

## Driveshaft -

### General Specification

Item	Specification
Type	Three piece driveshaft, incorporating centre bearings, CV joints, a swaged front section, and long plunge double offset joint at the rear of the front section
Fixed constant velocity joint	Front
Plunging constant velocity joint	Rear
Long plunge double offset joint	Rear of front section

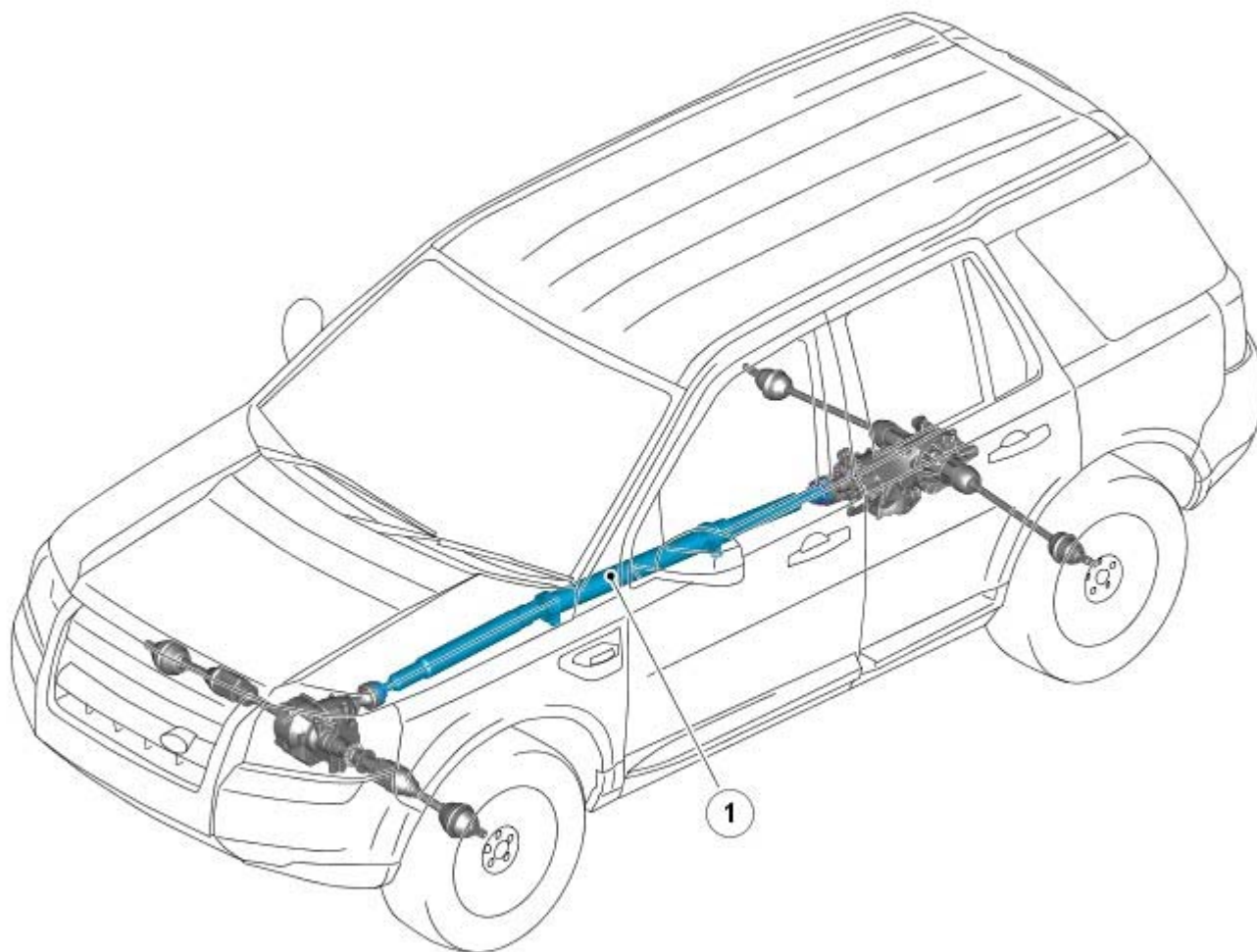
### Torque Specifications

Description	Nm	lb-ft
CV joint support bracket bolts to floor	25	18
Driveshaft to power transfer unit Torx bolts*	40	30
Driveshaft to rear differential pinion flange Torx bolts*	40	30
CV joint support bracket bolts to to CV joint	24	18

**\* New nuts/bolts must be fitted**

**Part Number**  
**Driveshaft - Driveshaft**  
Description and Operation

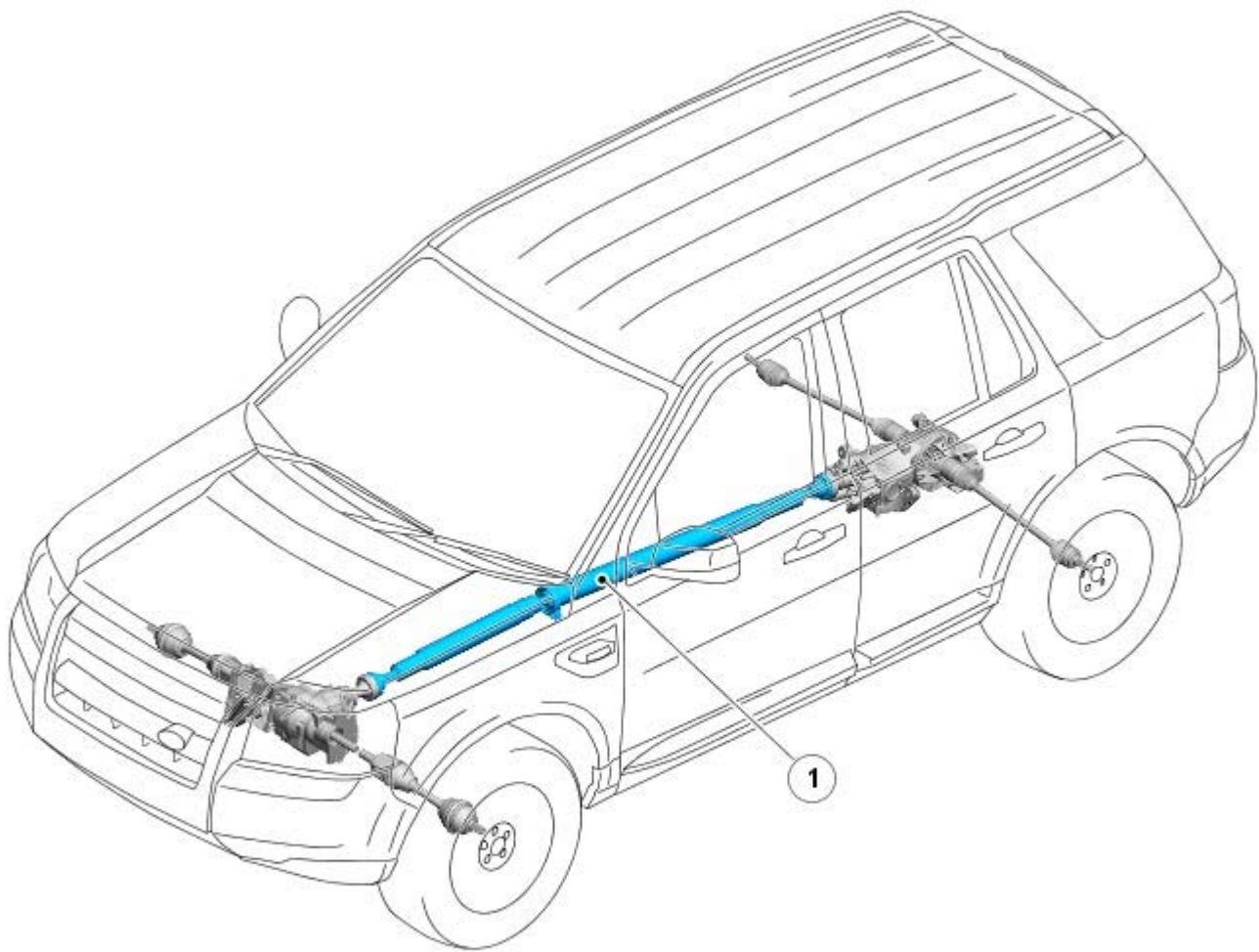
Published: 11-May-2011

**COMPONENT LOCATION - TD4 MANUAL AND SI6 (UP TO VIN 180237) AND TD4 AUTO.**

E79416

Item	Part Number	Description
1	-	Driveshaft

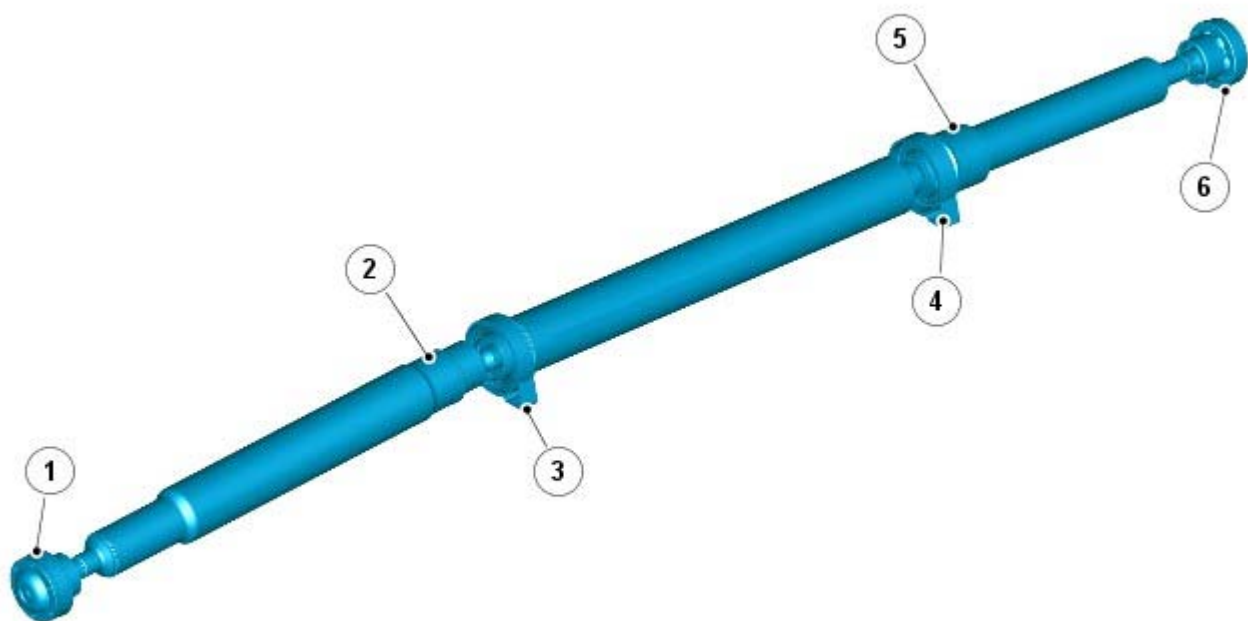
**COMPONENT LOCATION - TD4 MANUAL AND SI6 (FROM VIN 180238)**



E130046

Item		Description
1		Driveshaft

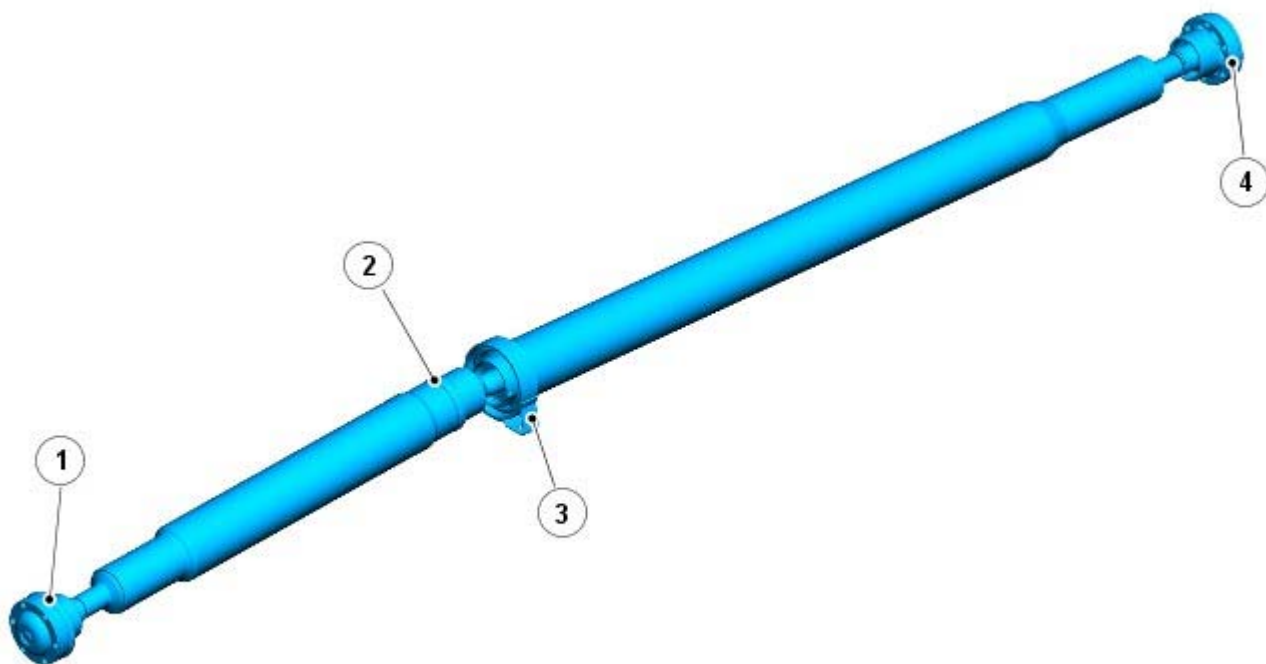
**OVERVIEW - TD4 MANUAL AND SI6 (UP TO VIN 180237) AND TD4 AUTO.**



E80144

Item		Description
1		Fixed constant velocity joint
2		Long plunge double-offset joint
3		Center bearing
4		Center bearing
5		Universal joint
6		Plunging constant velocity joint

OVERVIEW - TD4 MANUAL AND SI6 (FROM VIN 180238)



E130047

Item		Description
1		Fixed constant velocity joint
2		Long plunge double-offset joint
3		Center bearing
4		Plunging constant velocity joint

Manufactured from high-strength thin-walled tubular steel to minimize weight, the driveshaft incorporates crash energy management features, designed to collapse progressively and predictably in the event of a severe frontal impact. These features include:

- swaged construction of the front section which allows the section to collapse, and a
- sophisticated long-plunge double-offset joint at the rear of the front section, which absorbs the energy of the impact.

The driveshaft is supported by either 1 or 2 high stiffness, center bearings manufactured from pressed steel with riveted aluminum heatshield assemblies.

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## Driveshaft - Universal Joints

Description and Operation

For additional information, refer to: [Driveshaft](#) (205-01 Driveshaft, Description and Operation).

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## Driveshaft - Driveshaft

Diagnosis and Testing

For additional information.

REFER to: [Driveline System](#) (205-00 Driveline System - General Information, Diagnosis and Testing).

# Driveshaft - Driveshaft Vehicles Without: Diesel Particulate Filter (DPF)

## Removal and Installation

### Removal

NOTE: If a new drive shaft is to be installed, remove the seal protector from the front sliding joint.

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

NOTE: Some variation in the illustrations may occur, but the essential information is always correct.

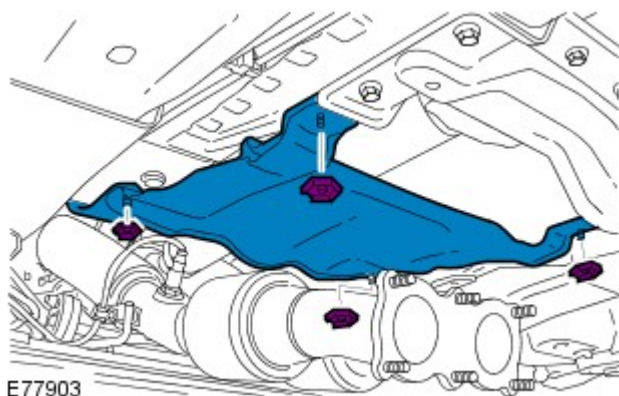
1.  **WARNING:** Make sure to support the vehicle with axle stands.

NOTE: All vehicles.

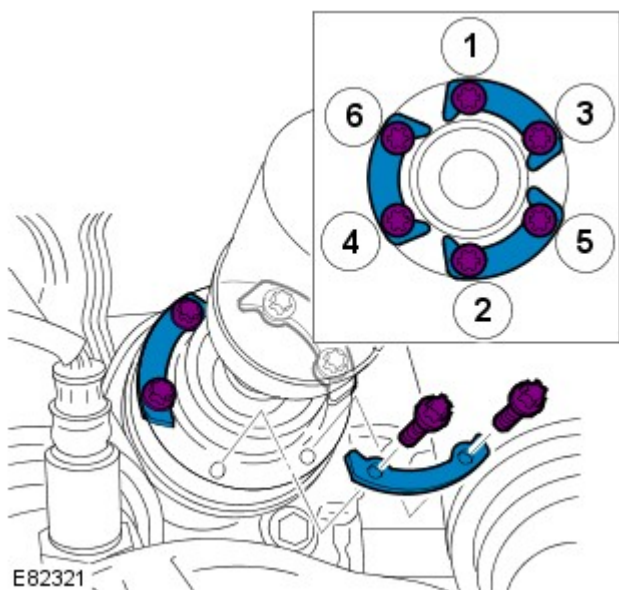
Raise and support the vehicle.


2. Remove the exhaust system.

Refer to: [Exhaust System](#) (309-00B Exhaust System - TD4 2.2L Diesel, Removal and Installation).




3.



4.  **WARNING:** Do not lever the driveshaft joints to release from the power transfer unit or the rear differential flanges.

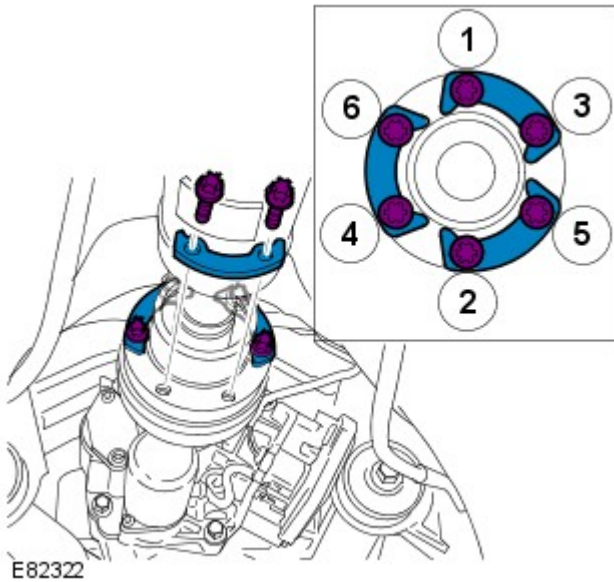
CAUTIONS:


 Make sure that the driveshaft is supported with suitable retaining straps.

 Make sure that new bolts are installed.


Torque: 40 Nm





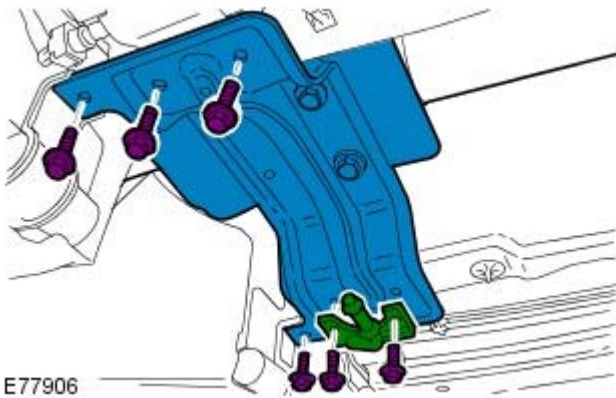
5.  **WARNING:** Do not lever the driveshaft joints to release from the power transfer unit or the rear differential flanges.

CAUTIONS:

 Make sure that the driveshaft is supported with suitable retaining straps.

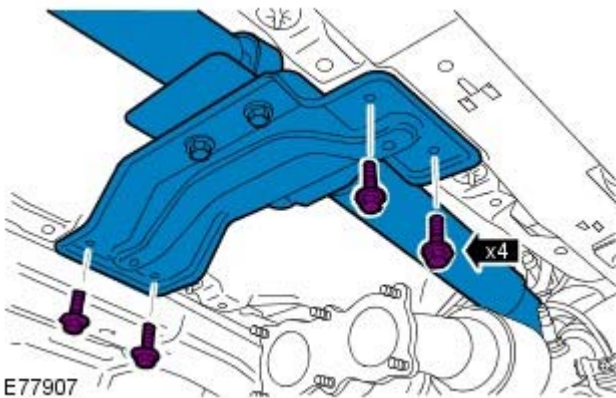
 Make sure that new bolts are installed.

*Torque:* 40 Nm



6. **NOTE:** All vehicles built up to VIN 180237, and all TD4 Automatics built from VIN 180238

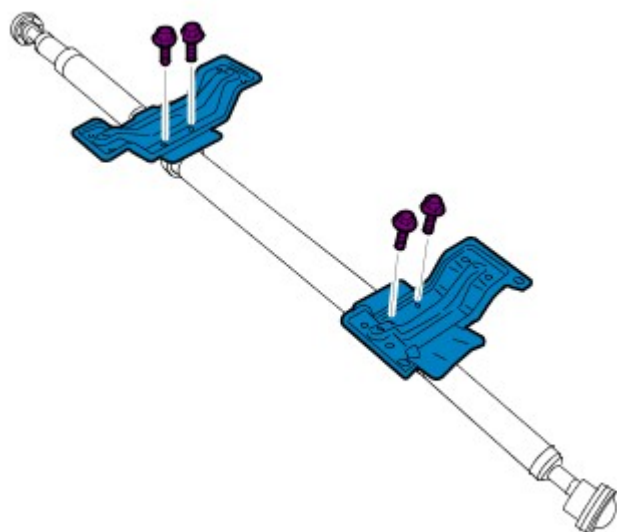
• *Torque:* 25 Nm



7. **NOTE:** All vehicles.

**NOTE:** This step requires the aid of another technician.

• *Torque:* 25 Nm

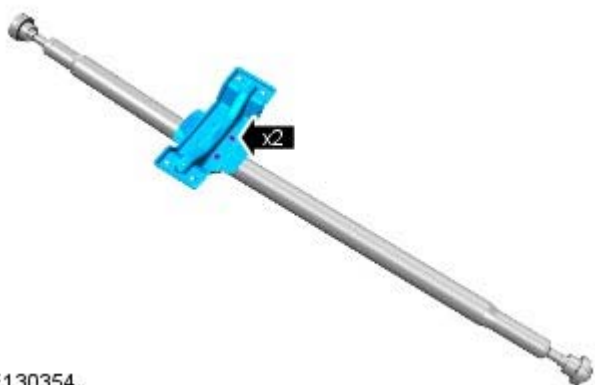


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8. NOTE: Do not disassemble further if the component is removed for access only.

NOTE: All vehicles built up to VIN 180237, and all TD4 Automatics built from VIN 180238

- Torque: 25 Nm



E130354

9. NOTE: TD4 Manual, and all Si6 built from VIN 180238

- Torque: 25 Nm

## Installation

1. To install, reverse the removal procedure.

# Driveshaft - Driveshaft Vehicles With: Diesel Particulate Filter (DPF)

## Removal and Installation

### Removal

NOTE: If a new drive shaft is to be installed, remove the seal protector from the front sliding joint.

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

NOTE: Some variation in the illustrations may occur, but the essential information is always correct.

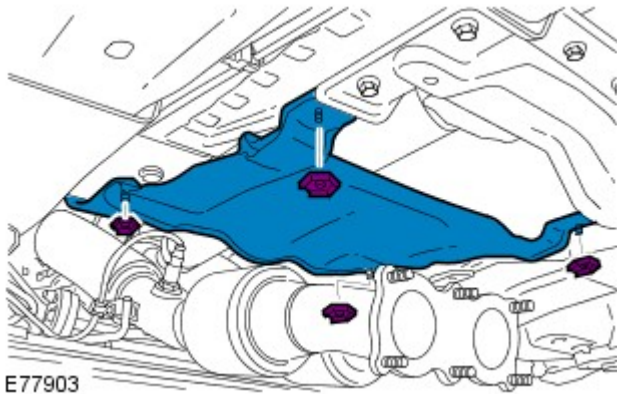
1.  **WARNING:** Make sure to support the vehicle with axle stands.

NOTE: All vehicles.

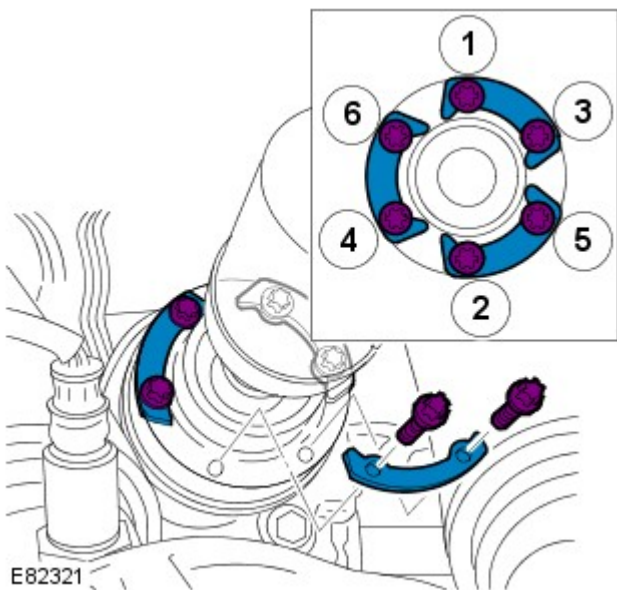
Raise and support the vehicle.


2. Remove the Diesel Particulate Filter (DPF).

Refer to: [Diesel Particulate Filter \(DPF\)](#) (309-00B Exhaust System - TD4 2.2L Diesel, Removal and Installation).




3.



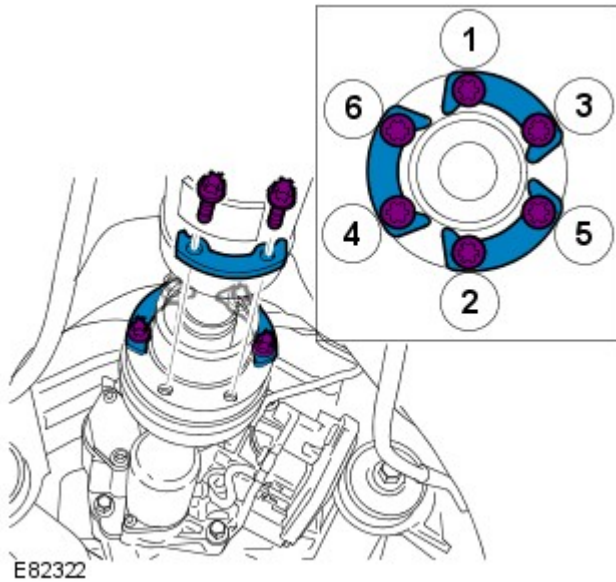
4.  **WARNING:** Do not lever the driveshaft joints to release from the power transfer unit or the rear differential flanges.


CAUTIONS:

 Make sure that the driveshaft is supported with suitable retaining straps.


 Make sure that new bolts are installed.

Torque: 40 Nm



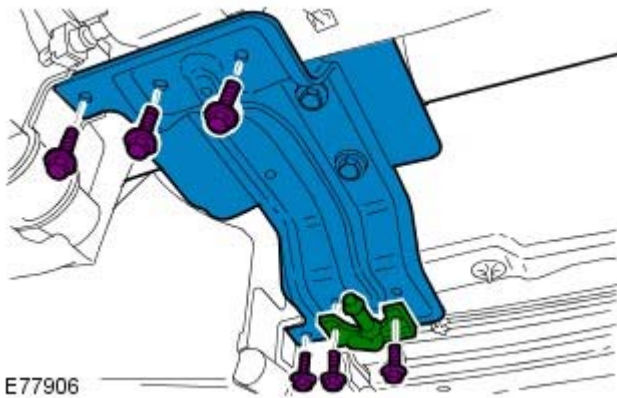
5.  **WARNING:** Do not lever the driveshaft joints to release from the power transfer unit or the rear differential flanges.

CAUTIONS:

 Make sure that the driveshaft is supported with suitable retaining straps.

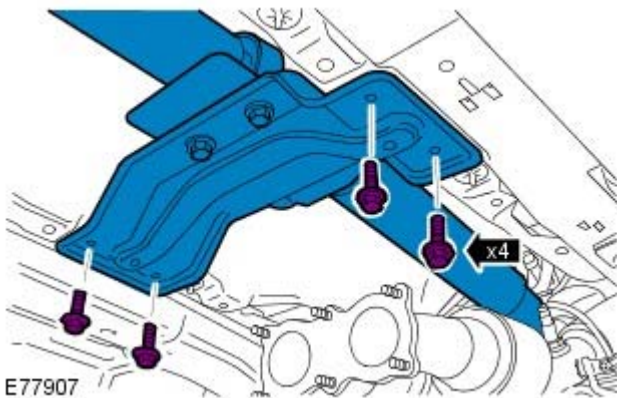
 Make sure that new bolts are installed.

Torque: 40 Nm



6. **NOTE:** All vehicles built up to VIN 180237, and all TD4 Automatics built from VIN 180238

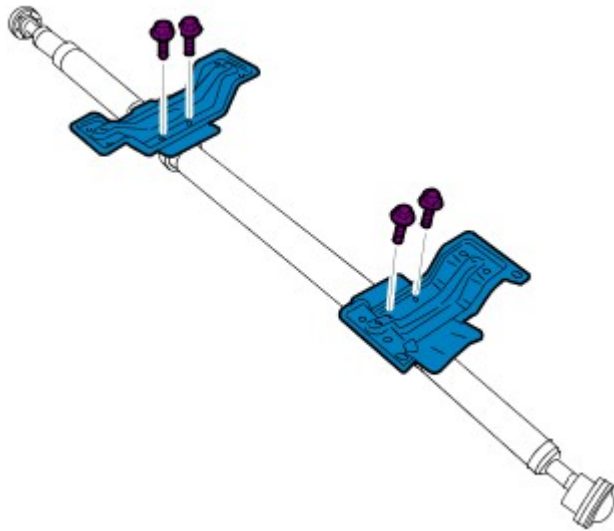
• Torque: 25 Nm



7. **NOTE:** All vehicles.

**NOTE:** This step requires the aid of another technician.

• Torque: 25 Nm

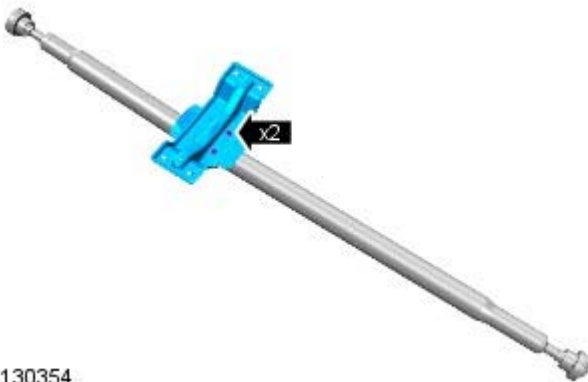


E77908

8. NOTE: Do not disassemble further if the component is removed for access only.

NOTE: All vehicles built up to VIN 180237, and all TD4 Automatics built from VIN 180238

- Torque: 25 Nm



E130354

9. NOTE: TD4 Manual built from VIN 180238

- Torque: 25 Nm

## Installation

1. To install, reverse the removal procedure.