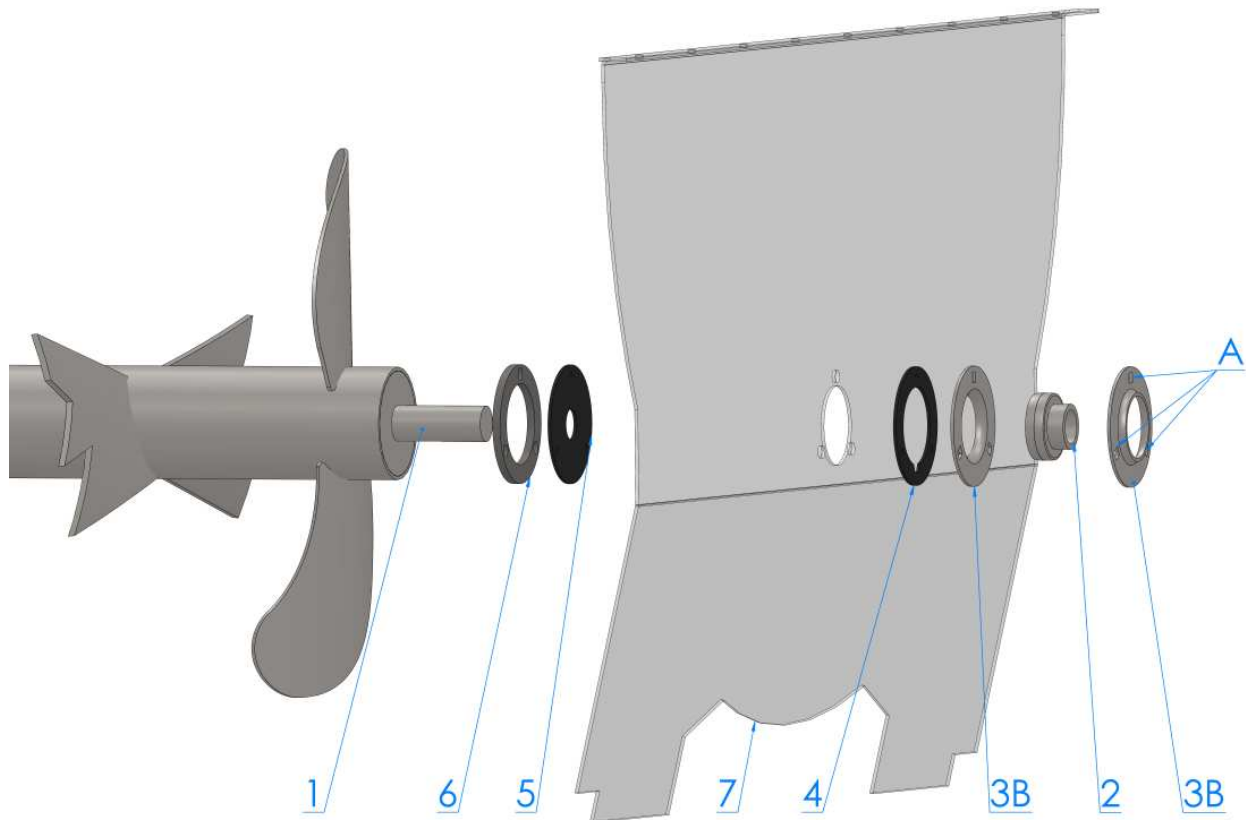


AGITATOR MAINTENANCE



ITEM NO.	PART NO	DESCRIPTION	QTY.
1	10282	Agitator 74" Tank	1
2	28201	Agitator Bearing	1
3A	28242	Outer Flange	2
3B	28242	Inner Flange	2
4	28251	Agitator Rubber Seal - Outside Tank	1
5	28252	Agitator Rubber Seal – Inside Tank	1
6	28255	SS Ring - Agitator Seal	1
7		Tank End	
8	41204	3/8"-16 x 1 3/4" 18-8 SS Hex Cap Screw	3
9	41216	3/8"-16 18-8 SS Hex Nut	3
10	41221	3/8"18-8 Split Lock Washer	3
11	40225	3/8" Galvanized Sealing Washer	3

FRONT BEARING REPLACEMENT

1. Turn off motor and remove the key during maintenance.
2. Remove the three 3/8" hex cap screws (A) that hold the Outer Flange (3A) to Tank End (7). Cutting the bolts may be necessary. Replacement hardware is provided in the repair kit.
3. Loosen set screws from Agitator Bearing (2)
4. Loosen and remove the Agitator Bearing (2) from the drive shaft of the Agitator. Corrosion between the bearing and shaft may require the use of cutting tools to remove the bearing. Use caution to insure that the drive shaft of the Agitator is not harmed.
5. Remove the Inner Flange (3B).
6. Remove both the Inside and Outside Seals (4 & 5)
7. Use emery cloth to polish the drive shaft making the installation of the new bearing easier.
8. Go to the instructions for Back Bearing Replacement at this time if both bearings are being replaced, otherwise proceed to step 9.
9. Place new Inside Seal (5) over end of drive shaft and work it through the hole in the Tank End to the inside of the tank.
10. From inside the tank insert the three hex cap screws and sealing washers through the Stainless Steel ring, Inner Rubber Seal and Tank wall.
11. Sandwich the Bearing (2) between the two Flanges (3A & 3B). Align the small hole on the Inner Flange (3B) with the grease zerk of the Outer Flange (3A).
12. Align the notch of the Outside Seal (4) with the grease zerk of the Flanges and slide the whole assembly over end of drive shaft and bolts.
13. Place lock washers and nuts on hex cap screws and tighten to 12ft lbs of torque.

BACK BEARING REPLACEMENT

1. Turn off motor and remove the key during maintenance.
2. Remove the Front Bearing from the Agitator shaft. See directions above.
3. Place the Agitator Handle in its idle position.
4. Remove Sheet Metal panels to allow access to maintenance area.

5. Remove the three 3/8" hex cap screws (A) that hold the Outer Flange (3A) to Tank End (7). Cutting the bolts may be necessary. Replacement hardware is provided in the repair kit.
6. Loosen set screw from Agitator Bearing (2)
7. Loosen and remove the Agitator Bearing (2) from the drive shaft of the Agitator. Corrosion between the bearing and shaft may require the use of cutting tools to remove the bearing. Use caution to insure that the drive shaft of the Agitator is not harmed.
8. Remove the Inner Flange (3B).
9. Remove both the Inside and Outside Seals (4 & 5)
10. Use emery cloth to polish the drive shaft making the installation of the new bearing easier.
11. Go to the instructions for Back Bearing Replacement at this time if both bearings are being replaced, otherwise proceed to step 12.
12. Place new Inside Seal (5) over end of drive shaft and work it through the hole in the Tank End to the inside of the tank.
13. From inside the tank insert the three hex cap screws and sealing washers through the Stainless Steel ring, Inner Rubber Seal and Tank wall.
14. Sandwich the Bearing (2) between the two Flanges (3A & 3B). Align the small hole on the Inner Flange (3B) with the grease zerk of the Outer Flange.
15. Align the notch of the Outside Seal (4) with the grease zerk of the Flanges and slide the whole assembly over end of drive shaft and bolts.
16. Place lock washers and nuts on hex cap screws and tighten to 12ft lbs of torque.
17. Replace all sheet metal in its original position to insure safety.

AGITATOR PART REPAIR LIST

PART NO	DESCRIPTION	QTY.
28221	Front Bearing Kit (all seals, etc.)	
	Bearing and Flange Assembly Front	1
	Agitator Rubber Seal – Outside Tank	1
	Agitator Rubber Seal – Inside Tank	1
	3/8"16 1 3/4 18-8 SS Hex Cap Screws	3
	3/8"16 18-8 SS Hex Nut	3
	3/8" 18-8 SS Split Lock Washer	3
	3/8" Galvanized Sealing Washer	3
28222	Rear Bearing Kit (all seals, etc.)	
	Bearing and Flange Assembly Back	1
	Agitator Rubber Seal – Outside Tank	1
	Agitator Rubber Seal – Inside Tank	1
	3/8"16 1 3/4 18-8 SS Hex Cap Screws	3
	3/8"16 18-8 SS Hex Nut	3
	3/8" 18-8 SS Split Lock Washer	3
	3/8" Galvanized Sealing Washer	3
