SCOT

INSTALLATION INSTRUCTIONS
TYPE 6A SHAFT SEAL

The seal assembly consists of these components:

A SPRING AND STATIONARY HEAD

B ROTARY SEAT

CAUTION: This seal is a precision product and should be handled accordingly. Be especially careful of the lapped sealing surface of the rotary seat and stationary washer.

THE SEAL IS SUPPLIED WITH A PACKET OF LUBRICANT.

LAPPED RUNNING FACES

The lapped running surfaces of the head seat must be treated with care. KEEP CLEAN. DO NOT SCRATCH. Use a clean, soft cloth during installation. Protect the faces. Install both the seat and rotary square to the shaft.

STATIONARY HEAD INSTALLATION (A)

Clean, seal cavity in adapter.
Apply teflon pipe sealant on the outside of the stainless steel retainer. Press the seal head into the adapter by pressing on the stainless steel lip using a piece of 1/14" PVC pipe.

ROTARY SEAT INSTALLATION (B)

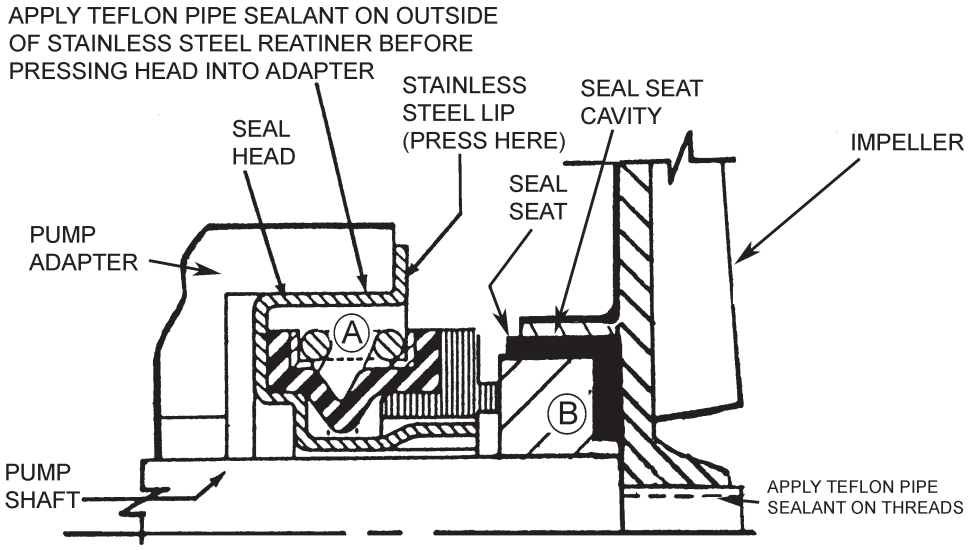
Clean the seal cavity in the impeller.

Position the stationary seat with the silver dot down (away from you) and the lapped face (shiny side) facing you. Lubricate rubber cup and press seal firmly and squarly into seal cavity.
Must be pushed square and all the way into the cavity.
Be careful not to scratch the lapped face. Use a clean, soft cloth to protect the seal face.
Install impeller which will compress the spring to the proper height. This compression assures the proper pressure on the lapped running faces.

CAUTION: Never operate the lapped running faces dry. The liquid being handled ensures proper lubrication.

In some cases a short period of operation is required to clear up slight leakage.

NOTE: The seal contains a packet of the approved lubricating fluid for seal installation. DO NOT USE OTHER LUBRICATING LIQUIDS! DO NOT OVER LUBRICATE! It is not required to use the complete contents of the lubrication packet for seal installation.



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SUCCESSFUL SEAL INSTALLATION

1. **Read entire installation procedure** before beginning installation.

2. **Handle components carefully.** Careless handling of the critical seal components may result in chipping, cracking or breakage.

3. **Do not touch sealing areas.** The sealing faces, O-rings, wedges, and bellows must be kept perfectly clean. Even a fingerprint can cause a seal to leak. Primary and secondary sealing areas must be kept clean and undamaged to ensure a proper seal. Rubber gaskets tear easily when handled carelessly.

4. Make sure that the **shaft or sleeve is free of burrs, nicks. grooves, and sharp edges.**

5. **Bleed all trapped gases from the seal cavity before start-up**, otherwise the seal cavity may vapor lock and burn the seal.

6. **All valves must be open on the suction side of the pump** so that the seal is assured of a positive flow of liquid at all times. Failure to do so will also cause the seal to burn.