WHEEL LOADER

SERVICE MANUAL

HL760-9AW

HYUNDAI

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4. SPECIFICATION FOR MAJOR COMPONENTS

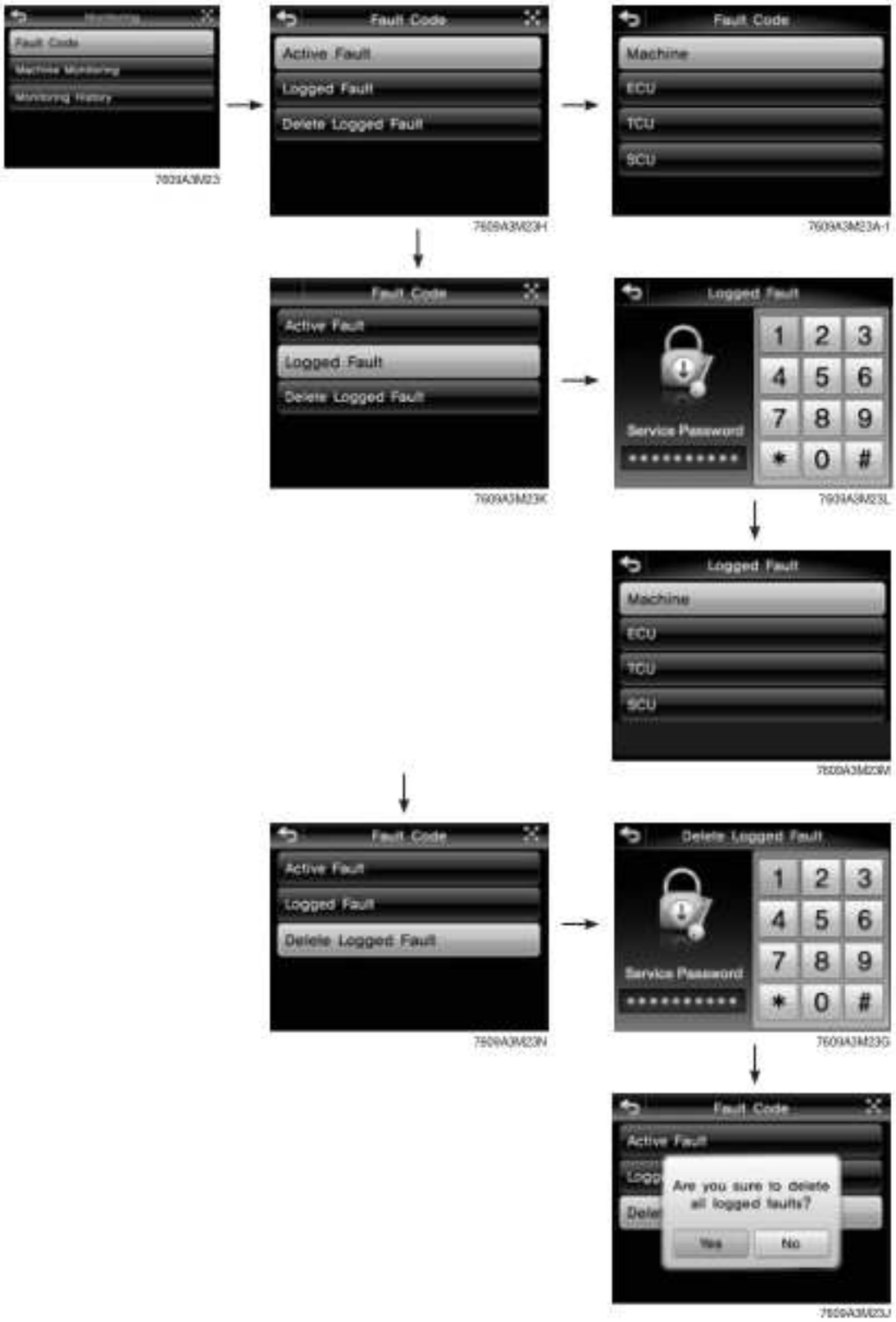
1) ENGINE

Item	Specification
Model	Cummins QSB6.7
Type	4-cycle turbocharged, charge air cooled diesel engine
Control type	Electronic control
Cooling method	Water cooling
Number of cylinders and arrangement	6 cylinders, in-line
Firing order	1-5-3-6-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	107 × 124 mm (4.2" × 4.9")
Piston displacement	6730 cc (410cu in)
Compression ratio	17.3 : 1
Rated horse power (Net)	222 hp at 2100 rpm
Maximum torque (1500 rpm)	97 kgf · m (700 lbf · ft)
Engine oil quantity	18 ℓ (4.8 U.S. gal)
Wet weight	614 kg (1354 lb)
High idling speed	2230 ± 50 rpm
Low idling speed	800 ± 25 rpm
Rated fuel consumption (at rated)	216 g/kW · hr
Starting motor	Denso PA90L (24V-7.8kW)
Alternator	Delco Remy 24SI (24V-70Amp)
Battery	2 × 12V × 160Ah (20 hr)

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(3) Monitoring

① Fault code



- Monitor the fault code of the Machine / ECU / TCU / SCU.

※ Not define will be indicated in case of that there's no fault.

※ SCU (opt) : Only for SCU (Steering Control Unit) equipped machine.

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GROUP 5 CONNECTORS

1. CONNECTOR DESTINATION

Connector number	Type	No. of pin	Destination	Connector part No.	
				Female	Male
CN-4	DEUTSCH	60	I/conn (Dashboard harness-Main harness)	DRB16-60SBE-L018	DRB12-60PBE-L018
CN-5	DEUTSCH	48	I/conn (Frame harness-Main harness)	DRB16-48SAE-L018	DRB12-48PAE-L018
CN-6	DEUTSCH	60	I/conn (Frame harness-Main harness)	DRB16-60SBE-L018	DRB12-60PBE-L018
CN-7	AMP	15	I/conn (Main harness-Cab harness)	2-85262-1	368301-1
CN-9	AMP	12	I/conn (Cab harness-Main harness)	2-85262-1	368301-1
CN-10	DEUTSCH	24	I/conn (Frame harness-Front harness)	HD34-24-23PE	HD36-24-23SE
CN-11	DEUTSCH	8	I/conn (Main harness-Aircon harness)	DT06-8S	DT04-8P
CN-12	AMP	15	I/conn (Frame harness-Bottom harness)	2-85262-1	368301-1
CN-13	DEUTSCH	12	I/conn (Frame harness-Engine harness)	DT06-12S	DT04-12P
CN-14	DEUTSCH	12	I/conn (Frame harness-Grill harness)	DT06-12S	DT04-12P
CN-19	Econoseal J	6	I/conn (Emer steer harness-Frame harness)	S816-006002	S816-106602
CN-20	Molex	2	Horn	36825-0211	-
CN-21	AMP	6	Front wiper motor	936257-1	-
CN-22	KET	2	Front washer tank	MG640605	-
CN-23	KET	2	Speaker (LH)	7123-1520	-
CN-24	KET	2	Speaker (RH)	7123-1520	-
CN-25	Molex	2	Horn	36825-0211	-
CN-26	250	2	Warning buzzer	S810-002202	-
CN-27	MK II	16	Radio and USB player	PK145-16017	-
CN-28	NMWP	1	Aircon compressor	PB625-01027	-
CN-29	KET	2	Receiver drier	MG640795	-
CN-36	-	129	Fuse box	21Q7-10910	-
CN-43	AMP	2	Lock-up	282028	282104-1
CN-45	Ring term	-	Starter	R14-12	ST 710246-2
CN-56	AMP	20	Cluster	174047-2	-
CN-57	AMP	20	Monitor	174047-2	-
CN-58A	DEUTSCH	40	MCU	DRC26-40-SA	-
CN-58B	DEUTSCH	40	MCU	DRC26-40-SB	-
CN-60	58	2	Fusible link	-	S813-130200
CN-64	MOLEX	4	Smart key	39012040	-
CN-65	DEUTSCH	2	Back up buzzer	DT06-2S	-
CN-71	DEUTSCH	2	Parking solenoid	DT06-2S-EP06	-

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5) DISASSEMBLY AND ASSEMBLY

(1) Spool

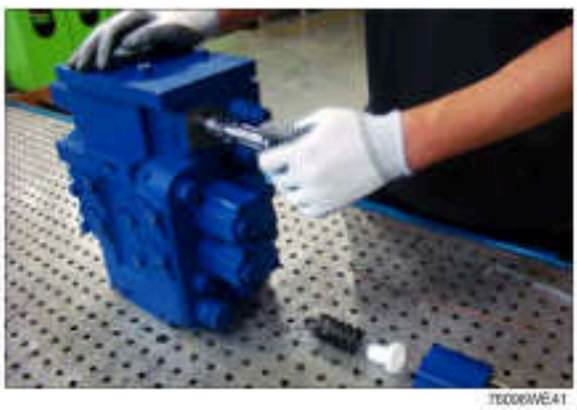
① Loosen the bolt (2EA).

- Tool : Wrench 5 mm
- Tightening torque : 0.85 kgf · m (6.1 lbf · ft)



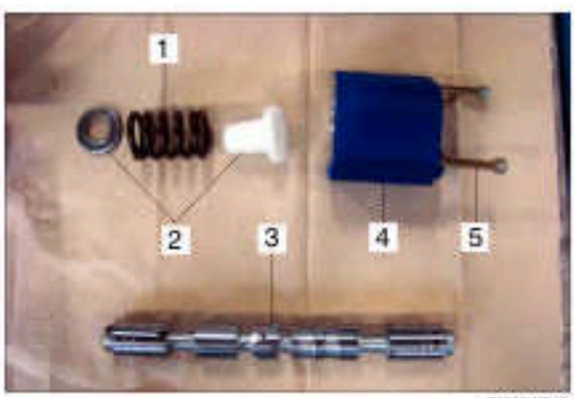
T609KWE40

② Remove the cover, spring retainer, spring and spool.



T609KWE41

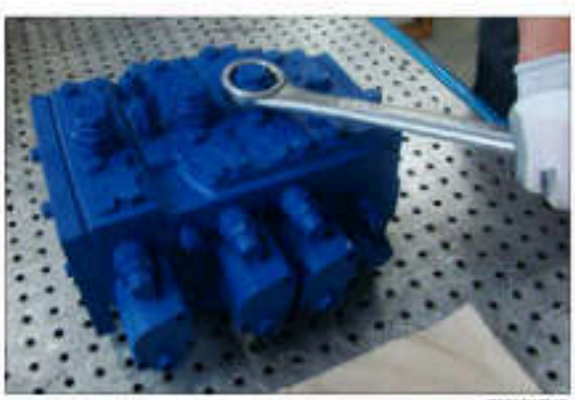
1 Spring
2 Spring ratainer
3 Spool
4 Cover
5 Bolt



T609KWE42

(2) Compensator valve

- Tool : Spanner 42 mm



T609KWE43

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⑤ Rear camera



- Reverse mode
  - If transmission engages the reverse gear (R1~R3), the camera mode is displayed automatically in main display.
- Active camera
  - Three cameras can be installed on the machine.
- Display order
  - Set the channel sequence of each camera.

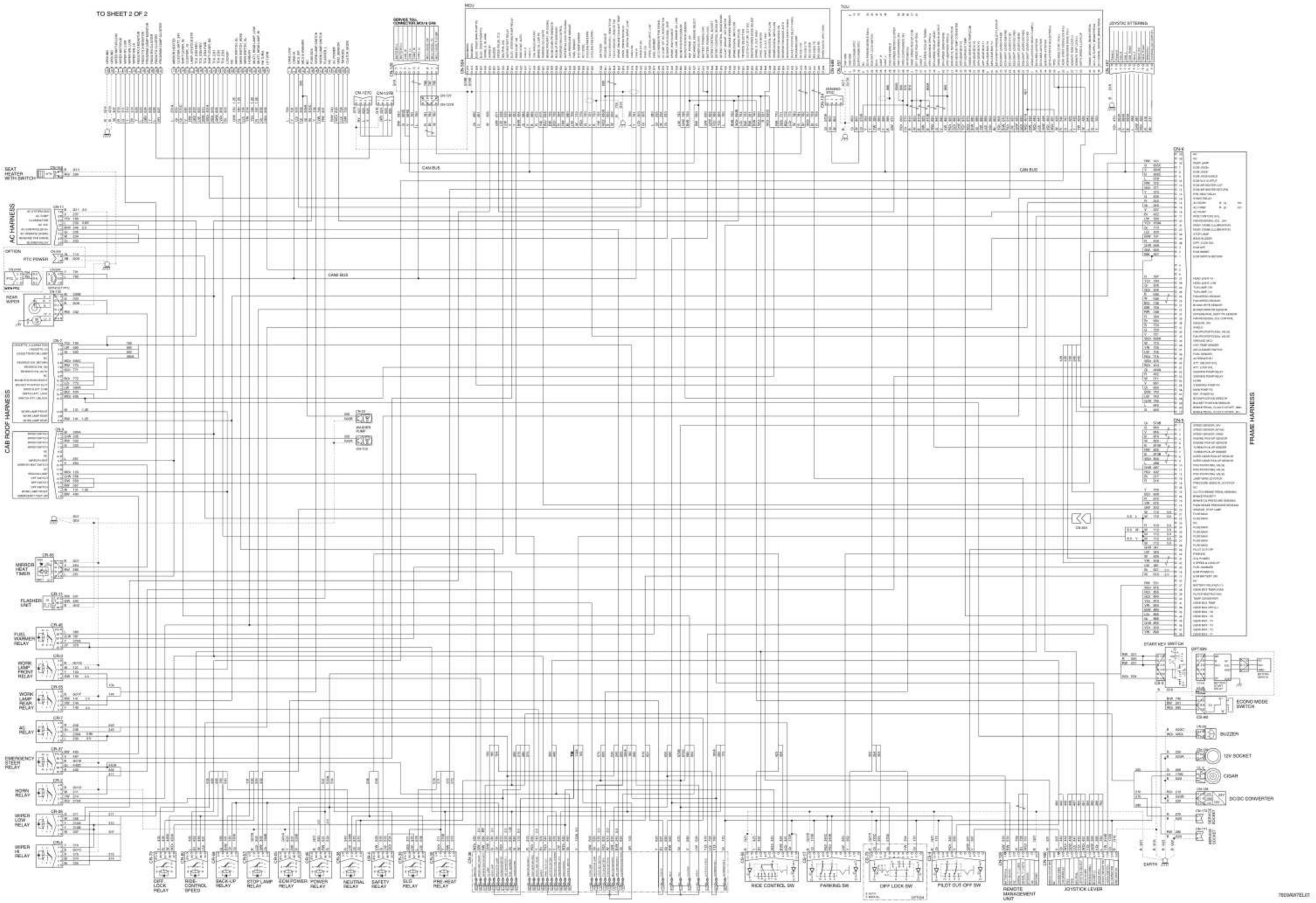
- If the camera was not equipped, this menu is not useful.
- In main display, if the ▣/**ESC** button is pushed, the first ordered display camera will be viewed.

⑥ Language



- User can select preferable language and all display are changed the selected language.
- 12 multi-language available.

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