SEN00486-16

Shop Manual

DUMP TRUCK

HD325-7
HD405-7

SERIAL NUMBERS

HD325- 7001-7025
HD325-7101 and up
HD405- 3001-3035
HD405-7101 and up

ecot3

KOMATSU®

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4) Data of intergrated load weight and total number of cycles

★ The integrated load weight and total number of cycles after a time are calculated and saved again each time the dumping condition is fulfilled.

★ Integration of the load weight and total number of cycles are started after they are cleared. (See the volume of Operation.)

★ The saving limit of the integrated load weight and total number of cycles is 999900.0 t (metric ton) or US ton (short ton) and 9999 cycles.

Item	Unit	Range	
Intergrated load weight	t (Metric ton) or US ton (Short ton)	0-999900.0	Shows integrated value after time when data were cleared
Total number of cycles	Times	0-9999	
Year (right 2 digits)	Year	0-99	Shows date and time when data were cleared
Month	Month	1-12	
Day	Day	1-31	
Time Hour	Hour	Displayed as 0-23	
Time Minute	Minute	0-59	

5) Other data

Contents	Item	Unit	Range	
Operator check mode set data	Machine ID	Integer	0-200	Operator check mode set by input operation
	Open ID	Integer	0-200	
	Limit speed	km/h	0-99	
	Option code	Integer	0-11	
Calibration performance data	Year (right 2 digits)	Year	0-99	Date and time when calibration was performed
	Month	Month	1-12	
	Day	Day	1-31	
	Time Hour	Hour	Displayed as 0-23	
	Time Minute	Minute	0-59	
User write data	Data 1		20 Characters	Comments that can be written freely into payload meter. Note: Input and settings are possible only from PC through cable communications. (For details, see software manual.)
	Data 2		20 Characters	
	Data 3		20 Characters	
	Data 4		20 Characters	

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Failure code [2G42ZG] (Front accumulator: Lowering of oil pressure)

Action code	Failure code	Trouble	Front accumulator: Lowering of oil pressure (Retarder controller system)
E03	2G42ZG		
Contents of trouble	• The signal of the front accumulator oil pressure sensor lowers below 12.7 MPa {130 kg/cm²} while the engine is running (continuously for more than 30 seconds).		
Action of controller	• None in particular.		
Problem that appears on machine	• If the machine is used without repairing, the front brake may not work.		
Related information	• This failure can be checked in the monitoring function (Code: **35500, 35504**)		

		Cause	Standard value in normal state/Remarks on troubleshooting
Possible causes and standard value in normal state	1	Lowering of front accumulator (brake) oil pressure	• The front accumulator (brake) oil pressure is normal. ★ If the oil pressure is not normal, perform troubleshooting for hydraulic/mechanical system.
	2	Retarder controller defective	• If the front accumulator (brake) oil pressure is normal, the retarder controller is defective.

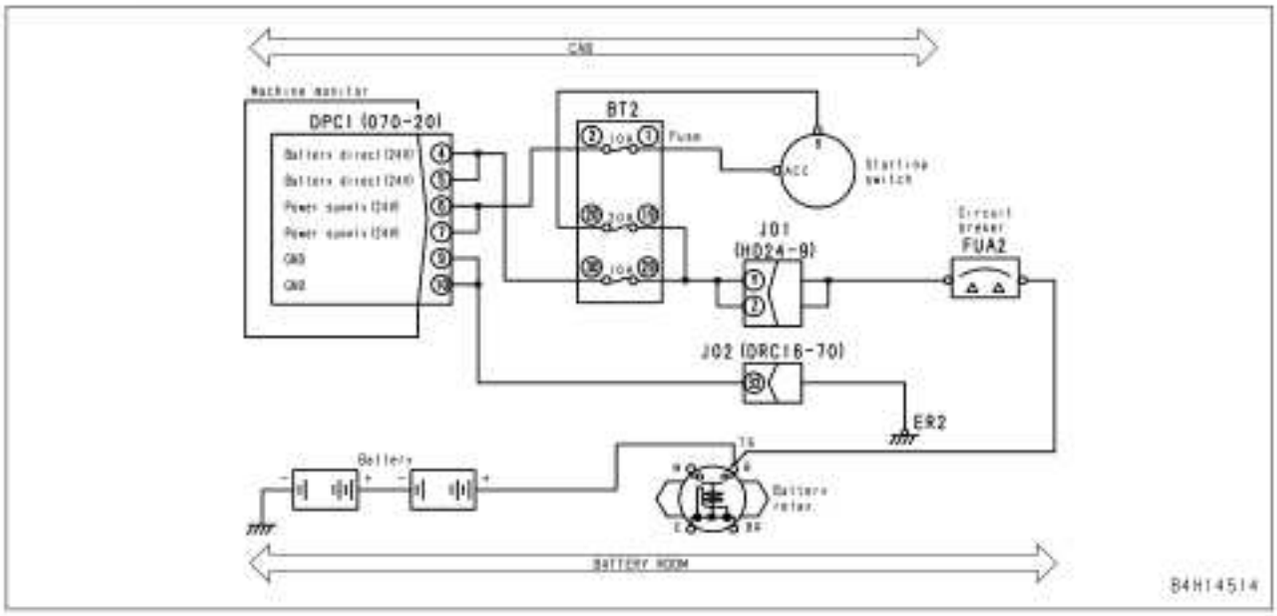
Failure code [2G43ZG] (Rear accumulator: Lowering of oil pressure)

Action code	Failure code	Trouble	Rear accumulator: Lowering of oil pressure (Retarder controller system)
E03	2G43ZG		
Contents of trouble	• The signal of the rear accumulator oil pressure sensor lowers below 8.83 MPa {90 kg/cm²} while the engine is running (continuously for more than 30 seconds).		
Action of controller	• None in particular.		
Problem that appears on machine	• If the machine is used without repairing, the rear brake may not work.		
Related information	• This failure can be checked in the monitoring function (Code: **35501, 35505**)		

		Cause	Standard value in normal state/Remarks on troubleshooting
Possible causes and standard value in normal state	1	Lowering of rear accumulator (brake) oil pressure	• The rear accumulator (brake) oil pressure is normal. ★ If the oil pressure is not normal, perform troubleshooting for hydraulic/mechanical system.
	2	Retarder controller defective	• If the rear accumulator (brake) oil pressure is normal, the retarder controller is defective.

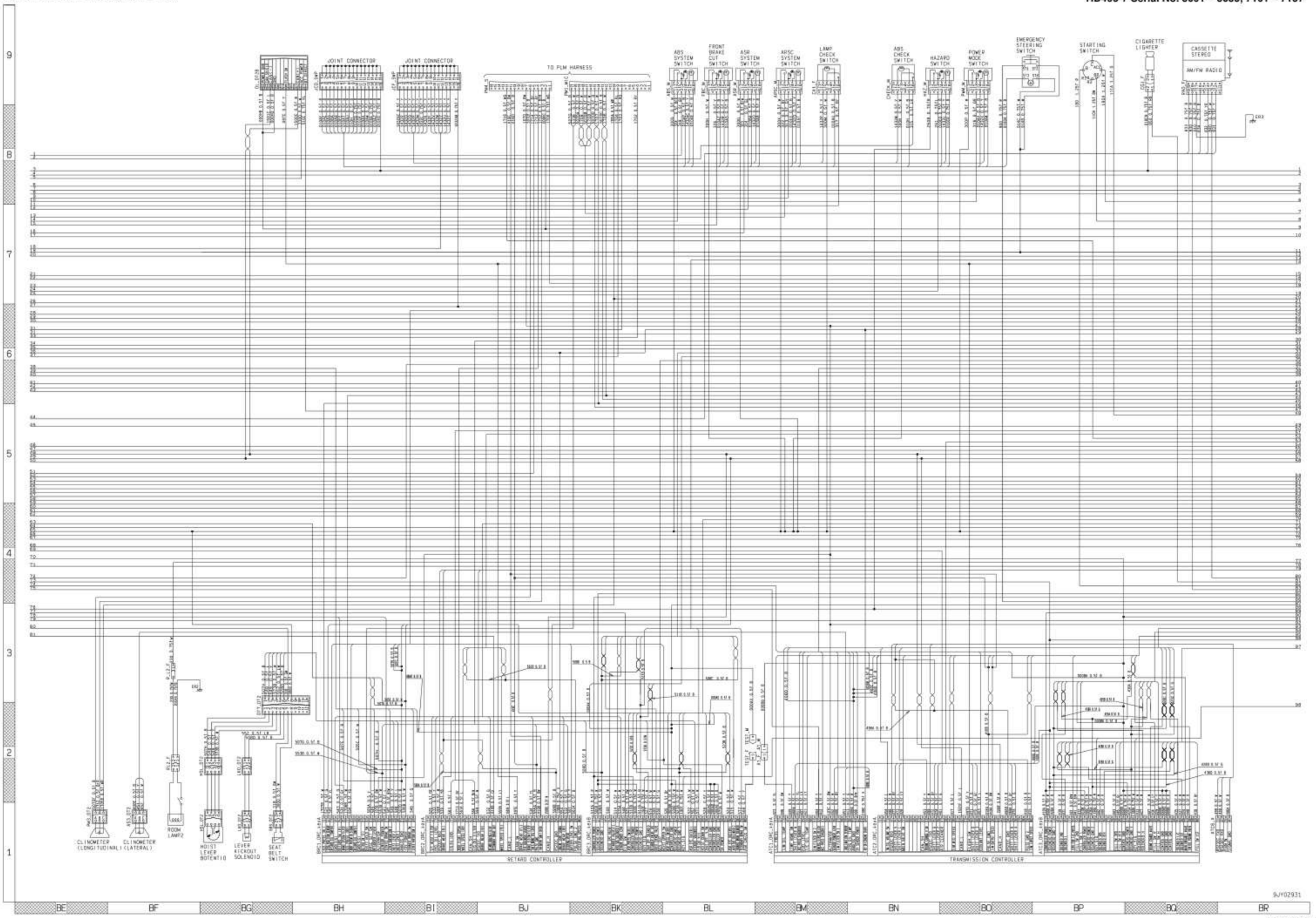
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Circuit diagram related



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Electrical circuit diagram for inside cab (2/5)
HD325-7 Serial No. 7001 – 7025, 7101 – 7161
HD405-7 Serial No. 3001 – 3035, 7101 – 7157



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