SEN06497-06

Shop Manual

BULLDOZER

D155AX-8

SERIAL NUMBERS 100001 and up

KOMATSU®

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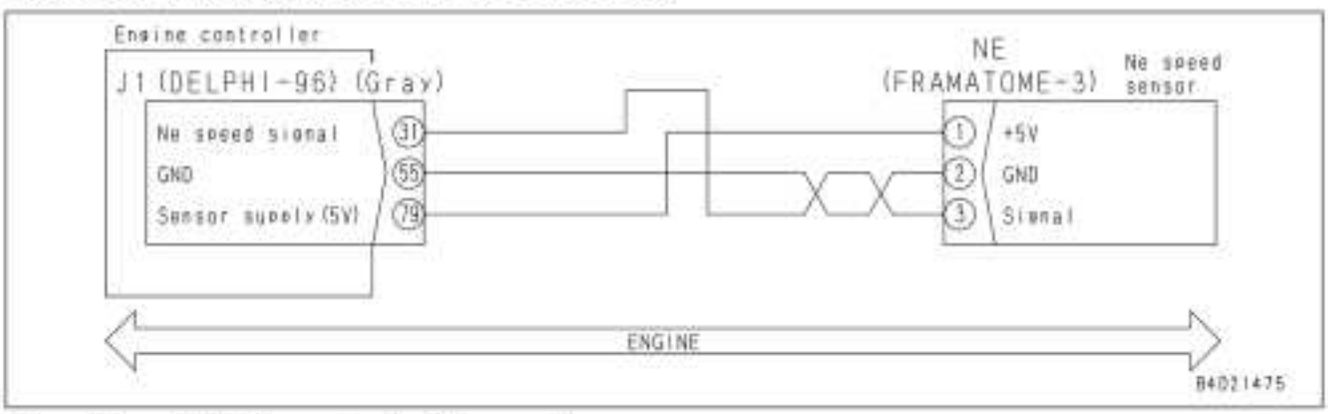
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Failure code	Failure (Displayed on screen)	Applicable component	Action level	Category of history	Remarks
AS10NR	FAILURE CODE [AS10NR] (40-235)	ENG	-	Electrical System	
AS10NT	FAILURE CODE [AS10NT] (40-236)	MON	-	Mechanical System	
B@BAZG	FAILURE CODE [B@BAZG] (40-237)	ENG	L03	Mechanical System	
B@BCNS	FAILURE CODE [B@BCNS] (40-238)	ENG	L02	Mechanical System	
B@BCZK	FAILURE CODE [B@BCZK] (40-239)	MON	L01	Mechanical System	
B@CENS	FAILURE CODE [B@CENS] (40-241)	PT	L02	Mechanical System	
B@HANS	FAILURE CODE [B@HANS] (40-242)	WE	L02	Mechanical System	
CA115	FAILURE CODE [CA115] (40-243)	ENG	L04	Electrical System	
CA122	FAILURE CODE [CA122] (40-244)	ENG	L03	Electrical System	
CA123	FAILURE CODE [CA123] (40-246)	ENG	L03	Electrical System	
CA131	FAILURE CODE [CA131] (40-248)	ENG	L03	Electrical System	
CA132	FAILURE CODE [CA132] (40-250)	ENG	L03	Electrical System	
CA135	FAILURE CODE [CA135] (40-252)	ENG	L01	Electrical System	
CA141	FAILURE CODE [CA141] (40-254)	ENG	L01	Electrical System	
CA144	FAILURE CODE [CA144] (40-256)	ENG	L01	Electrical System	
CA145	FAILURE CODE [CA145] (40-258)	ENG	L01	Electrical System	
CA153	FAILURE CODE [CA153] (40-260)	ENG	L03	Electrical System	
CA154	FAILURE CODE [CA154] (40-263)	ENG	L03	Electrical System	
CA187	FAILURE CODE [CA187] (40-266)	ENG	L03	Electrical System	
CA221	FAILURE CODE [CA221] (40-268)	ENG	L03	Electrical System	
CA222	FAILURE CODE [CA222] (40-270)	ENG	L03	Electrical System	
CA227	FAILURE CODE [CA227] (40-272)	ENG	L03	Electrical System	
CA234	FAILURE CODE [CA234] (40-273)	ENG	L02	Mechanical System	

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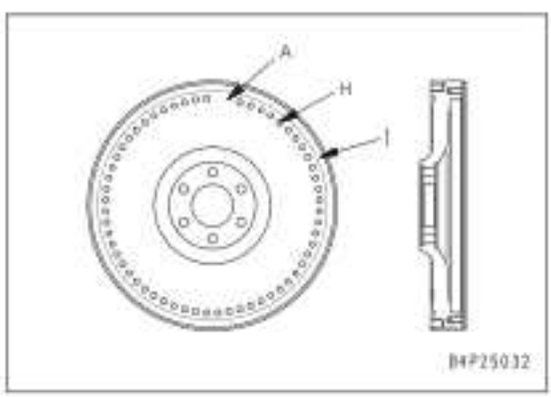
No.	Cause	Procedure, measuring location, criteria and remarks		
7	Ground fault in wiring harness (contact with ground circuit)	1. Turn starting switch to OFF position. 2. Disconnect connectors J1 and NE, and connect T-adapter to either female side.		
		Resistance	Between ground and J1 (female) (31) or NE (female) (3)	Min. 1 MΩ
8	Short circuit in wiring harness	1. Turn starting switch to OFF position. 2. Disconnect connectors J1 and NE, and connect T-adapter to either female side.		
		Resistance	Between J1 (female) (79) and (31), or between NE (female) (1) and (3)	Min. 1 MΩ
			Between J1 (female) (55) and (31), or between NE (female) (2) and (3)	Min. 1 MΩ
9	Hot short circuit in wiring harness	1. Turn starting switch to OFF position. 2. Disconnect connector NE, and connect T-adapter to female side. 3. Turn starting switch to ON position.		
		Voltage	Between NE (female) (3) and ground	Max. 1 V
10	Defective engine NE speed sensor	If failure code is still displayed after above checks, the engine Ne speed sensor may be defective. (In case of an internal defect, troubleshooting is impossible as an assembly. Replace whole assembly.)		
11	Defective engine controller	If no failure is found by above checks, engine controller is defective. (Since this is an internal defect, troubleshooting cannot be performed.)		

CIRCUIT DIAGRAM (Ne SPEED SENSOR)



Function of NE (crankshaft) speed sensor

NE speed sensor detects places (A) where there are no bores (H)on the flywheel (1) and the engine controller calculates the engine speed and the phase.



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REMARK

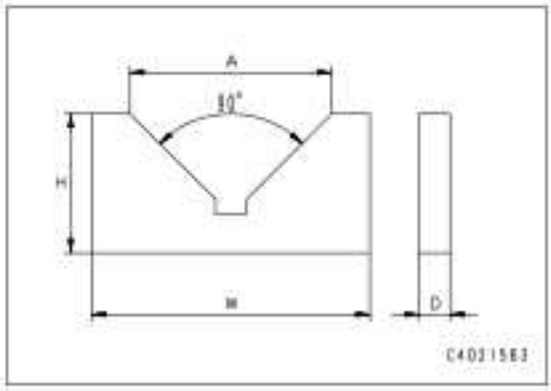
- For details of tool A, see the following dimension drawing.

  Dimension (W): Approximately 500 mm

  Dimension (H): Approximately 275 mm

  Dimension (D): Approximately 100 mm

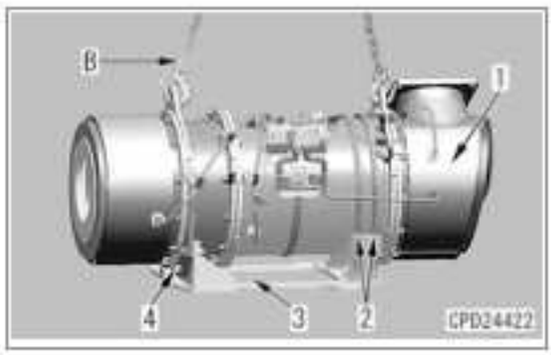
  Dimension (A): Approximately 400 mm



2. Install tool B, sling KDPF assembly (1), and hold it.
3. Remove U-bolts (2) (2 pieces).
4. Remove bolts (3) (4 pieces), and remove KDPF assembly (1) from bracket (4).
5. Set KDPF assembly (1) on tool A so that it does not touch piping or band, and securely fix it.

   KDPF assembly (1):

   75 kg

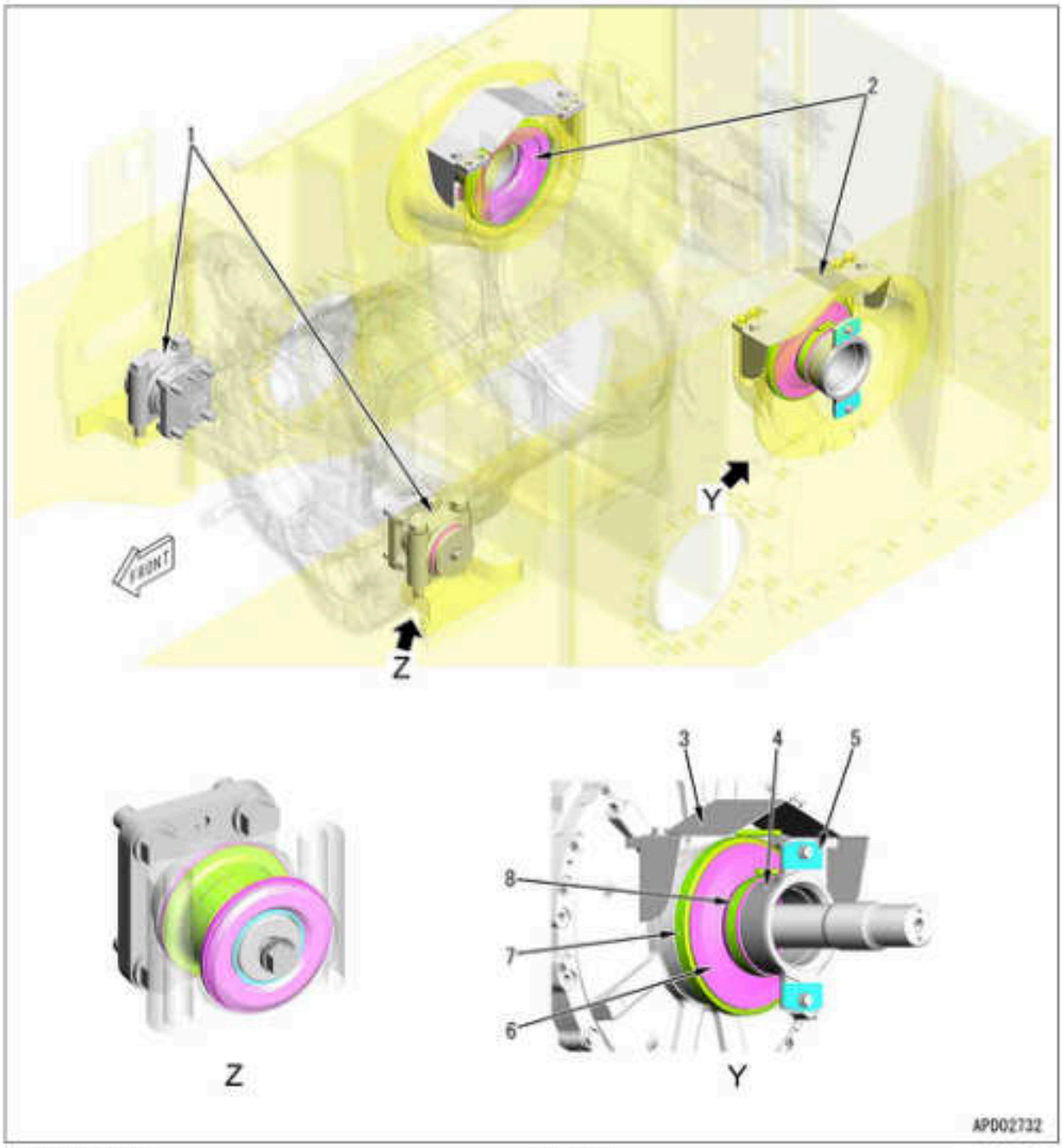


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POWER TRAIN MOUNT

STRUCTURE OF POWER TRAIN MOUNT

General view



1: Front mount
2: Rear mount
3: Cover
4: Cage
5: Plate
6: Seal
7: Coupling
8: Clamp

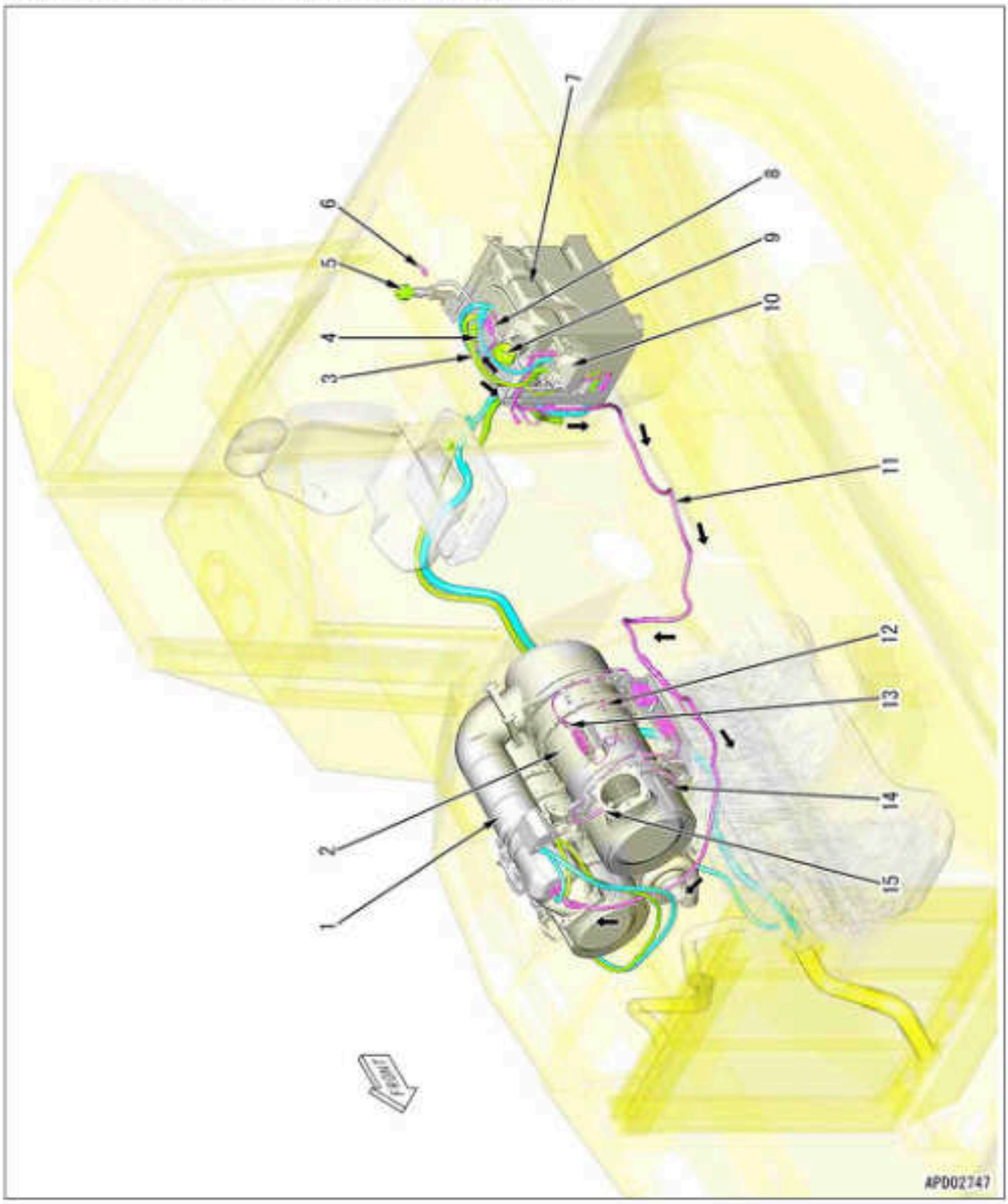
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UREA SCR SYSTEM

SCR

Abbreviation for Selective Catalytic Reduction

LAYOUT DRAWING OF UREA SCR SYSTEM



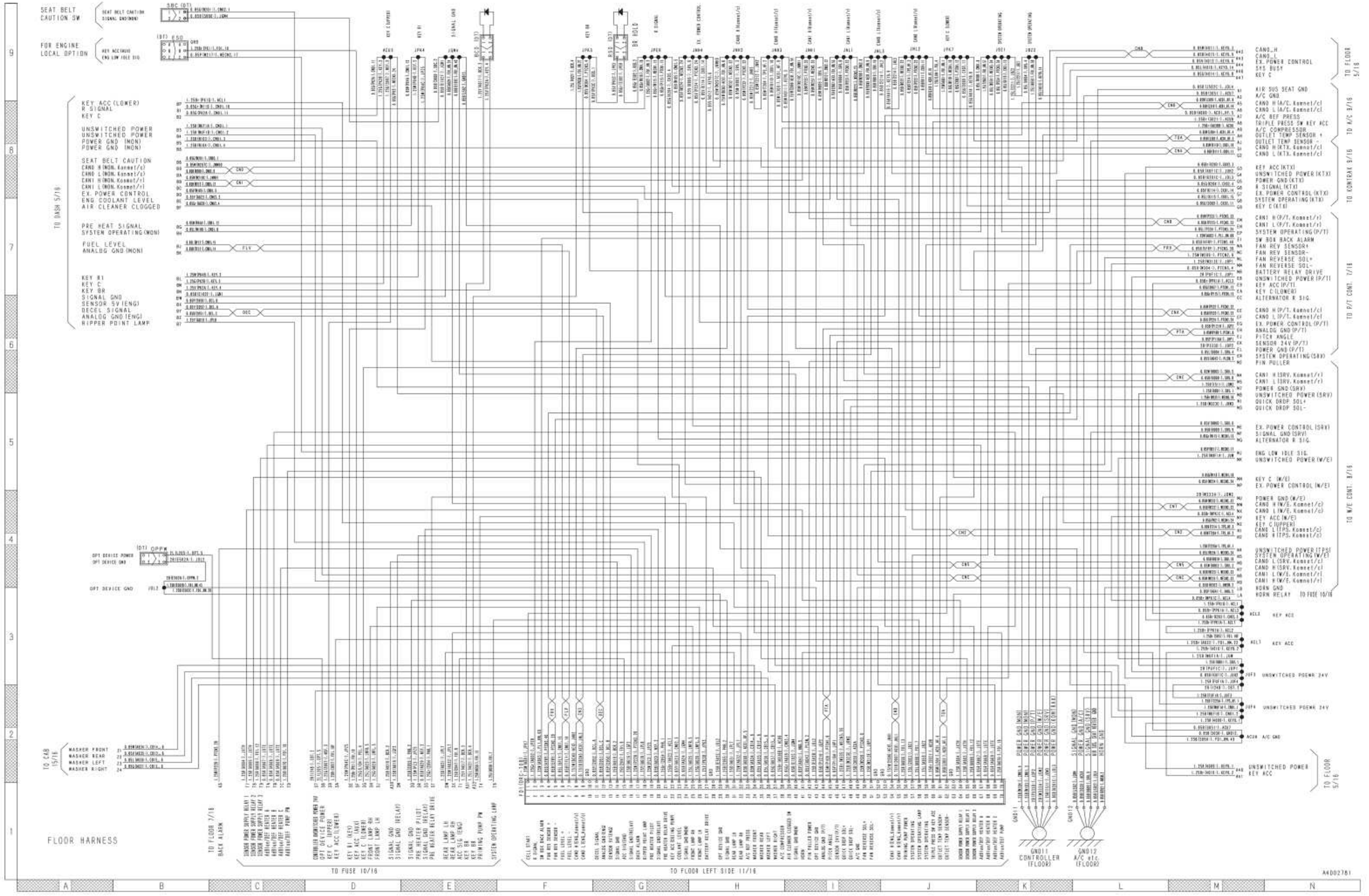
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ELECTRICAL CIRCUIT DIAGRAM (6/16)

D155AX-8

REMARK

This figure covers the equipment and devices that are unavailable as optional items in some areas.



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