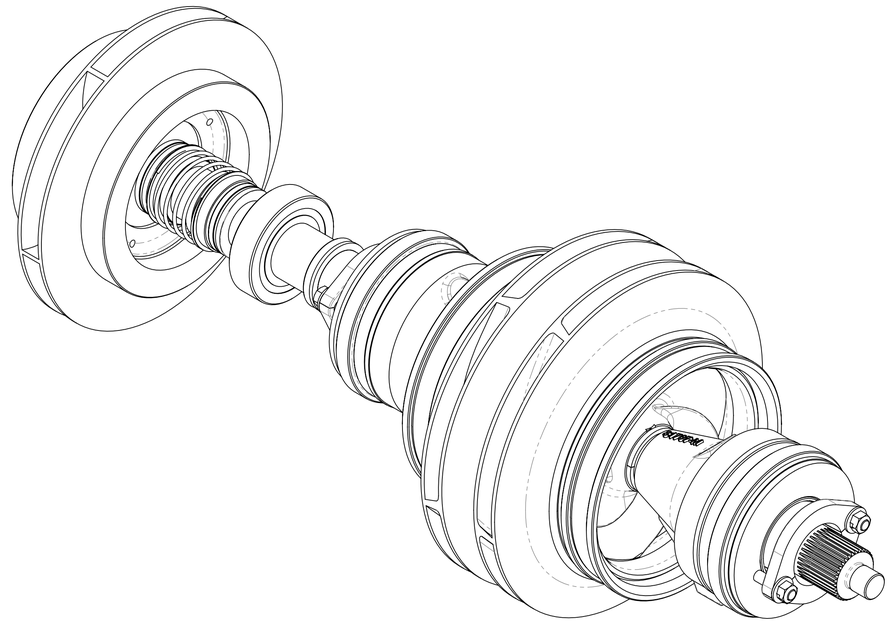
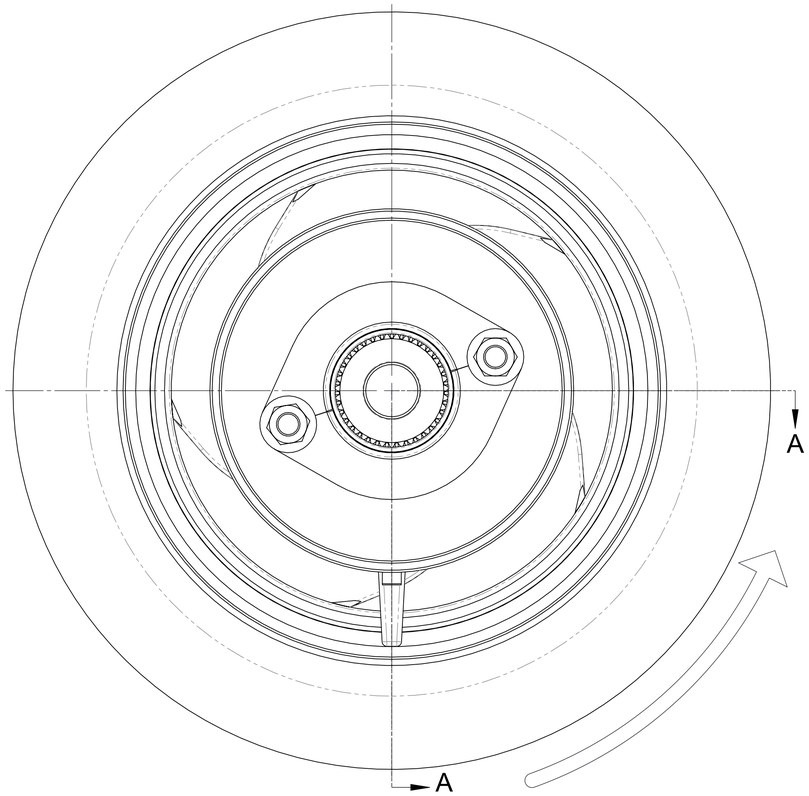
Document Number	Issue Date	Rev. Date
SPL83932	01/30/23	01/30/23

CMCGV/CMUCGV '23 Combination (High Rise) Pump Impeller Shaft Assembly

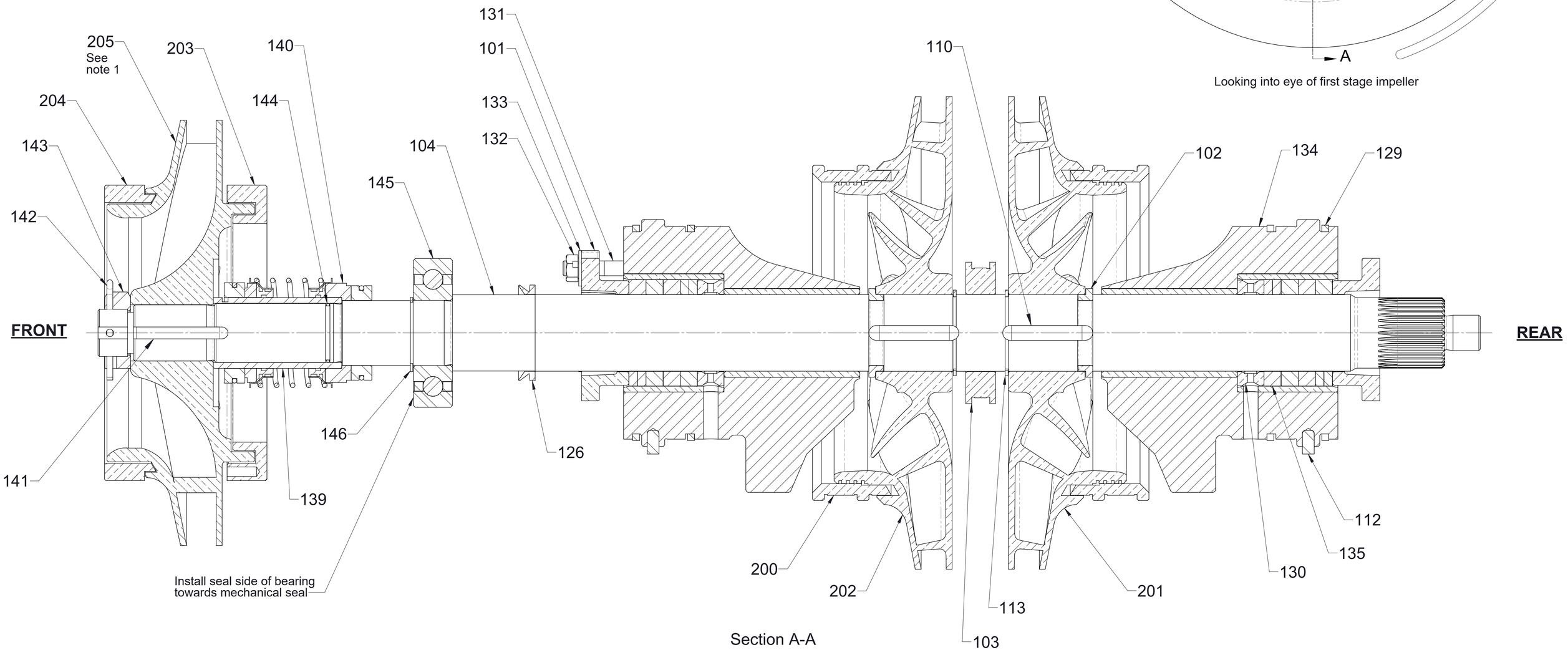


Pump and Transmission Model	Impeller Shaft Type	Drive Location	Seal Type	See Sheet	
				Section View	Exploded View
CMCGVC22, CMUCGVC22	Separable	Rear	Packing	2	3

Ref No.	Description	Ref No.	Description
101	Gland-Half	139	Sleeve-Mechanical Seal
102	Lock Ring Assy	140	Seal-Mechanical, Kit
103	Seal-Interstage	141	Key-Square, 1/4 x 1-7/8 in
104	Shaft-Impeller	142	Pin-Cotter, 1/8 x 1-3/4 in
110	Key-Square, 5/16 x 1-3/8 in	143	Nut-Impeller
112	Pin-Dowel, 1/4 x 1/2 in	144	O-Ring, 1-1/8 x 1-1/4 in
113	Ring-Retaining	145	Bearing-Ball
126	V-Ring, Flinger	146	Ring-Retaining, External, 1-3/8 in Shaft Dia
129	Gasket-Seal, Housing	200	Ring-Wear
130	Ring-Lantern	201	Impeller, First Stage
131	Stud-Coarse, 5/16-18 x 1-3/4 in	202	Impeller, Second Stage
132	Nut-Unbalanced	203	Ring-Wear
133	Washer-Flat, 5/16 in	204	Ring-Wear
134	Housing-Seal (Casting) (CM)	205	Impeller, High Pressure
135	Packing Kit, Split Ring, BRG (Includes 10 rings)		



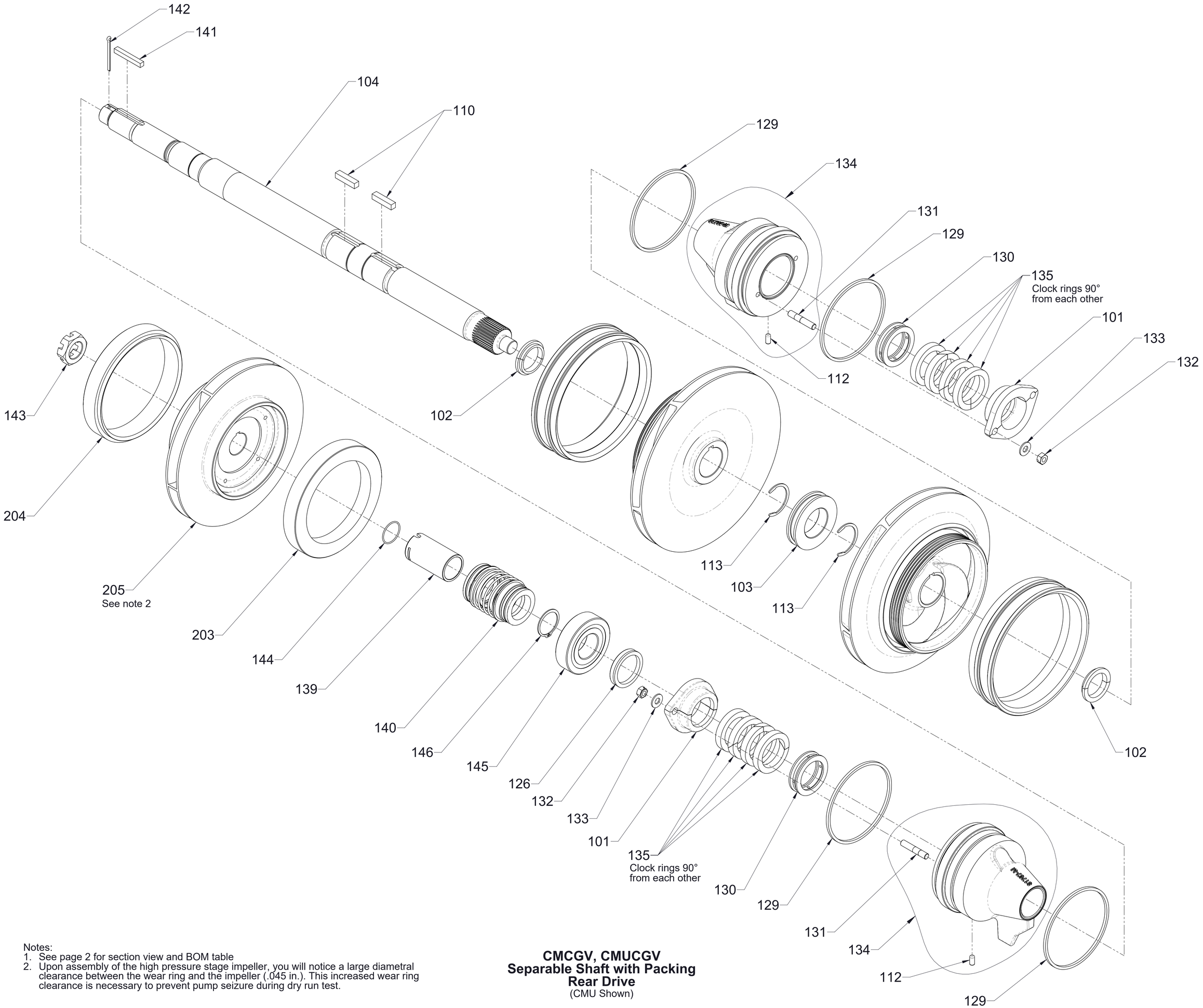
Looking into eye of first stage impeller



Section A-A

Note:
1. Upon assembly of the high pressure stage impeller, you will notice a large diametral clearance between the wear ring and the impeller (.045 in.). This increased wear ring clearance is necessary to prevent pump seizure during dry run test.

CMCGV, CMUCGV
Separable Shaft with Packing
Rear Drive
(CMUCGV Shown)



Notes:
1. See page 2 for section view and BOM table
2. Upon assembly of the high pressure stage impeller, you will notice a large diametral clearance between the wear ring and the impeller (.045 in.). This increased wear ring clearance is necessary to prevent pump seizure during dry run test.

CMCGV, CMUCGV
Separable Shaft with Packing
Rear Drive
(CMU Shown)