CX36B
Tier 4B (final)
Compact Hydraulic Excavator

PIN NETN36001(PX17-40001) and above

SERVICE MANUAL

Part number S5PX0011E01
1st edition English
October 2014

CASE CONSTRUCTION

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Hydraulic systems - Hydraulic schematic frame 02 Nibbler & Breaker

1	Hydraulic motor	7	Breaker
2	Breaker	8	Solenoid valve assembly
3	Nibbler	9	Control valve assembly
4	Stop valve assembly	10	To dozer attachment pilot valve
5	Stop valve assembly	11	For attachment pilot valve
6	Selector	12	To S/V lever lock

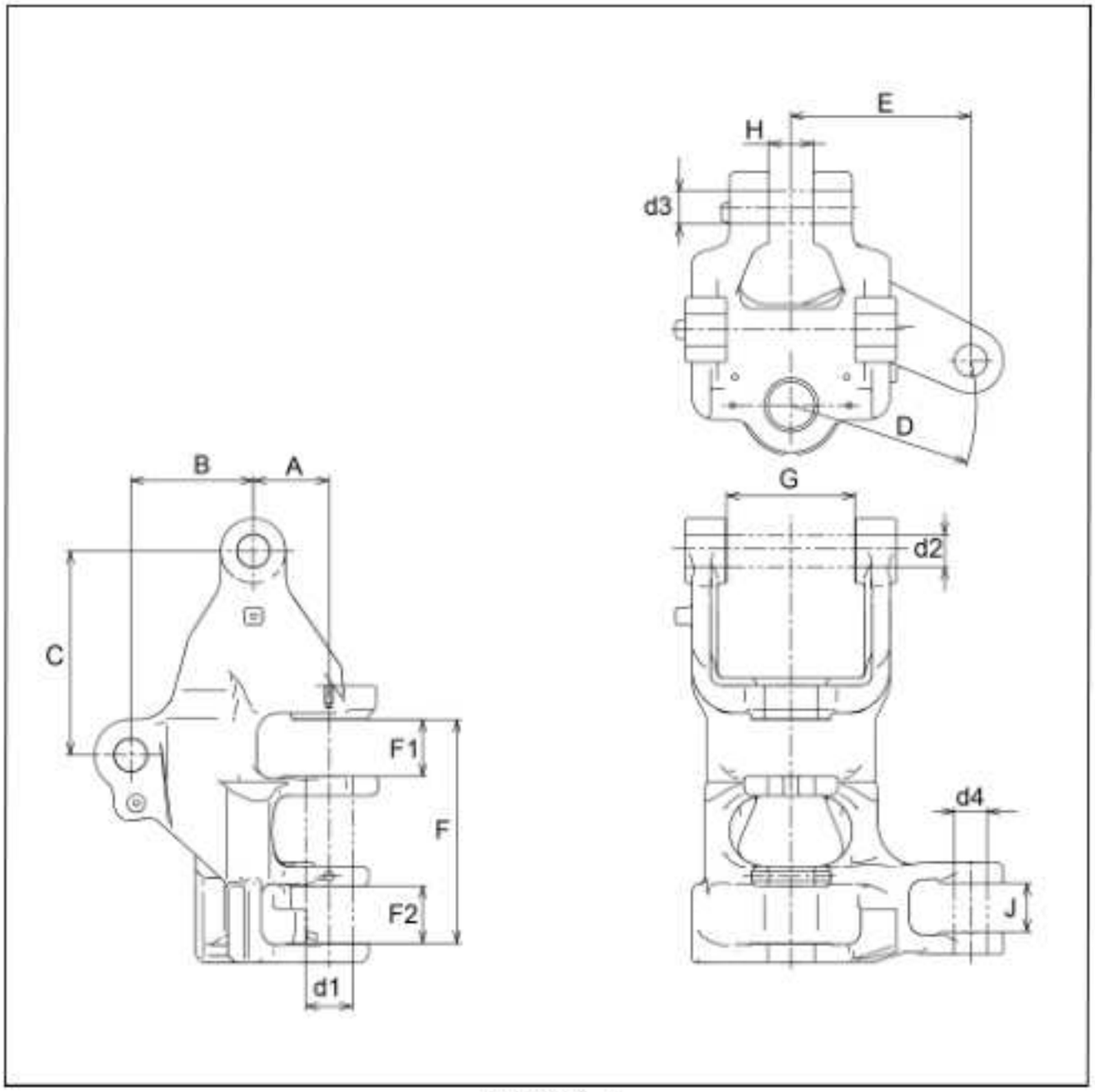
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Electrical system - Test I113

Error code		I113		
Description of failure		CAN1 communication receive error. (Timeout)		
Judged by		Failed in receiving data from the engine controller.		
Symptom		None.		
Control at failure		Controlled normally.		
Return in normal condition		Returned automatically when the condition is corrected.		
Confirmation screen for service diagnosis		Screen No.	2	Water temperature
		Screen No.		
		Screen No.		
To be inspected				Inspection and action
1	Wiring between the cluster and the controller CN-349F CN-501F			Inspect and repair the wiring harness as required.
2	Mechatro controller			Replace the controller and check if the failure goes away.

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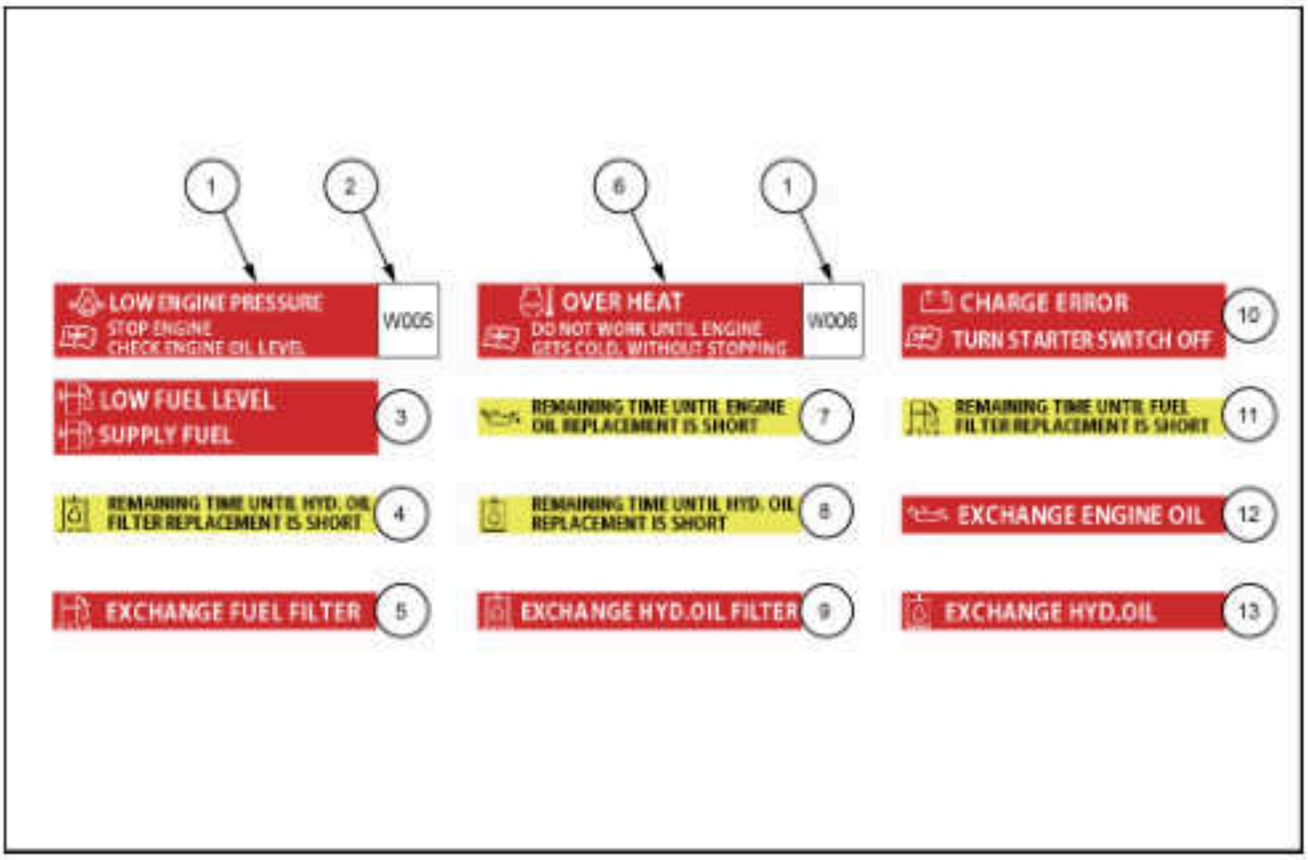
Boom pivoting support - General specification Boom swing bracket



RAIL14CEX1643GA 1

	Name	Dimension
A	Distance between swing center pin and boom foot pin	**105.00 mm (4.13 in)**
B	Distance between boom foot pin and boom cylinder pin	**170.00 mm (6.69 in)**
C	Distance between boom foot pin and boom cylinder pin	**284.00 mm (11.18 in)**
D	Distance between swing center pin and swing cylinder pin	**257.00 mm (10.12 in)**
E	Distance between swing center pin and swing cylinder pin	**249.40 mm (9.82 in)**
F	Inside width of swing gear	**311.00 mm (12.24 in)**
F1	Inside width of swing gear	**79.00 mm (3.11 in)**
F2	Inside width of swing gear	**79.50 mm (3.13 in)**
G	Inside width of boom foot	**178.00 mm (7.01 in)**
H	Inside width for installing boom cylinder	**61.00 mm (2.40 in)**
J	Inside width for installing swing cylinder	**68.00 mm (2.68 in)**
d1	Pin diameter of swing center	**65.00 mm (2.56 in)**
d2	Pin diameter of boom foot	**45.00 mm (1.77 in)**

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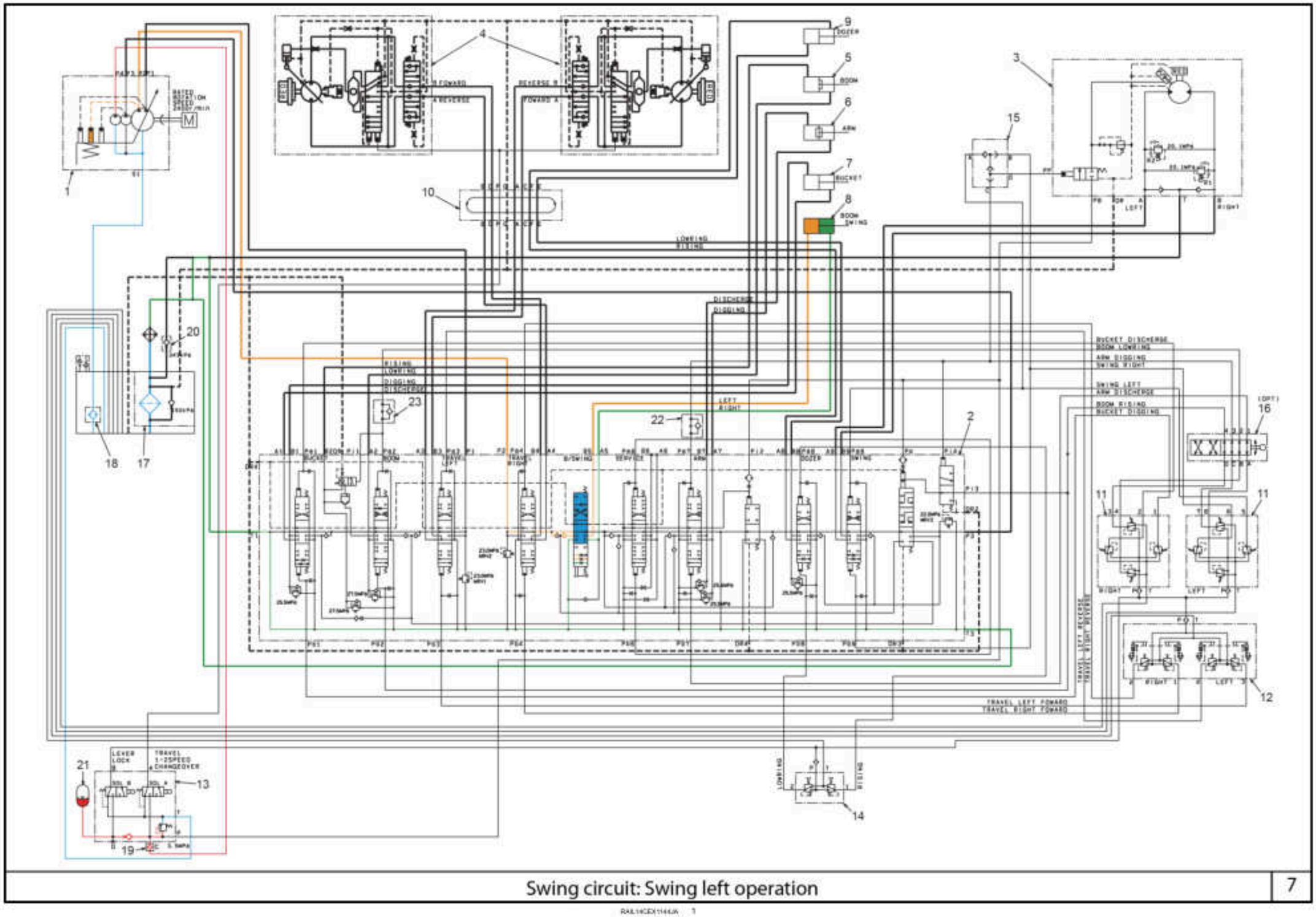


RAIL14CEX1008FA 2

1	Low engine pressure Stop engine Check engine oil level	8	Remaining time until hydraulic oil replacement is short
2	Error code	9	Exchange hydraulic oil filter
3	Low fuel level Supply fuel	10	Charge error Turn starter switch off
4	Remaining time until hydraulic oil filter replacement is short	11	Remaining time until fuel filter replacement is short
5	Exchange fuel filter	12	Exchange engine oil
6	Overheat Do not work until engine gets cold, without stopping	13	Exchange hydraulic oil
7	Remaining time until engine oil replacement is short		

NOTE: *Error codes are stored as a failure history and are displayed by the failure history display function on the multi-display.*

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Swing circuit: Swing left operation 7

RAIL14CEX1144JA 1

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