

### QD 2000 BEARING KIT C-35452-T, C-35452

Remove both old bearing and locking collar from shaft. Discard. **DO NOT** reuse old bearing or locking collar.

Before mounting, inspect the shaft. It should be free of nicks and burrs. The bearing seats must be perfectly round and not tapered. If the shaft is too worn to properly seat the bearing - replace it.

Open the bearing package only when ready to install the bearing. Handle bearings with clean, dry hands and with clean rags. The bearings supplied in this kit are not standard. They have been modified to perform in this application. **DO NOT USE STANDARD BEARINGS.**

**WARNING: Do not hit or strike inner or outer races of bearings. Use arbor press and tools.**

#### INSTALLATION

##### Step 1

Note: Make sure shaft is in the inverted position as shown in Diagram A. First press the larger bearing (760-09377 1.38" OD x .59" ID) on the shaft. To press the bearing on the shaft, fit the press-on tool (573-35449 included with Service Kit C-35452-T) over the shaft and rest it on the **inner race**. Be sure the bearing is square on the shaft, then apply light, steady pressure to seat the bearing (Diagram B).

**Note: Press bearings onto shaft with arbor press and tools.**

##### Step 2

Next install the locking collar (583-32931) on behind the large bearing. Use the same tool to press the locking collar on the shaft. Fit the press-on tool over the shaft and rest it on the inner race. (Refer to Diagram B for the position of the press-on tool.)

##### Step 3

Install the smaller bearing (760-09376 32mm OD) on the shaft next. Use the same press-on tool and follow the instructions in Step 1. (Diagram B.)

##### Step 4 Mounting the shaft into the housing

Note: In order to install shaft into the housing it should be inverted once again. (See Diagram A.)

Place the wave spring into the lower bearing bore of the bearing housing. See Diagram A for placement of wave spring (765-08407). Put the bearing shaft assembly into the bearing housing and fit the press-on tool (583-35450) over the shaft and rest it on the **outer race** of the bearing. Note: the 1.25" OD tool (583-35450) should be used to press the shaft into the housing. Be sure the shaft assembly is square to the bearing housing, then apply light pressure to seat the shaft. If you have to use force, parts are not aligned. (Refer to diagram C.)

Attach bearing retainer plate with 3 screws and lock washers. After the assembly is complete, rotate the shaft by hand to check for excessive bearing drag. The shaft should spin freely.

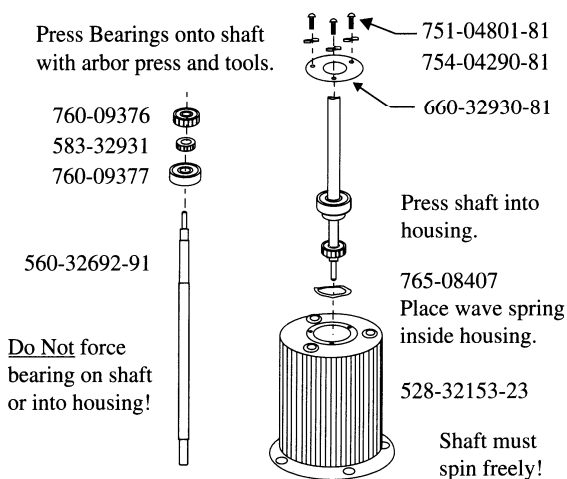


Diagram A

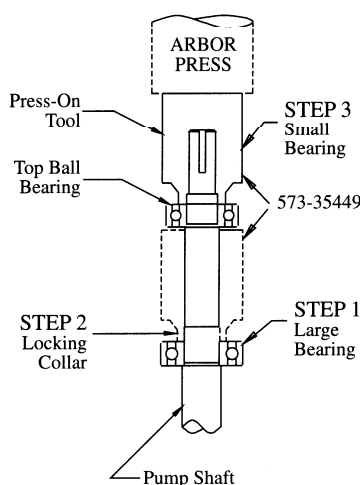


Diagram B

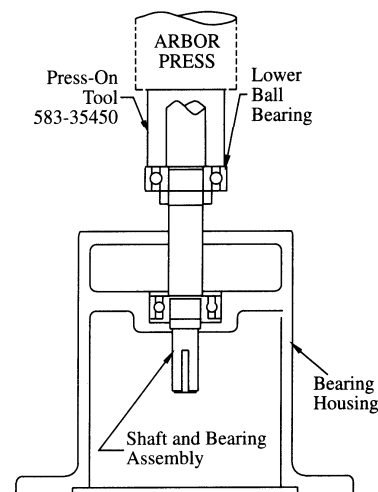


Diagram C

### QD 3100/4100 BEARING KIT C-35453-T, C-35453

Remove both old bearings and locking collar from shaft. Discard. **DO NOT** reuse old bearings or locking collar.

Before mounting, inspect the shaft. It should be free of nicks and burrs. The bearing seats must be perfectly round and not tapered. If the shaft is too worn to properly seat the bearing - replace it.

Open the bearing package only when ready to install the bearing. Handle bearings with clean, dry hands and with clean rags. The bearings supplied in this kit are not standard. They have been modified to perform in this application. **DO NOT USE STANDARD BEARINGS.**

**WARNING: Do not hit or strike inner or outer races of bearings. Use arbor press and tools.**

#### INSTALLATION

##### Step 1

Note: Make sure shaft is in the inverted position as shown in Diagram A. First press the larger bearing (760-09379 1.575 OD x .669 ID) on the shaft. To press the bearing on the shaft, fit the press-on tool (573-35449 included in Service Kit C-35453-T) over the shaft and rest it on the **inner race**. Be sure the bearing is square on the shaft, then apply light, steady pressure to seat the bearing (Diagram B).

**Note: Press bearings onto shaft with arbor press and tools.**

Press Bearings onto shaft with arbor press and tools.

760-09377  
583-29794  
760-09379

560-33525-91

Do Not force bearing on shaft or into housing!

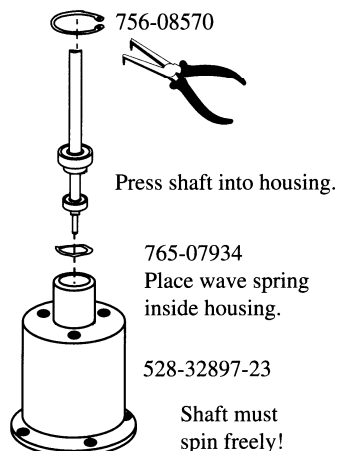


Diagram A

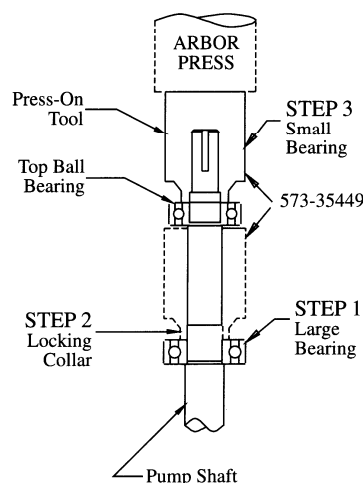


Diagram B

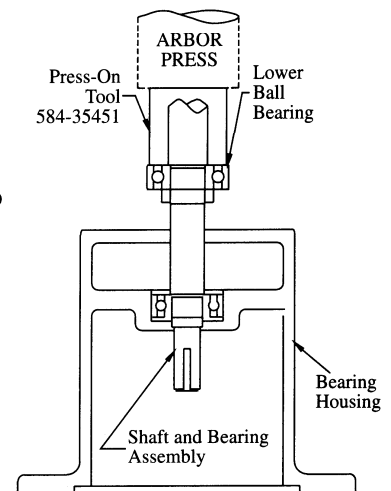


Diagram C

##### Step 2

Next install the locking collar (583-29794) on behind the large bearing. Use the same tool to press the locking collar on the shaft. Fit the press-on tool over the shaft and rest it on the inner race. (Refer to Diagram B for the position of the press-on tool.)

##### Step 3

Install the smaller bearing (760-09377 1.38 OD x .59 ID) on the shaft next. Use the same press-on tool and follow the instructions in Step 1 (Diagram B).

##### Step 4 Mounting the shaft into the housing

Note: In order to install shaft into the housing it should be inverted once again. (See Diagram A.)

Place the wave spring into the lower bearing bore of the bearing housing. See Diagram A for placement of wave spring (765-07934). Put the bearing shaft assembly into the bearing housing and fit the press-on tool (584-35451) over the shaft and rest it on the **outer race** of the bearing. Note: the 1.5" OD tool (584-35451) should be used to press the shaft into the housing. Be sure the shaft assembly is square to the bearing housing, then apply light pressure to seat the shaft. If you have to use force, parts are not aligned. (Refer to diagram C.)

Insert snap ring. After the assembly is complete, rotate the shaft by hand to check for excessive bearing drag. The shaft should spin freely.