


Service Manual: GENERAL INFORMATION

DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION > INTRODUCTION

 **WARNING:** Before beginning any service procedure in this article, refer to health and safety warnings in this article. Failure to follow this instruction may result in serious personal injury.

For additional information, refer to: Health and Safety Precautions .

This article describes and directs repair procedures specified by Ford Motor Company for the vehicle. Critical health and safety precautions are included. Anyone who deviates from these instructions risks compromising personal safety or vehicle integrity.

ARTICLE CONTENT

This service information is divided into articles. Article contents may include:

- Specifications
 - Fluid capacities, component specifications and torque values not covered in other procedures
- Description and Operation
 - Overview of the system, component locations, and system operation
- Diagnosis and Testing
 - Symptom charts, DTC charts and diagnostic tests
 - See the Diagnosis and Testing Information in this article
- General Procedures
 - Service adjustments, electronic programming and other special procedures
- Removal and Installation
 - Component removal and installation instructions
- Removal
 - Component removal instructions
- Installation
 - Component installation instructions
- Disassembly and Assembly
 - Component disassembly and assembly instructions

- Disassembly and Assembly of Subassemblies
 - Assembly disassembly and assembly instructions

IMPORTANT INFORMATION

General Information articles contains the following important information (including this article):

- Critical Health and Safety Precautions - service safety precautions applicable to the entire article. For additional information, refer to: Health and Safety Precautions .
- A Symbols Glossary - definitions of the action directed by each symbol. For additional information, refer to: Symbols Glossary .
- Diagnostic Methods - support information for diagnostics.

DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION > WARNINGS, NOTICES AND NOTES

WARNINGS

Warnings provide information to avoid personal injury and to make sure service actions on critical safety systems are performed correctly. Warnings that apply to an entire system or service information article are located in Health and Safety Precautions .

NOTICES (in some publications, CAUTIONS)

Notices provide information to avoid damage to the vehicle or a component.

NOTES

Notes provide information critical for a complete and effective repair.

Warnings, Notices, or Notes that apply to an entire procedure will be placed at the beginning of the procedure. Warnings, Notices, or Notes that apply to a single step are placed at the beginning of the step. Those that apply to a group of steps will be placed at the first step requiring it.

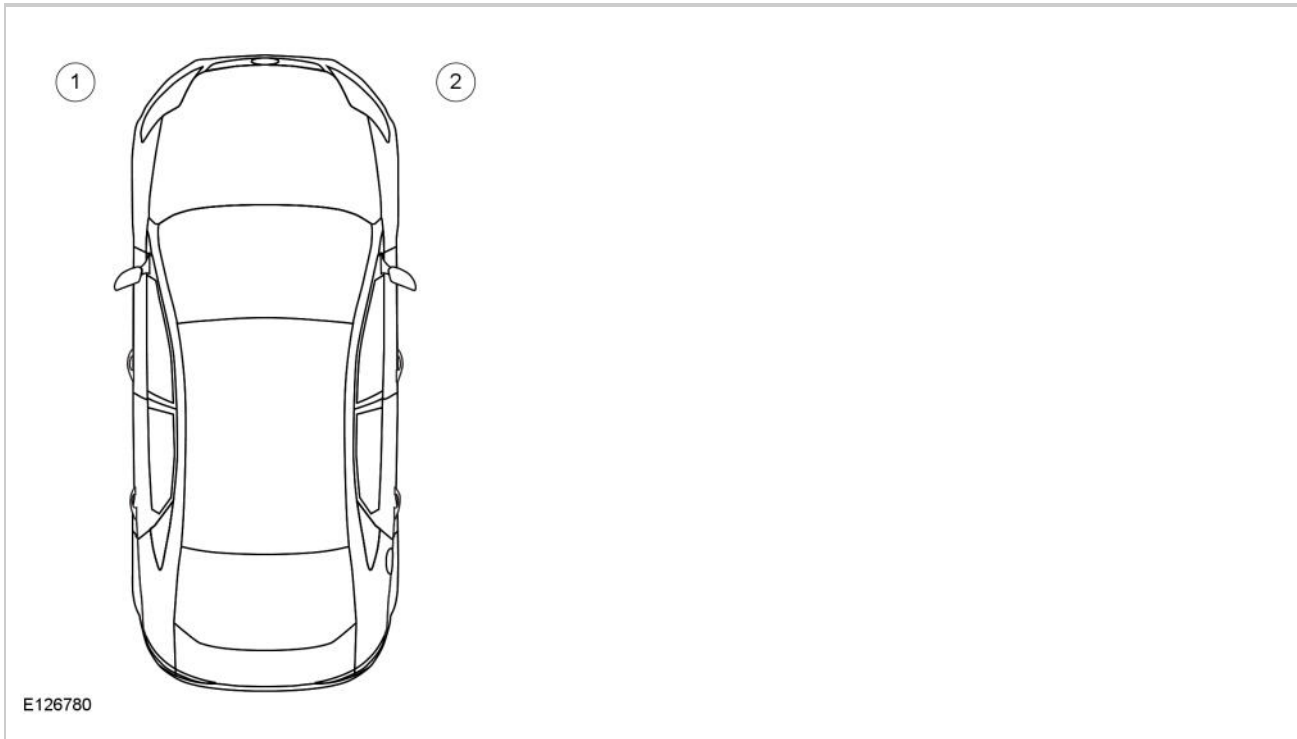
DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION > SPECIFIED CHEMICALS OR MATERIALS

Throughout this service information, chemicals or materials are specified that must be used to properly complete a service procedure or diagnostic step. In the event a specific material is not readily available, a substitute material meeting the same specification may be used. Ford has not reviewed third party products for compliance with environmental, health or safety regulations and is not responsible for their use. Use of third party products is at your own risk. Additionally, such products may cause degraded performance, premature failures, and/or vehicle component damage. All chemicals or materials used for vehicle servicing should be checked for compliance with local environmental and health and safety regulations.

DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION > LH AND RH DESIGNATIONS

All LH and RH designations are oriented from the driver's seat position looking forward.

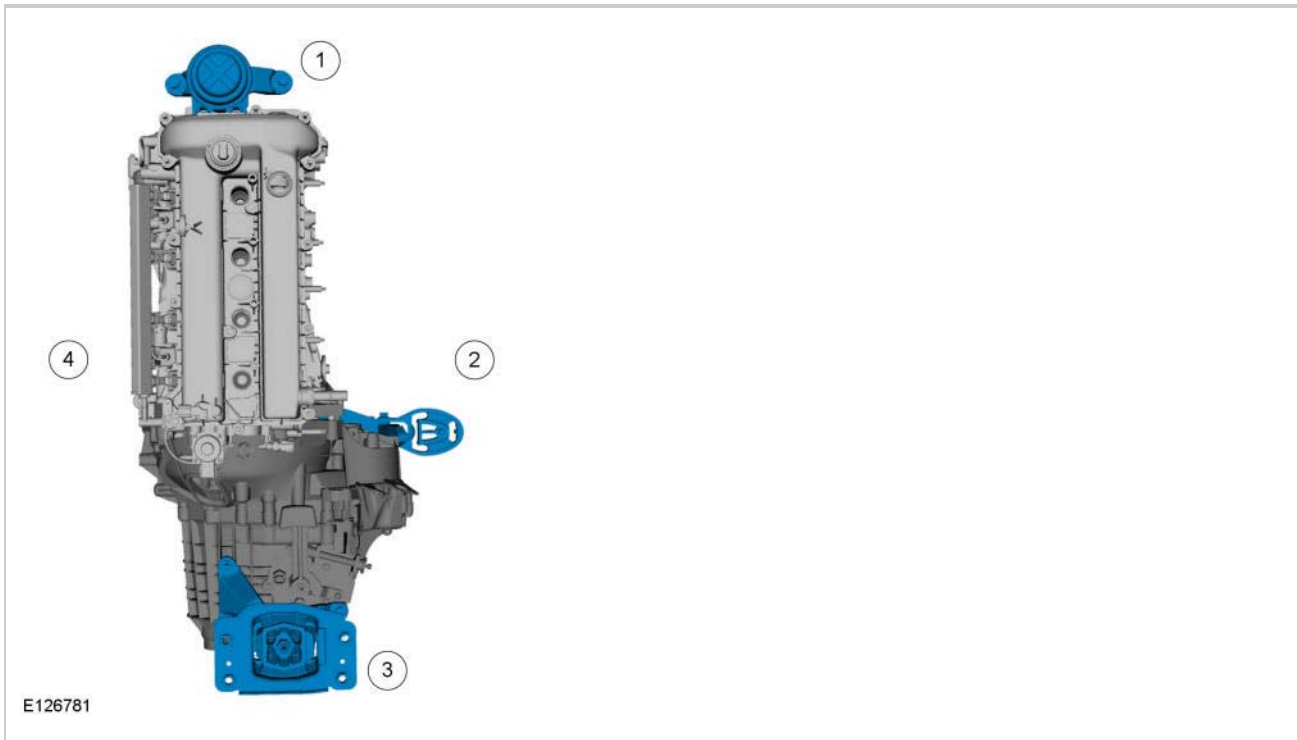
Vehicle LH and RH definition



Item	Part Number	Description
1	-	LH (left-hand)
2	-	RH (right-hand)

All LH and RH engine designations are oriented from the flywheel position looking toward the crankshaft pulley.

Powertrain LH and RH definition



Item	Part Number	Description
1	-	Front
2	-	RH (right-hand)
3	-	Rear
4	-	LH (left-hand)

DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION > STANDARD PRACTICES

The following rules apply, unless specified differently in the procedure:

FASTENERS

- Reuse standard fasteners.
- Replace fasteners with self-locking features.
 - Examples of fastener self-locking coatings or mechanical locking (with the locking features highlighted yellow) are shown in the illustration.
- Replace fasteners with torque angle specifications (those tightened a specified number of degrees).

Examples of self-locking nuts and bolts



Item	Part Number	Description
1	-	Completely coated self-locking bolt
2	-	Partially coated self-locking bolt
3	-	Self-locking bolt with a locking washer
4	-	Self-locking nut with a plastic locking insert
5	-	Self-locking nut with thread deformation (3 indentations)
6	-	Self-locking nut with thread deformation (to oval shape)
7	-	Self-locking nut with integrated locking ring

SEALS AND GASKETS

Replace seals and gaskets, unless specified differently in the procedure.

EXTERIOR TRIM PARTS

Replace exterior trim parts fastened with glue or adhesive tape, unless specified differently in the procedure.

DESCRIPTION AND OPERATION > ABOUT THIS SERVICE INFORMATION > MECHANICAL PROCEDURES

Illustrations in this service information may be used instead of written step instructions. Color-coding (see color scheme illustration) is used to communicate the required step action or actions. Service action icons may be used to add information regarding the required action. For additional information, refer to: Symbols Glossary .

Illustration Color-coding

It's a preview. You can download the full file by clicking the link below.

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