SERVICE MANUAL

T7.140 / T7.150 / T7.165
T7.175 / T7.180 / T7.190
T7.195 / T7.205

Tractor

Part number 47402793
English
April 2014

NEW HOLLAND AGRICULTURE

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Contents

INTRODUCTION

Engine 10

[10.216] Fuel tanks 10.1

[10.218] Fuel injection system 10.2

[10.400] Engine cooling system 10.3

Clutch 18

[18.104] Clutch hydraulic release control 18.1

[18.110] Clutch and components 18.2

Transmission 21

[21.114] Mechanical transmission 21.1

[21.111] Semi-Powershift transmission 21.2

[21.133] Semi-Powershift transmission external controls 21.3

[21.152] Semi-Powershift transmission internal components 21.4

Front axle system 25

[25.100] Powered front axle 25.1

[25.102] Front bevel gear set and differential 25.2

[25.108] Final drive hub, steering knuckles, and shafts 25.3

Rear axle system 27

[27.100] Powered rear axle 27.1

[27.106] Rear bevel gear set and differential 27.2

[27.120] Planetary and final drives 27.3

Hydraulic systems 35

[35.000] Hydraulic systems 35.1

[35.204] Remote control valves 35.2

[35.114] Three-point hitch control valve 35.3

[35.116] Three-point hitch cylinder 35.4

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[35.124] Three-point hitch hydraulic adjustment 35.5

Hitches, drawbars, and implement couplings 37

[37.110] Rear three-point hitch 37.1

Steering 41

[41.206] Pump 41.1

[41.216] Cylinders 41.2

Wheels 44

[44.511] Front wheels 44.1

[44.520] Rear wheels 44.2

Cab climate control 50

[50.100] Heating 50.1

[50.104] Ventilation 50.2

[50.200] Air conditioning 50.3

Electrical systems 55

[55.100] Harnesses and connectors 55.1

[55.640] Electronic modules 55.2

[55.130] Rear three-point hitch electronic control system 55.3

[55.DTC] FAULT CODES 55.4

Platform, cab, bodywork, and decals 90

[90.150] Cab 90.1

[90.100] Engine hood and panels 90.2

[90.102] Engine shields, hood latches, and trims 90.3

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Contents

INTRODUCTION

Advice - Important notice regarding equipment servicing 3

Foreword - How to use and navigate through this manual 4

International symbols 9

T7.140 With cab, 15x12 --- LA, T7.140 Without cab, 15x12 --- LA, T7.140 --- LA, T7.150 With cab, 15x12 --- LA, T7.150 Without cab, 15x12 --- LA, T7.150 --- LA, T7.165 With cab, 15x12 --- LA, T7.165 Without cab, 15x12 --- LA, T7.165 --- LA, T7.175 With cab, 18x6 --- LA, T7.175 --- LA, T7.180 With cab, 15x12 --- LA, T7.180 Without cab, 15x12 --- LA, T7.180 --- LA, T7.190 With cab, 18x6 --- LA, T7.190 --- LA, T7.195 With cab, 18x6 --- LA, T7.195 --- LA, T7.205 With cab, 18x6 --- LA

Safety rules 11

Basic instructions - Shop and Assembly 22

Torque - Minimum tightening torques for normal assembly 24

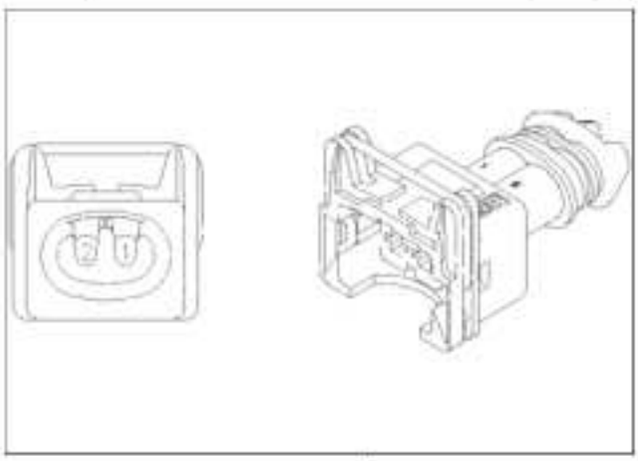
Consumables 29

T7.140 With cab, 15x12 --- LA, T7.140 Without cab, 15x12 --- LA, T7.140 --- LA, T7.150 With cab, 15x12 --- LA, T7.150 Without cab, 15x12 --- LA, T7.150 --- LA, T7.165 With cab, 15x12 --- LA, T7.165 Without cab, 15x12 --- LA, T7.165 --- LA, T7.175 With cab, 18x6 --- LA, T7.175 --- LA, T7.180 With cab, 15x12 --- LA, T7.180 Without cab, 15x12 --- LA, T7.180 --- LA, T7.190 With cab, 18x6 --- LA, T7.190 --- LA, T7.195 With cab, 18x6 --- LA, T7.195 --- LA, T7.205 With cab, 18x6 --- LA

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CONNECTOR X-069 - PTO BRAKE SOLENOID

CONNECTOR X-069 - PTO BRAKE SOLENOID			
PIN NUMBER	**WIRE NUMBER**	**CIRCUIT REFERENCE**	**ELECTRICAL SCHEMATIC FRAME**
1	TR2130 (BR)	X-037M TRANSMISSION HARNESS X-069 PTO BRAKE SOLENOID	Without cab: **Wire harnesses - Electrical schema – Transmission components – Sheet 14 (55.100)** With cab: **Wire harnesses - Electrical schema – Transmission components – Sheet 14 (55.100)**
2	TR57AH (BK)	X-069 PTO BRAKE SOLENOID SP_TR57	Without cab: **Wire harnesses - Electrical schema – Transmission components – Sheet 14 (55.100)** With cab: **Wire harnesses - Electrical schema – Transmission components – Sheet 14 (55.100)**



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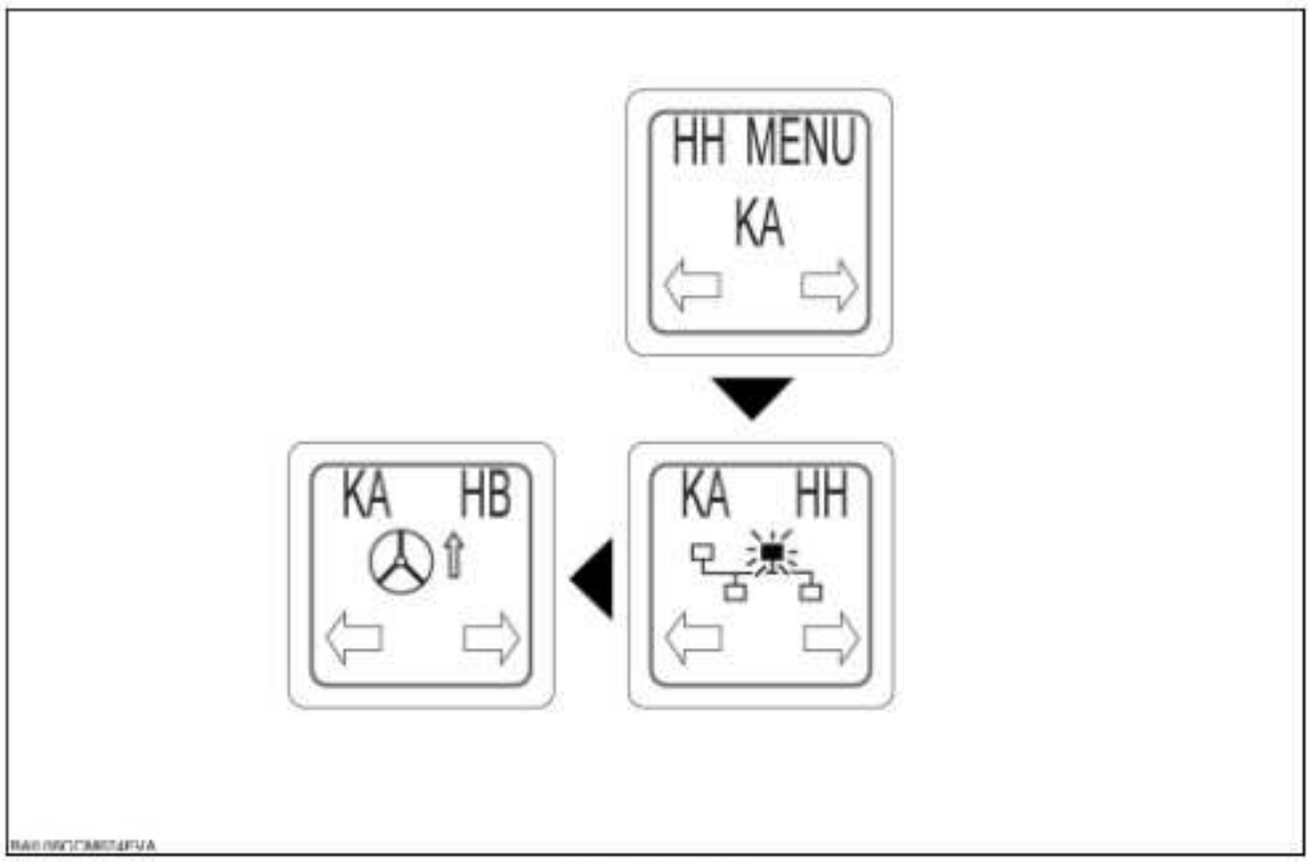
HB - DISPLAY STORED FAULT CODES

This menu is used to display fault codes which are stored in the EEPROM of the controller.

A maximum of ten fault codes for each sub-system can be stored.

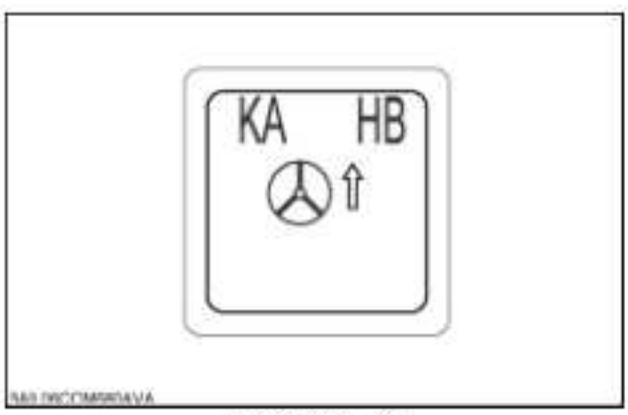
Common to all sub-systems.

HB Menu Screen Select Diagram



18

Select the steering sub-system by depressing the "dimming" key, as the example shown.



19

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Cab - Remove

T7.175 With cab, 18x6	LA
T7.190 With cab, 18x6	LA
T7.195 With cab, 18x6	LA
T7.205 With cab, 18x6	LA

⚠WARNING

Heavy objects!
Lift and handle all heavy components using lifting equipment with adequate capacity. Always support units or parts with suitable slings or hooks. Make sure the work area is clear of all bystanders.
Failure to comply could result in death or serious injury.

W0388A

⚠WARNING

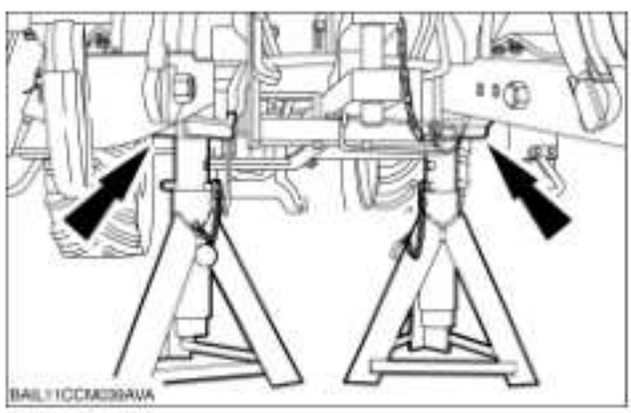
Avoid injury!
Handle all parts carefully. Do not place your hands or fingers between parts. Use Personal Protective Equipment (PPE) as indicated in this manual, including protective goggles, gloves, and safety footwear.
Failure to comply could result in death or serious injury.

W0266A

Prior operation:
Remove the battery.

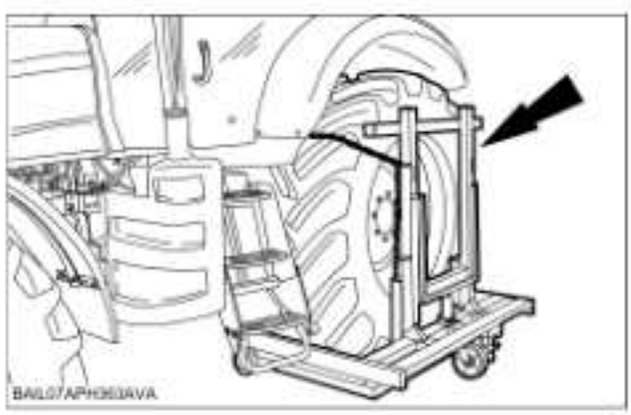
1. Ensure that the tractor is parked on a level surface.
2. Chock the front wheels using suitable wheel stops.
3. Raise the rear of the tractor and place two suitable axle stands under the final drive cases.

NOTE: *If required, detach the lift rods from the lower links.*



BAIL11CCM039AVA 1

4. Remove both rear wheels.

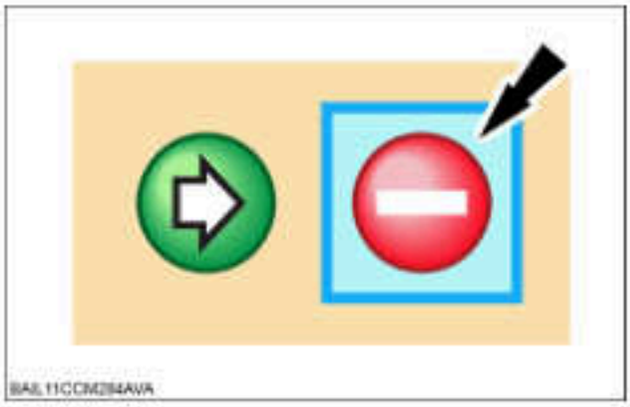


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- In the **DATAR**, when the ramp test ends, press the SPACE bar to capture and keep the result line.
- Compare the **DATAR** line measured with the outcome line expected, indicated on the following Valve Test Wizard screen. (Don't forget about ALT-TAB to switch between programs)

NOTE: *During the step test, the machine software does two quick hitches of the clutch. With some clutches, you hear an audible signal.*



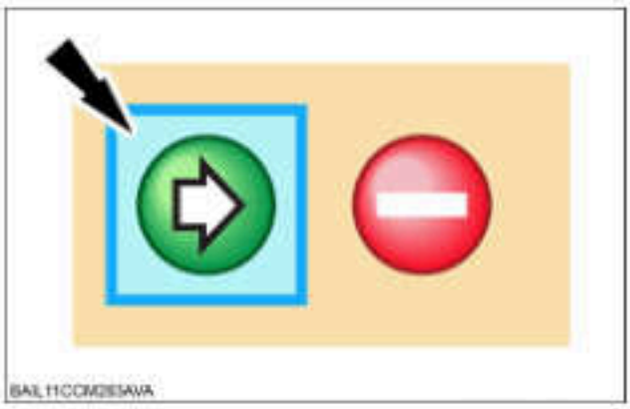
BAIL11CCM284AVA 6

NOTE: *The accumulator test can only be performed if "ACC" is selected in step 3 above. Only the downshift button (* ***Down shift****) is used in this test.*

Step 5c. Accumulator test procedure:

- In **DATAR**, in the lower left corner, make sure that the capture trigger is "ready" to start data capture. This is marked by a green ball illuminated in blue as shown in the figure on the right-hand side. If the screen is not ready, hit the SPACE bar on your keyboard to change the screen trigger status to ready.
- Press and hold the DOWN SHIFT button on the transmission shift lever to run the accumulator test. The machine display will count up from 1 to 10. When the test is complete, the display shows 'END'. This test takes about 15 seconds.

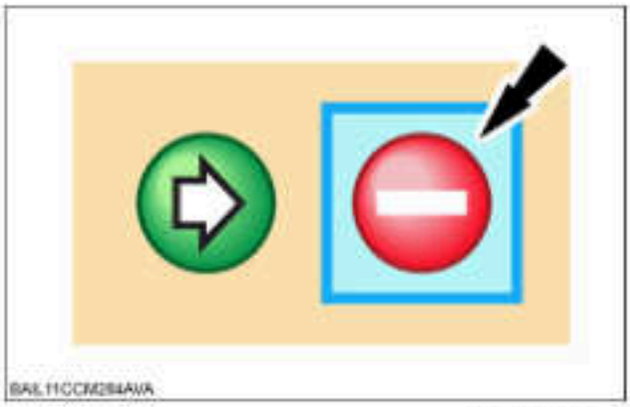
NOTE: *The accumulator test can only run if "ACC" is selected in step 3 above. Only the downshift button is used in this test.*



BAIL11CCM285AVA 7

- In the **DATAR**, when the ramp test ends, press the SPACE bar to capture and keep the result line.
- Compare the **DATAR** line measured with the outcome line expected, indicated on the following Valve Test Wizard screen. (Don't forget about ALT-TAB to switch between programs)

NOTE: *During the step test, the machine software does two quick hitches of the clutch. With some clutches, you hear an audible signal.*



BAIL11CCM284AVA 8

NOTE: *During the ACC test, the machine software does five quick hitches of clutches L, M, H.*

Step 6 . Store the waveform in **DATAR**:

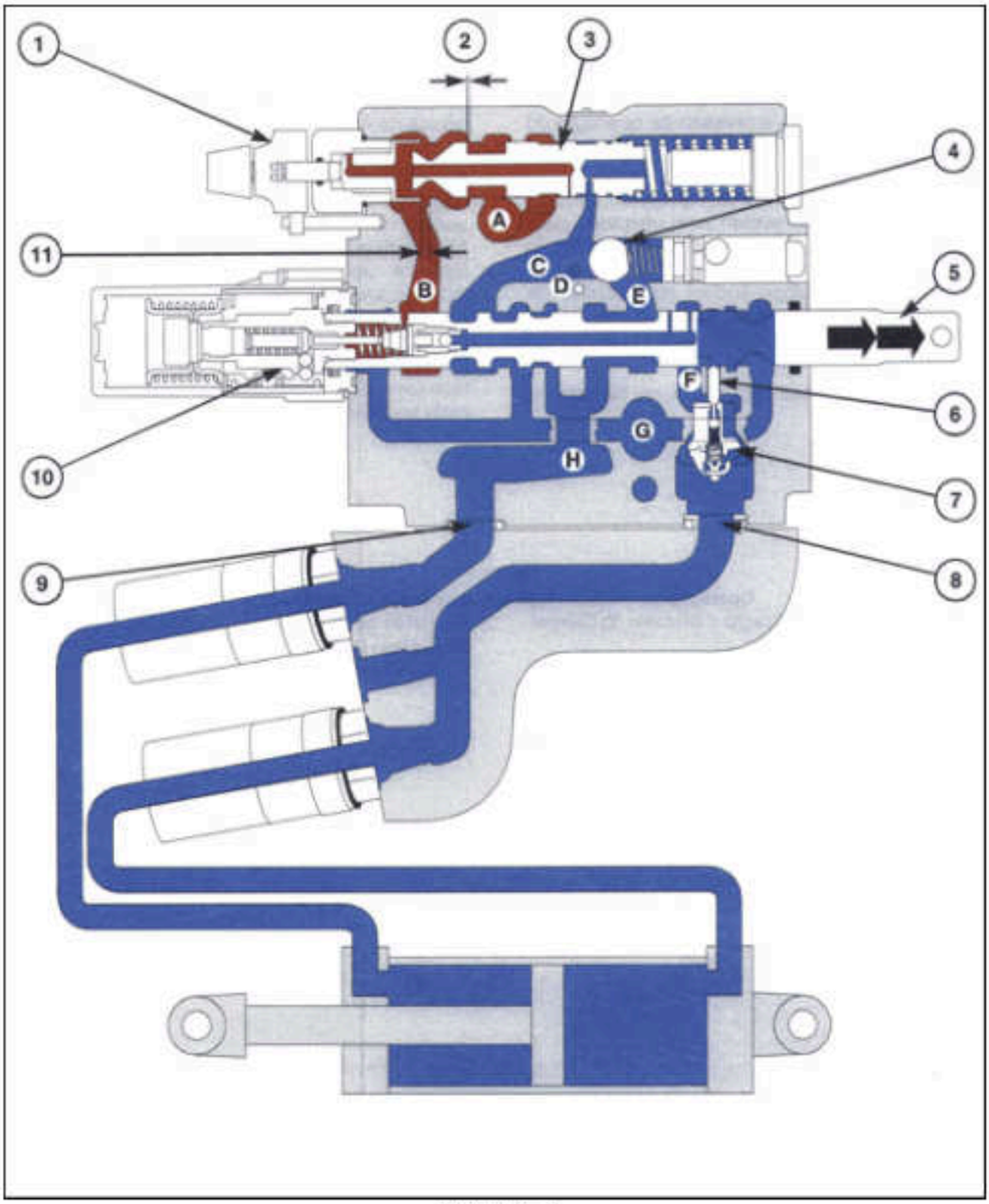
- In **DATAR**, go to the menu **FILE** and select one of the options **SAVE** to store the waveform on your PC (i.e. Save the Current Waveform).

NOTE: *The waveform should be saved so as to see these historical data in the future for this machine serial number.*

Unexpected Conditions

If the test conditions are not correct, the following error codes will be shown:

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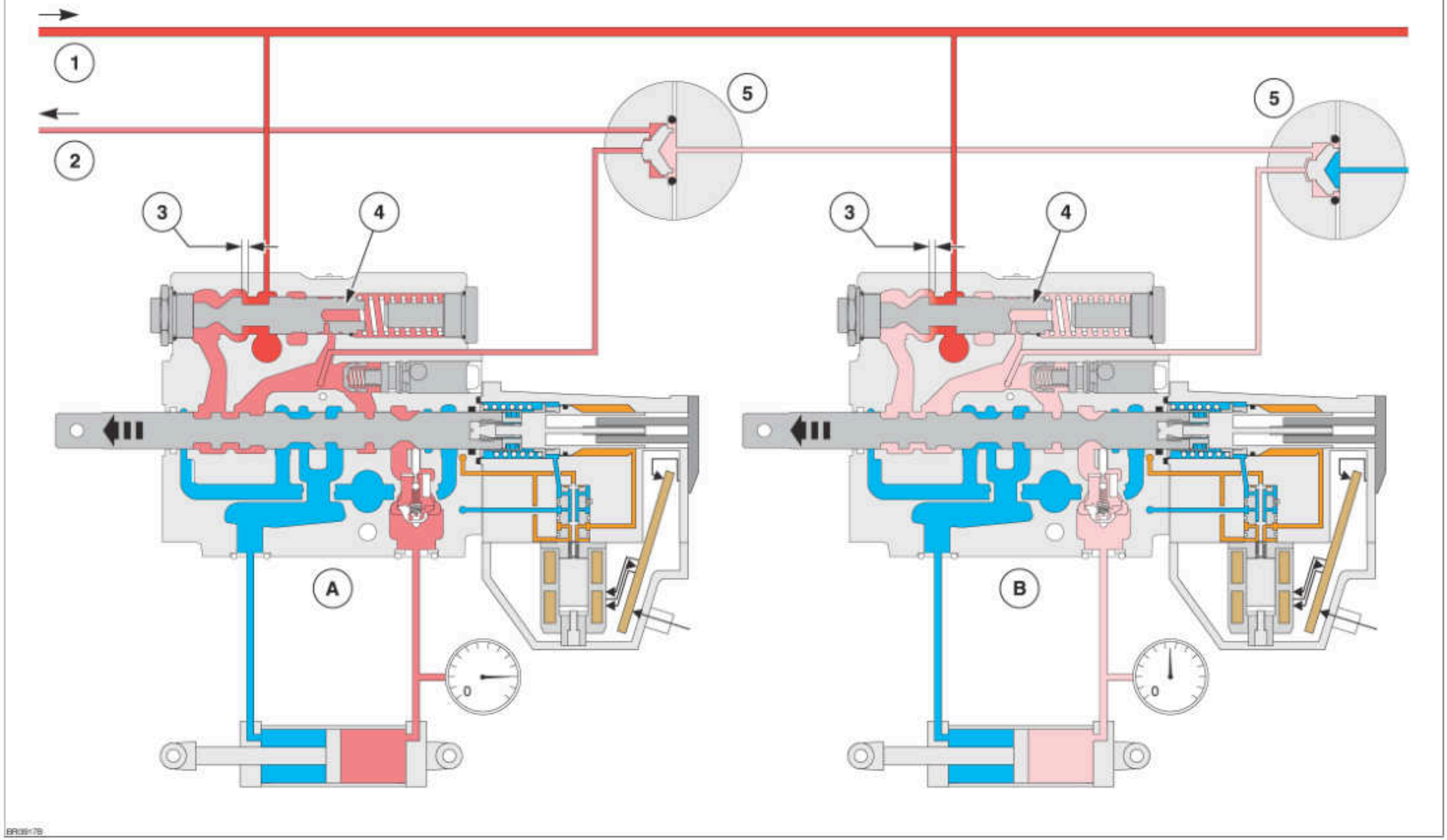
CUEL13TR00617AA 4

Pressure from the pump

Return to the reservoir

Reference	Component	Reference	Component
(1)	Flow control regulator	(7)	Check valve
(2)	Doser tab	(8)	Raise connection (Cylinder moves out)
(3)	Flow control spindle	(9)	Lower connection (Cylinder retracts)
(4)	Load check valve	(10)	Spindle centering and lock mechanism

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