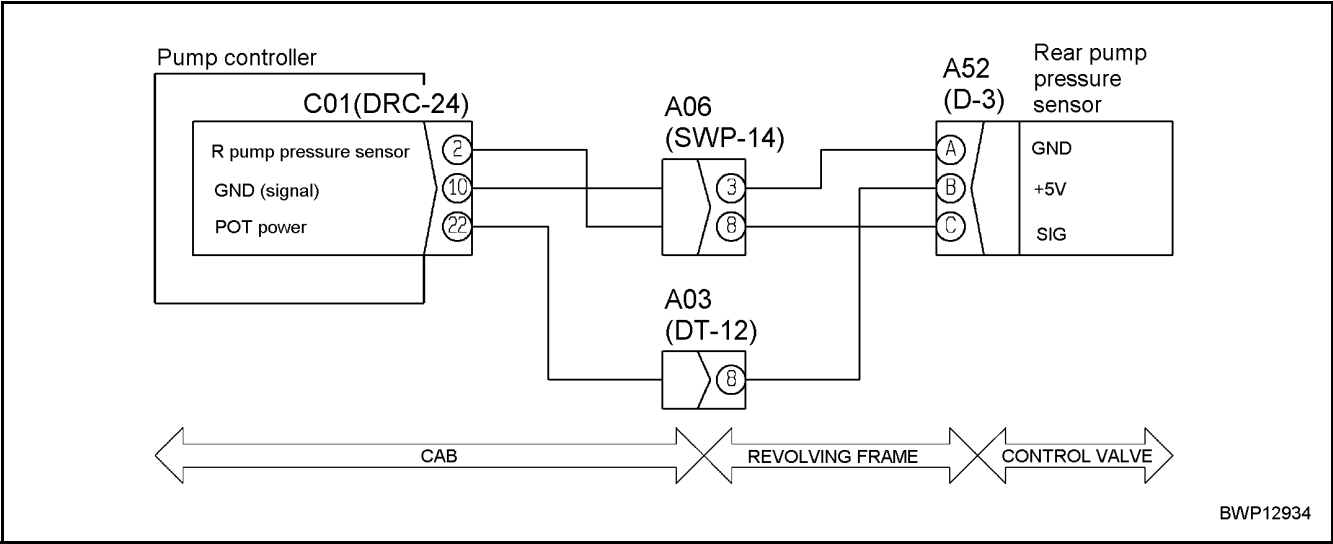


Electrical circuit diagram related to rear pump pressure sensor



E226

ABNORMAL PRESSURE SENSOR POWER SUPPLY

Contents Of Trouble	<ul style="list-style-type: none"> Abnormal pressure sensor power supply (5V). Failure code DH25KP.
Response from controller	<ul style="list-style-type: none"> Power to the power supply (5V) circuit is switched OFF. Even after the failure cause disappears by itself, the machine operation does not return to normal, unless the engine ignition switch is turned OFF.
Phenomenon occurring on machine	<ul style="list-style-type: none"> The pressure sensor signal is not input normally. The error code of abnormality in the pressure sensor is displayed.
Relative information	---

Tools and Procedures	<ul style="list-style-type: none"> Digital Volt Ohm Meter. T-adaptor kit if appropriate. Do not mark on original page of service manual. Remove this page from the service manual and make a copy for recording information while performing these tests. If you are unable to copy this page, record readings on a separate paper referring to the (No.) numbers listed on the right of the procedure. Follow each step throughout this procedure, do not skip steps, jump ahead or stop when a fault is found unless otherwise instructed to in the procedure. It is important to complete all steps and record information for final analyzing.
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Steps	Circuit Diagnostic Procedures For Code [E226]		Specifications	No.	Readings
1. Pressure sensor defective (Internal short) <ul style="list-style-type: none">Turn the engine ignition switch OFF for preparationsIgnition switch ON during troubleshooting.					
A. Pressure sensor test Disconnect the parts shown at right in order.	If the error code goes off when one of the listed items (in order listed) is disconnected, that part is defective.	Front pump pressure sensor - connector A51	1		
		Rear pump pressure sensor - connector A52	2		
		Arm IN PPC pressure sensor - connector S04	3		
		Bucket CURL PPC pressure sensor - connector S01	4		
2. Wiring harness assembly <ul style="list-style-type: none">With ignition switch in OFF position.Disconnect pump controller C01 and install T-adaptor.Ignition switch should remain in the OFF position during troubleshooting.					
A. Ground fault of wiring harness (Contact with ground circuit)	Resistance Ω	Between C01 (22) and A51 (B) and ground (F pump)	Min. 1 MQ	5	
		Between C01 22) and A52 (B) and ground (R pump)	Min. 1 MQ	6	
		Between C01 (22) and S04 (A) and ground (Bucket CURL PPC)	Min. 1 MQ	7	
		Between C01 (22) and S01 (A) and ground (Arm IN PPC)	Min. 1 MQ	8	
3. Pump controller <ul style="list-style-type: none">With ignition switch in OFF position.Disconnect pump controller C01 and install T-adaptor.Ignition switch should be in the ON position for troubleshooting.					
A. Pump controller test	Voltage	Between C01 (22) and (10)	4.5 - 5.5V	9	