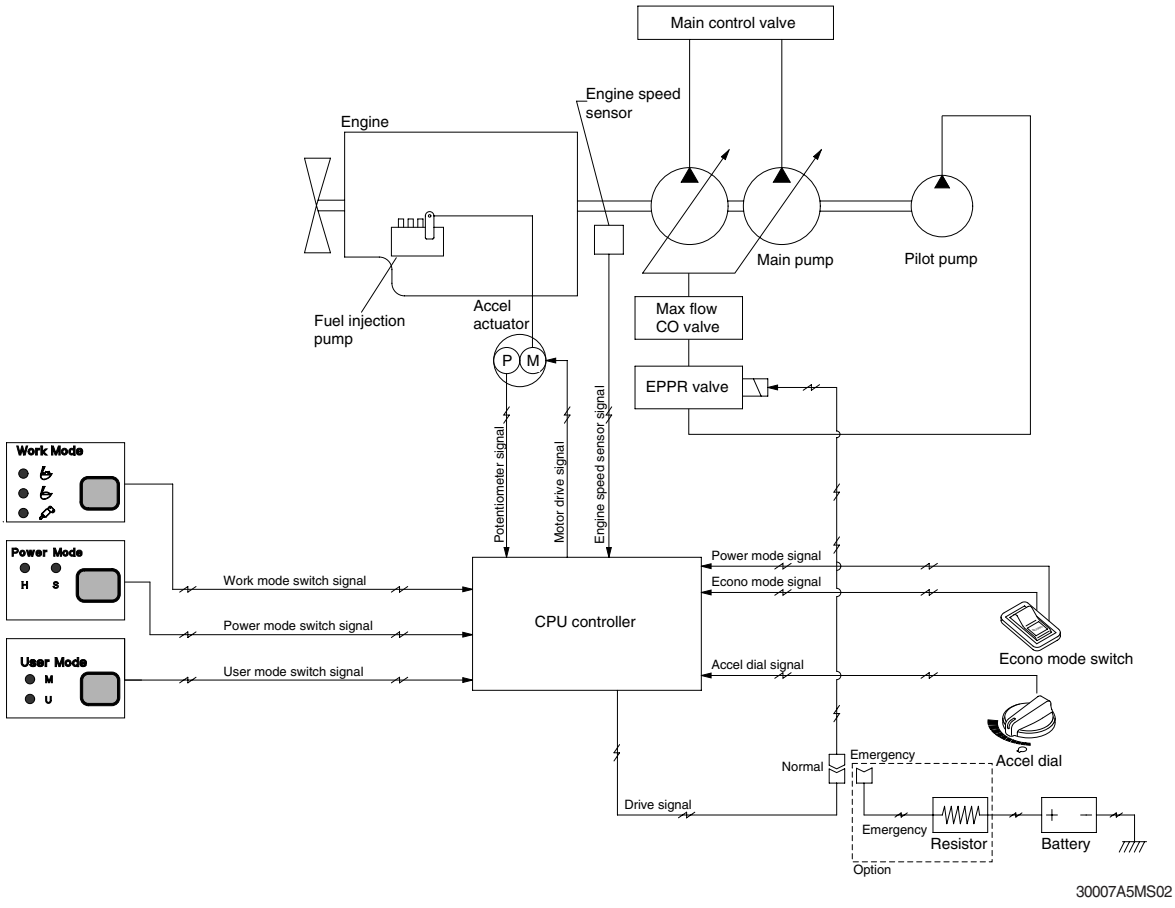
GROUP 2 MODE SELECTION SYSTEM

1. POWER MODE SELECTION SYSTEM



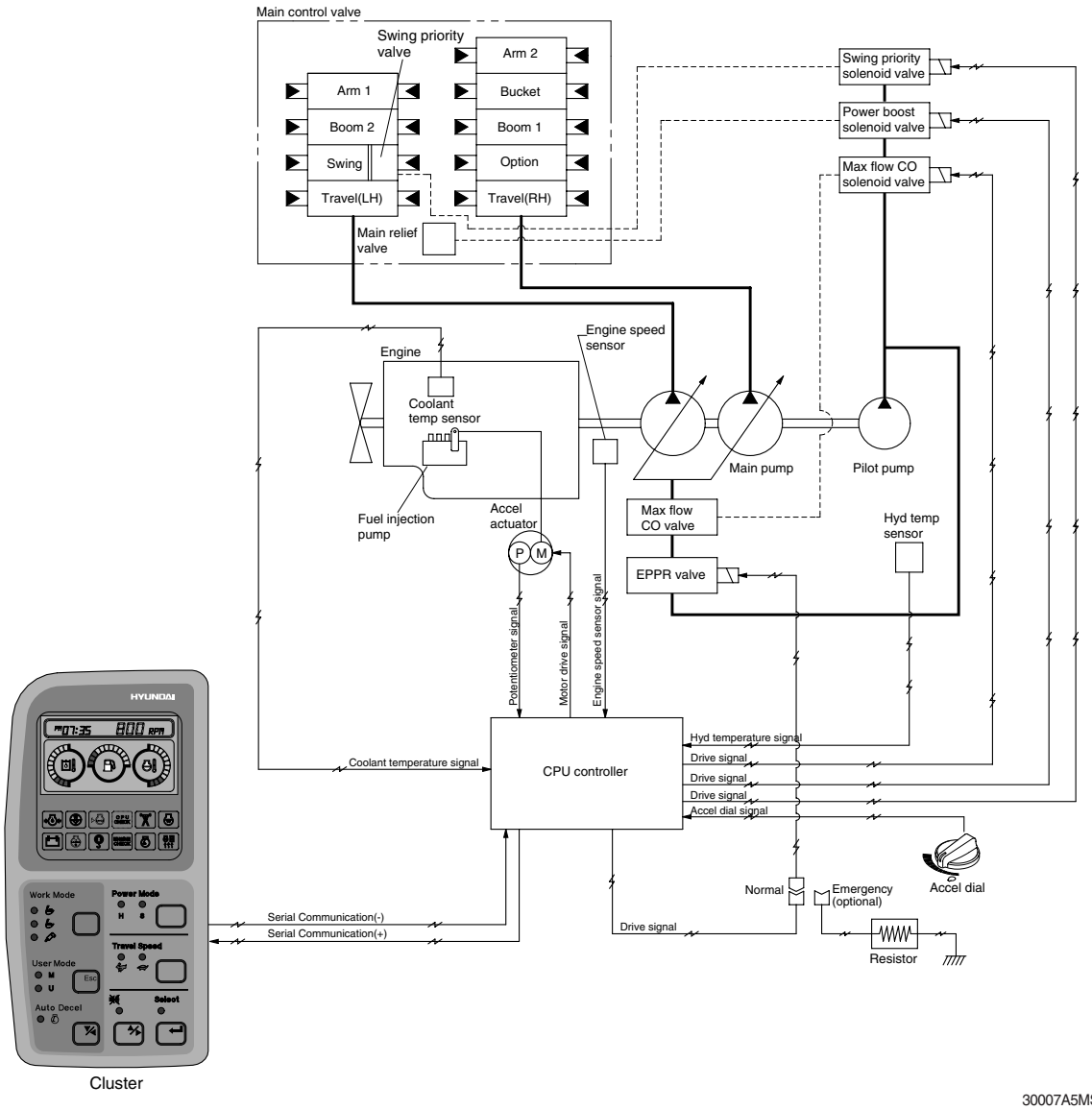
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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	
			Unload	Load	Current (mA)	Pressure (kgf/cm^2)	Current (mA)	Pressure (kgf/cm^2)
M	Maximum power	95	2050±50	1900	250±30	5	160	0
H	High power	85	1850±50	1700	280±30	7	250	5
S	Standard power	70	1750±50	1600	280±30	7	280	7
AUTO DECEL	Engine deceleration	-	1200±100	-	600±30	31	500±30	20
One touch decel	Engine quick deceleration	-	750±100	-	680±30	35	680±30	35
KEY START	Key switch start position	-	750±100	-	680±30	35	680±30	35
ECONO	ECONO switch "ON"	-	1400±100	-	280±30	7	280±30	7

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

The heavy duty work solenoid is deactivated to make the arm 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	Swing 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.

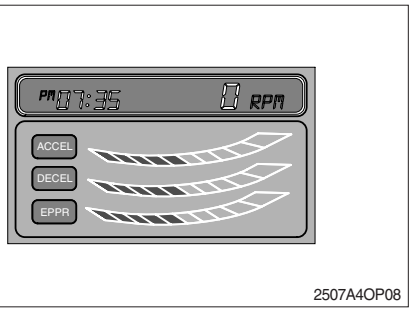
Mode	Operation
U	High idle rpm, auto decel rpm EPPR pressure can be modulated and memorized separately

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 5-32 for set of user mode.**



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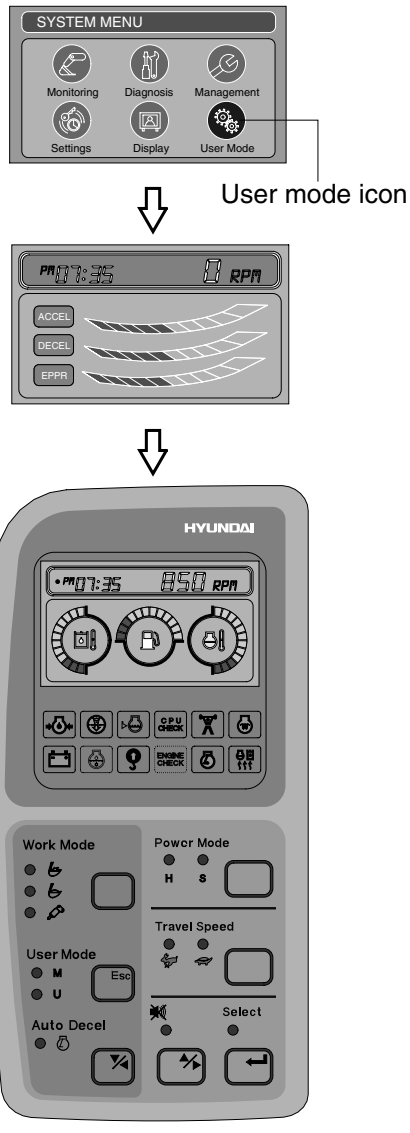
· LCD segment vs parameter setting

Segment (▮)	ACCEL (rpm)	DECEL (rpm)	EPPR (mA)
1	1200	Low idle(700)	150
2	1300	750	200
3	1400	800	250
4	1500	850	300
5	1600	900	350
6	1700	950	400
7	1800	1000	450
8	1900	Decel rpm(1050)	500
9	2000	1100	550
10	2050	1150	600



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