

# Replacement Seeder Parts and Shaft Installation Sheet

## Assemble the Replacement Parts

### Electric Motors

FIGURE 1. Components Removed



1. Remove the electric motor, drive coupler, and housing flange from the motor side of the seed meter.

FIGURE 2. Shaft and Flange Removed



2. Remove the existing meter shaft.
3. Install the supplied meter shaft (P/N 107-0172-156), positioning it so that the two holes in the shaft are located on motor mounting side.
4. Transfer the shims from the shaft that was removed to the replacement shaft.

FIGURE 3. Replacement Parts Assembly



5. Using the parts in the replacement parts kit (P/N 117-3001-091), assemble the parts to create a replica of the other end of the machine's mounting assembly.
6. Ensure the seed meter is properly shimmed and aligned.

## Ground Drives

1. Disconnect and remove the existing ground drives from the seed meter shaft.
2. Remove the existing meter shaft.
3. Install the replacement meter shaft (P/N 107-0172-156) so that the two holes are located on the left side of the meter.
4. Reassemble the housing.

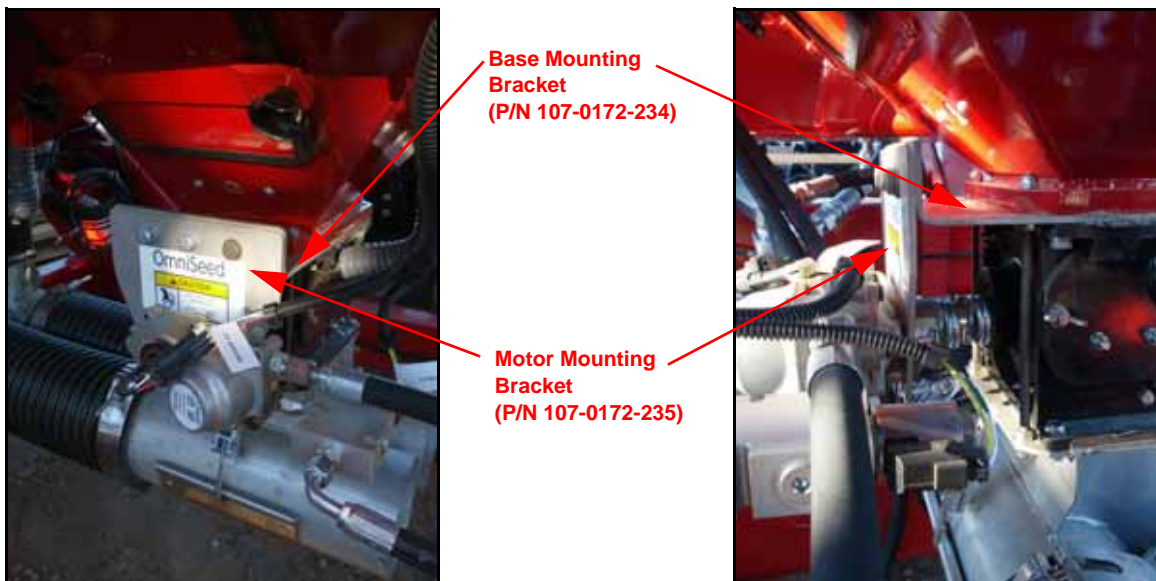
## Mount the Motor

1. Loosen and remove the top nuts on the fully-threaded support rod (if equipped).
2. Loosen and remove the four bolts used to secure the seed meter to the seed bin flange.
3. Place the base mounting bracket (P/N 107-0172-234) on top of the seed meter with the formed flange on the motor mounting side.
4. Ensure the formed flange points up. Refer to Figure 4 for mounting details.
5. Secure the seed meter to the seed bin flange using four M8 x 1.25 x 25 mm mounting bolts (P/N 311-0070-001).

**Note:** Adjust the nuts on the threaded support rod (if equipped) as necessary.

6. Mount the hydraulic motor (P/N 416-8000-001) to the motor mounting bracket (P/N 107-0172-235) using two 3/8" x 2-1/2" bolts (P/N 311-0054-111) and two 3/8" flanged lock nuts (P/N 312-1001-164).
7. Secure the motor mounting bracket (P/N 107-0172-235) to the base mounting bracket (P/N 107-0172-234) using three 3/8" x 1" hex bolts (P/N 311-0054-105) and three 3/8" flanged lock nuts (P/N 312-1001-164).
8. Insert the motor shaft coupler (P/N 107-0172-157) into the hydraulic motor.
9. Secure the shaft coupler to the meter shaft using the quick pin supplied in the replacement parts kit.

FIGURE 4. Motor Mounting



10. Select a suitable mounting location for the PWM valve (P/N 063-0131-144) on the bracket or machine.