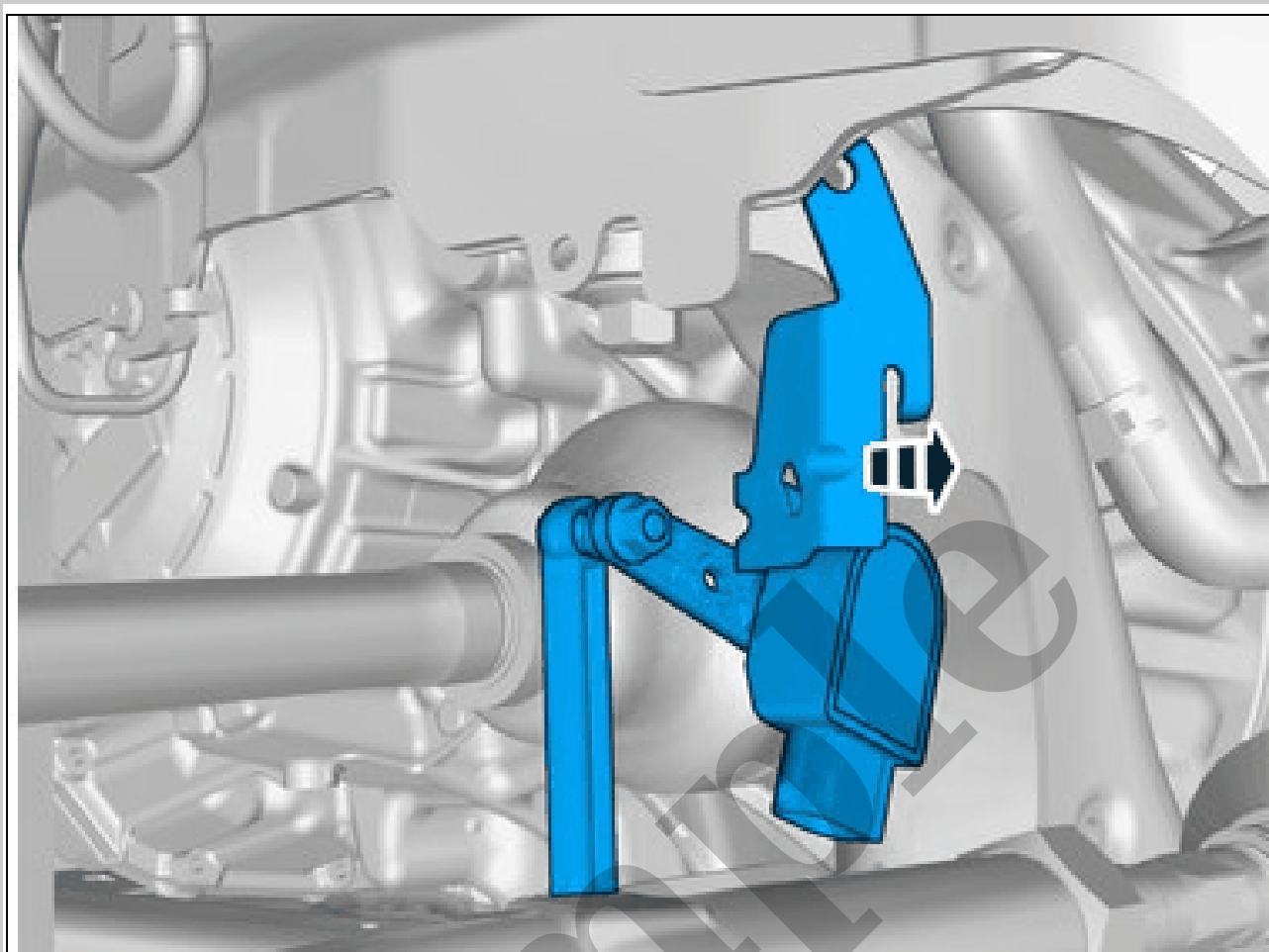


Your Ultimate Source for OEM Repair Manuals

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.

Volvo C40 2023 Manual - Service & Repair Workshop Guide

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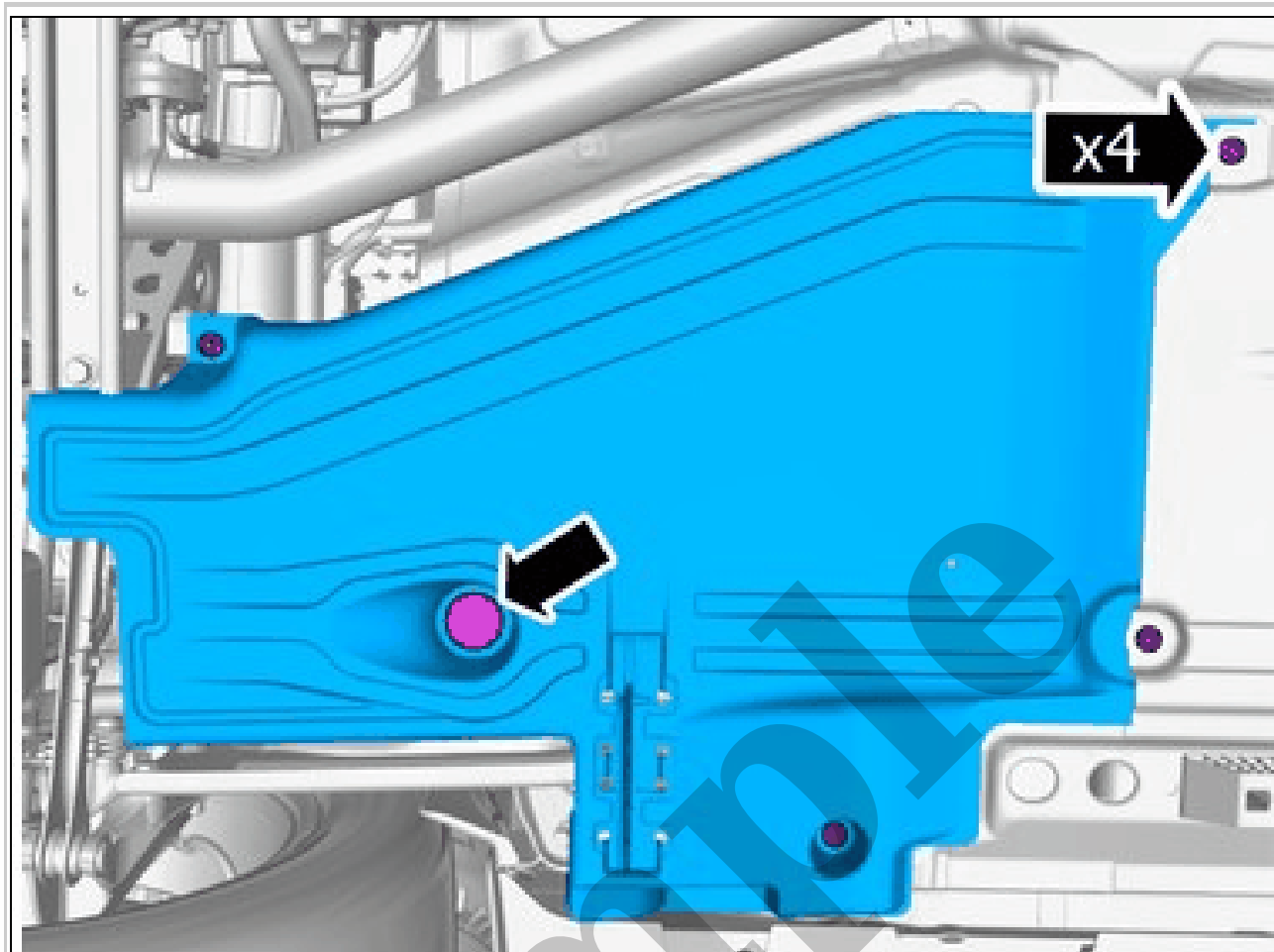


Courtesy of VOLVO CARS CORPORATION

Remove the marked part.

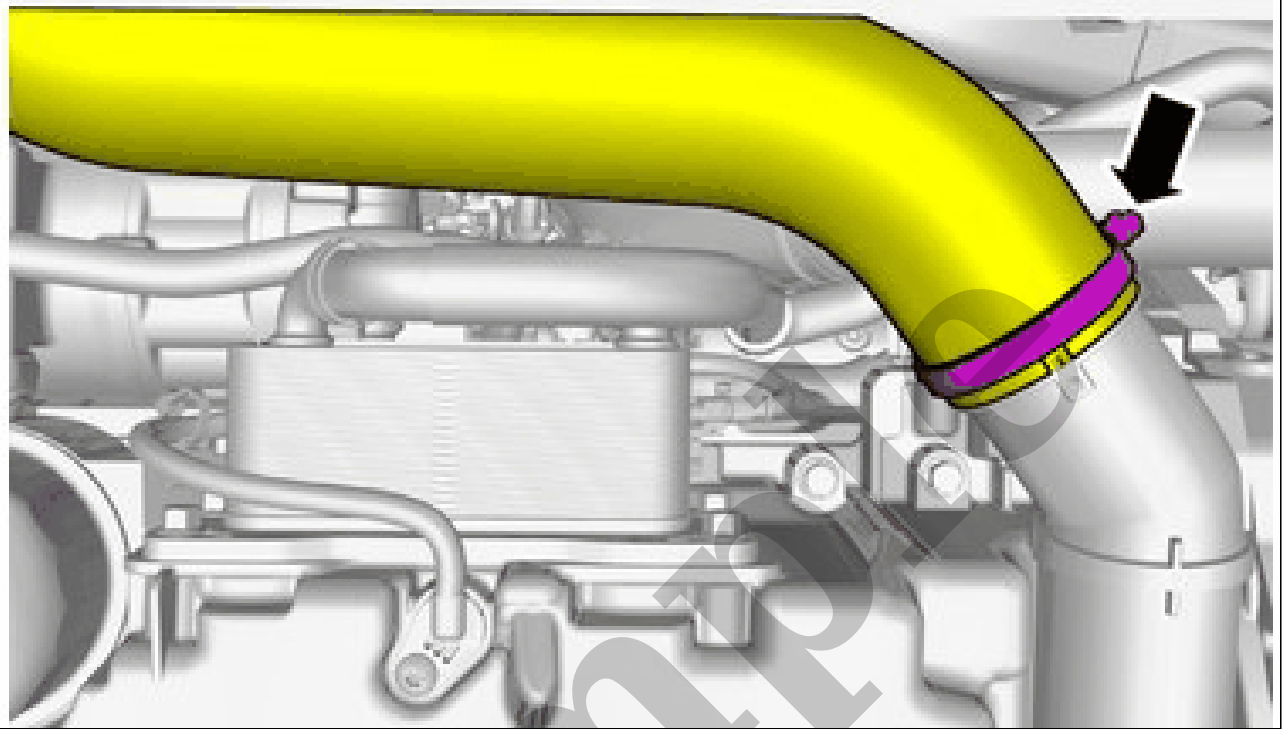
POSITION SENSOR, WHEEL SUSPENSION FRONT > POSITION SENSOR, WHEEL SUSPENSION FRONT [2018-2022] > INSTALLATION

To install, reverse the removal procedure.



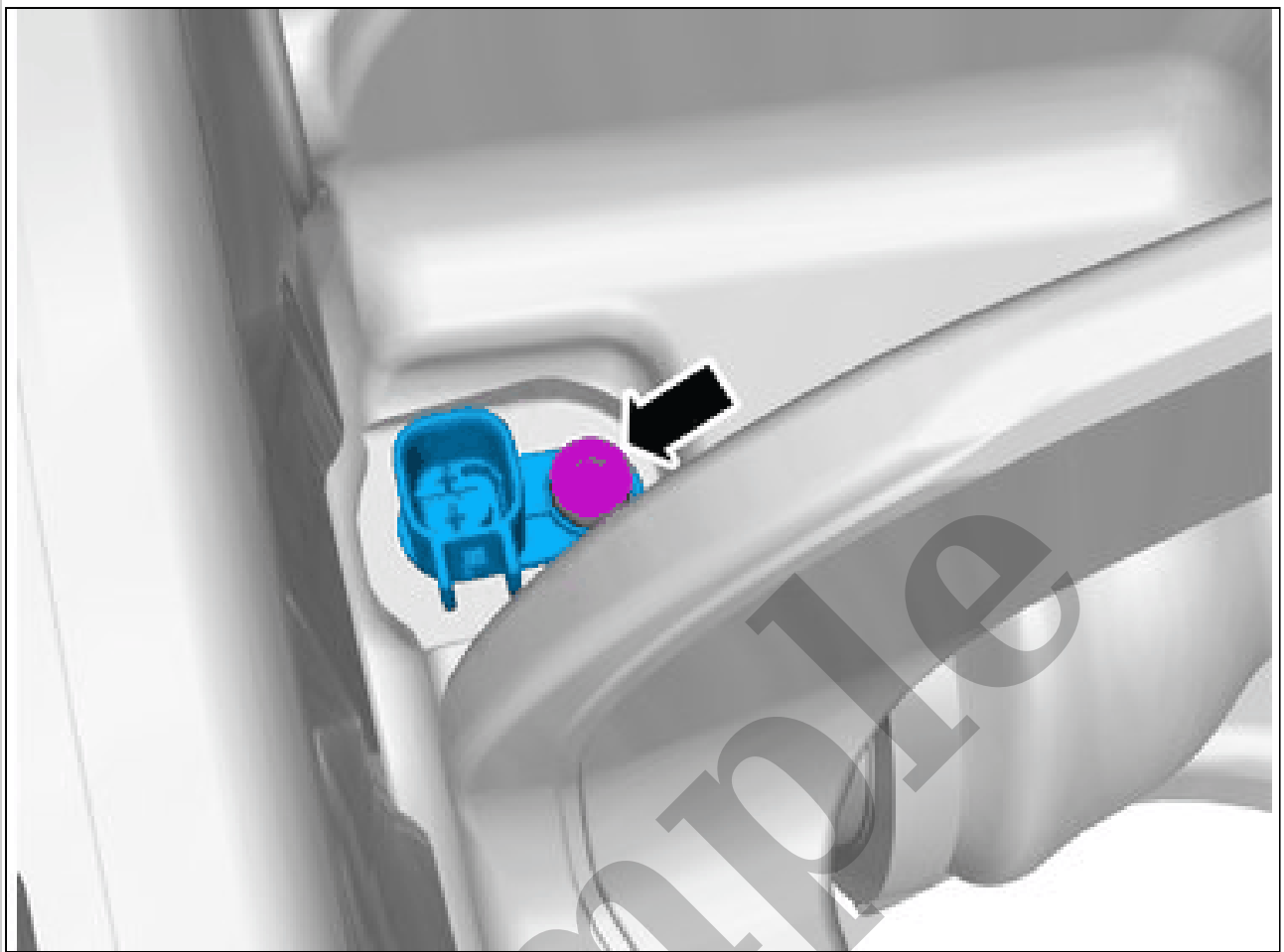
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Remove the nuts.
Remove the clip.



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Loosen the hose clamp.
Loosen the component indicated. Do not remove it.



Courtesy of VOLVO CARS CORPORATION

Remove the screw.

Torque: Rpm sensor for wheel spindle, 10Nm

Remove the marked part.

WHEEL SPEED SENSOR, FRONT > WHEEL SPEED SENSOR, FRONT [2018-2022] > INSTALLATION

To install, reverse the removal procedure.

WHEEL SPEED SENSOR, REAR > WHEEL SPEED SENSOR, REAR [2018-2022] > REMOVAL

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

Remove the wheel. Refer to: WHEELS

The Engine Control Module (ECM) communicates with the Vehicle Computational Unit 1 (VCU1) via CAN.

SENSOR, ACCELERATOR PEDAL > SENSOR, ACCELERATOR PEDAL (7/51) [2018-2022] > DESCRIPTION

The sensor, accelerator pedal, is used to provide the Engine Control Module (ECM) with the position of the accelerator pedal. The pedal sensor has two contactless inductive sensors which measure the accelerator pedal position. Both sensors are connected to the Engine Control Module (ECM). One sensor sends a PWM signal and the other sensor sends an analog signal. Each sensor captures the same information and in a fault-free system the PWM signal is used. Otherwise, the signal from the sensor with the lowest value is used.

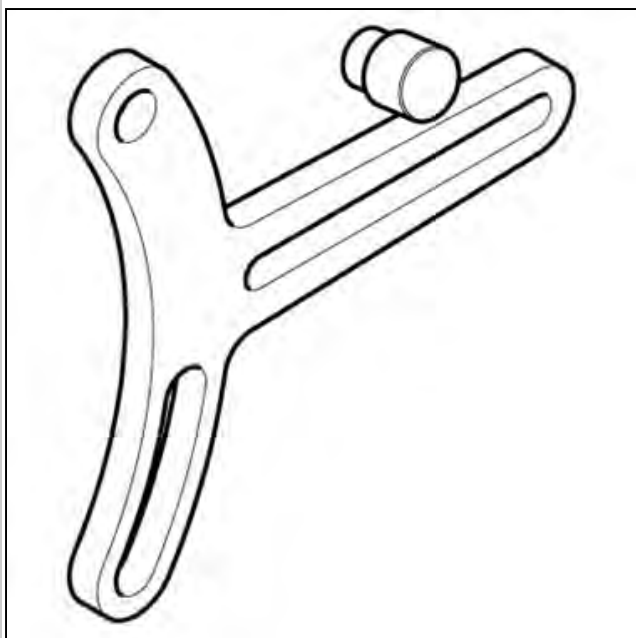
The PWM sensor is supplied with 12 V while the analog sensor is supplied with 5 V.

SENSOR, ACCELERATOR PEDAL > SENSOR, ACCELERATOR PEDAL (7/51) [2018-2022] > DIAGNOSTIC INFORMATION

The sensor, accelerator pedal, does not have any built-in diagnostics. The Engine Control Module (ECM) monitors the sensor and sets DTCs and readable parameter values.

SENSOR, ACCELERATOR PEDAL > SENSOR, ACCELERATOR PEDAL (7/51) [2018-2022] > CONNECTION AND COMMUNICATION

The sensor, accelerator pedal, is directly connected to the Engine Control Module (ECM).



999 7555 Mounting

Tool number: 999 7555

Tool description: Mounting

Tool boards: 50

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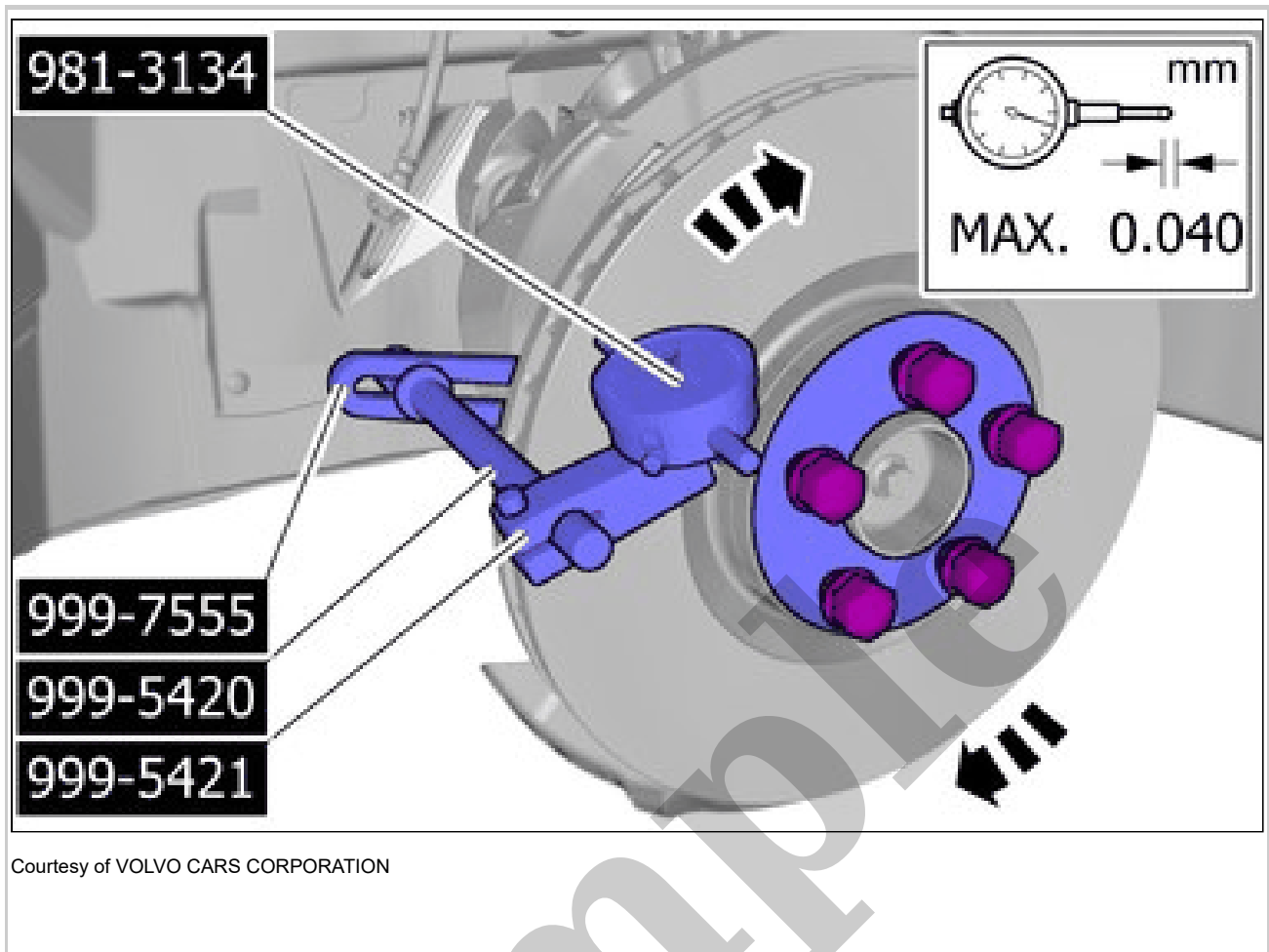
981 3134 DIAL INDICATOR

Tool number: 981 3134

Tool description: DIAL INDICATOR

Tool boards:

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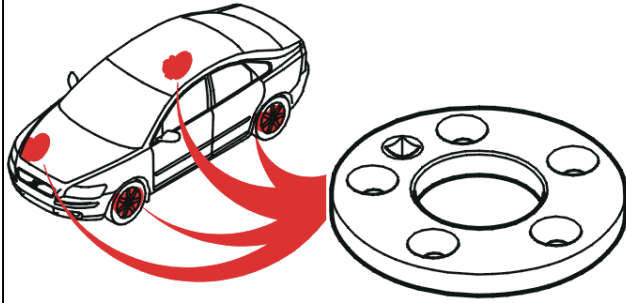
Special Tool: 981 3134 Special Tool: 999 5420 Special Tool: 999 5418 Special Tool: 999 7555
 Slowly rotate the brake disc and note the dial indicator gauge readings.

NOTE: *The following steps are only necessary when installing a new component.*

Perform wheel hub front, checking. Refer to: WHEEL HUB FRONT, CHECKING
 Remove the front brake disc. Refer to: FRONT BRAKE DISC
INSTALLATION
 Install brake caliper front. Refer to: FRONT BRAKE CALIPER

BRAKE PADS, FRONT, CHECK > BRAKE PADS, FRONT, CHECK [2018-2022]

SPECIAL TOOLS



9995418B
9995773B

VOLVO
999 7104

999 7104 Clamp ring
Tool number: 999 7104
Tool description: Clamp ring
Tool boards: 61

Courtesy of VOLVO CARS CORPORATION



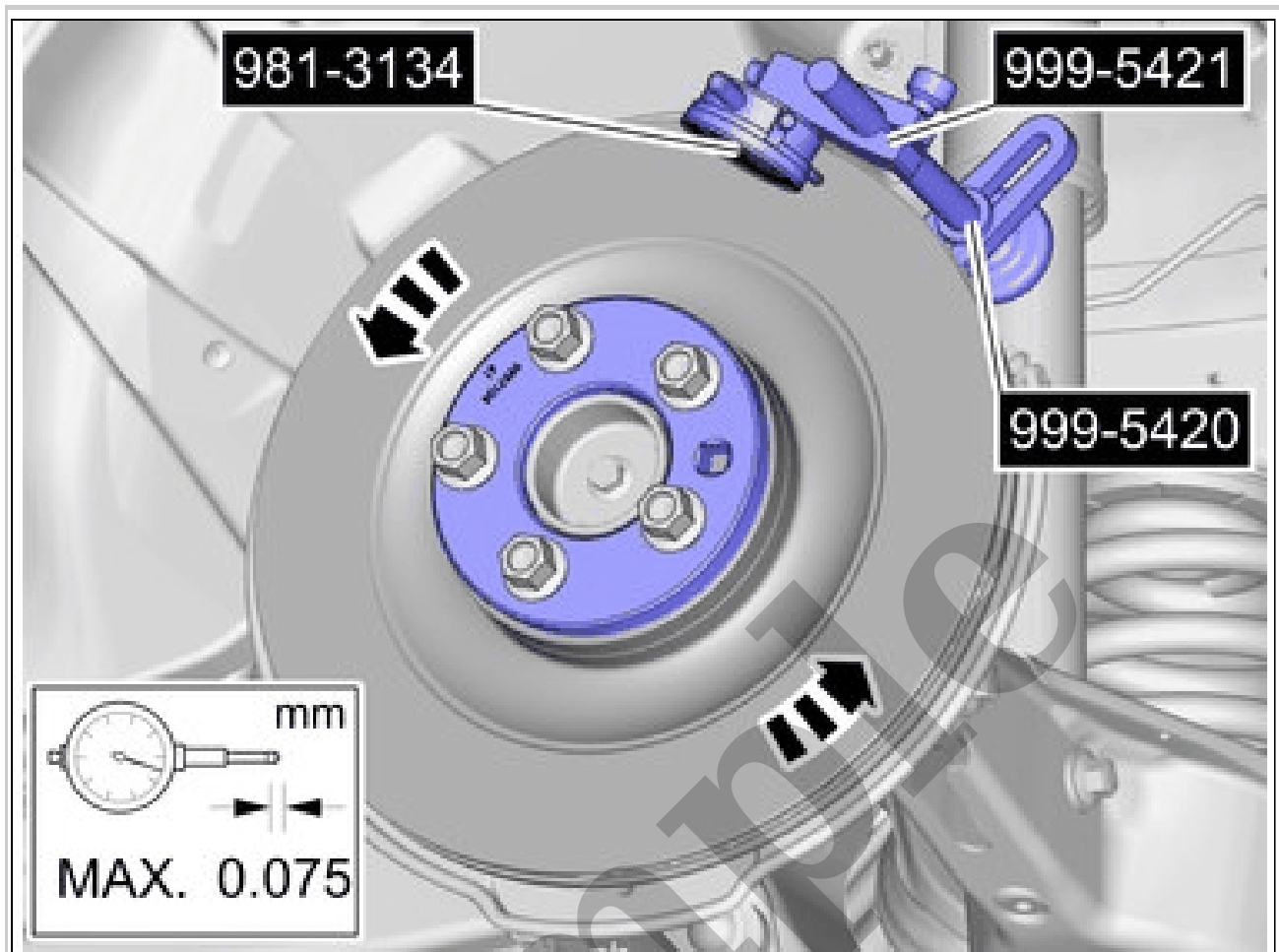
999 5420 Mounting
Tool number: 999 5420
Tool description: Mounting
Tool boards: 50

Courtesy of VOLVO CARS CORPORATION



981 3134 DIAL INDICATOR
Tool number: 981 3134
Tool description: DIAL INDICATOR
Tool boards:

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Courtesy of VOLVO CARS CORPORATION

Slowly rotate the brake disc and note the dial indicator gauge readings.
Special Tool: 981 3134 Special Tool: 999 5420 Special Tool: 999 5418

INSTALLATION

Install brake calliper rear. Refer to: REAR BRAKE CALIPER

NOTE: *This step is only necessary when installing a new component.*

Perform wheel hub rear, checking. Refer to: WHEEL HUB REAR, CHECKING

BRAKE PADS, REAR, CHECK > BRAKE PADS, REAR, CHECK [2018-2022]

SPECIAL TOOLS