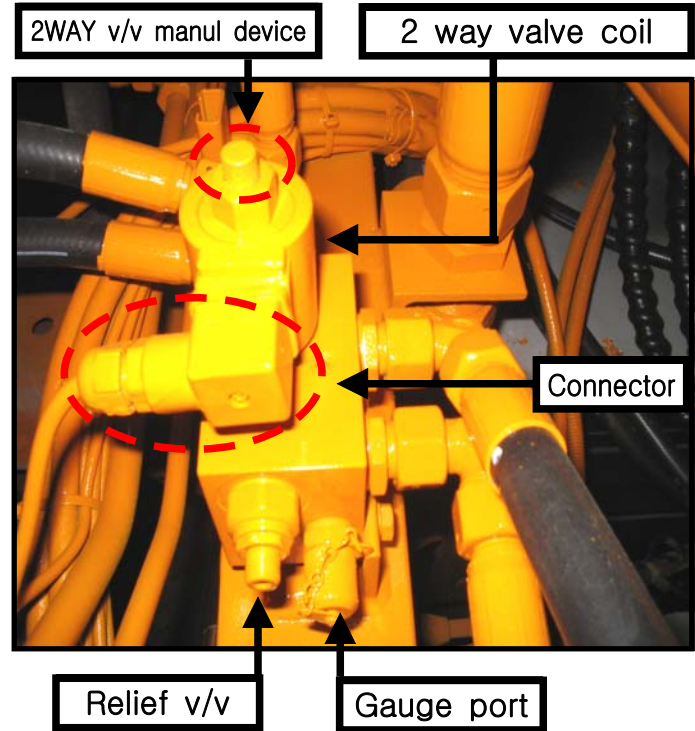
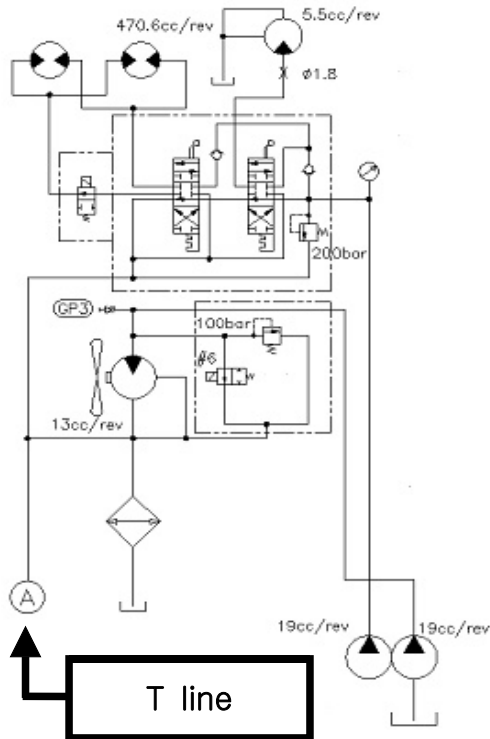


JUNJIN CONCRETE PUMP SERVICE INFORMATION



JSI - EN - 05 - 8B - 001		Date	Feb 1st, 2005
Total Pages	2	Present Page	1
Written by	IL KYU, AN	Approved by	IN JAE, HWANG
Subject	Oil cooler		

Hyd. schematic of oil cooler



The oil cooler works to lower the temperature when the system temperature reaches about 55° C. Too high system temperature has bad effects on the seals and valves.

○ Possible failure causes

- ① Fuse failure (5F94)
- ② Wiring failure or bad connection to the solenoid valve
- ③ Solenoid valve coil failure
- ④ 55° or 90° sensor failure
- ⑤ Relay failure(5K40)

Caution ① : Do not give any physical shock to the radiator.

JUNJIN CONCRETE PUMP

SERVICE INFORMATION



JSI - EN - 05 - 8B - 001		Date	Feb 1st, 2005
Total Pages	2	Present Page	2
Written by	IL KYU, AN	Approved by	IN JAE, HWANG
Subject	Oil cooler		

- When the oil cooler keeps turing
 - ① Hyd. oil temperature reaches at 55° C.
 - ② Electric failure of 2 way valve coil
 - ③ Oil cooler switch is engaged on the main panel.
 - ④ Poor connection of electric connector
 - ⑤ Manual device of 2 way valve is released. (normally pushed)
- When the oil cooler does not have satisfying speed
 - ① Clean the 2 way valve up.
 - ② Clean the oil cooler relief valve up.
 - ③ Checking the specification of oil cooler motor
 - ④ Checking the specification of gear pump.(19cc/rev)
- When the oil cooler does not turn at all.
 - ① When the pressure is lower than 20 - 30 Bar installing a pressure gauge, check the gear pump.
 - ② When the pressure is higher than 20 - 30 Bar installing a pressure gauge, check the oil cooler motor.
 - ④ Check the manual device of 2 way valve.

■ Oil cooler motor specification

	M33	M37	M40	M42	M43	M50	M55	MOLI
Motor	RB04202						RB150	
Spec.	13CC/REV						9CC/REV	
Radiator	RB06101						RB8150	
Capacity	600L/MIN						600L/MIN	

Caution ① : The manual device of 2 way valve has to be pushed all the time.

JUNJIN HEAVY INDUSTRY SERVICE DEPARTMENT 428-1 Doosung-ri Maengdong-Myun Eumsung-Gun Chungbuk, Korea

Tel : (+82)43 877-3023 Fax : (+82)43 882-3023 E-MAIL : AS@JUNJINCONCRETEPUMPS.COM

© COPYRIGHT 2005 JUNJIN HEAVY INDUSTRY CO., LTD. ALL RIGHTS RESERVED