Measure no.	Subject	
US 60830088-02	Brake – soft pressure point	
Status date (mm/dd/yy)	**Status**	**Organization**
3/5/15	Accepted	US, MOT
Date created (mm/dd/yy)	**Created by**	**PQM Problem reference**
3/5/15	Werner Uhrmann	
Release date (mm/dd/yy)	**Approved by**	**Dealer release**
		Allow automatic release

Vehicles affected	Engine	Body
E series		
K21 K25 K25/02 K25/03 K25/11		
K25/12 K25/31 K25/32 K25/HP		
K26 K26/02 K26/11 K27 K27/11		
K29/HP K42 K43 K43/11 K43/HV		
K44 K44/31 K46 K46/11 K46/12		
K47 K48 K50 K51 K52 K53		
K54 K70/11 K71 K71/11 K72		
K72/11 K73/02 K73/03 K75		
Production period (from/to) (mm/dd/yy)	**Comment on production period**	**Feedback (all cases relating to measure up to) (mm/dd/yy)**

Complaint

Soft pressure point (spongy) on the front or rear brakes.

Cause

Air may have entered the brake systems

Measure

1. If the rear brake is affected: Determine the amount of free travel (free play) of the footbrake lever (see RSD "Removing/Installing or replacing footbrake lever"). If the amount of free travel on the footbrake lever is NOT OK --> Set the amount of free travel correctly.

2. Inspect the clearance between the brake pad and the brake disc (compare to a known good motorcycle).

3. After checking items 1 and 2 above, Please perform a guided diagnostics for soft pressure point. You can find a detailed description in the accompanying attachment (Serviceprgram-Soft pressure point).

Complaint

Fault location	Fault type	Fault place
Brakes	Too soft	Front
Brakes	Too soft	Rear

Cause

#	Fault location	Fault type	Fault place
1	34/51 ABS 2 modulator	Pressure not OK	
	Repair Task	**Special Clearance**	**Area**
	Other tasks	No	Chassis and Suspension

#	Fault location	Fault type	Fault place
2	34/11 Front Wheel Brakes	Pressure drop/ loss	
	Repair Task	**Special Clearance**	**Area**
	Other tasks	No	Chassis and Suspension

#	Fault location	Fault type	Fault place
3	34/21 Rear brake	Pressure drop/ loss	
	Repair Task	**Special Clearance**	**Area**
	Other tasks	No	Chassis and Suspension

#	Fault location	Fault type	Fault place
4	34/31 Brake master cylinder	Malfunction	
	Repair Task	**Special Clearance**	**Area**
	Other tasks	No	Chassis and Suspension

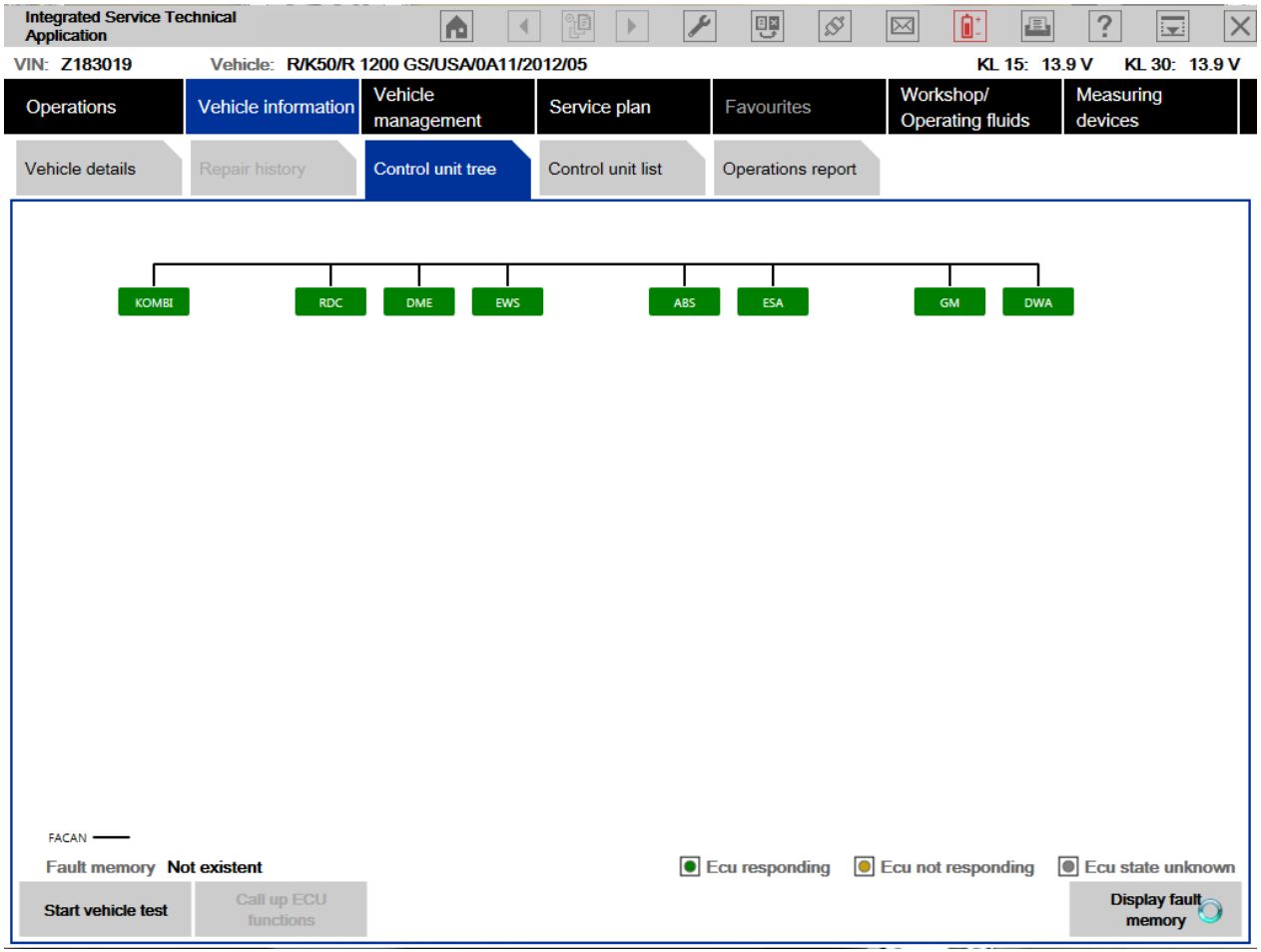
Fault code

Progman / DIS / ISTA / ISTA/P

System	State	Version

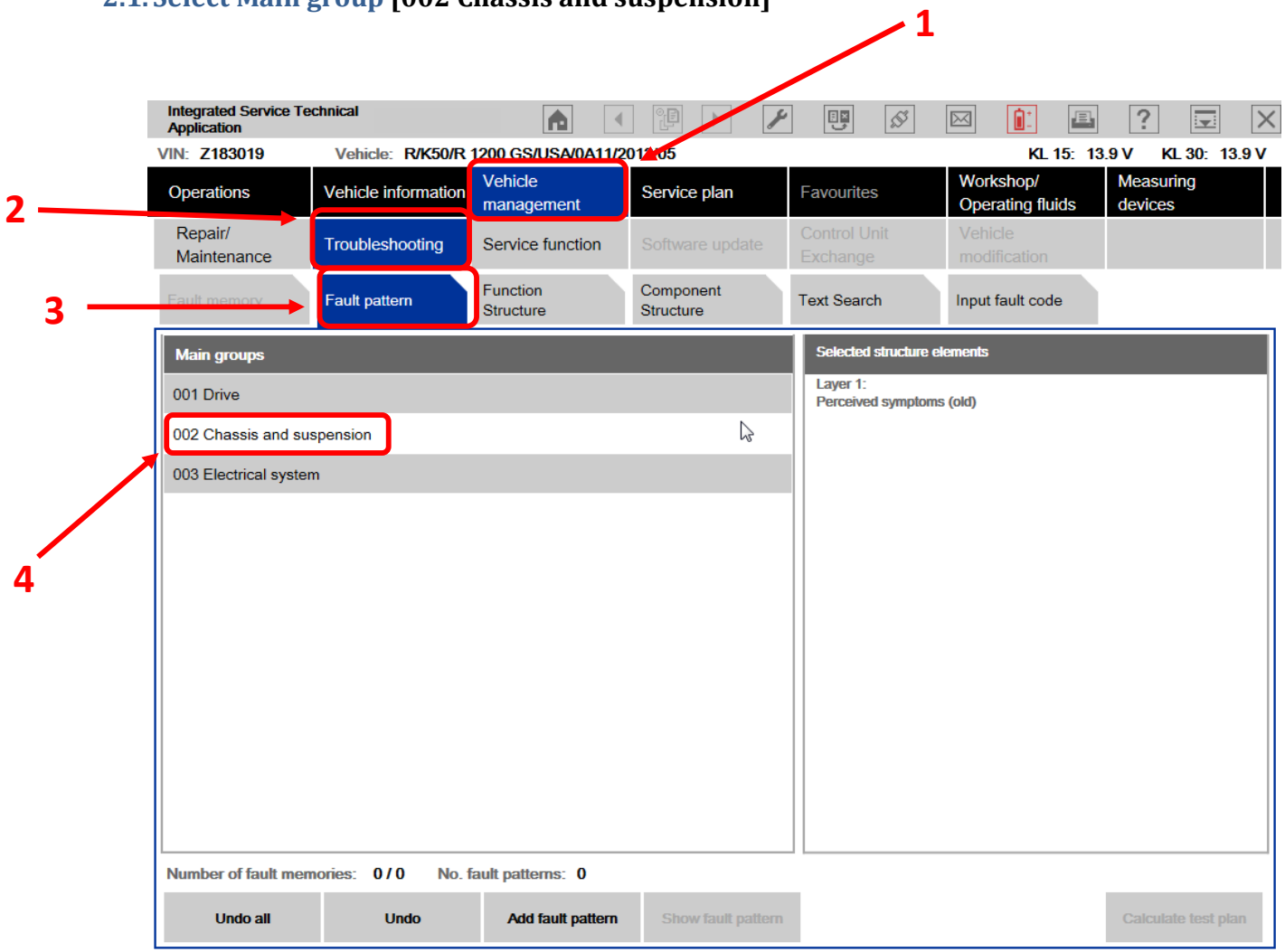
Check the brake pressure point

1. Identify motorcycle, start vehicle test



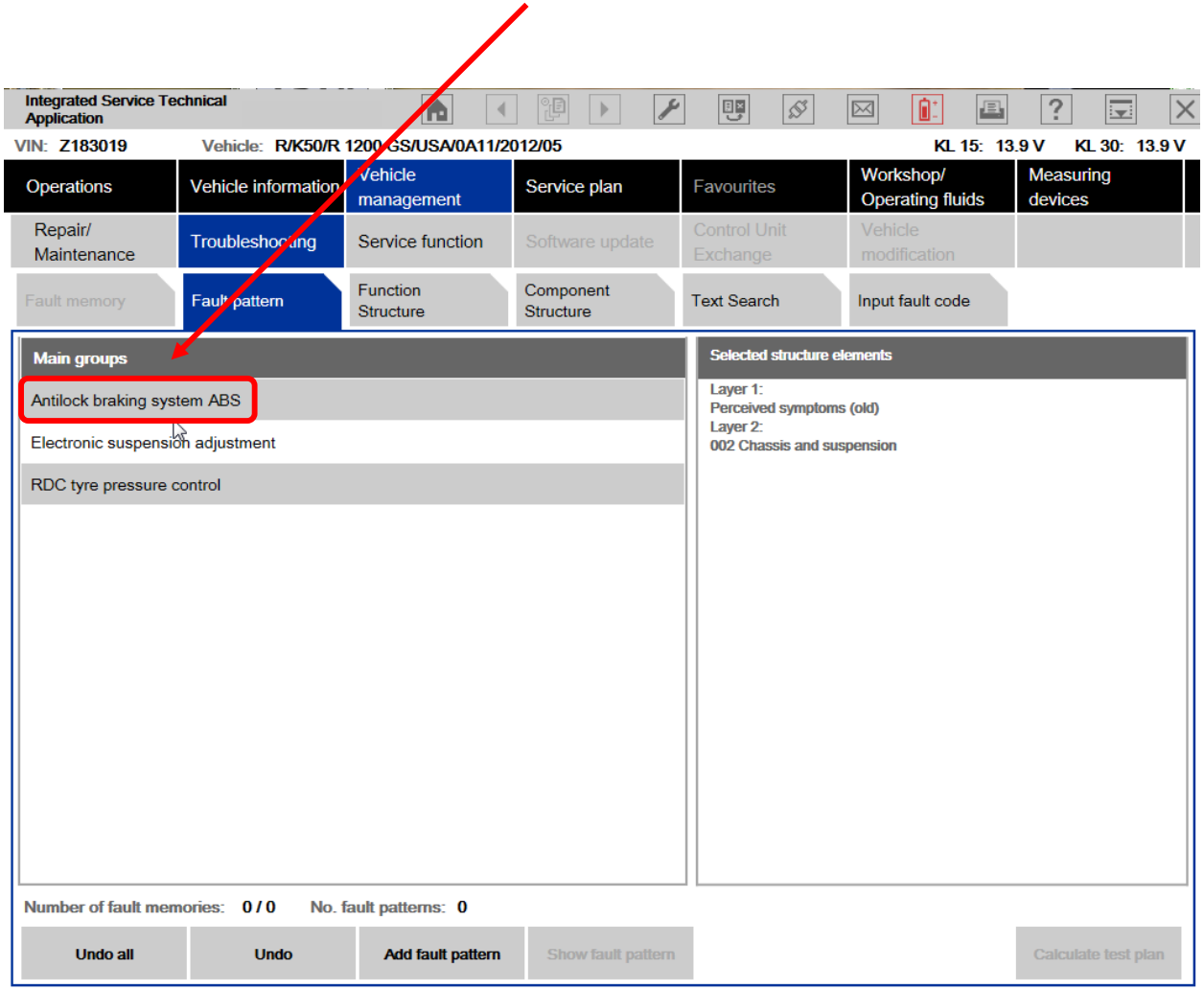
2. Select fault pattern

2.1. Select Main group [002 Chassis and suspension]



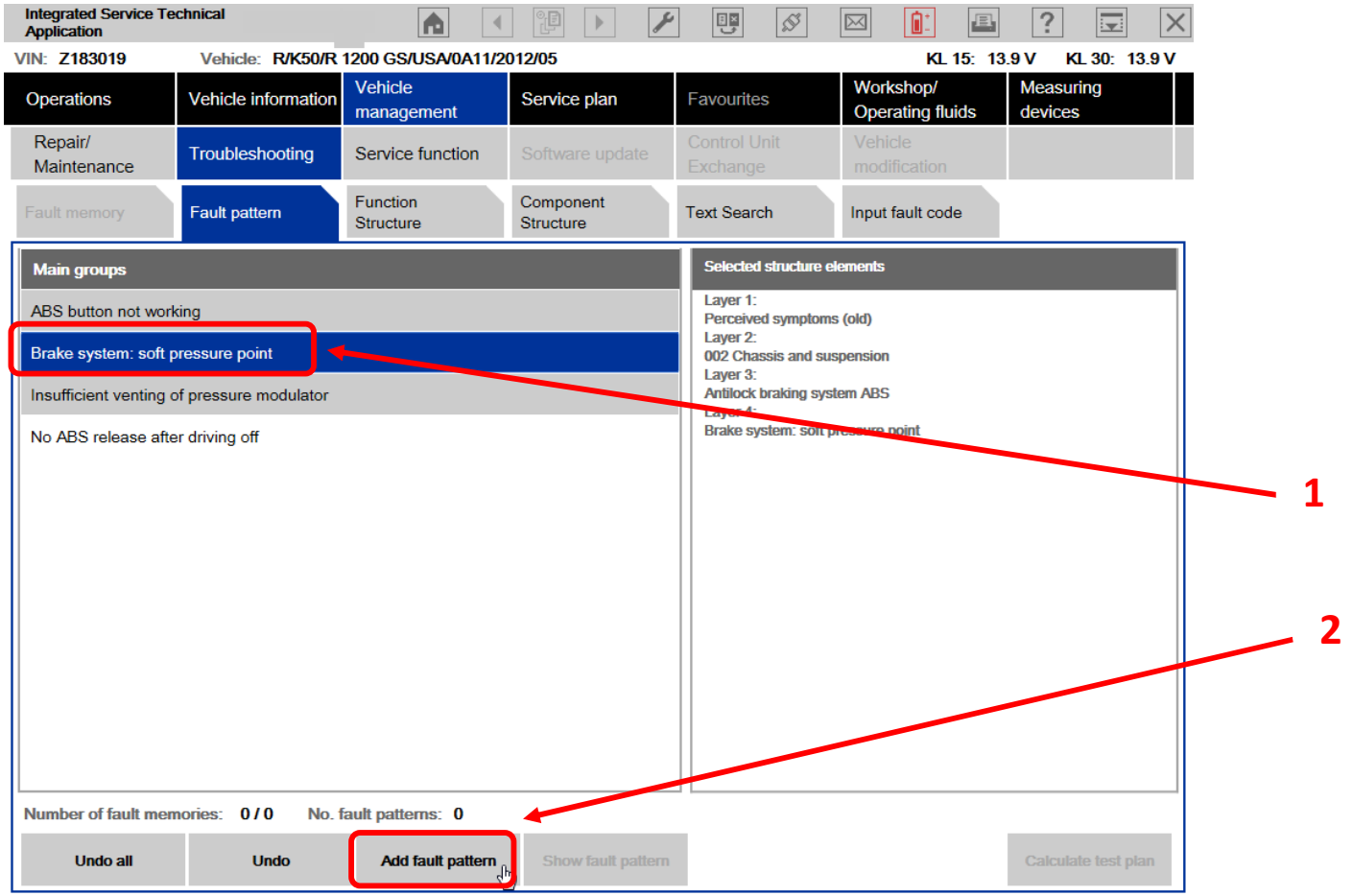
2. Select fault pattern

2.2. Select Main group [Antilock braking system ABS]

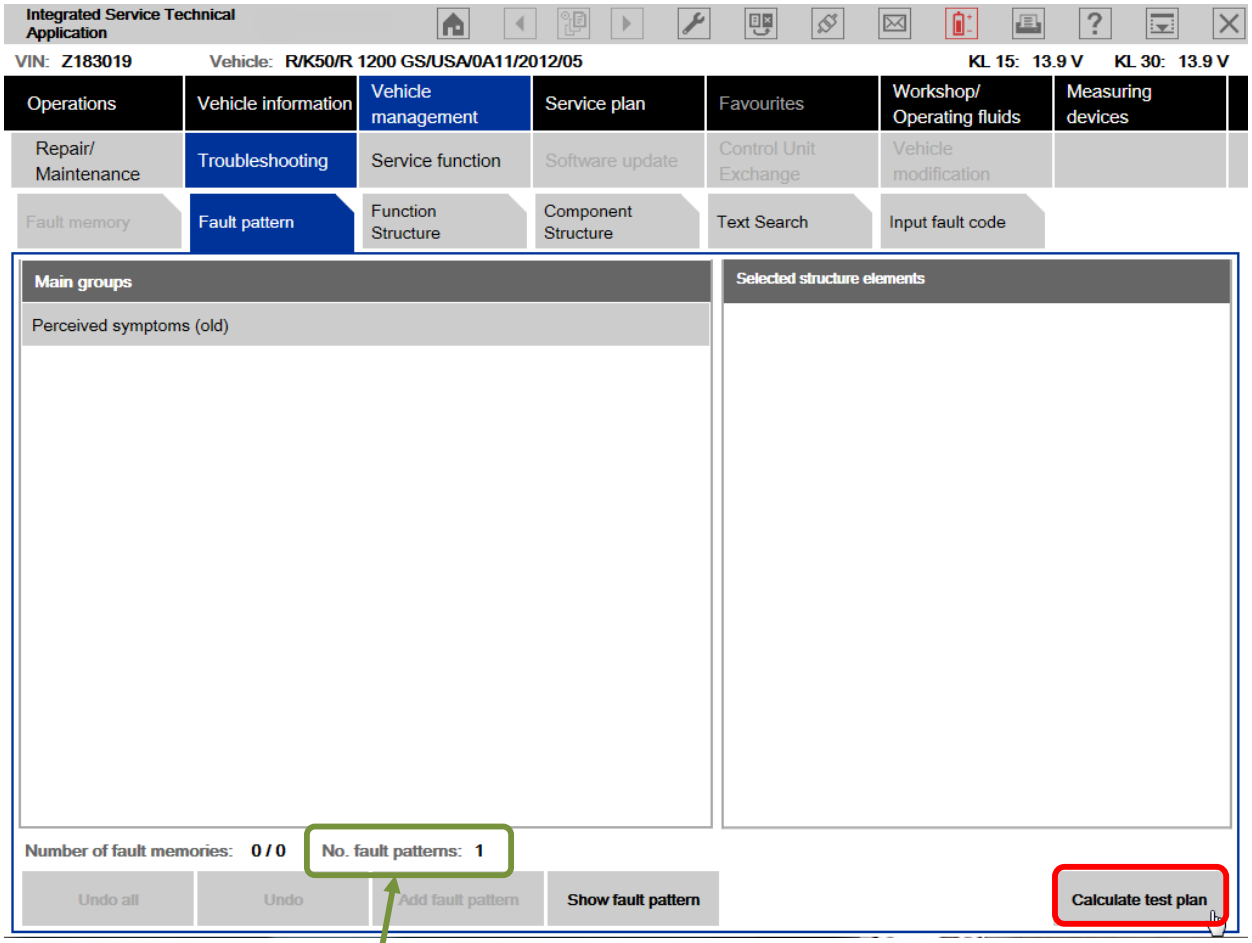


2. Select fault pattern

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

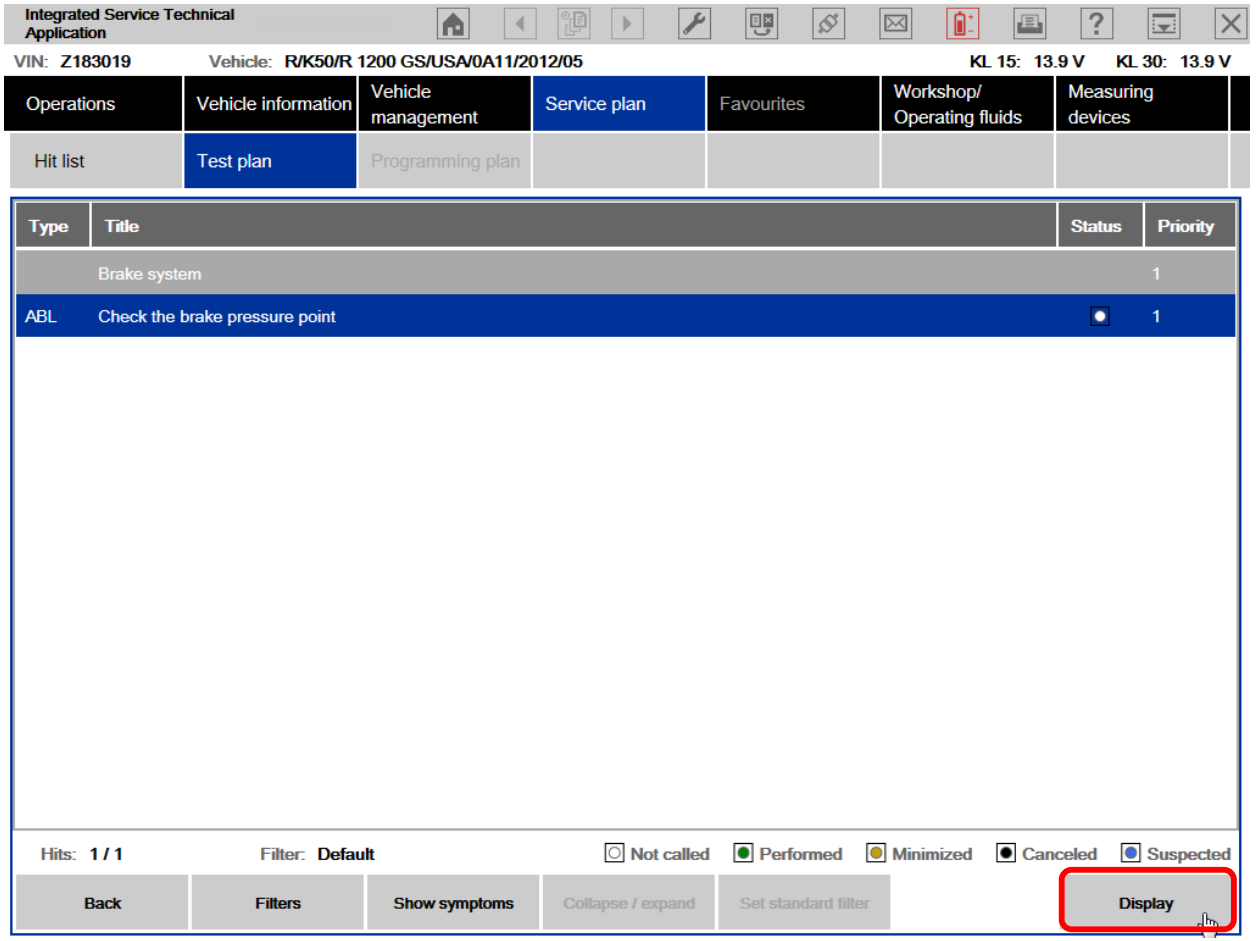


3. Calculate test plan



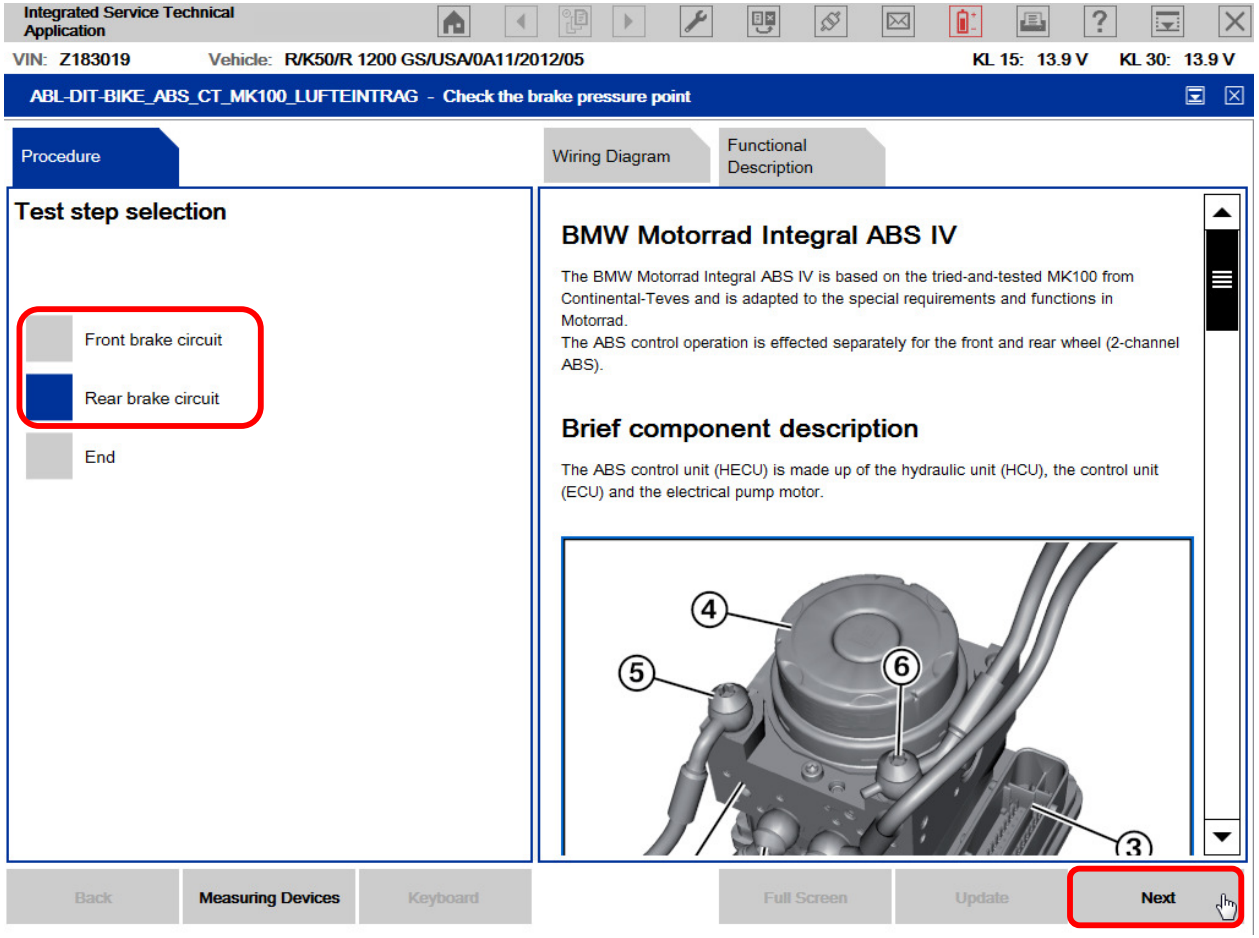
Note: fault pattern selected

4. Operate serviceprogram



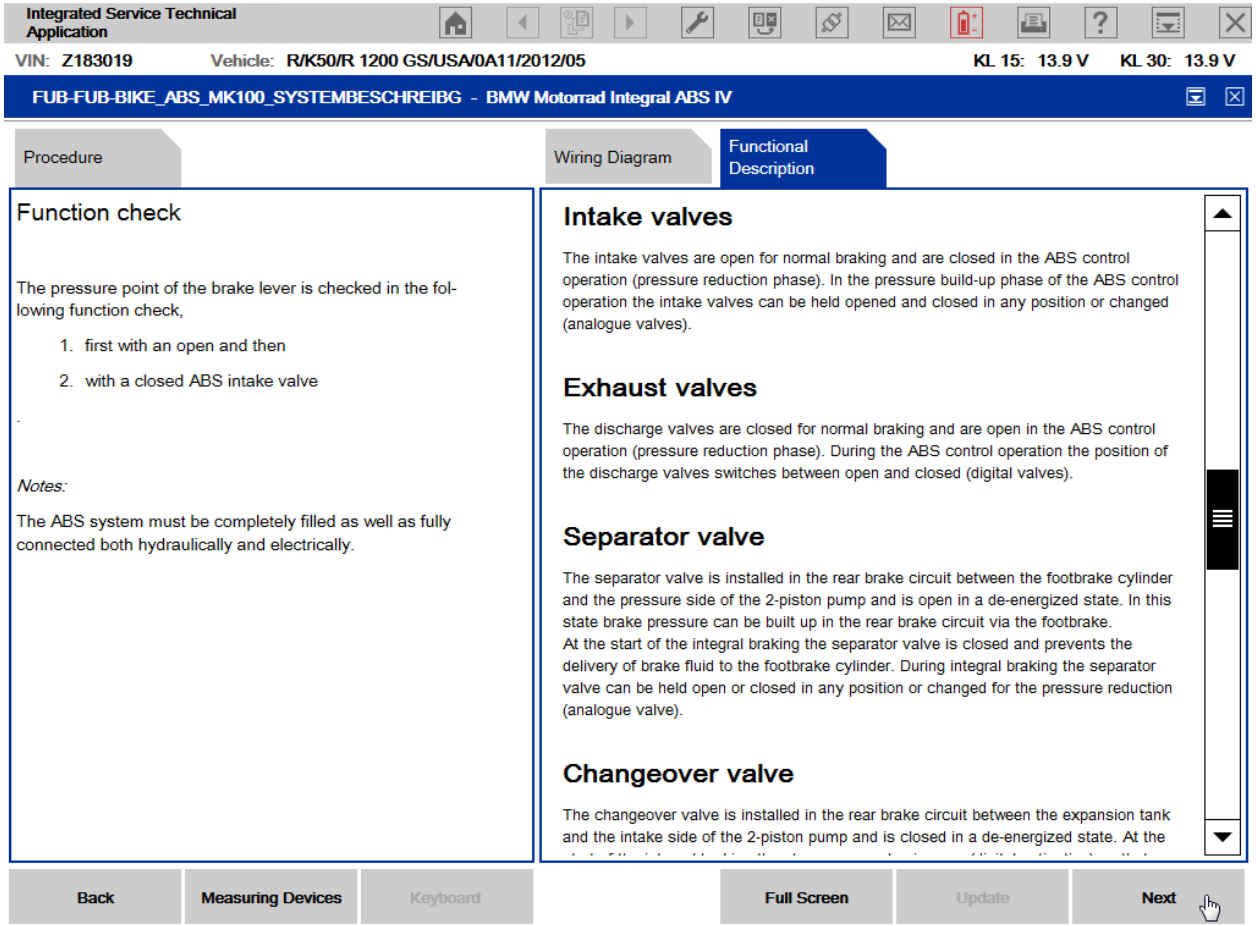
4. Operate serviceprogram

4.1. choose brake circuit



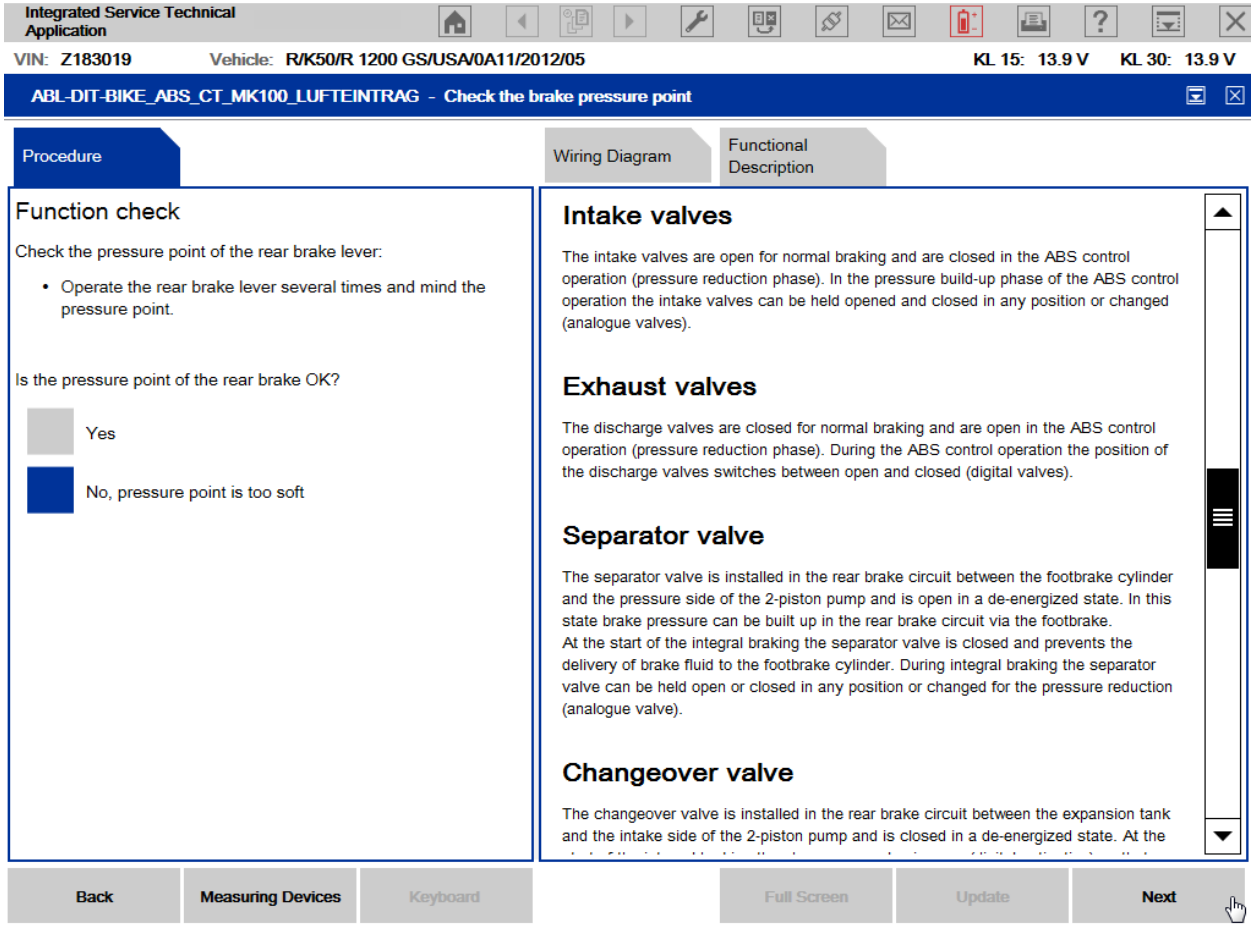
4. Operate serviceprogram

4.2. Notice instructions



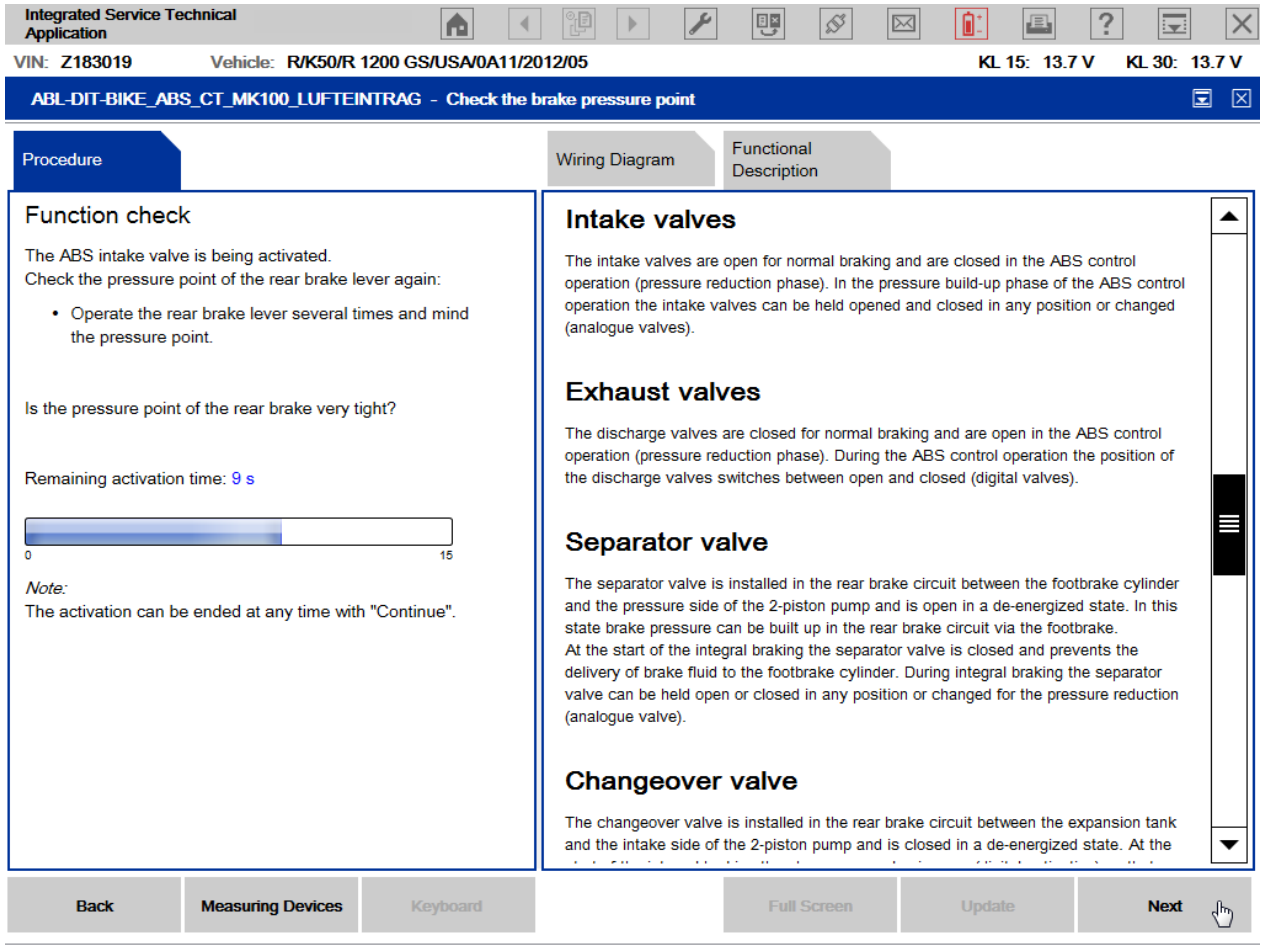
4. Operate serviceprogram

4.3. Braking system at initial state: Evaluate pressure point



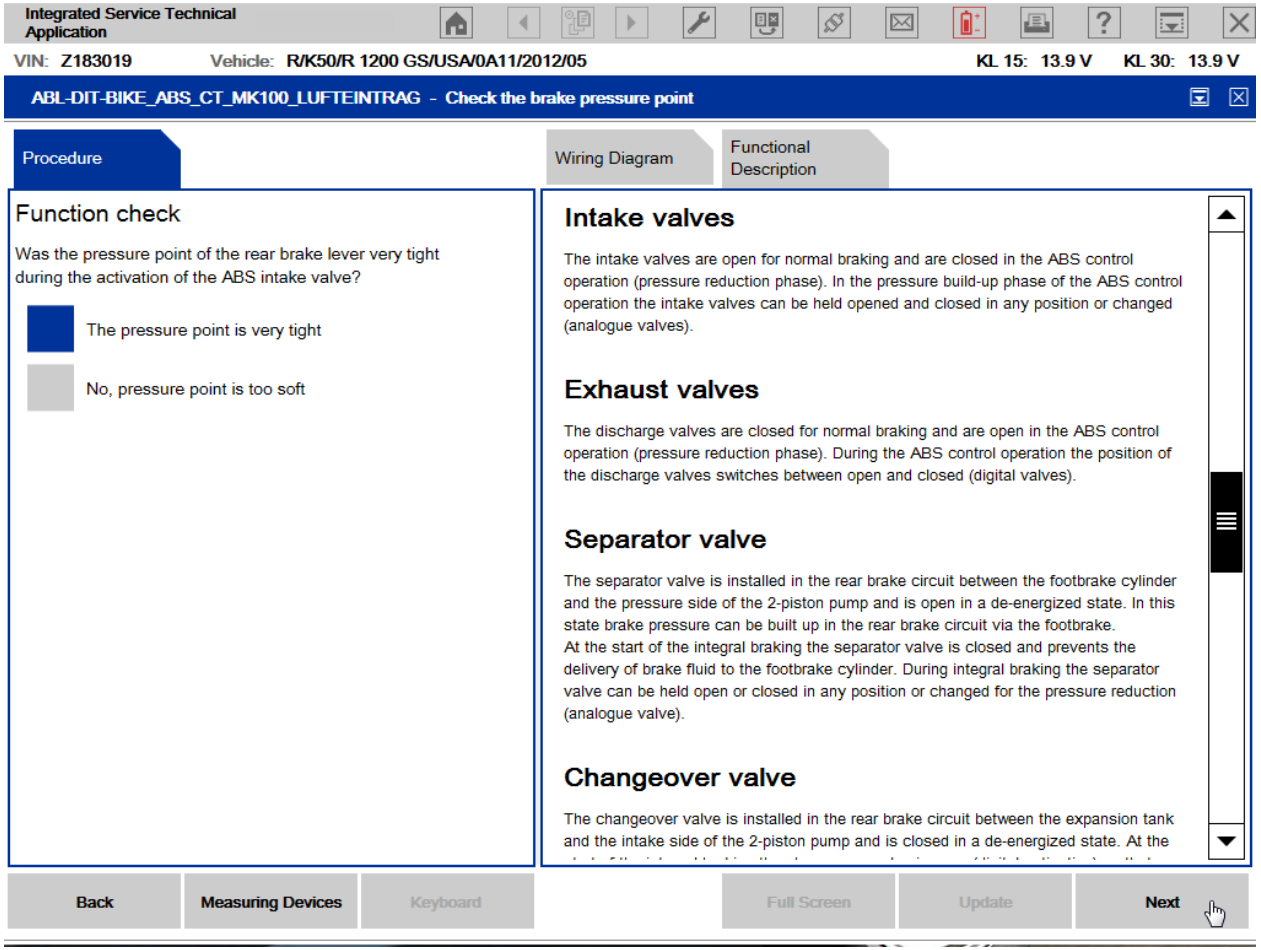
4. Operate serviceprogram

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



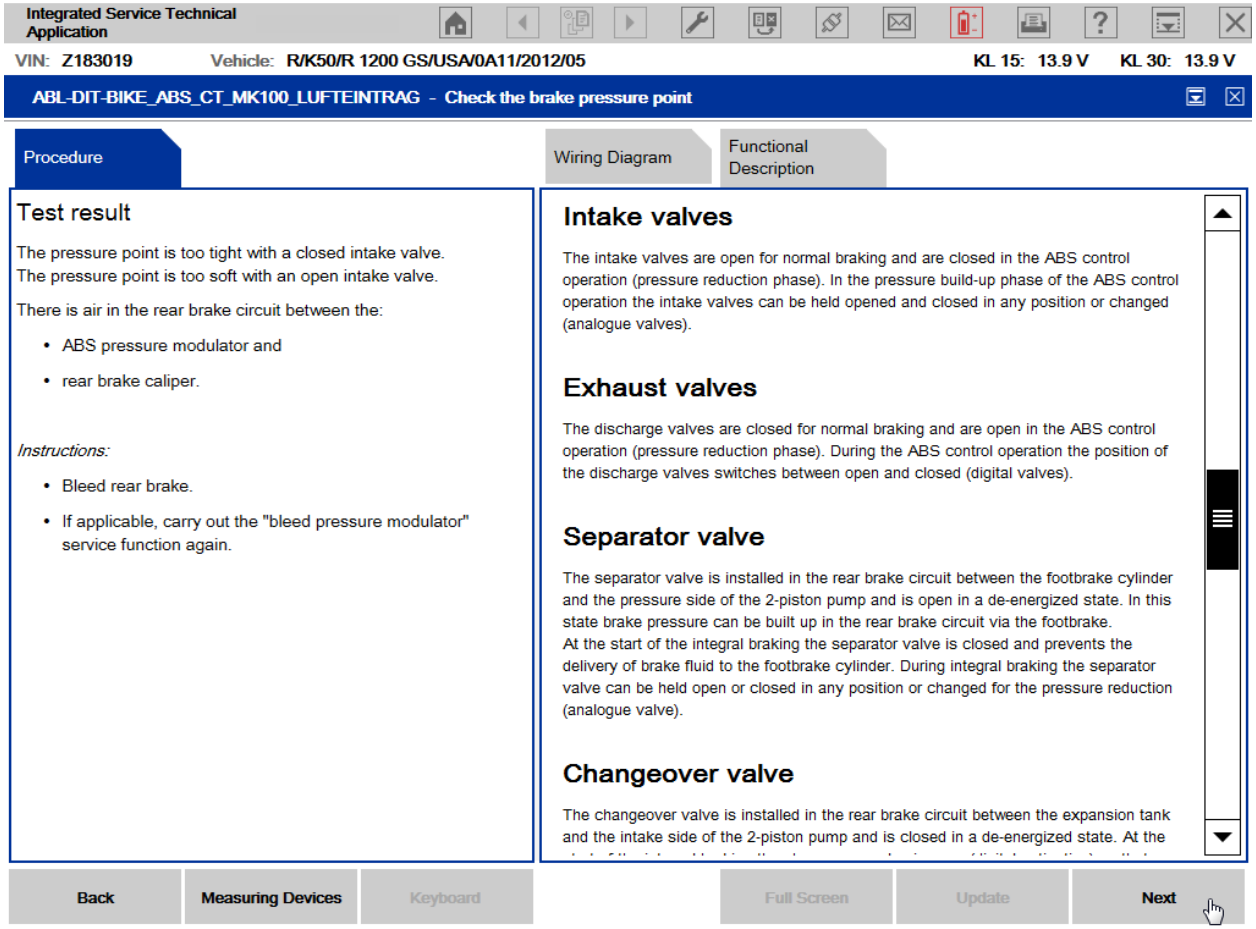
4. Operate serviceprogram

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



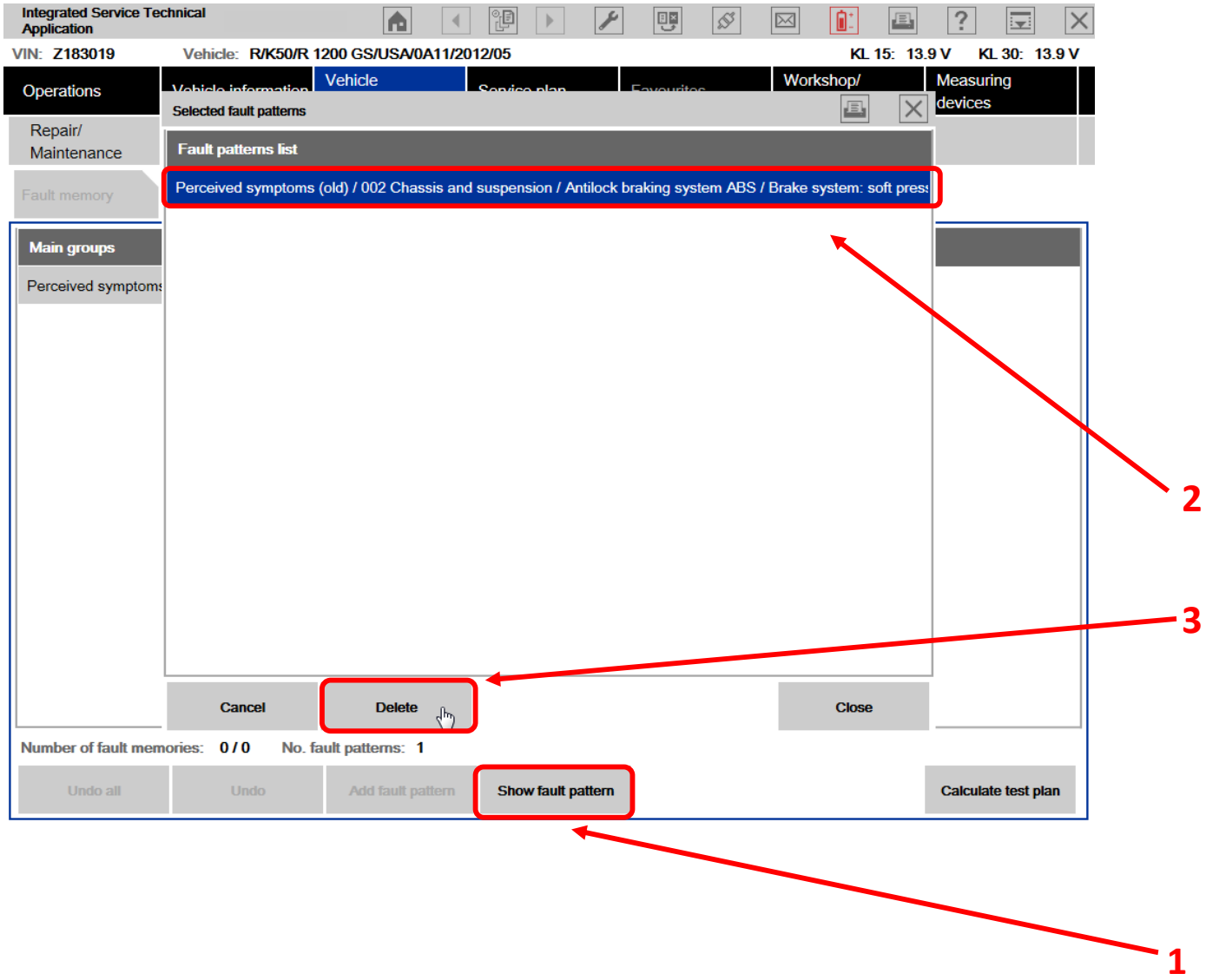
4. Operate serviceprogram

4.5. Summarize test result



-> terminate service program.

5. Reset fault pattern



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