

WORKSHOP REPAIR MANUAL WIRING DIAGRAMS



FOREWORD

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Workshop Manual

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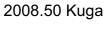




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General Information

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SECTION 100-00 General Information

VEHICLE APPLICATION: 2008.50 Kuga

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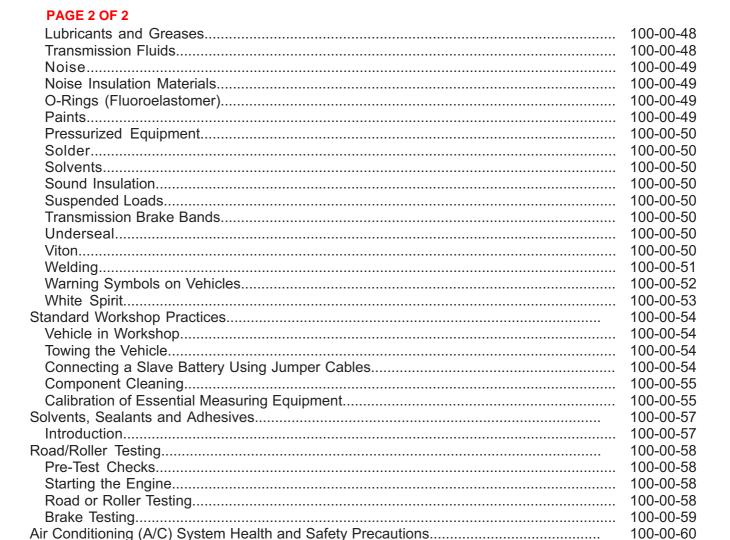
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DESCRIPTION AND OPERATION

About This Manual

Introduction

This manual covers diagnosis and testing and repair procedures.

It is structured into groups and sections, with specific system sections grouped together under their relevant group.

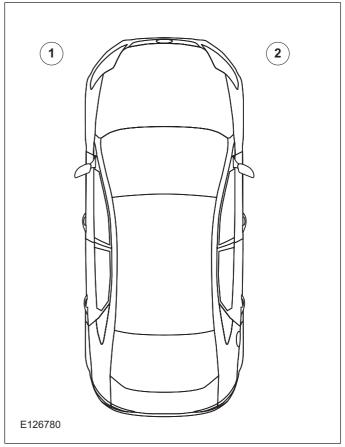
A group covers a specific portion of the vehicle. The manual is divided into five groups, General Information, Chassis, Powertrain, Electrical and Body and Paint. The number of the group is the first number of a section number.

Within Etis, the navigation tree will list the groups. After selecting a group the navigation tree will then list the sections within that group. Each section has a contents list detailing Specifications, Description and Operation, Diagnosis and Testing, General Procedures, Disassembly and Assembly, Removal and Installation.

References to LH (left-hand) and RH (right-hand)

All LH and RH references to the vehicle are taken from a position sitting in the driver seat looking forward.

Vehicle LH and RH definition



Item	Description
1	LH
2	RH

All LH and RH references to the engine are taken from a position at the flywheel looking towards the crankshaft pulley.







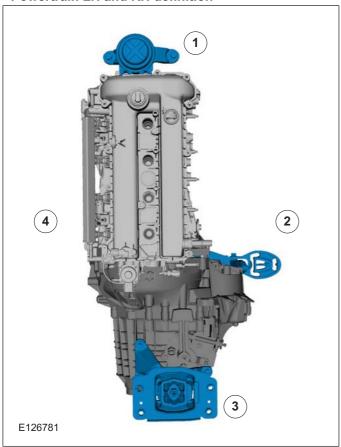
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DESCRIPTION AND OPERATION

Powertrain LH and RH definition



Item	Description
1	front
2	right hand
3	rear
4	left hand

How to use Repair Procedures

This manual has been written in a format that is designed to meet the needs of technicians worldwide. It provides general descriptions for accomplishing repair work with tested and effective techniques.

Important Safety Instructions

Appropriate service methods and correct repair procedures are essential for the safe and reliable operation of all vehicles as well as the personal safety of the individual carrying out the work.

Anyone who departs from the instructions provided in this manual must first establish that personal

safety or vehicle integrity is not compromised by the choice of method, tools or components.

Warnings, Cautions and Notes in This Manual



WARNING: Warnings are used to indicate that failure to follow a procedure correctly may result in personal injury.



CAUTION: Cautions are used to indicate that failure to follow a procedure correctly may result in damage to the vehicle or equipment being used.

NOTE: Notes are used to provide additional essential information required to carry out a complete and satisfactory repair.

Generic warnings or cautions are in their relevant description and operation procedure within section 100-00. If the generic warnings or cautions are required for a procedure, there will be a referral to the appropriate description and operation procedure.

If a warning, caution or note only applies to one step, it is placed at the beginning of the specific step.

Global Authoring Standards (GAS) Repair **Procedures**

NOTE: GAS style procedures can be identified by steps that have no accompanying step text and the magenta color of the electrical connectors and fasteners such as nuts, bolts, clamps or clips.

A GAS removal and installation procedure uses a sequence of color illustrations to indicate the order to be followed when removing/disassembling or installing/assembling a component.

Many of the GAS procedures will have the installation information within the removal steps. These procedures will have the following note at the beginning of the procedure:

NOTE: Removal steps in this procedure may contain installation details.

Reuse of fasteners and seals and gaskets

The following list details the general policy for the reuse of fasteners and seals and gaskets.







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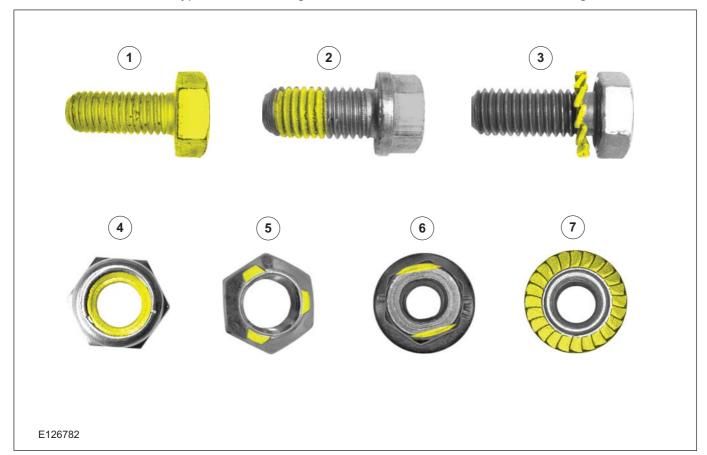
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DESCRIPTION AND OPERATION

Types of self-locking nuts and bolts

NOTE: There are more types of self-locking fasteners available than shown in following illustration.



Item	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 identations)
6	Self-locking nut with thread deformation (to oval shape)
7	Self-locking nut with integrated locking ring

- All types of seals and gaskets must be discarded and new seals and gaskets installed unless otherwise stated within the procedure.
- Nuts and bolts with a chemical coating for locking and/or sealing and/or antiseize must be discarded unless the procedure advises to reapply the coating with a specified material.

- Nuts and bolts with a mechanical locking such as thread inserts, thread deformation or locking washers must be discarded and new nuts and bolts installed unless otherwise stated within the procedure.
- Torque to yield bolts must be discarded and new torque to yield bolts installed unless otherwise stated within the procedure, recognizable by a tightening torque with more than one stage together with a torque angle.

Reuse of exterior trim parts

All type of glued exterior trim parts or parts fastened with adhesive tape must be discarded and new parts installed unless otherwise stated within the procedure.

Specification data

Specification procedures will only contain technical data that is not already part of a repair procedure.

Sequence of tasks

If components must be removed or installed in a specific sequence, the sequence will be identified







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DESCRIPTION AND OPERATION

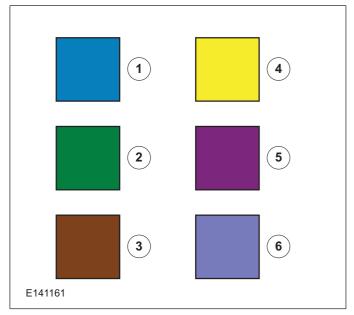
numerically in a graphic and the corresponding text will be numbered accordingly.

Special Tools, Equipment, Materials and Torque Figures

Special tools will be shown with the tool numbers in the illustration. The special tool numbers, general equipment, materials and torque figures used for the procedure step will be shown in the text column.

GAS Graphics

NOTE: Colors used in the graphic are as follows:



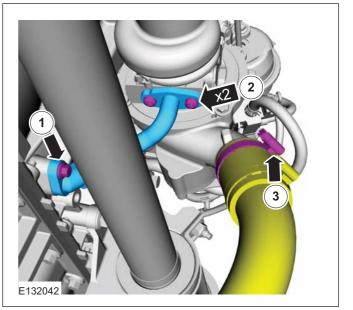
Item	Description
1	Blue - Target or primary component to be removed/installed (or disassembled/assembled).
2	Green - Components that need to be removed prior to or installed after the target/primary.

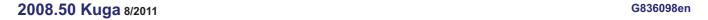
Item	Description
3	Brown - Components that need to be removed prior to or installed after the target/primary.
4	Yellow - Components to be set aside only, that remains in the vehicle. Also highlighted areas to inspect or adjust.
5	Magenta - Electrical connectors and fasteners such as nuts, bolts, clamps, or clips to be: detached, attached, loosened, moved, removed or installed.
6	Pale Blue - Special tool(s), general equipment, or common tools (used in an uncommon way).

One illustration may have multiple steps assigned to it.

Numbered pointers are used to indicate the number of electrical connectors and fasteners such as nuts, bolts, clamps and clips.

Items in the illustration can be transparent or use cutouts to show hidden details.









TO MODEL INDEX



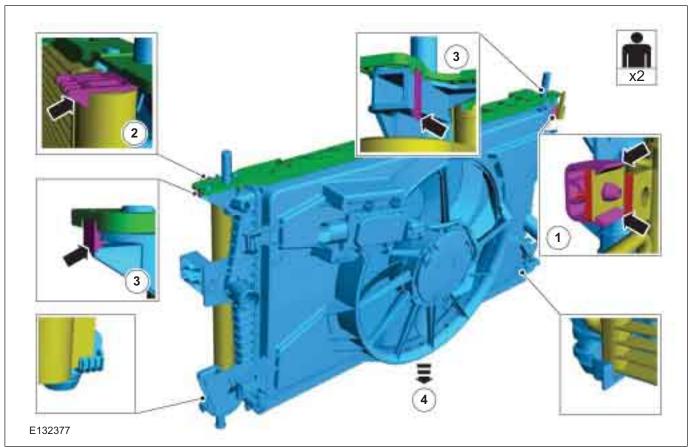
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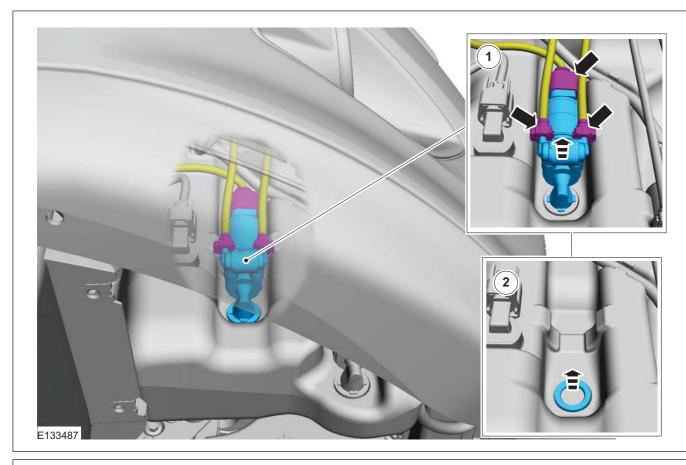


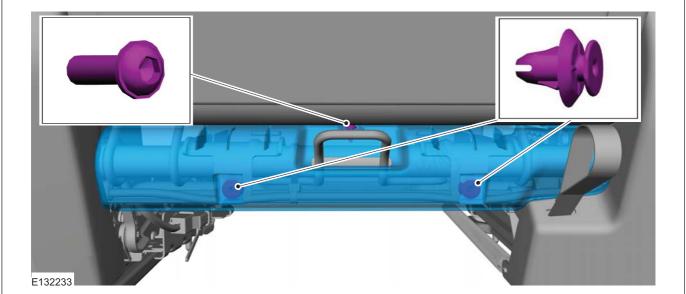
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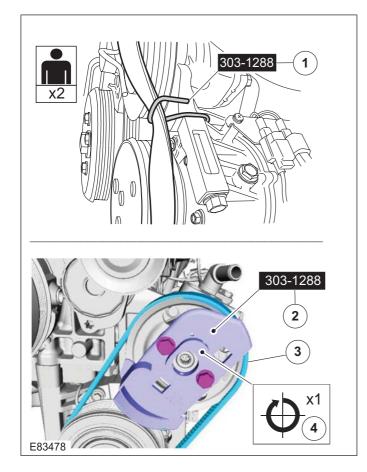
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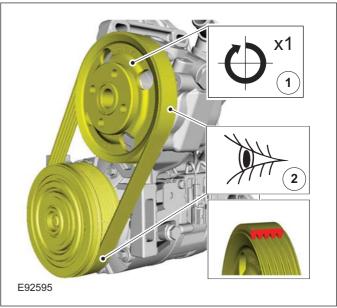
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GAS Service Action Icon

Symbols are used inside the graphics and in the text area to enhance the information display. The following paragraphs describe the various types and categories of symbols.

For additional information, refer to: Symbols Glossary (100-00 General Information, Description and Operation).

Prohibition symbols advise on prohibited actions to either avoid damage or health and safety related risks. These symbols are:







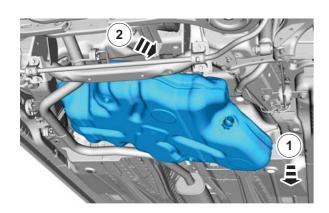


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E85026

Health and Safety symbols recommend the use of particular protection equipment to avoid or at least reduce the risk or severity of possible injuries.

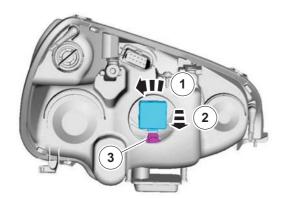




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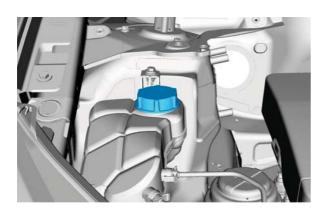






E85027

Warning symbols are used to indicate potential risks resulting from a certain component or area.





























E85028









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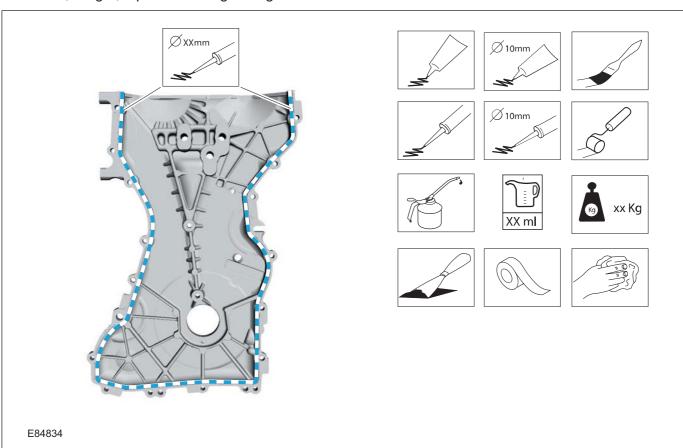


Instruction symbols are used to apply sealer,

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lubricant, weight, tape or cleaning detergent to a

component.



Location symbols are used to show the location of a component or system within the vehicle.







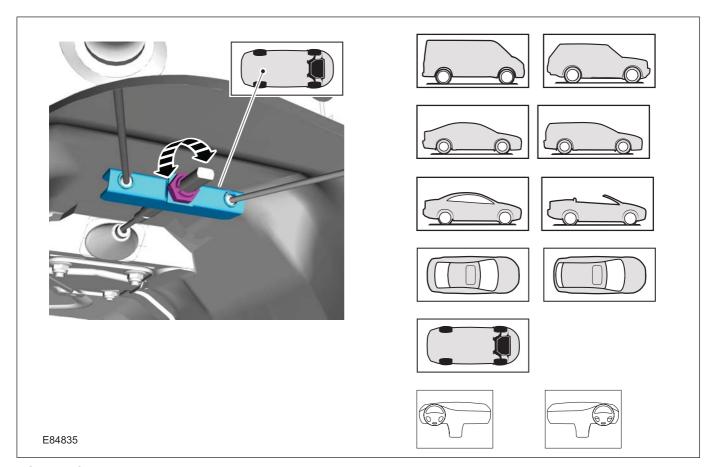


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Gearshift lever or selector lever position symbols are used to show which gearshift lever or selector lever position is to be set.



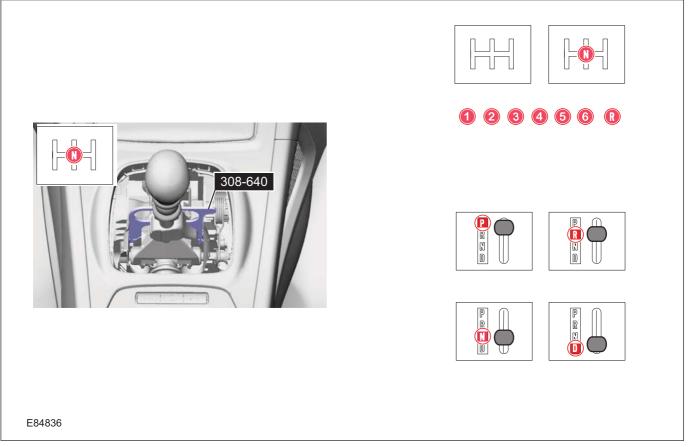




100-00-14 **General Information**



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Pointer symbols are used to draw attention to components and give special instructions such as a required sequence or number of components. The number of components is reflected by the value inside the luty arrow. A sequence number is located inside the circle. Numbers inside circles are also used to allocate special information such as tightening torques or chemicals to a particular component.





Full download: http://manualplace.com/download/ford-kuga-2011-mk1-workshop-manual/





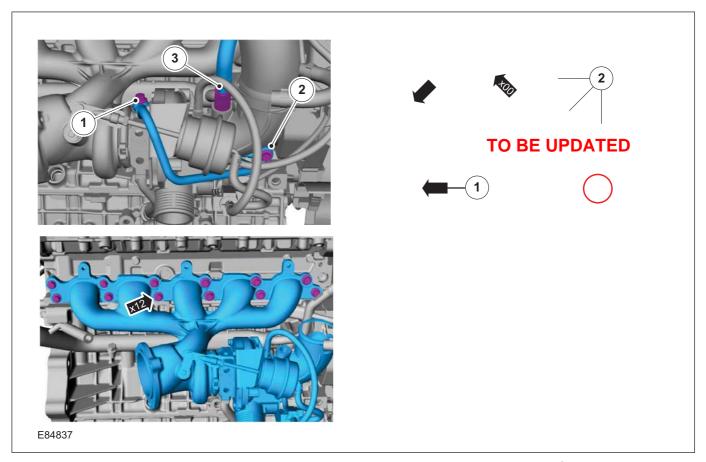
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Movement arrows are used to show three dimensional or rotational movements. These movements can include specific values inside the symbol if required.

