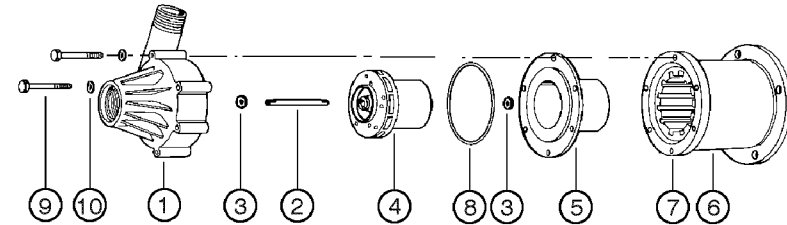


STEP 6

Position volute (item 1) onto backplate (item 5) making sure that volute mounting holes are aligned with holes in backplate and holes in drive magnet housing. Push volute (item 1) onto impeller shaft (item 2) checking for alignment of impeller shaft (item 2) to hole in center hub in volute (item 1). Push volute onto shaft until volute contacts o-ring (item 8).

STEP 7

Fix volute (item 1) to backplate (item 5) and drive magnet housing (item 6) using 1/4"-20 x 2" bolts (item 9) with 1/4" flat washer (item 11). Torque bolts (item 9) as indicated on assembly detail 'C'.



KEEP THIS FOLDER

File this for safekeeping. It may be valuable to you for service under the terms of the warranty.

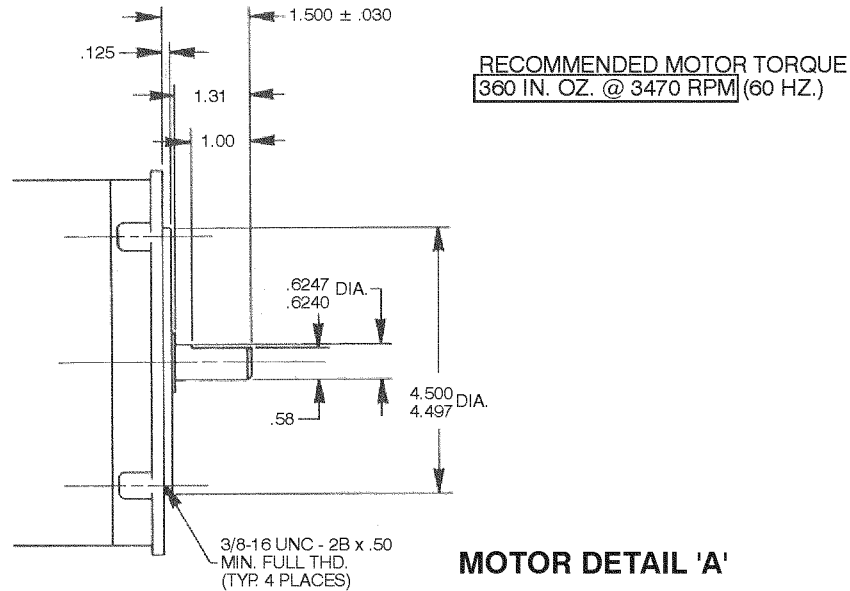
Model # _____ Date of Purchase _____

Catalog # _____ Serial # _____

Name of Dealer _____

ITEM NO.	PART NO.	DESCRIPTION	QTY.	7-MD-HC 587103	7-MD-HC 587106
1	187005	Volute, Ryton	1	•	
1	187015	Volute, Kynar	1		•
2	187056	Impeller Shaft	1	•	•
3	187085	Thrust Washer	2	•	•
4	187172	Impeller/Magnet Ass'y Ryton	1	•	
4	187174	Impeller/Magnet Ass'y Kynar	1		•
5	187023	Backplate, Ryton	1	•	
5	187024	Backplate, Kynar	1		•
6	187073	Drive Magnet Housing	1	•	•
7	187121	Drive Magnet Ass'y	1	•	•
8	924016	O-Ring	1	•	•
9	903712	1/4" - 20 x 2" Bolt	6	•	•
10	921050	1/4" Flat Washer	6	•	•

MOTOR IS NOT INCLUDED WITH THIS PUMPING HEAD. MOTOR DETAIL 'A' GIVES NECESSARY MOUNTING DIMENSIONS TO ACCOMMODATE THE 7-MD SERIES PUMPING HEAD.

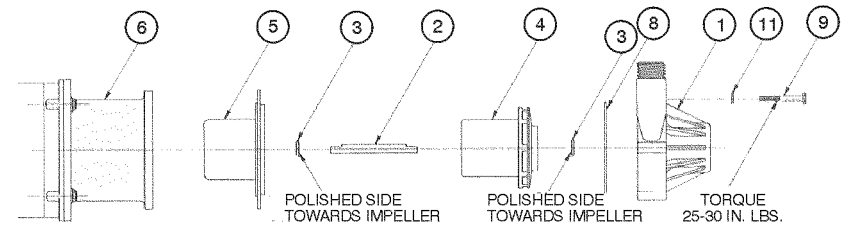
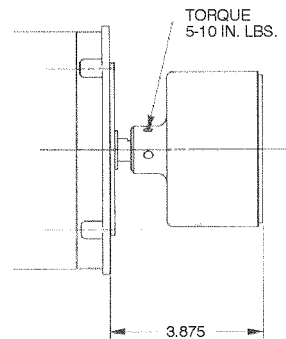


ASSEMBLY PROCEDURE

READ ALL STEPS THOROUGHLY BEFORE BEGINNING ASSEMBLY!

STEP 1

Slide drive magnet assembly (item 7) on motor shaft. Space drive magnet assembly to dimension indicated in assembly to detail 'B'. Tighten two set screws in drive magnet assembly to torque indicated.



ASSEMBLY DETAIL 'C'

STEP 2

Install drive magnet housing (item 6) to motor face.

STEP 3

Silicone lubricant may be applied to impeller shaft (item 2) and thrust washers (item 3) to decrease the wearing tendencies of these parts and the impeller/magnet assembly (item 4). Note: If one side of thrust washer (item 3) has a small black dot or indentation mark, then the reverse side is the polished side. Slip one thrust washer (item 3) onto the end of impeller shaft (item 2) with polished side of thrust washer facing toward the opposite end of the impeller shaft as shown in assembly detail 'C'. Insert that same end of impeller shaft (item 2) into boss in backplate (item 5). Silicone lubricant may also be used to hold thrust washer (item 3) to shaft (item 2) during this procedure.

STEP 4

Position backplate (item 5) into drive magnet housing (item 6). Slide impeller/magnet assembly (item 4) onto shaft. Use caution while doing this so as not to allow the impeller/magnet assembly (item 4) to slam into the backplate (item 5) due to the magnetic attraction of the drive magnet assembly (item 7), because this could damage the backplate. Slip one thrust washer (item 3) onto end of shaft (item 2) with polished side facing toward impeller/magnet assembly (item 4).

STEP 5

Install o-ring (item 8) into gland on backplate (item 5). If difficulty occurs, vaseline may be used to get o-ring (item 8) to stay in the gland on backplate (item 5).