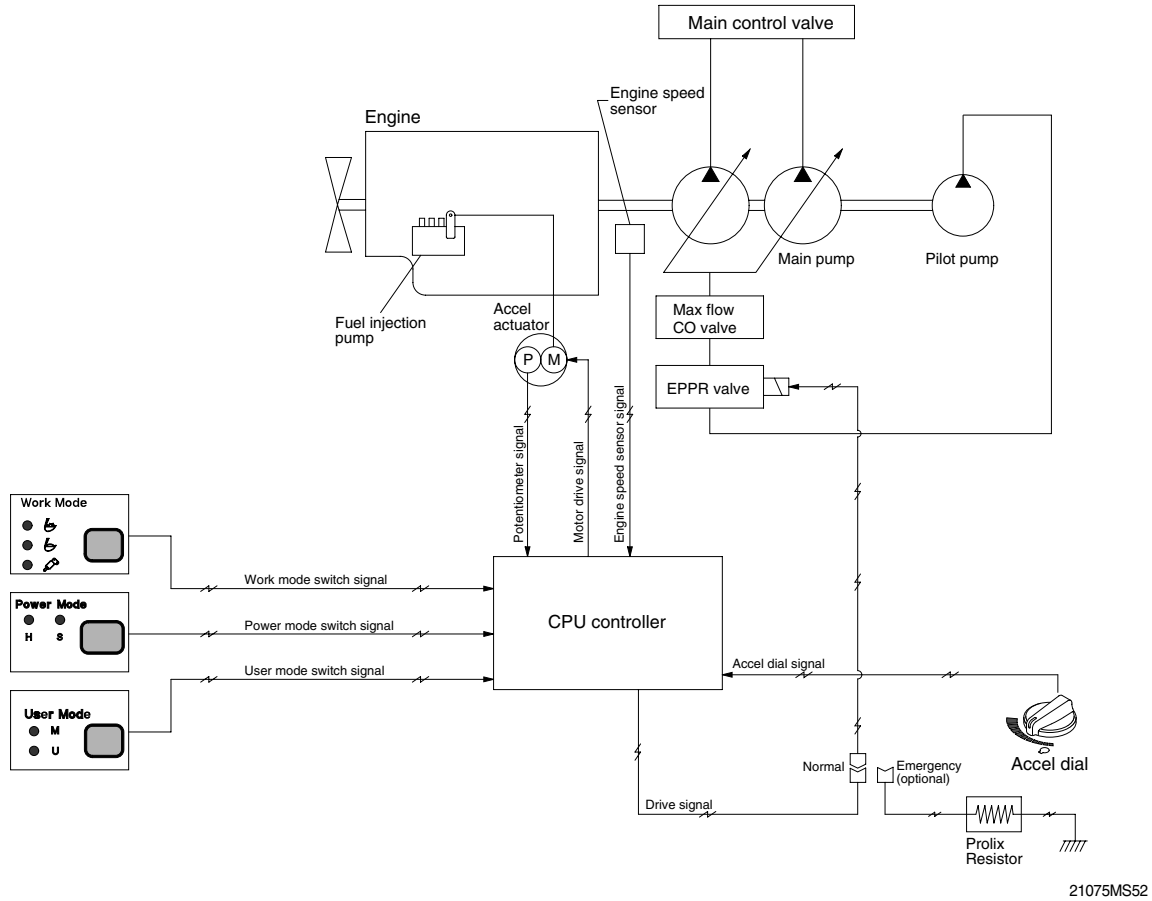


GROUP 2 MODE SELECTION SYSTEM

1. POWER MODE SELECTION SYSTEM



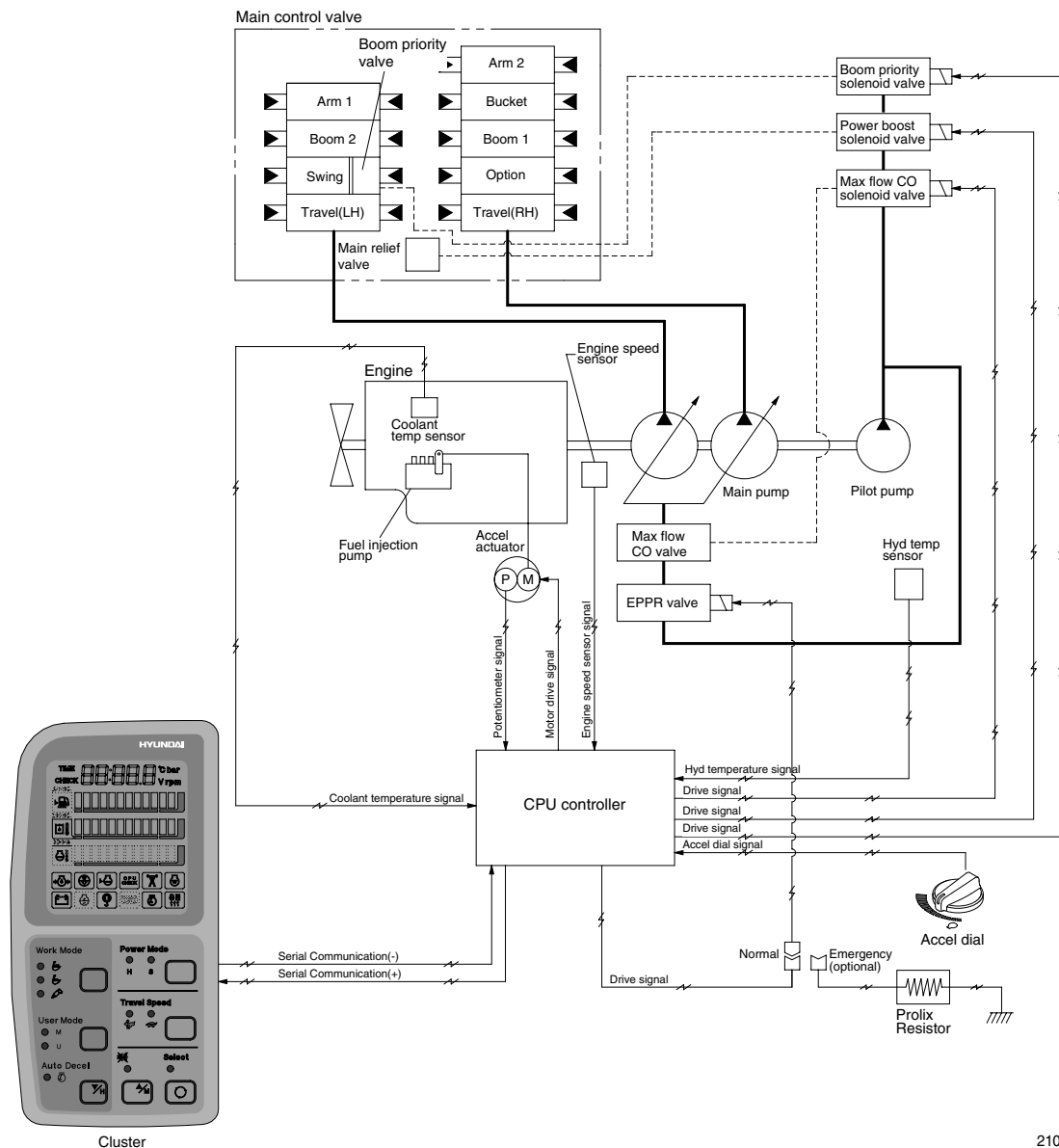
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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 ²)	Current (mA)	Pressure (kgf/cm ²)
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.

