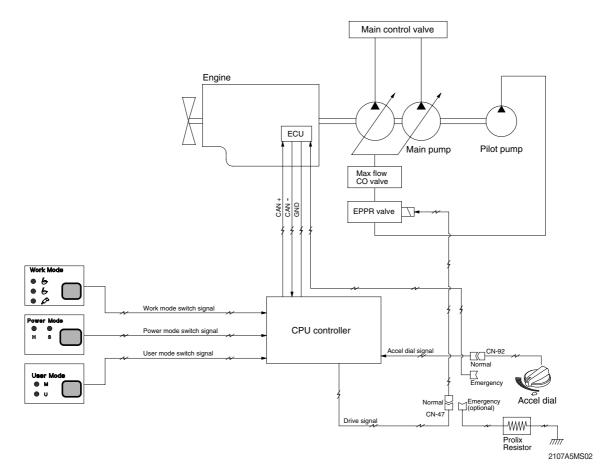
# **GROUP 2 MODE SELECTION SYSTEM**

## **1. POWER MODE SELECTION SYSTEM**



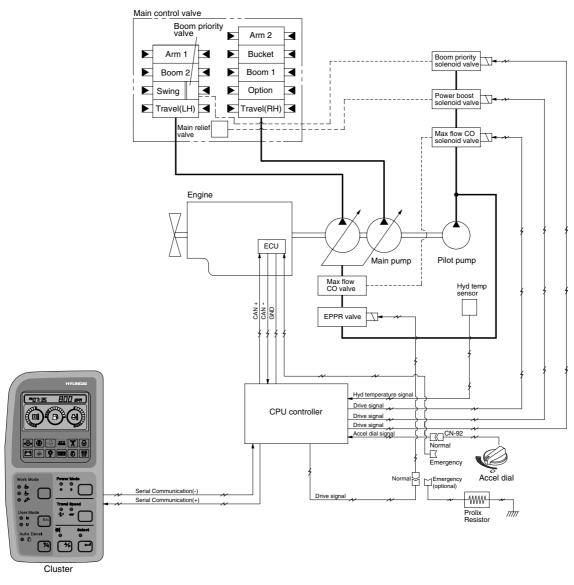
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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			
					Ver 3.1(STD)		Ver 4.1(OPT)	
			Unload	Load	Current (mA)	Pressure (kgf/cm²)	Current (mA)	Pressure (kgf/cm <sup>2</sup> )
М	Maximum power	95	$1950\pm50$	1900	185±30	2.5	160	0
Н	High power	85	$1850\pm50$	1800	290±30	8	185	2.5
S	Standard power	70	$1750\pm50$	1700	$290\!\pm\!30$	8	290	8
AUTO DECEL	Engine deceleration	-	$1000\!\pm\!100$	-	670±30	38	670±30	38
One touch decel	Engine quick deceleration	-	$800\!\pm\!100$	-	670±30	38	670±30	38
KEY START	Key switch start position	-	$800\!\pm\!100$	-	670±30	38	670±30	38

## 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	

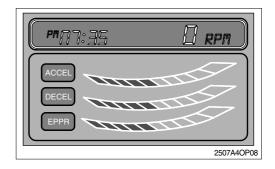
### 3. USER MODE SELECTION SYSTEM

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

- 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.

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		

· LCD segment vs parameter setting

