SEN06617-02

Shop Manual

BULLDOZER

D51EX -24
D51PX -24

SERIAL NUMBERS D51EX- 10001 and up
D51PX- 10001

KOMATSU®

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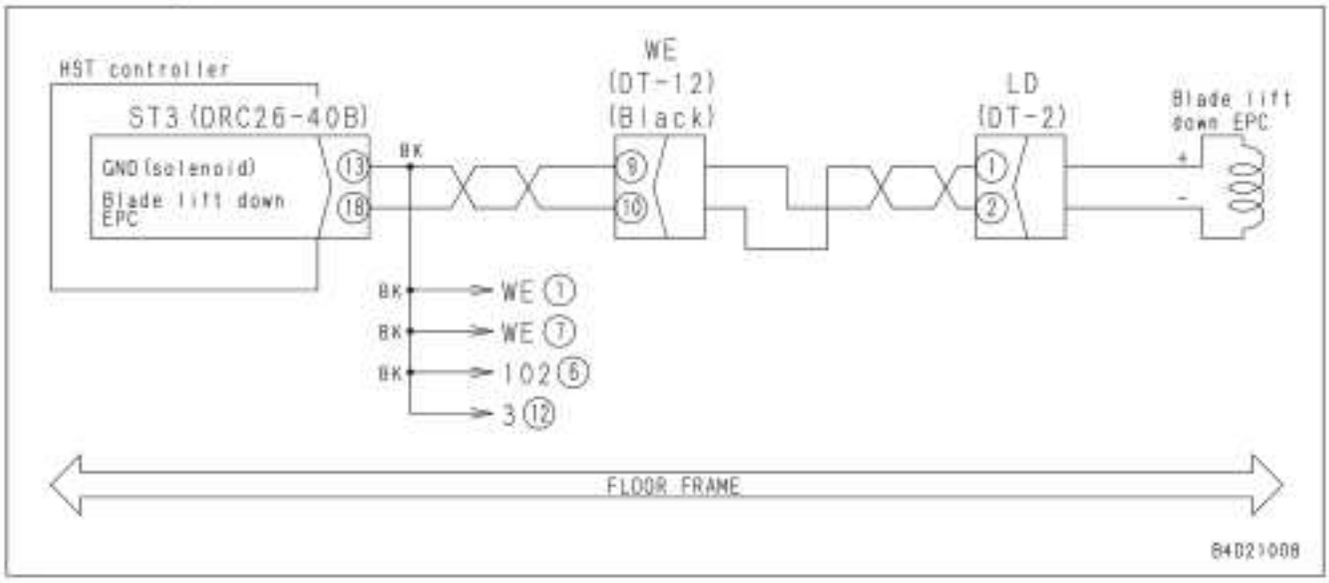
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SPECIFICATIONS: D51PX-24

Item	Unit	D51PX-24
Weight		
Machine weight	kg	
Bare tractor (with ROPS cab)		12410
Tractor + Dozer frame + ROPS cab (blade-less)		13220
Power angle power tilt dozer + ROPS cab		
Machine with the wide blade		14040
Machine with high capacity blade		14100
Performance		
Minimum turning radius	m	(Counter-rotation turn)
Gradeability	Degree	30
Stability (front, rear, right, and left)	Degree	35
Travel speed	km/h	
(Quick shift mode)		
Forward (1st)		3.4
Forward (2nd)		5.6
Forward (3rd)		9.0
Reverse (1st)		4.1
Reverse (2nd)		6.5
Reverse (3rd)		9.0
Variable shift mode		
Travel forward		0.8 to 9.0
Travel reverse		0.8 to 9.0
Ground pressure	kPa {kg/cm^2}	
Bare tractor (with ROPS cab)		31.2{0.32}
Tractor + Dozer frame + ROPS cab (blade-less)		33.2{0.34}
Power angle power tilt dozer + ROPS cab		
Machine with the wide blade		35.4{0.36}
Machine with high capacity blade		35.5{0.36}
Dimensions		
Overall length	mm	
Bare tractor (with ROPS cab)		3660
Tractor + Dozer frame + ROPS cab (blade-less)		4425
Power angle power tilt dozer + ROPS cab (blade full angling)		
Machine with the wide blade		4800
Machine with high capacity blade		4850

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Circuit diagram related to blade lift down EPC solenoid



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TROUBLESHOOTING OF ENGINE (S-MODE)

INFORMATION MENTIONED IN TROUBLESHOOTING TABLE (S MODE)

The following information is summarized in the troubleshooting table. Before performing troubleshooting, understand that information fully.

Failure	Failure symptom that appears on engine
Related information	Information on occurred failure or troubleshooting

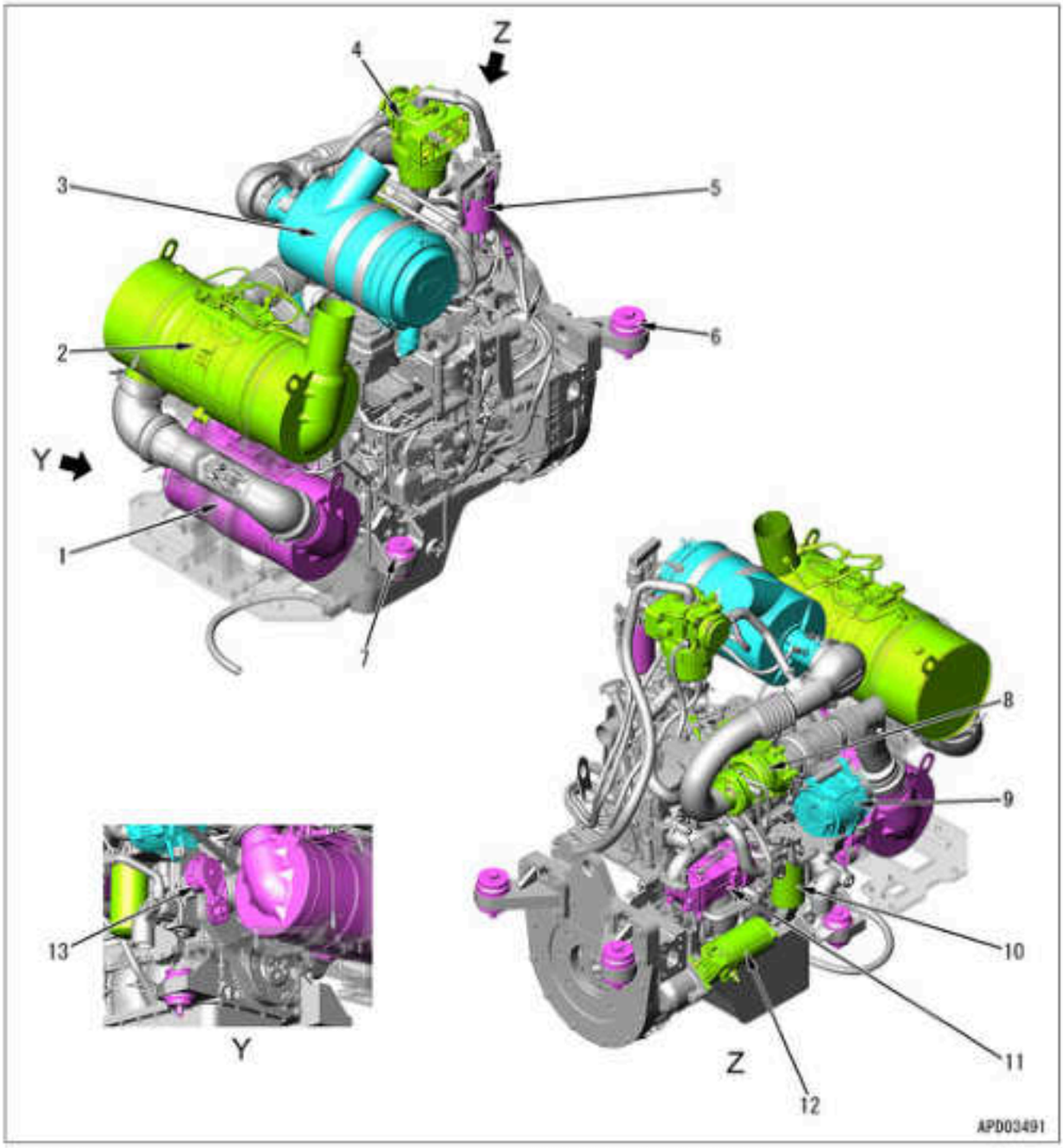
	Cause	Point to check, remarks	Remedy
1	**Probable cause of failure (Each number is serial number, not priority sequence.)**	**<Contents of description>** • **Contents of check to determine probable causes** • **Remarks for determination of probable cause**	• Actions to eliminate probable cause of failure
2			
3			
4			
5			

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ENGINE SYSTEM

LAYOUT DRAWING OF ENGINE SYSTEM

General view



1:KDOC
2: SCR assembly
3: Air cleaner
4: KCCV ventilator
5: Fuel main filter
6: Rear engine mount
7: Front engine mount
8:VGT
9: Alternator
10: Engine oil filter
11: EGR cooler
12: Starting motor

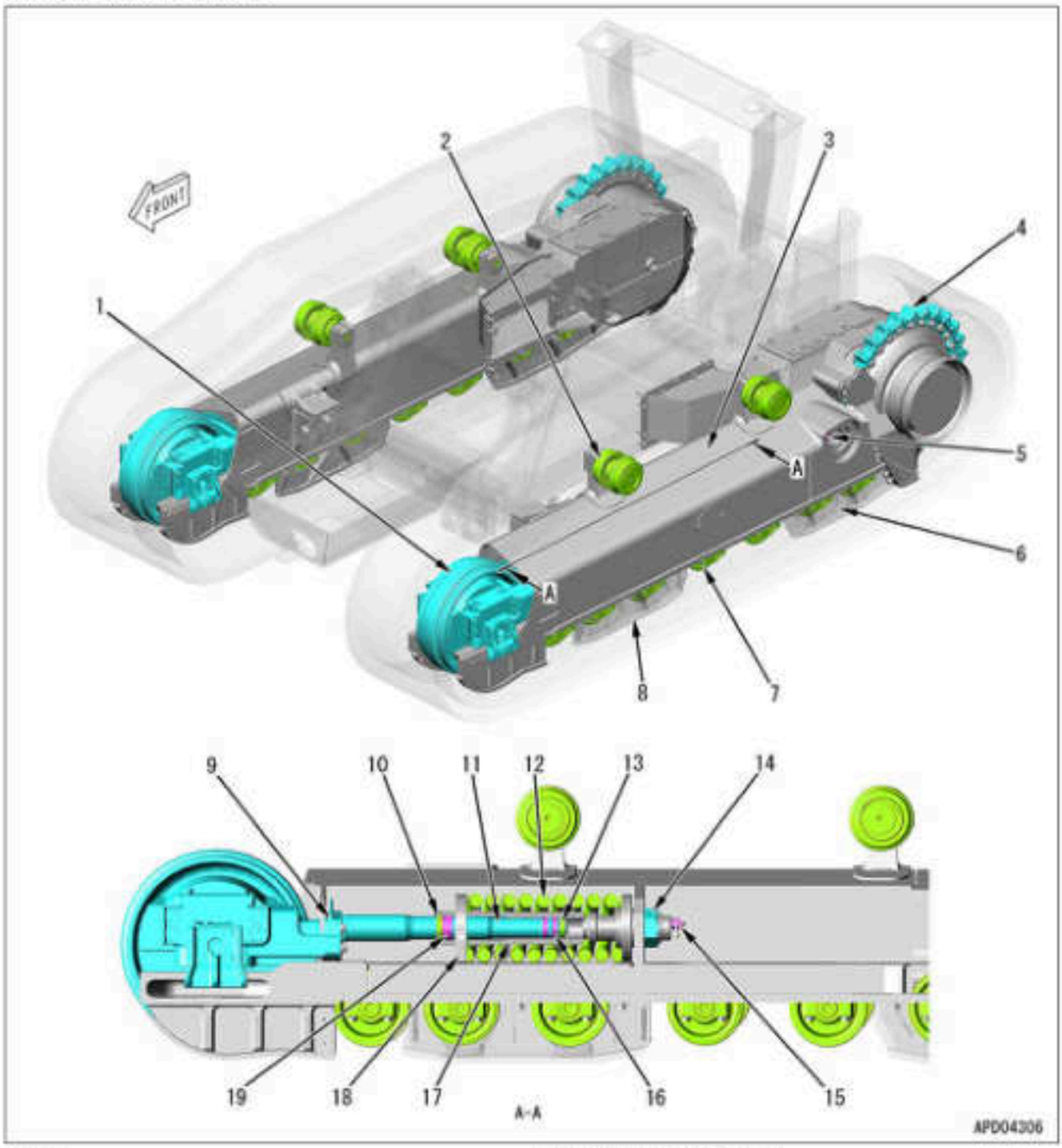
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TRACK FRAME AND IDLER CUSHION

STRUCTURE OF TRACK FRAME AND IDLER CUSHION

General view and sectional view

The figure shows D51PX-24.



1: Idler
2: Carrier roller
3: Track frame
4: Sprocket
5: Plug (oil filler port)
6: Track roller end guard
7: Track roller
8: Track roller center guard
9: Yoke
10: Seal

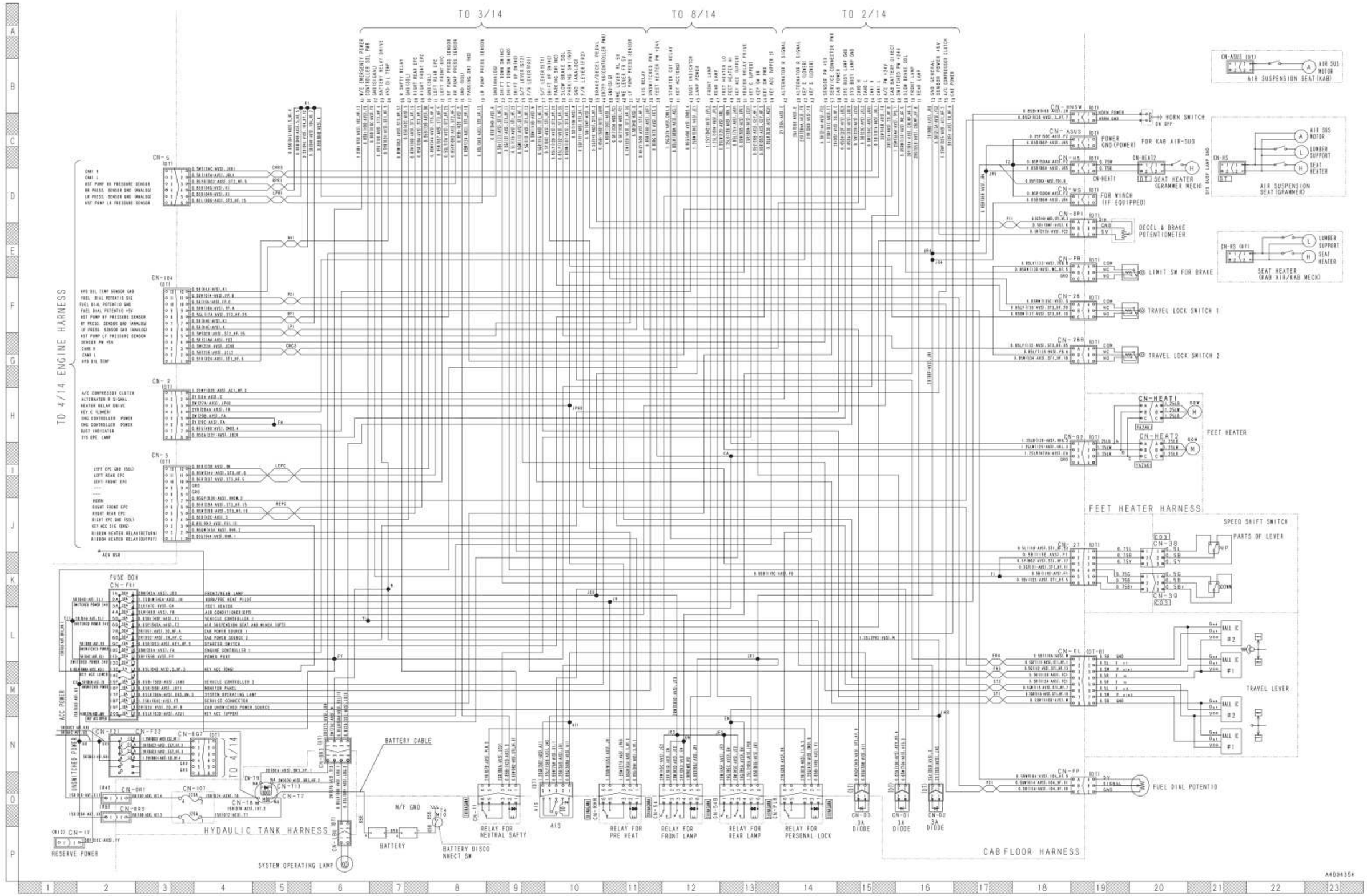
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ELECTRICAL CIRCUIT DIAGRAM (1/14)

D51EX-24, D51PX-24

REMARK

This figure includes the equipment and device that are unavailable as optional items in some areas.



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