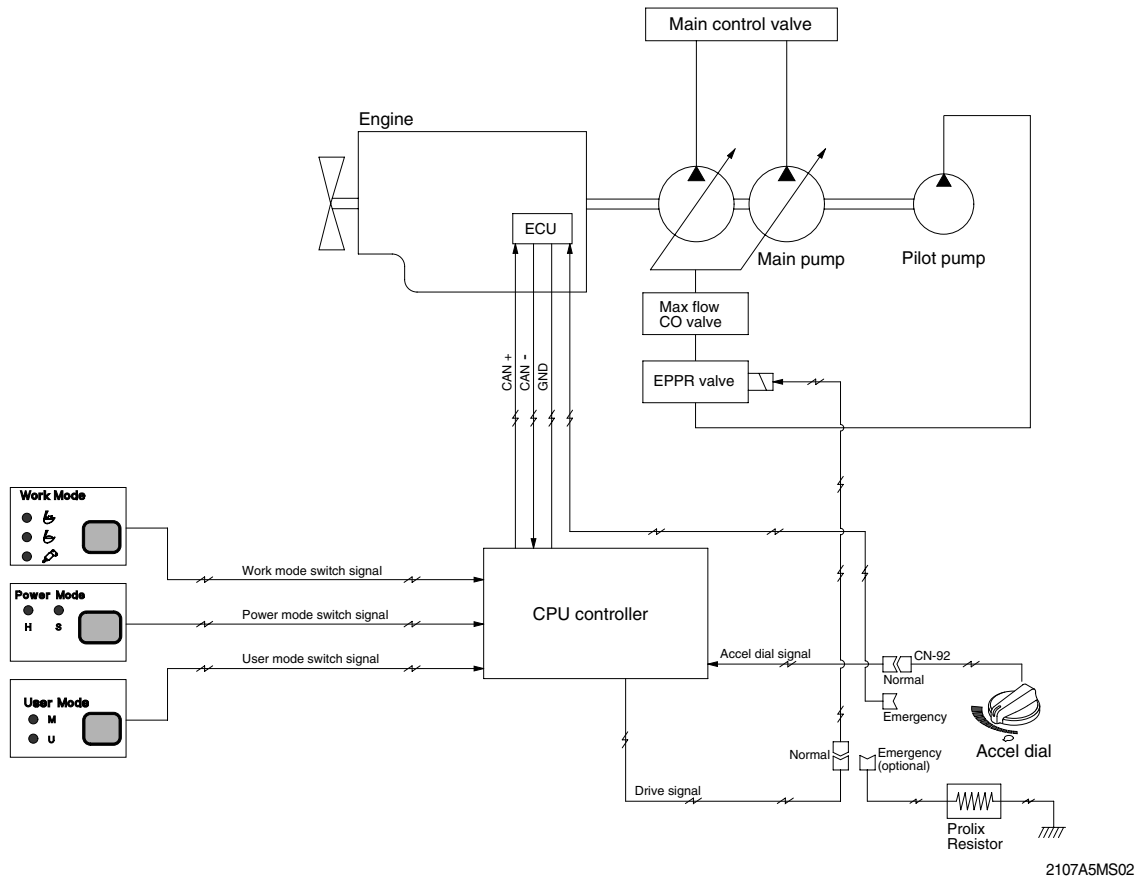


# GROUP 2 MODE SELECTION SYSTEM

## 1. POWER MODE SELECTION SYSTEM



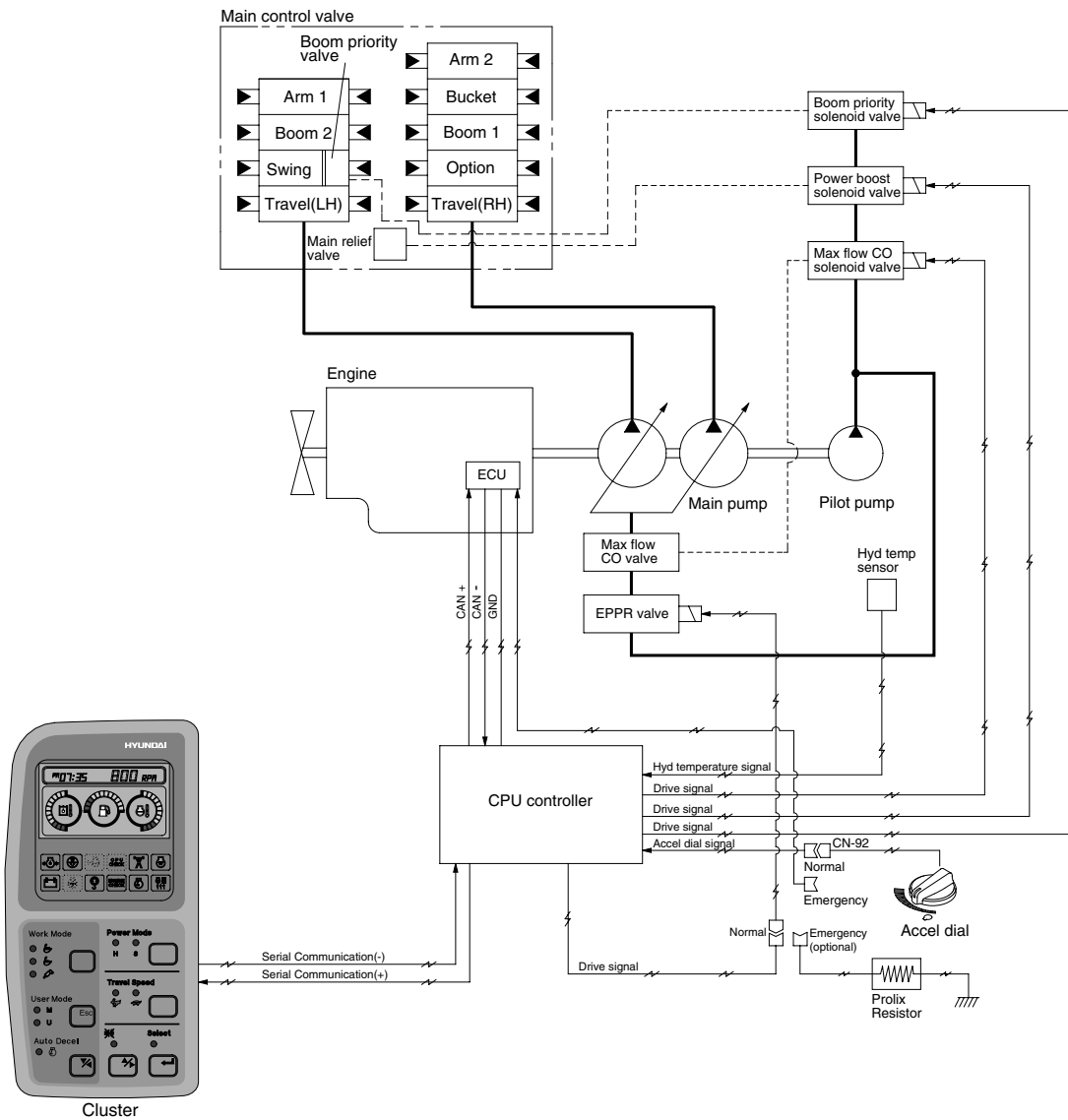
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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			
			Default		Other case		Default		Other case	
			Unload	Load	Unload	Load	Current (mA)	Pressure (kgf/cm <sup>2</sup> )	Current (mA)	Pressure (kgf/cm <sup>2</sup> )
M	Maximum power	95	1950±50	1900	1950±50	1900	185±30	2.5	160±30	0
H	High power	85	1850±50	1800	1950±50	1900	290±30	8	185±30	2.5
S	Standard power	70	1750±50	1700	1850±50	1800	290±30	8	290±30	8
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.



2107A5MS03

### 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) 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	1500	700	135
2	1550	750	200
3	1600	800	250
4	1650	Low idle(850)	300
5	1700	900	350
6	1750	950	400
7	1800	Decel rpm(1000)	450
8	1850	1050	500
9	1900	1100	550
10	1950	1150	600

