

GROUP 6 MECHATRONICS SYSTEM (TIER II)

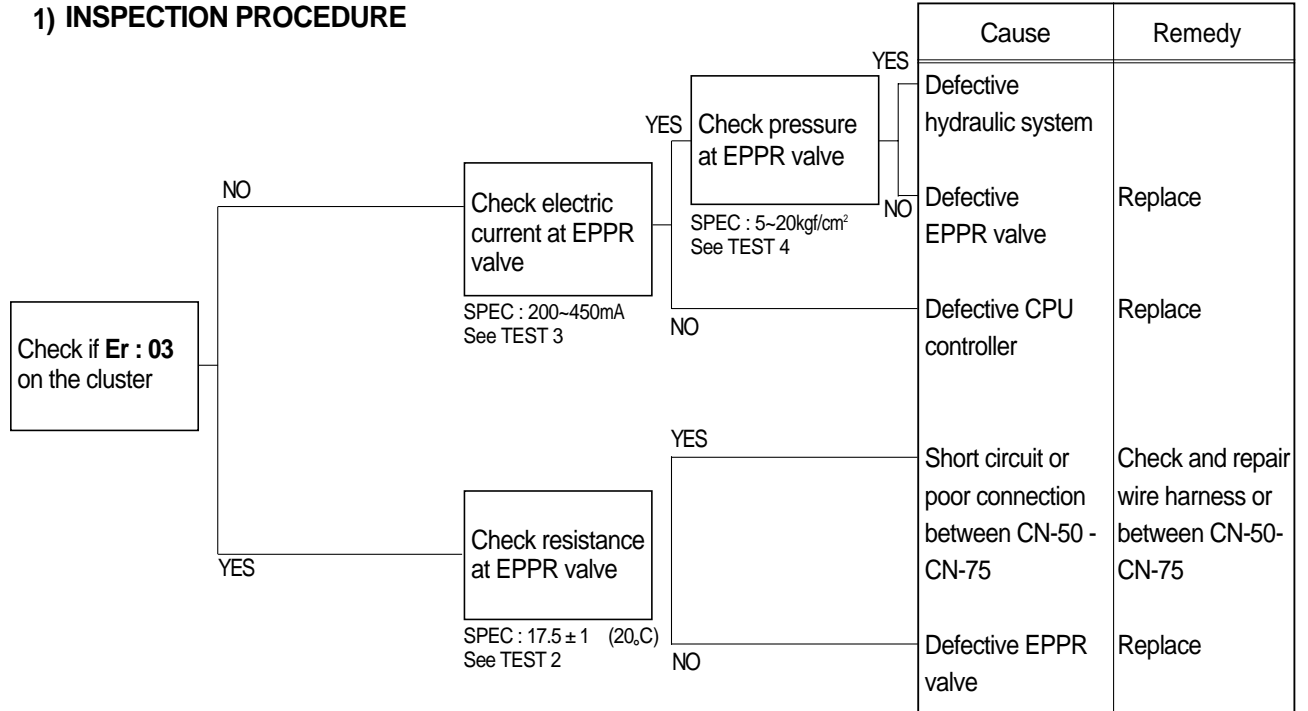
1. ALL ACTUATORS SPEED ARE SLOW

Boom, Arm, Bucket, Swing and travel speed are slow, but engine speed is good.

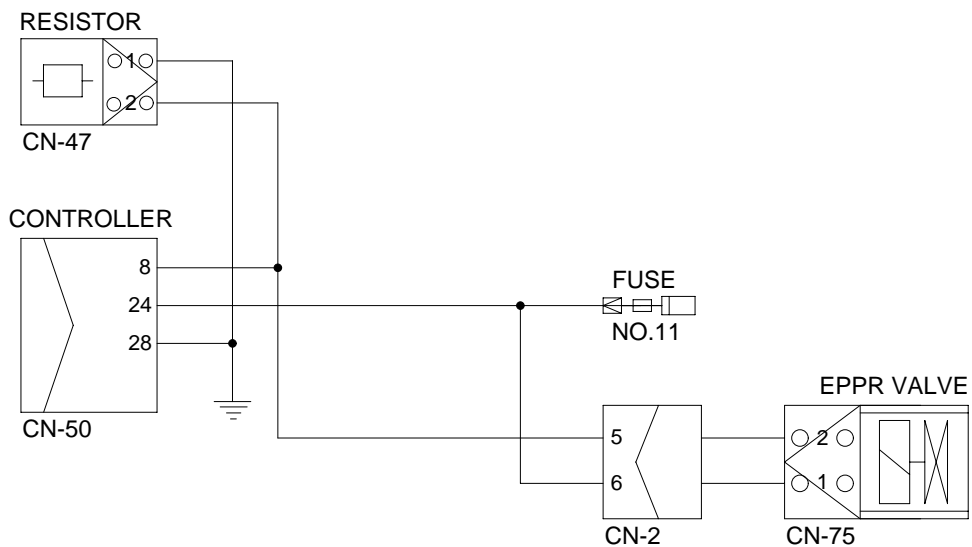
Spec : H-mode 1950 ± 50rpm S-mode 1850 ± 50rpm

Before carrying out below procedure, check all the related connectors are properly inserted.

1) INSPECTION PROCEDURE



Wiring diagram

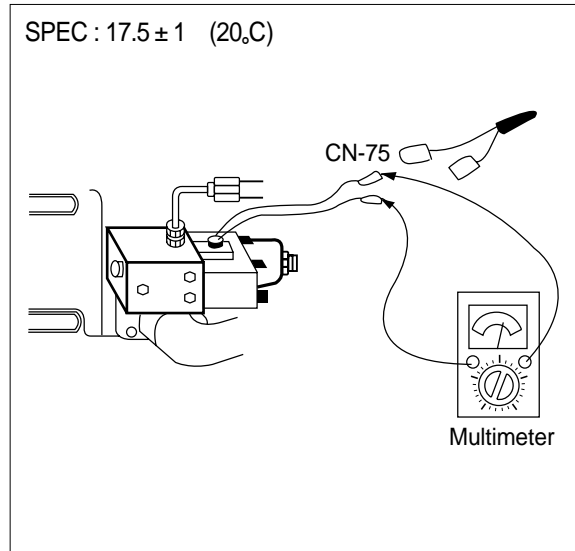


- (1) **Test 2** : Check resistance at connector CN-75.

Starting key OFF.

Disconnect connector CN-75 from EPPR valve at main hydraulic pump.

Check resistance between 2 lines as figure.



- (2) **Test 3** : Check electric current at EPPR valve.

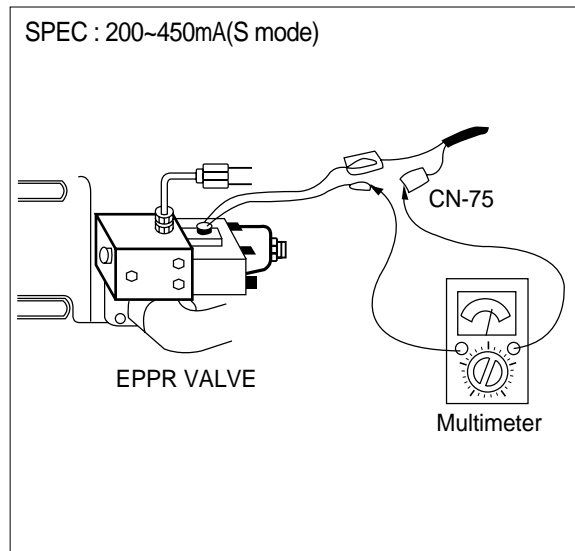
Install multimeter as figure.

Start engine.

Set the accel dial at "10"(MAX)

Set S-mode and cancel auto decel mode.

If tachometer show approx 1950 ± 50 rpm,
 1850 ± 50 rpm(TIER II) check electric current.



- (3) **Test 4** : Check pressure at EPPR valve.

Remove plug and connect pressure gauge as figure.

- Gauge capacity : 0 to 40~50kgf/cm²
 (0 to 570~710psi)

Start engine.

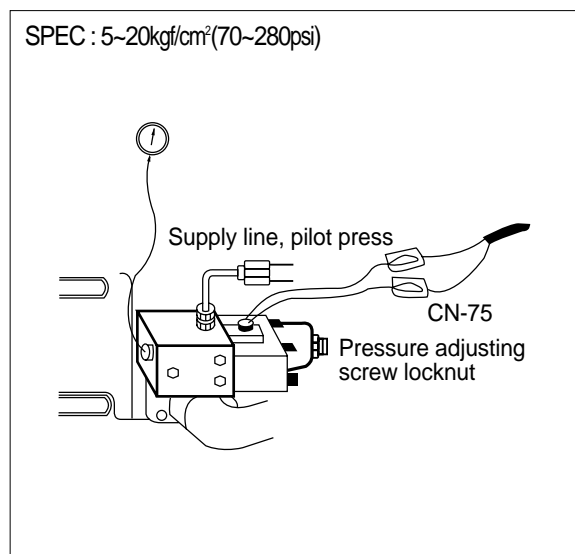
Set the accel dial at "10"(Max).

Set S-mode and cancel auto decel mode.

If tachometer show approx 1950 ± 50 rpm,
 1850 ± 50 rpm(TIER II) check pressure.

If pressure is not correct, adjust it.

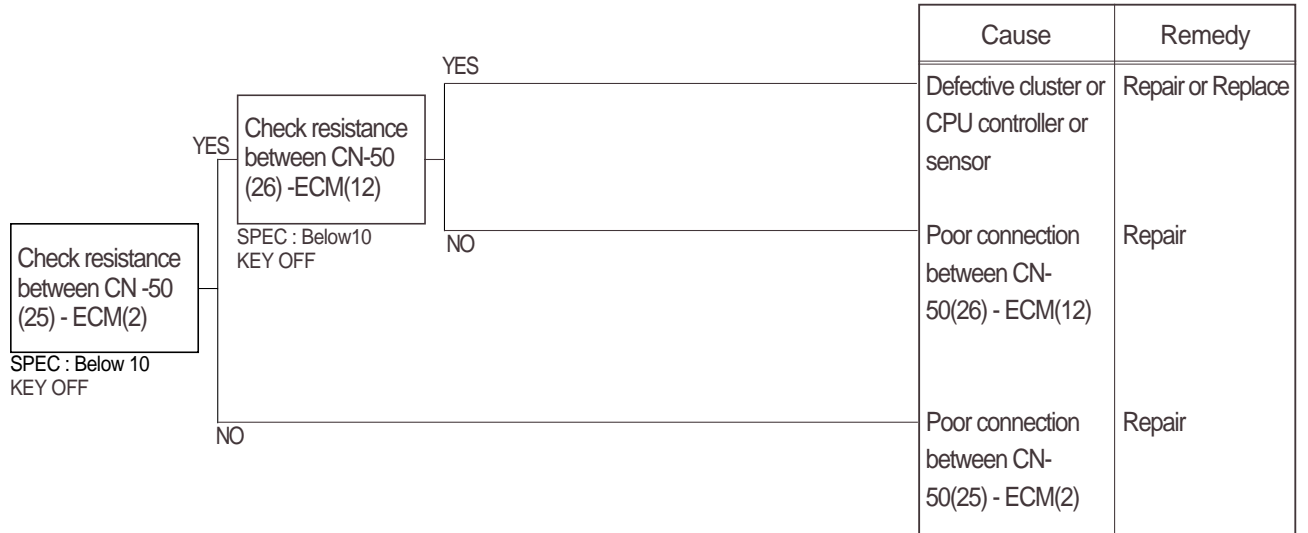
After adjust, test the machine.



2. MALFUNCTION OF WARMING UP

Before carrying out below procedure, check all the related connectors are properly inserted.

1) INSPECTION PROCEDURE



Wiring diagram

