SERVICE MANUAL

T7.175 / T7.190 / T7.195 / T7.205

Tractor

Part number 47770506A

English

February 2017

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Rear wheel ballasts - Remove

⚠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.

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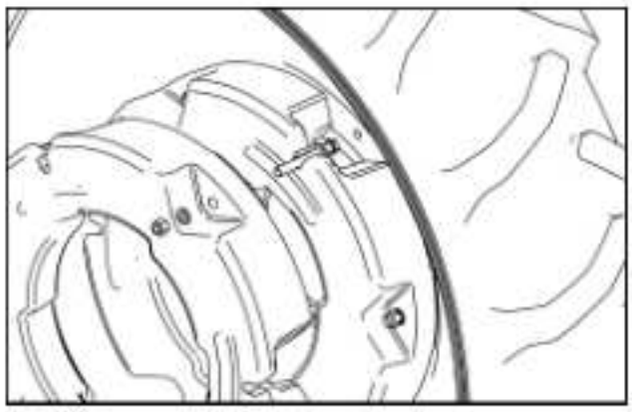
⚠WARNING

Avoid injury!
Use Personal Protective Equipment (PPE), including protective goggles, gloves, and safety footwear.
Failure to comply could result in death or serious injury.

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Removal of the outer weights

1. Remove the nuts and the washers. Use a block and tackle to remove the weights.
2. Remove the bolts.



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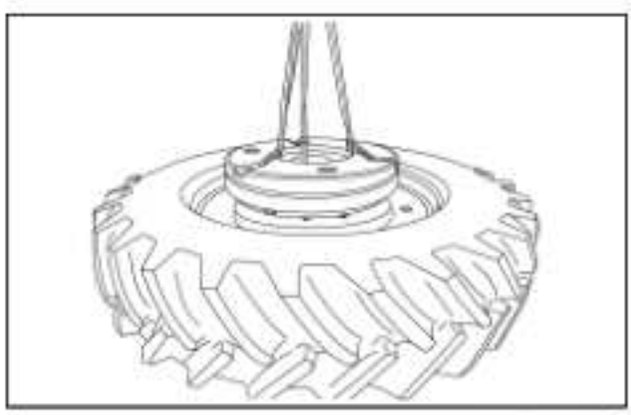
3. The procedure for removal of additional weights is the same.

NOTE: *The number of weights and their size vary according to the use of the tractor.*

4. Repeat the procedure for the other wheel.

Removal of the inner weights

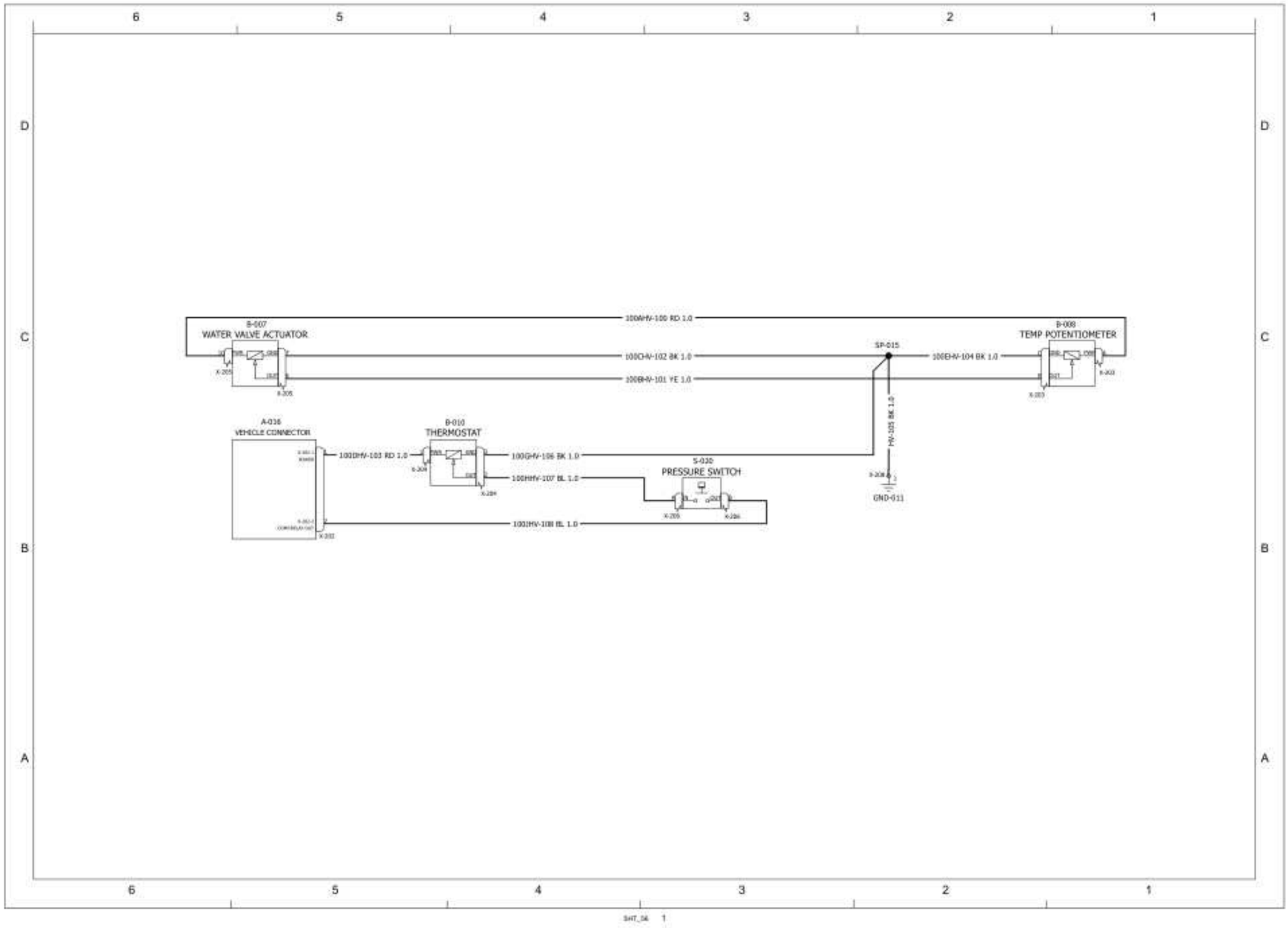
5. Remove the rear wheel.
6. Position the wheel assembly and tire on a support trestle.
7. Remove the nuts and washers.
8. Use a block and tackle to remove the inner weight. Remove the bolts.



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9. Repeat the procedure for the other wheel.

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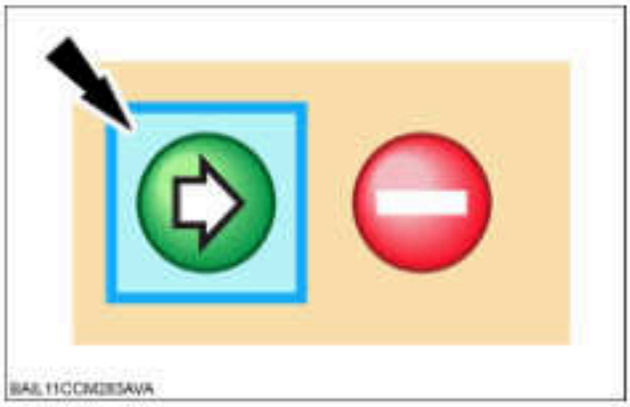
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Message	Description	Controller
U58	PTO TWIST SENSOR OPEN CIRCUIT	
U59	PTO TWIST SENSOR SHORT CIRCUIT	
U77	Damper calibration value too high	
U78	Damper calibration value too low	
U84	REVERSE AND HIGH RANGE SYNCHRONISER SOLENOID CONNECTORS SWAPPED	
U85	MEDIUM AND LOW RANGE SYNCHRONISER SOLENOID CONNECTORS SWAPPED	
U86	MEDIUM/REVERSE RANGE SYNCHRONISER NEUTRAL ERROR	
U87	LOW/HIGH RANGE SYNCHRONISER NEUTRAL ERROR	
U88	MEDIUM/REVERSE RANGE SYNCHRONISER CALIBRATION VALUES OUT OF TOLERANCE	
U89	LOW/HIGH RANGE SYNCHRONISER CALIBRATION VALUES OUT OF TOLERANCE	

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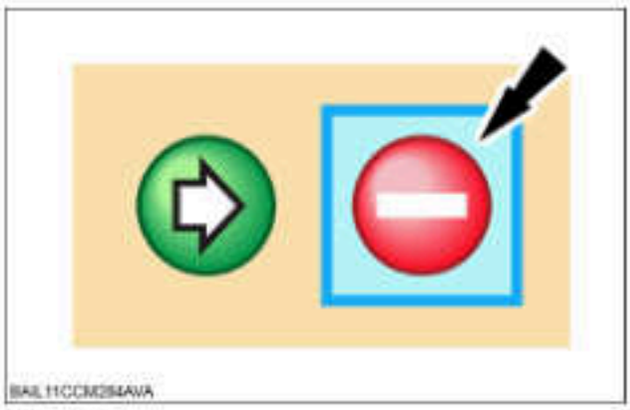
Step 5a. RAMP test procedure:

- 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 **DATAR** is not ready, hit the SPACE bar on your keyboard to change the trigger status to ready.
- Press and hold the UP SHIFT button on the transmission shift lever to run the RAMP test. The machine display will count down from 100 to 0. When the test is complete, the display shows END. This test takes about 20 seconds.



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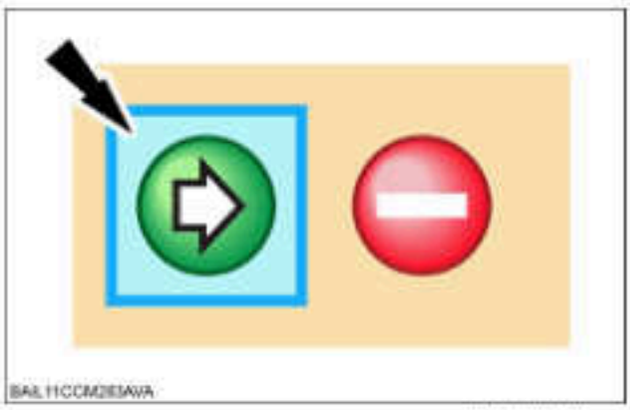
- In the **DATAR**, when the ramp test ends, press the SPACE bar to capture and retain the result line.
- Compare the **DATAR** line measured with the outcome line expected, indicated in the following Valve Test Wizard. (Don't forget about ALT-TAB to switch between programs)



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Step 5b. STEP test procedure:

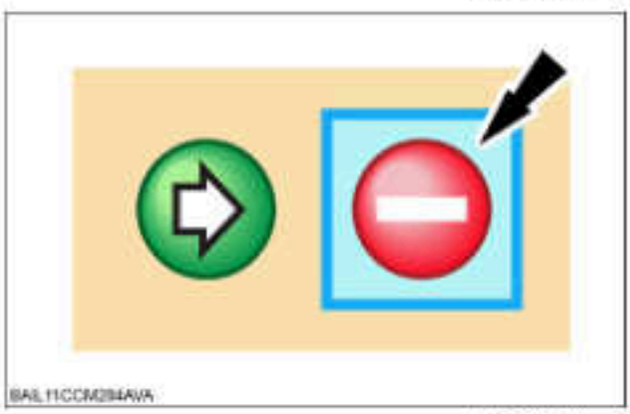
- In **DATAR**, in the lower left corner, make sure that the capture trigger is "ready" to start data capture. This is marked by a green ball illuminated in blue as shown in the figure on the right-hand side. If **DATAR** is not ready, hit the SPACE bar on your keyboard to change the trigger status to ready.
- Press and hold the DOWN SHIFT button on the transmission shift lever to run the STEP test. The machine display will count up from 1 to 4. When the test is complete, the display shows END. This test takes about 5 seconds.



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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)

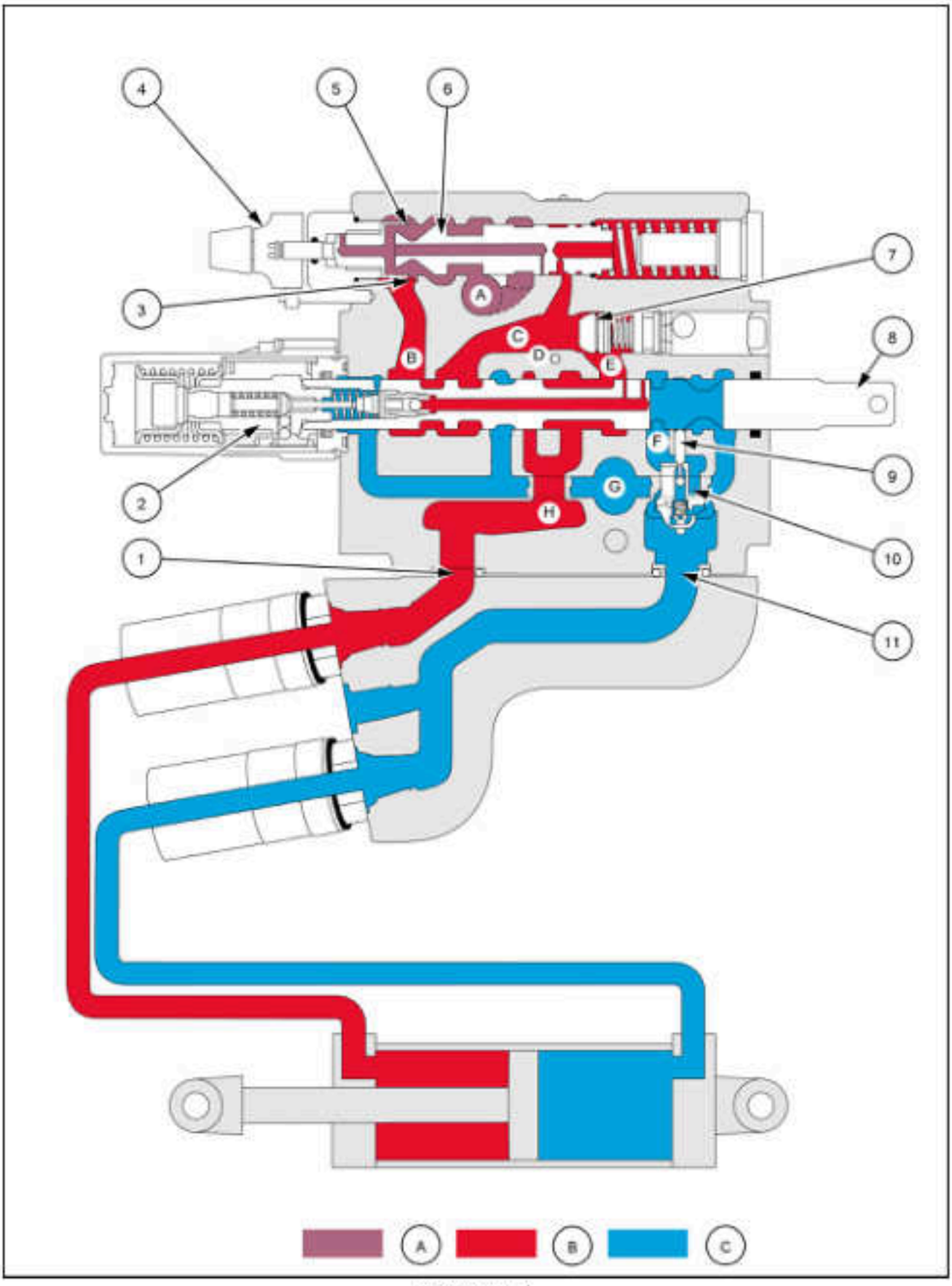
NOTE: *During the step test, the machine software does two quick hitches of the clutch. With some clutches, you hear an audible signal.*



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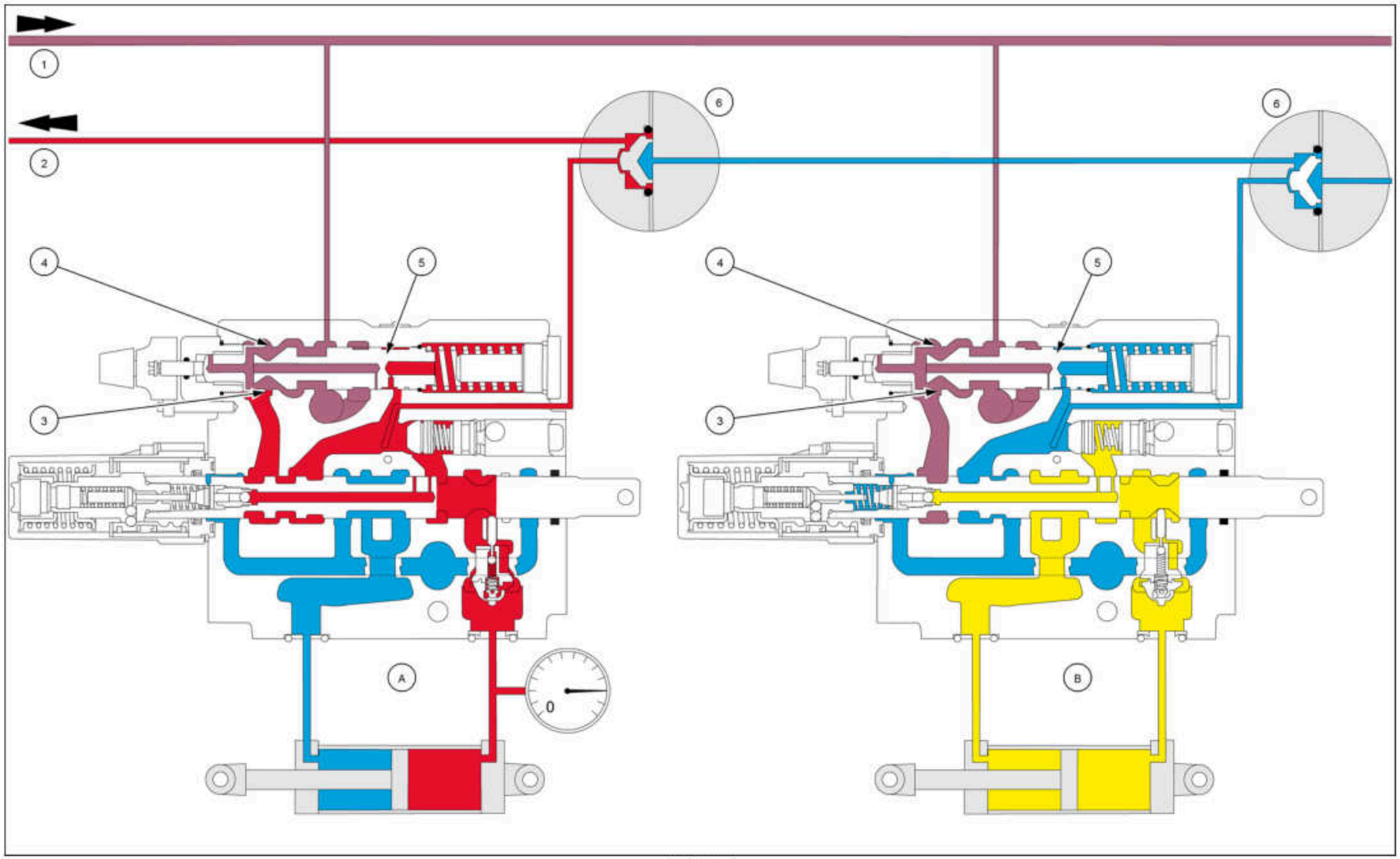
NOTE: *The accumulator test can only be performed if "ACC" is selected in step 3 above. Only the downshift button (Down shift) is used in this test.*

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