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M074.1 BevMax 2 XY Motor Replacement

Revised 1/10/07

Models Affected: All BevMax 2 Venders prior to 8485-0405.

Reason: To provide a kit that includes all parts and instructions to replace obsolescent XY Motor.

Order: 1 - 647,010,30x.x4 BevMax 2 Double "D" XY Motor Replacement Kit

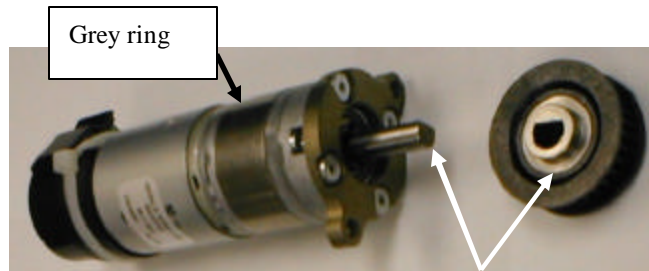
Includes:	1 – 804,501,42x.x1	XY Motor (new, large D shape shaft)
	1 – 805,300,66x.x1	needs pulley
	1 – 803,904,19x.x1	M074.x BevMax 2 XY Motor Replacement Instructions

On venders prior to 8541-0001 order 647,070,84x.x3 BevMax 2 X Motor Bracket Upgrade and instructions M082.x.

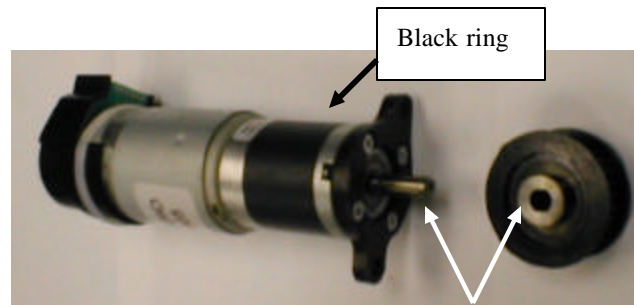
Installation Instructions:

X Motor Pages 1 & 2

Y Motor Pages 1 & 3



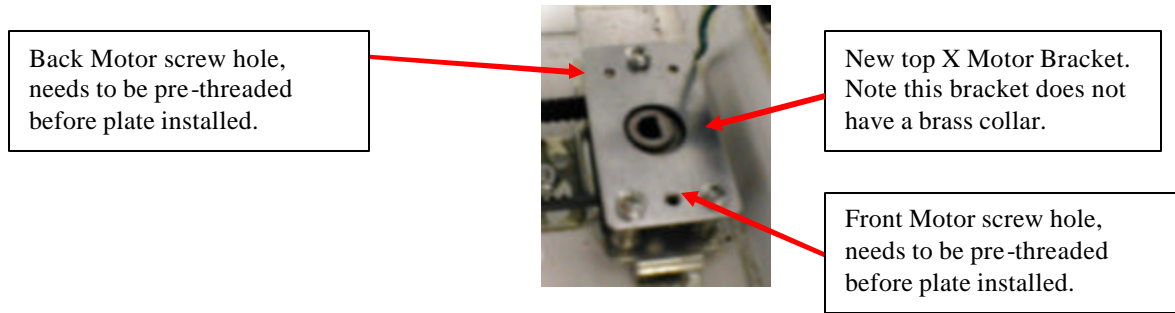
XY Motor Shaft 804,501,420.11 (new 8 mm single D large shaft)
Pulley 805,300,660.11 (new 8 mm single D large shaft)



XY Motor Shaft 804,501,410.11 (old 6mm double D small shaft) - Obsolete
Pulley 805,300,570.01 (old 6mm double D small shaft) - Obsolete

Installation Instructions X Motor (reference pictures on page 1 as needed):

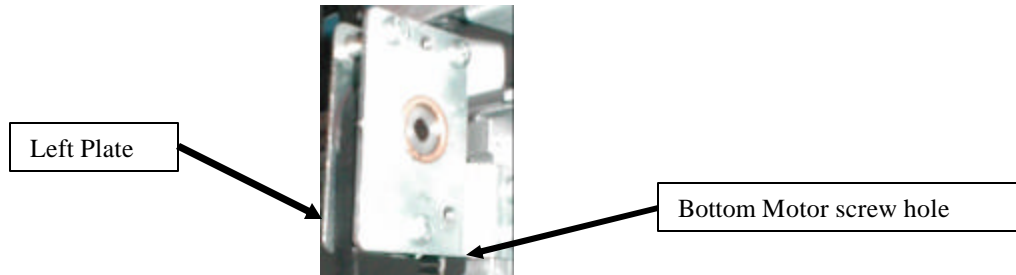
1. Remove power by turning on/off switch to the off position or unplugging Vender.
2. Remove tension on the X Belt.
 - a. Venders 8487-0001 and higher loosen locking nuts in bracket assembly and remove Belt from the top right Pulley.
 - b. Venders prior to 8487-0001 at the top left Pulley Assembly push the spring loaded screw toward the back of the machine to release tension on the Belt.
3. Remove the Motor Cover.
4. Unplug the X Motor.
5. Remove the failed Motor secured with 2 screws. Important: Dixie-Narco recommends using a hand screw driver when removing and installing the Motor and subsequent parts to reduce the chance of cross threading the screws and stripping the mounting plate holes.
6. In Venders prior to 8487-0001 you will need to remove the old Pulley. In Venders 8487-0001 and higher only loosen the 3 screws securing the Top Plate.
7. Remove the existing Top Plate (X motor bracket) secured with 3 screws. Important: Note the hole orientation of the Top Plate. The new Top Plate (X motor bracket) must be installed the same manner later to ensure proper alignment and operation. If grease or oil is present it is OK and do not remove.



8. In Venders prior to 8487-0001 install the new Pulley.
 9. In Venders prior to 8487-0001 install the Top Plate paying close attention to orient the plate in same way as when removed in step 7.
 10. In Venders prior to 8487-0001 install the 3 screws by starting them with your fingers to prevent cross threading and stripping out the mounting bracket. With a screw driver loosely secure the 3 screws, do not tighten at this time.
 11. Install the Motor by inserting the “single D” motor shaft in to the “single D” Pulley slot. Turn the Motor so the connector is facing the back of the Vender and the mounting holes align with the Top Plate mounting holes.
 12. Install the 2 screws by starting them with your fingers to prevent cross threading and stripping out the mounting bracket. With a screw driver loosely secure the 2 screws, do not tighten at this time.
- IMPOTANT: SECURE THE MOTOR USING THE STEPS 13 THROUGH 16 TO ENSURE THE MOTOR AND PULLEY SHAFTS ARE CENTERED.**
13. With a screw driver tighten the back Motor screw first. Ensure the Belt is on the Pulley side of the back Motor screw and not hitting the screw.
 14. Tighten the front Motor screw.
 15. Tighten the back screw in the Top Plate.
 16. Tighten the front 2 screws in the Top Plate.
 17. Plug in the Motor.
 18. Put tension back on the Belt and try moving the XY assembly left and right by hand.
 19. Apply power and test vend to confirm proper operation.
 20. If tests are OK, install Motor Cover removed in step 3.

Installation Instructions Y Motor (reference pictures on page 1 as needed):

1. Remove power by turning on/off switch to the off position or unplugging Vender.
2. Remove the Motor and Belt Covers.
3. Remove tension on the Y Belt by removing the Belt Tensioner Spring. Important: Note the orientation of the Tensioner Spring. It must be installed the same manner later to ensure proper tension and operation.
4. Ensure the Picker Cup is at the bottom or home position.
5. Unplug the Y Motor.
6. Remove the failed Motor secured with 2 screws. Important: Dixie-Narco recommends using a hand screw driver when removing and installing the Motor and subsequent parts to reduce the chance of cross threading the screws and stripping the mounting plate holes.
7. In Venders prior to 8487-0001 remove the old Pulley. In Venders 8487-0001 and higher only loosen the 3 screws securing the Left Plate.
8. In Venders prior to 8487-0001 remove the Left Plate secured with 3 screws. Important: Note the orientation of the Left Plate left side versus right side. It must be installed the same manner later to ensure proper alignment and operation. If syrup is present on the Left Plate clean it. If grease or oil is present it is OK and do not remove.



9. In Venders prior to 8487-0001 install the new Pulley.
10. In Venders prior to 8487-0001 install the Left Plate paying close attention to orient the plate in same way as when removed in step 8.
11. In Venders prior to 8487-0001 install the 3 screws by starting them with your fingers to prevent cross threading and stripping out the mounting bracket. With a screw driver loosely secure the 3 screws, do not tighten at this time.
12. Install the Motor by inserting the “single D” Motor shaft in the “single D” Pulley slot. Turn the Motor so the connector is facing the bottom of the Vender and the mounting holes align with the Top Plate mounting holes.
13. Install the 2 screws by starting them with your fingers to prevent cross threading and stripping out the mounting bracket. With a screw driver loosely secure the 2 screws, do not tighten at this time.
14. **IMPOTANT: SECURE THE MOTOR USING THE STEPS 13 THROUGH 16 TO ENSURE THE MOTOR AND PULLEY SHAFTS ARE CENTERED.**
15. With a screw driver tighten the top Motor screw first. Ensure the Belt is on the back side of the bottom screw and not hitting the bottom screw.
16. Tighten the bottom Motor screw.
17. Tighten the bottom screw in the Top Plate.
18. Tighten the top 2 screws in the Top Plate.
19. Put Tensioner Spring back on the Belt and try moving the Cup Assembly up and down by hand.
20. Plug in the Motor.
21. Install the Belt Cover removed in step 2. Note: The Tensioner Spring will catch on the E Chain if the Belt Cover is not present.
22. Apply power and test vend to confirm proper operation.
23. If tests are OK, install Motor Cover removed in step 2.