

## 3-CD TYPE AIR COMPRESSOR

### Unloader Assembly

OCTOBER, 1997

The **Old Standard Unloader Assembly, complete Pc. No. 563204**, used with the **Old Standard Inlet Valve with Unloader Return Spring, Pc. No. 518326(obsolete)**, is now obsolete and will be superseded by **complete Pc. No. 592512**, consisting of the **New Standard Inlet Valve with Unloader, Pc. No. 680001**, and **Unloader Spring, Pc. No. 592097**.

The Old Standard Unloader Assembly, Pc. No. 563204, included:

|                            |                             |
|----------------------------|-----------------------------|
| Spring Retainer Key        | Pc. No. 572162 (2 required) |
| Spring Retainer            | Pc. No. 572161              |
| Unloader Spring            | Pc. No. 572164              |
| Unloader Spring Guide      | Pc. No. 572163              |
| Unloader Plunger with Pins | Pc. No. 563199              |

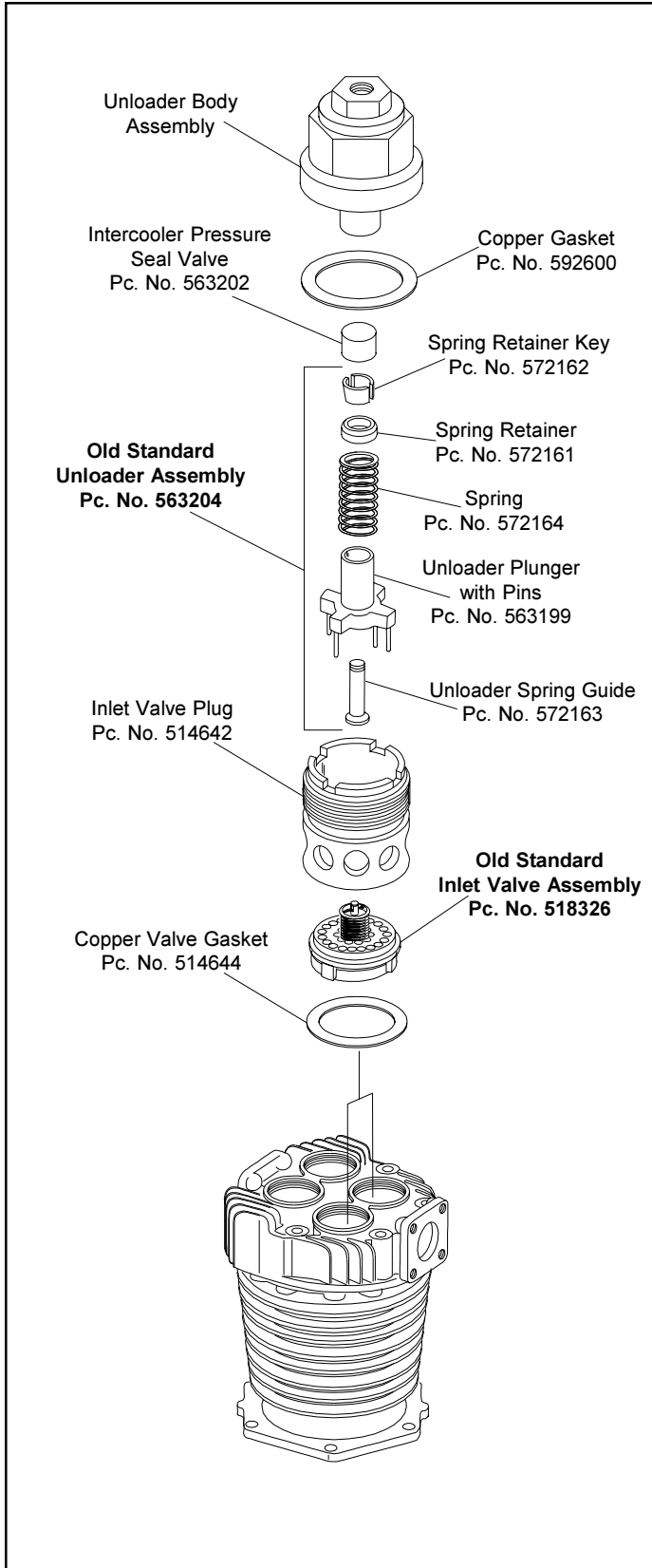
These details are still available, but not as an assembly.

Disassembly of the old components is as follows (**Refer to Figure 1**):

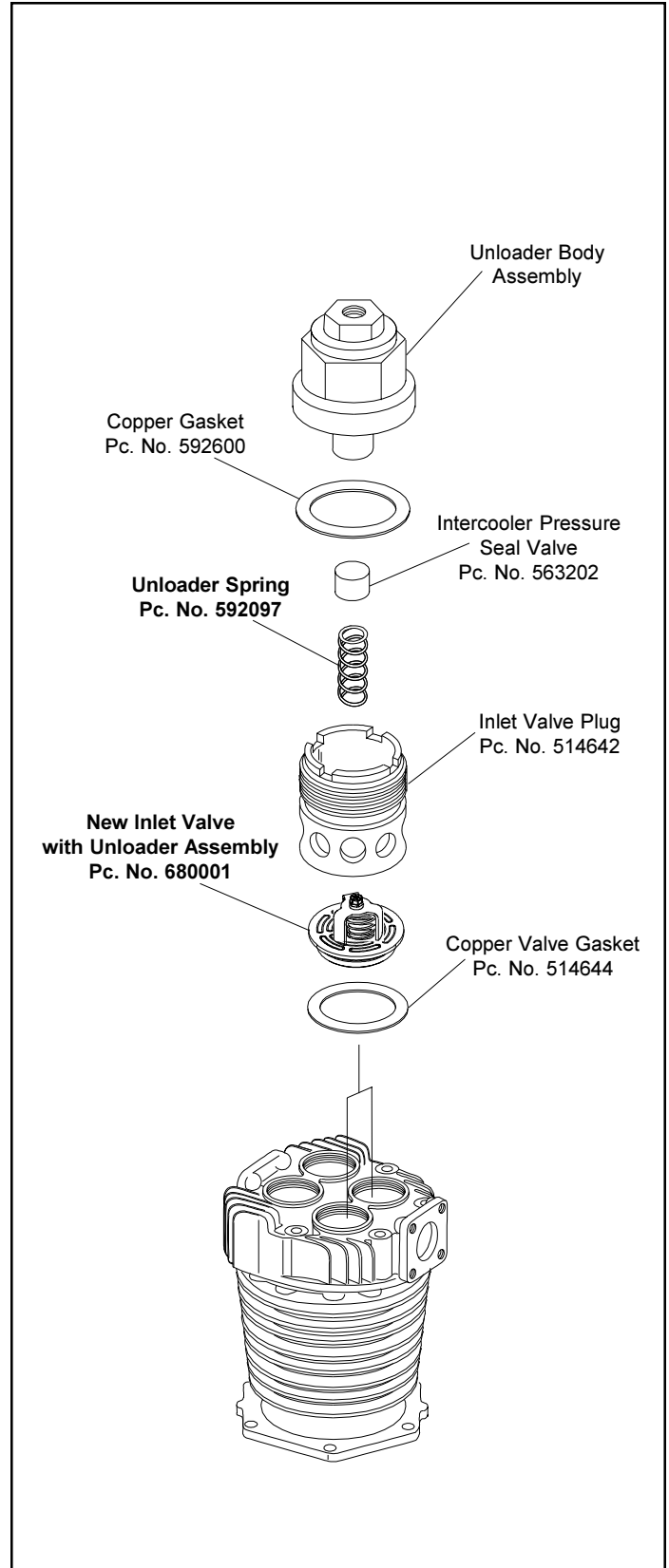
1. Remove unloader tubing and fittings (not shown).
2. Remove unloader body assembly and intercooler pressure seal valve, Pc. No. 563202, and set aside for reassembly.
3. Remove the copper gasket, Pc. No. 592600, and old standard unloader assembly, Pc. No. 563204, and discard.
4. Remove the Inlet Valve Plug, Pc. No. 514642, and set aside for reassembly.
5. Remove the old standard inlet valve assembly, Pc. No. 518326, and copper valve gasket, Pc. No. 514644, and discard.

Installation is as follows (**Refer to Figure 2**):

1. Install new copper valve gasket, Pc. No. 514644, and new inlet valve with unloader assembly, Pc. No. 680001.
2. Coat threads of the inlet valve plug, Pc. No. 514642, with an anti-seize compound such as a graphite and oil mixture. Install and torque to 300 ft-lbs.
3. Place unloader spring, Pc. No. 592097, over the top of the inlet valve.
4. Place intercooler pressure seal valve, Pc. No. 563202, over the top of the unloader spring.
5. Coat 3.50" O.D. copper gasket, Pc. No. 592600, with the anti-seize compound before installing over the inlet valve plug.
6. Install unloader body assembly over the intercooler pressure seal valve and torque to 300 ft-lbs.
7. Install unloader fittings and tubing on the heads as removed (not shown). Tighten securely.



**Figure 1 - Old Style**



**Figure 2 - New Style**