

303-01A Engine - 2.0L Duratec-HE (125kW/170PS) - MI4 Removal and Installation

2012 - 2014 Focus

Procedure revision date: 10/5/2017

Timing Drive Components

Special Tool(s) / General Equipment



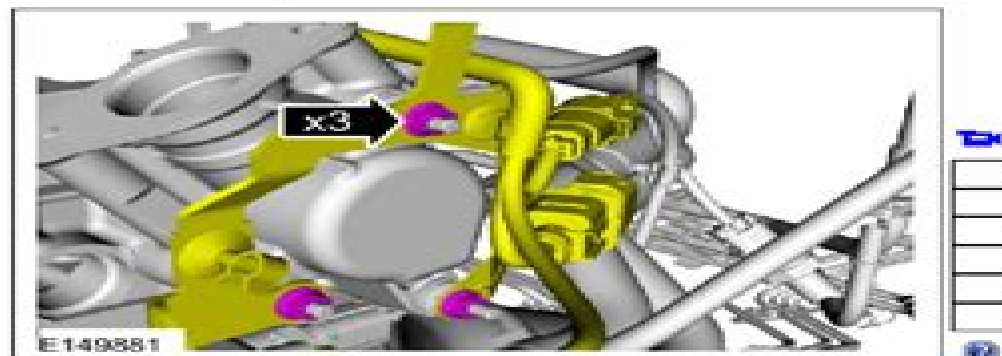
Removal

NOTICE: Do not loosen or remove the crankshaft pulley bolt without first installing the special tools as instructed in this procedure. The crankshaft pulley and the crankshaft timing sprocket are not keyed to the crankshaft. The crankshaft, the crankshaft sprocket and the pulley are fitted together by friction, using diamond washers between the flange faces on each part. For that reason, the crankshaft sprocket is also unfastened if the pulley bolt is loosened. Before any repair requiring loosening or removal of the crankshaft pulley bolt, the crankshaft and camshafts must be locked in place by the special service tools, otherwise severe engine damage can occur.

NOTICE: During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan can cause engine failure.

NOTE: If it is necessary to install a new timing chain tensioner, a cast iron tensioner is to be replaced with an aluminum tensioner (6K254). The existing bolts must be discarded and replaced with new bolts (6K282).

1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation).
2. Remove the following items:
 1. Remove the fuel injection pump.
Refer to: [Fuel Injection Pump](#) (303-04 Fuel Charging and Controls - 2.0L Duratec-HE (125kW/170PS) - MI4) .
 2. Remove the engine front cover.
Refer to: [Engine Front Cover](#) (303-01 Engine - 2.0L Duratec-HE (125kW/170PS) - MI4) .
3. Remove the nuts and position the bracket aside.



4. Remove the stud bolts and the fuel injection pump housing.

Ford Workshop Manual Section 303 01

Sabine Zange



Ford Workshop Manual Section 303 01:

Phil Edmonston's Lemon-aid Used Cars and Minivans Louis-Philippe Edmonston,2004 Motor's Auto Repair Manual
Motor (New York, N.Y.),1971 *Chilton's Auto Repair Manual* Chilton Automotive Books,1980 *Electric Railway*
Directory and Buyers' Manual ,1904 **Bibliography of Agriculture** ,1962 **McGraw Electric Railway Manual** ,1911
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,1998-10 Monthly Catalogue, United States Public Documents ,1995-12 *Commerce Business Daily* ,1999-03

The book delves into Ford Workshop Manual Section 303 01. Ford Workshop Manual Section 303 01 is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Ford Workshop Manual Section 303 01, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Ford Workshop Manual Section 303 01
- Chapter 2: Essential Elements of Ford Workshop Manual Section 303 01
- Chapter 3: Ford Workshop Manual Section 303 01 in Everyday Life
- Chapter 4: Ford Workshop Manual Section 303 01 in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Ford Workshop Manual Section 303 01. The first chapter will explore what Ford Workshop Manual Section 303 01 is, why Ford Workshop Manual Section 303 01 is vital, and how to effectively learn about Ford Workshop Manual Section 303 01.
3. In chapter 2, the author will delve into the foundational concepts of Ford Workshop Manual Section 303 01. The second chapter will elucidate the essential principles that must be understood to grasp Ford Workshop Manual Section 303 01 in its entirety.
4. In chapter 3, this book will examine the practical applications of Ford Workshop Manual Section 303 01 in daily life. This chapter will showcase real-world examples of how Ford Workshop Manual Section 303 01 can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Ford Workshop Manual Section 303 01 in specific contexts. The fourth chapter will explore how Ford Workshop Manual Section 303 01 is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Ford Workshop Manual Section 303 01. This chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Ford Workshop Manual Section 303 01.

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