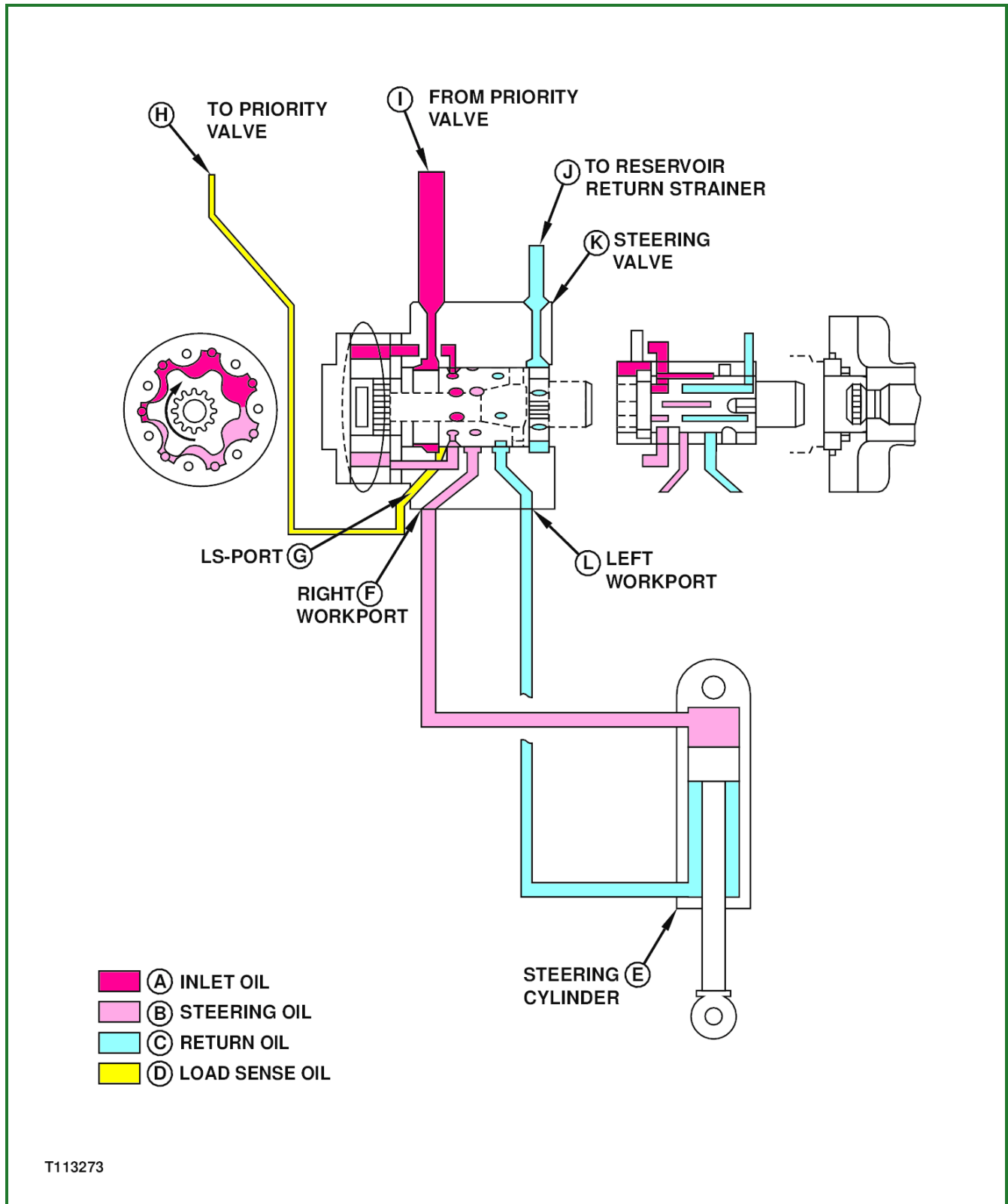


Steering Circuit



T113273-19: Steering Circuit Right Turn

LEGEND:

- A - Inlet Oil
- B - Steering Oil
- C - Return Oil
- D - Load Sense Oil
- E - Steering Cylinder
- F - Right Workport
- G - Load Sense Port
- H - To Priority Valve

I - From Priority Valve
J - To Return/Suction Filter
K - Steering Valve
L - Left Workport

Oil to the steering valve (K) is supplied from the priority valve.

Oil in the steering valve flows through the sleeve and spool assembly to the gerotor, then back through the sleeve and spool and out through the right work port (F). The load sense port (G) on the steering valve supplies load-sensing flow to the load sense section of the priority valve.

The steering flow is then routed to the double-acting steering cylinder (E).

Return flow from the steering cylinder is routed back through the left workport (L) to the steering valve. From there it flows through the sleeve and spool and then exits the steering valve and is routed through the return/suction filter.

When steering is stopped, the load sense port is opened to return through the steering valve. Load sense port flow through the steering valve is also used as a cold oil warm-up circuit for the steering valve.

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