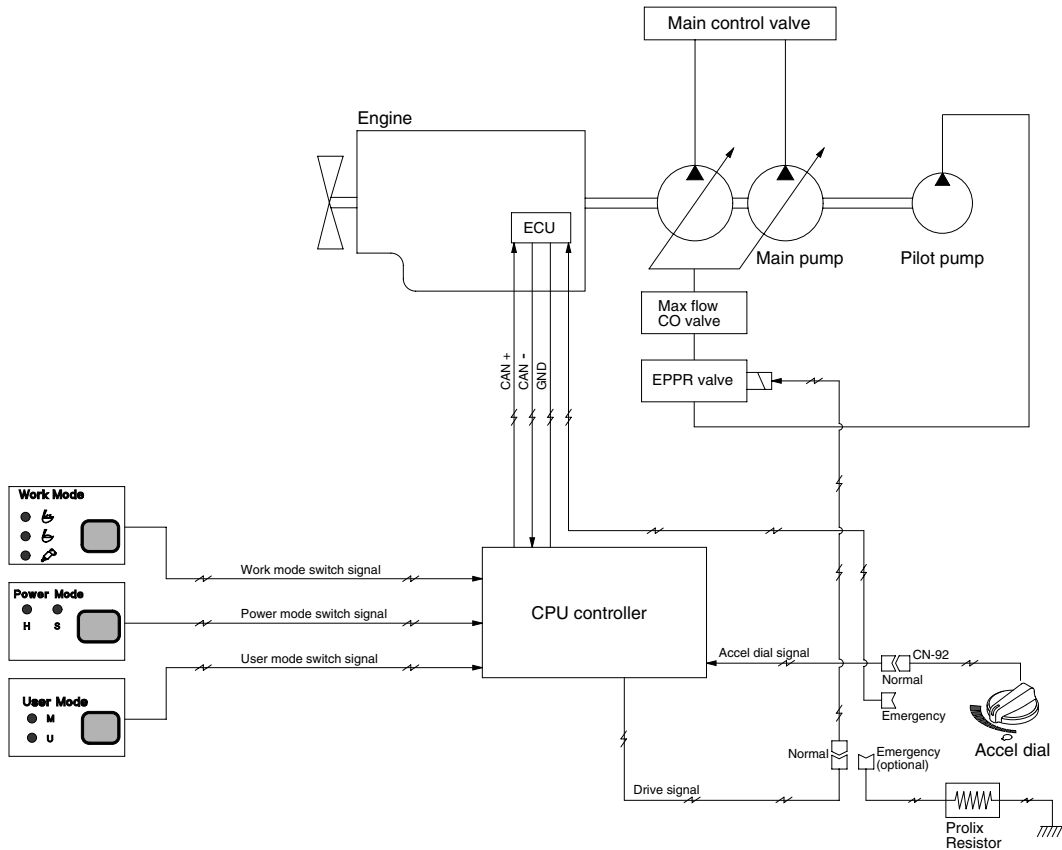


# GROUP 2 MODE SELECTION SYSTEM

## 1. POWER MODE SELECTION SYSTEM



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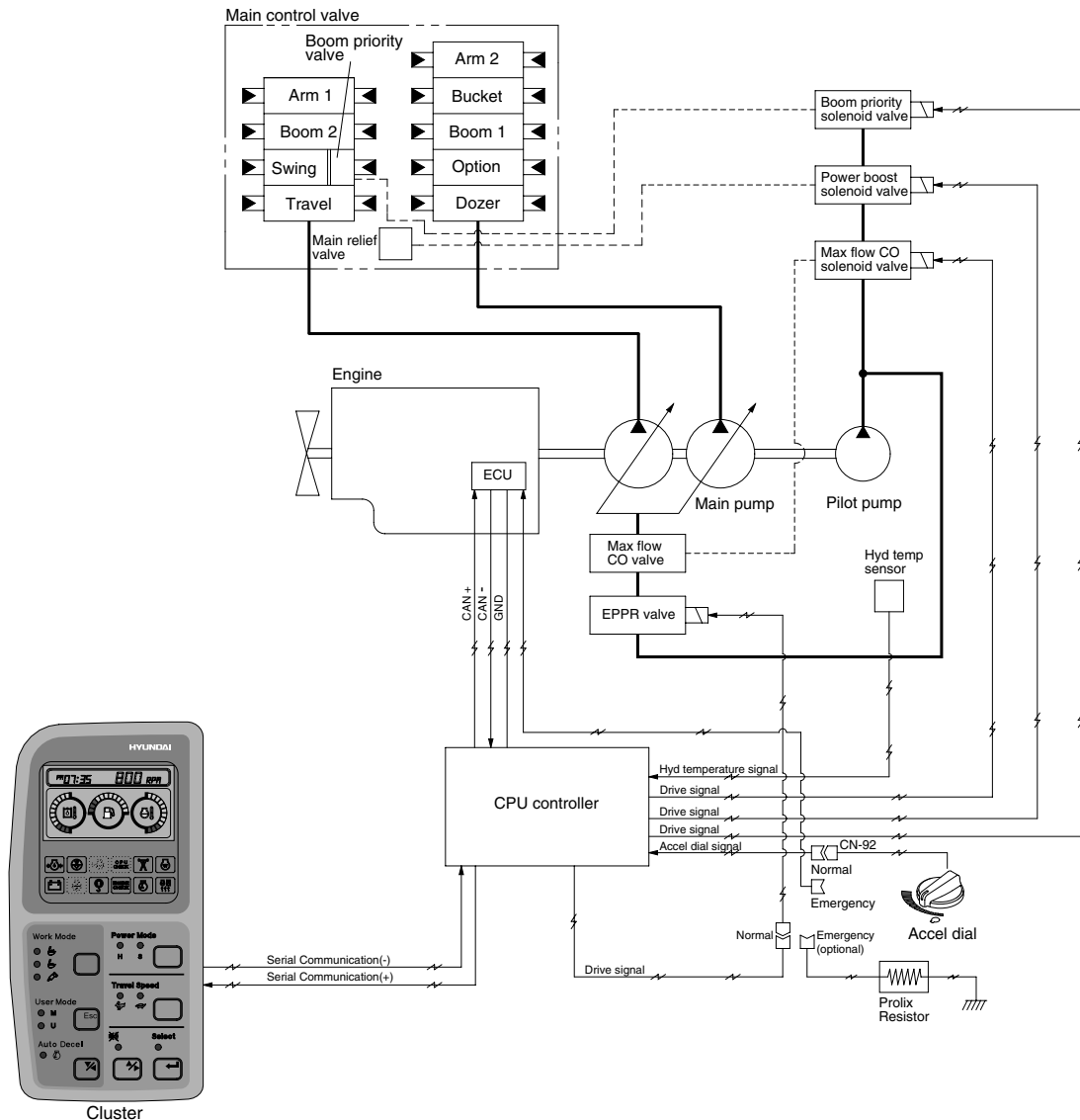
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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			
		Ver 5.1 (STD)		Ver 6.1 (OPT)		Ver 5.1 (STD)		Ver 6.1 (OPT)	
		Unload	Load	Unload	Load	Current (mA)	Pressure (kgf/cm <sup>2</sup> )	Current (mA)	Pressure (kgf/cm <sup>2</sup> )
M	Maximum power	1700±50	1650	1700±50	1650	260±30	4.5	160	0
H	High power	1600±50	1550	1600	1550	260±30	4.5	260	5
S	Standard power	1500±50	1450	1500	1450	260±30	4.5	330	9
AUTO DECEL	Engine deceleration	1000±100	-	1000±100	-	700±30	35	700±30	35
One touch decel	Engine quick deceleration	850±100	-	850±100	-	700±30	35	700±30	35
KEY START	Key switch start position	850±100	-	850±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.



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### 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 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.
- 2) High idle rpm, auto decel rpm, EPPR pressure can be modulated and memorized separately in the U-mode.

※ Refer to the page 5-37 for set of user mode.

· LCD segment vs parameter setting

Segment (   )	ACCEL (rpm)	DECEL (rpm)	EPPR (mA)
1	1250	800	-
2	1300	Low idle (850)	700
3	1350	900	-
4	1400	950	-
5	1450	Decel rpm (1000)	700
6	1500	1050	260
7	1550	1100	-
8	1600	1150	260
9	1650	1200	-
10	1700	1250	260

