

# Your Ultimate Source for OEM Repair Manuals

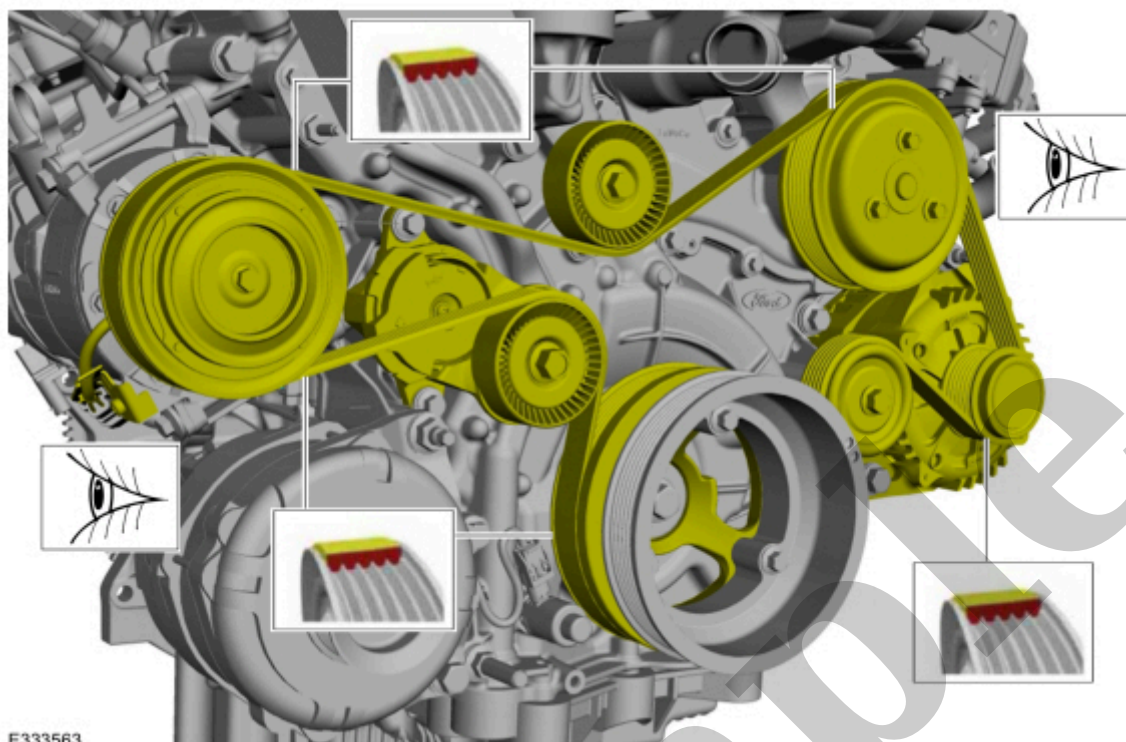
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2016 Ford Explorer Service and Repair Manual

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## Installation

1. Make sure the accessory drive belt is correctly seated on all the pulleys.

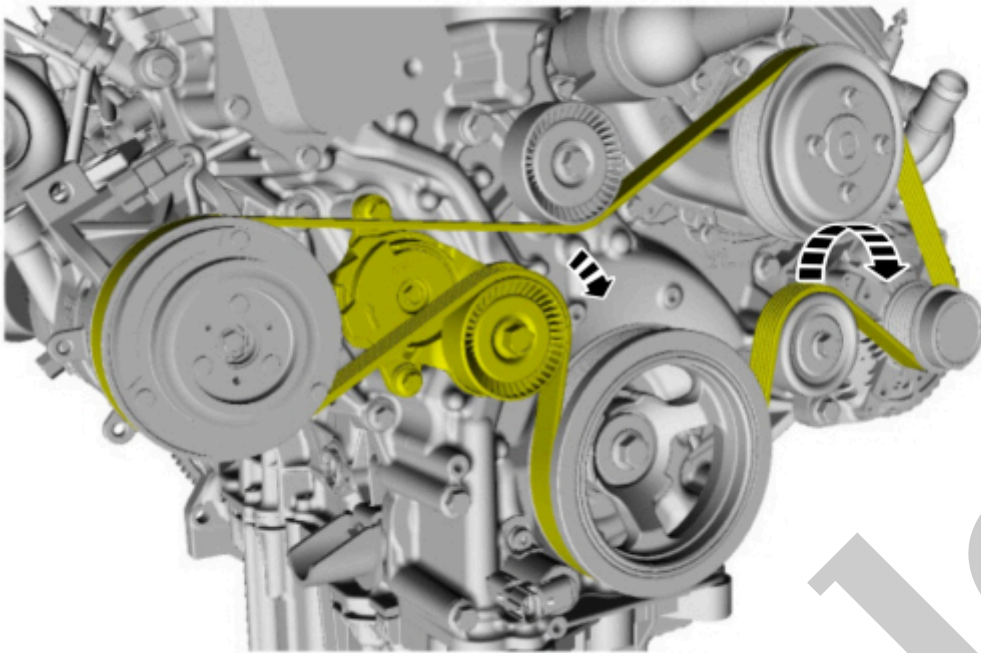


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2. To install, reverse the removal procedure.

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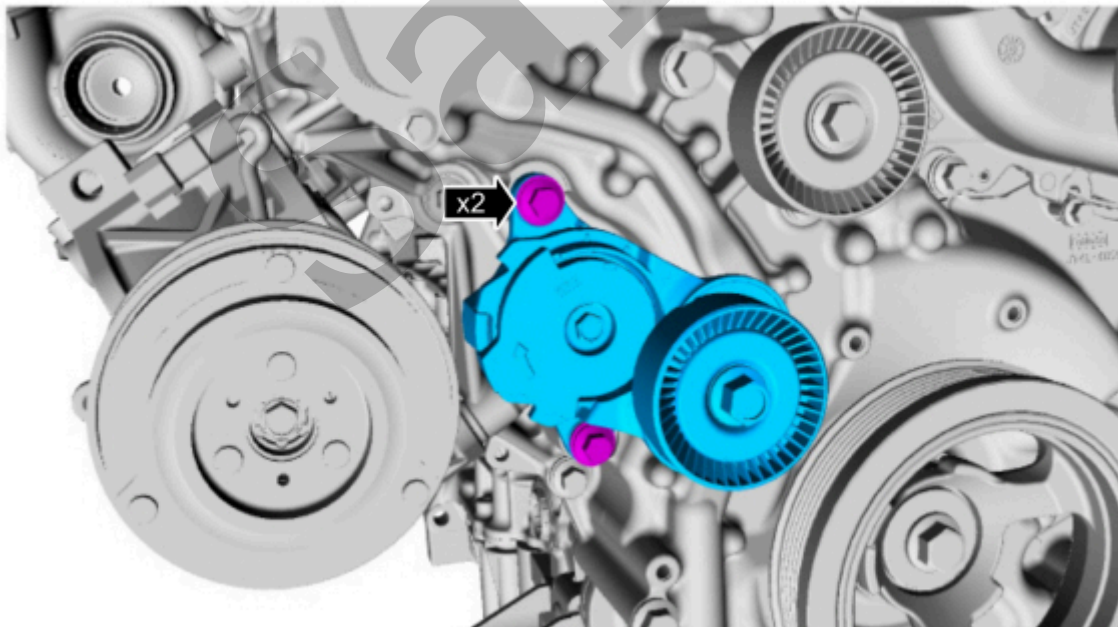


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3. Remove the bolts and the accessory drive belt tensioner.

**Torque** : 18 lb.ft (25 Nm)



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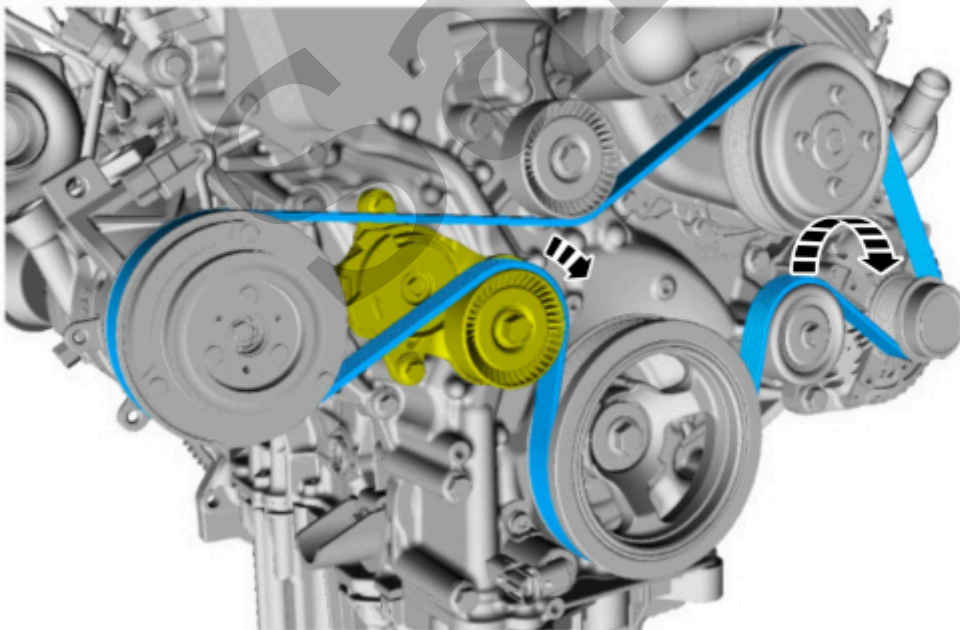
## Accessory Drive Belt

<b>303-05A Accessory Drive - 2.7L EcoBoost (238kW/324PS)</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 09/24/2014</b>

### Accessory Drive Belt

#### Removal

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. Rotate the accessory drive belt tensioner clockwise and remove the accessory drive belt.



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## Air Conditioning (A/C) Compressor Belt - Vehicles With: Dual Generators

<b>303-05A Accessory Drive - 2.7L EcoBoost (238kW/324PS)</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 09/1/2020</b>

### Air Conditioning (A/C) Compressor Belt - Vehicles With: Dual Generators

#### Removal and Installation

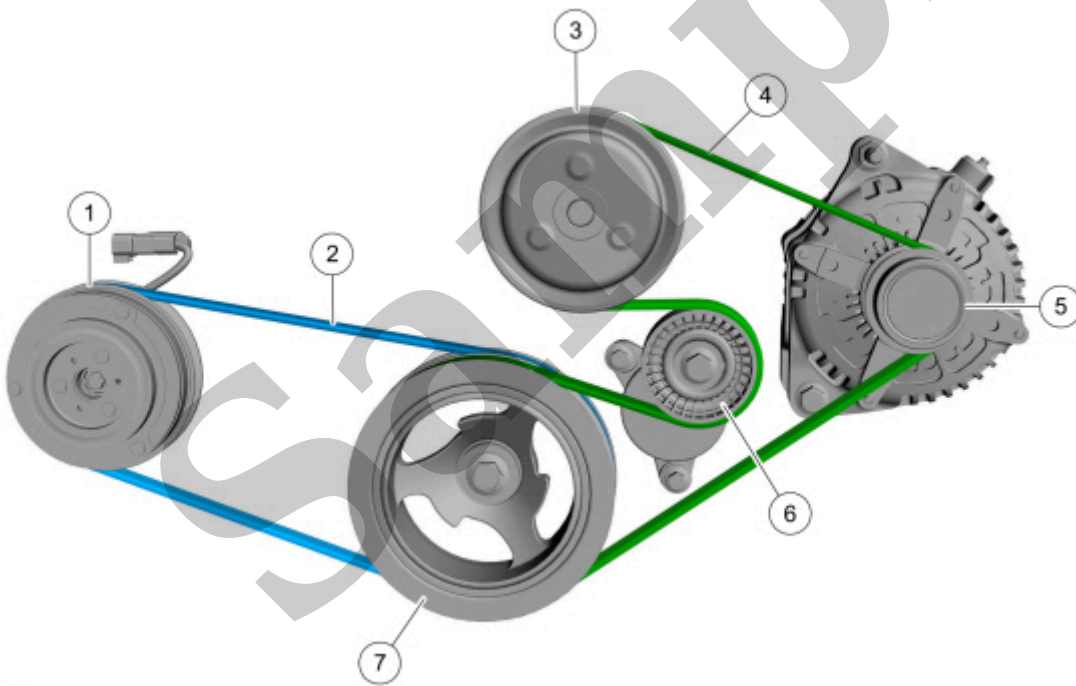
1. Refer to: [Accessory Drive Belt - Vehicles With: Dual Generators](#)(303-05A Accessory Drive - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

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## Accessory Drive - Component Location

<b>303-05B Accessory Drive - 3.3L Duratec-V6</b>	<b>2022 F-150</b>
<b>Description and Operation</b>	<b>Procedure revision date: 06/5/2017</b>

### Accessory Drive - Component Location



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Item	Description
1	Pulley - A/C compressor
2	Belt - A/C compressor

## Accessory Drive

<b>303-05B Accessory Drive - 3.3L Duratec-V6</b>	<b>2022 F-150</b>
<b>Diagnosis and Testing</b>	<b>Procedure revision date: 08/18/2020</b>

### Accessory Drive

#### Symptom Chart(s)

#### Symptom Chart: Accessory Drive

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.

REFER to: [Diagnostic Methods](#)

(100-00 General Information, Description and Operation).

#### Symptom Chart

Condition	Actions
Accessory drive belt noise	<ul style="list-style-type: none"> <li>• <a href="#">GO to Pinpoint Test A</a></li> </ul>
Accessory drive belt chirp	<ul style="list-style-type: none"> <li>• <a href="#">GO to Pinpoint Test B</a></li> </ul>
Accessory drive rattle	<ul style="list-style-type: none"> <li>• <a href="#">GO to Pinpoint Test C</a></li> </ul>

#### Pinpoint Tests

##### NOTICE

Do not lubricate the accessory drive belt as potential damage to the accessory drive belt material construction may occur.

or a/c compressor belt REFER to: [Air Conditioning \(A/C\) Compressor Belt](#) (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).

**No** GO to [A3](#)

### A3 CHECK THE ACCESSORY DRIVE BELT AND A/C COMPRESSOR BELT FOR CHUNKING

#### NOTE

Chunking describes the condition where long lengths of rubber become detached from the ribs of the accessory drive belt. This is considered to be a failure of the accessory drive belt.

- Check the accessory drive and a/c compressor belts for chunking.

#### Do the drive belts show signs of chunking?

**Yes**

INSTALL a new accessory drive belt.  
REFER to: [Accessory Drive Belt](#) (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).  
or a/c compressor belt REFER to: [Air Conditioning \(A/C\) Compressor Belt](#) (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).

**No** GO to [A6](#)

### A4 CHECK THE ACCESSORY DRIVE BELT AND A/C COMPRESSOR BELT FOR PILLING

#### NOTE

Pilling is dust that forms in between the ribs of the accessory drive belt from rubber that is worn off the accessory drive belt when it is new. There may also be loose particles left on the accessory drive belt during the manufacturing process. These are worn off and form into small balls of rubber that then get trapped in the grooves of the accessory drive belt. This condition will usually clear itself within 4800 km - 8000 km (3000 miles - 5000 miles) of normal driving.

- Check the accessory drive and a/c compressor belts for pilling.

#### Do the drive belts show signs of pilling?



## A7 CHECK THE ACCESSORY DRIVE BELT FOR INCORRECT FITMENT

### NOTE

Accessory drive belt noise can be generated by the accessory drive belt being incorrectly fitted on the pulley. Make sure that all the V grooves on the accessory drive belt contact correctly with the pulley.

- Check the accessory drive belt for incorrect fitment.

### Does the accessory drive belt show signs of incorrect fitment?

<b>Yes</b>	INSTALL the accessory drive belt correctly and retest. REFER to: <a href="#">Air Conditioning (A/C) Compressor Belt</a> (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).
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<b>No</b>	GO to <a href="#">A8</a>
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## A8 CHECK THE A/C COMPRESSOR DRIVE BELT FOR INCORRECT FITMENT

### NOTE

A/C compressor drive belt noise can be generated by the accessory drive belt being incorrectly fitted on the pulley. Make sure that all the V grooves on the accessory drive belt contact correctly with the pulley.

- Check the a/c compressor drive belt for incorrect fitment.

### Does the a/c compressor drive belt show signs of incorrect fitment?

<b>Yes</b>	INSTALL a new a/c compressor drive belt correctly and retest. REFER to: <a href="#">Air Conditioning (A/C) Compressor Belt</a> (303-05B Accessory Drive - 3.3L Duratec-V6, Removal and Installation).
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<b>No</b>	The system is operating correctly at this time. The concern may have been caused by an intermittent component concern.
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## PINPOINT TEST B : ACCESSORY DRIVE BELT CHIRP

### B3 CHECK FOR PULLEY MISALIGNMENT

- Engine RUNNING.

**Are the accessory drive belts running centrally on the flat pulleys?**

<b>Yes</b>	With the engine running at idle, use a stethoscope to identify the source of the noise. INSTALL new components as necessary.
<b>No</b>	CHECK the pulleys for excessive end float and bent flanges and replace as necessary

### PINPOINT TEST C : ACCESSORY DRIVE BELT RATTLE

#### NOTE

Rattle is defined as a metallic knocking noise

#### Normal Operation and Fault Conditions

REFER to: [Accessory Drive - Component Location](#)(303-05B Accessory Drive - 3.3L Duratec-V6, Description and Operation).

#### Possible Sources

- Generator
- Air conditioning (A/C) compressor
- Pulley(s)
- Loose hardware
- Loose components

**Diagnostic steps are not provided for this symptom or DTC. REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).**

### Component Tests

#### Accessory Drive Belt Tensioner - Static Check

The accessory drive belt tensioner may be checked statically as follows:

1. Inspect the area surrounding the accessory drive belt tensioner for lubricant or other contamination. Rectify any leaks before installing a new accessory drive belt tensioner. If the accessory drive belt