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2023 Volvo S60 Service and Repair Manual

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BRAKE FLUID LEVEL SENSOR > BRAKE FLUID LEVEL SENSOR (7/4) [2018-2022] > DESCRIPTION

The brake fluid level sensor monitors the brake fluid reservoir. The reservoir contains a level switch for detection of brake fluid losses in the brake system. If the brake fluid level drops below a predetermined minimum level, the sensor sends out a warning.

BRAKE FLUID LEVEL SENSOR > BRAKE FLUID LEVEL SENSOR (7/4) [2018-2022] > DIAGNOSTIC INFORMATION

The brake fluid level sensor does not have a built-in diagnostic system. The Vehicle Dynamics Domain Master (VDDM) / Brake Control Module (BCM2) monitors the sensor and sets DTCs.

BRAKE FLUID LEVEL SENSOR > BRAKE FLUID LEVEL SENSOR (7/4) [2018-2022] > CONNECTION AND COMMUNICATION

The brake fluid level sensor is directly connected to the Vehicle Dynamics Domain Master (VDDM) / Brake Control Module (BCM2).

BRAKE PEDAL SWITCH > BRAKE PEDAL SWITCH (7/124) [2018-2022] > DESCRIPTION

The brake pedal switch registers if the brake pedal is depressed.

BRAKE PEDAL SWITCH > BRAKE PEDAL SWITCH (7/124) [2018-2022] > DIAGNOSTIC INFORMATION

The brake pedal switch does not have a built-in diagnostic system. The Central Electronics Module (CEM) monitors the sensor and sets DTCs and readable parameters.

BRAKE PEDAL SWITCH > BRAKE PEDAL SWITCH (7/124) [2018-2022] > CONNECTION AND COMMUNICATION

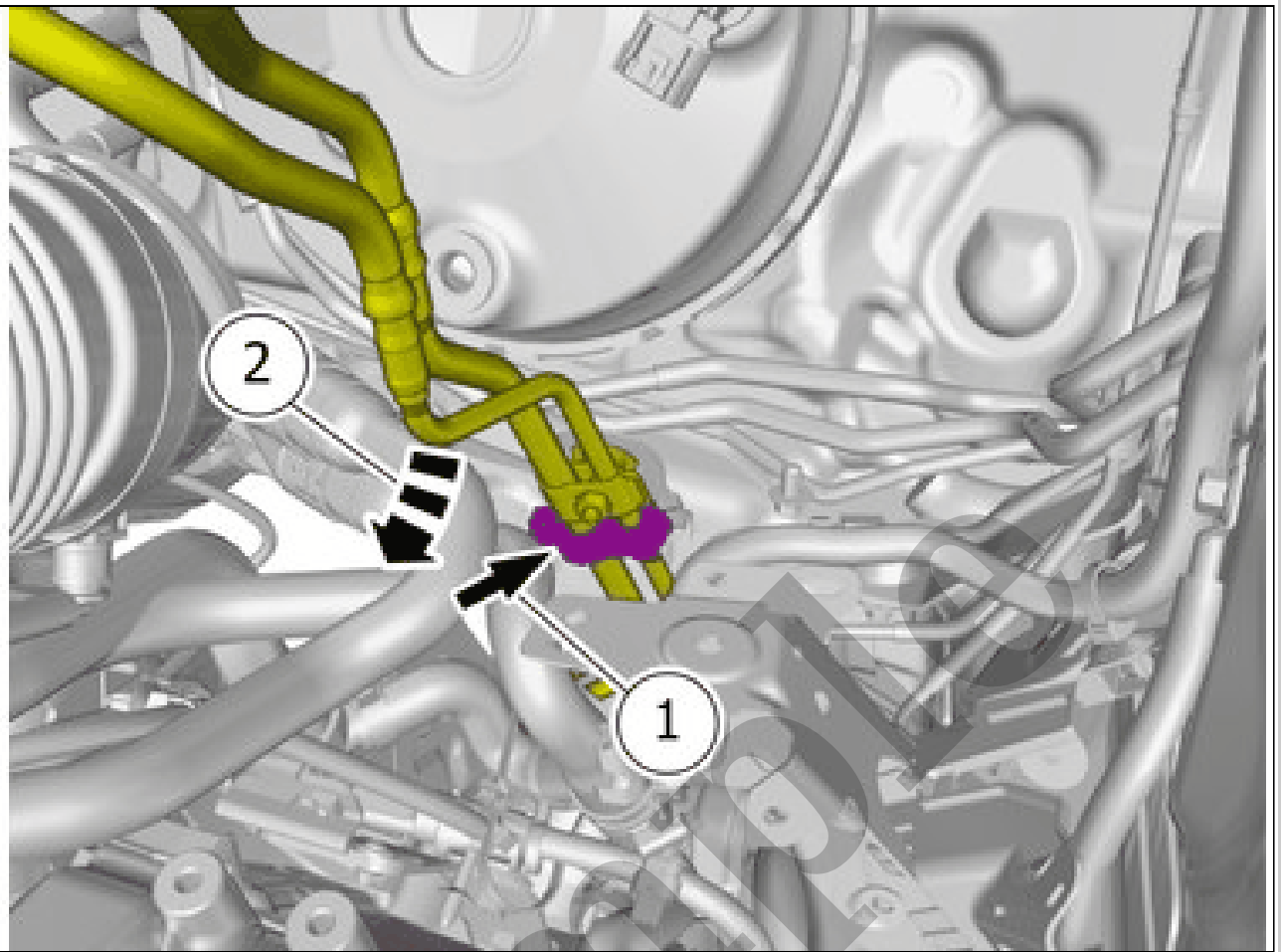
The brake pedal switch is directly connected to the Central Electronics Module (CEM).

BRAKE VACUUM SENSOR > BRAKE VACUUM SENSOR (7/160) [2018-2022, B4204T18 | 2019-2022, B4204T47] > DESCRIPTION

The brake vacuum sensor monitors the vacuum level for the brake system.

BRAKE VACUUM SENSOR > BRAKE VACUUM SENSOR (7/160) [2018-2022, B4204T18 | 2019-2022, B4204T47] > DIAGNOSTIC INFORMATION

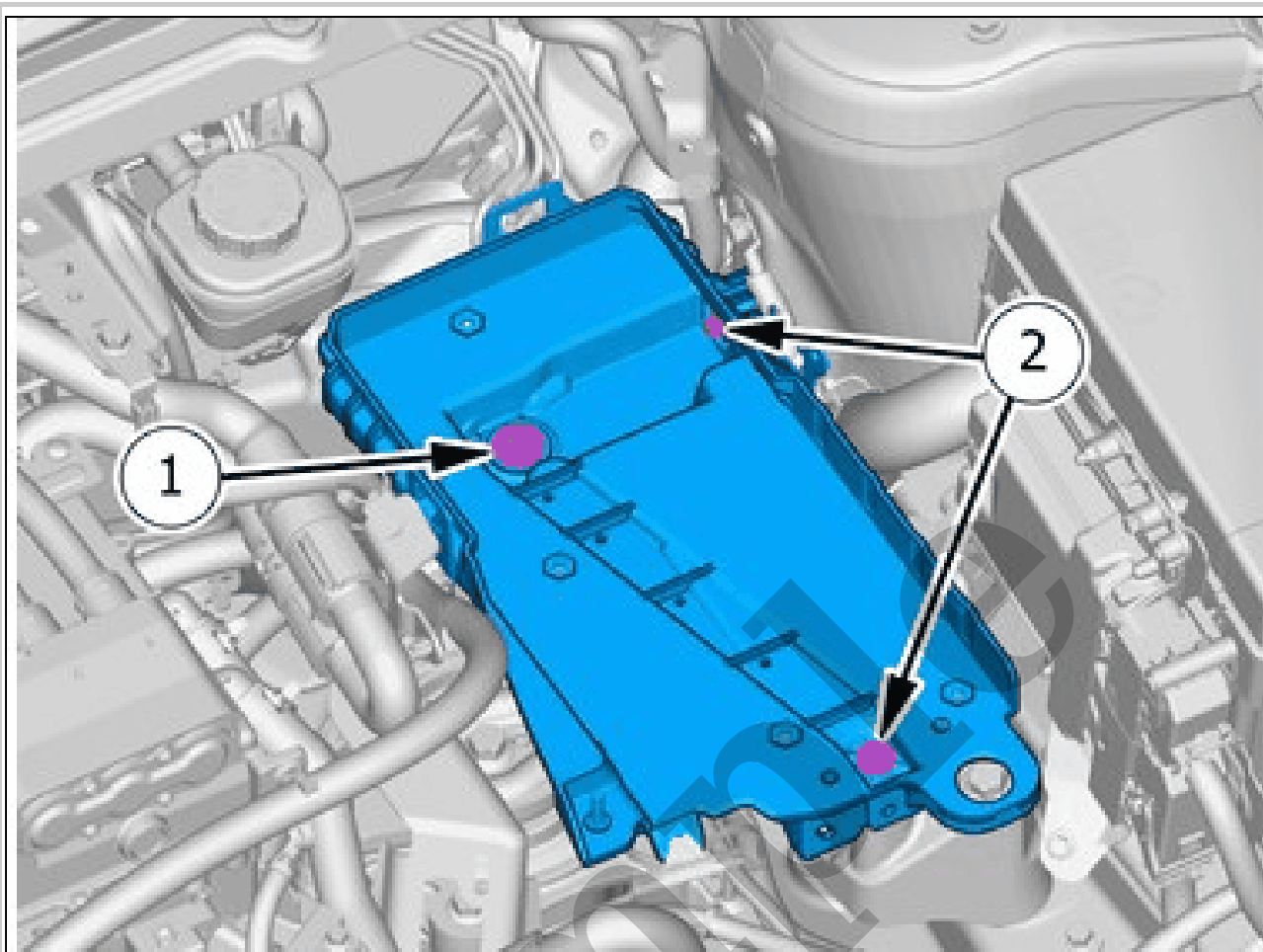
The brake vacuum sensor does not have a built-in diagnostic system. The Vehicle Dynamics Domain Master (VDDM) monitors the sensor and sets DTCs and readable parameters.



Courtesy of VOLVO CARS CORPORATION

Caution

1. Loosen the clip.
2. Fold marked part aside.

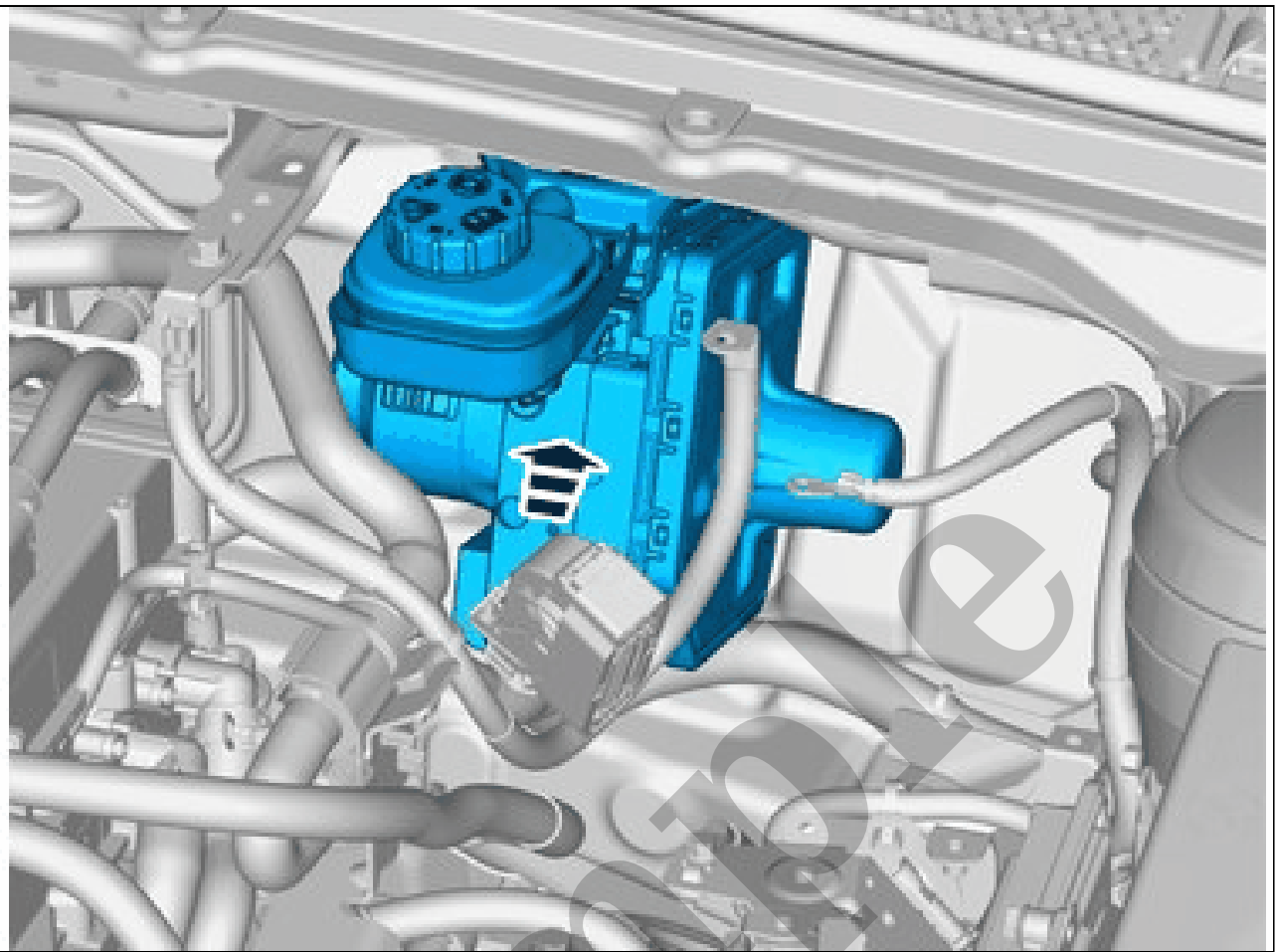


Courtesy of VOLVO CARS CORPORATION

Remove the screws.
Remove the marked part.

1. **Torque:** M8, 24Nm

2. **Torque:** Battery box, to Body, 13Nm



Courtesy of VOLVO CARS CORPORATION

Remove the marked part.
Remove the part carefully

BRAKE BOOSTER > BRAKE BOOSTER [2021-2022, E400V6] > INSTALLATION

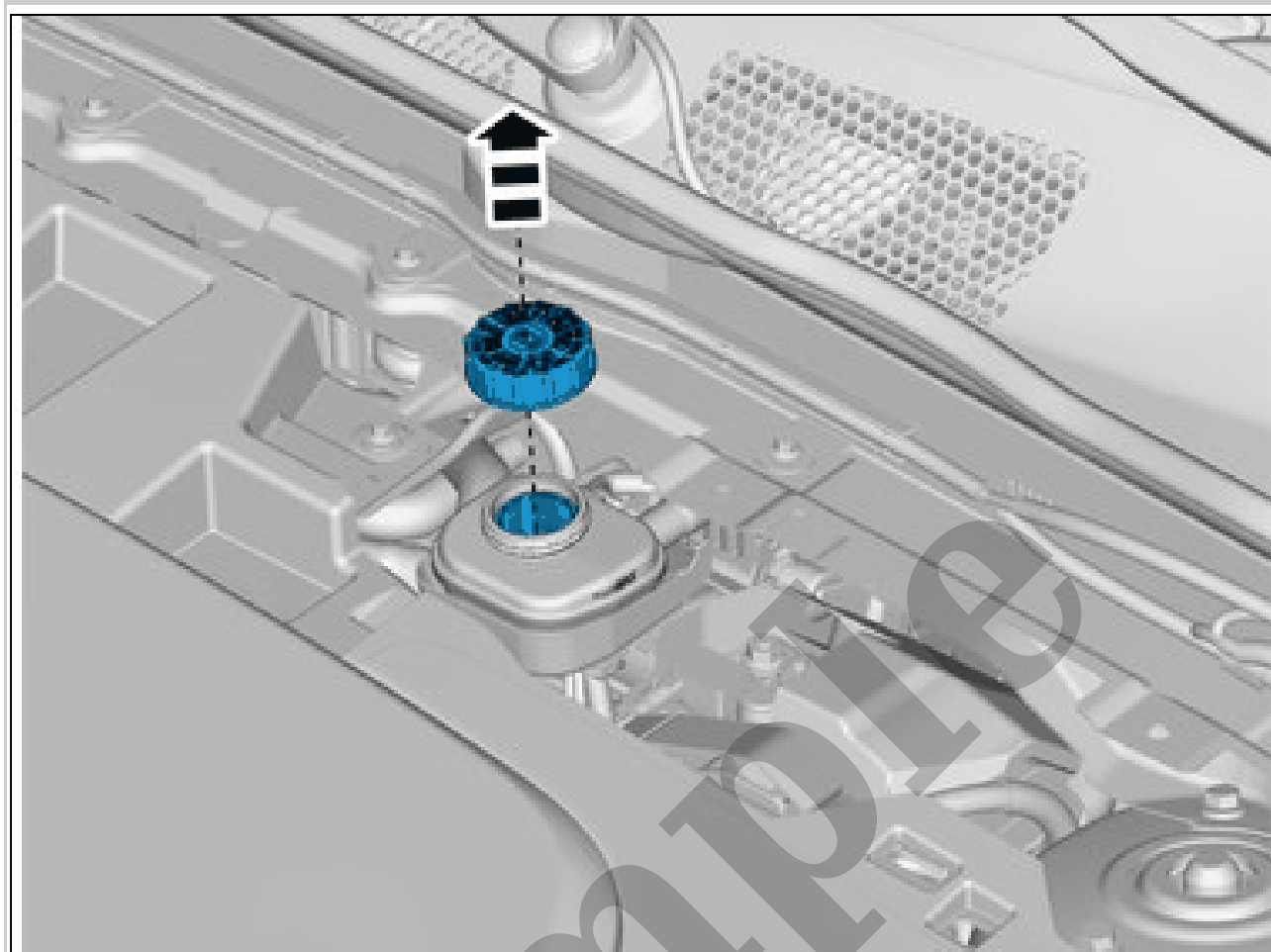
To install, reverse the removal procedure.

CAUTION: *Make sure that new nuts are installed.*

NOTE: *Use new seals.*

NOTE: *Make sure that the seal is correctly located.*

Perform bleeding air brake system. Refer to: BRAKE SYSTEM BLEEDING

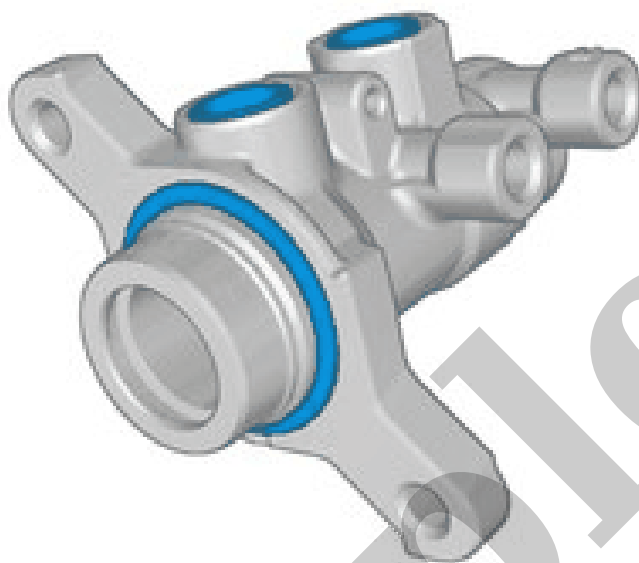


Courtesy of VOLVO CARS CORPORATION

Remove the marked detail/details.

Drain the reservoir.

Use: Liquid extractor



Courtesy of VOLVO CARS CORPORATION

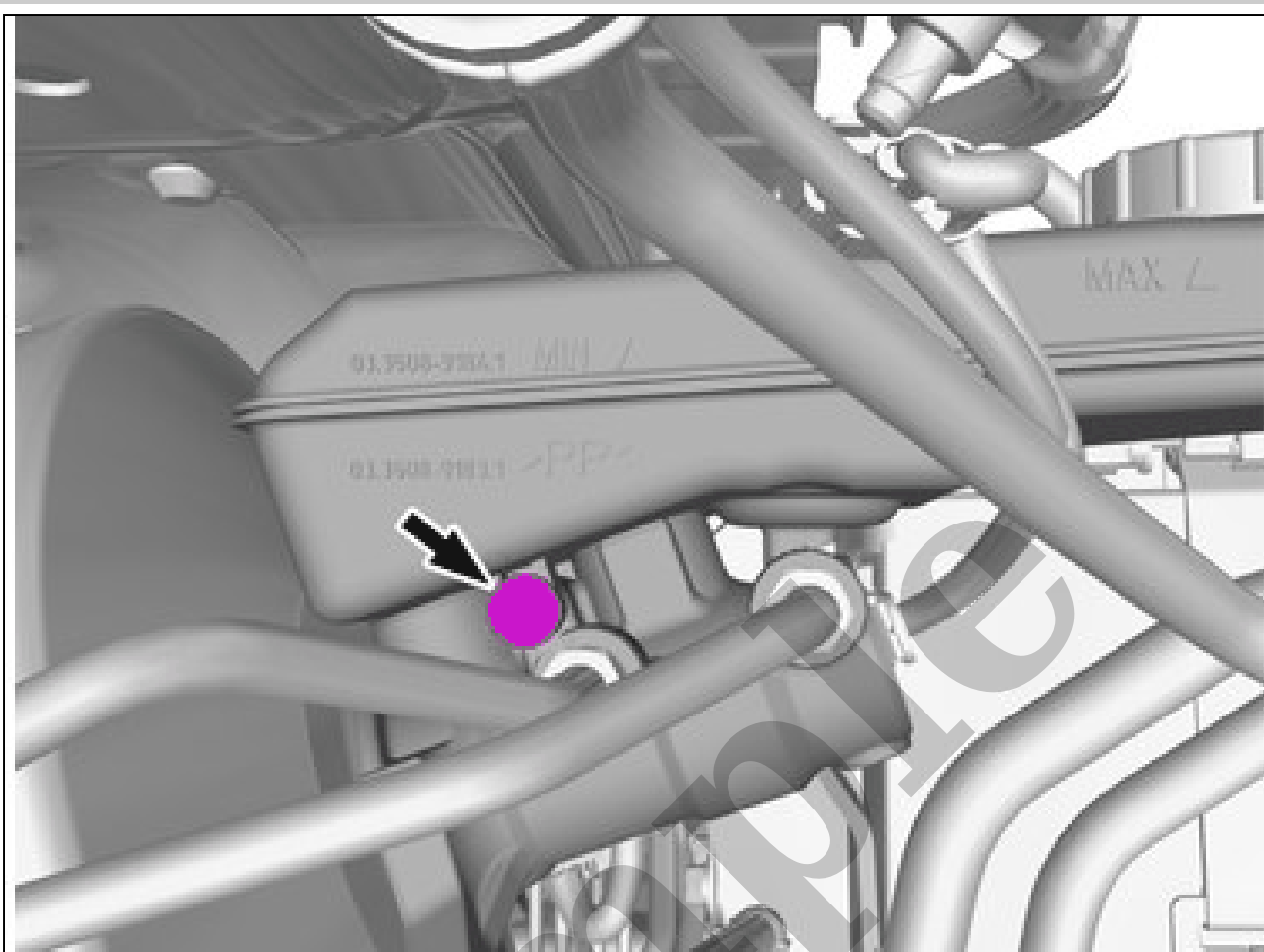
NOTE: *Use new seals.*

To install, reverse the removal procedure.
Perform bleeding air brake system. Refer to: BRAKE SYSTEM BLEEDING

RESERVOIR, BRAKE FLUID > RESERVOIR, BRAKE FLUID [2021-2022, E400V6] > REMOVAL

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

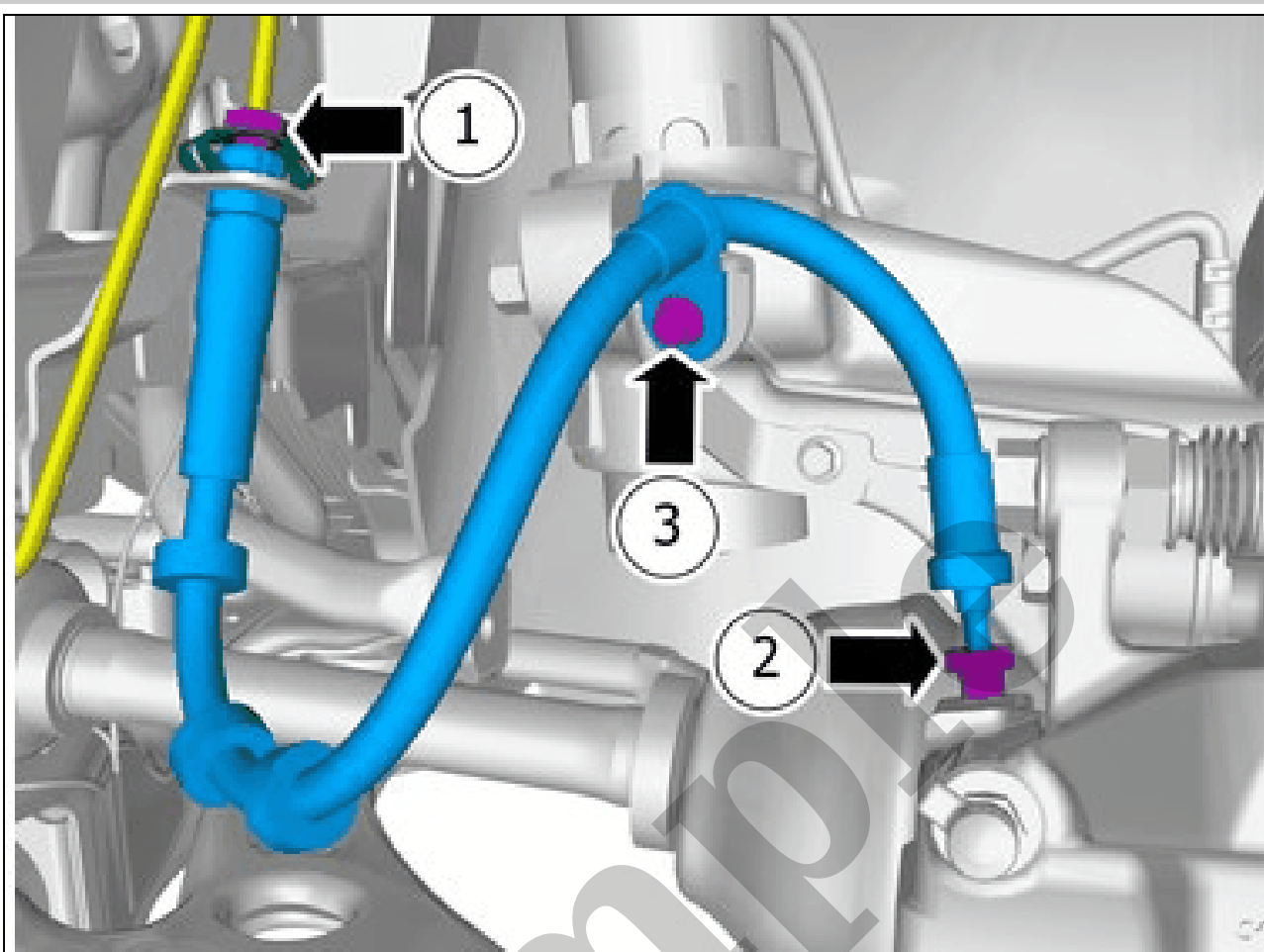
Remove brake booster. Refer to: BRAKE BOOSTER



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Remove the screw.

Torque: M5, 5Nm



Courtesy of VOLVO CARS CORPORATION

Detach the following items:

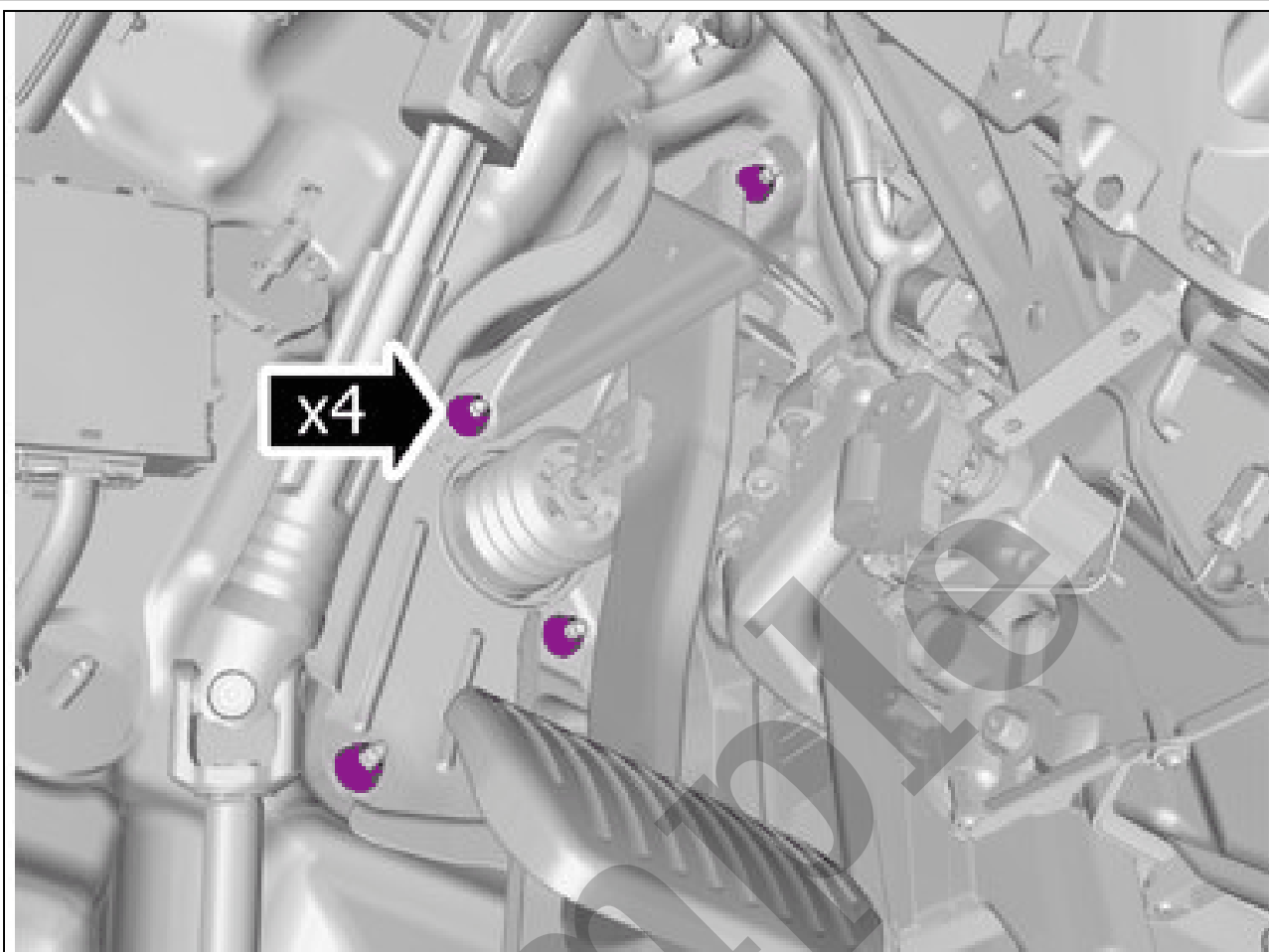
1. **Torque:** Ø6 mm diameter brake line, 14Nm
2. **Torque:** Brake hose to front brake caliper, 17Nm
3. **Torque:** M5, 5Nm

FRONT BRAKE FLEXIBLE HOSE > FRONT BRAKE FLEXIBLE HOSE [2018-2022] > INSTALLATION

To install, reverse the removal procedure.

WARNING: Make sure that the brake hose is not twisted and is correctly located.

Perform bleeding air brake system. Refer to: BRAKE SYSTEM BLEEDING



Courtesy of VOLVO CARS CORPORATION

Remove the nuts.

Torque: M8, 24Nm