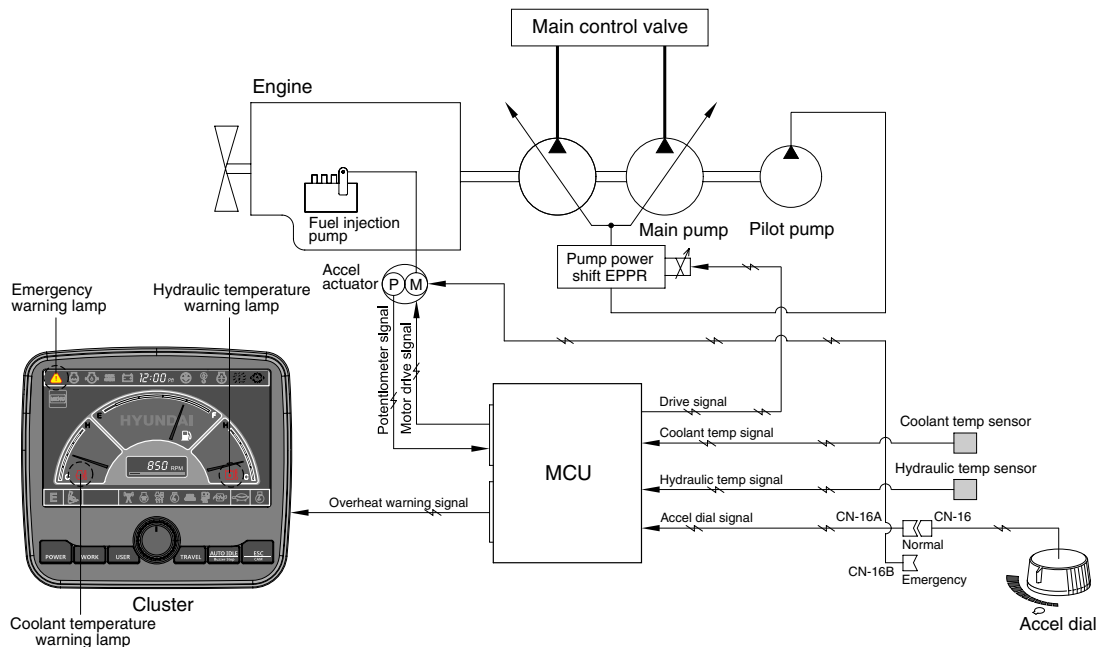


GROUP 7 ENGINE OVERHEAT PREVENTION SYSTEM (CLUSTER TYPE 1)



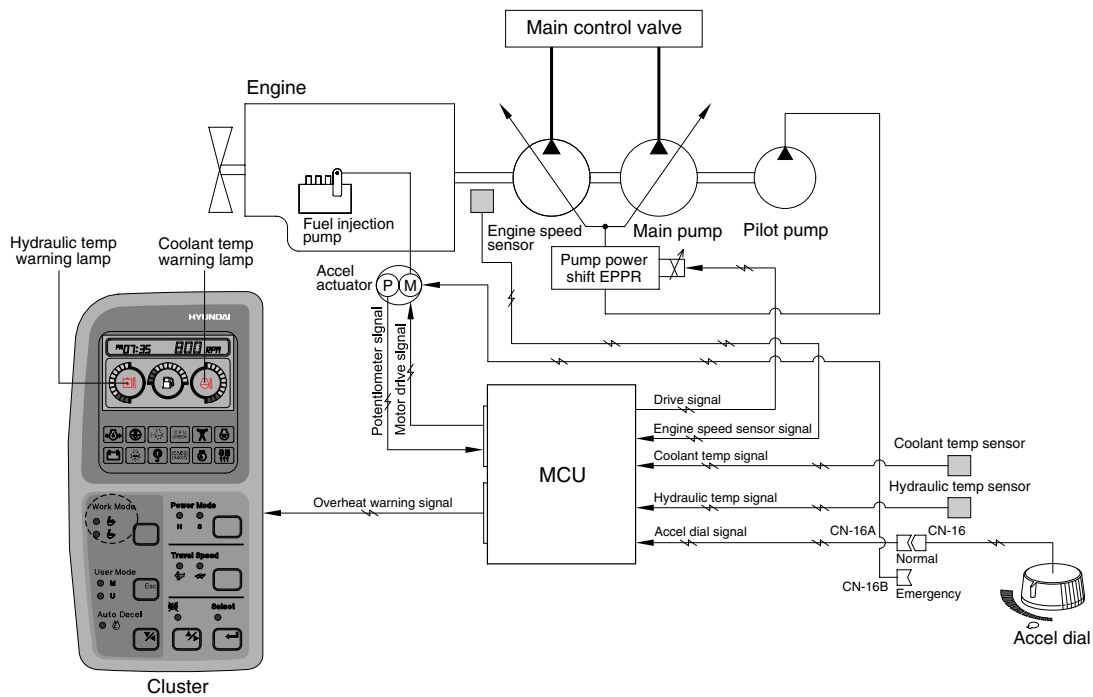
1409S5MS10

1. If the engine coolant temperature or the hydraulic oil temperature is overheated over 103°C, the warning lamp is ON and the pump input torque or the engine speed is reduced as below logic table.

2. LOGIC TABLE

Description		Condition	Function
First step warning	Activated	- Coolant or hydraulic oil temperature : Above 100°C	- Warning lamp buzzer : ON - Pump absorption torque is reduced.
	Canceled	- Coolant or hydraulic oil temperature : Less than 95°C	- Return to pre-set the pump absorption torque.
Second step warning	Activated	- Coolant or hydraulic oil temperature : Above 105°C	- Emergency warning lamp pops up on the center of LCD and the buzzer sounds. - Engine speed is reduced after 10 seconds.
	Canceled	- Coolant or hydraulic oil temperature : Less than 101°C	- Return to pre-set the engine speed. - Hold pump absorption torque on the first step warning.

ENGINE OVERHEAT PREVENTION SYSTEM (CLUSTER TYPE 2)



1409S5MS60

1. If the engine coolant temperature or the hydraulic oil temperature is overheated over 100°C, the warning lamp is ON and the pump input torque or the engine speed is reduced as below logic table.

2. LOGIC TABLE

Description		Condition	Function
First step warning	Activated	- Coolant or hydraulic oil temperature : Above 100°C	- Warning lamp : ON - Pump absorption torque is reduced.
	Canceled	- Coolant or hydraulic oil temperature : Less than 95°C	- Return to pre-set the pump absorption torque.
Second step warning	Activated	- Coolant or hydraulic oil temperature : Above 105°C	- Emergency warning lamp pops up on the center of LCD and the buzzer sounds. - Engine speed is reduced after 10 seconds.
	Canceled	- Coolant or hydraulic oil temperature : Less than 100°C	- Return to pre-set the engine speed. - Hold pump absorption torque on the first step warning.