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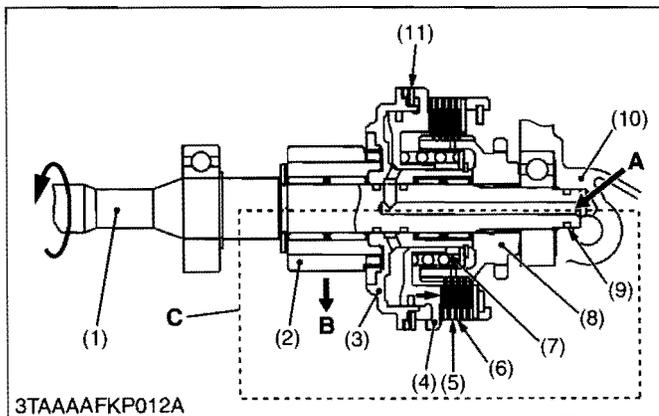
PTO Clutch Relief Valve

The PTO clutch relief valve is provided to control the PTO operating pressure. When the oil pressure exceed the relief valve setting pressure, relief valve opens and the oil flows into PTO clutch and hydrostatic transmission.

(Reference)

- Relief valve setting pressure : 490 kPa
5.0 kgf/cm²
71.2 psi
- | | |
|-----------------------------|---|
| (1) Plug | A : From Power Steering Controller |
| (2) O-ring | B : To Hydrostatic Transmission |
| (3) Spring | C : To PTO Clutch Valve |
| (4) Steel Ball | |
| (5) PTO Clutch Valve | |
| (6) HST Charge Relief Valve | (a) Old Type |
| (7) PTO Clutch Relief Valve | (b) New Type |
| (8) Poppet | |

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PTO Clutch "Engaged"

The oil from power steering controller flows into the PTO clutch valve.

When the PTO clutch lever is set at the "Engaged" position, the PTO clutch valve rotates. Oil flows from the oil line through transmission case to the PTO clutch pack.

Oil entering the clutch pack pushes the clutch piston (4) to engage the clutch pack. Power is transmitted from the HST pump shaft (1) through the PTO clutch to the clutch gear (2) and the PTO shafts.

- | | |
|--------------------|----------------------------------|
| (1) HST Pump Shaft | (9) O-ring |
| (2) Clutch Gear | (10) Transaxle Case |
| (3) Clutch Case | (11) Brake Disc |
| (4) Clutch Piston | A : From PTO Clutch Valve |
| (5) Clutch Plate | B : Power to PTO Shaft |
| (6) Clutch Disc | C : PTO Clutch "Engaged" |
| (7) Spring | |
| (8) Spline Boss | |

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