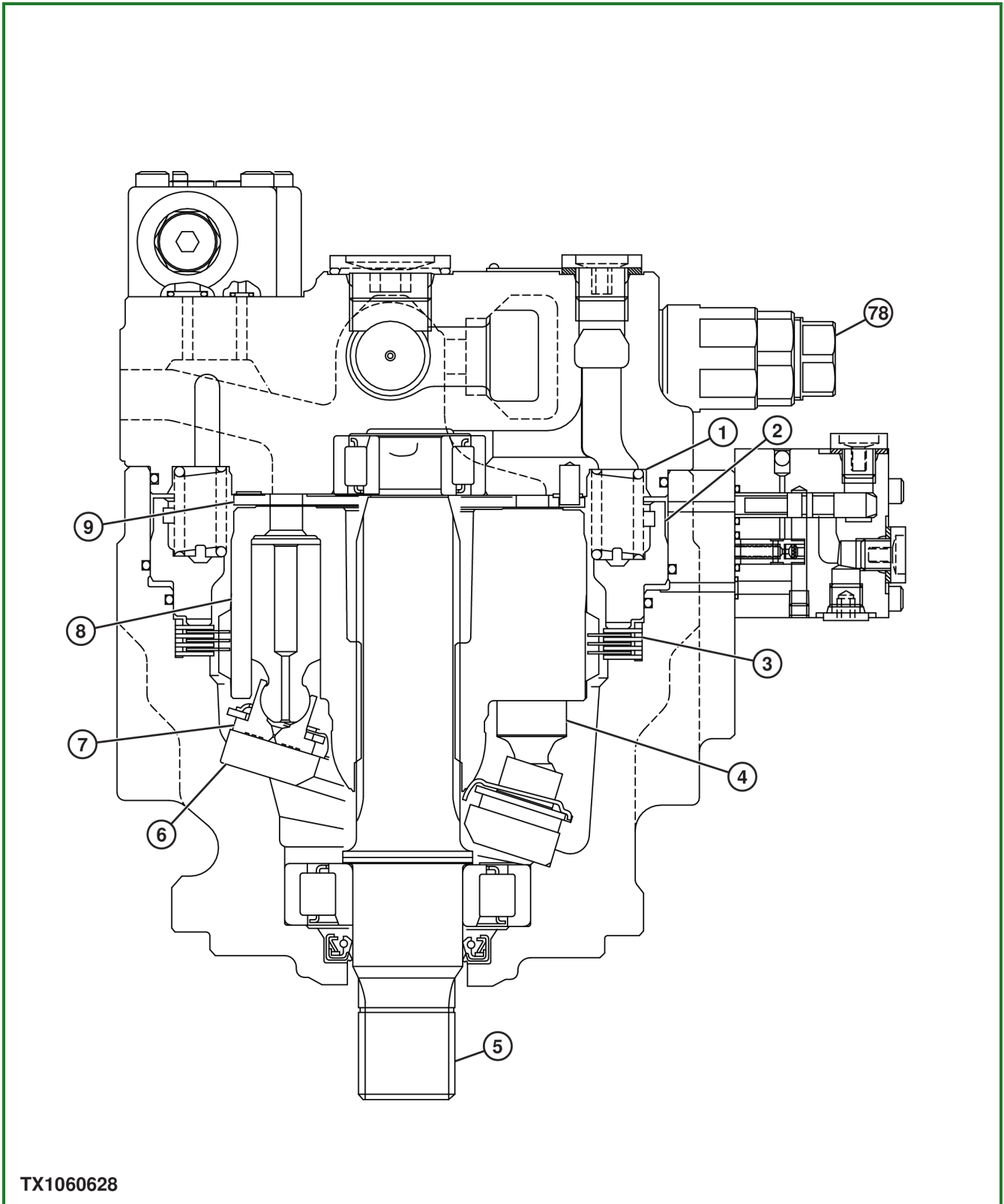


Swing Motor, Crossover Relief Valve, and Make-Up Check Valve Operation



TX1060628

TX1060628-UN: Swing Motor

LEGEND:

- 1 - Brake Spring
- 2 - Brake Piston
- 3 - Brake Pack
- 4 - Piston
- 5 - Shaft
- 6 - Swash Plate
- 7 - Shoe
- 8 - Cylinder Block

9 - Valve Plate

78 - Swing Crossover Relief Valve

Swing Motor —The swing motor is a fixed displacement axial piston motor. It consists of a swash plate (6), cylinder block (8), valve plate (9), and swing park brake. The swing park brake consists of a brake spring (1), brake piston (2), and a brake pack (3) of friction plates and mating plates. The pistons (4) are inserted into cylinder block which is splined to the shaft (5). The pistons are pushed by pressurized oil from pump. Shoes (7) slide over swash plate so that the cylinder block rotates. The shaft is splined to the first stage sun gear of the swing reduction gearbox. The rotation of the shaft is transmitted to the swing reduction gearbox. [See Swing Reduction Gear Case Operation](#) . (Group 9025-05.)

Go to [Section_9025:Group_05](#)

MM16284,0000E2F-19-20091208