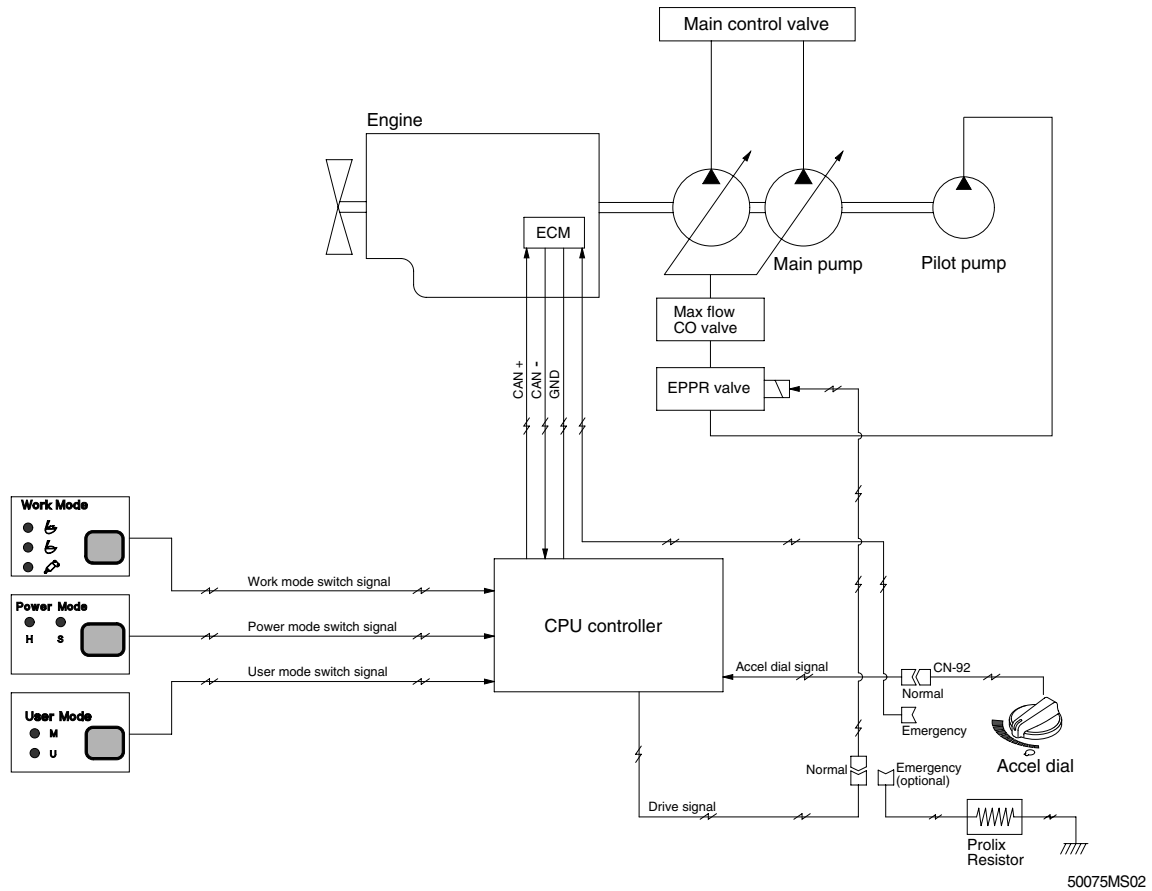


GROUP 2 MODE SELECTION SYSTEM

1. POWER MODE SELECTION SYSTEM



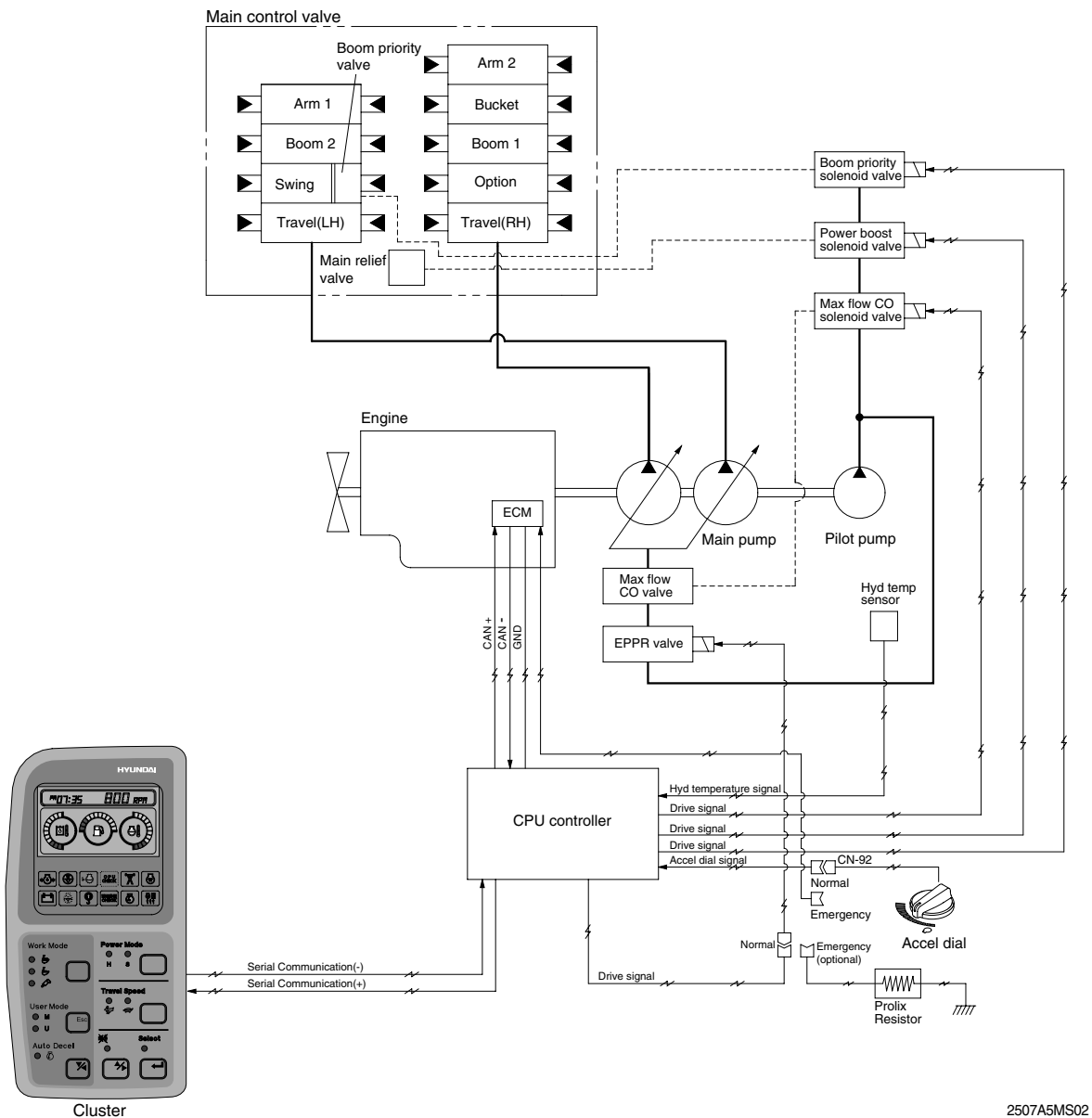
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

The combination of 2 power modes(H, S) and accel dial position(10 set) makes it possible to use the engine and pump power more effectively corresponding to the work conditions from a heavy and great power requesting work to a light and precise work.

Mode	Application	Power set (%)	Engine rpm				Power shift by EPPR valve			
			Default		Other case		Default		Other case	
			Unload	Load	Unload	Load	Current (mA)	Pressure (kgf/cm ²)	Current (mA)	Pressure (kgf/cm ²)
M	Maximum power	95	1950±50	1900	1950±50	1900	280±30	7	160±30	0
H	High power	85	1850±50	1800	1950±50	1900	320±30	10	230±30	4
S	Standard power	70	1750±50	1700	1850±50	1800	320±30	10	280±30	7
AUTO DECEL	Engine deceleration	-	1000±100	-	1000±100	-	700±30	35	700±30	35
One touch decel	Engine quick deceleration	-	850±100	-	850±100	-	700±30	35	700±30	35
KEY START	Key switch start position	-	850±100	-	850±100	-	700±30	35	700±30	35

2. WORK MODE SELECTION SYSTEM

3 work modes can be selected for the optional work speed of the machine operation.



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1) HEAVY DUTY WORK MODE

The boom priority solenoid is activated to make the boom operation speed faster.

2) GENERAL WORK MODE

When key switch is turned ON, this mode is selected and swing operation speed is faster than heavy duty work mode.

3) BREAKER OPERATION MODE

It sets the pump flow to the optimal operation of breaker by activating the max flow cut-off solenoid.

Work mode	Boom priority solenoid	Max flow cut-off solenoid
Heavy duty	ON	OFF
General	OFF	OFF
Breaker	OFF	ON

3. USER MODE SELECTION SYSTEM

An operator can change the engine and pump and memorize it for his preference.

Mode	Operation
U	High idle rpm, auto decel rpm EPPR pressure can be modulated and memorized separately

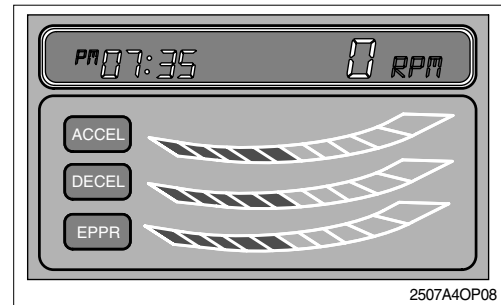
HOW TO MODULATE THE MEMORY SET

- 1) Each memory mode has a initial set which are mid-range of max engine speed, auto decel rpm, and EPPR valve input current.
- 2) High idle rpm, auto decel rpm, EPPR pressure can be modulated and memorized separately in the U-mode.

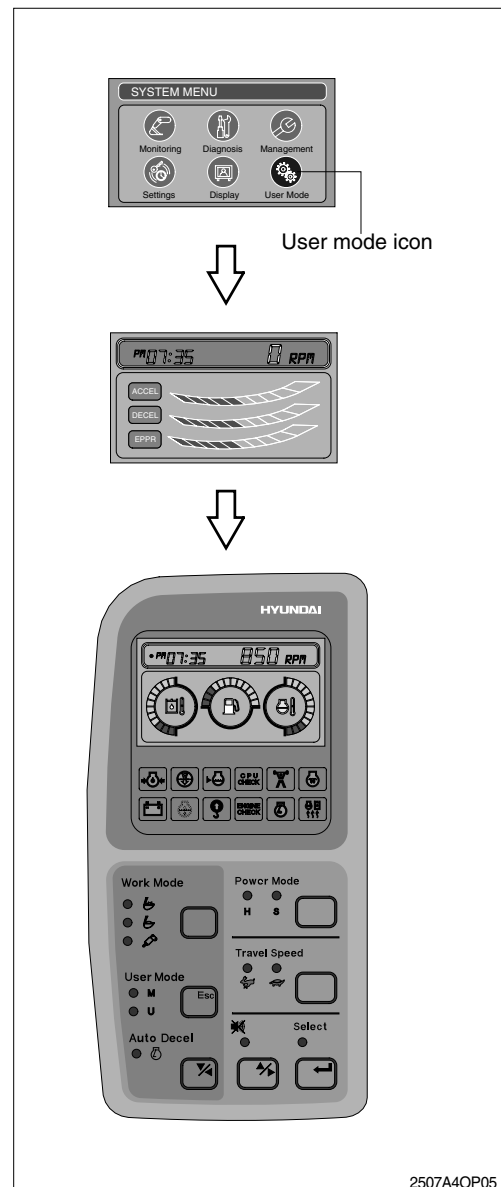
※ Refer to the page 5-37 for set of user mode.

· LCD segment vs parameter setting

Segment ()	ACCEL (rpm)	DECEL (rpm)	EPPR (mA)
1	1500	700	150
2	1550	800	200
3	1600	850	250
4	1650	900	300
5	1700	950	350
6	1750	Decel rpm(1000)	400
7	1800	1050	450
8	1850	1100	500
9	1900	1150	550
10	1950	1200	600



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2507A4OP05