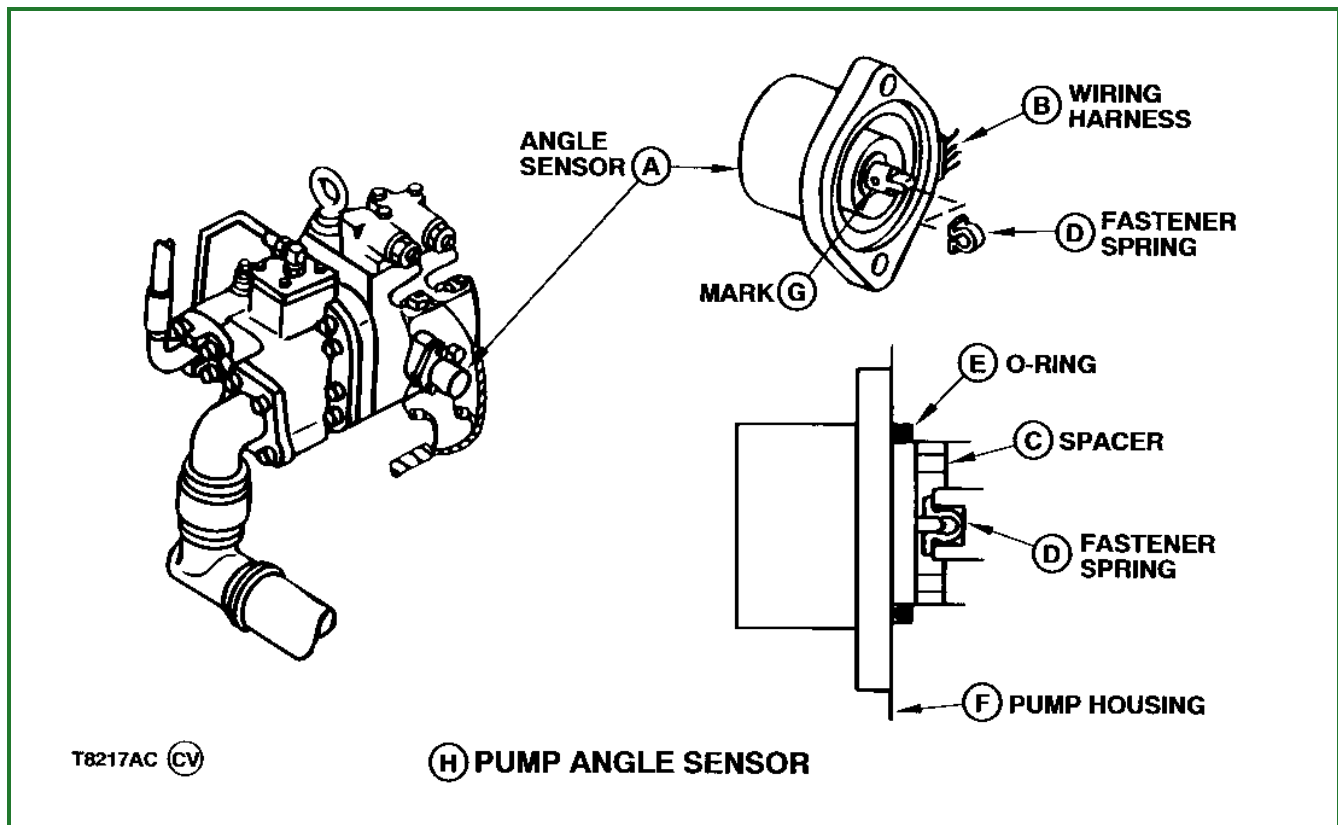


Main Hydraulic Pump Angle Sensor (A Sensor) Operation



T8217AC-19: Main Hydraulic Pump Angle Sensor (A Sensor) Operation

Pump angle sensor (A) is located on the side of hydraulic pump. The A sensor is connected mechanically through linkage to the pump valve plate. The A sensor measures the angle of the pump by converting the position of valve plate to a DC voltage signal. The signal is sent to the pump and valve controller (PVC).

NOTE:

The pump angle determines the pump displacement.

The A sensor must be installed and adjusted correctly so the correct electrical signal indicating pump angle is sent to the PVC for accurate pump flow control.

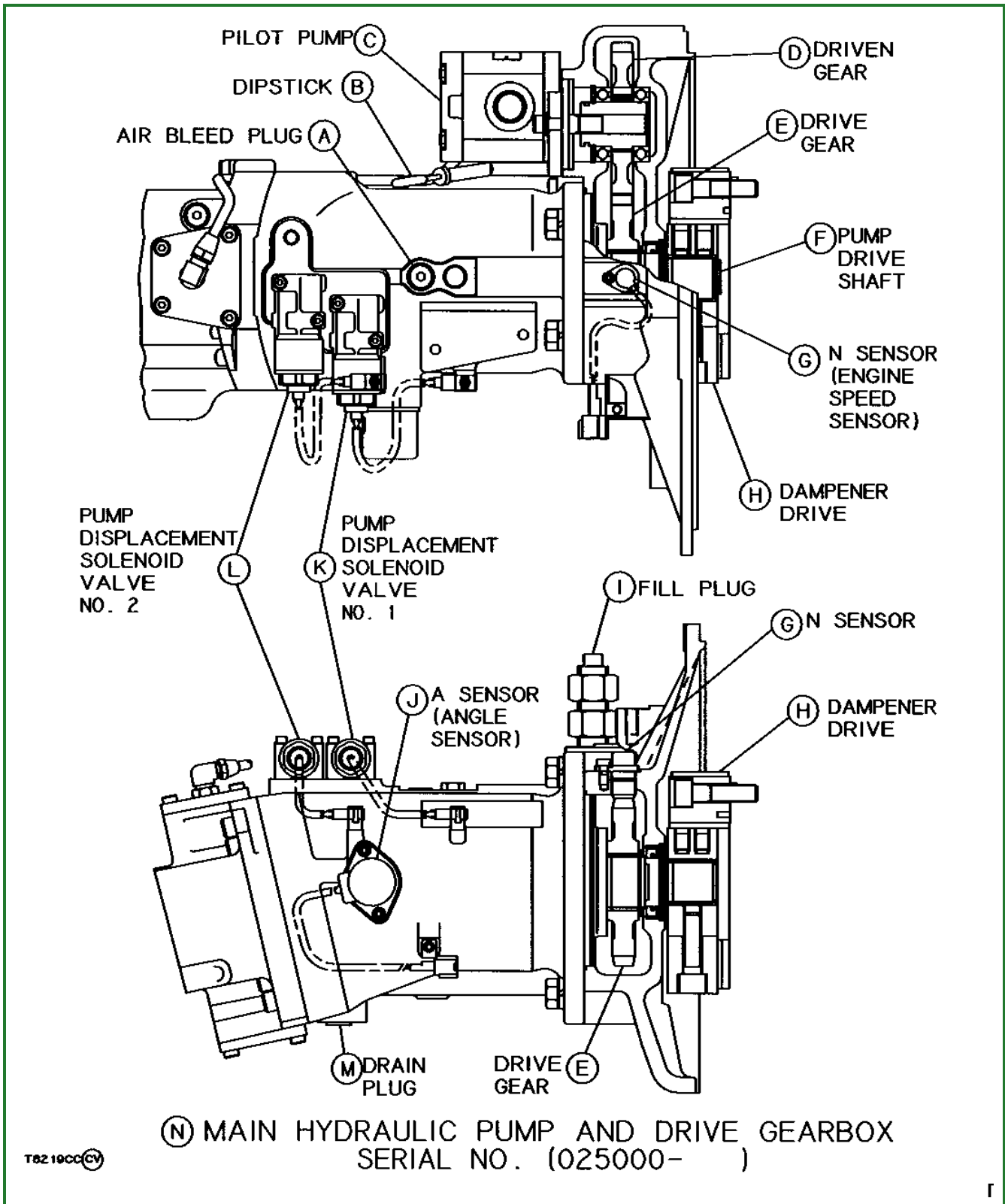
The punch mark (G) on A sensor shaft must be towards the side opposite the wiring harness (B). Wiring harness must be towards the inlet and outlet port end when A sensor is installed on pump housing (F).

The cap screw holes in A sensor housing are slotted so sensor can be rotated for adjustment. (See [Hydraulic Pump Angle Sensor Adjustment](#) in Group 9015-20.)

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Main Hydraulic Pump And Drive Gearbox-Serial No. (025000-)



T8219CC-19: Main Hydraulic Pump & Drive Gearbox Serial No. (025000-)

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