SERVICE MANUAL

WORKMASTER™ 35
WORKMASTER™ 40

Compact Tractor

Part number 47446617
1st edition English
April 2013

MidWestTech | New Holland Workmaster 35, 40 Compact Tractor Service Manual | Publication 47446617

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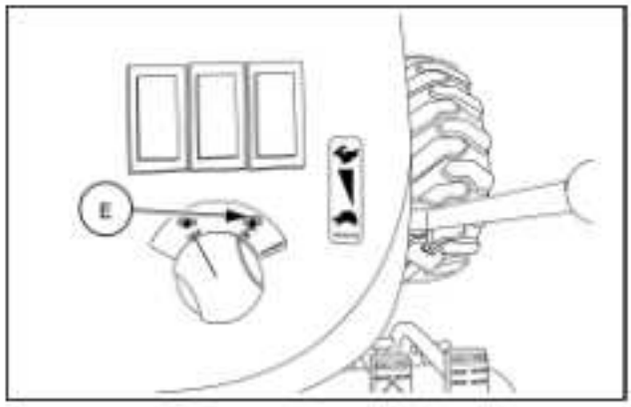
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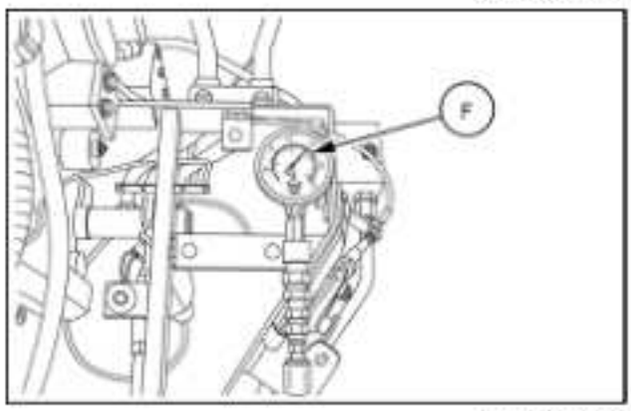
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8. Push and turn the PTO switch to the "ON" position **(E)**. After a two second delay, the pressure gauge should indicate **1565 kPa** (**227 psi**) **(F)**.



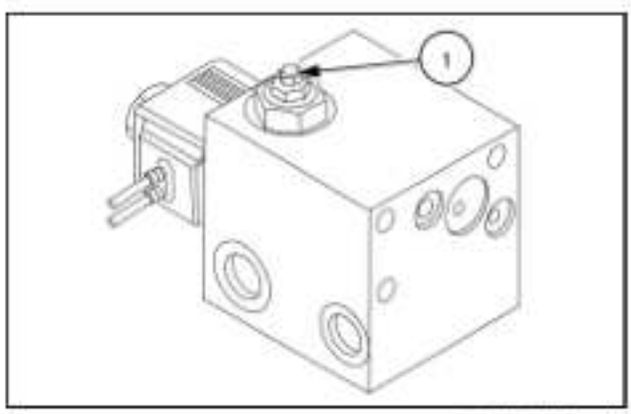
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NOTE: *The hydraulic test will show modulation at* ***345 kPa*** *(****50 psi****) again at* ***517 kPa*** *(****75 psi****), before proceeding to* ***1565 kPa*** *(****227 psi****) .*

9. If the pressure needs adjustment, turn the adjusting screw on the sequencing valve **(1)** (to increase or decrease the pressure to the PTO clutch.



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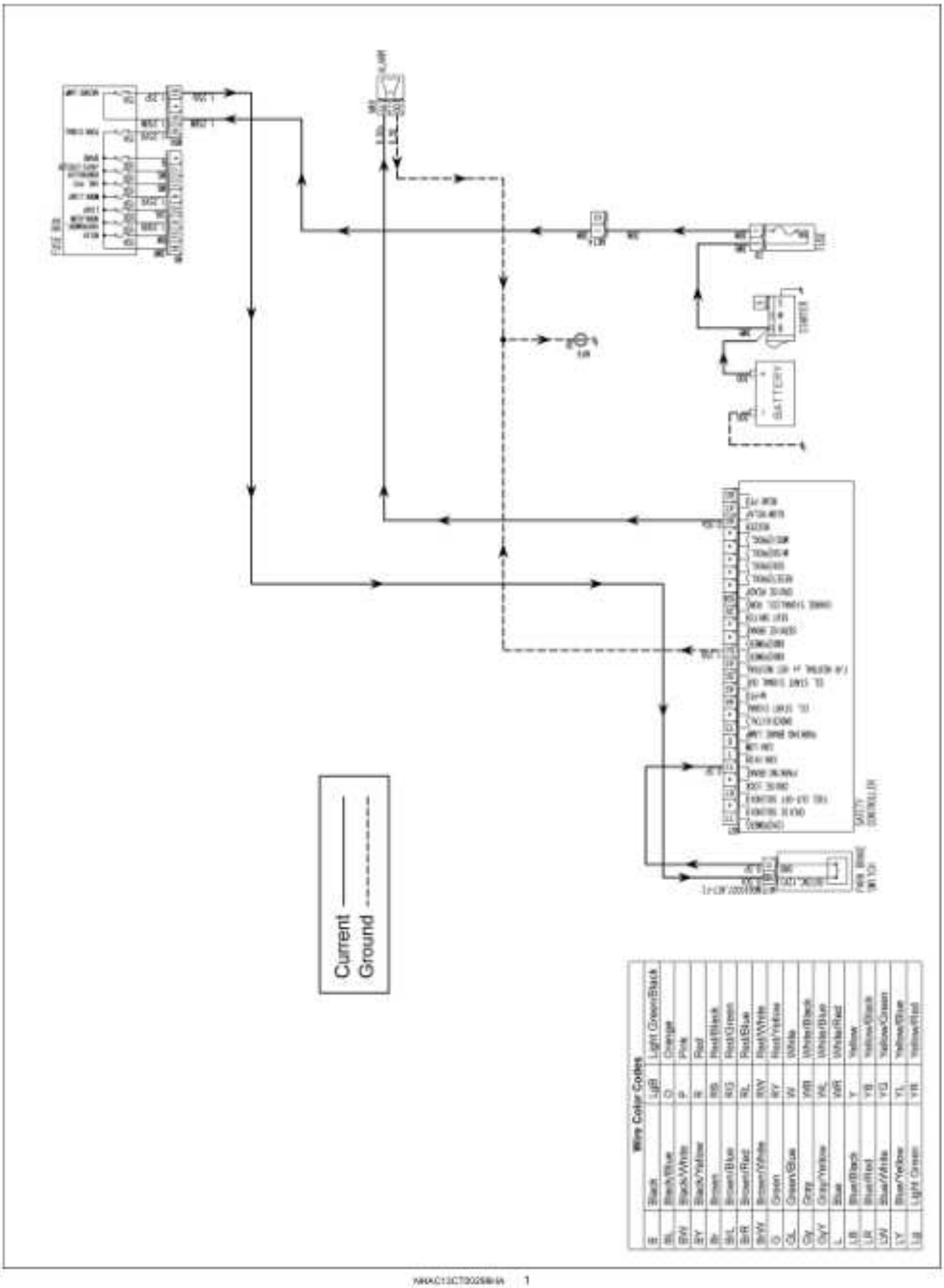
NOTE: *A quarter turn of the adjusting screw will increase or decrease the pressure by approximately* ***138 kPa*** *(****20 psi****).*

10. Turn the engine "OFF". Remove test fitting and insert the plug into G2.

11. If the hydraulic pressure to the PTO clutch cannot be adjusted to **1565 kPa** (**227 psi**) check the system hydraulic pressure for adequate supply pressure and volume.

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Electrical system - Electrical schematic frame 21 - Park brake alarm, park brake not applied



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Flasher unit - Troubleshooting

NOTE: *See* ***Electrical system - Electrical schematic frame 09 - Hazard lights (55.000)***

Problem	Possible Cause	Correction
Inoperative hazard lights	Blown #9 10-amp fuse	Replace 10-amp fuse
	Faulty combination light switch	Test switch, replace if necessary
	Faulty flasher unit	Test flasher unit, replace if necessary
	Hazard light bulbs failure	Replace bulbs as necessary
	Improper ground	Check ground location, for clean contact area

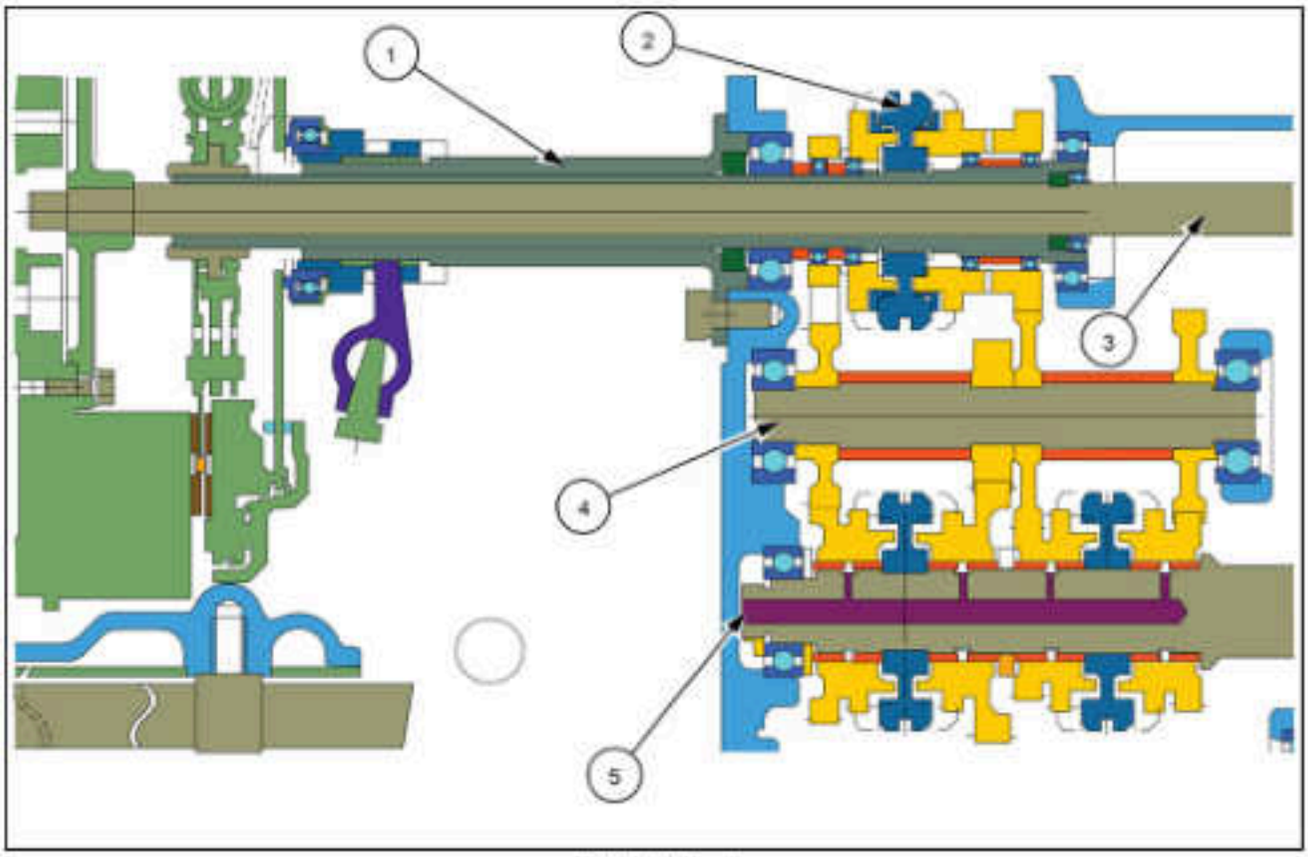
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Mechanical transmission - Overhaul transmission gears assembly

⚠ WARNING

Heavy object!
ALWAYS use a hoist or get assistance to lift the component.
Failure to comply could result in death or serious injury.

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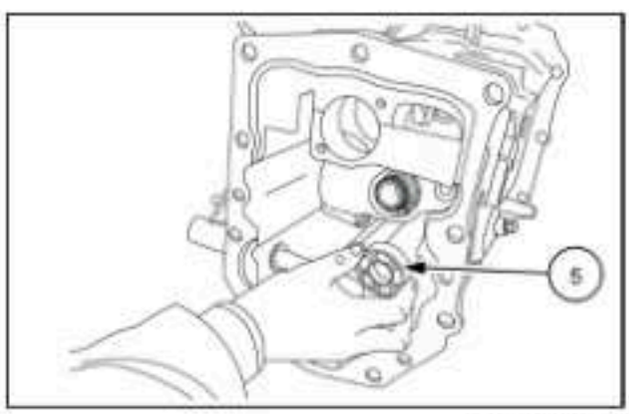
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Transmission schematic

(1) Forward - Reverse Shaft
(2) Shuttle Unit
(3) PTO Shaft
(4) Main Shaft
(5) Main Drive Shaft

Assembly

1. Install the bearing **(5)**.



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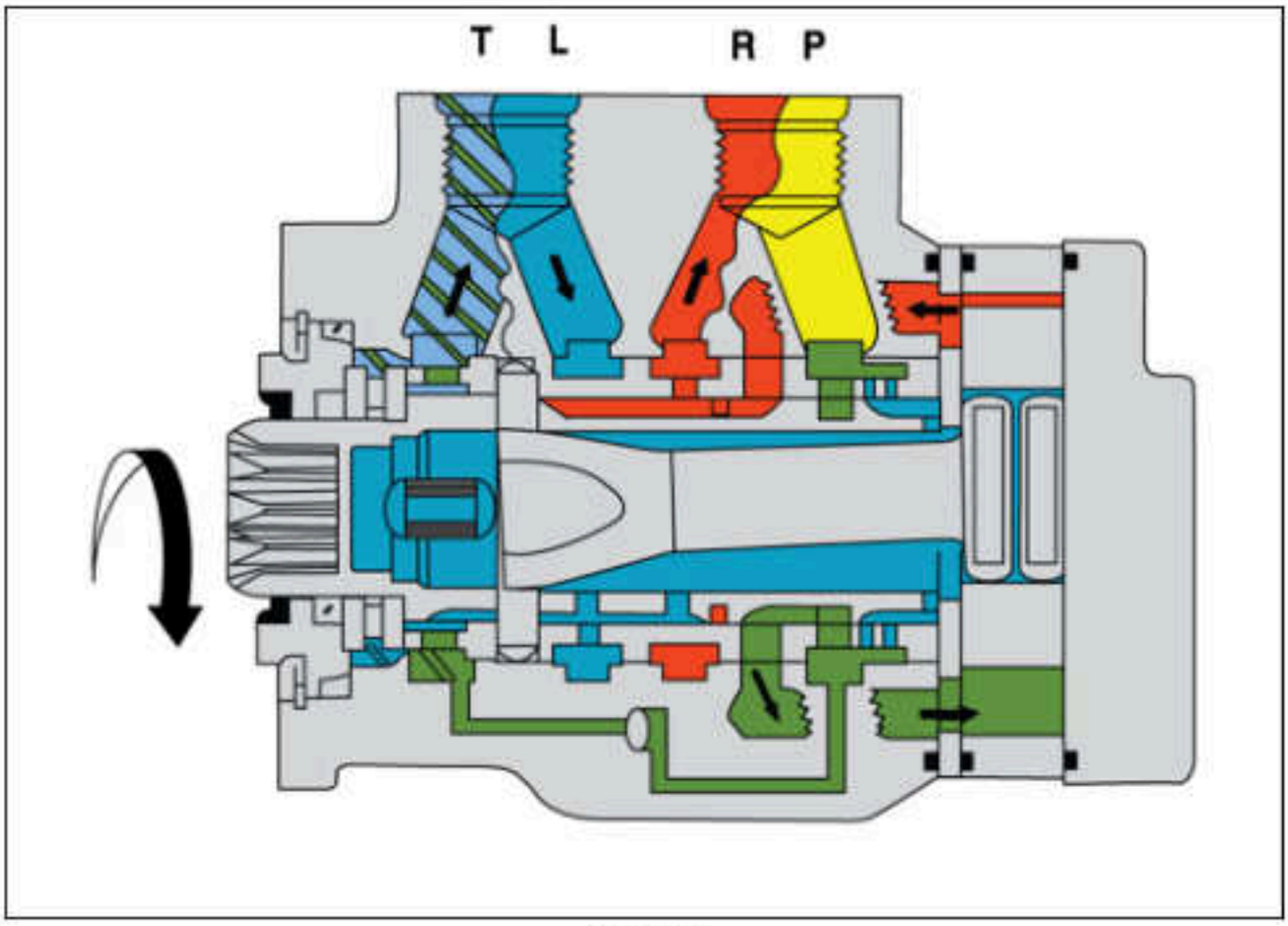
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Emergency operation

⚠ WARNING

Loss of control hazard!
Because of the slow responsiveness of the steering in this condition, you should not travel at high speeds or on downhill roads.
Failure to comply could result in death or serious injury.

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Emergency mode steering manually

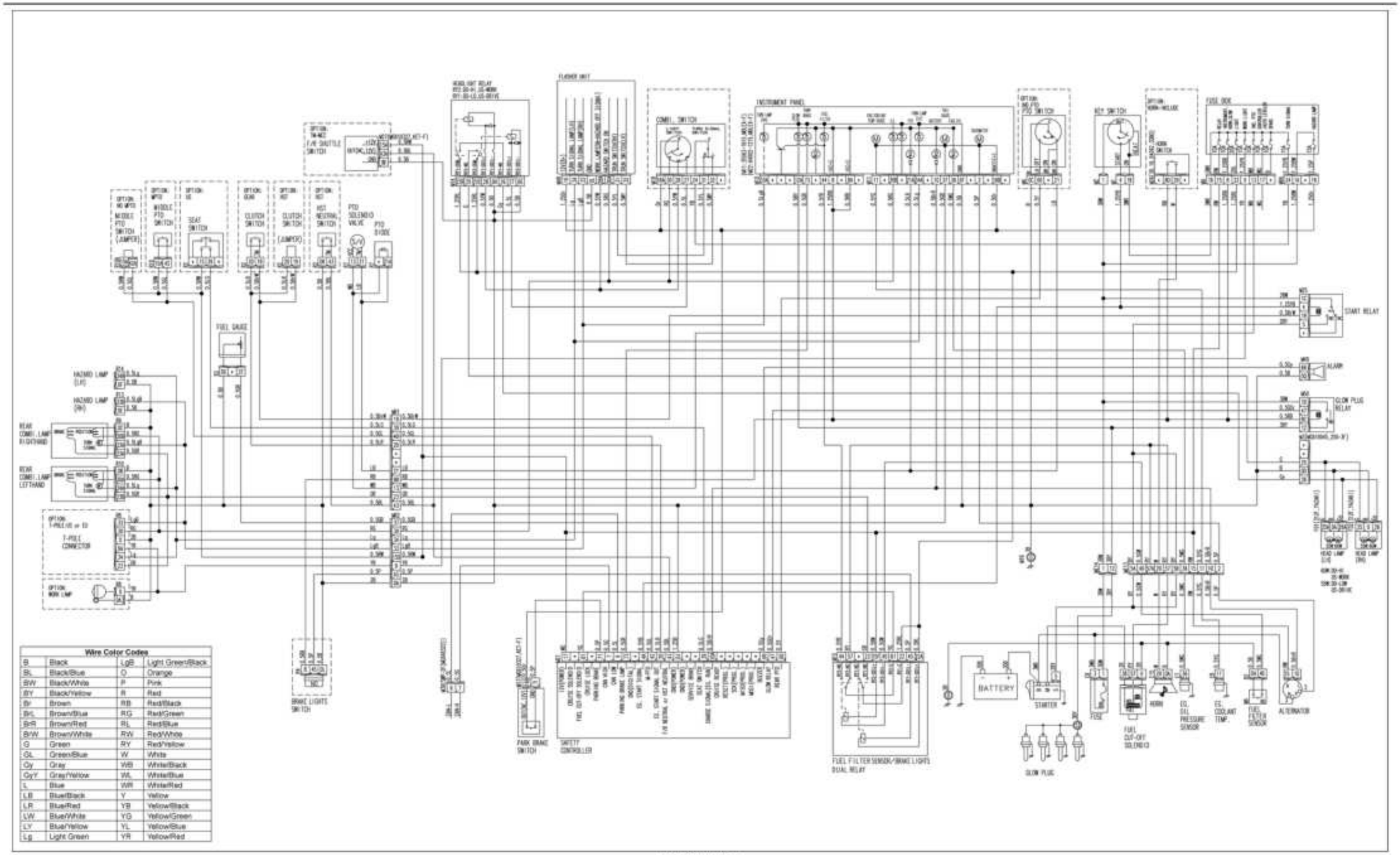
(T) - Tank
(L) - Left steer port
(R) - Right steer port
(P) - Pump discharge

- Pressurized oil from pump
- Oil from rotor
- Discharge
- Suction
- Suction or discharge
- Neutral

NOTICE: *In the EMERGENCY manual steering mode, if steering becomes difficult to do, STOP and transport the tractor by trailer.*

If hydraulic pressure is not generated by the hydraulic pump, the "Rocker" inside the valve serves as a hand pump, and allows the steering cylinder to operate.
The oil returning to the port **(T)** is sent to the rotor **(1)** through the check valve and the rotor sends oil to the cylinder. At this time, the oil in the opposite side returns to the port **(T)** again and repeats the procedure previously described.

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