operate the engine only in a well-ventilated area to avoid the danger of carbon monoxide.
- Keep yourself and your clothing away from moving parts when the engine is running, especially the fan belts.
- To prevent serious burns, avoid contact with hot metal parts such as the radiator, exhaust manifold, tail pipe, catalytic converter and muffler.
- Do not smoke while working on a vehicle.
- To avoid injury, always remove rings, watches, loose hanging jewelry, and loose clothing before beginning to work on a vehicle.
- If it is necessary to work under the hood, keep hands and other objects clear of the radiator fan blades! The electric cooling fans can start to operate any time by an increase in underhood temperature, but only when the ignition switch is in the RUN position. For this reason care should be taken to ensure that the electric cooling fan motor is completely disconnected when working under the hood when engine is not running.