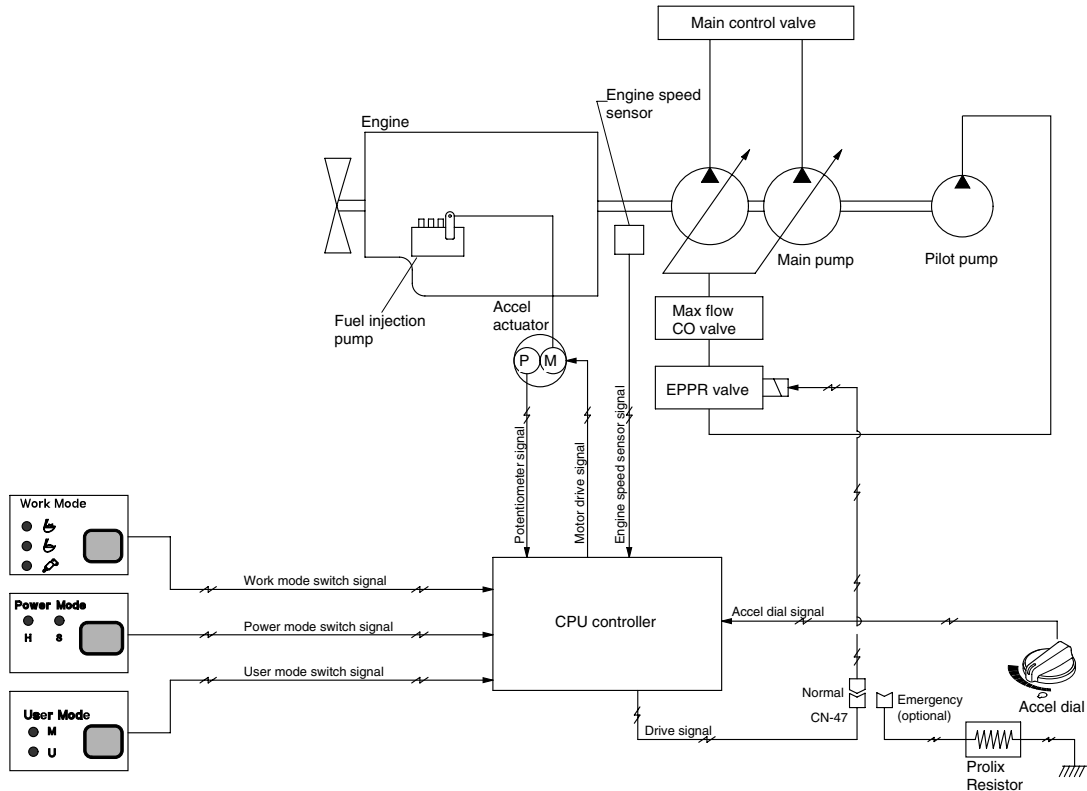


# GROUP 2 MODE SELECTION SYSTEM

## 1. POWER MODE SELECTION SYSTEM



30575MS02

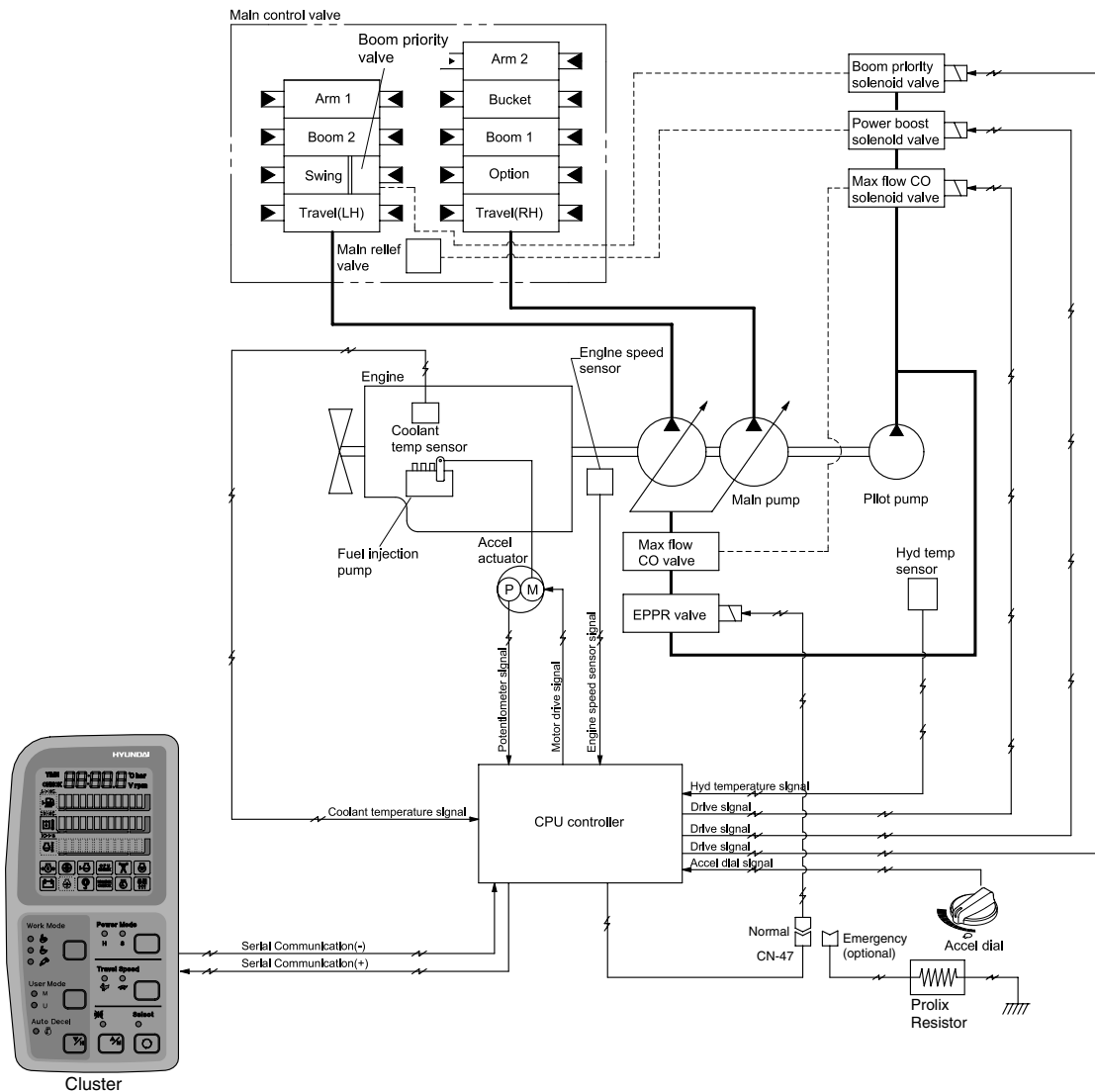
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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			
			Unload	Load	Default		Other case	
					Current (mA)	Pressure (kgf/cm <sup>2</sup> )	Current (mA)	Pressure (kgf/cm <sup>2</sup> )
H	High power	100	1950 ± 50	1900	340 ± 30	11	270	7
S	Standard power	85	1850 ± 50	1800	340 ± 30	11	210	3
AUTO DECEL	Engine deceleration	-	1200 ± 100	-	670 ± 30	31	670 ± 30	31
One touch decel	Engine quick deceleration	-	1100 ± 100	-	710 ± 30	35	710 ± 30	35
KEY START	Key switch start position	-	1100 ± 100	-	710 ± 30	35	710 ± 30	35

## 2. WORK MODE SELECTION SYSTEM

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



30575MS03

### 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) User mode has a initial set which are mid-range of max engine speed, auto decel rpm, and EPPR valve input current. When you select U 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	1600	Low idle	150
		1100	
2	1650	1150	200
3	1700	1200	250
4	1750	1250	300
5	1800	Decel rpm	350
		1300	
6	1850	1350	400
7	1900	1400	450
8	1950	1450	500
9	2000	1500	550
10	2100	1550	600

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

