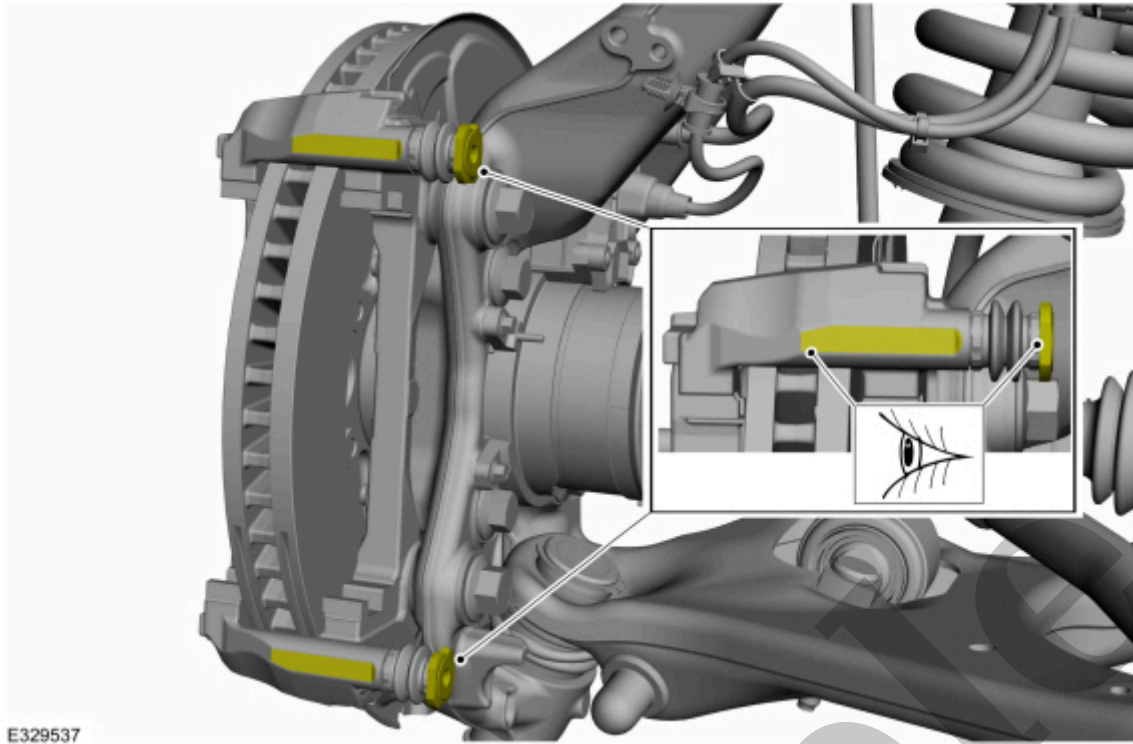


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2016 FORD Fusion Hybrid OEM Service and Repair Workshop Manual

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E329537

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9. NOTICE

Make sure that the brake hose is not twisted when installing the brake caliper or damage to the brake flexible hose may occur.

Install the brake caliper while squeezing the brake pads against the rotor.

Front Brake Flexible Hose - Raptor, Vehicles Built From: 14-January-2022

<i>206-03 Front Disc Brake</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 04/12/2022</i>

Front Brake Flexible Hose - Raptor, Vehicles Built From: 14-January-2022

Removal

NOTICE

Make sure that all openings are sealed.

NOTICE

If the fluid is spilled on the paintwork, the affected area must be immediately washed down with cold water.

NOTE

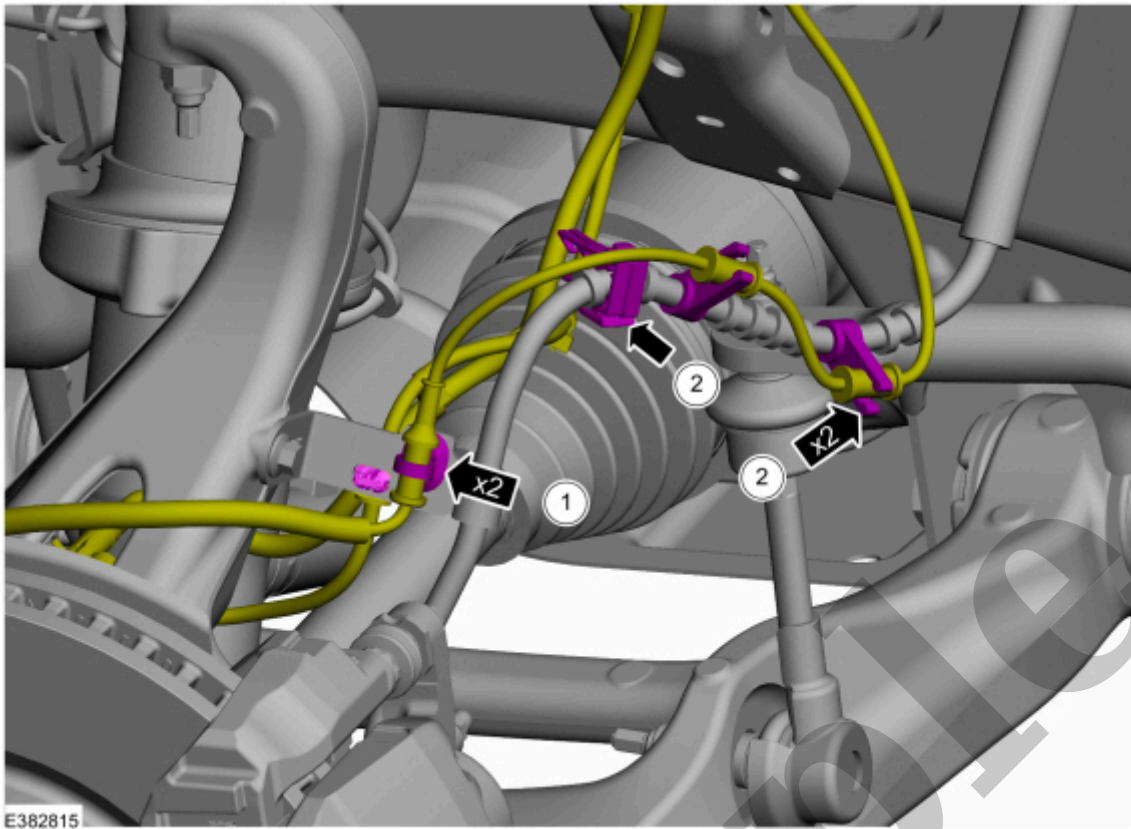
Removal steps in this procedure may contain installation details.

1. Activate the brake service mode.

Refer to: [Brake Service Mode Activation and Deactivation](#)(206-00 Brake System - General Information, General Procedures).

2. Remove the bolt and disconnect the brake hose. Discard the washers.

Torque : 26 lb.ft (35 Nm)



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4. 1. Disconnect the brake tube fitting.
Torque : 159 lb.in (18 Nm)
2. Remove the brake hose bracket bolt.
Torque : 159 lb.in (18 Nm)
3. Remove the brake hose bracket bolt and the brake hose.
Torque : 22 lb.ft (30 Nm)

Front Brake Flexible Hose - Raptor, Vehicles Built Up To: 13-January-2022

206-03 Front Disc Brake	2022 F-150
Removal and Installation	Procedure revision date: 08/5/2021

Front Brake Flexible Hose - Raptor, Vehicles Built Up To: 13-January-2022

Removal

NOTICE

Make sure that all openings are sealed.

NOTICE

If the fluid is spilled on the paintwork, the affected area must be immediately washed down with cold water.

NOTE

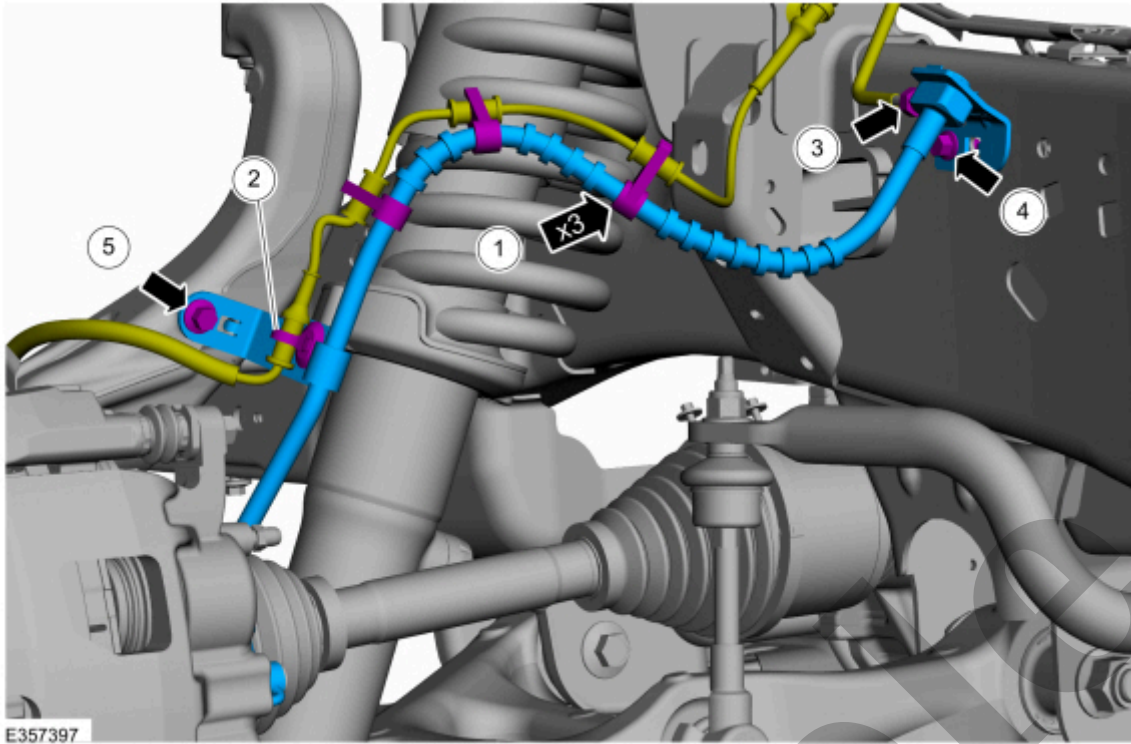
Removal steps in this procedure may contain installation details.

1. Activate the brake service mode.

Refer to: [Brake Service Mode Activation and Deactivation](#)(206-00 Brake System - General Information, General Procedures).

2. Remove the bolt and disconnect the brake hose. Discard the washers.

Torque : 26 lb.ft (35 Nm)



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

Installation

1. To install, reverse the removal procedure.

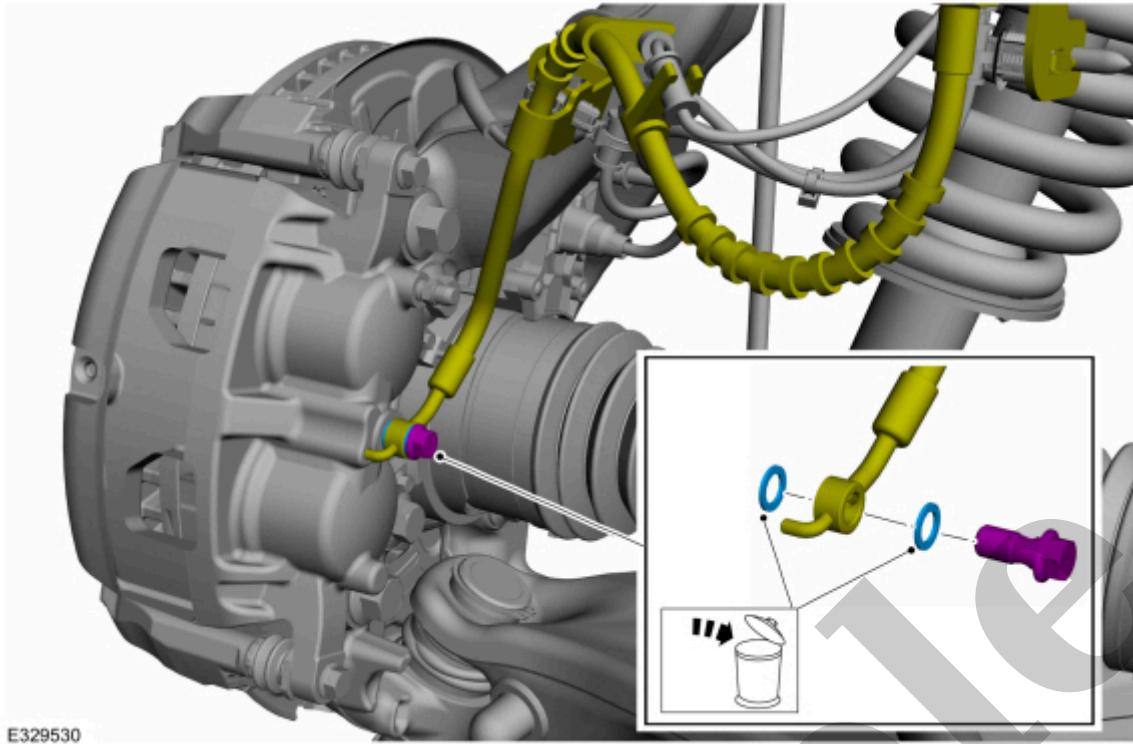
2. Deactivate the brake service mode.

Refer to: [Brake Service Mode Activation and Deactivation](#)(206-00 Brake System - General Information, General Procedures).

3. Bleed the brake system.

Refer to: [Brake System Pressure Bleeding](#)(206-00 Brake System - General Information, General Procedures).

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3. 1. Unclip the wheel speed sensor harness from the brake hose.
2. Detach the wheel speed sensor wiring retainer.
3. Disconnect the brake tube fitting.

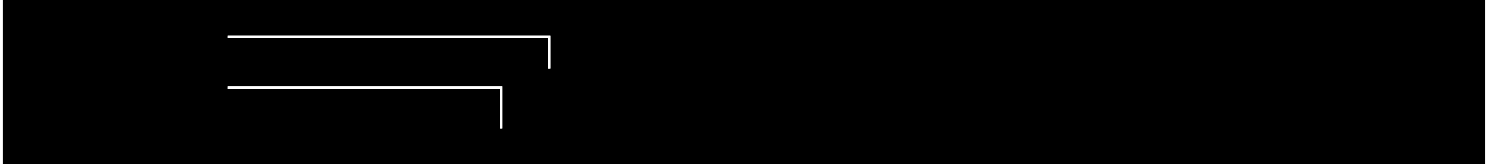
Torque : 159 lb.in (18 Nm)

4. Remove the brake hose bracket bolt.

Torque : 22 lb.ft (30 Nm)

5. Remove the brake hose bracket bolt and the brake hose.

Torque : 159 lb.in (18 Nm)



Hydraulic Brake Actuation - Overview

<i>206-06 Hydraulic Brake Actuation</i>	<i>2022 F-150</i>
<i>Description and Operation</i>	<i>Procedure revision date: 09/24/2014</i>

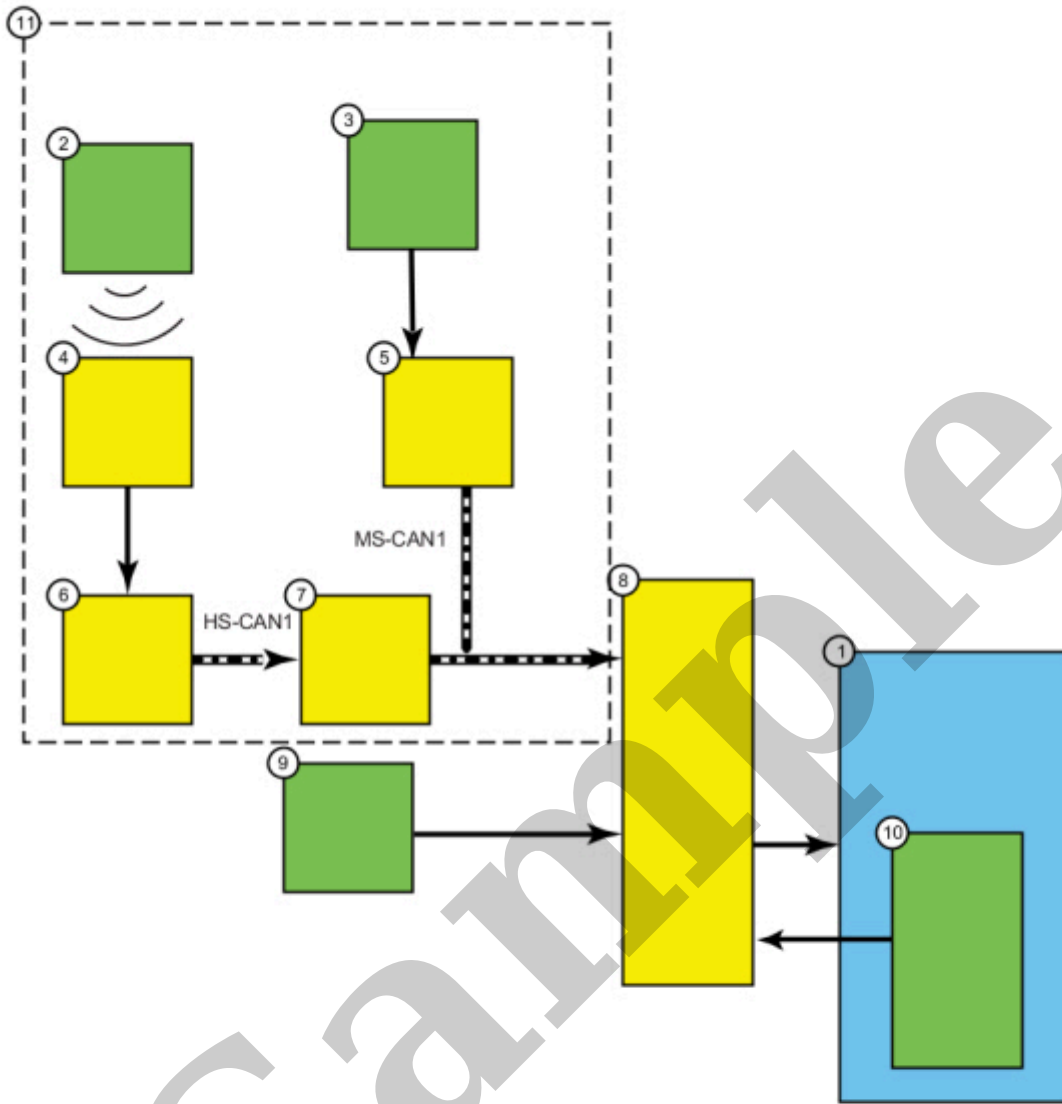
Hydraulic Brake Actuation - Overview

Overview - Adjustable Pedals

The adjustable pedal feature uses an electrical motor to adjust the brake and accelerator pedal positions forward and rearward to increase driver comfort. This is accomplished through the use of the adjustable pedal switch, the memory set switch (if equipped) or the RKE (remote keyless entry) transmitter (if equipped).

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Sample



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Item	Description
1	Adjustable Pedal Motor

The adjustable pedal motor directly controls the accelerator pedal through the use of a pinion and worm gear set. The opposite end of the adjustable pedal motor is attached to a cable inside a sleeve, which is connected to another worm gear set located on the brake pedal for the adjustment of the brake pedal. When the motor rotates, the worm gear set on the accelerator pedal and the worm gear set on the brake pedal both rotate simultaneously. The direction of motor rotation determines the direction of pedal movement, forward or rearward.

Adjustable Pedal – without Memory Feature

The pedals can be adjusted using the adjustable pedals control switch with the ignition set to OFF, ON or ACC, regardless of the gear selector position. The adjustable pedal control switch is hard-wired to the adjustable pedal motor. When the adjustable pedals control switch is pressed voltage is sent to the adjustable pedal motor. The motor then drives the pedals either forward or rearward, depending on which direction the switch was pressed, until the switch is released.

Adjustable Pedal – with Memory Feature

Adjustable pedals with memory feature are controlled in 1 of 3 ways:

- Using the adjustable pedal control switch
- Using the memory set switch
- Using the RKE (remote keyless entry) transmitter

The pedals can be adjusted using the adjustable pedal control switch with the ignition set to OFF, ON or ACC, regardless of the gear selector position. When the adjustable pedals control switch is pressed, a signal is sent to the DSM (driver front seat module) which then sends voltage to the adjustable pedal motor. The motor then drives the pedals either forward or rearward, depending on which direction the switch was pressed, until the switch is released.

The pedals can be adjusted using the memory set switch with the ignition set to OFF, ON or ACC; but the transmission must be in PARK or NEUTRAL. When one of the memory set positions is recalled by pressing the memory set switch, a signal is sent to the DDM (driver door module) which sends a message to the DSM (driver front seat module) over the MS-CAN (medium speed-controller area network) 1. The DSM (driver front seat module) responds by sending voltage to the adjustable pedal motor to move the pedals to the programmed memory position.

The pedals can be adjusted using the RKE (remote keyless entry) transmitter with the ignition set to OFF, ON or ACC; but the transmission must be in PARK or NEUTRAL. When a RKE (remote keyless entry) button is pressed, the transmitted signal is received by the RTM (radio transceiver module) . The RTM (radio transceiver module) sends a message to the BCM (body control module) over a LIN (local interconnect network) . The BCM (body control module) transmits the message to the GWM (gateway module A) over the HS-CAN1 (high-speed controller area network 1) and the GWM (gateway module A) transmits the message to the DSM (driver front seat module) over the MS-CAN (medium speed-controller area network) 1. The DSM (driver front seat module) then provides voltage to the adjustable pedal motor to move the pedals to the position programmed into the RKE (remote keyless entry) transmitter.