CRAWLER EXCAVATOR

SERVICE MANUAL

HX260A L

HYUNDAI

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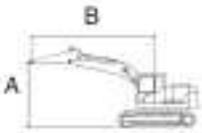
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	3600	4600	600	-	-	-	-	-

· : Rating over-front · : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)												At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg							*4470	*4470					*3790	*3790	6.26
	lb							*9850	*9850					*8360	*8360	(20.5)
7.5 m (24.6 ft)	kg									*3730	*3730			*3410	*3410	7.59
	lb									*8220	*8220			*7520	*7520	(24.9)
6.0 m (19.7 ft)	kg							*5190	*5190	*5280	*5280			*3260	*3260	8.45
	lb							*11440	*11440	*11640	*11640			*7190	*7190	(27.7)
4.5 m (14.8 ft)	kg							*6140	*6140	*5720	*5720			*3260	*3260	8.97
	lb							*13540	*13540	*12610	*12610			*7190	*7190	(29.4)
3.0 m (9.8 ft)	kg					*9590	*9590	*7420	*7420	*6390	5750	*4480	4320	*3380	*3380	9.22
	lb					*21140	*21140	*16360	*16360	*14090	12680	*9880	9520	*7450	*7450	(30.3)
1.5 m (4.9 ft)	kg					*11960	11780	*8680	7680	*7090	5540	*4900	4220	*3620	*3620	9.22
	lb					*26370	25970	*19140	16930	*15630	12210	*10800	9300	*7980	*7980	(30.3)
0.0 m (0.0 ft)	kg			*7780	*7780	*13360	11330	*9630	7400	*7650	5390			*4040	*4040	8.97
	lb			*17150	*17150	*29450	24980	*21230	16310	*16870	11880			*8910	*8910	(29.4)
-1.5 m (-4.9 ft)	kg	*7360	*7360	*11550	*11550	*13780	11170	*10060	7270	*7880	5310			*4770	4530	8.44
	lb	*16230	*16230	*25460	*25460	*30380	24630	*22180	16030	*17370	11710			*10520	9990	(27.7)
-3.0 m (-9.8 ft)	kg	*11530	*11530	*17020	*17020	*13290	11230	*9800	7280	*7090	5370			*6160	5300	7.58
	lb	*25420	*25420	*37520	*37520	*29300	24760	*21610	16050	*15630	11840			*13580	11680	(24.9)
-4.5 m (-14.8 ft)	kg			*16600	*16600	*11550	11480	*8270	7500					*7760	7110	6.24
	lb			*36600	*36600	*25460	25310	*18230	16530					*17110	15670	(20.5)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.
Lifting capacities will vary with different work tools ground conditions and attachments.
The difference between the weight of a work tool attachment must be subtracted.
Consult your HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.
Failure to comply to the rated load can cause possible personal injury or property damage.
Make adjustments to the rated load as necessory for non-standard configurations.

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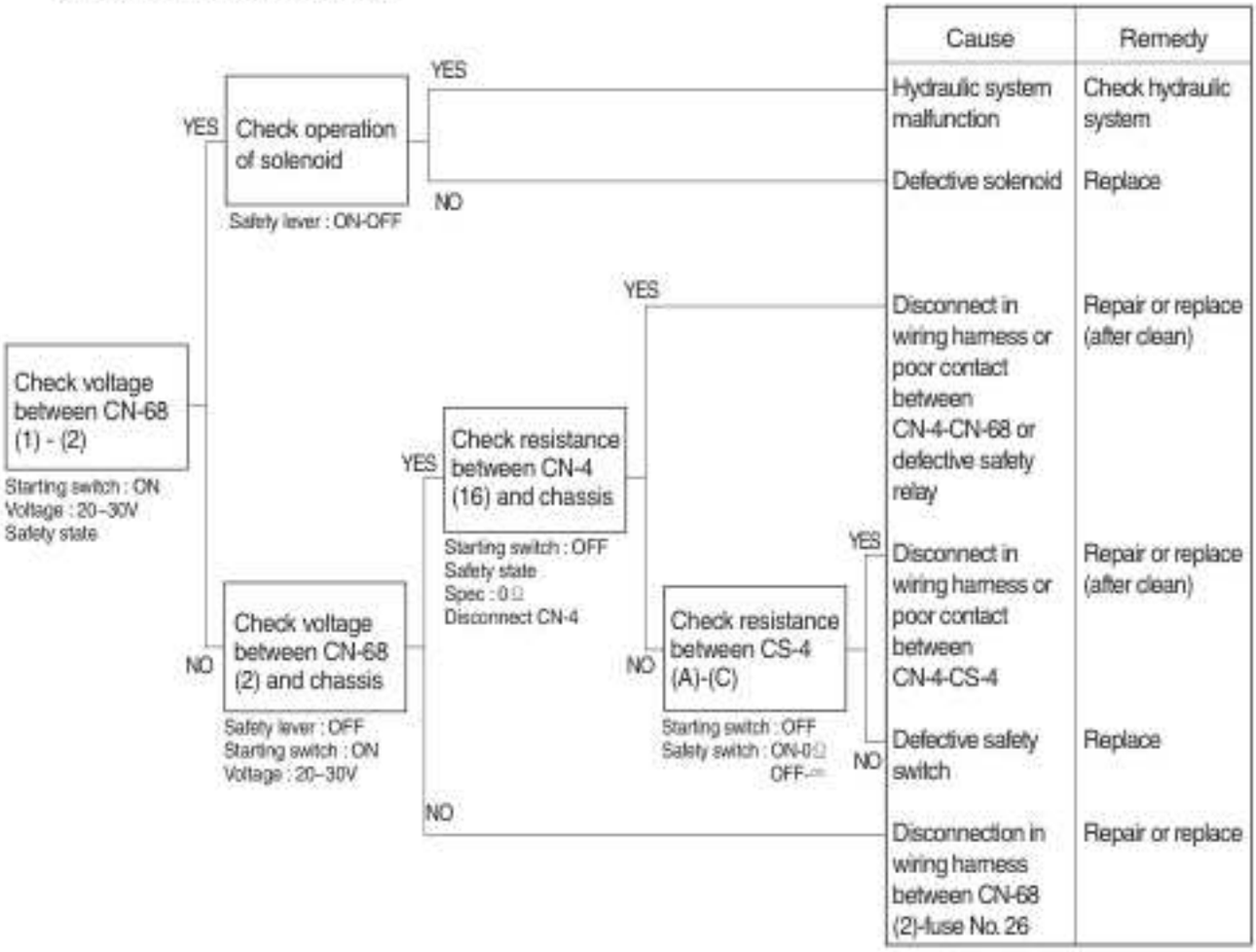
Fault code J1939 SPN J1939 FMI	Item	Description
6498 51 4	Engine intake throttle actuator position sensor circuit	Voltage above normal, or shorted to low source
6499 3597 17	ECU power output supply voltage 1	Data valid but below normal operating range - moderately severe level
6511 6655 3	Maintain ECM power lamp	Voltage above normal, or shorted to high source
6512 6655 4	Maintain ECM power lamp	Voltage below normal, or shorted to low source
6522 111 3	Coolant level sensor 1 circuit	Voltage above normal, or shorted to high source
6523 111 4	Coolant level sensor 1 circuit	Voltage below normal, or shorted to low source
6526 1761 13	Aftertreatment 1 diesel exhaust fluid tank level sensor	Out of calibration
6531 4340 3	Aftertreatment 1 diesel exhaust fluid line heater 1 circuit	Voltage above normal, or shorted to high source
6532 4340 4	Aftertreatment 1 diesel exhaust fluid line heater 1 circuit	Voltage below normal, or shorted to low source
6533 4342 3	Aftertreatment 1 diesel exhaust fluid line heater 2 circuit	Voltage above normal, or shorted to high source
6534 4342 4	Aftertreatment 1 diesel exhaust fluid line heater 2 circuit	Voltage below normal, or shorted to low source
6535 4344 3	Aftertreatment diesel exhaust fluid line heater 3 circuit	Voltage above normal, or shorted to high source
6536 4344 4	Aftertreatment diesel exhaust fluid line heater 3 circuit	Voltage below normal, or shorted to low source
6556 729 3	Engine intake air heater 1 circuit	Voltage above normal, or shorted to high source
6557 729 4	Engine intake air heater 1 circuit	Voltage below normal, or shorted to low source
6563 976 2	Auxiliary intermediate (PTO) speed switch validation	Data erratic, intermittent or incorrect

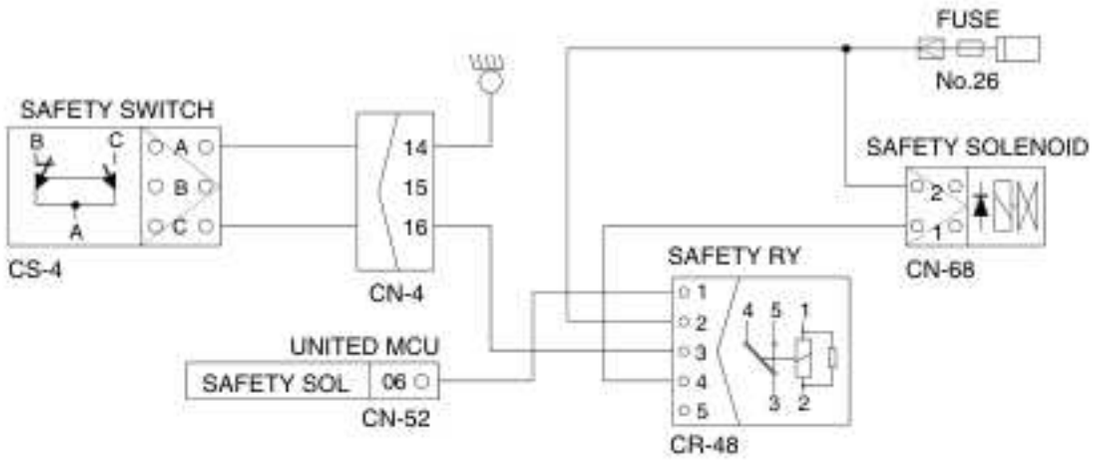
※ Some fault codes are not applied to this machine.

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10. WHEN SAFETY SOLENOID DOES NOT OPERATE

- Before disconnecting the connector, always turn the starting switch OFF.
- Before carrying out below procedure, check all the related connectors are properly inserted and short of fuse No. 26.
- After checking, insert the disconnected connectors again immediately unless otherwise specified.
- Auto safety lock function execution condition : When the RCV pilot pressure increases above certain pressure within the standard time after changing the safety knob LOCK → UNLOCK
- Under the above conditions, the electric current is turned off to the safety solenoid, and the function of RCV and pedal is disabled.





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3) ASSEMBLING PINION GEAR SUB ASSY

(1) Prepare drive shaft pinion gear vertical with ground.

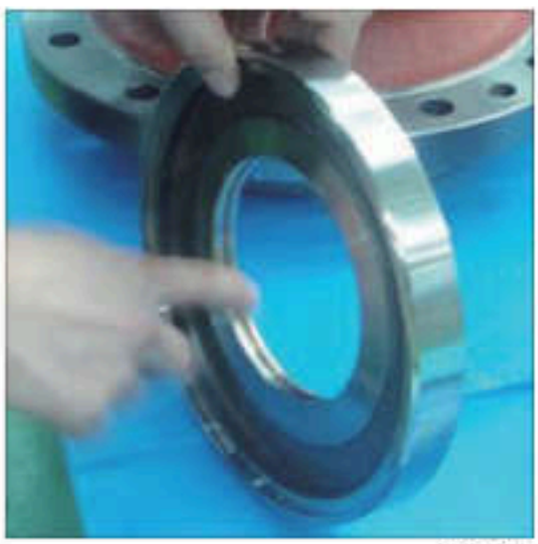


2209A03M21

(2) Fully apply grease (albania EP02) to O-ring groove of sleeve.

※ Be sure to maintain it vertical with ground when assembling it.

(3) Put O-ring into O-ring groove of sleeve. Fully apply grease on O-ring.



2209A03M22

(4) Assemble taper bearing and sleeve into drive shaft using press jig.
Use special jig for pressing. Leave no space between sleeve and taper bearing.



2209A03M23

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3) DISASSEMBLY

The figure in ( ) shown after the part name in the explanation sentence shows its number in the structure figures (8-34~37).

(1) Place control valve on working bench.

※ Disassemble it in clean place and pay attention not to damage flange faces and plate faces.



(2) Disassembling of main spools

· Travel (301), bucket (304), swing (305), option (309), arm 2 (306), boom 2 (307), swing priority (311).

① Loosen the hexagon the socket head screw (273) and remove the spring cover (201, 202) and the O-ring (261).

· Hexagon key wrench : 6 mm



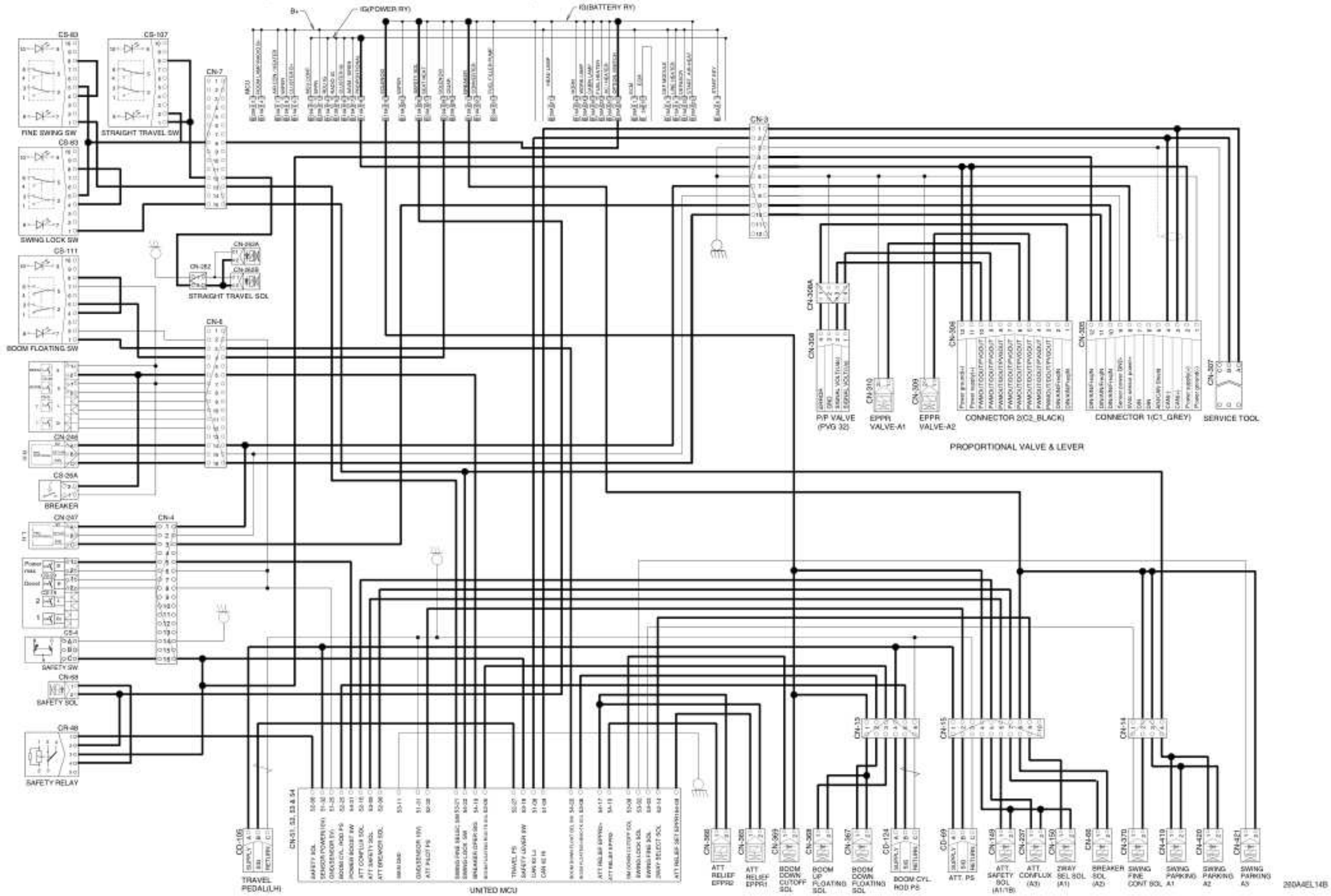
② Pull out the spool, spring, spring seats (331 or 332), stopper (335 or 339) and spacer bolt (336) in the spool assembly condition from the casing.

※ When pulling out the spool assembly from casing, pay attention not to damage the casing.



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ELECTRIC CIRCUIT FOR HYDRAULIC (2/2, MACHINE SERIAL NO. : #0003-#0041)



※ The circuit diagram may differ from the equipment, so please check before a repair.

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