KOBELCO

SERVICE MANUAL

Hydraulic Excavator

SK350-9

Tier 4

S5LC0026E03

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APPLICABLE:
SK350-9 . . . . . YC12U2400 and higher ~

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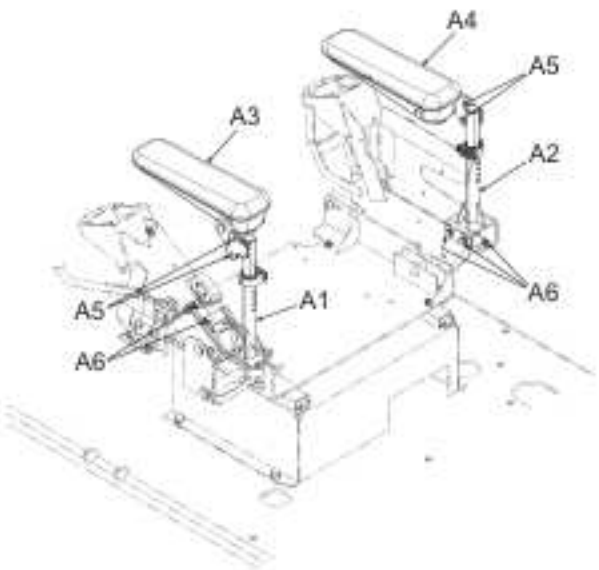
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33.1.1.2 INSTALLATION

Install it in reverse procedure of removing according to the tightening torque table.

Tightening position	Allen wrench HEX	Tightening torque N·m (lbf·ft)
Capscrew (B2)	6	23 (17)
Sems bolt (C3)	17	46.5 (34.3)
Sems bolt (A6)	13	23 (17)
Capserew (A5)	13	23 (17)



Disassembling and Assembling Armrest

Reference : Movement on rail
Upper rail.....Fixed on lower surface of seat
[Forward 80mm (0.26in), backward 80mm (0.26in)]
Lower rail.....Fixed on seat stand.
[Forward 60mm (0.19in), backward 60mm (0.19in)]
Amount of adjustment of seat height
[Up; 23mm (0.07in), down; 37mm (0.16in)]
Suspension stroke
[Up; 37.5mm (1.48in), down; 37.5mm (1.48in)]

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Table 46-95

Error code	I213		
Trouble	Reception of CAN2 communication is abnormal. (Time-out)		
Judging condition	Reception from gauge cluster can not receive correctly.		
Symptom	Switch operation of gauge cluster can not be done.		
Control in the event of failure	Normal control		
Returned in normal condition	Normal control		
Service diagnosis checking screen	Screen No.		
	Screen No.		
	Screen No.		
Checking object			Checking contents and remedy
1	-Wiring between gauge cluster and controller CN-601F CN-106F		Check wiring for possible failure according to the wiring checking procedure and repair it if necessary.
2	-Mechatro controller		Check that the error is corrected after replacement of controller.

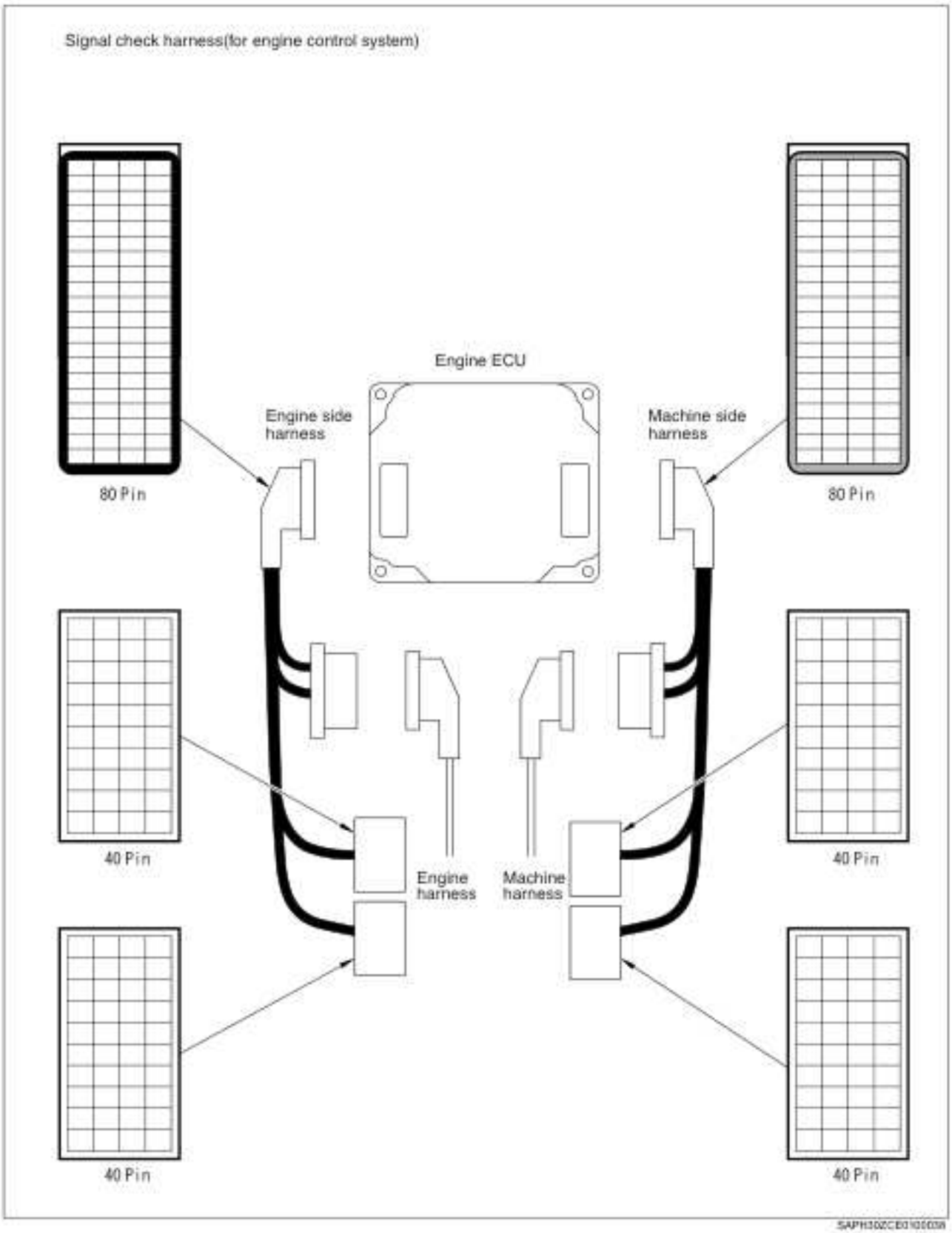
Table 46-96

Error code	I221		
Trouble	Transmission of CAN2 communication is abnormal. (Busoff)		
Judging condition	Transmission from mechatro controller can not receive correctly.		
Symptom	It has been affected little.		
Control in the event of failure	Normal control		
Returned in normal condition	Normal control		
Service diagnosis checking screen	Screen No.		
	Screen No.		
	Screen No.		
Checking object			Checking contents and remedy
1	-Wiring between ECU and controller CN-601F CN-106F		Check wiring for possible failure according to the wiring checking procedure and repair it if necessary. (There is a possibility of false disconnection.)
2	-Mechatro controller		Check that the error is corrected after replacement of controller.

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(2) Terminal No.

For the signal check harness connector, the ECU terminal number in the text is treated as follows :



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33.2.2.3.1 Disassembling P1 unload spool

(1) Loosen the socket bolts (273) and remove the spring cover (202) and the O-ring (261) for P1 unload spool.



Removing Spring Cover (202) For P1 Unload Spring Cover

(2) Draw out, from casing B (102), as a assembly of P1 unload spool (309), spring seat (331), springs (327 and 329), stopper (336) and bolt (333).



Drawing Out P1 Unload Spool Assembly (309)

⚠CAUTION

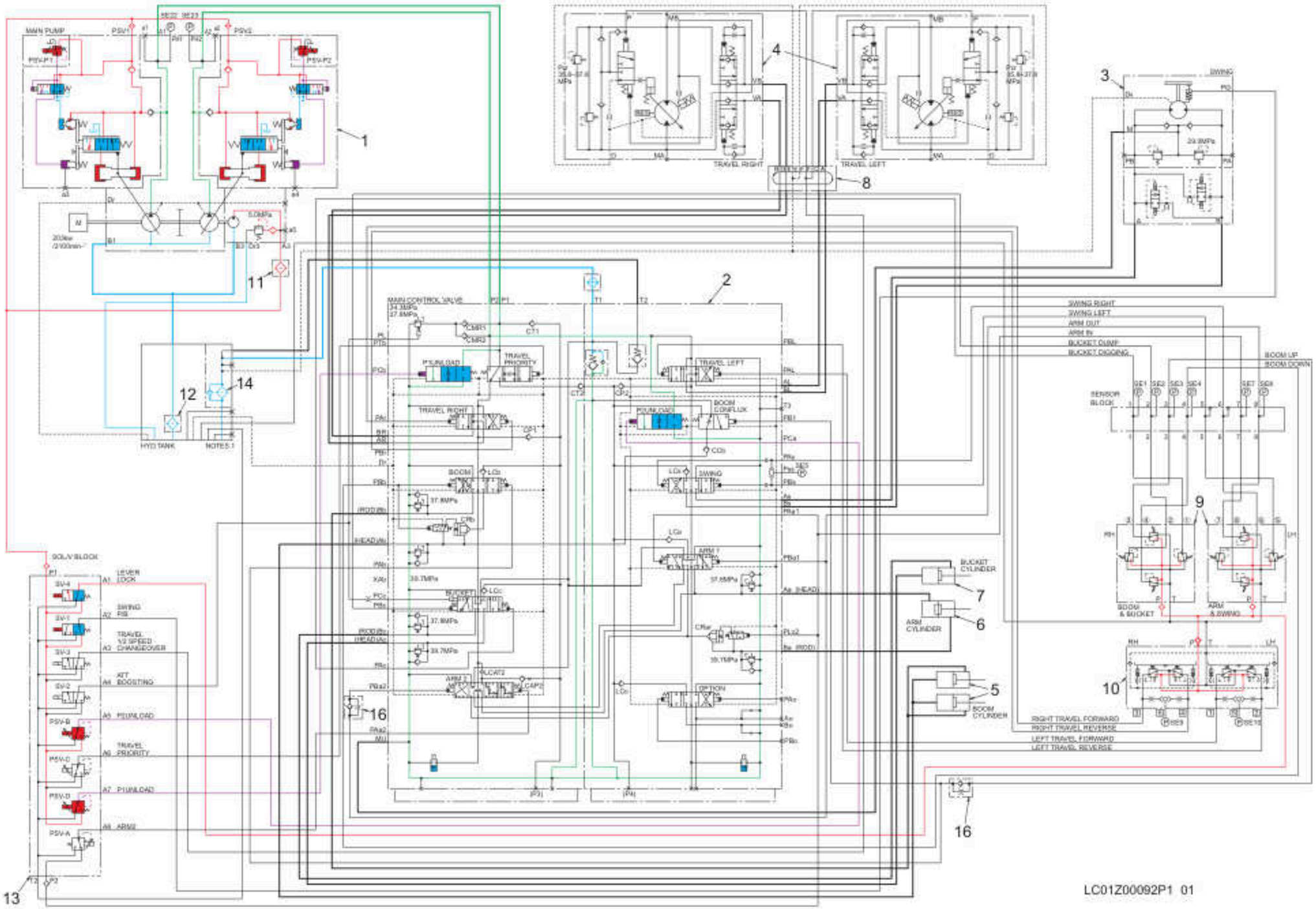
When drawing out the spool assembly, use care so as not to score casing B (102).

(3) Fix the P1 unload spool assembly with a vise via a protective plate (aluminum plate, etc.) and remove bolt (333). Then separate spring seat (331), springs (327), (329) and stopper (336) from P1 unload spool (309).



Disassembling P1 Unload Spool Assembly (309)

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PRESSURE DRAIN (RELEASE) CIRCUIT: At Pressure Release Mode

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