PREPARATION WORK FOR TROUBLESHOOTING FOR ELECTRIC SYSTEM

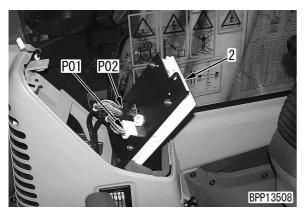
★ When carrying out troubleshooting for an electric circuit related to the monitor panel and governor and pump controller, expose the related connectors according to the following procedure.

1. Monitor panel

- 1) Remove cover (1)
 - ★ The cover is fixed with 2 clips at the top and bottom. Just pull it up to remove it.
 - ★ If the daylight sensor of the air conditioner is installed, disconnect connector P15 on the back side of the cover.



- 2) Remove the 3 mounting screws, and then remove monitor panel (2) from the mount.
 - ★ Take care not to drop the mounting screws into the console.
- Insert or connect testing T-adapters in or to connectors P01 and P02 of the monitor panel.
 - ★ Connector P70 clamped near the above connectors is not used.



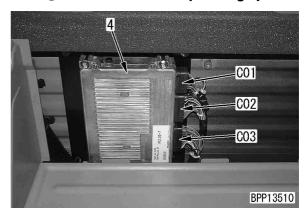
2. Governor and pump controller

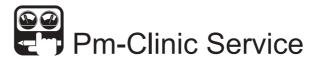
- ★ The governor and pump controller is installed in the cover at the rear of the operator's seat.
- 1) Remove the 3 mounting bolts and cover (3).



- Insert or connect testing T-adapters in or to connectors C01, C02, and C03 of governor and pump controller (4).
 - ★ Since the connectors are secured with screws, loosen those screws before disconnecting.
 - ★ When connecting the connectors again, tighten their screws to the specified torque.

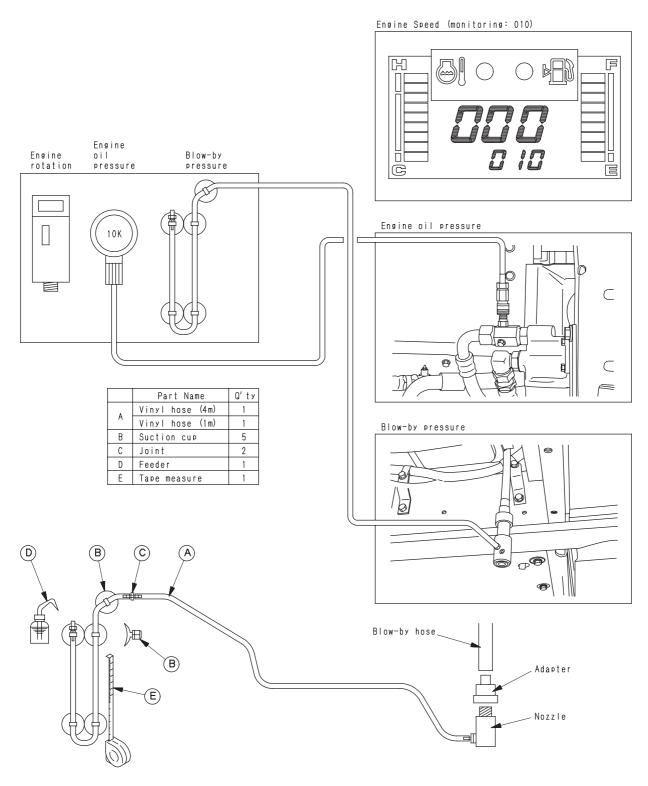
Screw: 2.82 Nm {0.288 kgm}





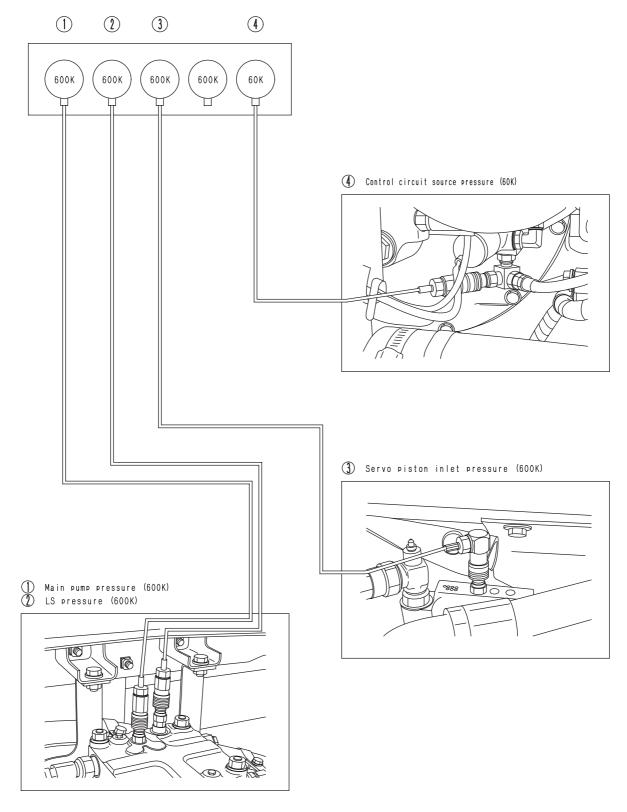
Model	Serial No.	Service meter									
PC130-7		h									
User's name Date of inspection Inspector											
User s name	/ /	Паресто									
	Specifications										
Main parts	Attachments	Shoe width									
Boom	□ 1 att. □ () □ Blade □ () □ 2-piece boom	□ 500 mm □ () □ 600 mm □ 700 mm									
	Check of oil and coolant levels										
☐ Radiator coolant	When necessary										
☐ Engine oil☐ Hydraulic oil	□ Damper case oil□ Machinery case oil	☐ Final drive case oil☐ ()									
Max. range of engine coolant temperature	Max. range of hydraulic oil temperature	Ambient temperature									
		°C									
(Up) (Down)	°C	Altitude									
		m									
	Operator's opinion										
	Visual inspection result										
	Error code history										
	Effor code flistory										
	Memo										

Items related to engine



BJP13511

Items related to hydraulic equipment



BJP13512

	Model		Ser	Serial No.	Service meter	User	User's name	Date of inspection	ction	Inspector	or
ш.	Engine										
			Cor	Condition				Standard value	value		
O	Fuel control dial	Working mode	Auto decelerator	One-touch power max. switch	Operation of work equipment	Measured item	Unit	Standard value for new machine	Service limit value	value	Judgment
_	Full (MAX)	٨	OFF	OFF	All levers in neutral	Engine speed	rpm	2,250 – 2,450	2,250 – 2,450		Good/Bad
2	Full (MAX)	٧	OFF	OFF	All levers in neutral	Engine oil pressure	MPa{kg/cm ² }	0.34-0.54{3.5-5.5}	0.25 {2.5}		Good/Bad
3	Low (MIN)	۷	OFF	OFF	All levers in neutral	Engine speed	rpm	1,050 - 1,150	1,050 - 1,150		Good/Bad
4	Low (MIN)	٧	OFF	OFF	All levers in neutral	Engine oil pressure	MPa{kg/cm ² }	Min. 0.18{Min. 1.8}	0.15 {1.5}		
2	Full (MAX)	٧	OFF	NO	Arm DUMP relief	Engine speed	rpm	2,080 – 2,280	2,080 – 2,280		
9	Full (MAX)	٧	OFF	NO	Arm DUMP relief	Blow-by pressure	kPa{mmH ₂ O}	Max. 0.49{Max. 50}	0.98 {100}		
7	Full (MAX)	٨	NO	OFF	All levers in neutral	Engine speed	rpm	1,300 – 1,500	1,300 – 1,500		

	TO SE	Judgmen Judgmen												
	Composition	value												
	/alue	Service limit value	Max. 4.3	Max. 3.7	Max. 4.4	Max. 4.6	Max. 5.4	Max. 3.7	22.8 – 34.4	22.8 – 34.4	36.9 – 55.3	36.9 – 55.3	20.1 – 26.1	20.1 – 26.1
	Standard value	Standard value for new machine	3.3 – 4.1	2.8 – 3.4	2.8 – 3.6	3.0 – 3.8	3.7 – 5.1	2.6 – 3.2	23.8 – 33.4	23.8 – 33.4	8.35 – 6.38	8.35 – 6.38	19.7 – 24.1	19.7 – 24.1
		Unit						Č	2000					
2. Work equipment, switch, and travel speed Hydraulic oil temperature: 45 – 55 °C		_	1						Right	Left	Right	Left	Right	Left
	Measured item		Boom RAISE (*1) Arm OUT (*1)	Arm OUT (*1)	Arm IN (*1)	Arm IN (*1)	Arm IN (*1)	Bucket CURL	(suır		_		íg Íg	Ē
	Measur		Boom F	Arm C	Arm	Arm	Arm	эхрлд	(South 9) Soims	n c) fillimo		Traval (5 turns)	IIavei (5 tulii	
	Condition	Position of work equipment	Max. reach, no load	Boom top on level, no load	Boom top on level, no load	Boom top on level, no load	Boom top on level, no load	Arm top and boom foot on level, no load	door you	ויומא. וסמטו		1 yet object toods short and desired	Tust up track struct by the	
		Working mode	A	Α	A	Е	٦	A	4			<	τ	
ork equipm		Fuel control dial	Full (MAX)	Full (MAX)	Full (MAX)	Full (MAX)	Full (MAX)	Full (MAX)	(AVVA)	(VKINI) IID I		(AVV)	(VKINI) IID I	
2. W		O	-	2	3	4	2	9	7	-		0	0	

*1: Until cylinder cushion starts working