SEN06572-06

Shop Manual

BULLDOZER

D65EXi -18
D65PXi -18

SERIAL NUMBERS D65EXi- 90023 and up
D65PXi- 90023

KOMATSU®

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Equipment name	Procedure, measuring location, criteria, and remarks			
Charge temperature sensor	1. Turn the starting switch to OFF position. 2. Disconnect connector BOOST PRESS & IMT, and connect socket to male side.			
	Resistance	Between BOOST PRESS & IMT (male) (A) and (B) Charge thermal characteristics	-40 °C	291 to 382 kΩ
			-20 °C	85 to 109 kΩ
			0 °C	29 to 36 kΩ
			30 °C	7.3 to 8.8 kΩ
			60 °C	2.3 to 2.7 kΩ
			90 °C	860 to 970 Ω
			130 °C	280 to 320 Ω
Ambient pressure sensor	1. Turn the starting switch to OFF position. 2. Insert T-adapter into connector J1 and AMB.AIR PRESSURE. 3. Turn starting switch to ON position.			
	Voltage	Between ECM J1 (44) and (54), or between AMB. AIR PRESSURE (3) and (2)	Sensor output	0.3 to 4.7 V
Ambient temperature sensor	1. Turn the starting switch to OFF position. 2. Disconnect connector ATS and connect socket to male side.			
	Resistance	Between ATS (male) (A) and (B)	-40 °C	291 to 382 kΩ
			-20 °C	85 to 109 kΩ
			0 °C	29 to 36 kΩ
			30 °C	7.3 to 8.8 kΩ
			60 °C	2.3 to 2.7 kΩ
			90 °C	860 to 970 Ω
			130 °C	280 to 320 Ω
Common rail pressure sensor	1. Turn the starting switch to OFF position. 2. Insert T-adapter into connector FUEL RAIL PRESS or ECM J1. 3. Turn starting switch to ON position.			
	Voltage	Between FUEL RAIL PRESS (female) (2) and (1), or between ECM J1 (42) and (58)	Sensor output	0.2 to 4.6 V
VGT speed sensor	1. Turn the starting switch to OFF position. 2. Disconnect connector VGT REV. and connect T-adapter to female side.			
	Resistance	Between VGT REV. (female) (1) and (2)		600 to 160 Ω

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FAILURE CODE [DR31KX]

Action level	Failure code	Failure	Camera 3 Picture Reverse Drive Input Out of Range (Machine monitor system)
L01	DR31KX		
Detail of failure			
Action of controller			
Phenomenon on machine			
Related information	• This failure code does not relate to this machine because it is not equipped with camera 3. This failure code is provided in case when camera 3 is installed in future. • If this failure code is displayed, see "PROCEDURE FOR TROUBLESHOOTING" to clear this failure code.		

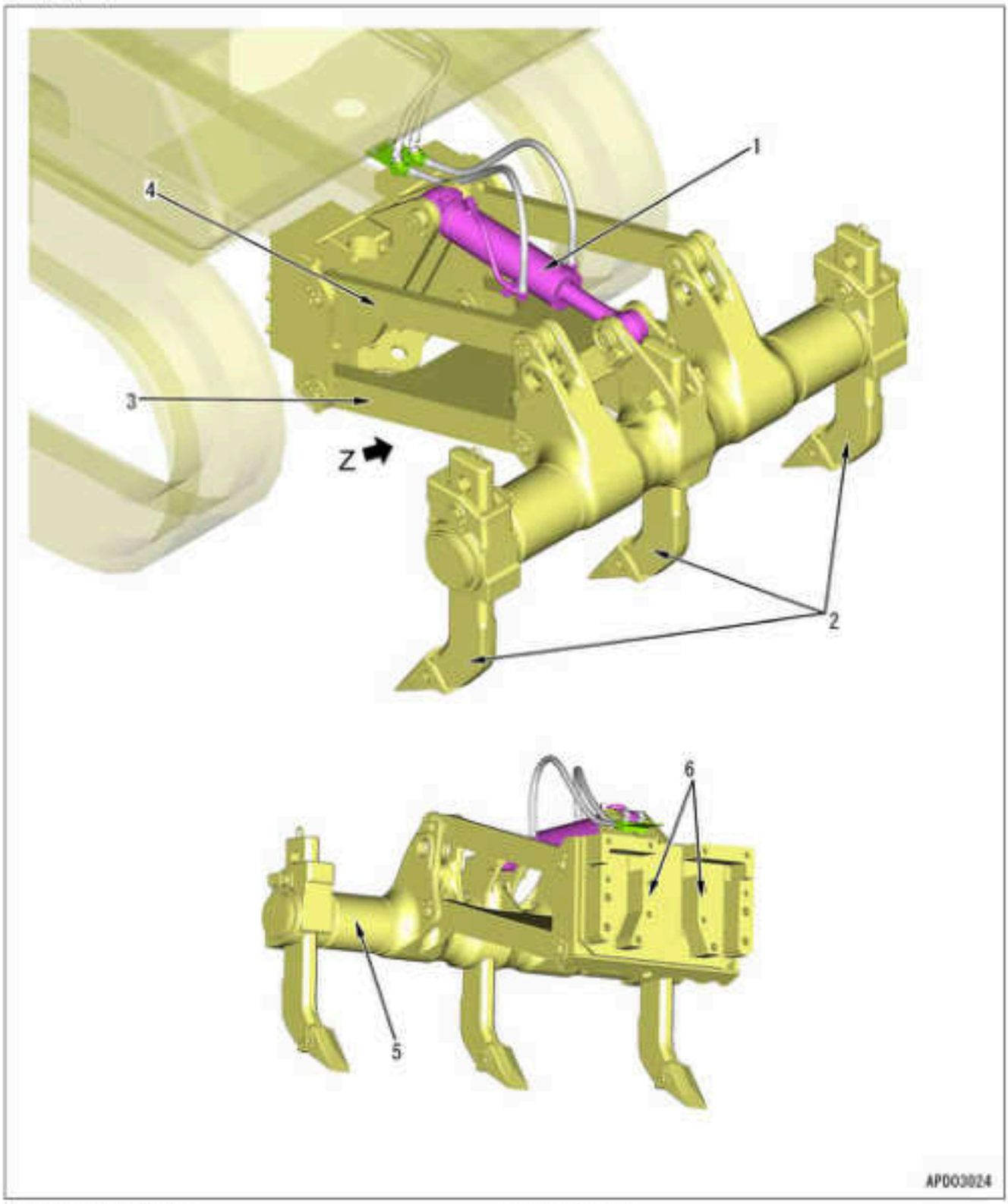
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<table>
<tr><th>No.</th><th>Cause</th><th colspan="3">Procedure, measuring location, criteria and remarks</th></tr>
<tr><td rowspan="11">6</td><td rowspan="11">Open or short circuit in wiring harness</td><td colspan="3">REMARK
Check to find from which point the voltage is abnormal to help locate the defective point in warning harness.
1. Turn starting switch to OFF position.
2. Disconnect connectors LHDR and LHDL, and connect T-adapters to each female side.
3. Turn starting switch to ON position.
4. Turn on headlamp switch.</td></tr>
<tr><td rowspan="2">Voltage</td><td>Between LHDL (female) (1) and (2)</td><td>20 to 30 V</td></tr>
<tr><td>Between LHDR (female) (1) and (2)</td><td>20 to 30 V</td></tr>
<tr><td colspan="3">REMARK
If failure code is still displayed after above checks, this check is not required.
1. Turn starting switch to OFF position.
2. Disconnect connectors LMFL and LMFR, and connect T-adapters to each female side.
3. Turn starting switch to ON position.
4. Turn on headlamp switch.</td></tr>
<tr><td rowspan="4">Voltage</td><td>Between LMFL (female) (1) and (2)</td><td>20 to 30 V</td></tr>
<tr><td>Between LMFL (female) (3) and (2)</td><td>20 to 30 V</td></tr>
<tr><td>Between LMFR (female) (1) and (2)</td><td>20 to 30 V</td></tr>
<tr><td>Between LMFR (female) (3) and (2)</td><td>20 to 30 V</td></tr>
<tr><td colspan="3">REMARK
If failure code is still displayed after above checks, this check is not required.
1. Turn starting switch to OFF position.
2. Disconnect connector FLSW and connect T-adapter to female side.
3. Turn starting switch to ON position.</td></tr>
<tr><td>Voltage</td><td>Between FLSW (female) (5) and (2)</td><td>20 to 30 V</td></tr>
</table>

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STRUCTURE OF FIXED MULTI-SHANK RIPPER

(if equipped)

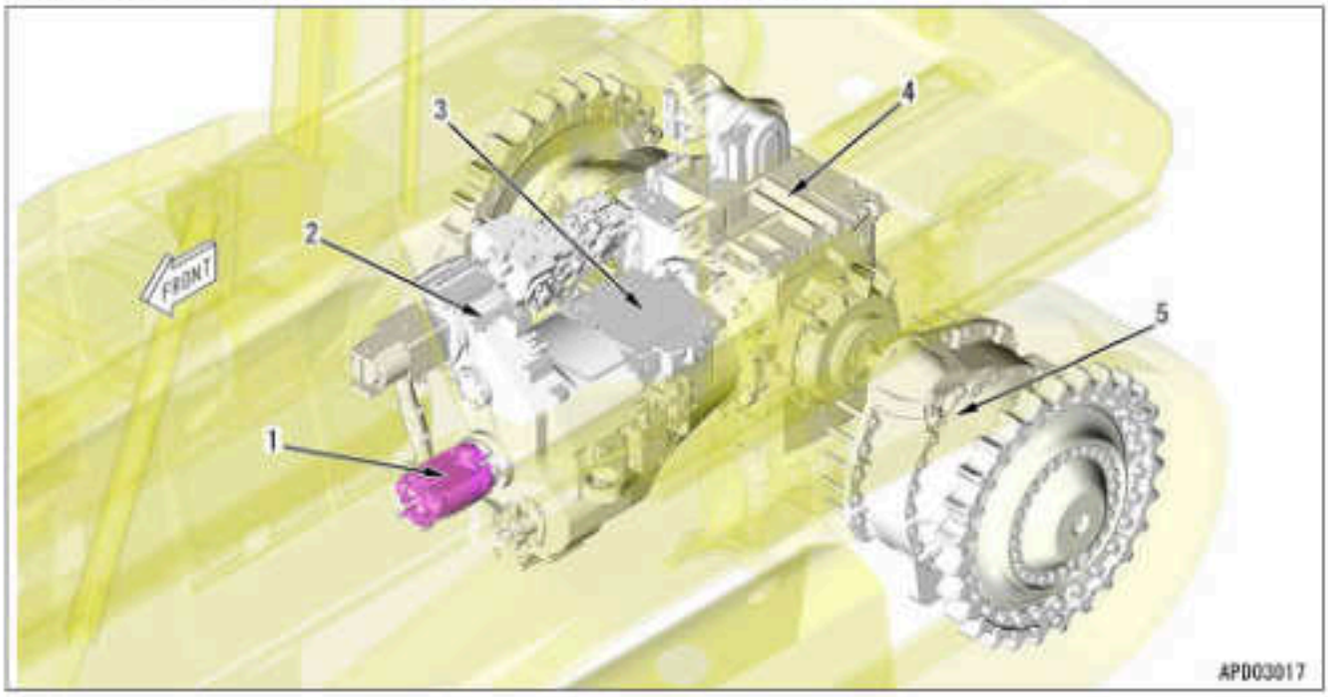


1: Ripper lift cylinder
2: Shank
3: Lower link
4: Upper link
5: Beam
6: Mount bracket

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POWER TRAIN SYSTEM

LAYOUT DRAWING OF POWER TRAIN SYSTEM



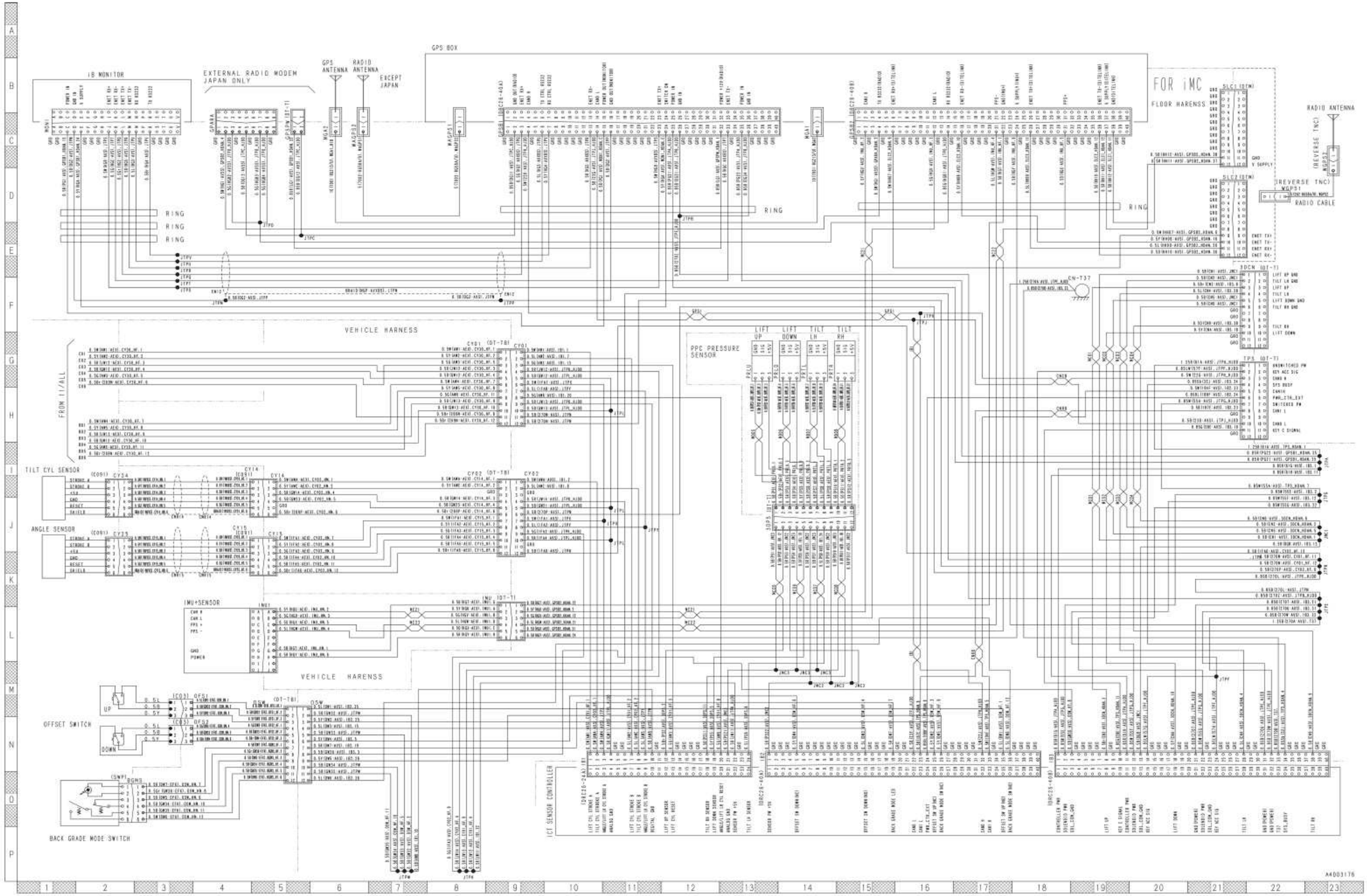
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ELECTRICAL CIRCUIT DIAGRAM (16/16)

D65EXI-18,D65PXI-18

REMARK

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



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