

Inhaltsverzeichnis

Erstellungsdatum: 20090129

Dokumentliste:

Service Bulletin

**1. HDS 9/16 / 12/14 ST Gas
ionization electrode (6.526-216)****Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level II**

- Problem:** The short endurance of the ionization electrode frequently causes faults in the burner.
- Cause:** The long, straight shape together with the thermal load causes the ionization electrode to bend. A non-conductive oxide layer forms on the surface of the metal.
- Solution:** There is a new version of the ionization electrode, with different shape and material. The previous part number (6.526-216) is retained.
- Note 1:** Mount the ionization electrode at a distance of 8 to 10 mm to the fire tube and centrally to the hole in the ignition metal.

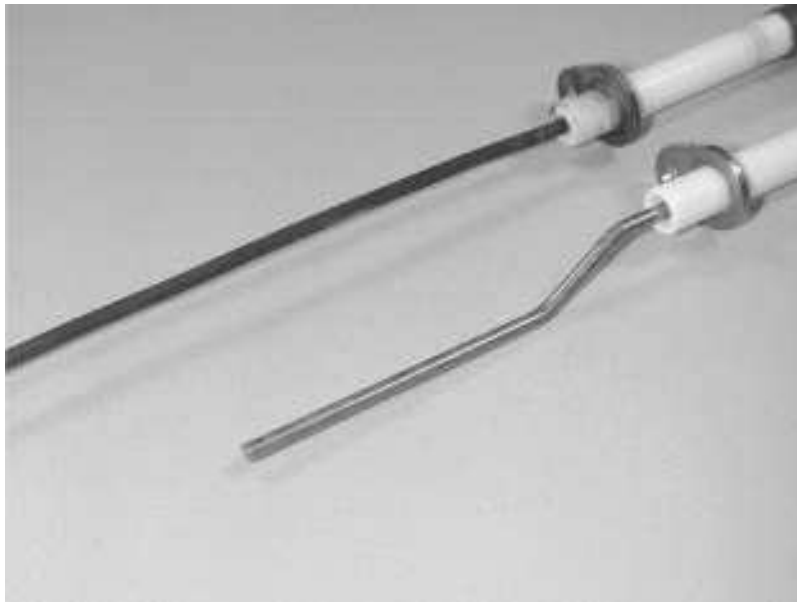


Fig. 1: Old (top) and new (bottom) version of the ionization electrode (6.526-216)

- Note 2:** When replacing the ionization electrode, please also fit the new ignition metal (5.044-832), see point 2 of this Service Bulletin.
- Note 3:** When replacing the ionization electrode and glow plug, please note:
- Replace O-ring 120 x 4 mm (6.362-954) on the burner flange and coat with silicone grease (e.g. 6.288-044).
 - Clean the contact area for the O-ring in the combustion chamber.
 - This is the only way to ensure that there is no leakage between burner flange and outer jacket.

**1. HDS 9/16 / 12/14 ST Gas
ionization electrode (6.526-216)****Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level II**

Change / improvement in production since : 01.09.07

Unit :	Order No.:	Serial No.:
HDS 9/16 ST Gas	1.251-103	10310
HDS 9/16 ST Gas LPG	1.251-104	10026
HDS 12/14 ST Gas	1.251-105	10039
HDS 12/14 ST Gas LPG	1.251-106	10005

3. HDS 9/16 / 12/14 ST Gas
Seal outer jacket
(6.363-205)

Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level IV

Note: Occasionally, the seal (6.363-205) between boiler base and outer jacket leaks.

The seal does not "lie" neatly in the seal edge or seal gap between outer jacket and base.

Rub silicone grease (e.g. 6.288-044) thoroughly into the seal before fitting in the unit.

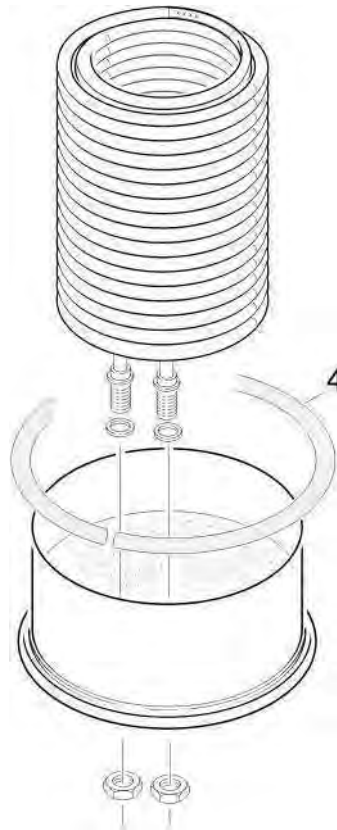


Fig. 1: Seal, No. 4 (6.363-205),
between outer jacket boiler base

See also Service Bulletin 2006-026, point 5.

**4. HDS 9/16 / 12/14 ST Gas
Outer jacket (4.652-124 /-142)****Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level III**

- Problem:** In units HDS 9/16 and 12/14 ST Gas (1.251-101/ -103/ -104/ -105/ -106), it is possible for the exhaust temperature of the burner to exceed the normal value. This may possibly trigger the exhaust temperature limiter.
- Cause:** The frame in the outer jacket (HDS 9/16 - 4.652-124 and HDS 12/14 - 4.652-142) does not have the specified number of 8 welding points. Thermal tension can cause the seam to open between the welding points.
- Solution:** If problems occur, then mount the correct outer jacket. The frame must be fastened with 8 welding points, see Fig. 1:

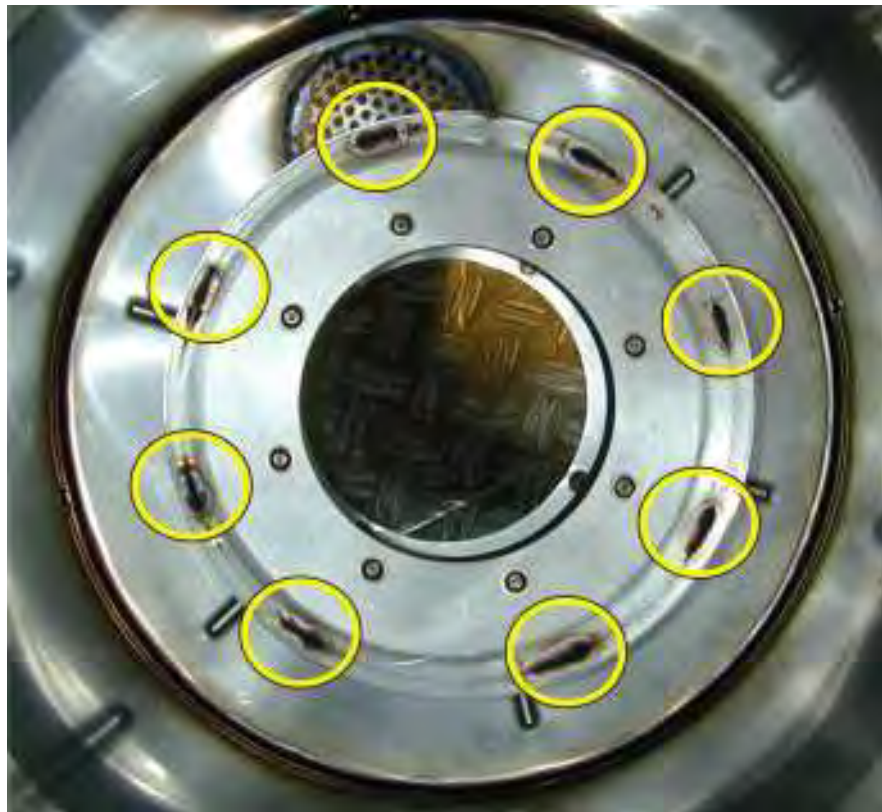


Fig. 1: View into the outer jacket from below.
In the correct version, the frame is held by 8 welding points (encircled).

**4. HDS 9/16 / 12/14 ST Gas
Outer jacket (4.652-124 /-142)****Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level III**

Change / improvement in production since : 01.12.07

Unit :	Order No.:	Serial No.:
HDS 9/16 ST Gas	1.251-103	10355
HDS 9/16 ST Gas LPG	1.251-104	10026
HDS 12/14 ST Gas	1.251-105	10089
HDS 12/14 ST Gas LPG	1.251-106	10005

**5. HDS 9/16 / 12/14 ST Gas
Outer jacket (4.652-124 /-142)****Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level IV**

Note 1: The outer jacket (HDS 9/16 - 4.652-124 and HDS 12/14 - 4.652-142) cannot always be fitted closely onto the boiler base using the 3 fastening shackles, as the unit base can be distorted in the vicinity of the fastening screws.

Deformation of the unit base and possibly fastening points bent upwards.
Triggered by great forces of the boiler screws distributed on three small areas.

In future, the outer jacket will be changed over from 3 to 6 fastening shackles, while retaining the part number. The existing stocks of old outer jackets will be used up. Additional parts are needed to fit the new outer jacket, see also Fig. 1:

No. 17: 3 ea. nuts M8 (7.311-068), standard version
No. 18: 3 ea. tooth lock washer 8.4 (7.312-159)
No. 19: 3 ea. washer 8.4 (7.312-004) and
No. 20: 3 ea. screws, M8 x 50 (7.306-039)

Note 2: The three additional fastening shackles must be marked and drilled to the unit base with $D = 9.0$ mm.

If necessary, before fitting the new parts, align any fastening points in the base unit that have been bent upwards, using a rubber hammer.

Note 3: If not already done, fit the two reinforcement angles to the unit base from below as stabilization, see also Service Bulletin 2006-026, point 5:

2 ea. reinforcement angle (5.017-819)
4 ea. screw M8 x 16 (7.304-538)
4 ea. nut M8 (7.311-068)

**5. HDS 9/16 / 12/14 ST Gas
Outer jacket (4.652-124 /-142)**

**Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level IV**

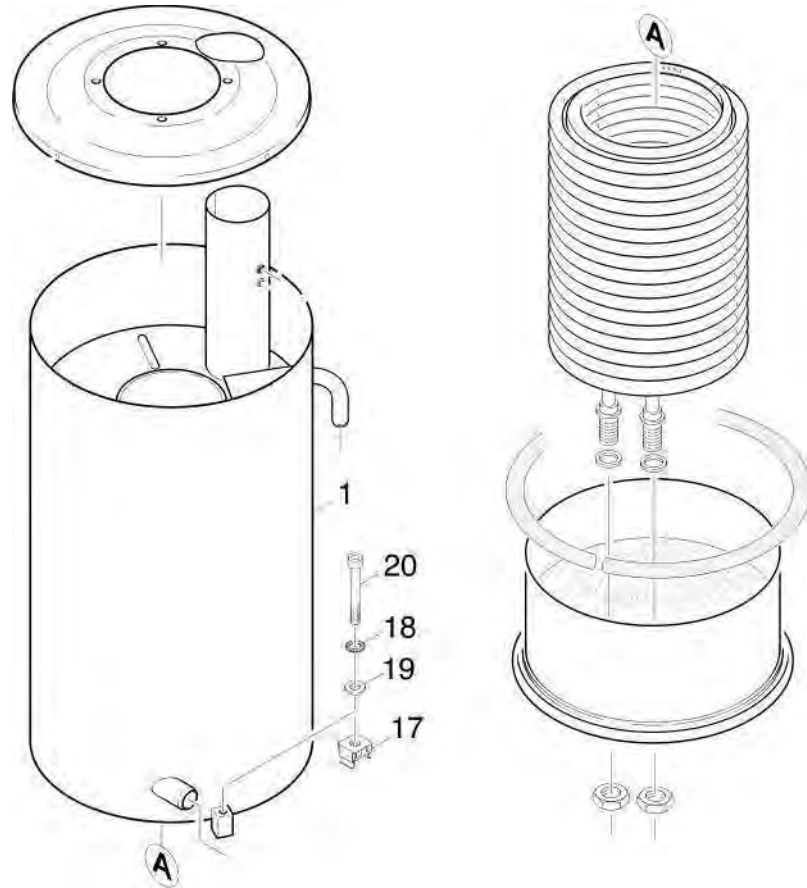


Fig. 1: The number of fastening shackles on the outer jacket will be increased in future from 3 to 6

**6. HDS 9/16 / 12/14 ST Gas
Seal heating coil boiler base
(5.115-521)**

**Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level IV**

Note: The copper seals between the heating coil neck and boiler base are no longer impervious, leaking condensate and coolant.

Copper seals are used between the heating coil neck and the boiler base. Aggressive condensate in combination with the various metals corrodes them in time.

When repairing the heating coil and boiler base or when there are leaks here, the two copper seals should be replaced by 2 plastic seals (5.115-521).

The paper seal featured in Disis as spare part (5.365-068) is not suitable for use in gas units.

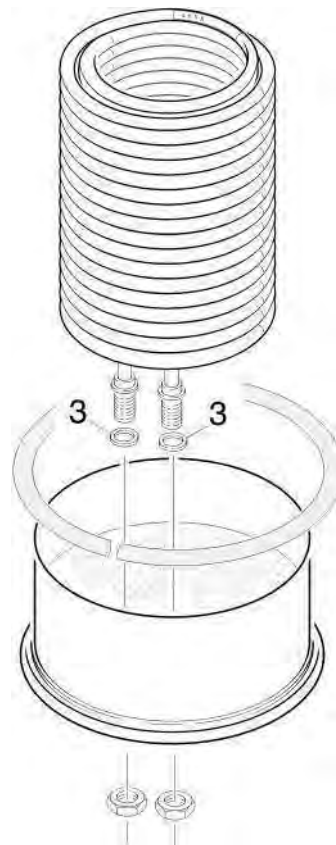


Fig. 1: Seal, No. 3 (5.115-521)
between heating coil and boiler base

**7. HDS 9/16 / 12/14 ST Gas
PWM electronics module (6.682-
673)****Service Bulletin
No. 2007-033 dated 05.12.2007
Classification level IV**

Note 1: Sometimes inexplicable faults occur in the burner, although the ionization electrode, burner setting and gas pressure are correct.

The PWM electronics module for controlling the fan speed can react sensitively to interference radiation and interference voltage. This can cause "false" burner faults.

The hardware and software of the PWM electronics module have been revised. The revised version which retains the same part number (6.682-673) is identified by version label 7.3 (encircled in Fig. 1).



Fig. 1: PWM electronics module (6.682-673) in the latest version with software version 7.3 (encircled)

Note 2: Burner faults caused by the PWM electronics module cannot be eliminated with the unlock button but only by switching off and on again with the main switch and then pressing the unlock button.

See also Service Bulletin 2006-042, point 7.