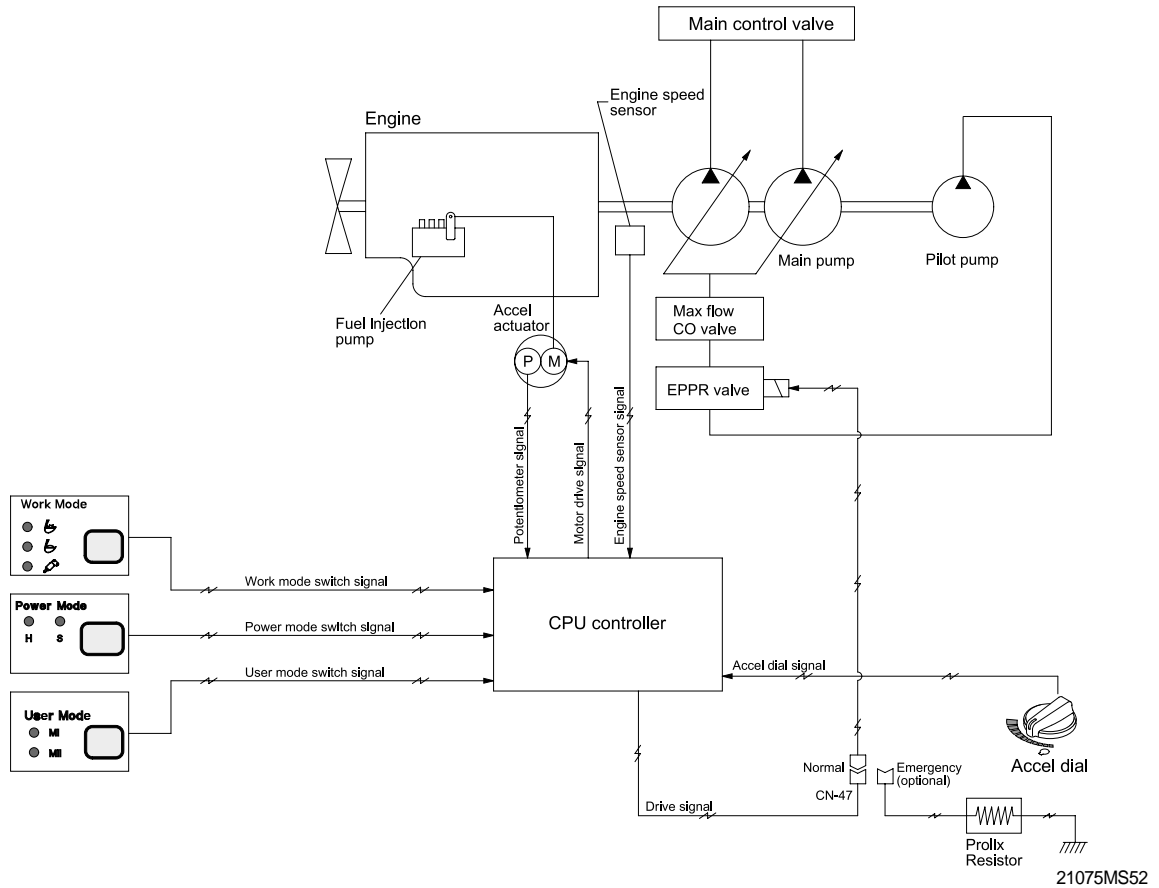


# GROUP 2 MODE SELECTION SYSTEM

## 1. POWER MODE SELECTION SYSTEM



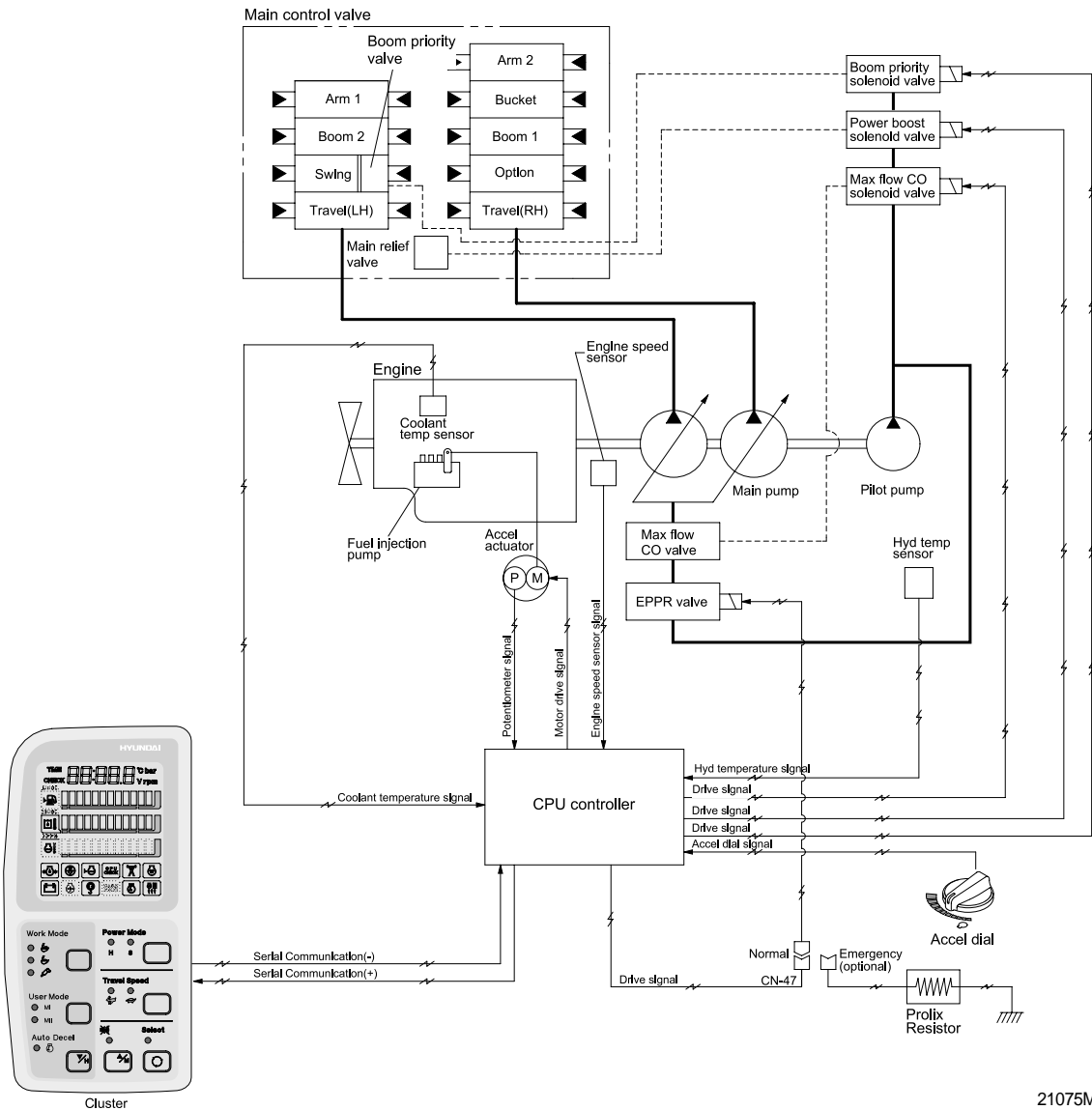
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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	Ver 5.X(STD)				Ver 6.X(OPT)			
		E/G RPM		Power shift EPPR		E/G RPM		Power shift EPPR	
		Unload	Load	Current (mA)	Pressure (kg/cm <sup>2</sup> )	Unload	Load	Current (mA)	Pressure (kg/cm <sup>2</sup> )
H	High power	2150 ± 50	1950	190 ± 30	2.5	2050	1850	220 ± 30	4
S	Standard power	2050 ± 50	1850	290 ± 30	8	1950	1750	260 ± 30	6
AUTO DECEL	Engine deceleration	1200 ± 100	-	600 ± 30	31	600 ± 30	-	600 ± 30	31
One touch decel	Engine quick deceleration	1050 ± 100	-	680 ± 30	35	680 ± 30	-	680 ± 30	35
KEY START	Key switch start position	1050 ± 100	-	680 ± 30	35	680 ± 30	-	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

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
MI (Memory mode 1)	High idle rpm, auto decel rpm
MII (Memory mode 2)	EPPR pressure can be modulated and memorized separately

#### HOW TO MODULATE THE MEMORY SET

- 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.
- 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.
- 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.
- 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-900	Low idle 1050	150
2	High idle-800	1100	200
3	High idle-700	1150	250
4	High idle-600	Decel rpm 1200	300
5	High idle-500	1250	350
6	High idle-400	1300	400
7	High idle-300	1350	450
8	High idle-200	1400	500
9	High idle-100	1450	550
10	High idle	1500	600

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

