SERVICE MANUAL

E385B
E385BLC

Print No. 87731197

NEW HOLLAND CONSTRUCTION

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3.3.4 BOSS SECTION DIMENSIONAL DRAWING

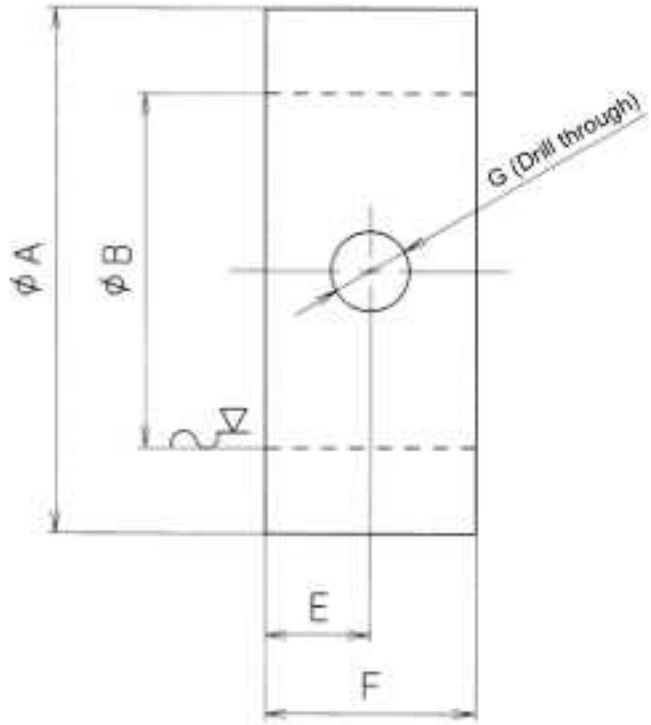


Fig. 3-9 Dimension of boss section

Unit : mm (ft-in)

Type of bucket	Capacity of bucket m³ (cu•yd)	Part No. of bucket	Part No. of boss	øA	øB	E	F	øG
GD bucket	1.40 (1.83)	LC61B00115F1	LS12B01054P1	139.8 (5.50")	103.8 (4.09")	15 (0.591")	40 (1.58")	21 (0.827")
	1.20 (1.57)	LC61B00052F1						
	1.60 (2.09)	LC61B00118F1						
	1.80 (2.35)	LC61B00057F1						

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Table46-31

Error code	B093		
Trouble	Travel right pressure sensor's wiring is disconnected.		
Judging condition	The input voltage from Travel right pressure sensor is 0.1V or less.		
Symptom	The Travel right operability becomes poor.		
Control in the event of failure	Set proportional valve output rate of P1 and P2 pumps to 0mA. (Hydraulic pump emergency mode) P1, Set output of P2 unload proportional valve to 0mA. (Valve emergency mode)		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.	6	B-9 TRAVEL (R)
	Screen No.		
	Screen No.		

	Checking object	Checking contents and remedy
1	• Travel right pressure sensor SE-9	When B093 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 travel right pressure sensor and controller CN-301F CN-102F	When B093 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.

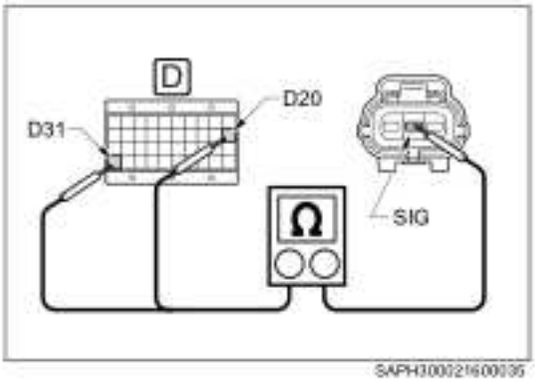
Table46-32

Error code	B094		
Trouble	Travel right pressure sensor's power source is shortcut.		
Judging condition	The input voltage from Travel right pressure sensor is 4.7V or more.		
Symptom	The Travel right operability becomes poor.		
Control in the event of failure	Set proportional valve output rate of P1 and P2 pumps to 0mA. (Hydraulic pump emergency mode) P1, Set output of P2 unload proportional valve to 0mA. (Valve emergency mode)		
Returned in normal condition	It returns automatically in normal condition.		
Service diagnosis checking screen	Screen No.	6	B-9 TRAVEL (R)
	Screen No.		
	Screen No.		

	Checking object	Checking contents and remedy
1	• Travel right pressure sensor SE-9	When B094 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 travel right pressure sensor and controller CN-301F CN-102F	When B094 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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3	Measurement of resistance between terminals



1. Set the starter key to "OFF" and disconnect the ECU side connector of the signal check harness.
2. Measure the resistance between terminals D20/D31 of the signal check harness and the SIG terminal of the common rail pressure sensor connector (at machine harness side).

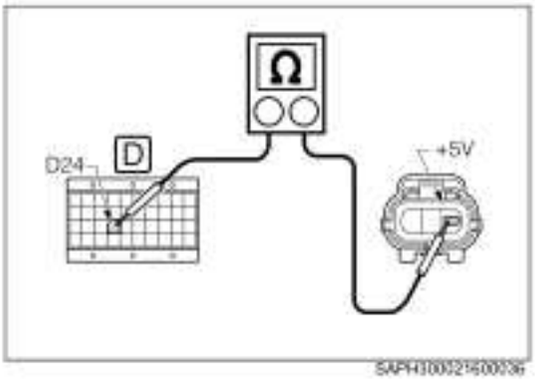
Standard value : 2 Ω or less

NG → Harness failure

OK

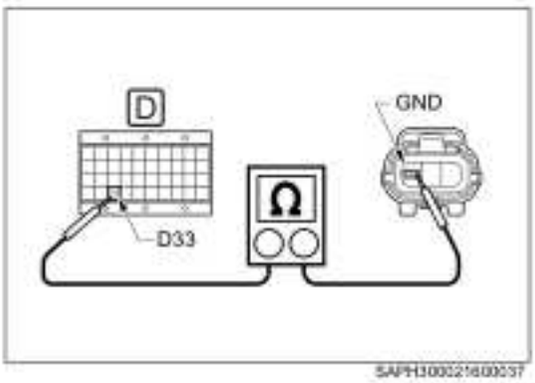
Connector contact failure

4	Measurement of resistance between terminals



1. Set the starter key to "OFF" and disconnect the ECU side connector of the signal check harness.
2. Measure the resistance between terminals D24 of the signal check harness and the +5 V terminal of the common rail pressure sensor connector (at machine harness side).

Standard value : 2 Ω or less



3. Measure the resistance between terminal D33 of the signal check harness and the GND terminal of the common rail pressure sensor connector (at machine harness side).

Standard value : 2 Ω or less

NG → Harness failure

OK

Engine ECU failure, ECU connector failure

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).



Fig. 33-168 Removing P2 unload spring cover (202)

(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. 33-169 Disassembling P2 unload spool assy (310)

33.2.2.3.12 Removing spool covers

(1) Travel, 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.

(3) Boom
Loosen socket bolts (273) and remove spool cover (206) and O-ring (264). Do not disassemble spool cover (208) further unless there is special reason.



Fig. 33-170 Removing spool cover (205),(206)

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