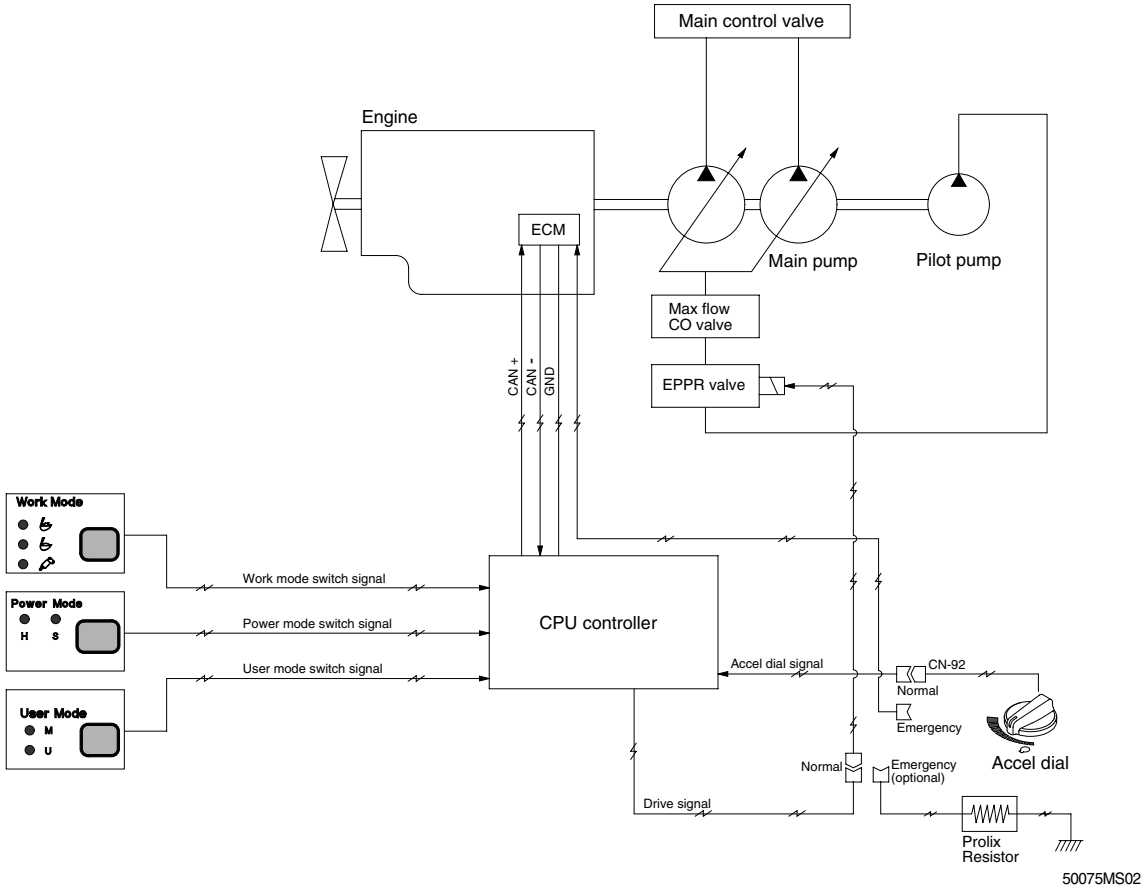
GROUP 2 MODE SELECTION SYSTEM

1. POWER MODE SELECTION SYSTEM



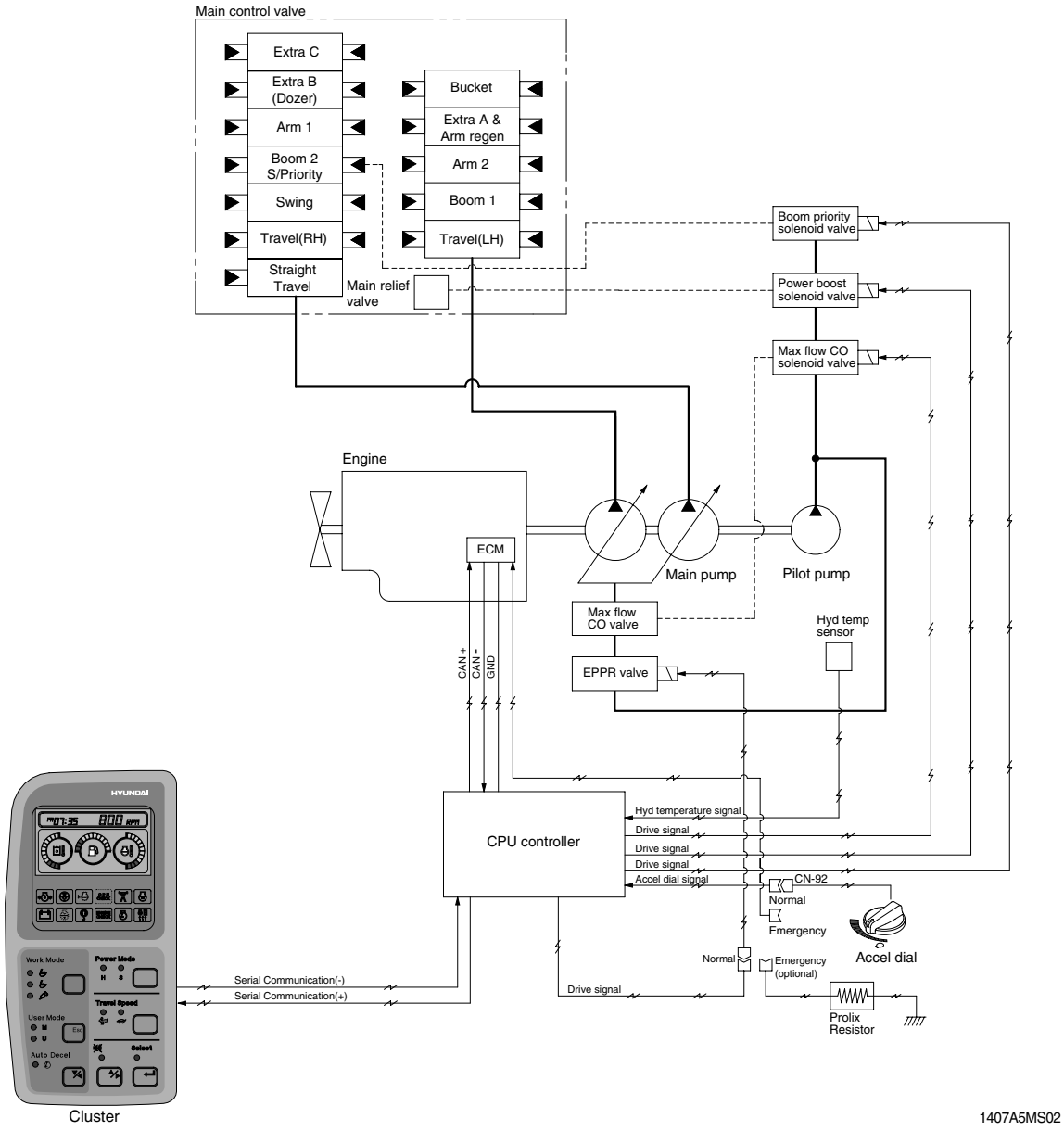
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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	2100±50	2000	2100±50	2000	250±30	5	160±30	0
H	High power	85	1900±50	1800	2000±50	1900	290±30	8	250±30	5
S	Standard power	70	1800±50	1700	1900±50	1800	290±30	8	290±30	8
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.



1) HEAVY DUTY WORK MODE

Boom and arm operation speed faster than general work mode.

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	Swing priority solenoid	Max flow cut-off solenoid
Heavy duty	OFF	OFF
General	ON	OFF
Breaker	OFF	ON

3. USER MODE SELECTION SYSTEM

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

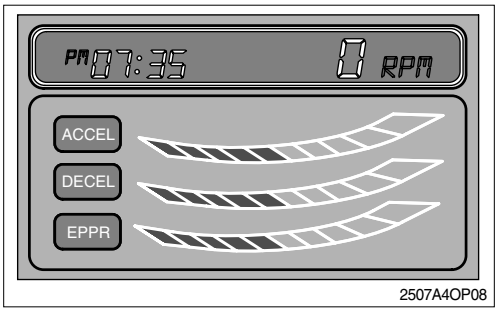
Mode	Operation
U	High idle rpm, auto decel rpm EPPR pressure can be modulated and memorized separately

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 5-30 for set of user mode.



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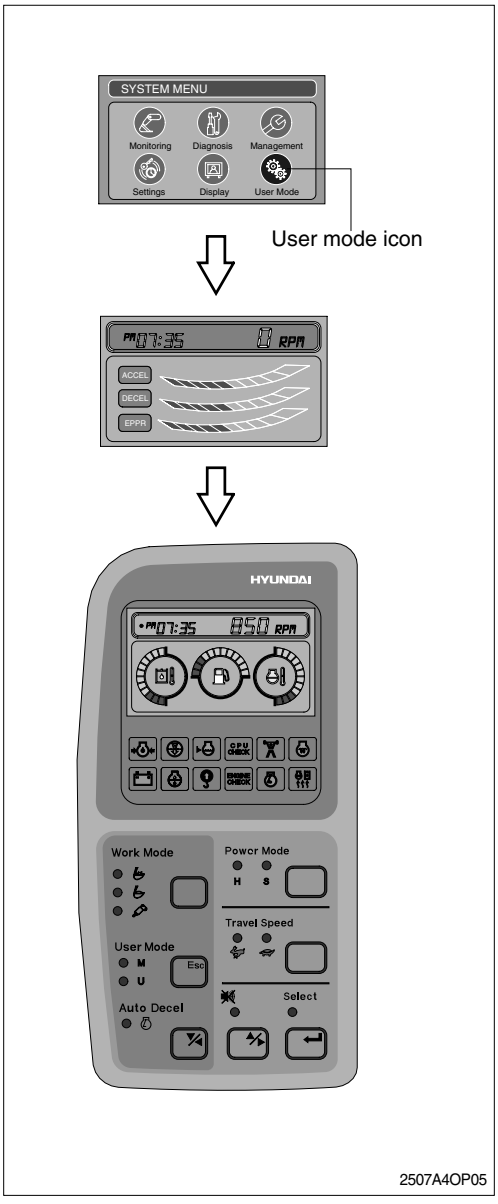
· LCD segment vs parameter setting

Segment (▮)	ACCEL (rpm)	DECEL (rpm)	EPPR (mA)
1	1650	800	150
2	1700	Low idle(850)	200
3	1750	900	250
4	1800	950	300
5	1850	Decel rpm(1000)	350
6	1900	1050	400
7	1950	1100	450
8	2000	1150	500
9	2050	1200	550
10	2100	1250	600



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