

“60” SERIES FLANGE SEAL INSTALLATION INSTRUCTIONS

(Applicable to **4-bolt** assemblies only: Standard, Low Temp, and Sour Gas)

Kit Contents:

Flange Seals (2) Lubricant
Instruction Sheet Material Safety Data Sheet

NOTE: Do not remove the replacement seals from the package until you are ready to place them into the valve.

WARNING: Before servicing any installed valve, you must

- ⚠ • depressurize system
- ⚠ • cycle valve

WARNING: Residual material may be left in valve and system.

NOTE: It is important to refer to the exploded view drawing while following the maintenance instructions.

- 1a. **Straight-pattern assemblies:** Leave the valve in the “open” position. Loosen the body bolts/studs. Remove only the black body bolt/stud. Swing out the center body. Refer to Fig. 1.
- 1b. **X-pattern assemblies:** With the handle positioned toward either side port, loosen and remove the body bolts/studs. Remove the center body from between the flanges.
2. Remove and discard the flange seals. Refer to Fig.1.
3. Clean all sealing surfaces — flange faces and center body flange seal groove areas. Refer to Fig. 2.
4. Remove the replacement flange seals from the package. Apply the lubricant provided in the kit on all surfaces of the new flange seals. Place the flange seals into the center body flange seal grooves. Refer to Fig. 2.
5. Reinsert the center body between the valve flanges and reinstall the body bolts or studs.
6. With the valve in the following position: **Straight-pattern assemblies** – fully open; **X-pattern assemblies** – with the handle positioned toward either side port: torque the body bolts/studs in the alphabetical (crisscross) sequence shown in the appropriate center body diagram. Torque the bolts/studs to the value listed in the “1st” column of the chart below, according to the appropriate valve series/body material and fastener type/material. Repeat the sequence for the 2nd, 3rd, 4th, and 5th torque.

VALVE SERIES/ BODY MATERIAL	FASTENER TYPE/ MATERIAL	TORQUE VALUE (in. - lbs.)				
		1st	2nd	3rd	4th	5th
62 Series Brass	Carbon Steel Bolts	5	10	20	30	30
62 Series Carbon -or- Stainless Steel	Stainless -or- Carbon Steel Bolts/Studs	5	10	20	40	40
62X Series Stainless Steel	Stainless Steel Bolts/ Studs					
63 Series Brass	Carbon Steel Bolts	10	20	40	60	60
63 Series Carbon -or- Stainless Steel	Stainless -or- Carbon Steel Bolts/Studs	10	20	40	100	100
63X Series Stainless Steel	Stainless Steel Bolts/ Studs					
65 Series Brass	Carbon Steel Bolts	25	50	100	180	180
65 Series Carbon -or- Stainless Steel	Stainless -or- Carbon Steel Bolts/Studs	25	50	100	300	300
65X Series Stainless Steel	Stainless Steel Bolts/ Studs					
67 & 67X Series Stainless Steel	Stainless Steel Bolts/ Studs	35	75	150	300	300
67 Series Carbon -or- Stainless Steel	Carbon Steel Bolts	35	75	150	400	400
68 & 68X Series Stainless Steel	Stainless Steel Bolts/ Studs	40	100	200	500	500
68 Series Carbon -or- Stainless Steel	Carbon Steel Bolts	40	100	200	600	600

Center Body Diagrams

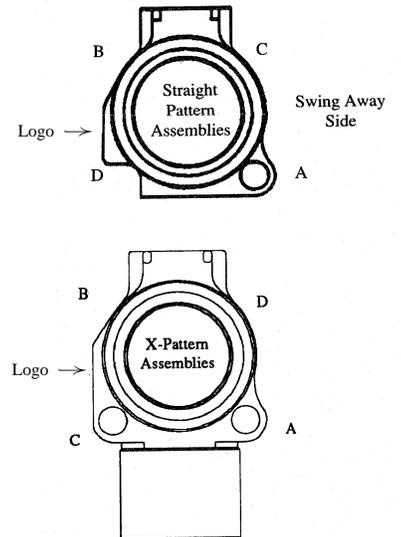
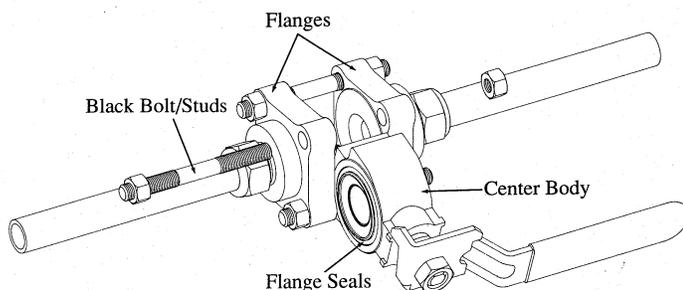
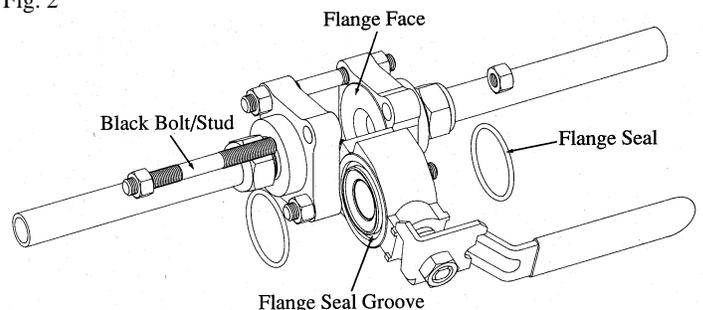


Fig. 1



(Illustrated with Studs)

Fig. 2



(Illustrated with Studs)