SERVICE MANUAL

E265B
E265BLC

Print No. 87731199

NEW HOLLAND CONSTRUCTION

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3. ATTACHMENT DIMENSIONS

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3.3 BUCKET

3.3.1 BUCKET DIMENSIONAL DRAWING

(1) Hoe bucket

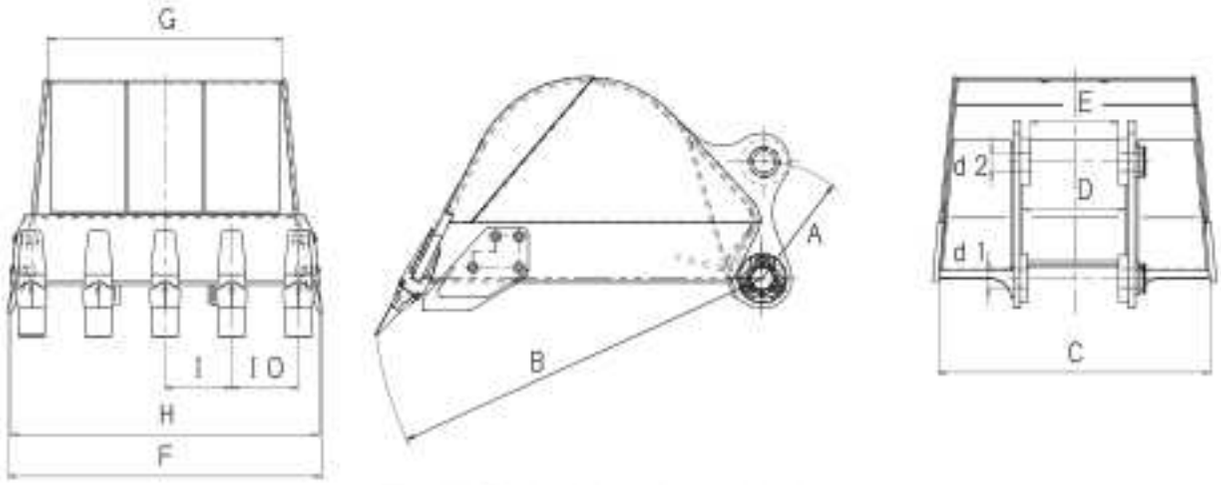


Fig. 3-7 Bucket dimensional drawing

No.	NAME	No.	NAME
A	Distance between pin and bracket	G	Inner width of bucket bottom
B	Distance between bucket pin and tooth end	H	Bucket outer width of front side
C	Inner width of bucket top end	I	Pitch between teeth
D	Inner width of lug	Io	Pitch between teeth
E	Inner width of bracket	d1	Outer dia. of bushing
F	Outer width of side cutter	d2	Pin dia.

3.3.2 BUCKET DIMENSIONAL TABLE

Unit : mm (ft-in)

Type	Hoe bucket			
Capacity	0.81 m³ (1.06 cu•yd) Side pin type	[STD] 1.00 m³ (1.31 cu•yd))	1.20 m³ (1.57 cu•yd))	1.40 m³ (1.83 cu•yd))
Part No.	LQ61B00170F1	LQ61B00186F1	LQ61B00125F1	LQ61B00166F1
A	R500 (19.7")	←	←	←
B	R1,515 (4'12")	←	←	←
C	896 (35.3")	1,115 (3'8")	1,276 (4'2")	1,443 (4'9")
D	399 (15.7")	←	←	←
E	327 (12.9")	←	←	←
F	959 (37.8")	1,274 (4'2")	1,339 (4'5")	1,505 (4'11")
G	746 (29.4")	965 (38")	1,126 (3'8")	1,293 (4'3")
H	896 (35.3")	1,178 (3'10")	1,276 (4'2")	1,443 (4'9")
I	256 (10.1")	247 (9.7")	287 (11.3")	263 (10.4")
IO	256 (10.1")	247 (9.7")	287 (11.3")	263 (10.4")
d1	ø 105 (4.13")	←	←	←
d2	ø 90 (3.54")	←	←	←

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Table46-39

Error code	B163		
Trouble	P1 side option pressure sensor's wiring is disconnected.		
Judging condition	The input voltage from P1 side option pressure sensor is 0.1V or less.		
Symptom	The P1 side option does not work.		
Control in the event of failure	Set proportional valve output rate of P1 and P2 pumps to 0mA. (Hydraulic pump emergency mode) Set output of P1 unload proportional valve to 0mA. (Valve emergency mode) But normal control is done when the left control pedal selection is ON.		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.	6	B-16 P1 OPT.
	Screen No.		
	Screen No.		

	Checking object	Checking contents and remedy
1	• P1 side option pressure sensor SE-20	When B163 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 P1 side option pressure sensor and controller CN-304F CN-102F	When B163 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.

Table46-40

Error code	B164		
Trouble	P1 side option pressure sensor's wiring is disconnected.		
Judging condition	The input voltage from P1 side option pressure sensor is 4.7V or more.		
Symptom	The P1 side option does not work.		
Control in the event of failure	Set proportional valve output rate of P1 and P2 pumps to 0mA. (Hydraulic pump emergency mode) Set output of P1 unload proportional valve to 0mA. (Valve emergency mode) But normal control is done when the left control pedal selection is ON.		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.	6	B-16 P1 OPT.
	Screen No.		
	Screen No.		

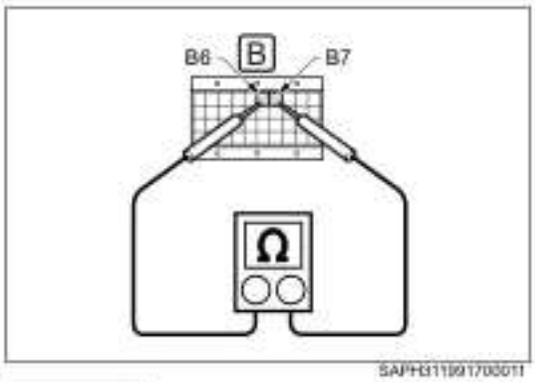
	Checking object	Checking contents and remedy
1	• P1 side option pressure sensor SE-20	When B164 is cancelled and other error occurs by turning starter switch on after exchanging the connector with other sensor. Check sensor unit for possible failure. If failure found, replace it.
2	• Wiring between P1 side option pressure sensor and controller CN-304F CN-102F	When B164 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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Engine speed main sensor circuit malfunction (DTC code P0335)

JP31199170601004

1	Measurement of resistance between terminals



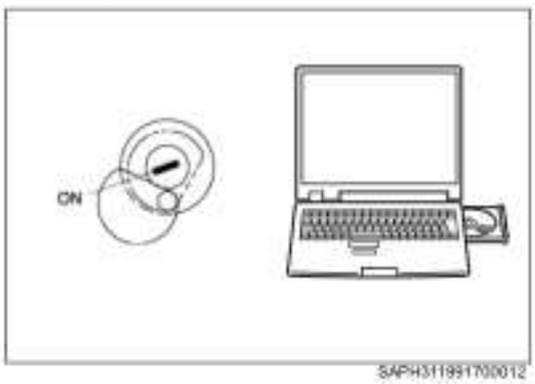
SAPH3119917000011

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 terminal B6 and terminal B7.
   Standard value : Approx. 125.5 ± 17 Ω (20 °C{68 °F})

NG → [3] Go to measurement of resistance between sensor terminals.

OK

2	Check of diagnosis code



SAPH3119917000012

1. Connect the ECU side connector of the signal check harness. After deleting the past failure, Start the engine and confirm that no diagnostic code is put out.
   Standard : No diagnostic code

NG → Contact failure of ECU connector, ECU failure, short-circuit of harness

OK

Normal

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33.2.2.3.11 Disassembling P2 unload spool

(1) Loosen socket bolts (273), and remove spring cover (202) of P2 unload spool and O-ring (261).

(2) Draw out the assembly which is consist of P2 unload spool (310), spring seat (331), spring (327, 329), stopper (336) and bolt (333) from casing A (101).

CAUTION

When drawing out the spool assy, use care so as not to score casing A (101).

(3) Fix the P2 unload spool assy with vise via a protective plate (aluminum plate etc.) and remove bolt (333). Then remove spring seat (331), spring (327, 329) and stopper (336) from P2 unload spool (310).



Fig. 33-167 Removing P2 unload spring cover (202)



Fig. 33-168 Drawing out P2 unload spool assy (310)

33.2.2.3.12 Removing spool covers

(1) Travel, boom, bucket, arm 1, arm 2 and option
Loosen socket bolts (273) and remove spool cover (205) and O-ring (264).

(2) Swing
Loosen socket bolts (273) and remove spool cover (206) and O-ring (264), (266). Do not disassemble spool cover (206) further unless there is special reason.



Fig. 33-169 Removing spool cover (205),(206)

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