

**Adaptor Kit and Cartridges Assembly**

1. Inspect adaptor kit and cartridges for shipping damage and/or missing parts before starting installation.

**Note:** Before placing cartridges in housing, determine how many cartridges are required, 1, 2 or 3 deep then follow the appropriate instructions.

**Using Figure 1:**

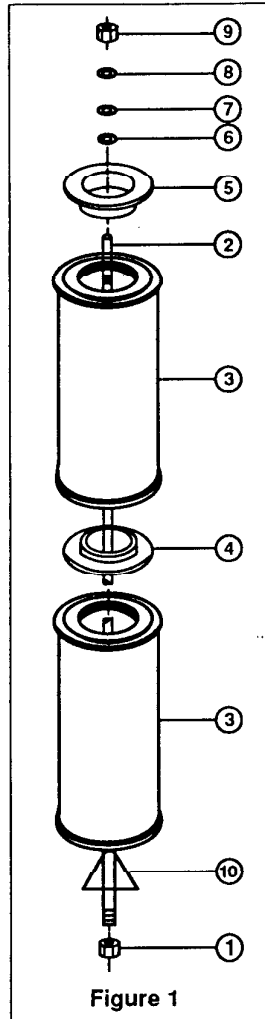
2. When the Filter Cartridge stack is one or two deep a Center Guide (10) is not required..
  - a. When the Filter Cartridge stack is three deep, slide the Center Guide (10) onto base of Center Rod (2) just past the threads
3. Thread Jam Nut, (1) onto Center Rod (2) until approximately 1 1/2" is extending through the Jam Nut.
4. Screw Center Rod (2) into Cartridge Mounting Adaptor (part of housing base) until Jam Nut (1) is securely locked in place.
  - a. For three deep cartridge stack, push the Center Guide (10) down until it snaps in place on Cartridge Mounting Adaptor.

**CAUTION:** Care must be used at all times when handling cartridges to prevent damage.

5. Place Filter Cartridge (3) over Center Rod (2) and center in place.
  - a. When the Filter cartridge stack is only one deep, a Center Seal (4) is not required.
  - b. When the Filter cartridge stack is two or more deep, place a Center Seal (4) between each cartridge.
7. Place Yoke (5) over Center Rod (2), followed by Gasket Washer (6), Flat Washer, (7), Starlock Washer (8), and Hex Nut (9). Tighten Hex Nut to 120 Inch Pounds (10 Foot Pounds).

**Important: Before Cartridge Replacement:**

1. Shut the system down by following the procedures listed in the Maintenance Manual, (Number 677218) provided with the housing, under Section entitled *Cartridge Replacement*.


**Figure 1**
**Important: Before Cartridge Replacement (Continued):**

2. To remove the cartridges after the system has been shutdown, follow the above Assembly instructions in REVERSE order.
3. For start-up procedures refer to housing Maintenance Manual under Sections entitled *Pre-Operational Test and Operation*.

**Cleaning Procedures For Screen Cartridges**

1. Use clean, processed fuel for washing cartridges. Use a non-metallic bristle brush to removed caked-on debris.
2. Embedded debris may be removed by soaking the cartridge in 2% hydrochloric acid for five (5) minutes.

**CAUTION:** Gloves must be worn when handling cartridges and parts which have been in contact with the acid.

3. Rinse cartridge in clean processed fluid and dry with soft, lint-free wiping cloth. (To replace cartridges after cleaning, refer to Assembly Instructions 5 through 7.

**PARTS LIST**

ITEM (See Figure 1)	DESCRIPTION	QUANTITY REQUIRED	CARBON STEEL PART NUMBERS			STAINLESS STEEL PART NUMBERS		
			1 DEEP	2 DEEP	3 DEEP	1 DEEP	2 DEEP	3 DEEP
	Adaptor Kit	1	690547	690534	691171	692800	698025	699625
	Assembly Instructions	*(1)	686812	686812	686812	686812	686812	686812
	Housing	1	675036	675037	675038	673318	673319	673320
	Maintenance Manual	*(1)	677218	677218	677218	677218	677218	677218
1	Jam Nut: 1/2"-13NC Hex	*1	606450	606450	606450	606452	606452	606452
2	Center Rod	*1	690600	690602	690606	678901	678905	678907
3	Filter Cartridge	***	(1)	(2)	(3)	(1)	(2)	(3)
4	Center Seal	****	(0)	(1) 601396	(2) 601396	(0)	(1) 601396	(2) 601396
5	Yoke	*1	676654	676654	676654	676654	676654	676654
6	Gasket Washer	****	(1)	(1)	(1)	(1)	(1)	(1)
7	Washer: 1/2" Flat	*1	606719	606719	606719	6056402	606727	606727
8	Washer: 1/2" Starlock	*1	606705	606705	606705	607317	607317	607317
9	Nut: 1/2"-13NC Hex	*1	608419	608419	608419	606443	606443	606443
10	Center Guide	*	(0)	(0)	(1) 696807	(0)	(0)	(1) 676359

\* Furnished with Adaptor Kit \*\* Furnished with Housing \*\*\* Not furnished with Adaptor Kit or Housing  
\*\*\*\* Furnished with Cartridge ( ) = Quantity required

*Due to our continuing program of product improvement, specifications are subject to change without notice.*