SEN00203-18

Shop Manual

BULLDOZER

D475A -5E0
D475ASD -5E0

SERIAL NUMBERS D475A- 30001 and up
D475ASD- 30001

KOMATSU®

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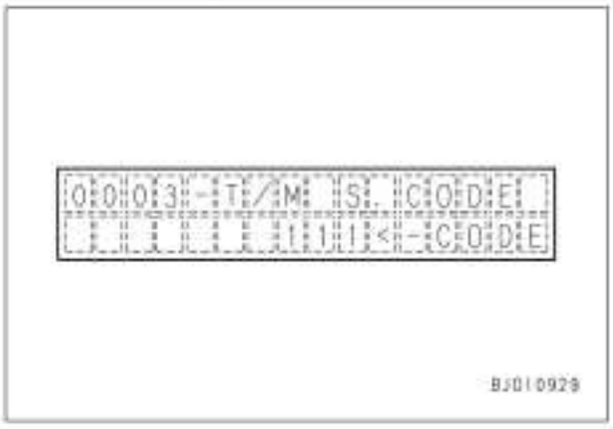
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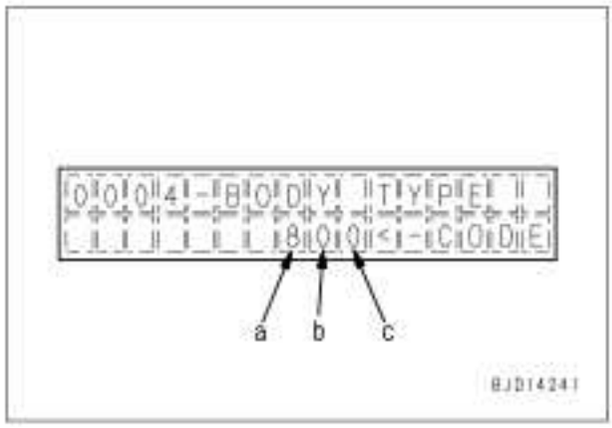
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[3] **0003**: Transmission controller specification set
- This code is used to initialize the specification codes recognized by the transmission controller and the set values of the memory in the controller.
- The specification code is displayed on the lower line.
- Adjustment method:
  1) Set buzzer cancel switch (4) in the [◇] position and check that the alarm buzzer sounds.
  2) Check that the displayed specification code has changed from [1*1] to [111].
     - ★ If specification code [111] is not displayed, the controller wiring harness or the controller unit may be defective.
     - ★ Even if this code is turned off, the setting is effective.



[4] **0004**: Machine specification code setting
- This code is used to have the machine specification recognized by the controllers which compose the system.
- The specification of the work equipment, SSC and travel lever are set with this code.
- Adjustment method
- ★ Since setting of this code is reset when "Transmission controller specification setting" is executed, adjust it after that.
  1) Select code **0004** in the adjustment mode.
     (a): Indicates specification of travel lever (1st place)
     (b): Indicates specification of work equipment (2nd place)
     (c): Indicates specification of SSC (3rd place)



  2) Each time shift-down switch (7) is pressed, display of the 1st place changes. Select a proper specification (standard specification or optional specification) of the travel lever.
  3) Each time shift-up switch (6) is pressed, display of the 2nd place and 3rd place changes. Select proper specifications of the work equipment and SSC.
     - ★ If the SSC is installed to the machine, be sure to select Power setting 1.

No.	Type of work equipment	Specification
800	Single tilt	
801	Single tilt	SSC power set 1
802	Single tilt	SSC power set 2
810	Dual tilt	
811	Dual tilt	SSC power set 1
812	Dual tilt	SSC power set 2
820	Superdozer	

- ★ Number "8" at the leftmost place of the machine specification code indicates the travel lever type.
- ★ If the optional-type travel lever is employed, set "9" at the above place.

  4) Set buzzer cancel switch (4) in the [◇] position to save the machine specification.
     - ★ When the buzzer cancel switch is operated, the alarm buzzer sounds.
     - ⚠ **If the actual machine specification is different from the setting in the controller, the machine may move unexpectedly or an error may be made. Accordingly, be sure to set the machine specification correctly.**
- ★ Even if this code is turned OFF, the setting is effective.

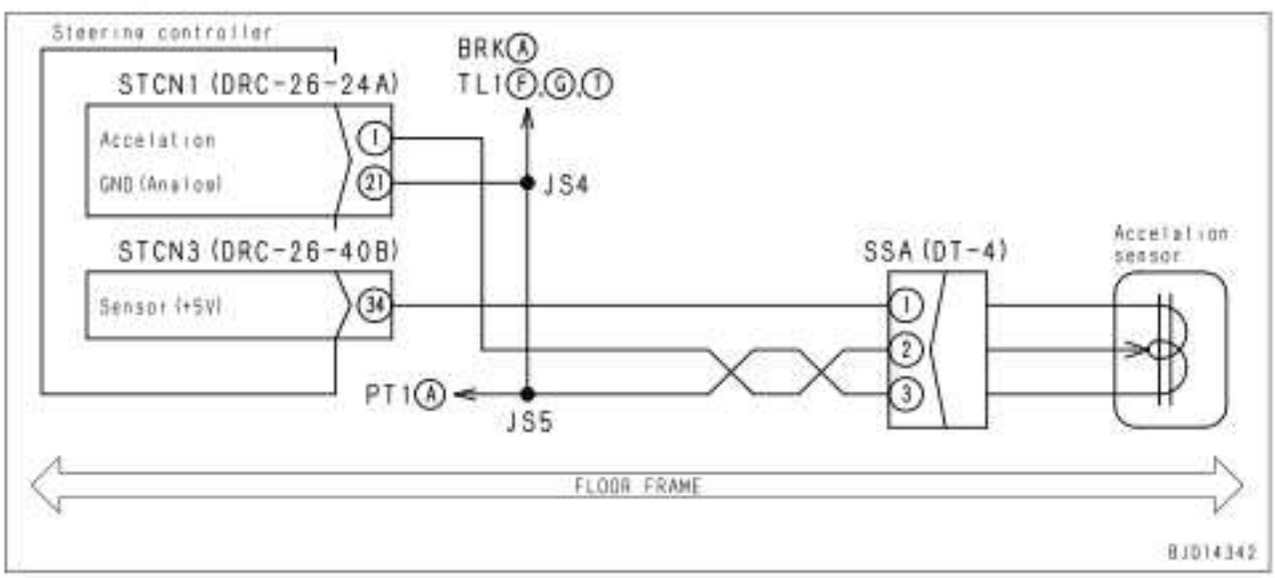
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Failure code [DK60KB] Acceleration sensor: Short circuit

Action code	Failure code	Symptom of failure	Acceleration sensor: Short circuit (Steering controller system)
E01	**DK60KB**		
Failure content	• Acceleration sensor signal voltage is above 4.5 V.		
Controller's action	• Stops shoe slip control (SSC) function.		
Symptoms that appear on machine	• Engine speed does not change even if shoe slips.		
General information	• Input state (Voltage) from acceleration sensor can be checked in monitoring mode (Code 60200: Acceleration sensor voltage). • Method of reproducing failure code: Turn starting switch ON.		

	Cause		Standard values when normal and remarks for troubleshooting		
Possible causes and the standard values when normal	1	Defective 5V power supply system	If failure code [**DB37KK**] is displayed, carry out troubleshooting for it first.		
	2	Defective acceleration sensor (Internal defect)	★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.		
			SSA	Voltage	
			Between (2) – (3)	0.75 – 4.25 V	
	3	Hot short (Contact with 24V circuit) in wiring harness	★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.		
			Wiring harness between STCN1 (female) (1) – SSA (female) (2)	Voltage	Max. 1 V
			Wiring harness between STCN3 (female) (34) – SSA (female) (1)	Voltage	Max. 1 V
			Wiring harness between STCN1 (female) (21) – SSA (female) (3)	Voltage	Max. 1 V
	4	Disconnection in wiring harness (Disconnection in wiring or defective contact in connector)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
			Wiring harness between STCN1 (female) (21) – SSA (female) (3)	Resistance	Max. 1 Ω
	5	Defective steering controller	Steering controller can be suspected to be defective if no problem is found in causes 1 – 4 (since this is an internal defect, it cannot be diagnosed).		

Circuit diagram related to acceleration sensor



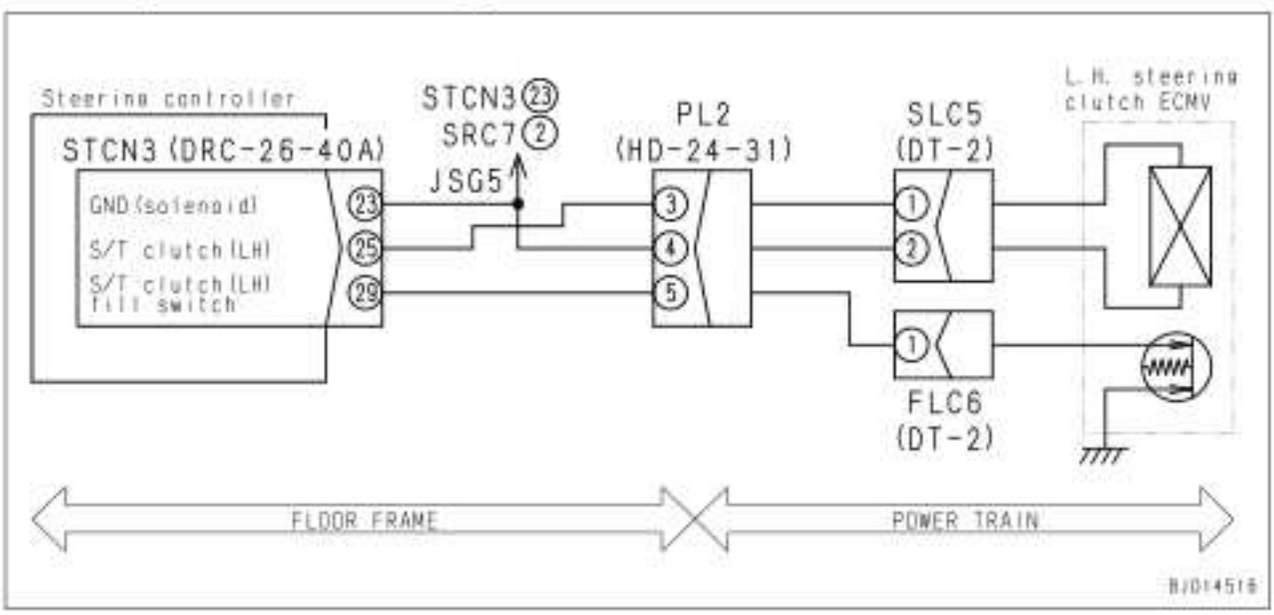
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Failure code [DXHAKY] Left steering clutch ECMV: Hot short

Action code	Failure code	Symptom of failure	Left steering clutch ECMV: Hot short (Steering controller system)
CALL E04	**DXHAKY**		
Failure content	• Current keeps flowing to left steering clutch solenoid circuit.		
Controller's action	• Flashes caution lamp and turns on caution buzzer. • Stops outputting to left steering clutch solenoid circuit. • Limits operation of engine and transmission.		
Symptoms that appear on machine	• Machine cannot be steered to left. • Once machine is stopped, engine speed is limited to medium (half). • Once machine is stopped, machine cannot travel any more.		
General information	• Outputting to left steering clutch solenoid (Current) can be checked in monitoring mode. (Code 90600, 90602: Left steering clutch ECMV (E-POCV) output current, command current) • Method of reproducing failure code: Turn starting switch ON, release parking brake, and operate PCCS lever (to steer to left).		

Possible causes and the standard values when normal		Cause	Standard values when normal and remarks for troubleshooting		
	1	Defective left steering clutch solenoid (Internal short circuit)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
			SLC5 (male)	Resistance	
			Between (1) – (2)	5 – 15 Ω	
	2	Hot short in wiring harness (Contact with 24 V circuit)	★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.		
			Short circuit of wiring harness between STCN3 (female) (25) – SLC5 (female) (1) with chassis ground	Voltage	Max. 1 V
	3	Defective steering controller	Steering controller can be suspected to be defective if no problem is found in causes 1 – 2 (Since this is an internal defect, it cannot be diagnosed).		

Circuit diagram related to left steering clutch ECMV



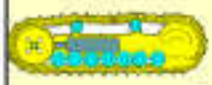
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UNDERCARRIAGE TROUBLESHOOTING REPORT (NORMAL)

(Program form No.: SELA195001)

KUC

Komatsu
Undercarriage Inspection



Customer name:

Address:

Model	D475A, ASD-5E0	Serial#	30001	Equip#		Work Order No	
Location		SMR				Wet,AR,HD or Dry	WET
Soil condition		Dealer				Shoe width (mm)	
Working condition		Inspector				Shoe type	SINGLE
		Insp.Date(yyyy/mm/dd)			(yyyy/mm/dd)	Wear type	NORMAL

			New	100% Wear	Measured mm	Wear %	SMR New	SMR Rebuilt	Hours on Parts:	Comments/Observation
LINK PITCH	R	LH	1271.0	1283.0						
		RH	1271.0	1283.0						
	M	LH	317.80	320.80						
		RH	317.80	320.80						
LINK HEIGHT		LH	169.0	161.0						
		RH	169.0	161.0						
BUSHING		LH	116.0	107.5			New	Turned		
		RH	116.0	107.5			New	Turned		
GROUSER HIGHT		LH	105.0	35.0						
		RH	105.0	35.0						
CARRIER	Front	LH	240.0	215.0						
		RH	240.0	215.0						
	Rear	LH	240.0	215.0						
		RH	240.0	215.0						
IDLER	Front	LH	26.5	42.0						
		RH	26.5	42.0						
	Rear	LH	26.5	42.0						
		RH	26.5	42.0						
TRACK ROLLER	1	LH	315.0	240.0						
	2	LH	300.0	246.0						
	3	LH	300.0	246.0						
	4	LH	300.0	246.0						
	5	LH	300.0	246.0						
	6	LH	300.0	246.0						
	7	LH	300.0	246.0						
	8	LH	315.0	240.0						
	9	LH	300.0	230.0						
	10	LH	300.0	230.0						
D=2(h1 - h2)	1	RH	315.0	240.0						
	2	RH	300.0	246.0						
	3	RH	300.0	246.0						
	4	RH	300.0	246.0						
	5	RH	300.0	246.0						
	6	RH	300.0	246.0						
	7	RH	300.0	246.0						
	8	RH	315.0	240.0						
	9	RH	300.0	230.0						
	10	RH	300.0	230.0						
SPROCKET		LH	0.0	0.0						
		RH	0.0	0.0						

Remarks:

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Connector arrangement diagram D475A, D475ASD-5E0

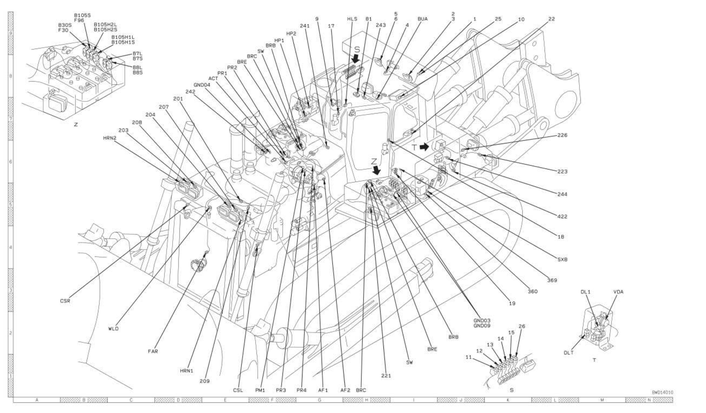
Connector No.	Model	Number of pins	Component name	Address of stereogram
1	Gboshi	1	Lamp outlet connector (Cab)	J-9
2	Terminal	1	Rear left speaker (Cab)	J-9
3	Terminal	1	Rear left speaker (Cab)	J-9
4	—	4	Rear wiper motor (Cab)	I-9
5	Terminal	1	Rear right speaker (Cab)	I-9
6	Terminal	1	Rear right speaker (Cab)	I-9
9	—	6	Front wiper motor (Cab)	G-9
10	—	9	Radio (Cab)	K-9
11	KES1	6	Left wiper switch (Cab)	J-1
12	KES1	6	Front wiper switch (Cab)	J-2
13	KES1	6	Right wiper switch (Cab)	K-2
14	KES1	6	Rear wiper switch (Cab)	K-2
15	M	2	Lamp connector	K-2
17	YAZAKI	4	Right door wiper motor (Cab)	G-9
18	YAZAKI	4	Left door wiper motor (Cab)	L-6
19	DT	4	Intermediate connector (Window washer)	K-3
20	DTHD8B	1	Cab power supply	Z-4
21	DTHD#12	1	Cab unswitched power supply	Z-3
22	Terminal	1	Cigarette lighter (Cab)	L-9
25	Gboshi	1	Rotary lamp outlet connector (Cab)	K-9
26	M	2	Rotary lamp switch (Cab)	K-2
81	—	2	Room lamp (Cab)	H-9
101	DT-B	12	Intermediate connector (Bulkhead wiring harness)	P-3
102	DT-A	12	Intermediate connector (Bulkhead wiring harness)	P-3
201	DT-B	12	Intermediate connector (Yoke angle sensor)	D-7
203	DT	2	Right headlamp	C-7
204	DT	2	Left headlamp	C-7
207	DT	2	Left headlamp	D-7
208	DT	2	Right headlamp	C-7
209	DT-A	12	Intermediate connector (Small hood)	E-1
217	DT	2	Caution buzzer	AE-6
221	DT	2	Left working lamp	H-1
223	DT	2	Ripper point lamp (if equipped)	L-6
226	DT	2	Left rear working lamp	L-7
241	DT-A	12	Intermediate connector (Right fender)	G-9, P-6
242	DT	2	Right working lamp	D-8
243	DT	2	Right rear working lamp	H-9
244	DT	2	Pin puller solenoid	L-5
250	Terminal	1	Starting switch (Terminal B)	AI-9
255	Terminal	1	Starting switch (Terminal R1)	AI-8
256	Terminal	1	Starting switch (Terminal R2)	AI-8
260	Terminal	1	Starting switch (Terminal BR)	AH-8
262	X	2	Intermediate connector (Horn switch)	S-9
263	X	2	Pin puller switch	U-9
265	Terminal	1	Horn switch	T-9
266	Terminal	1	Horn switch	T-9
270	Terminal	1	Starting switch (Terminal ACC)	AH-9
280	Terminal	1	Starting switch (Terminal C)	AI-9
360	DT	6	Washing tank motor	K-3
369	DT	6	Washing tank motor	L-3
422	DT	2	Fuel level gauge	L-5
453	DT	2	Torque converter oil temperature sensor	AZ-2
599	DT-A	12	Intermediate connector (Left fender)	Z-4
653	DT	2	Lockup solenoid	AX-5
800	Gboshi	1	Intermediate connector (Spare power supply 1)	AN-2
801	Gboshi	1	Intermediate connector (Spare power supply 2)	AN-2
810	Gboshi	1	Spare power supply 1	Z-5
811	Gboshi	1	Spare power supply 2	Z-5
1251	YAZAKI	2	Accessory socket	X-8
1252	YAZAKI	2	Accessory socket	X-8
12V	DT	3	Intermediate connector (Cab)	Z-3
AC	DT	2	Air conditioner compressor	AQ-7
AC1	DT-A	12	Intermediate connector (Air conditioner)	W-8
AC2	HD-24	31	Intermediate connector (Air conditioner)	Z-6
ACT	DT	2	Air conditioner external air sensor	E-8
ACT	Relay	5	ACC cut relay	AK-2
ACU	S	12	Air conditioner unit	Z-7
ADD	KES1	4	Additional heater switch	AI-6
AF1	DT	2	Air cleaner clogging sensor	G-1
AF2	DT	2	Air cleaner clogging sensor	H-1
ANB	Terminal	1	Alternator (Terminal B)	AQ-7
ANR	Terminal	1	Alternator (Terminal R)	AQ-7
AP1	AMP040	16	Air conditioner control panel	U-2
AP2	AMP040	20	Air conditioner control panel	U-2
AP3	SWP	12	Air conditioner unit	Y-7
AP4	SWP	16	Air conditioner unit	Z-7
AP5	SWP	8	Air conditioner unit	Y-7
ASD	KES1	4	Auto shift-down switch	AH-8
ASUS	DT	2	Intermediate connector (Air suspension seat)	U-9
B7L	—	1	Circuit breaker (30 A)	C-9
B7S	—	1	Circuit breaker (30 A)	C-8
B8L	—	1	Circuit breaker (30 A)	C-8
B8S	—	1	Circuit breaker (30 A)	C-8
B30S	—	1	Circuit breaker (30 A)	B-9
B150H1L	—	1	Circuit breaker (105 A)	C-9
B150H1S	—	1	Circuit breaker (105 A)	C-9
B150H2L	—	1	Circuit breaker (105 A)	B-9
B150H2S	—	1	Circuit breaker (105 A)	B-9
B155S	—	1	Circuit breaker (105 A)	B-9
BKA	Relay	5	Backup alarm relay	AK-2
BLD	DT	2	Blade lower oil pressure switch	Q-8
BLMT	YAZAKI	2	Air conditioner additional blower	X-8
BLSW	KES1	4	Additional blower motor switch	AI-6
BLU	DT	2	Blade raise oil pressure switch	Q-8
BRB	Terminal	1	Battery relay (Right) (Terminal B)	F-9
BRB	Terminal	1	Battery relay (Left) (Terminal B)	J-2
BRC	Terminal	1	Battery relay (Right) (Terminal M)	F-8
BRC	Terminal	1	Battery relay (Left) (Terminal M)	H-1

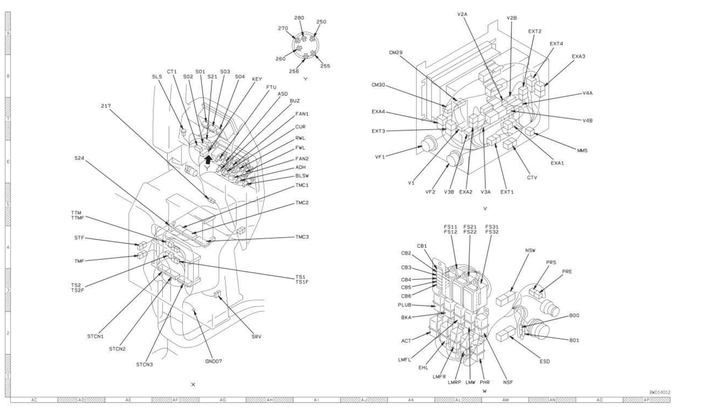
Connector No.	Model	Number of pins	Component name	Address of stereogram
BRE	Terminal	1	Battery relay (Right) (Terminal E)	E-8
BRE	Terminal	1	Battery relay (Left) (Terminal E)	I-2
BRK	DT	3	Brake potentiometer	U-2
BSW	HD-18	14	Intermediate connector (BULGA specification)	X-2
BUA	DT	2	Backup alarm	I-9
BUZ	KES-1	3	Buzzer switch	AH-7
CB1	Terminal	1	Circuit breaker (20 A) (Steering controller)	AK-4
CB2	Terminal	1	Circuit breaker (20 A) (Monitor panel)	AK-4
CB3	Terminal	1	Circuit breaker (20 A) (Transmission controller)	AK-4
CB4	Terminal	1	Circuit breaker (20 A) (Air conditioner)	AK-3
CB5	Terminal	1	Circuit breaker (20 A) (Headlamp)	AK-3
CB6	Terminal	1	Circuit breaker (20 A) (Starting switch terminal B)	AK-3
CM29	AMP070	10	ORBCOMM terminal	AK-9
CM30	AMP070	14	ORBCOMM terminal	AJ-8
CN1	DT	2	Injector #1 (Left bank)	AS-9
CN1	DT	2	Injector #1 (Right bank)	AQ-7
CN2	DT	2	Injector #2 (Left bank)	AV-4
CN2	DT	2	Injector #2 (Right bank)	AR-8
CN3	DT	2	Injector #3 (Left bank)	AV-5
CN3	DT	2	Injector #3 (Right bank)	AR-9
CN4	DT	2	Injector #4 (Left bank)	AV-5
CN4	DT	2	Injector #4 (Right bank)	AS-8
CN5	DT	2	Injector #5 (Left bank)	AV-6
CN5	DT	2	Injector #5 (Right bank)	AS-9
CN6	DT	2	Injector #6 (Left bank)	AV-6
CN6	DT	2	Injector #6 (Right bank)	AU-9
CONV	DT	6	Converter	X-8
CSL	DT	3	Left yoke angle sensor	E-1
CSR	DT	3	Right yoke angle sensor	B-3
CT1	DT-A	8	CAN terminal resistor	AF-8
CTV	DT	3	CAN terminal resistor	AN-6
CUR	KES-1	3	Cursor switch	AI-7
DEC	DT	3	Decelerator pedal	T-2
DIAL	M	3	Fuel control dial	W-9
DL1	BENDIX	6	Diode connector (ORBCOM specification)	M-3
DLT	DT	2	Download right (ORBCOM specification)	L-2
DPNL	DT	2	Diode	AX-8
DUL	DT	2	Dual tilt selector solenoid valve	R-8
EG1	DTP	4	Intermediate connector (Engine)	AQ-1
EG2	HD-24	23	Intermediate connector (Engine)	AV-7
EHL	Relay	5	Engine hold relay	AK-1
ENBP	DT	3	Blow-by pressure	AQ-3
ENG	DRC-60	60	Engine controller (Left bank)	AV-1
ENG	DRC-60	60	Engine controller (Right bank)	AU-2
ENGL	HD-18	21	Intermediate connector (Engine sensor)	AS-2
ESD	DT	3	Intermediate connector (Fuse box)	AN-1
EXA1	DT	3	Exhaust temperature sensor amplifier (Left 1)	AN-6
EXA2	DT	3	Exhaust temperature sensor amplifier (Left 2)	AL-5
EXA3	DT	3	Exhaust temperature sensor amplifier (Right 1)	AN-6
EXA4	DT	3	Exhaust temperature sensor amplifier (Right 2)	AJ-7
EXTLF	DT	2	Exhaust temperature sensor (Left front)	AU-9
EXTLR	DT	2	Exhaust temperature sensor (Left rear)	AT-9
EXTRF	DT	2	Exhaust temperature sensor (Right front)	AT-9
EXTRR	DT	2	Exhaust temperature sensor (Right rear)	AT-9
EXT1	DT	2	Exhaust temperature sensor amplifier (Left 1)	AM-5
EXT2	DT	2	Exhaust temperature sensor amplifier (Left 2)	AN-9
EXT3	DT	2	Exhaust temperature sensor amplifier (Right 1)	AJ-7
EXT4	DT	2	Exhaust temperature sensor amplifier (Right 2)	AN-9
F1T8	DT	2	1st clutch ECMV (Fill switch)	AV-6
F2T6	DT	2	2nd clutch ECMV (Fill switch)	AY-6
F3T4	DT	2	3rd clutch ECMV (Fill switch)	AZ-6
F30	—	1	Circuit breaker (30 A)	B-9
F56	—	1	Circuit breaker (105 A)	B-9
FA1	DT	2	Fun pump solenoid	AZ-2
FA2	DT	2	Fun pump solenoid	BA-3
FAN1	KES1	3	Fan clean mode switch	AI-7
FAN2	KES1	4	Fan reverse mode switch	AI-6
FAR	DT	2	Fan reverse solenoid	D-2
FD5	DT-B	12	Fuse wiring harness	W-1
FFT2	DT	2	Forward clutch ECMV (Fill switch)	AZ-6
FLB2	DT	2	Left brake ECMV (Fill switch)	BB-6
FLC6	DT	2	Left clutch ECMV (Fill switch)	BA-7
FR#4	DT	2	Right brake ECMV (Fill switch)	BA-6
FRC8	DT	2	Right clutch ECMV (Fill switch)	BA-7
FRT2	DT	2	Reverse clutch ECMV (Fill switch)	AY-6
FS11	—	—	Fuse box	AL-4
FS12	—	—	Fuse box	AL-4
FS21	—	—	Fuse box	AL-4
FS22	—	—	Fuse box	AL-4
FS31	—	—	Fuse box	AM-4
FS32	—	—	Fuse box	AM-4
FSB	HD-24	31	Intermediate connector (Fuse box)	W-1
FTJ1	KES-1	4	Auto pitch back switch	AH-6
FWL	KES-1	4	Front working lamp switch	AI-6
G	SUMITOMO	3	G sensor (Left bank)	AQ-3
G	SUMITOMO	3	G sensor (Right bank)	AQ-5
GND	Terminal	1	Ground (Engine)	AT-3
GND01	Terminal	1	Ground (Floor)	X-1
GND02	Terminal	1	Ground (Floor)	X-1
GND03	Terminal	1	Ground (Left fender)	J-2
GND04	Terminal	1	Ground (Right fender)	E-8
GND05	Terminal	1	Ground (Bulkhead)	P-3
GND06	Terminal	1	Ground (Heater relay)	AQ-2
GND07	Terminal	1	Ground (Floor)	AG-1
GND09	Terminal	1	Ground (Left fender)	J-2
GND1	Terminal	1	Ground (Engine)	AS-2
GND2	Terminal	1	Ground (Engine)	AS-2
GND3	Terminal	1	Ground (Engine)	AT-3

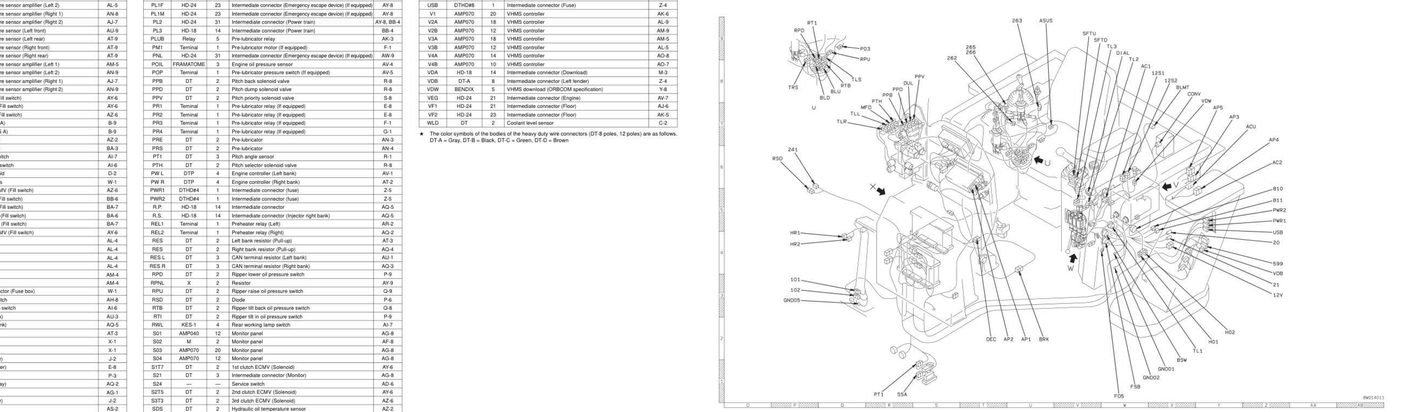
Connector No.	Model	Number of pins	Component name	Address of stereogram
GND4	Terminal	1	Ground (Engine)	AT-3
H01	Gboshi	1	Additional heater switch (If equipped)	Y-2
H02	Gboshi	1	Additional heater switch (If equipped)	Y-2
HLS	DT	2	Hydraulic oil level switch (If equipped)	H-9
HP1	DT	3	Work equipment pump oil pressure (F)	F-9
HP2	DT	3	Work equipment pump oil pressure (R)	F-9
HR1	DT-B	12	Intermediate connector (Hood)	P-4
HR2	DT-A	12	Intermediate connector (Hood)	P-4
HRN1	Terminal	1	Horn (415 Hz)	D-1
HRN2	Terminal	1	Horn (350 Hz)	C-7
HT1	Terminal	1	Electrical intake air heater (Left bank)	AV-6
HT2	Terminal	1	Electrical intake air heater (Right bank)	AR-8
HTR1A	Terminal	1	Preheater relay (Left)	AR-1
HTR1C	Terminal	1	Preheater relay (Left)	AR-1
HTR2A	Terminal	1	Preheater relay (Right)	AQ-1
HTR2C	Terminal	1	Preheater relay (Right)	AQ-2
J1939	DT-A	8	Intermediate connector	AU-2
KEY	DT	6	Starting switch	AH-8
L_P	HD-18	14	Intermediate connector (Injector left bank)	AS-2
L_S	HD-18	14	Intermediate connector (Injector left bank)	AS-2
LMFL	Relay	5	Front lamp relay (Left)	AK-1
LMFR	Relay	5	Front lamp relay (Right)	AJ-1
LMRP	Relay	5	Ripper point lamp relay	AL-1
LMW	Relay	5	Working lamp relay	AL-1
LSV	DT	2	Pump LS selector solenoid	AW-5
MFD	DT	2	Merge-divider solenoid valve	R-7
MMS	DT-C	12	Intermediate connector	AO-6
NE	SUMITOMO	3	Ne sensor	AV-8
NSF	Relay	5	Neutral safety relay	AM-1
NSW	DT	3	Parking brake switch	AM-4
OEM	HD-24	21	Intermediate connector	AR-3
OEM-L	DRC-50	50	Engine controller (Left bank)	AV-1
OEM R	DRC-50	50	Engine controller (Right bank)	AU-2
OLLV	DT	2	Engine oil level switch	AR-3
OLV1	DT	2	Intermediate connector (Engine oil level)	AQ-9
OLV2	—	2	Intermediate connector (Engine oil level)	AS-8
P03	DT	6	Intermediate connector (Work equipment knob switch)	G-9
PAMB	AMP	3	Ambient pressure sensor	AV-6
PCV1	SUMITOMO	2	Supply pump #1 (Left bank)	AQ-3
PCV1	SUMITOMO	2	Supply pump #1 (Right bank)	AQ-5
PCV2	SUMITOMO	2	Supply pump #2 (Left bank)	AU-4
PCV2	SUMITOMO	2	Supply pump #2 (Right bank)	AQ-5
PFUEL	AMP	3	Common rail pressure sensor (Left bank)	AU-4
PFUEL	AMP	3	Common rail pressure sensor (Right bank)	AU-9
PHR	Relay	5	Preheater relay	AS-1
PIM	SUMITOMO	3	Boost pressure sensor	AR-3
PL1	HD-24	23	Intermediate connector (Power train)	BB-4
PL1F	HD-24	23	Intermediate connector (Emergency escape device) (If equipped)	AY-8
PL1M	HD-24	23	Intermediate connector (Emergency escape device) (If equipped)	AY-8
PL2	HD-24	31	Intermediate connector (Power train)	AK-8, BB-4
PL3	HD-18	14	Intermediate connector (Power train)	BB-4
PLUB	Relay	5	Pre-lubricator relay	AK-3
PM1	Terminal	1	Pre-lubricator motor (If equipped)	AK-3
PNL	HD-24	31	Intermediate connector (Emergency escape device) (If equipped)	AW-9
POIL	FRAMATOME	3	Engine oil pressure sensor	AV-4
POP	Terminal	1	Pre-lubricator pressure switch (If equipped)	AV-5
PPB	DT	2	Pitch-back solenoid valve	R-8
PPD	DT	2	Pitch-dump solenoid valve	R-8
PPV	DT	2	Pitch-priority solenoid valve	S-8
PR1	Terminal	1	Pre-lubricator relay (If equipped)	E-8
PR2	Terminal	1	Pre-lubricator relay (If equipped)	E-8
PR3	Terminal	1	Pre-lubricator relay (If equipped)	F-1
PR4	Terminal	1	Pre-lubricator relay (If equipped)	G-1
PRE	DT	2	Pre-lubricator	AN-3
PRS	DT	2	Pre-lubricator	AN-6
PT1	DT	3	Pitch angle sensor	R-1
PTH	DT	2	Pitch selector solenoid valve	R-8
PW1	DTP	4	Engine controller (Left bank)	AV-1
PW R	DTP	4	Engine controller (Right bank)	AT-2
PWR1	DTHD#4	1	Intermediate connector (fuse)	Z-5
PWR2	DTHD#4	1	Intermediate connector (fuse)	Z-5
R.P.	HD-18	14	Intermediate connector	AQ-5
R.S.	HD-18	14	Intermediate connector (Injector right bank)	AQ-5
RELI	Terminal	1	Preheater relay (Left)	AR-2
RELJ	Terminal	1	Preheater relay (Right)	AQ-2
RES	DT	2	Left bank resistor (Pull-up)	AT-3
RES	DT	2	Right bank resistor (Pull-up)	AQ-4
RES L	DT	3	CAN terminal resistor (Left bank)	AU-1
RES R	DT	3	CAN terminal resistor (Right bank)	AQ-3
RPG	DT	2	Ripper lower oil pressure switch	P-9
RPNL	X	2	Resistor	AV-9
RPU	DT	2	Ripper raise oil pressure switch	Q-9
RSD	DT	2	Diode	P-6
RTB	DT	2	Ripper tilt back oil pressure switch	Q-8
RTI	DT	2	Ripper tilt in oil pressure switch	P-9
RWL	KES-1	4	Rear working lamp switch	AI-7
S01	AMP040	12	Monitor panel	AG-8
S02	M	2	Monitor panel	AF-8
S03	AMP070	20	Monitor panel	AG-8
S04	AMP070	12	Monitor panel	AG-8
S1T7	DT	2	1st clutch ECMV (Solenoid)	AY-6
S21	DT	3	Intermediate connector (Monitor)	AG-8
S24	—	—	Service switch	AG-6
S2T5	DT	2	2nd clutch ECMV (Solenoid)	AY-6
S3T3	DT	2	3rd clutch ECMV (Solenoid)	AZ-6
SDS	DT	2	Hydraulic oil temperature sensor	AZ-2
SFT1	DT	2	Forward clutch ECMV (Solenoid)	AZ-6
SFTD	—	3	PCCS lever shift-down switch	V-9

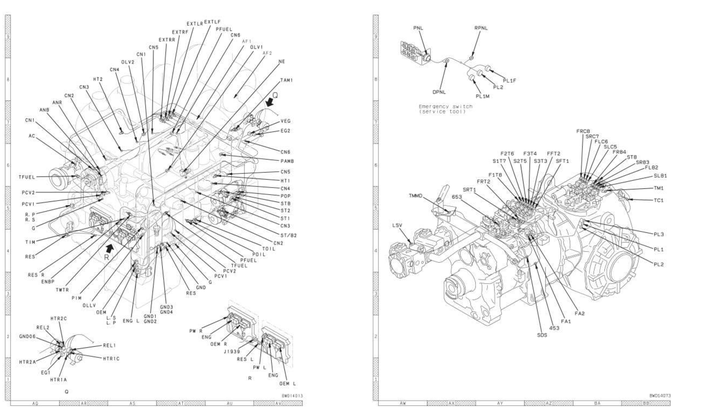
Connector No.	Model	Number of pins	Component name	Address of stereogram
SFTU	—	3	PCCS lever shift-up switch	V-9
SLB1	DT	2	Left brake ECMV (Solenoid)	BB-6
SLC5	DT	2	Left clutch ECMV (Solenoid)	BA-6
SLS	—	2	Daylight sensor	AF-8
SR#3	DT	2	Right brake ECMV (Solenoid)	BB-6
SRC7	DT	2	Right clutch ECMV (Solenoid)	BA-7
SRT1	DT	2	Reverse clutch ECMV (Solenoid)	AX-5
SRV	DT-A	12	Service connector	AH-2
SSA	DT	4	Acceleration sensor (SSC model)	R-1
ST-B2	Terminal	1	Safety relay (Terminal B)	AV-4
ST1	DT	3	Intermediate connector (Starting motor A)	AV-5
ST2	DT	2	Intermediate connector (Starting motor B)	AV-5
ST8	DT	2	Emergency stop valve	BB-6
STB	Terminal	1	Safety relay (Terminal B)	AV-5
STCN1	DRC26	24	Steering controller	AD-2
STCN2	DRC26	40	Steering controller	AE-2
STCN3	DRC26	40	Steering controller	AE-1
STF	X	4	Steering controller write connector	AD-4
SW	Terminal	1	Battery relay (Right) (Terminal B/R)	F-9
SW	Terminal	1	Battery relay (Left) (Terminal B/R)	I-1
SX8	Terminal	1	Ground	L-6
TAM1	PACKARD	2	Intake air temperature sensor	AV-8
TC1	DT	2	Torque converter outlet speed sensor	BB-5
TFUEL	PACKARD	2	Fuel temperature sensor (Left bank)	AU-4
TFUEL	PACKARD	2	Fuel temperature sensor (Right bank)	AQ-6
TIM	PACKARD	2	Intake air temperature sensor	AQ-4
TL1	HD-24	23	Intermediate connector (PCCS lever)	Y-2
TL2	DT-B	8	PCCS lever potentiometer	W-8
TL3	DT	6	Intermediate connector (Console)	W-9
TR5	DT	2	Left tilt limit solenoid valve	Q-7
TLR	DT	2	Right tilt limit solenoid valve	Q-7
TLS	DT	2	Blade tilt left oil pressure switch	Q-8
TM1	DT	2	Transmission outlet speed sensor	BB-5
TMC1	DRC26	24	Transmission controller	AI-5
TMC2	DRC26	40	Transmission controller	AI-5
TMC3	DRC26	40	Transmission controller	AI-4
TMF	X	4	Transmission write connector	AD-4
TMMD	DT	3	Transmission main oil pressure	AW-5
TOIL	PACKARD	2	Engine oil temperature sensor	AV-4
TRS	DT	2	Blade tilt right oil pressure switch	P-8
TS1	DT-C	12	Intermediate connector (Monitor panel)	AI-3
TS1F	DT-C	12	Intermediate connector (Steering controller)	AI-3
TS2	DT-D	12	Intermediate connector (Monitor panel)	AD-3
TS2F	DT-D	12	Intermediate connector (Steering controller)	AD-3
TTM	DT-B	12	Intermediate connector (Monitor panel)	AD-5
TTMF	DT-B	12	Intermediate connector (Transmission controller)	AD-5
TWTR	PACKARD	2	Coolant temperature sensor	AR-3
USB	DTHD#8	1	Intermediate connector (Fuse)	Z-4
V1	AMP070	20	VHMS controller	AK-6
V2A	AMP070	18	VHMS controller	AL-9
V2B	AMP070	12	VHMS controller	AM-9
V3A	AMP070	18	VHMS controller	AM-5
V3B	AMP070	12	VHMS controller	AL-5
V4A	AMP070	14	VHMS controller	AD-8
V4B	AMP070	10	VHMS controller	AD-7
VDA	HD-18	14	Intermediate connector (Download)	M-3
VDB	DT-A	8	Intermediate connector (Left fender)	Z-4
VDW	BENDIX	5	VHMS download (ORBCOM specification)	Y-8
VEG	HD-24	21	Intermediate connector (Engine)	AV-7
VF1	HD-24	21	Intermediate connector (Engine)	AJ-6
VF2	HD-24	23	Intermediate connector (Floor)	AK-5
WLD	DT	2	Coolant level sensor	C-2

★ The color symbols of the bodies of the heavy duty wire connectors (DT-8 poles, 12 poles) are as follows.
DT-A = Gray, DT-B = Black, DT-C = Green, DT-D = Brown









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