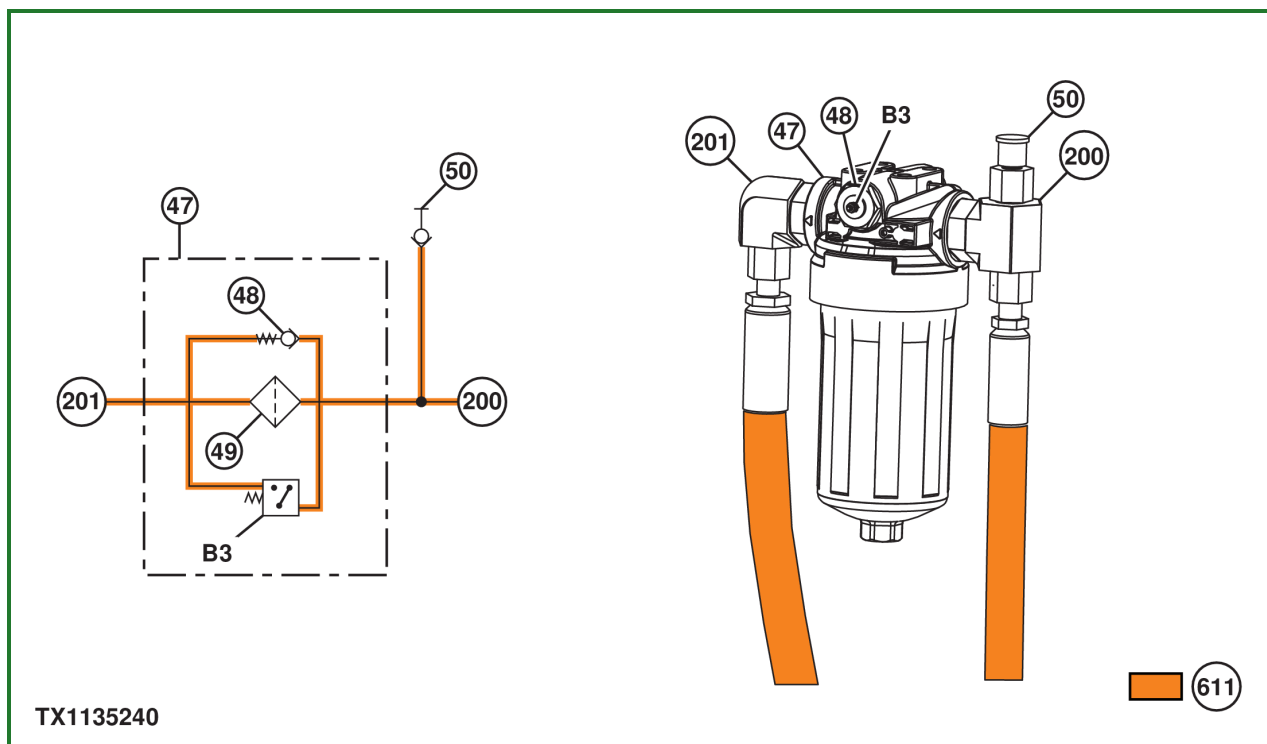


## Hydraulic Oil Filter Manifold Operation



### TX1135240-UN: Hydraulic Oil Filter Manifold

#### LEGEND:

- 47 - Hydraulic Oil Filter Manifold
- 48 - Hydraulic Oil Filter Bypass Valve
- 49 - Hydraulic Oil Filter
- 50 - Hydraulic Oil Test Port
- 200 - Charge Oil From Hydraulic Fan Manifold
- 201 - Charge Oil to Hydrostatic System
- 611 - Charge Oil
- B3 - Hydraulic Oil Filter Restriction Switch

The hydraulic oil filter (49) is a cartridge-style filter inside of a spin-on housing.

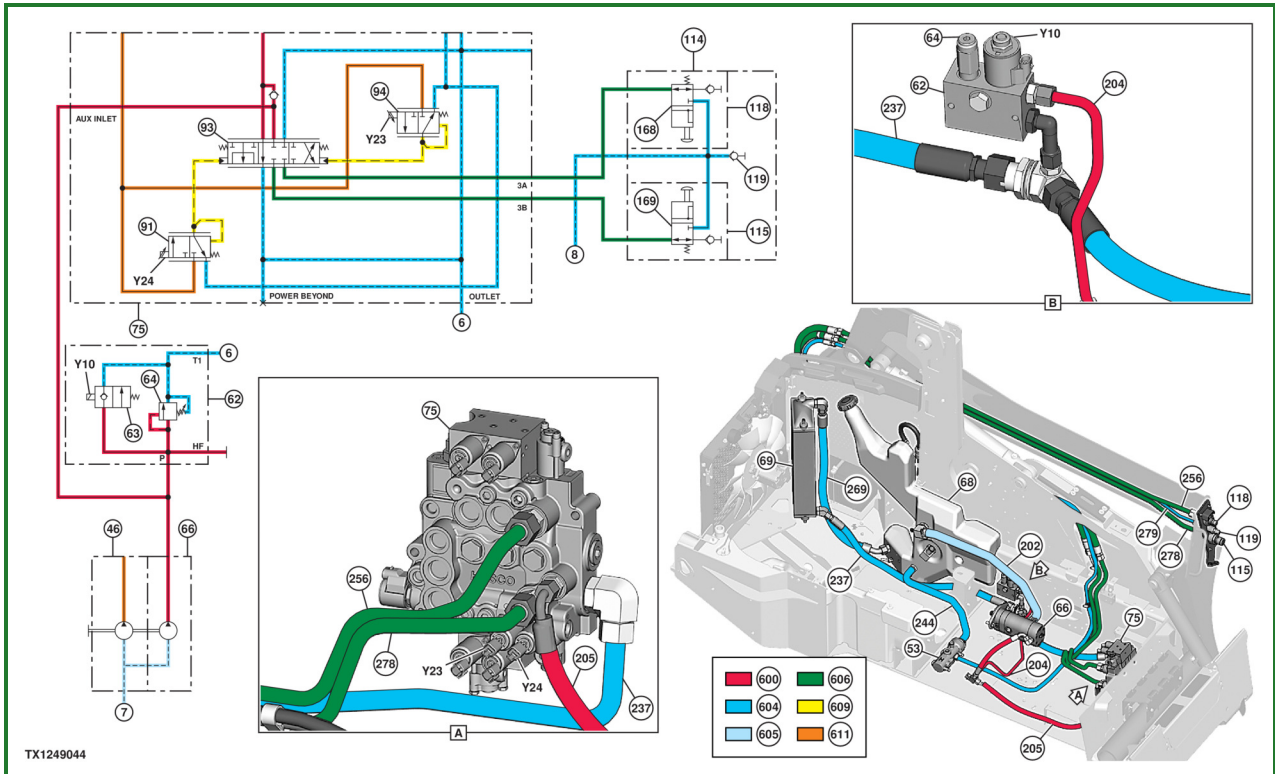
Hydraulic oil filter manifold (47) contains hydraulic oil filter, hydraulic oil filter restriction switch (B3), and hydraulic oil filter bypass valve (48). Hydraulic oil filter and oil filter manifold are on the left side of the machine under the engine hood by the hydraulic oil cooler. [See Hydraulic System Component Location](#) . (Group 9025-15.)

Charge oil (611) from hydraulic fan manifold (200) flows to hydraulic oil filter, hydraulic oil filter bypass valve, and hydraulic oil filter restriction switch. Charge pressure oil flows through hydraulic oil filter to hydrostatic system.

When charge oil pressure at hydraulic oil filter rises above a specified value, hydraulic oil filter restriction switch opens. A signal is sent to engagement and monitor unit (EMU). The EMU indicates a plugged hydraulic oil filter. [See Engagement and Monitor Unit \(EMU\) Circuit Theory of Operation](#) . (Group 9015-15.) If pressure differential at hydraulic oil filter continues to rise above specified value, hydraulic oil filter bypass valve opens. Unfiltered hydraulic oil then flows directly to the hydrostatic system.

For more information, [see Hydraulic System Schematic](#) . (Group 9025-15.)

## High Flow Pump Operation—If Equipped



### TX1249044-UN: High Flow Hydraulic Circuit

**LEGEND:**

- 6 - To Hydraulic Oil Cooler
- 7 - From Hydraulic Oil Reservoir
- 8 - To Return Manifold
- 46 - Charge Pump
- 53 - Return Manifold
- 62 - High Flow Valve
- 63 - High Flow Spool
- 64 - High Flow Relief Valve
- 66 - High Flow Pump
- 68 - Hydraulic Oil Reservoir
- 69 - Hydraulic Oil Cooler
- 75 - Hydraulic Control Valve
- 91 - Auxiliary Solenoid (female) Spool
- 93 - Auxiliary Spool
- 94 - Auxiliary Solenoid (male) Spool
- 114 - Auxiliary Coupler Manifold
- 115 - Female Auxiliary Port
- 118 - Male Auxiliary Port
- 119 - Auxiliary Case Drain Port
- 168 - Male Auxiliary Port Connect Under Pressure (CUP) Valve
- 169 - Female Auxiliary Port Connect Under Pressure (CUP) Valve
- 202 - Hydraulic Oil Reservoir-to-Charge Pump and High Flow Pump Line (if equipped)
- 204 - Supply Oil From High Flow Pump to High Flow Valve
- 205 - High Flow Pump-to-Hydraulic Control Valve Line
- 237 - Hydraulic Control Valve-to-Hydraulic Oil Cooler Line
- 244 - Return Manifold-to-Hydraulic Oil Reservoir Line