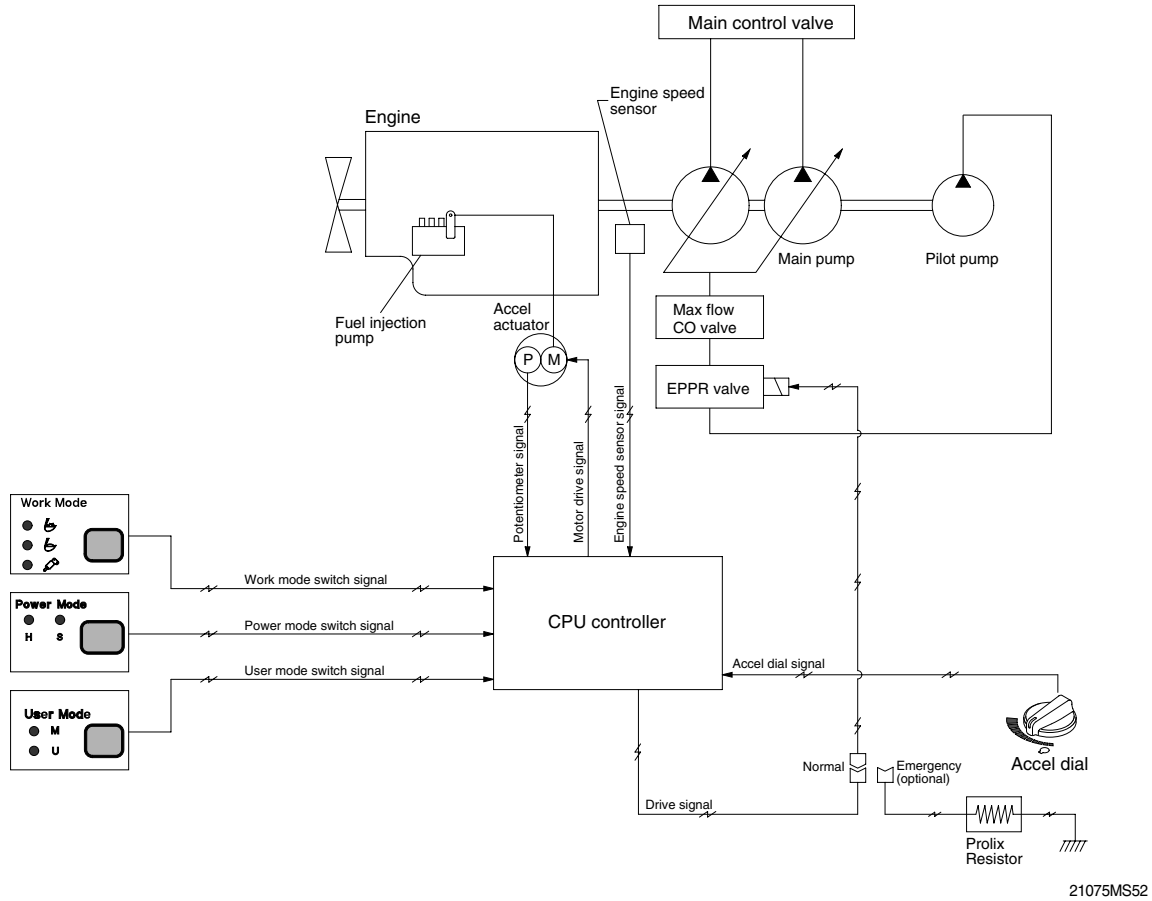


# GROUP 2 MODE SELECTION SYSTEM

## 1. POWER MODE SELECTION SYSTEM



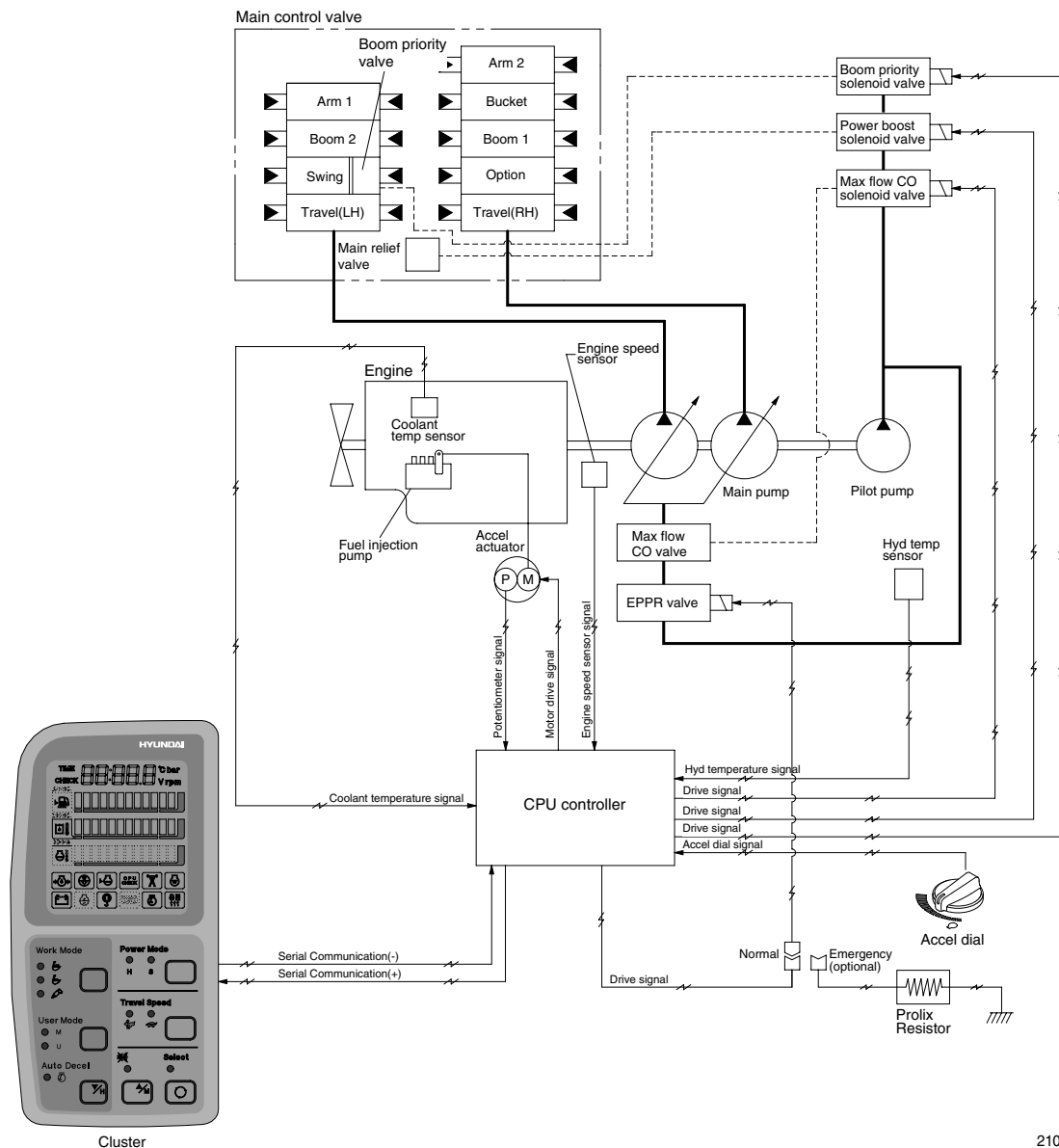
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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			
			Unload	Load	Default		Other case	
					Current (mA)	Pressure (kgf/cm <sup>2</sup> )	Current (mA)	Pressure (kgf/cm <sup>2</sup> )
M	Maximum power	95	2150 ± 100	1950	225 ± 30	4.2	160	0
H	High power	85	2050 ± 100	1850	225 ± 30	4.2	280	7
S	Standard power	70	1900 ± 100	1700	270 ± 30	6.7	325	10
AUTO DECEL	Engine deceleration	-	1200 ± 100	-	680 ± 30	35	680 ± 30	35
One touch decel	Engine quick deceleration	-	900 ± 100	-	680 ± 30	35	680 ± 30	35
KEY START	Key switch start position	-	900 ± 100	-	680 ± 30	35	680 ± 30	35

## 2. WORK MODE SELECTION SYSTEM

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



21075MS53

### 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	1250	Low idel (900)	150
2	1350	950	200
3	1450	1000	250
4	1550	1100	300
5	1650	Decel rpm(1200)	350
6	1750	1250	400
7	1850	1300	450
8	1950	1350	500
9	2050	1400	550
10	2150	1450	600

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

