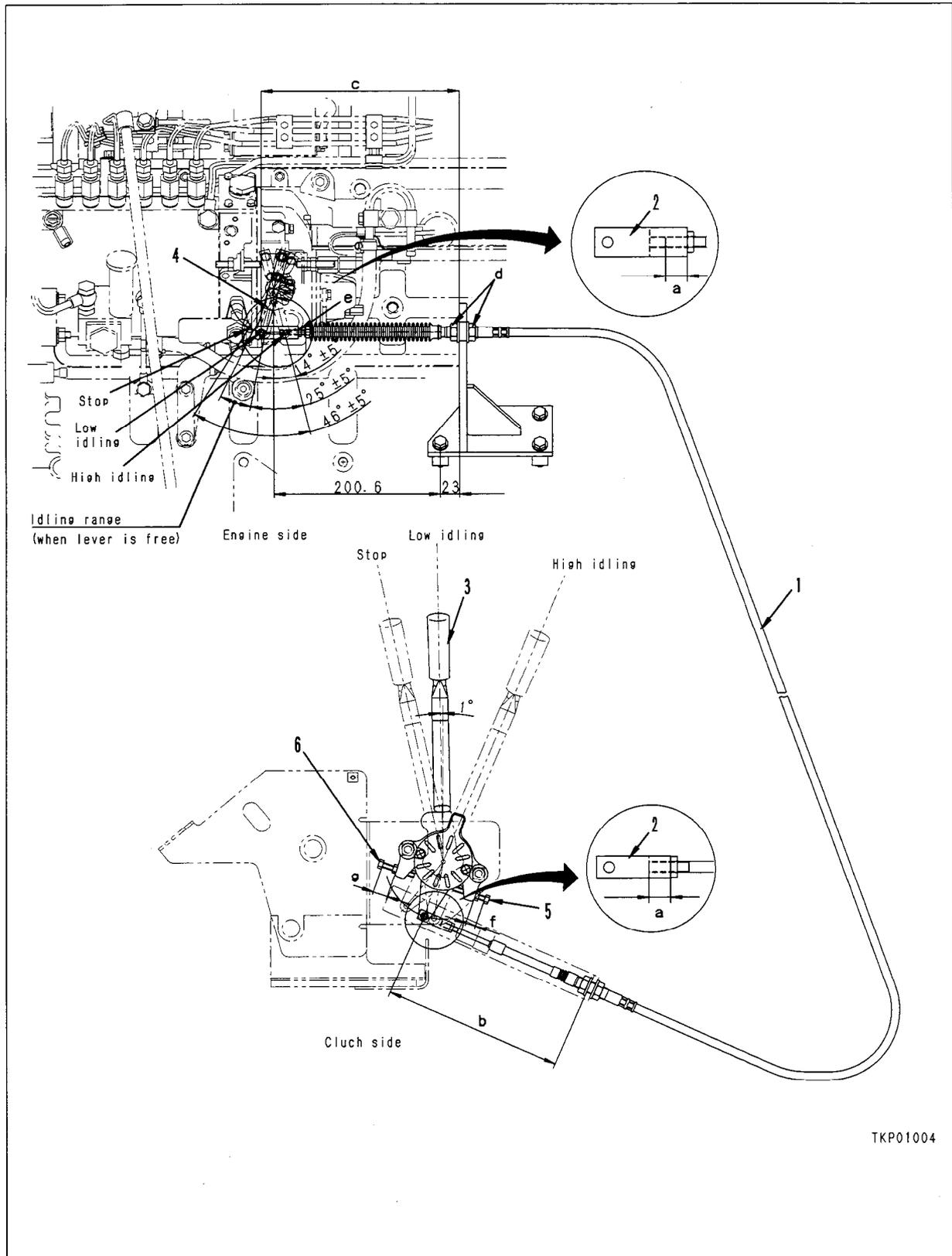


# ADJUSTING FUEL CONTROL LEVER



E20Y06

- Set the operator's seat to rear end position.
- 1. Adjust the mounting dimension of yoke (2) of cable (1) to dimension **a**. (Both the clutch and engine ends)
  - ★ Yoke mounting dimension **a**: 12 mm
- 2. Set fuel control lever (3) to the idling position, then adjust the mounting dimension of cable (1) to dimension **b**.
  - ★ Cable mounting dimension **b**: 217 mm
- 3. Check that governor lever (4) is in the idling range, then install the cable at the engine end to dimension **c**. (If it is not within the idling range, adjust with nut **d** or **e**.)
  - ★ Cable mounting dimension **c**: 239 mm
- 4. Check the engine speed when fuel control lever (3) is at the idling position.
  - ★ Engine idling speed:  $970 \pm 50$  rpm  
(If it is not within the idling range, repeat Step 3 to adjust.)
- 5. Move fuel control lever (3) (including the play) towards the STOP position until governor lever (4) comes to the STOP position, then adjust stopper bolt (5) so that the clearance between fuel control lever (3) and stopper bolt (5) is 0.
  - ★ Basic dimension **f** of stopper bolt: 13 mm
  - ★ After adjusting, tighten the locknut of the stopper bolt securely.
- 6. Move fuel control lever (3) (including the play) towards the FULL position until governor lever (4) comes to the STOP position, then adjust stopper bolt (6) so that the clearance between fuel control lever (3) and stopper bolt (6) is 0.
  - ★ Basic dimension **g** of stopper bolt: 18 mm
  - ★ After adjusting, tighten the locknut of the stopper bolt securely.

E20Y06

## TESTING AND ADJUSTING HYDRAULIC PRESSURE IN WORK EQUIPMENT, SWING, TRAVEL CIRCUIT

- ★ For details of the adjustment procedure for the variable pressure compensation valve of the service valve, see Service News.

### Measuring

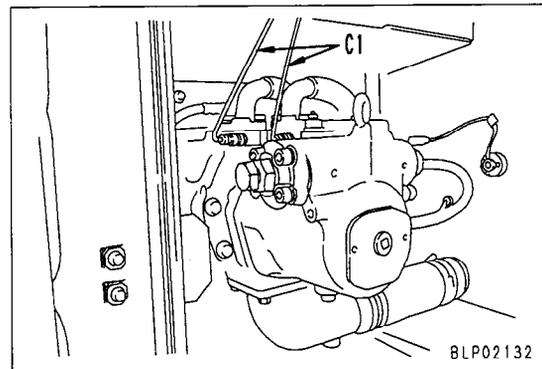
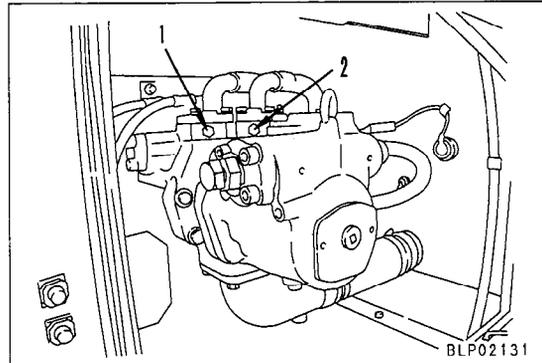
- ★ Oil temperature when measuring: 45 – 55°C

⚠ Lower the work equipment completely to the ground and stop the engine. Loosen the oil filler cap slowly to release the pressure inside the hydraulic tank, then set the safety lock lever to the LOCK position.

- Remove pressure pick-up plug (1) or (2) (Thread dia.= 10 mm, Pitch=1.25) of the circuit to be measured, then install oil pressure gauge **C1** (58.8 MPa {600 kg/cm<sup>2</sup>}).
  - (1): Front pump
  - (2): Rear pump

### 1. Measuring unload oil pressure

Run the engine at full throttle and measure the oil pressure with all control levers at HOLD.



E20Y06

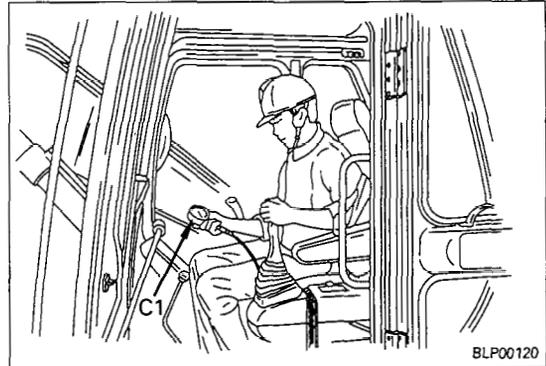
**2. Measuring pump relief pressure**

1) Low setting (oil pressure: 31.9 MPa (325 kg/cm<sup>2</sup>))

i) Measure the pressure when each actuator except the travel actuator is relieved with the engine at full throttle.

★ Note that the set pressure of the safety valve for the swing motor and head end of the boom is lower than the main relief low set pressure, so the value measured will be the relief pressure of the safety valve.

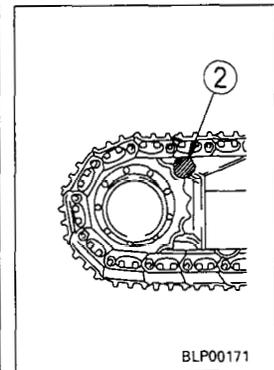
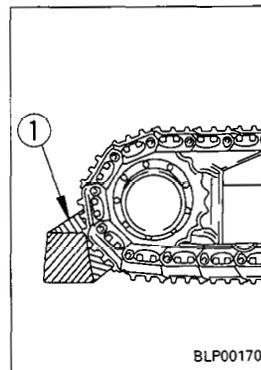
★ When measuring the swing relief pressure, measure with the swing lock turned switch ON.



2) High setting (oil pressure: 34.8 MPa (355 kg/cm<sup>2</sup>))

i) When travel is operated  
Measure the oil pressure when the travel is relieved on each side separately with the engine at full throttle.

★ To relieve the travel circuit, put block ① under the track shoe grouser, or put block ② between the sprocket and frame to lock the track.



E20Y06