SIB 34 01 21 2021-05-19

Soft Rear Brake Pressure Point

This Service Information Bulletin replaces SI 34 01 21 **dated January 2021**.

MODEL

Model	Model Description	Production Date Range
K50	R 1200/1250 GS	Sept 1, 2012 – Aug 31, 2020
K51	R 1200/1250 GSA	Sept 1, 2012 – Aug 31, 2020

SITUATION

During operation of the rear wheel foot brake lever, the rider feels a soft pressure point or perceptibly longer lever travel.

Due to the ABS pump and model-specific conditions, small amounts of air may enter the control circuit of the rear brake system successively. With continual usage, this air can be perceived by the rider as a “soft pressure point” or “substantial lever travel” when only using the rear brake lever.

When using the front brake lever on bikes with partial integral brakes, the pressure for the rear brake is generated by the ABS pump which bypasses the use of the rear control circuit (rear brake lever). Thus:

- If there is air in the rear control circuit (between the rear lever brake master cylinder and the ABS module), it would not affect the rear braking during partial integral braking.
- If there is air in the rear wheel circuit (ABS pump to the rear caliper), the ABS pump can compress this small amount of air to where there is no perceptible change for the rider.

Therefore, the soft brake pressure is only perceptible when using the rear brake lever.

PROCEDURE

Bleed the rear brake circuit manually in accordance with the repair instructions, then work through the following service procedure:

- “Brake system: soft pressure point”, calculate test plan
- Perform the service procedure "Check brake pressure point"

Note: See attachment for detailed screenshots of the steps above.

Continue to bleed the rear brake circuit thoroughly, including bleeding of the ABS module using ISTA. Perform this routine 2 times.

After the system is completely bled and no more air present, apply pressure to the rear brake circuit by attaching weight of 22-33 lbs. (10 to 15 kg) to the rear brake lever for at least 12 hours.

Flush the brake system again (at least 2x the contents of the reservoir).

As a final step, retrofit the vehicle with "Harder brake pressure point on rear wheel brake" using ISTA version 4.26.36 or greater.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Motorcycles and Scooters.

Defect code

34 00 90 72 00	Rear Brake System Incorrectly Bled

Labor Operation

12 00 014	Carry out vehicle test with diagnostics	Refer to AIR for FRU
+34 00 549	Change brake fluid at rear	Refer to AIR for FRU
+34 99 000	Working time without brake specification	Tech Punch time
+61 00 502	Check Software	Refer to AIR for FRU
+61 00 510	Program vehicle control units (with Check software)	Refer to AIR for FRU

FRUs includes all repair procedures to complete the task with allowance for necessary ancillary tasks (e.g., visual inspection, lubrication, cleaning parts etc.) and administrative tasks.

QUESTIONS REGARDING THIS BULLETIN

Technical inquires	Contact the BMW Technical Support Group via TSARA
Warranty inquires	Submit an IDS ticket to the Warranty Department
Parts inquires	Submit an IDS ticket to the Motorrad Parts Department

Supporting Materials
picture_as_pdf 34 01 21 Rear Brake-Soft Pressure Point.pdf
picture_as_pdf Serviceprgram-Soft pressure point.pdf

Service Information Bulletin

Brakes

May 19, 2021

34 01 21

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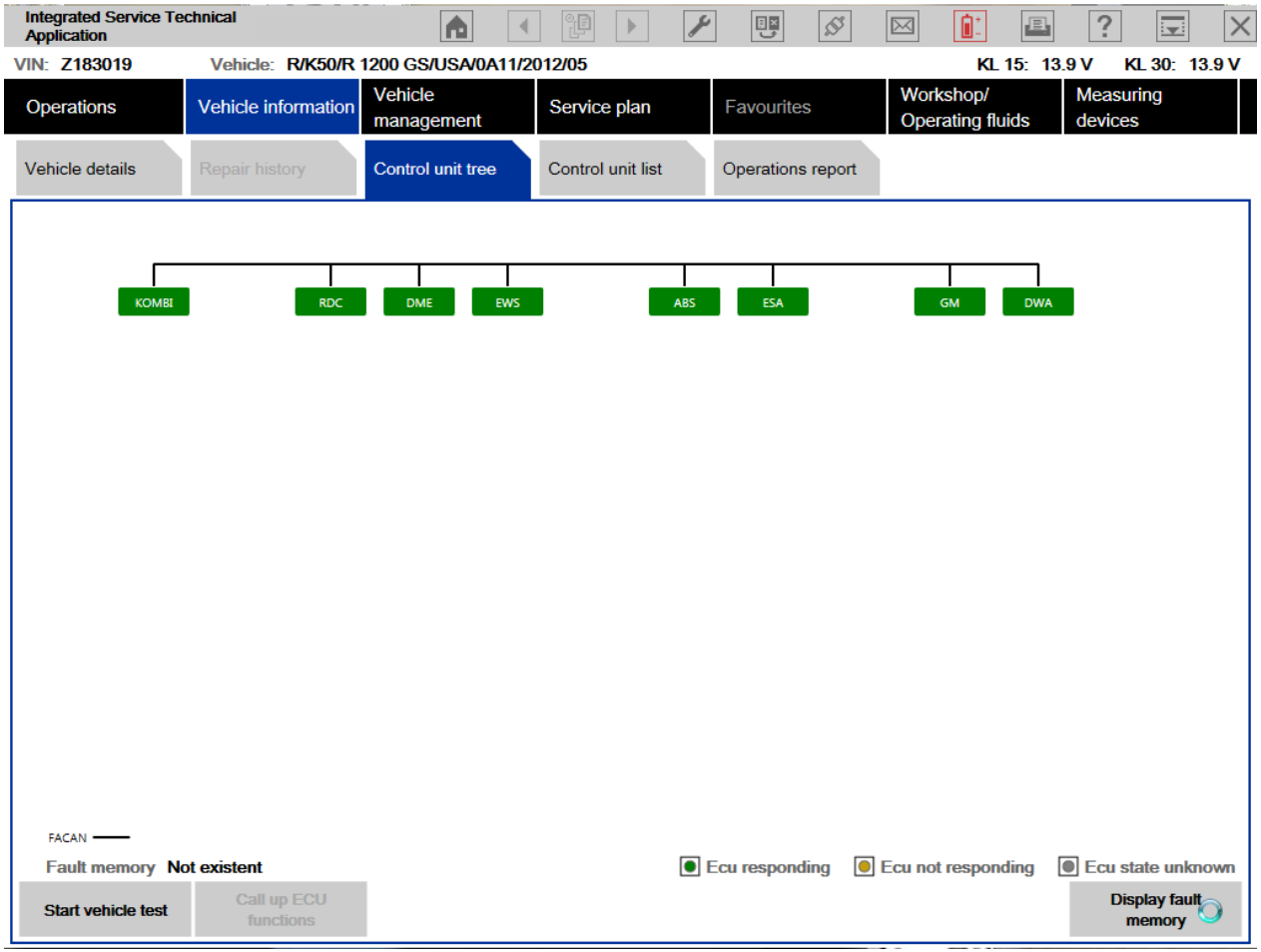
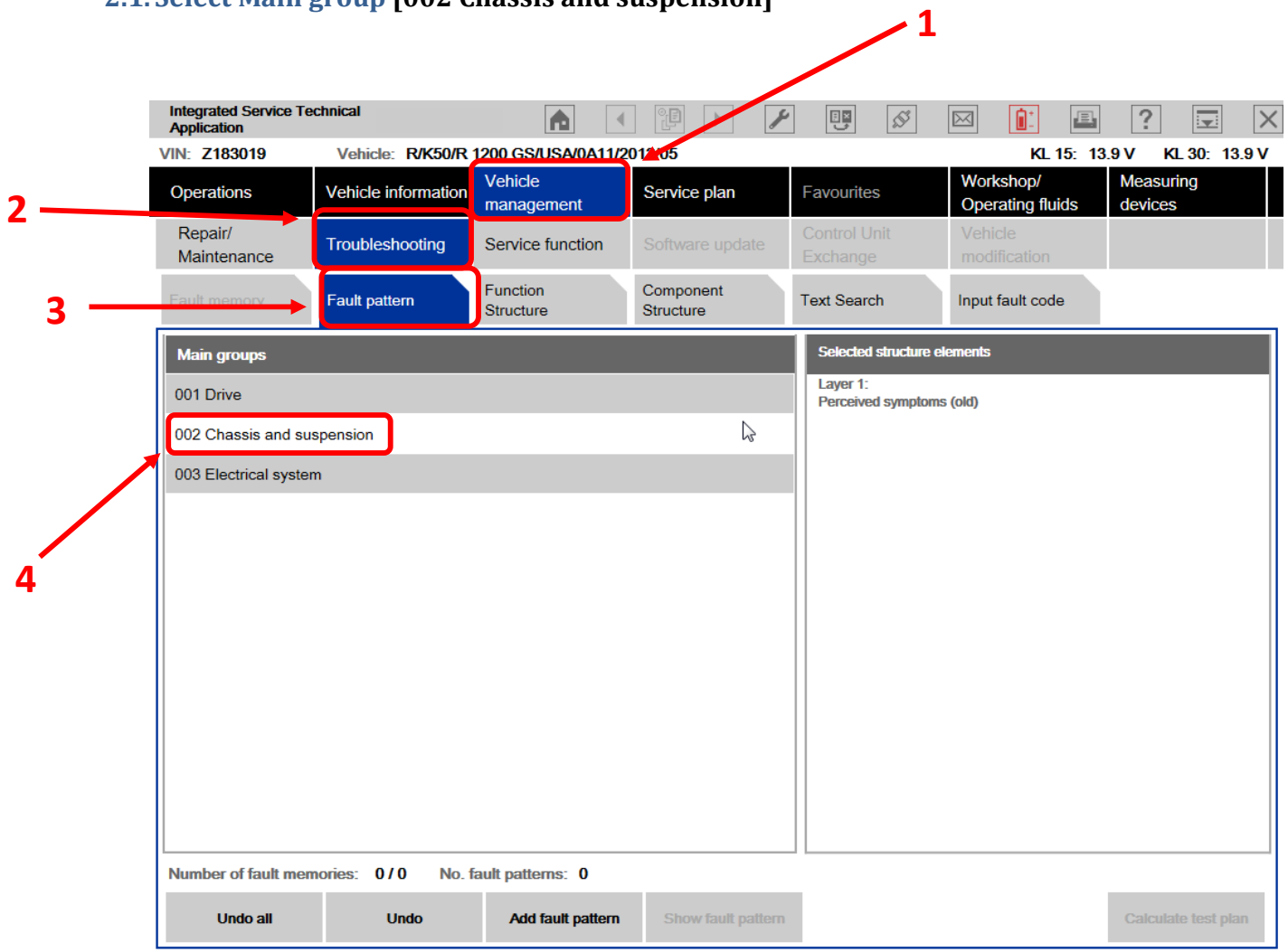
Check the brake pressure point

1. Identify motorcycle, start vehicle test



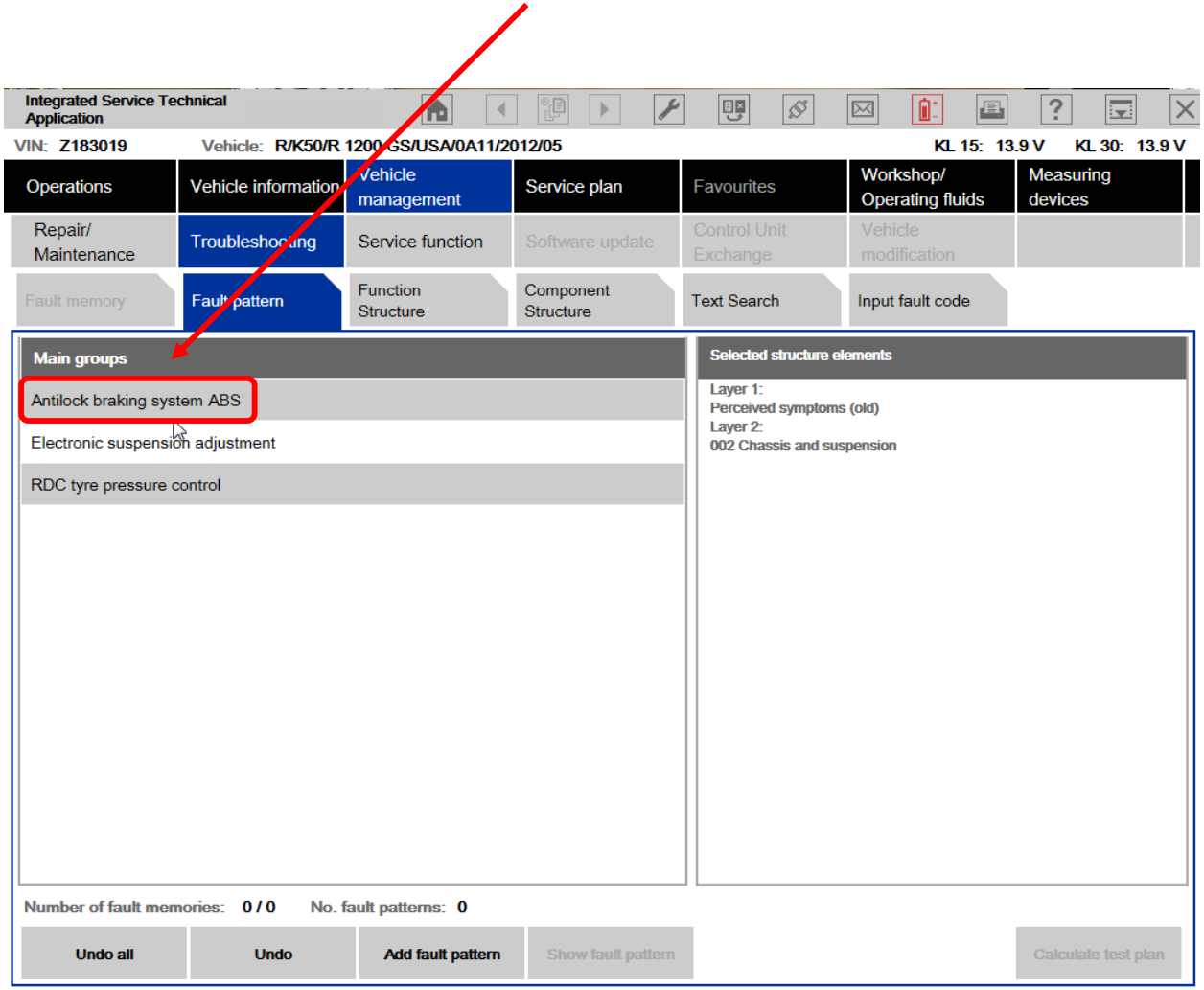
2. Select fault pattern

2.1. Select Main group [002 Chassis and suspension]



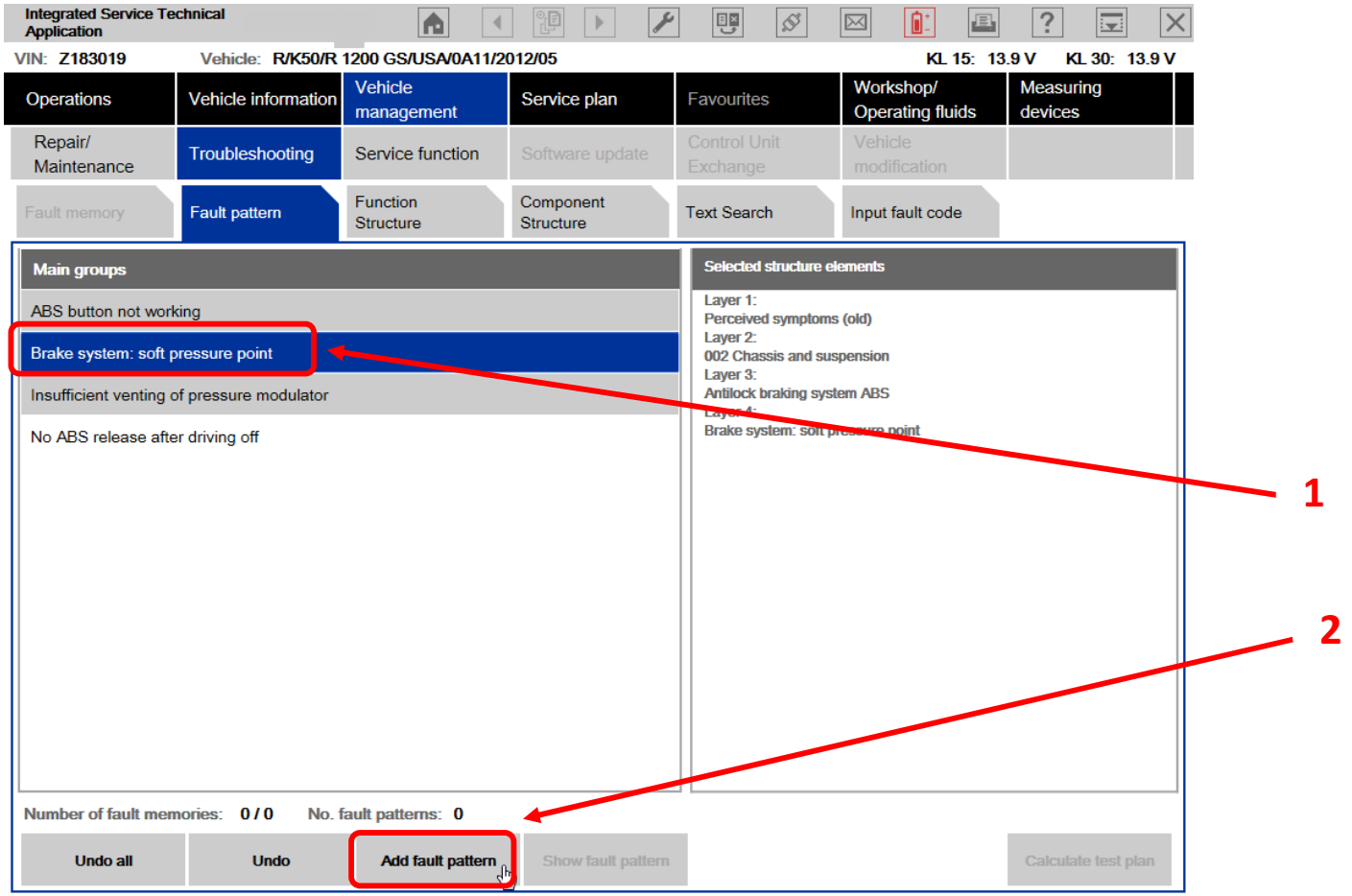
2. Select fault pattern

2.2. Select Main group [Antilock braking system ABS]

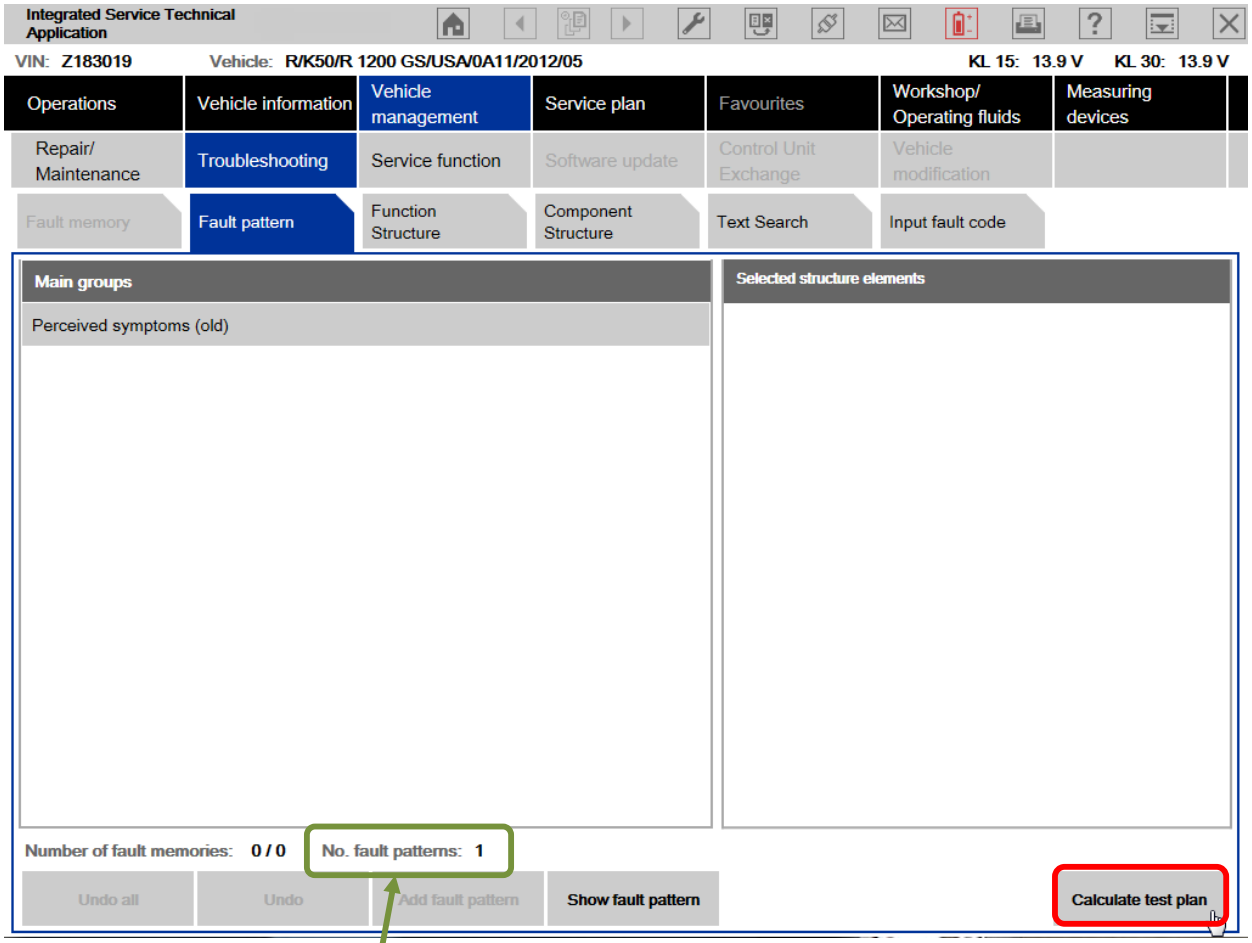


2. Select fault pattern

2.3. Select the fault pattern **[Brake system: soft pressure point]**, then push button “Add fault pattern”

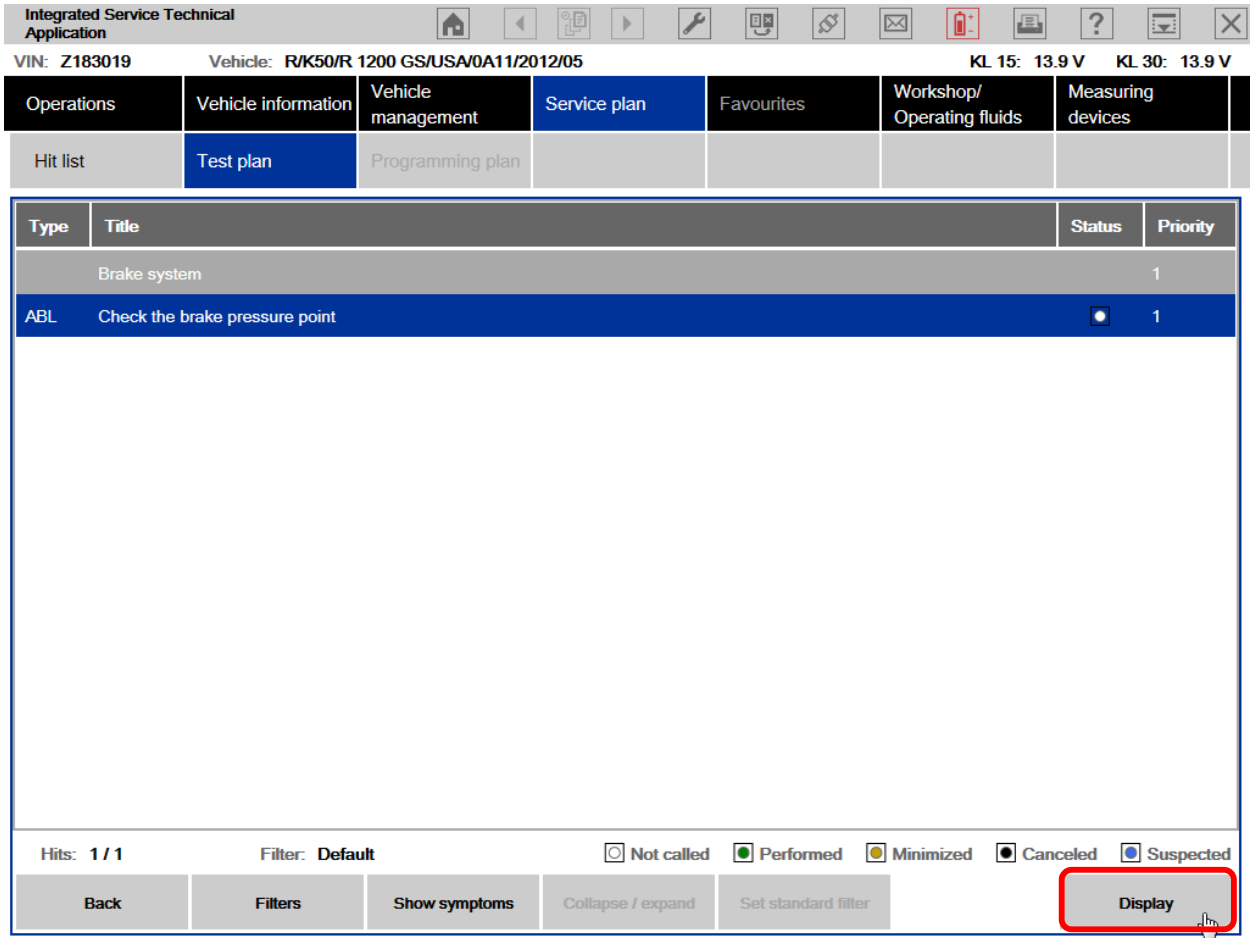


3. Calculate test plan



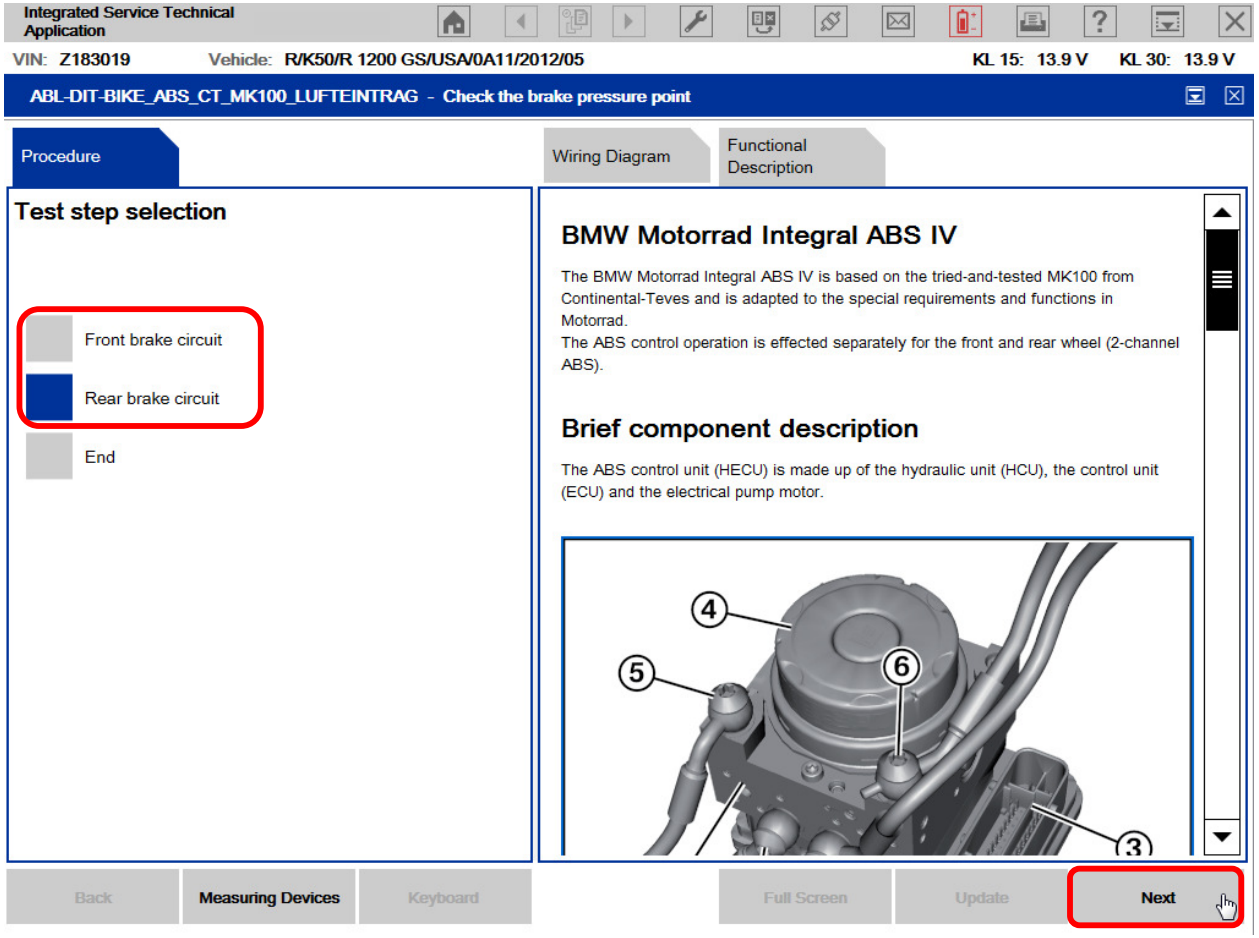
Note: fault pattern selected

4. Operate serviceprogram



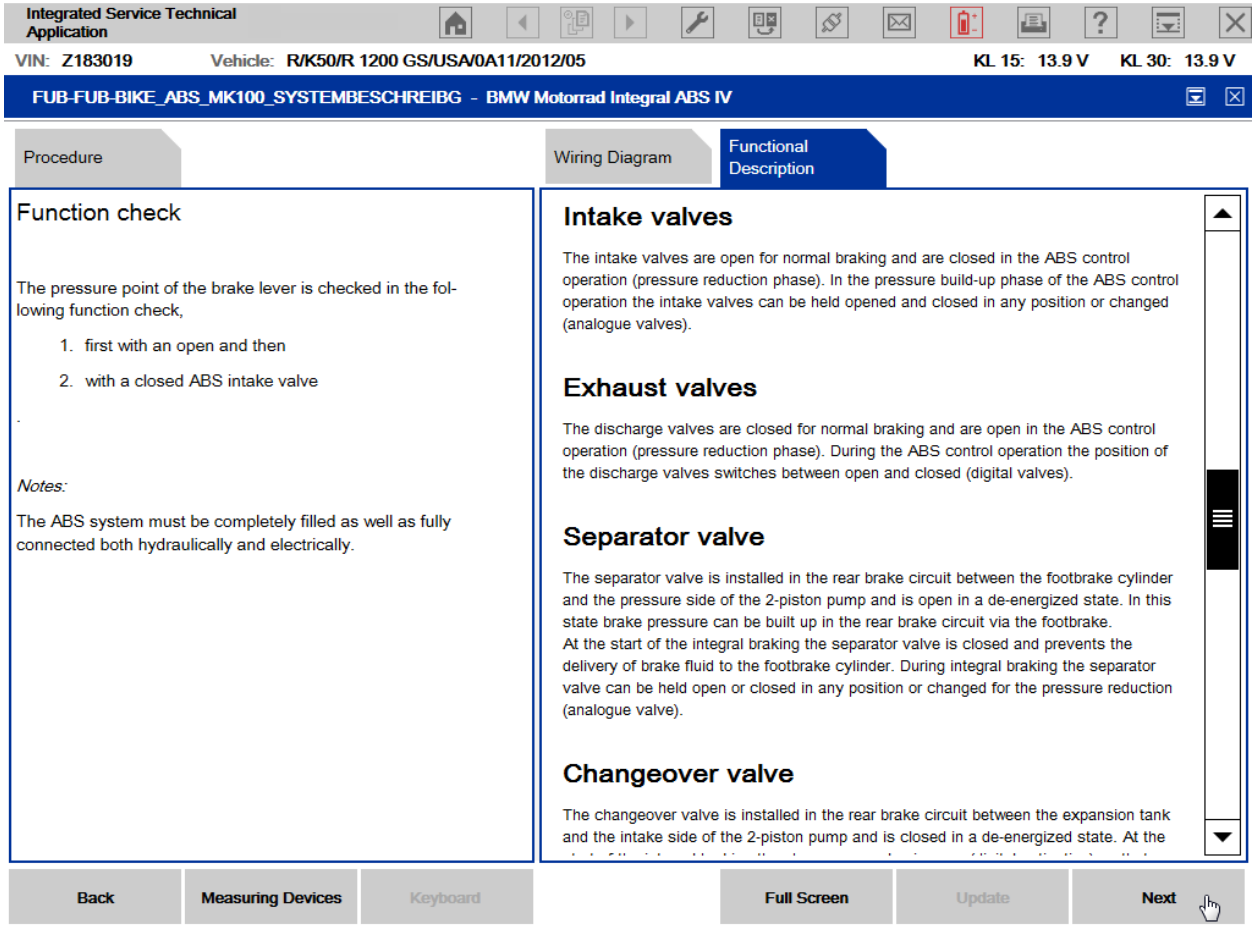
4. Operate serviceprogram

4.1. choose brake circuit



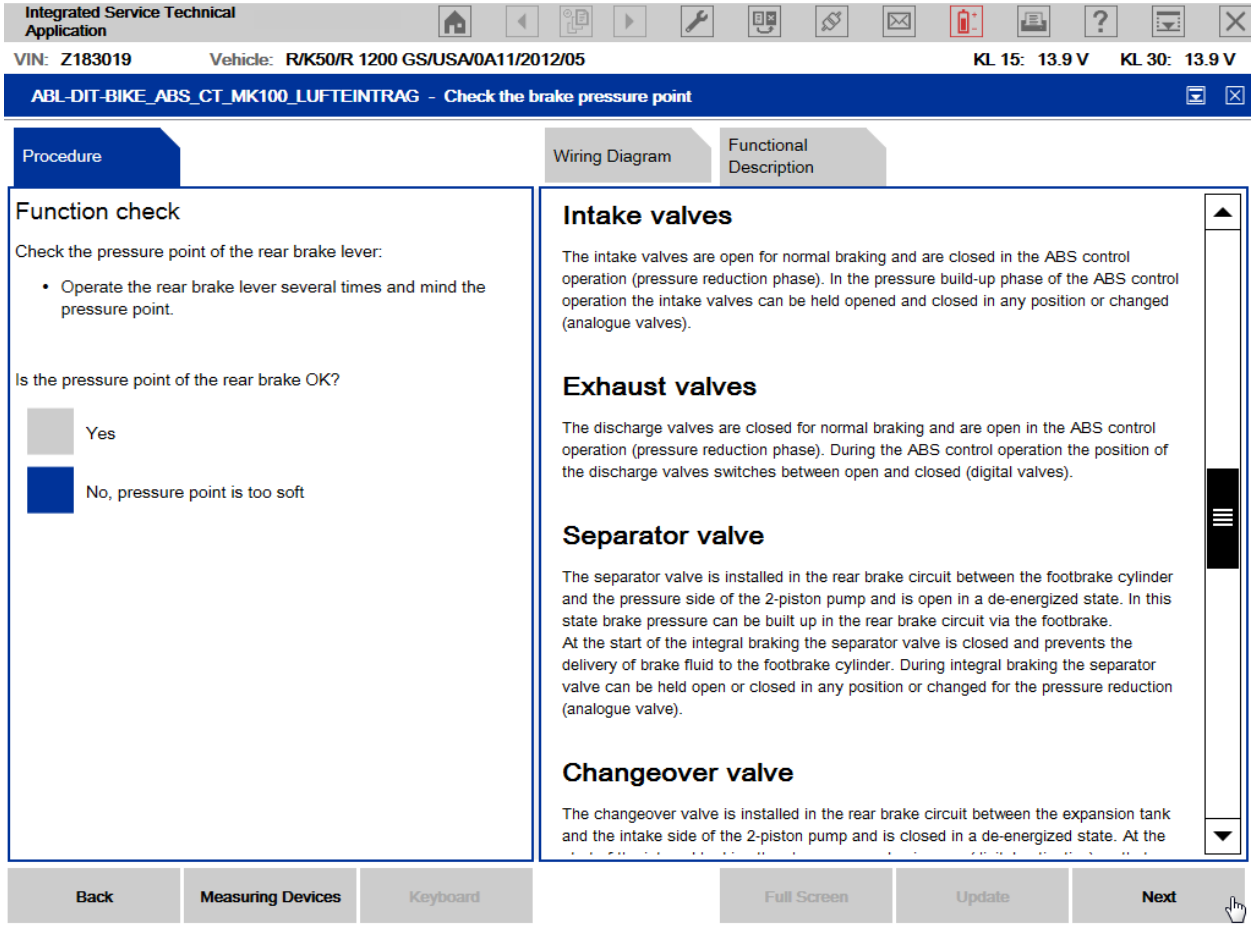
4. Operate serviceprogram

4.2. Notice instructions



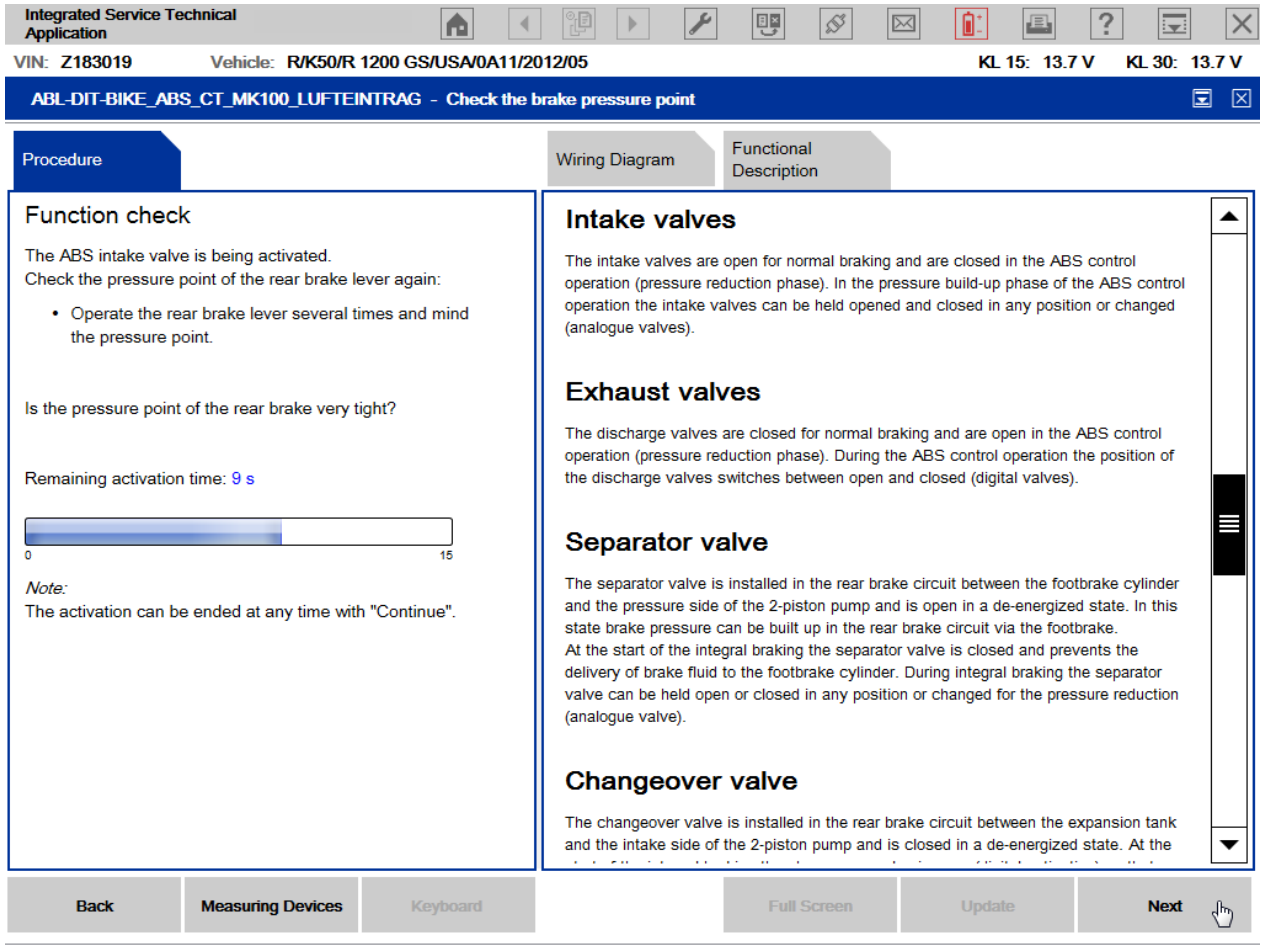
4. Operate serviceprogram

4.3. Braking system at initial state: Evaluate pressure point



4. Operate serviceprogram

4.4. Braking system while ABS-inlet valve is actuated: Evaluate pressure point again



4. Operate serviceprogram

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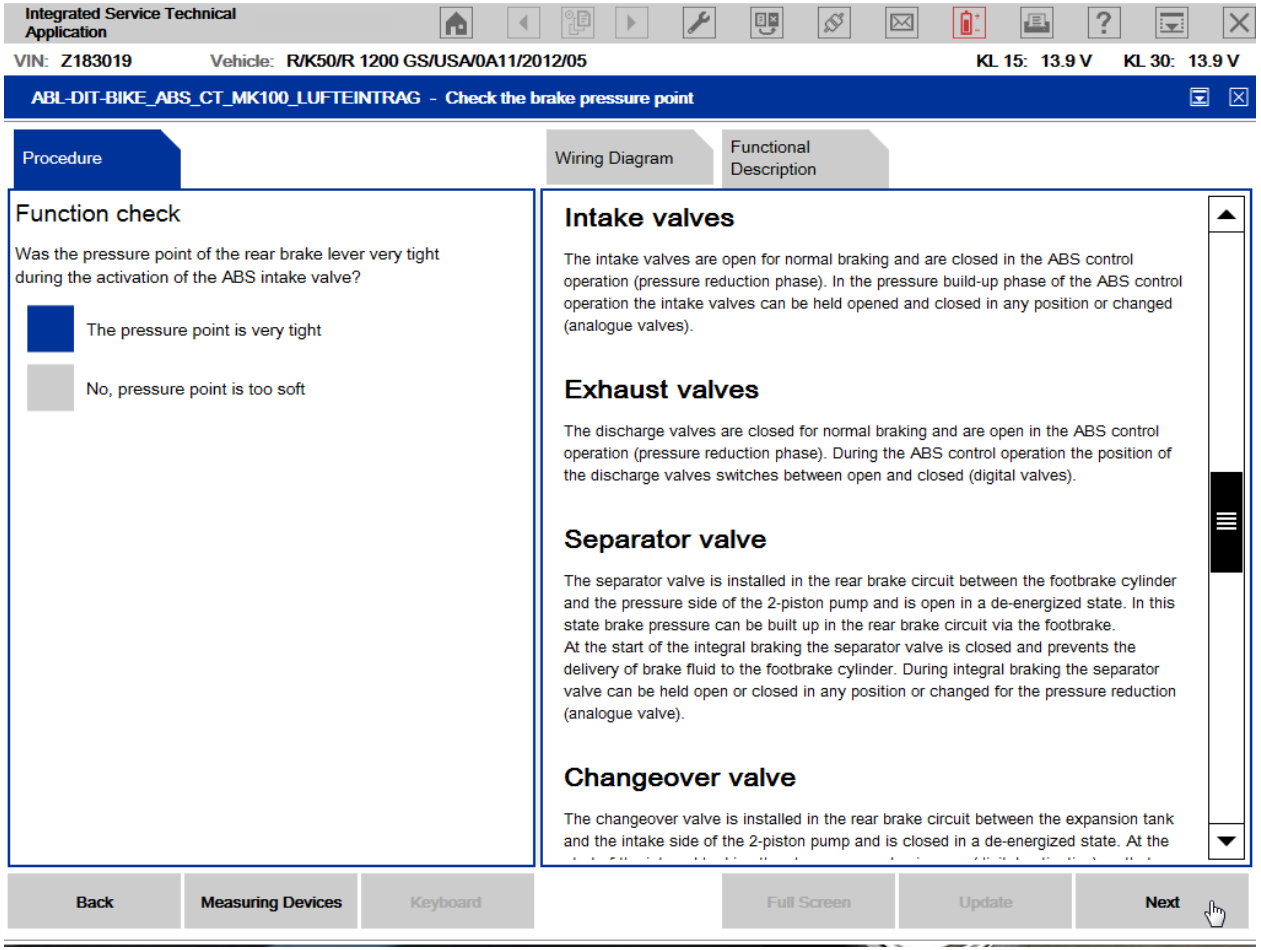
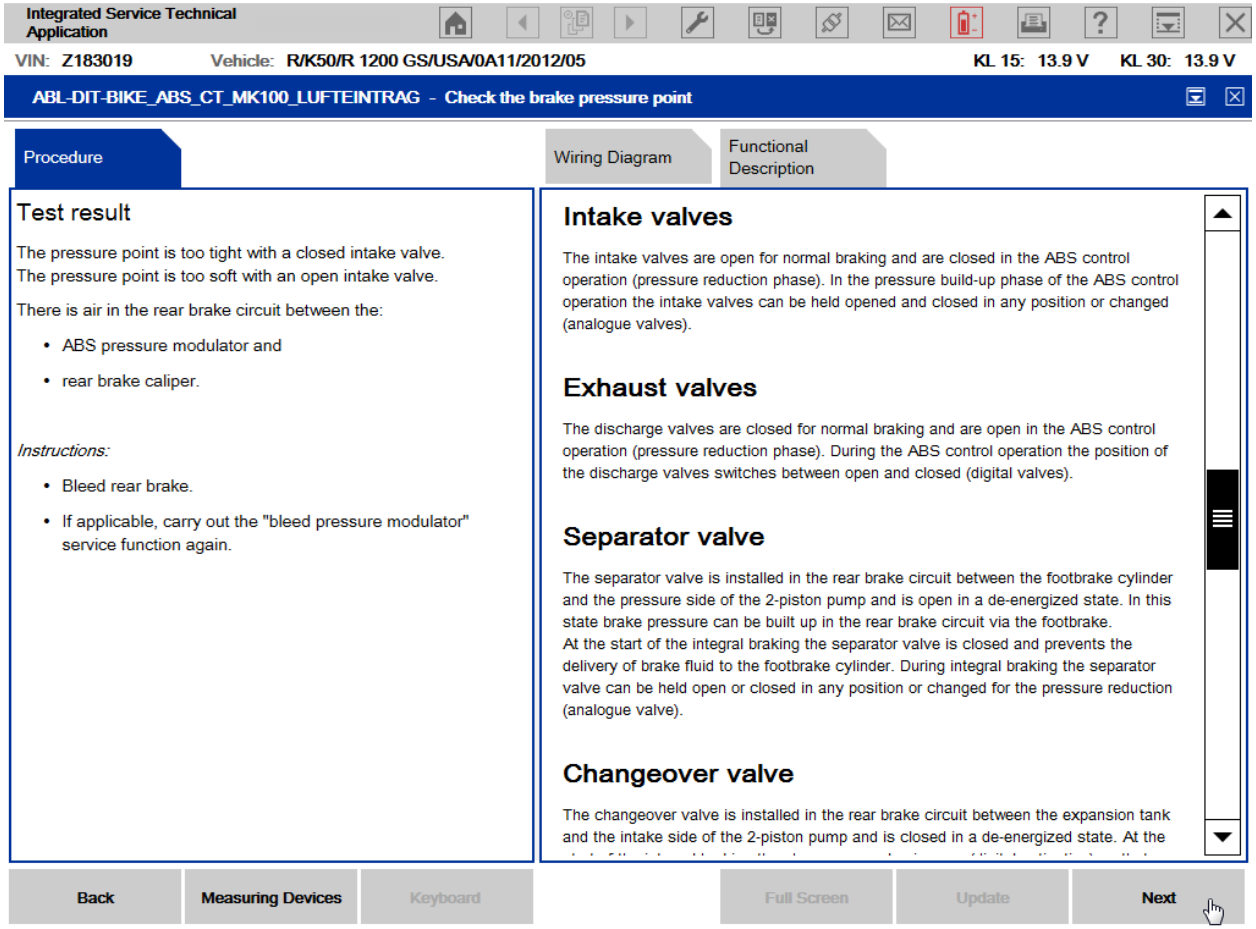


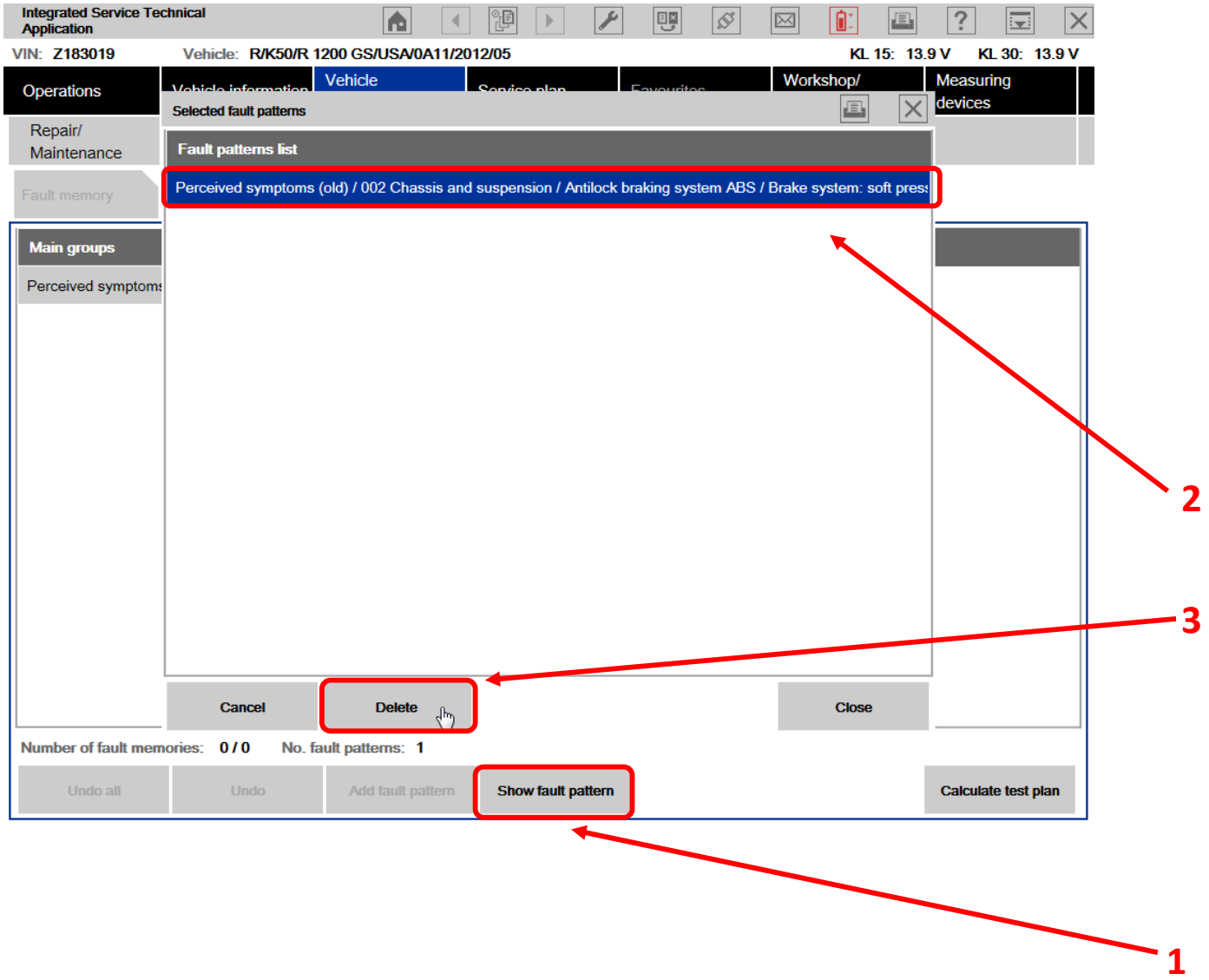
4. Operate serviceprogram

4.5. Summarize test result



-> terminate service program.

5. Reset fault pattern



6. Display test result and diagnostic code in the operations report