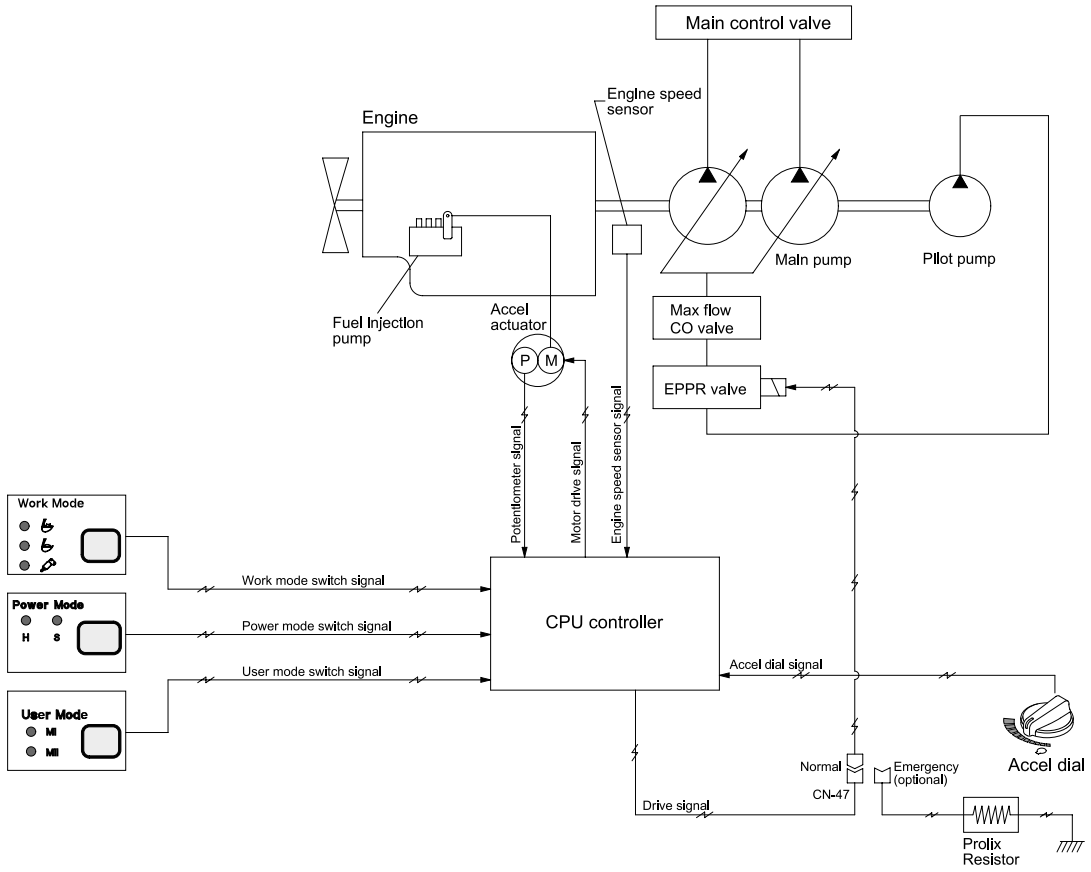
# GROUP 15 MODE SELECTION SYSTEM (#1001 and up, TIER II )

## 1. POWER MODE SELECTION SYSTEM

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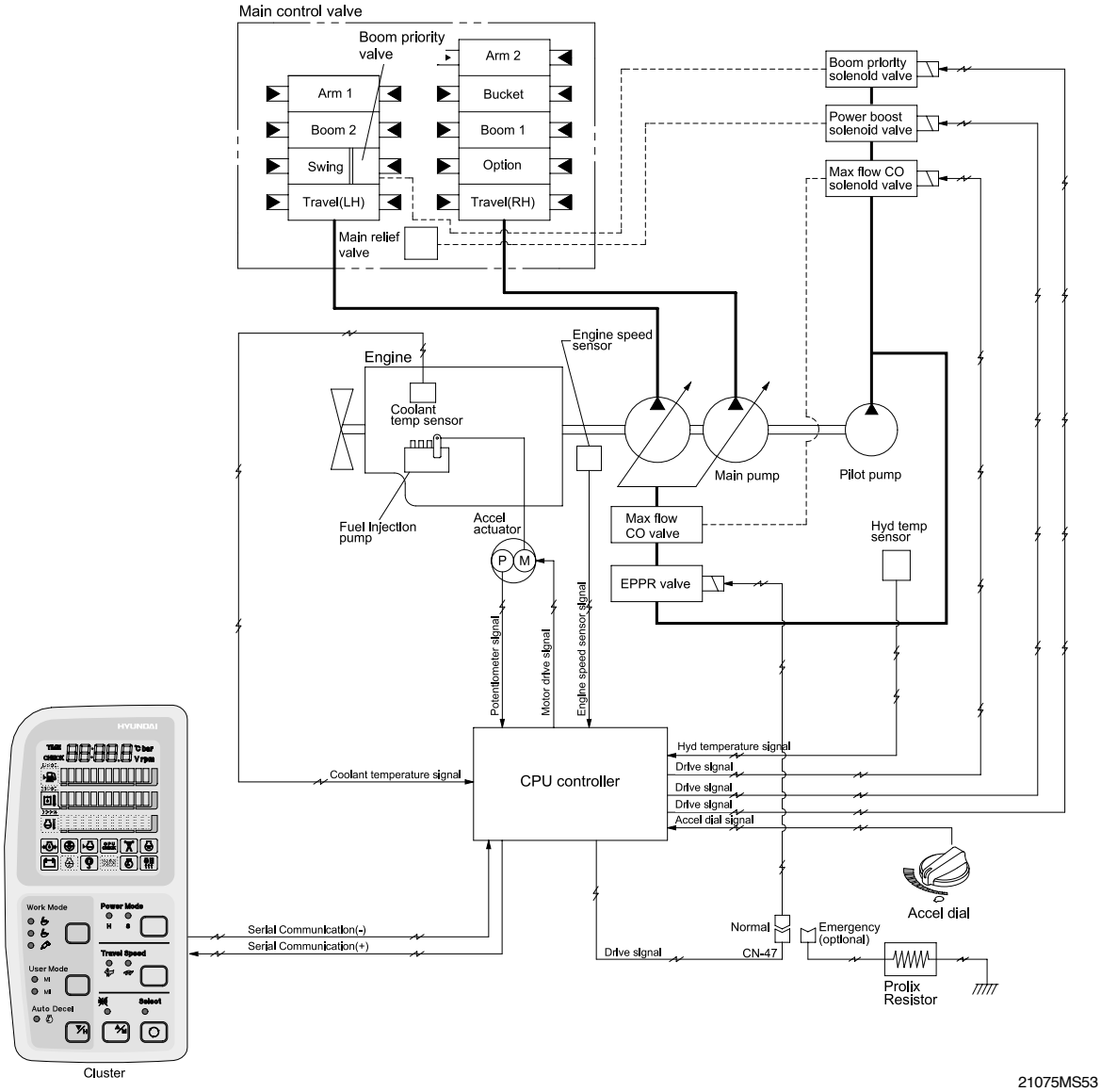
Mode selection system(Micro computer based electro-hydraulic pump and engine mutual control system) optimizes the engine and pump performance.

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 | 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 (kfg/cm$^2$) | Unload | Load | Current (mA) | Pressure (kfg/cm$^2$) |
| 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 (TIER II)

3 work modes can be selected for the optional work speed of the machine operation.




### 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 |