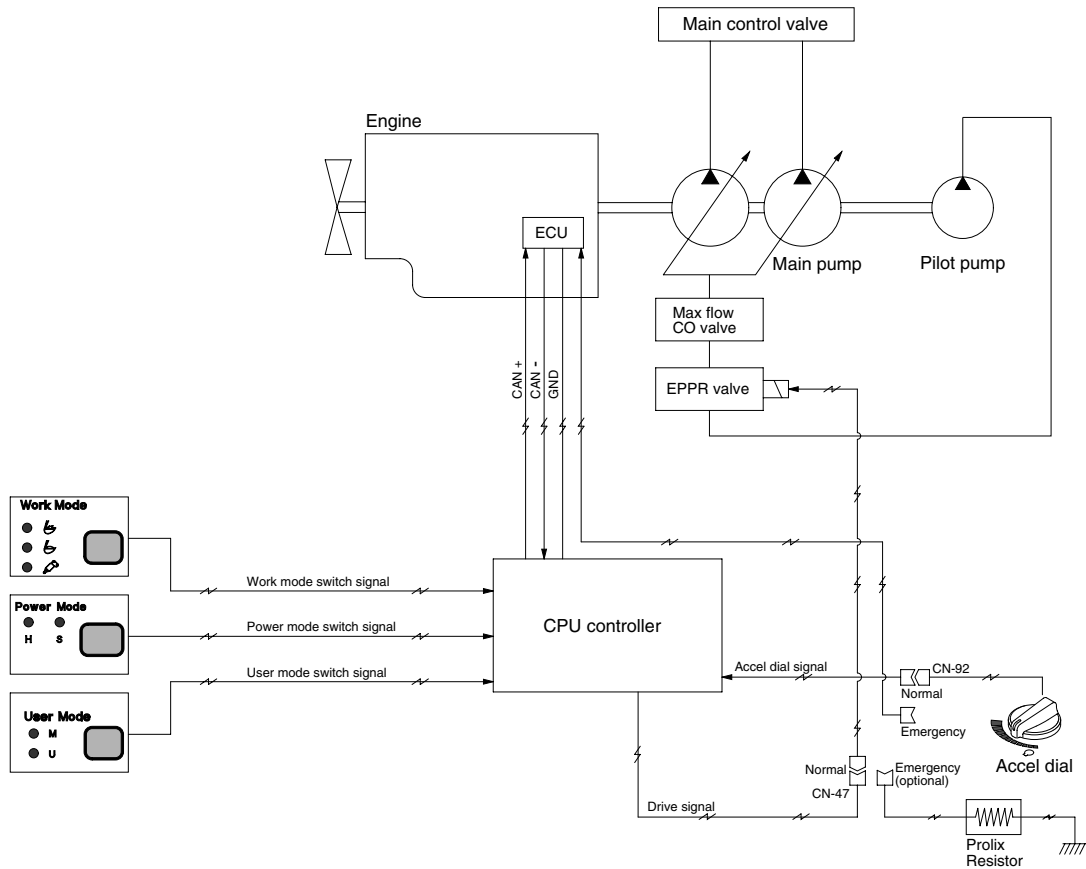


# GROUP 2 MODE SELECTION SYSTEM

## 1. POWER MODE SELECTION SYSTEM



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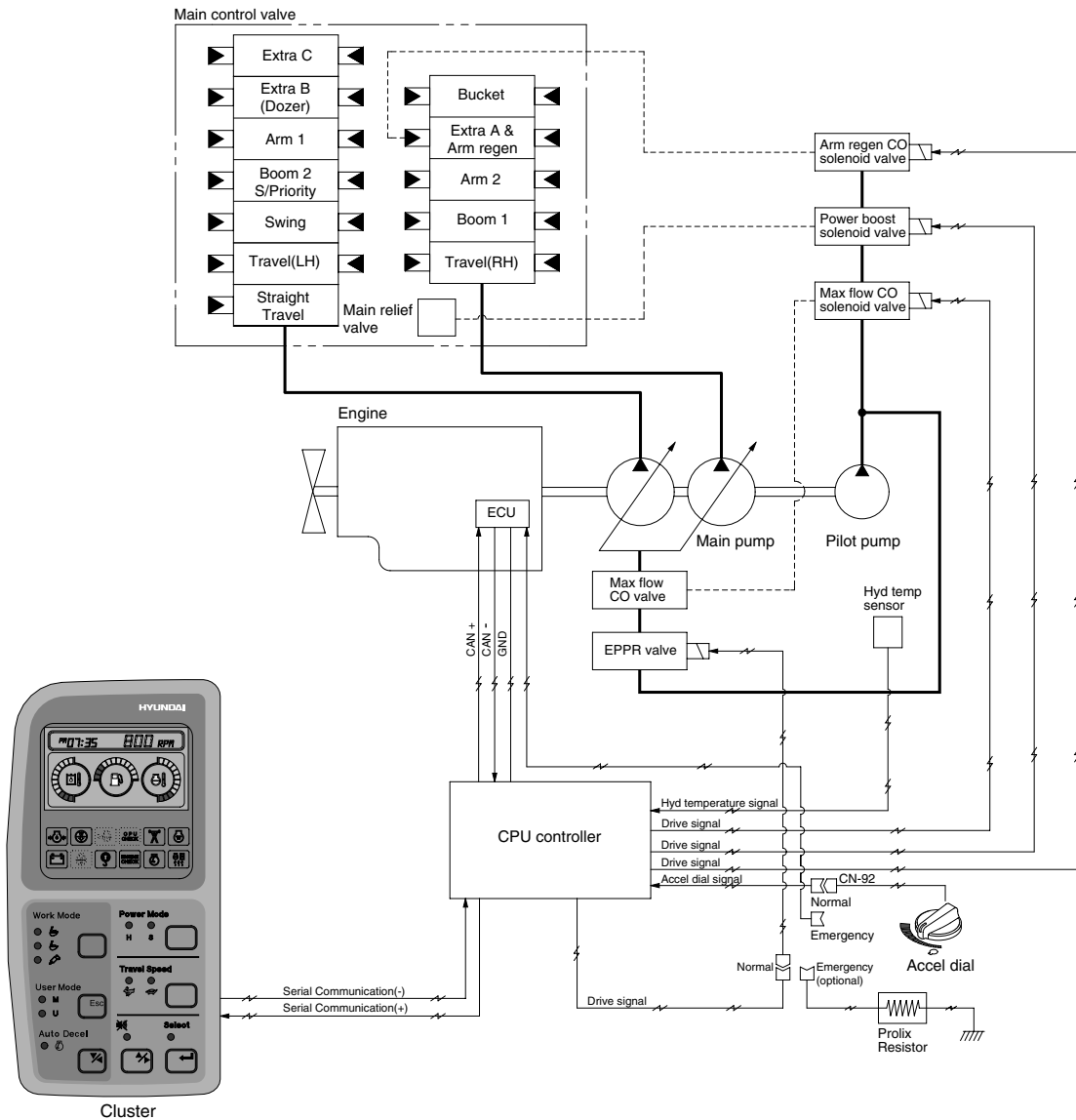
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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	Engine rpm				Power shift by EPPR valve			
		Ver 3.1(STD)		Ver 4.1(OPT)		Ver 3.1(STD)		Ver 4.1(OPT)	
		Unload	Load	Unload	Load	Current (mA)	Pressure (kgf/cm <sup>2</sup> )	Current (mA)	Pressure (kgf/cm <sup>2</sup> )
M	Maximum power	2100±50	2000	2100±50	2000	219±30	4	160	0
H	High power	1900±50	1800	2000±50	1900	219±30	10	219	4
S	Standard power	1800±50	1700	1900±50	1800	322±30	10	350	12
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

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 power and memorize it for his preference.

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

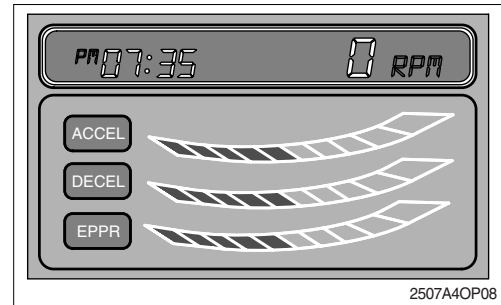
#### HOW TO MODULATE THE MEMORY SET

- 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.

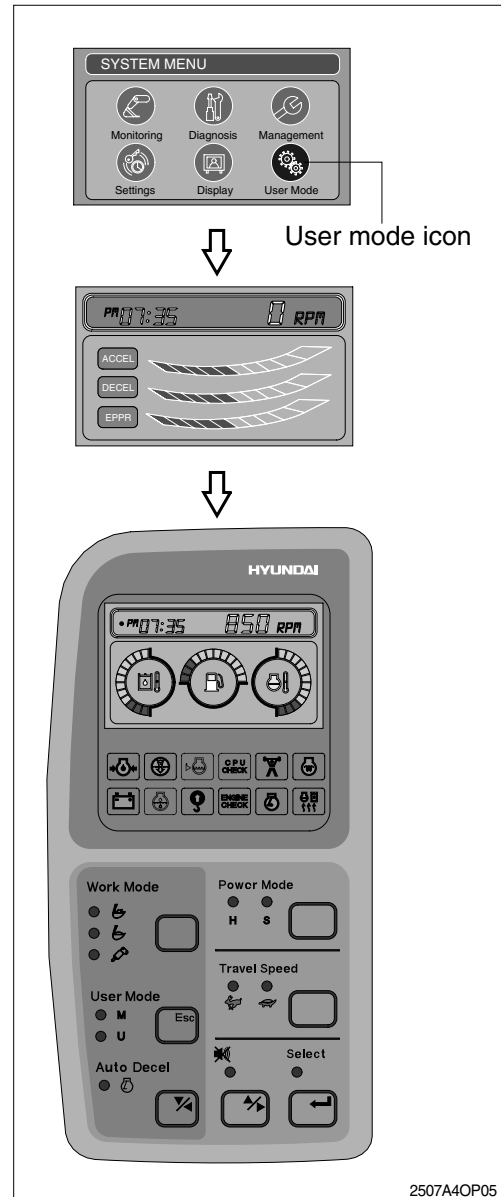
※ Refer to the page 5-30 for set of user mode.

· LCD segment vs parameter setting

Segment (   )	ACCEL (rpm)	DECEL (rpm)	EPPR (mA)
1	1650	Low idle(800)	137
2	1700	850	192
3	1750	900	235
4	1800	950	281
5	1850	Decel rpm(1000)	329
6	1900	1050	379
7	1950	1100	428
8	2000	1150	478
9	2050	1200	528
10	2100	1250	638



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