SERVICE MANUAL

E260CSR

Crawler Excavator

Part number 48090747
English
February 2017

NEW HOLLAND CONSTRUCTION

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3. ATTACHMENT DIMENSIONS

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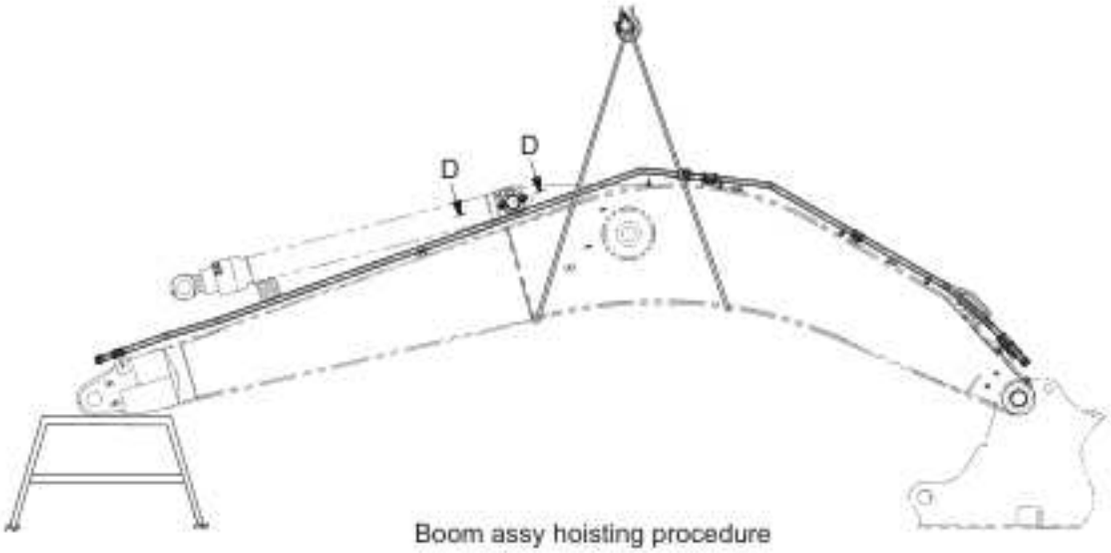
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(8)
Hoisting boom assy
Hoist and remove boom assy.

Weight of single boom: 2,490 kg (5,490 lbs)



Boom assy hoisting procedure

(9)
Completion of removal of front attachments
When the removing and attaching of cylinder are not required, the work is finished.

(10)
Removing and installing arm cylinder

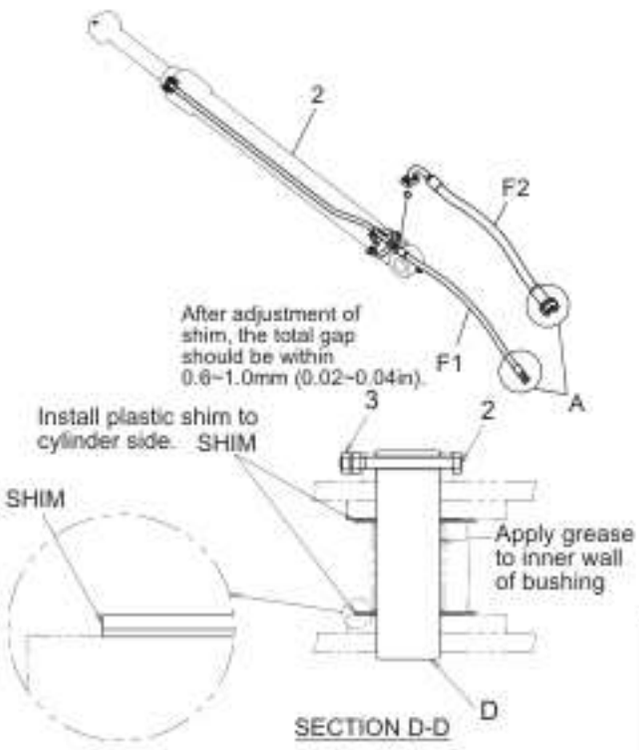
1. Lift up arm cylinder (2) with nylon sling so that the head of cylinder is not loaded.
2. Disconnect hose (F1) and (F2) at position A. After disconnection of hose, plug both ends of hose.

   Plug: TOOLS
   11.5.2-(4) Plugs for ORS fitting
   11.5.2-(5) Plugs for half clamp
   Tools: Spanner: 36 mm
   Tools: Allen wrench: 12 mm

3. Removing arm cylinder head pin (D)
   Loosen nut (3), remove capscrew M16X150 (2) and pull out pin (D).

   Tools: Spanner: 24 mm

4. Removing arm cylinder (2)
   Weight of arm cylinder: 255 kg (560 lbs)



Removing arm cylinder

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Table46-101

Error code		R134		
Trouble		Swing flasher right relay error		
Judging condition		The mechatro controller output line to swing flasher right relay is short-circuited with the power source.		
Symptom		Right swing flasher does not light.		
Control in the event of failure		Relay output is stopped.		
Returned in normal condition		When the power is OFF		
Service diagnosis checking screen		Screen No.	16	D13
		Screen No.		
		Screen No.		
Checking object				Checking contents and remedy
1	Swing flasher relay R-19			When error is cancelled after removing connector (CN-74F) of swing flasher relay, check relay unit for failure, replace it with new one if failed. When resistance between relays (HB) and (HC) is 0 Ω, it is in abnormal condition. 
2	Wiring between swing flasher relay and controller CN-74F, CN-109F			When R134 is left displayed with the relay removed Check that no power 24V is produced on relay (-) line (as shown right upper figure C) according to the wiring checking procedure and replace it if necessary.
3	Mechatro controller			Check that the error is corrected after replacement of controller.

Table46-102

Error code		R144		
Trouble		Swing flasher left relay error		
Judging condition		The mechatro controller output line to swing flasher left relay is short-circuited with the power source.		
Symptom		Left swing flasher does not light.		
Control in the event of failure		Relay output is stopped.		
Returned in normal condition		When the power is OFF		
Service diagnosis checking screen		Screen No.	17	D14
		Screen No.		
		Screen No.		
Checking object				Checking contents and remedy
1	Swing flasher relay R-19			When error is cancelled after removing connector (CN-74F) of swing flasher relay, check relay unit for failure, replace it with new one if failed. When resistance between relays (HB) and (HC) is 0 Ω, it is in abnormal condition. 
2	Wiring between swing flasher relay and controller CN-74F, CN-109F			When R144 is left displayed with the relay removed Check that no power 24V is produced on relay (-) line (as shown right upper figure B) according to the wiring checking procedure and replace it if necessary.
3	Mechatro controller			Check that the error is corrected after replacement of controller.

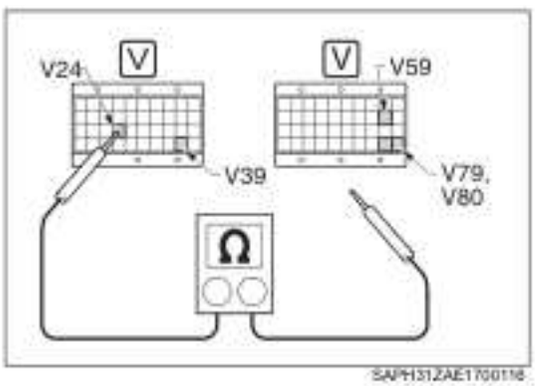
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DTC code P0540 [53]

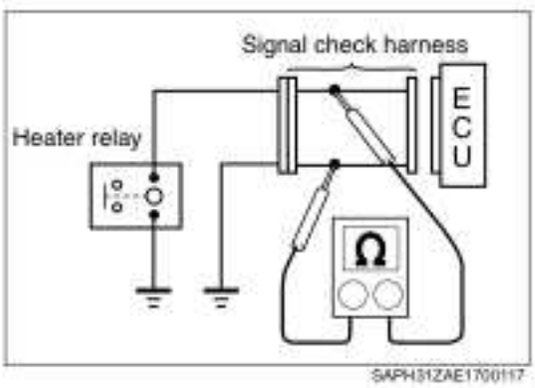
/Air intake heater circuit malfunction

JP31ZEE170601028

1	MEASUREMENT OF RESISTANCE BETWEEN TERMINALS



SAPH31ZAE1700116



SAPH31ZAE1700117

1. Set the starter key to "OFF" and connect the signal check harness.
2. Disconnect the ECU side connector of the signal check harness and measure the resistance between terminals.

Terminal to measure the resistance	
+ Side	**- Side**
V24	**V39, V59, V79, V80**

Standard value : 25 ±2.5 Ω

NO → [2] Go to measurement of relay resistance

YES

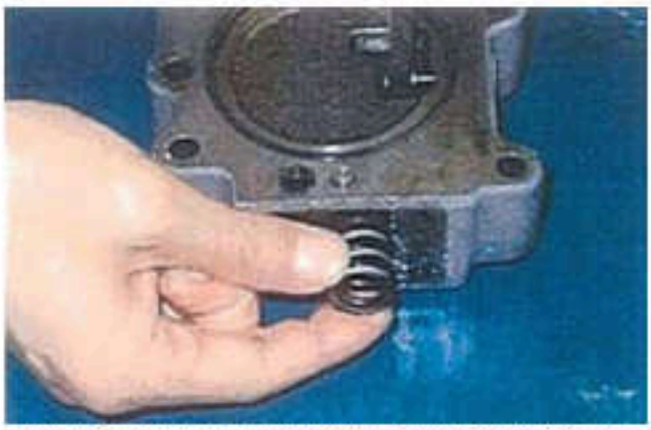
Engine ECU failure, ECU connector failure

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CAUTION

Operate the feedback lever and make sure that it does not have much looseness and that it operates without catching.

4. nstalling spring seat, pilot spring and plunger (See Fig. "Regulator exploded view")
   Place spring seat (624), pilot spring (646) and plunger (627) into the hole in the sleeve.
5. Installing cover (See Fig. "Regulator exploded view")
   Attach cover (656) to casing (601) and fasten them together with socket bolts (402).



Installing spring seat (624), pilot spring (646) and plunger (627)

Note

The cover is fitted with set screw (924) and hex nut (801).

6. Assembling the Pf sleeve and the pilot piston (See Fig. "Regulator exploded view")
   Assemble Pf sleeve (631) and pilot piston (643) into casing (601).



Assembling the sleeve (631) and the pilot piston (643).

7. Installing valve casing (See Fig. "Regulator exploded view")
   Attach valve casing (325) fitted with solenoid proportional reducing valve (079) to casing (601) and fasten them together with socket bolts (407)(408).

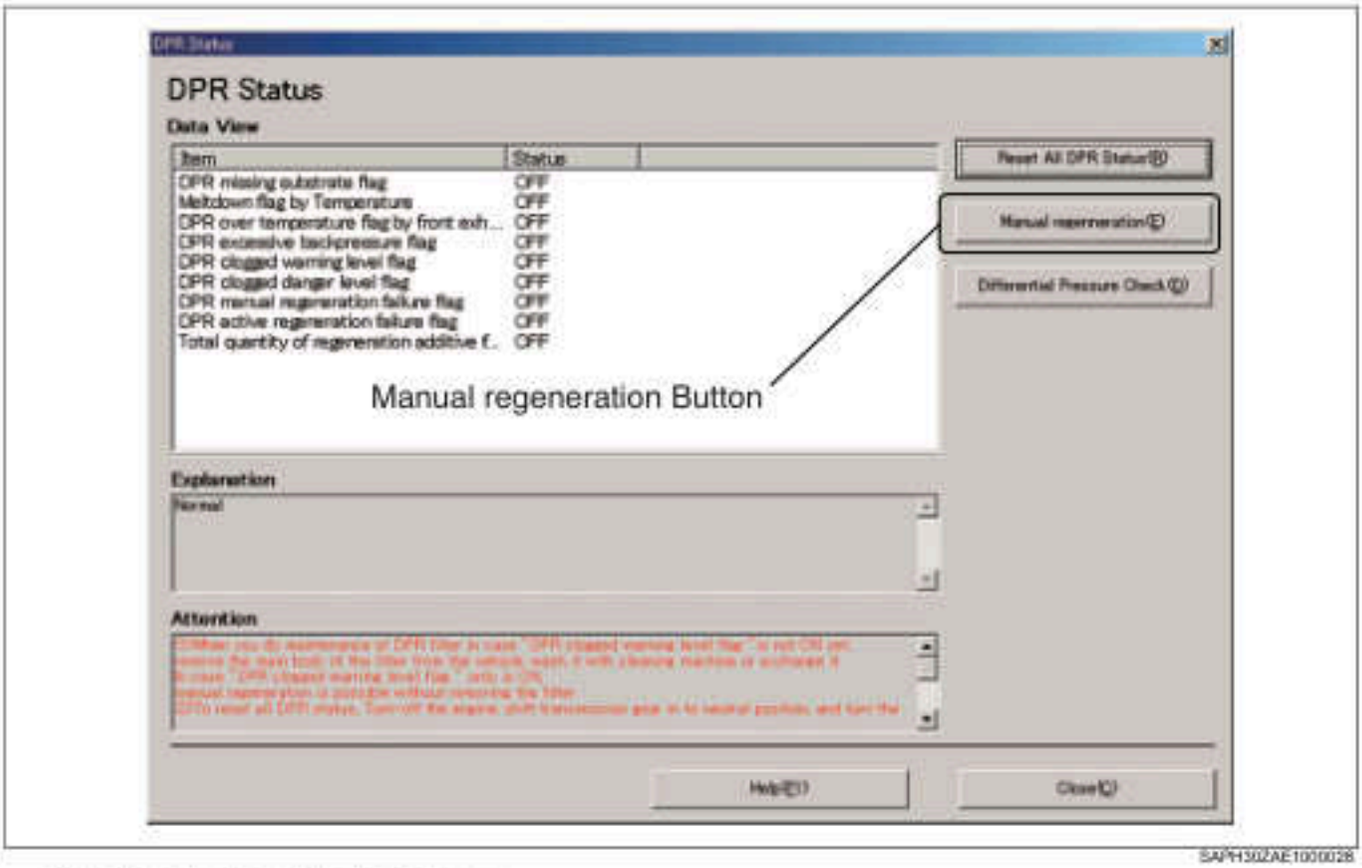
   This completes assembly.



Installing valve casing (325)

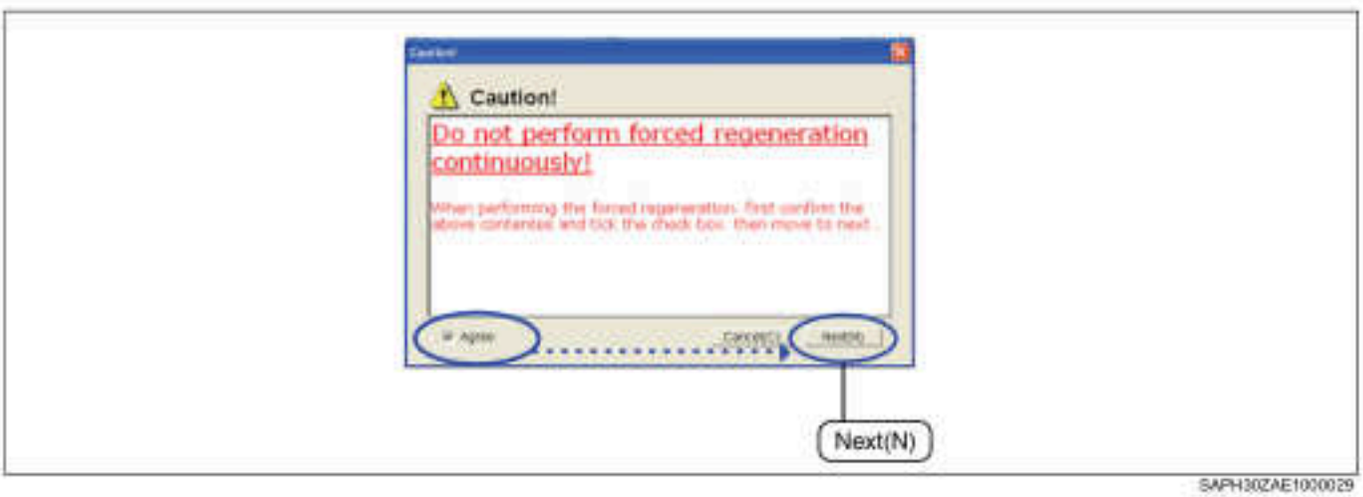
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(5) Click the "Manual regeneration" button in the DPR status window.



SAPH30ZAE1000028

(6) The "Caution window" will appear.

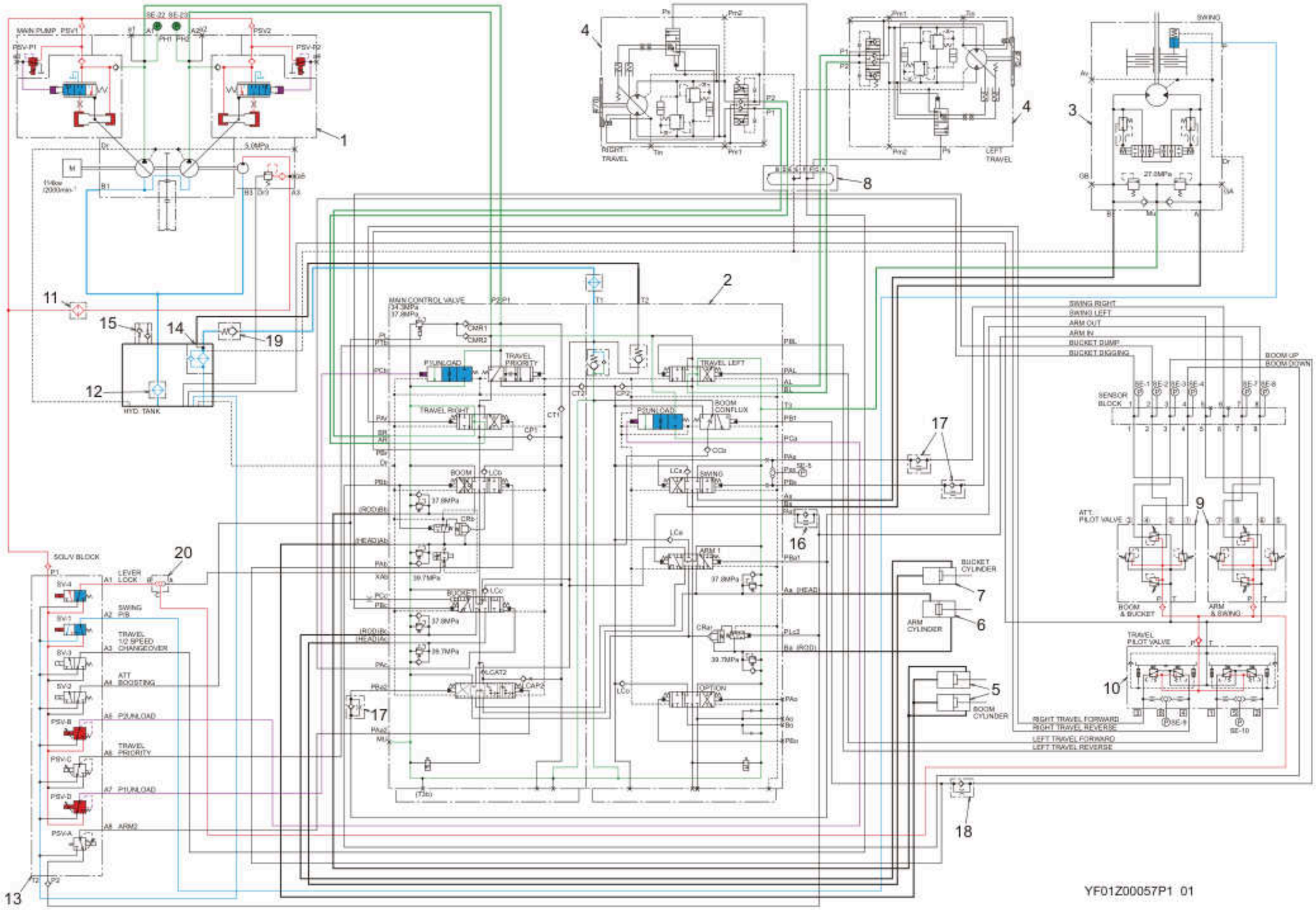


SAPH30ZAE1000029

a. Read the caution and accept its by clicking in the "Agree" check box on the left.
b. If you click "Next" button, the "Manual regeneration" window will appear.

⚠ **CAUTION** • **The "Next" button is not displayed unless you check "Agree".**

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NEUTRAL CIRCUIT : Positive control function at safety lock lever down (unlocked position)

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