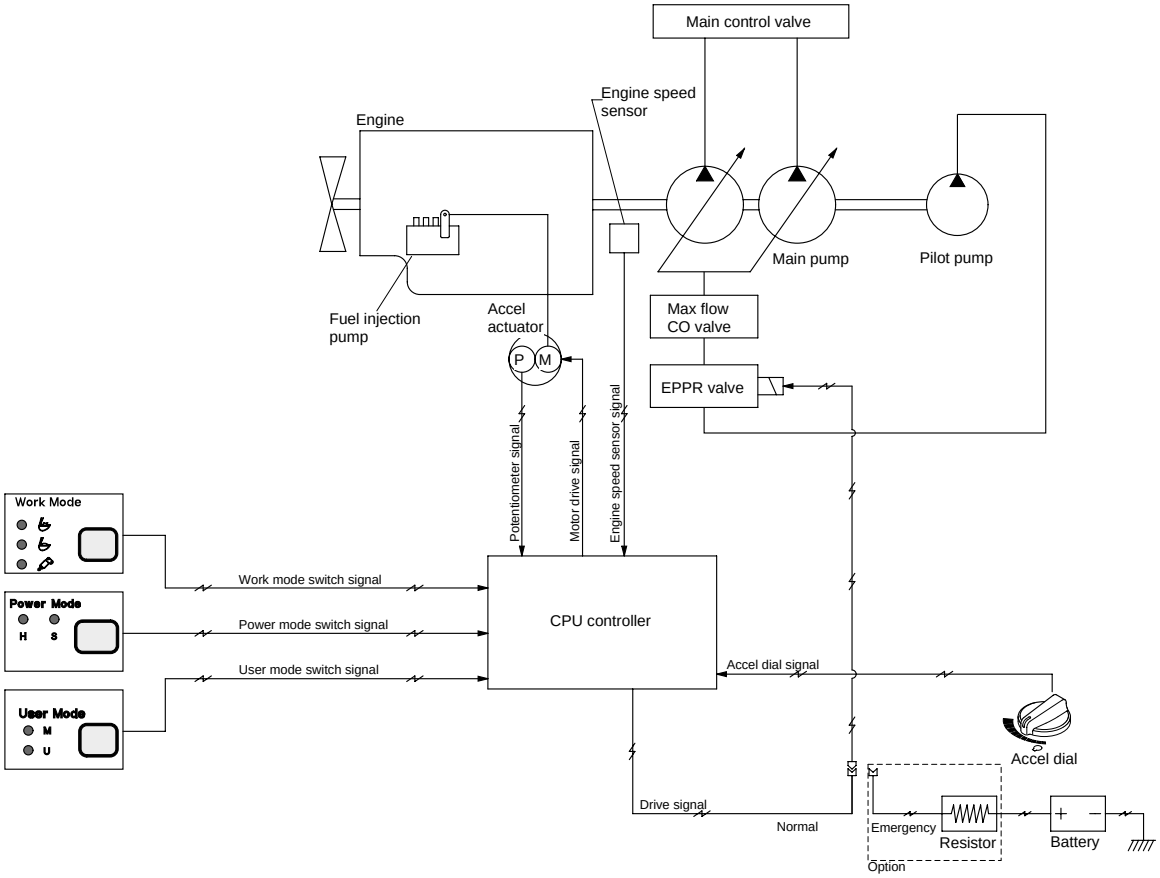
GROUP 2 MODE SELECTION SYSTEM

1. POWER MODE SELECTION SYSTEM



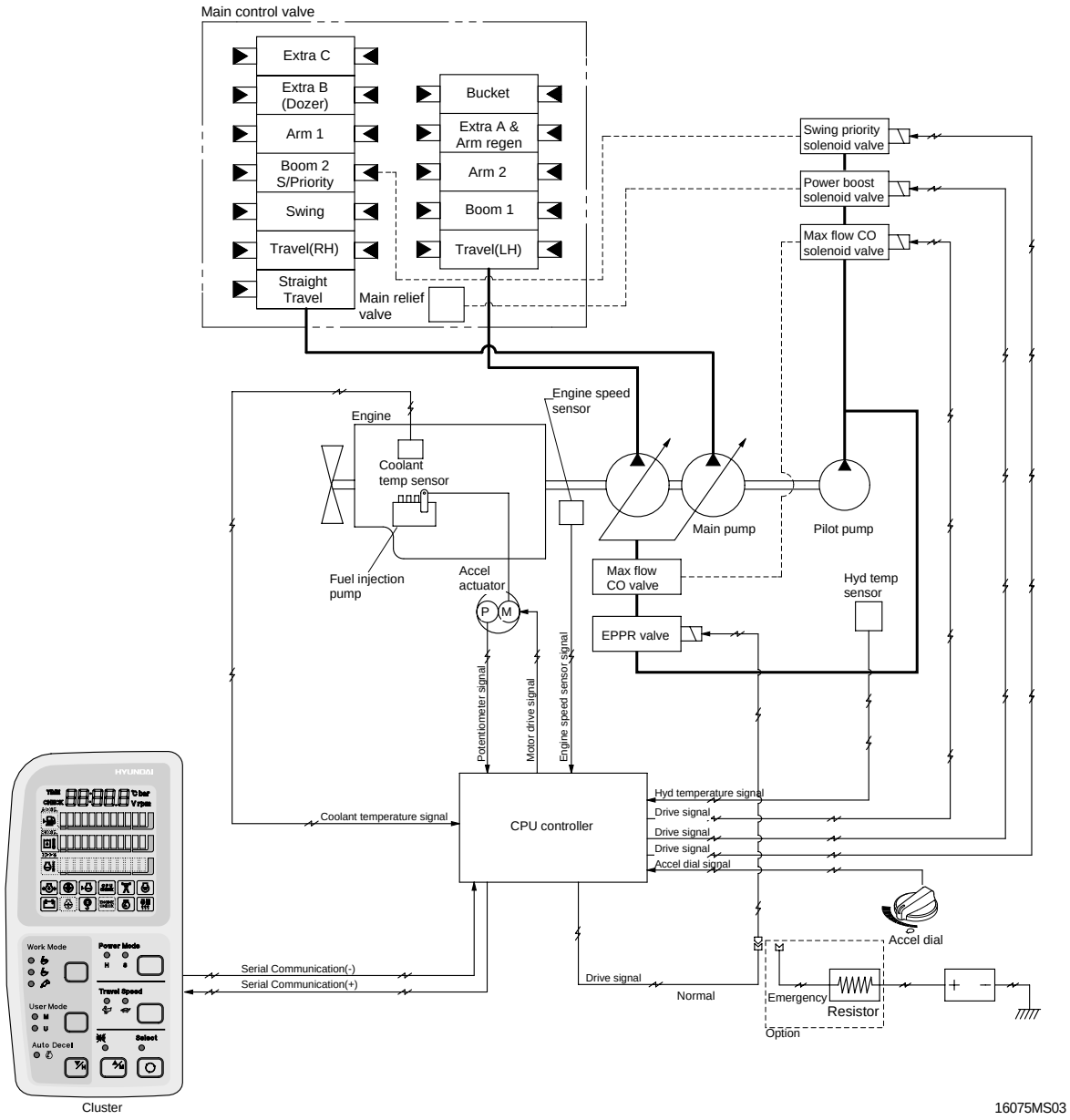
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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	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	2200	2000	2200	2000	219±30	4	130	0
H	High power	2000±50	1800	2100	1900	310±30	10	219	4
S	Standard power	1900±50	1700	2000	1800	310±30	10	350	12
AUTO DECEL	Engine deceleration	1200±100	-	1200±100	-	600±30	30	600±30	30
One touch decel	Engine quick deceleration	950±100	-	950±100	-	700±30	35	700±30	35
KEY START	Key switch start position	950±100	-	950±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.

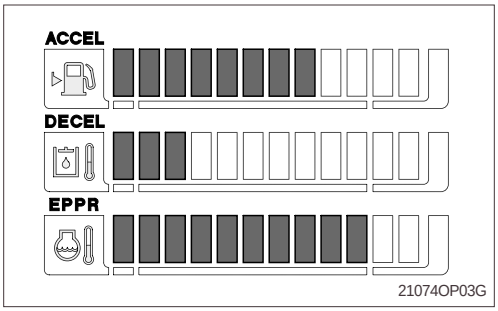
Work mode	Swing priority solenoid	Max flow cut-off solenoid
Heavy duty	OFF	OFF
General	ON	OFF
Breaker	OFF	ON

3. USER MODE SELECTION SYSTEM

Through 2 memory sets of MI and MII, 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. When you select MI or MII, cluster LCD displays.

2) To change the engine high idle speed, press the USER mode switch and SELECT switch at the same time and then ACCEL blinks at 0.5 seconds interval.
   - By pressing ▲ or ▼ switch, ▮ will increase or decrease.

3) To change DECEL rpm, press the USER mode switch and SELECT switch once more and then DECEL blinks at 0.5 seconds interval.
   - By pressing ▲ or ▼ switch, ▮ will increase or decrease.

4) To change EPPR current, press the USER mode switch and SELECT switch one more and then EPPR blinks at 0.5 seconds interval.
   - By pressing ▲ or ▼ switch, ▮ will increase or decrease.

· LCD segment vs parameter setting

Segment (▮)	ACCEL (rpm)	DECEL (rpm)	EPPR (mA)
1	High idle-750	Low idle(950)	150
2	High idle-700	1000	200
3	High idle-650	1050	250
4	High idle-600	1100	300
5	High idle-500	1150	350
6	High idle-400	Decel rpm(1200)	400
7	High idle-300	1250	450
8	High idle-200	1300	500
9	High idle-100	1350	550
10	High idle	1400	600

5) To memorize the final setting, press the USER mode switch and SELECT switch one more time.