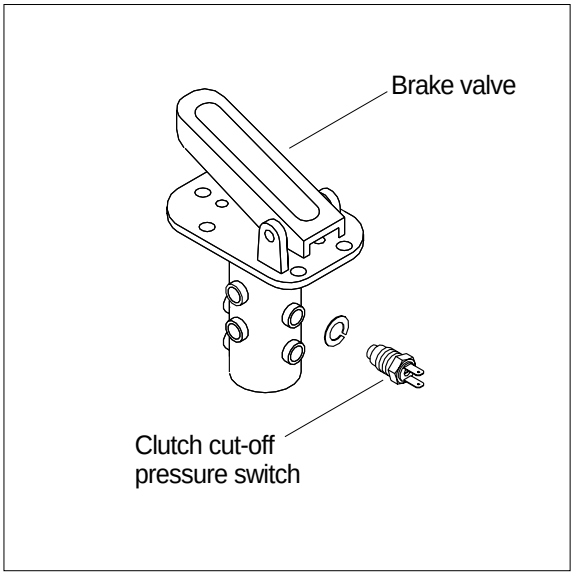
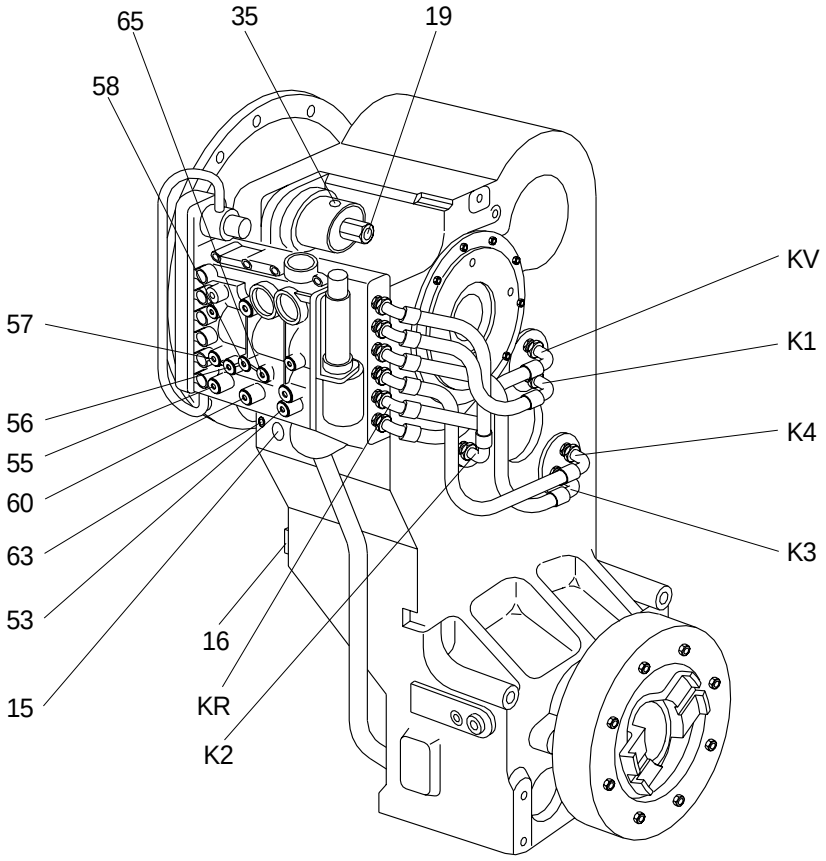
1. CLUTCH CUT-OFF PRESSURE SWITCH TEST

The setting pressure of the clutch cut-off pressure switch should be suited with the specification. The rated pressure is 25kgf/cm^2.
For the detailed method for pressure adjusting, refer to page 4-27.



2. TRANSMISSION PUMP PRESSURE AND FLOW TESTING

Carry out measurements with warm gearbox(About 80~95℃) and full speed.



1) MEASURING POINTS

Port	Description		Thread connections
15	Delivery rates	Connection to the heat exchanger	M26 × 1.5
16		Connection from the heat exchanger	M26 × 1.5
19		Connection oil line from filter	M26 × 1.5
35		Connection oil line to filter	M26 × 1.5
53	Oil pressure	Forward clutch (KV)	M10 × 1.0
55		Reverse clutch (KR)	M10 × 1.0
56		1st clutch (K1)	M10 × 1.0
57		2nd clutch (K2)	M10 × 1.0
58		3rd clutch (K3)	M10 × 1.0
60		4th clutch (K4)	M10 × 1.0
65		Control switch	M10 × 1.0
63	Tempreature	Converter exit	M14 × 1.5

2) TESTING

Before testing is carried out, ensure that the oil is at the correct level and at normal operating temperature.

3) TORQUE CONVERTER STALL TEST

Mark the engine crankshaft pulley with chalk or reflective tape and check the maximum no-load speed of the engine using a stroboscopic tachometer.

Raise the loader arms and set the machine against fixed obstruction. Apply the parking brake firmly and select forward highest. Apply the footbrake and, with the throttle fully open, check engine speed which should be 2240±70rpm.

※ **Do not apply the clutch cut off switch during this test as the clutch disconnect will be activated and a false reading will result.**

Repeat the above test whilst simultaneously operating the loader arm raise service to blow off the main relief valve.
Engine speed should be 2240±70rpm.

If engine speeds are appreciably below the stated figures, the engine is losing power and should be serviced or overhauled. Where the engine speed does not change significantly from the governed speed, check the transmission for clutch slippage or internal leakage.

4) PUMP FLOW TEST

(1) Make test connections as shown. Connect tachometer/temperature reader.

(2) Heat transmission oil up to test specifications.(See transmission oil warm-up procedure, this group)

(3) Run engine at test specification(1500rpm). Measure flow. Flow meter loading valve must be open.

※ **Before starting engine, check that flow meter loading valve is open.**
Pump can be damaged if engine is started with loading valve closed.