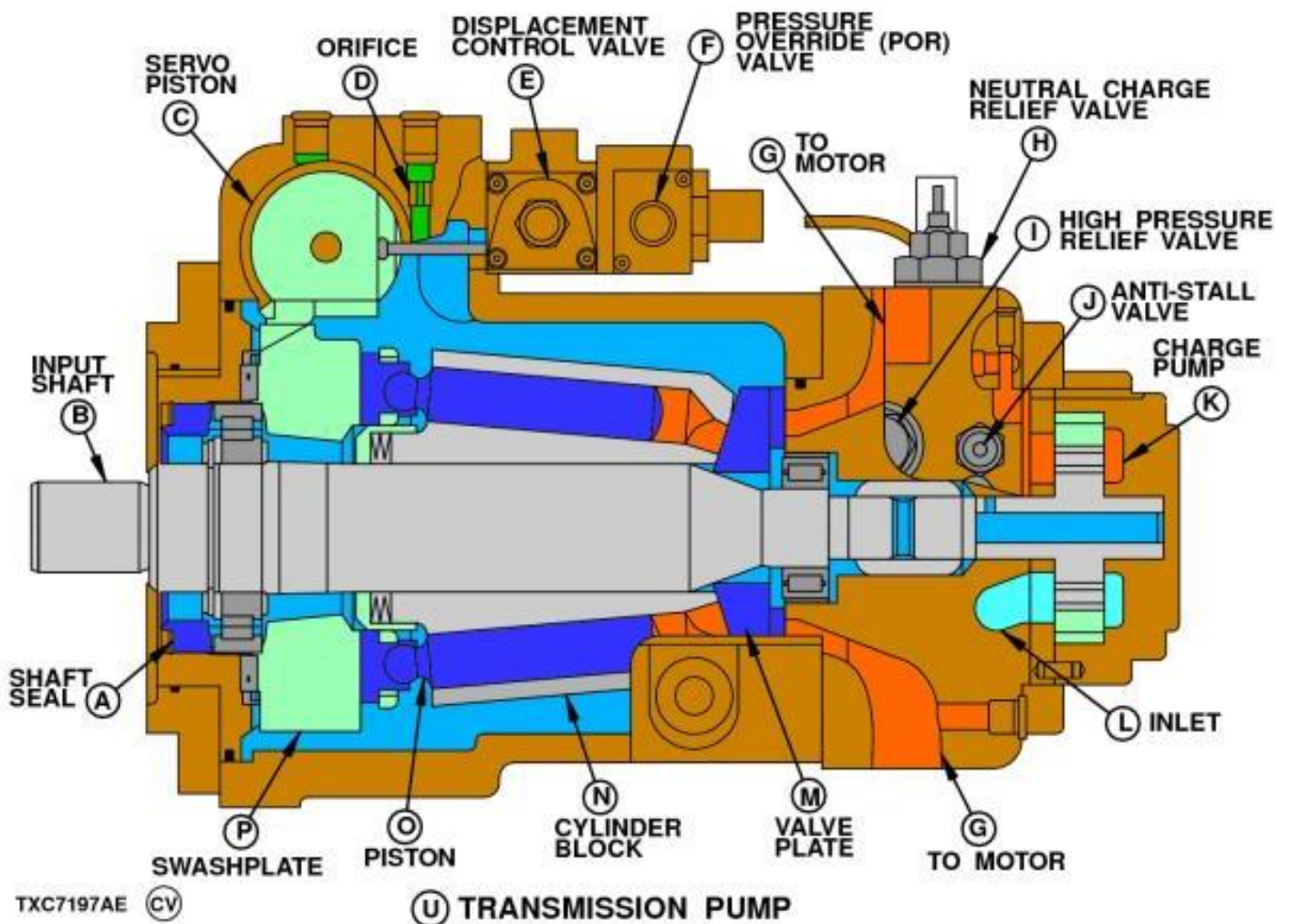
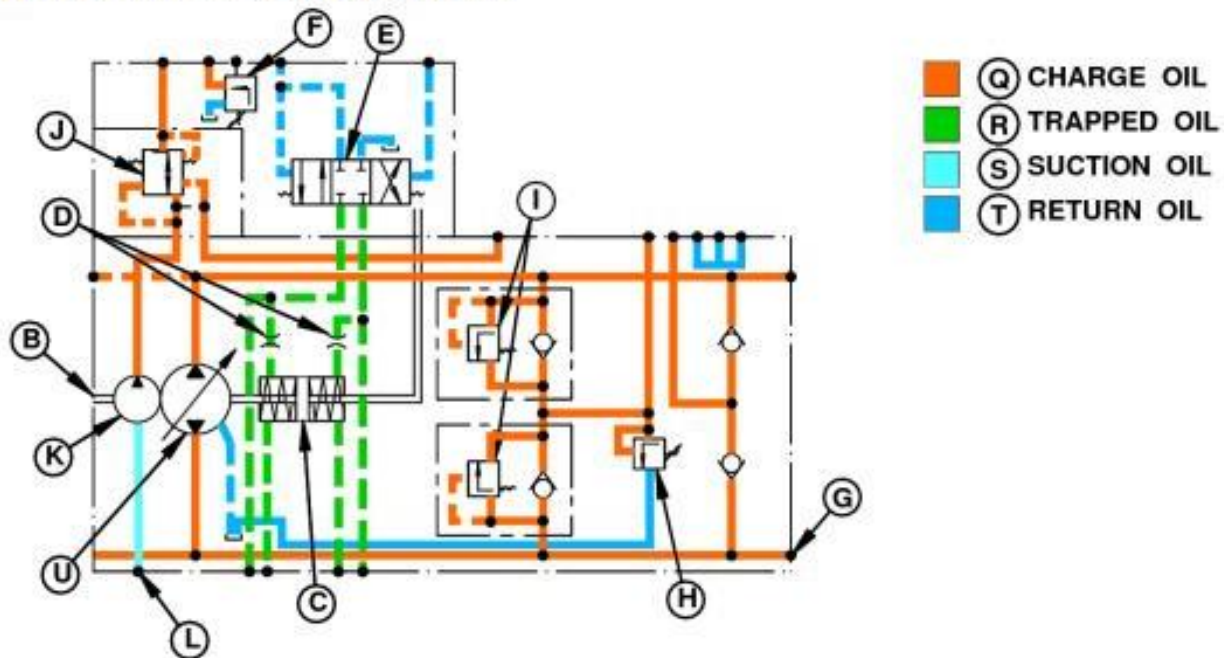


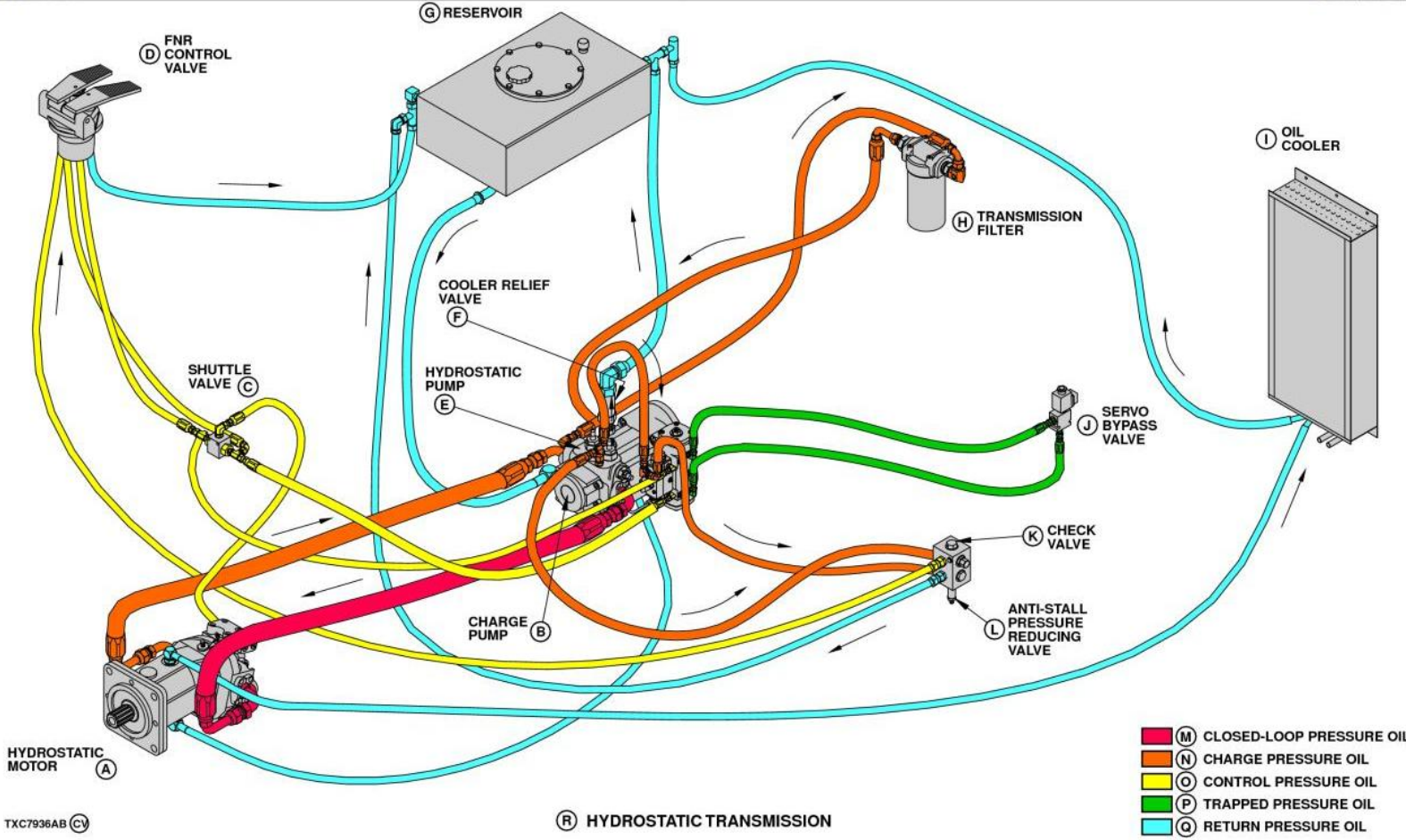
Please note this manual is in **downloadable PDF format only**. If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.

Hydrostatic Pump Operation



Transmission Pump

The hydrostatic pump (U) in the 643D is similar in design to the pump used on the 643. It is manufactured by the same company, but is a larger capacity pump and the operation of some of the components is different. The pump is a swashplate design, variable displacement axial piston pump. It mounts to the pump drive gearbox and is driven at engine speed.



HYDROSTATIC MOTOR (A)

TXC7936AB (CV)

Hydrostatic Transmission

(G) RESERVOIR

(D) FNR CONTROL VALVE

SHUTTLE VALVE (C)

COOLER RELIEF VALVE (F)

HYDROSTATIC PUMP (E)

(H) TRANSMISSION FILTER

(I) OIL COOLER

(J) SERVO BYPASS VALVE

(K) CHECK VALVE

(L) ANTI-STALL PRESSURE REDUCING VALVE

CHARGE PUMP (B)

(R) HYDROSTATIC TRANSMISSION

- (M) CLOSED-LOOP PRESSURE OIL
- (N) CHARGE PRESSURE OIL
- (O) CONTROL PRESSURE OIL
- (P) TRAPPED PRESSURE OIL
- (Q) RETURN PRESSURE OIL



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