

## Addendum Sheet For The

Type S202DD Pressure Regulator  
Form 5449, January 1998

This addendum sheet describes the maintenance procedures for the Type S202DD regulator. All key numbers are shown in figures 1 through 3 of this addendum.

Refer to the Type S201 and S202 Gas Regulators Instruction Manual, Form 5171, for installation, startup, shutdown and maintenance information not referred to in this addendum.

### Maintenance

- Disassembly to Replace the Valve Disk, Seat Ring and Boost Cartridge Assembly

1. Remove cap screws (key 18) which hold the lower casing (key 9) to the body (key 21). Separate the lower casing from the body.
2. Check the body O-Ring (key 19) for wear and replace if necessary.
3. Examine the valve disk (key 16, figure 3) for nicks, cuts and other damage. Unscrew the disk holder assembly from the valve stem assembly (key 13, figure 3).
4. If the seating edge of the seat ring (key 20) is nicked or rough, remove the seat ring from the body.
5. Examine the boost cartridge (key 111, figure 1) for damage or wear. To remove the boost cartridge (key 111), use a suitable tool to carefully remove the boost cartridge (key 111) from the valve stem (key 13). To replace the boost cartridge, press the plastic boost cartridge with both thumbs until it contacts the end of the stem guide inside the boost throat of the lower casing.

**Note: The outer rim of the plastic boost cartridge assembly should be recessed 1/16 to 1/8 inch.**

6. Install a new seat ring (key 20) into the body, if necessary.
7. Screw the disk holder assembly into the valve stem assembly (key 13) To adjust, loosen the set screw (key 118, figure 2) and turn so the slot is pointing upstream. Tighten the set screw.
8. Attach lower casing (key 9) to body (key 21). Attach cap screws (key 18)

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## Maintenance (continued)

- Disassembly to Replace Vent Seat Ring (key 58):
  1. Remove the closing cap (key 4) or loosen hex lock nut. Turn adjusting screw or nut (key 3) counterclockwise to ease spring compression.
  2. Remove adjusting screw (key 3) and spring (key 2).
  3. Remove hex nuts (key 15) and cap screws (key 14).
  4. Separate upper spring case (key 1) from lower casing assembly (key 9).
  5. Remove three self-tapping screws (key 59).
  6. Inspect the vent seat ring (key 58).
  7. If necessary, install a new vent seat ring with six holes (Three holes for venting and three holes for self-tapping screws.).
  8. Reassemble the remaining parts in the reverse order of the above steps.

## Parts List

Add the following parts to the parts list on page 6 of the Type S201 and S202 Gas Regulators Instruction Manual, Form 5171:

Key	Description	Part Number
13	Valve Stem	1L1426000A2
	O-Ring	1E216306992
16	Valve Disk Assembly	
16A	Disk Holder	27B3428X012
16B	Disk	14B1953X032
16C	Washer	14B1954X012
16D	Machine Screw	19A7151X022
20	Seat Ring, aluminum	
	1/2-inch (12,5 mm) orifice	17B3430X012
58	Vent Seat Ring	17B3431X012
111	Stabilizer Cartridge Assembly	
111A	Stabilizer Body	23B9748X012
111B	Baffle Retainer	23B9749X012
111C	Stabilizer Flapper	17B3429X012
111D	Cartridge Retainer	13B9747X012
117	Disk Skirt	27B3427X012
118	Set Screw	1C629828992

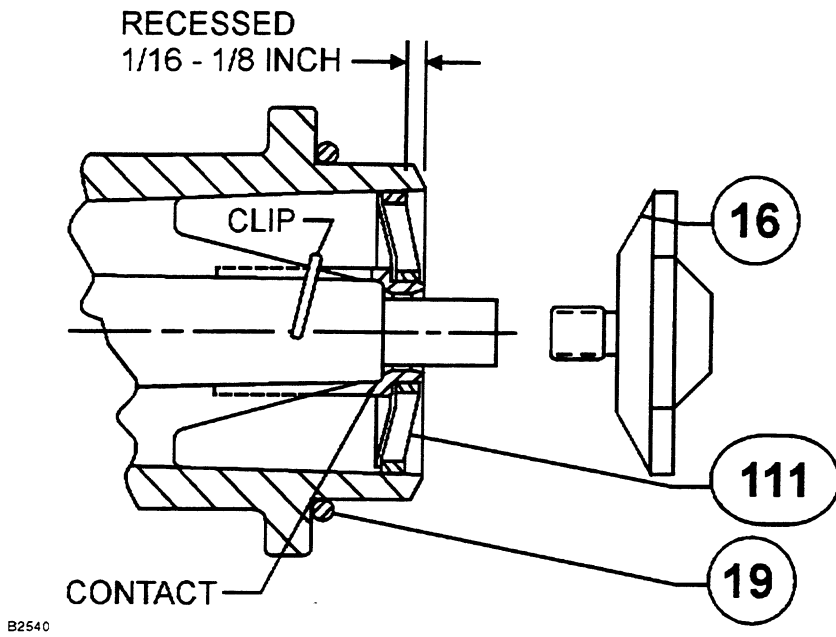


Figure 1. Boost Cartridge Assembly

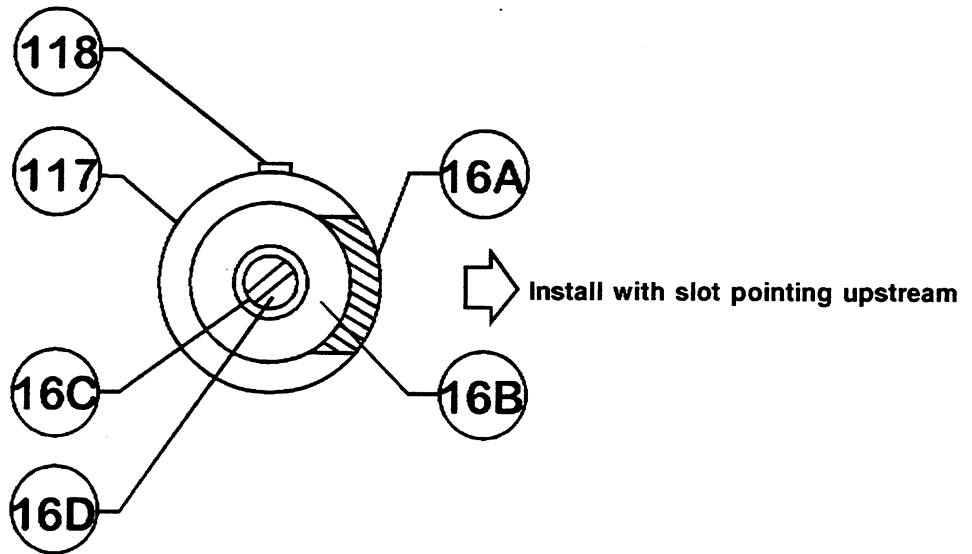
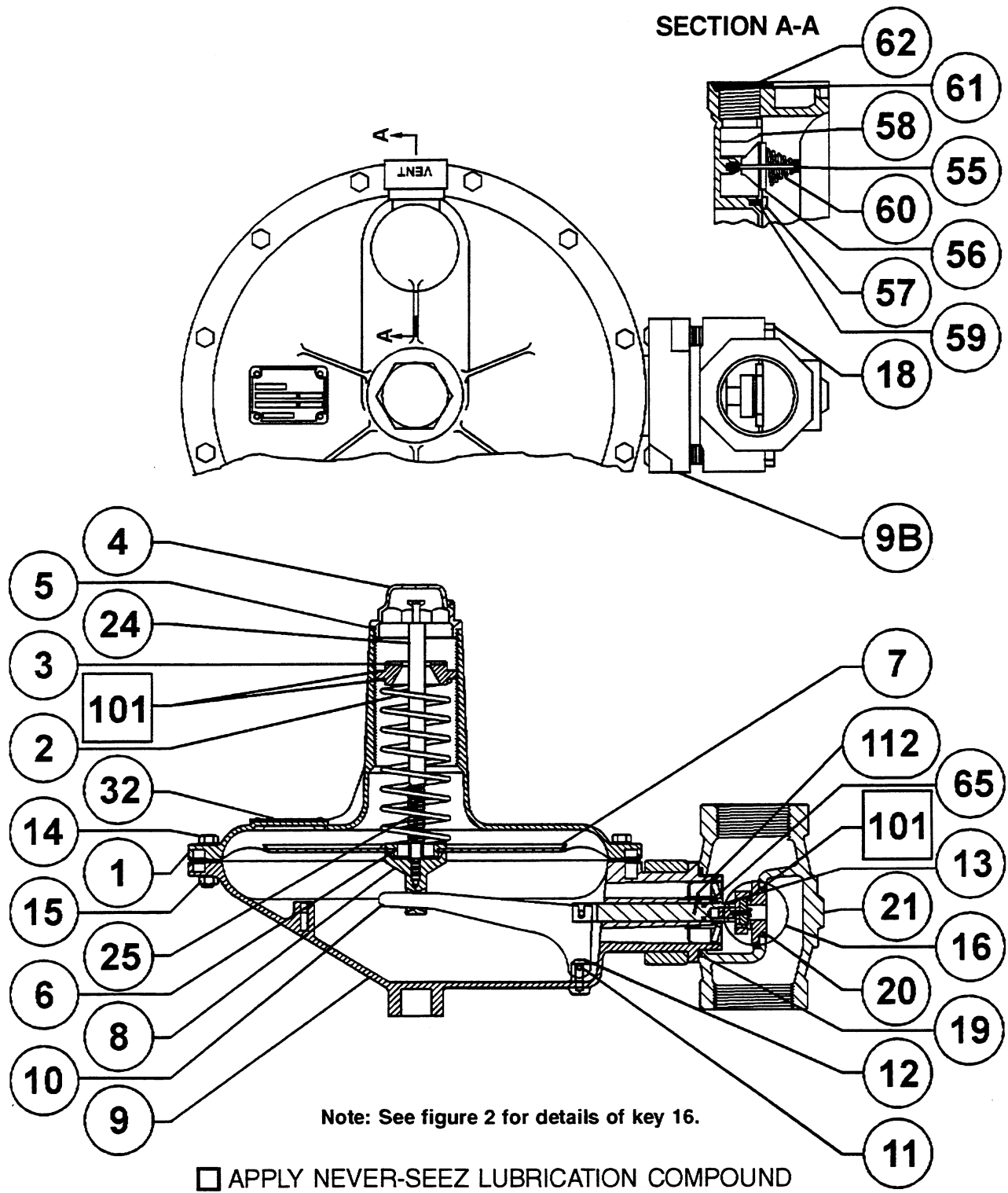


Figure 2. Valve Disk Assembly (key 16)



Note: See figure 2 for details of key 16.

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Figure 3. Type S202DD Pressure Regulator