SERVICE MANUAL

E265B
E305B
Crawler Excavators ROPS Tier III

Print No. 84392423A

NEW HOLLAND CONSTRUCTION

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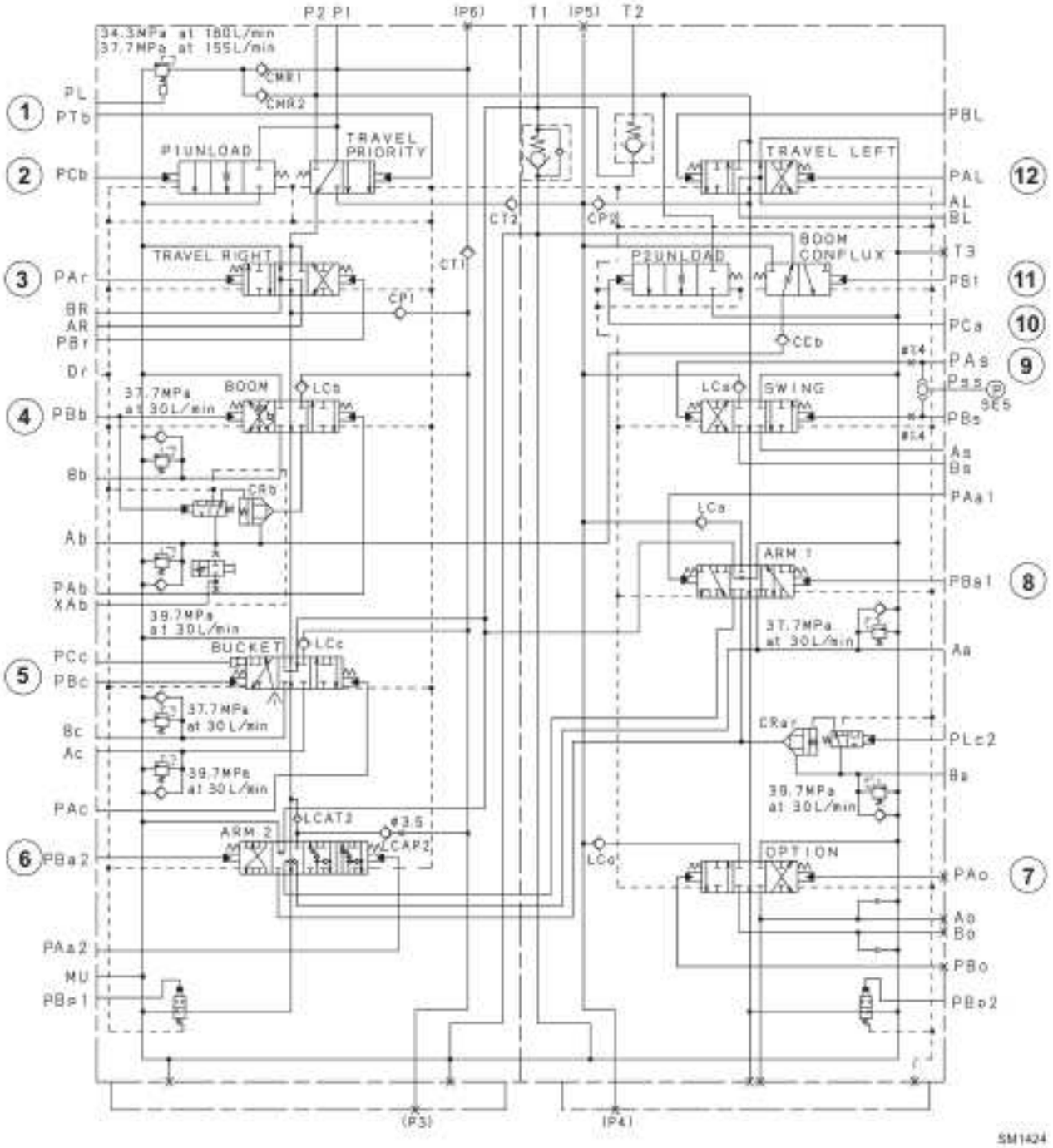


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HYDRAULIC CIRCUIT DIAGRAM E265B



1- **Travel priority**
2- **P1 Unload**
3- **Travel right**
4- **Boom**
5- **Bucket**
6- **Arm 2**
7- **Option**
8- **Arm 1**
9- **Swing**
10- **P2 Unload**
11- **Boom conflux**
12- **Travel left**

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Table 50

Error code	**C033**		
Trouble	Boom head pressure sensor's wiring is disconnected.		
Judging condition	The input voltage from boom head pressure sensor is 0.1 V or less.		
Symptom	Overload detection is not available.		
Control in the event of failure	Normal control.		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.	7	C-3 BOOM-HEAD
	Screen No.		
	Screen No.		
Checking object			Checking contents and remedy
1	• Boom head pressure sensor SE-24		When C033 is cancelled and other error occurs by turning starter switch on after exchanging the connector with other sensor. Check sensor unit for possible failure. If failure found, replace it.
2	• Wiring between boom head pressure sensor and controller CN-140F CN-103F		When C033 is displayed after turning the starter switch on after the connector is exchanged with other sensor. Check wiring for possible failure according to the wiring checking procedure and repair it if necessary.
3	• Mechatro controller		Check that the error is corrected after replacement of controller.

Table 51

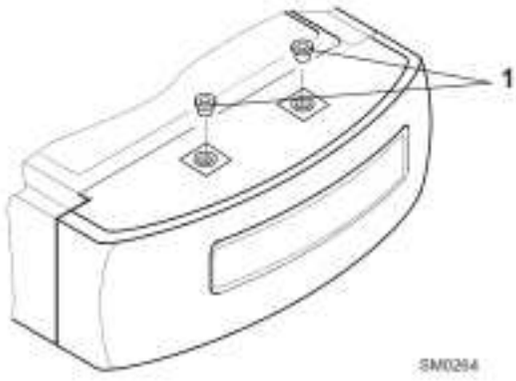
Error code	**C034**		
Trouble	Boom head pressure sensor's power source is shortcut.		
Judging condition	The input voltage from boom head pressure sensor is 4.7 V or more.		
Symptom	Then overload detection switch is ON, overload alarm sounds constantly.		
Control in the event of failure	Normal control.		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.	7	C-3 BOOM-HEAD
	Screen No.		
	Screen No.		
Checking object			Checking contents and remedy
1	• Boom head pressure sensor SE-24		When C034 is cancelled and other error occurs by turning starter switch on after exchanging the connector with other sensor. Check sensor unit for possible failure. If failure found, replace it.
2	• Wiring between boom head pressure sensor and controller CN-706F CN-104F		When C034 is displayed after turning the starter switch on after the connector is exchanged with other sensor. Check wiring for possible failure according to the wiring checking procedure and repair it if necessary.
3	• Mechatro controller		Check that the error is corrected after replacement of controller.

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REMOVAL AND INSTALLATION OF COUNTERWEIGHT

Removal of counterweight

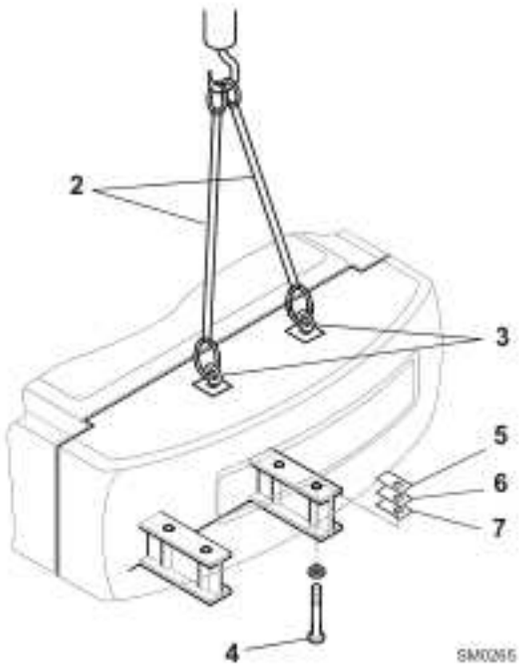
1. Remove plugs (**1**) from the counterweight and attach two M48 eye bolts to the counterweight.



NOTE: *approximate mass of counterweight: 6200 kg (13671 lbs).*

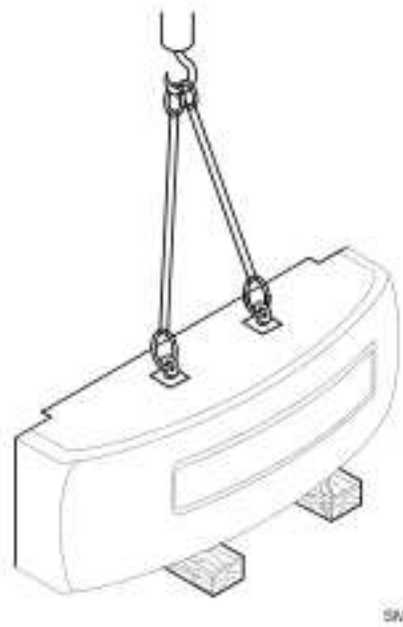
2. Attach wire rope (**2**) to eye-bolts (**3**) using shackles.
   Take out slack of wire rope by applying tension slowly with a crane or hoist.
   Wire with hook:
   Length 1.5 m, dia. more than 16 mm – (2 pcs.).

3. Remove 4 bolts (**4**) M33.
   Lift counterweight using a crane or hoist.
   : 50 mm



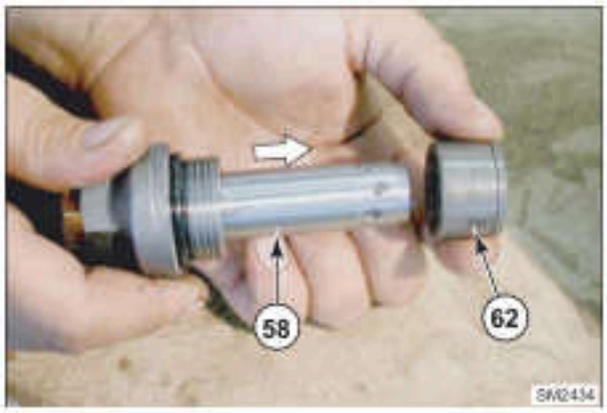
4. Remove shim (**5**), (**6**), (**7**) from the frame.

5. Lower the counterweight on proper stand.

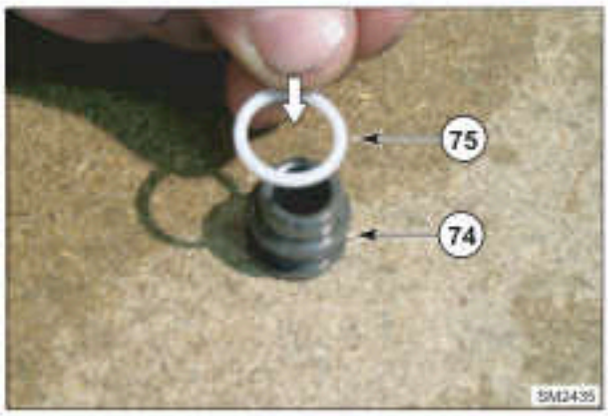


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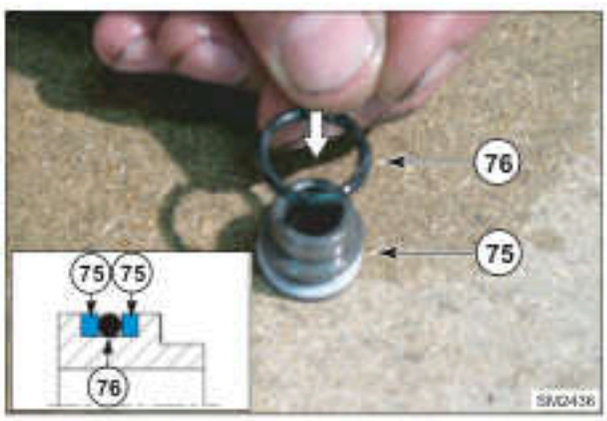
49. Insert the free piston (**62**) in the relief valve (**58**) checking that the groove side is turned toward the inside of the motor.



50. Assemble the 1st backup ring (**75**) into its seat in the poppet (**74**).



51. Assemble the O-ring seal (**76**) and the 2nd backup ring (**75**) into its seat in the poppet (**74**).

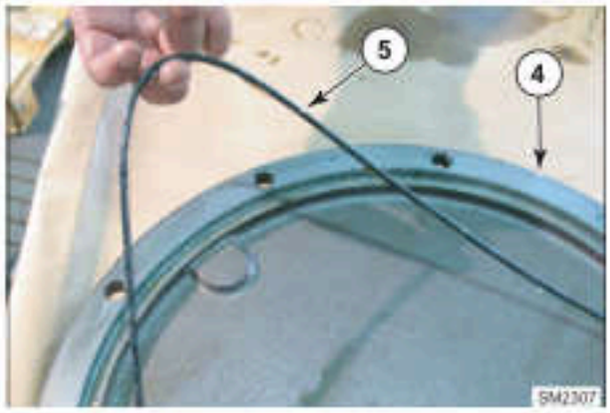


52. Insert the poppet (**74**) into its seat in the relief valve (**75**).

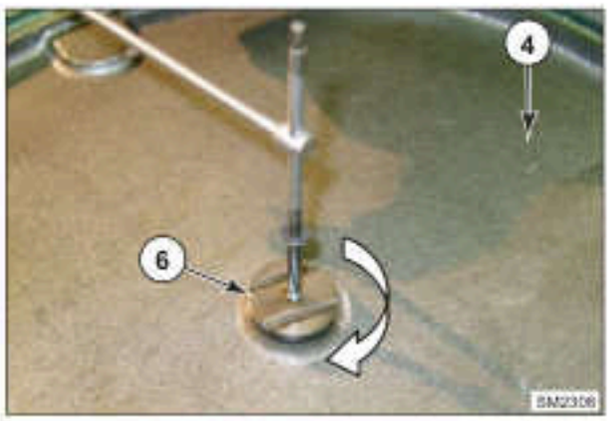


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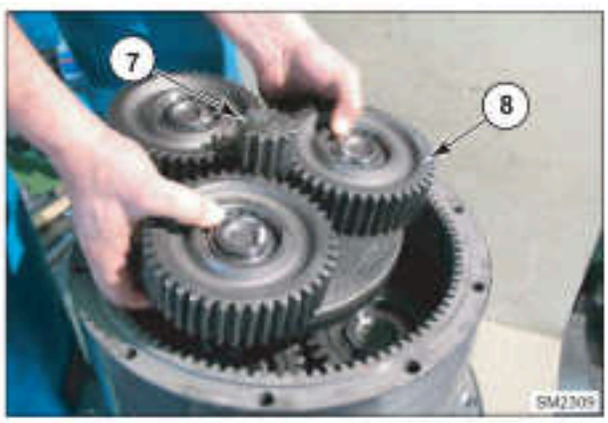
3. Remove the O-Ring seal (**5**) from its seat in the end cover (**4**).



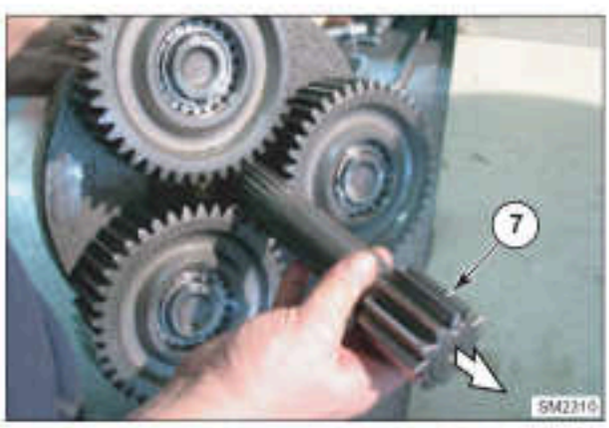
4. Screw a socket head screw M5x20 in the threaded hole of the pad (**6**) in order to remove it from the end cover (**4**).



5. Remove the 1st reduction assembly (**8**) and the 1st stage sun gear (**7**).



6. Remove the 1st stage sun gear (**7**).



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