New Hose Routing In Hydraulic Auxiliary Pilot Lines Allows Operator To Relieve Pressure

320B (1XS),
320B L (7JR, 9WS, 6LW),
320B LN (3YZ),
320B N (2AS),
320B S (5MS),
322B L (2ES),
322B LN (1ZS),
325B L (6DN, 4DS, 5BS),
325B LN (8FN),
330B L (3YR, 4RS, 5LS),
330B LN (5LR) Excavators

Description of Change: On excavators that are equipped with auxiliary hydraulic circuits, hydraulic pressure builds up in the auxiliary lines even if the operator is not using the auxiliary equipment. Three hoses in the hydraulic pilot lines are affected in order to allow an operator to relieve high pressure in the auxiliary circuit. This pressure may rise above 200 bar (2900 psi) when the equipment is operated in the existing machine configuration. When the engine is stopped, the operator is unable to relieve the pressure in the auxiliary lines by pushing on the pilot control lever switch.

Adaptable To: Some hoses are changed to route the oil differently. A new connection is created when a hose is added from the "P" port on the auxiliary circuit solenoids to the "PSA" port on the pilot manifold. The new routing is shown in Illustration 2. The new routing will allow the operator to relieve the pressure in the auxiliary circuit by pushing on the switches in the pilot control valve after the engine is shut off.

The following changes are effective with 320B (1XS791), 320B L (7JR1561, 9WS184, 6LW328), 320B LN (3YZ480), 320B S (5MS443), 322B L (2ES708), and 322B LN (1ZS403) Excavators. The changes are also effective with 325B L (6DN923, 4DS192, 5BS223), 325B LN (8FN790), 330B L (3YR835, 4RS411, 5LS221) and 330B LN (5LR527) Excavators.

Use the table to remove or add specific hoses according to the respective excavator model that is listed.
Refer to Illustration 1 to perform the following:

1. Remove Hose (1) that connects port "P" on the auxiliary circuit pressure reducing valve group to port "PAT" on the main control valve.

2. Remove Hose (2) that connects port "Pi1" on the pilot manifold to port "PAT" on the main control valve.
Refer to Illustration 2 to perform the following:

1. Add Hose (3) that connects port "P" on the auxiliary circuit pressure reducing valve group to port "PSA" on the pilot manifold.