

AR60 Series Operating Instruction Manual

Diagnosis and Clearing of the Fault

Symptom of fault	Cause of fault	Methods for removing fault
<p>When the system begins to lubricate, the motor stops working. The monitor sounds the alarm in 150 seconds because it does not detect the preset pressure from the mainline. At this time, the OFF pressure and the fault code EE-1 occurs on the screen and the "grease Pressure" twinkles.</p>	1.The monitor is connected mistakenly	Please connect as wiring diagram of the monitor shown
	2.The monitor is damaged	Replace the monitor
	3.Wires of the pump module are broken	Connect the wires properly
	4.The motor is damaged	Replacing
	5.The gear pump seizes up	Clean and repair the gear pump
<p>When the system begins to lubricate, the motor works. The monitor sounds the alarm in 150 seconds because it does not detect the preset pressure from the mainline. At this time, the OFF pressure and the fault code EE-1 occurs on the screen and the Grease Pressure twinkles.</p>	1. There is air in the inlet port of the gear pump	Shake the reservoir so as to expel the air
	2.Mainlines are broken and joints are loose	Overhauling and Replacing
	3.The consistency of grease injected into reservoir is higher	Change the grease according to the instructions
	4. The overflow valve of pump module is damaged	Replacing
	5.Pressure sensor is damaged or the wire is disconnection	Replacing and Repair



CENTRALIZED LUBRICATION SYSTEMS

Symptom of fault	Cause of fault		Methods for removing fault
<p>When the system begins to lubricate, the motor works. The monitor sounds the alarm in 150 seconds because it does not detect the preset pressure from the mainline. At this time, the OFF pressure and the fault code EE-1 occurs on the screen and the Grease Pressure twinkles.</p>	6. There is debris in reservoir	The holes of unloading valve core are blocked off	Remove it and clean it with diesel, otherwise clean the reservoir and change the grease
		The inlet port of gear pump is blocking.	
	7. Several sealing cups in drainage ports of distributors are damaged or seized up	Replace the related distributor	
	8. The monitor is damaged	Replace	
	9. The spiracle is blocked	Pressurize air from the reservoir to the spiracle so as to clear out the blockage	
10. There is a lack of grease in the reservoir	Fill the reservoir to prescriptive scale mark		
<p>When the system begins to lubricate, the motor works. But the ON pressure reverts to the OFF one takes longer time than normal.</p>	1. Mainlines leak	Overhaul and Connect the mainlines	
	2. Several sealing cups of drainage ports of injectors are damaged or seized up	Change corresponding joints	
	3. The consistency of grease injected into reservoir is higher	Change the grease according to the instructions	

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The monitor detect that pressure is normal. The OFF pressure occurs on the screen, but there are not time counting in the pause interval.	1.The monitor is damaged	Replace the monitor
	2.Pressure unloading valve seizes up and do not return in order to that it cannot relieve the pressure	Dismount the cups, and then clean them with diesel fuel or change them
	3.A blue line and a green line in pressure sensor are short-circuited.	Check wiring harness, find the short-circuited point, then separate the two lines and wrap up them respectively with black tape.
Grease cannot be delivered to several friction pairs (grease fitting)	1. The injectors connected to them are damaged	Cleaning or Replacing
	2. The distribution lines connected to them are broken or blocked (main cause)	Connect distribution lines rapidly with quick change coupler or change them
	3.Hard lumps of grease, which is turned from the grease that had existed in friction pairs before the vehicle was installed, block the friction pairs.	Grease gun, which is injected with the grease that is also used in the system, is used to clear out grease tubes.
LCD screen doesn't work or works anomalously	1.Electromagnetic or static interference	Turn off and subsequently turn on the power
	2.Wires are connected mistakenly or loose	Check the wires and connect it correctly
	3.The monitor is damaged	Replacing