

This manual contains IMPORTANT  
WARNINGS AND INSTRUCTIONS  
READ AND RETAIN FOR REFERENCE

## HEAVY DUTY REVERSE-A-CLEAN™ Airless Spray Tip Assembly

5000 psi (350 bar) MAXIMUM WORKING PRESSURE

Model 222-674

Patent Pending

- Extra tough design for heavy duty coatings
- Large aerodynamic guard greatly reduces buildup and dripping
- Purchase tip cylinder separately. Over 125 sizes.
- Fits all Graco Airless Spray Guns

### WARNING

#### Pressure Relief Procedure

To reduce the risk of fluid injection or splashing fluid in the eyes or onto the skin, completely relieve air and fluid pressure before installing, cleaning or changing tips. To relieve pressure:

Shut off power to the pump, hold a metal part of the gun firmly to the side of a grounded metal pail, and trigger the gun to relieve pressure. **ENGAGE THE TRIGGER SAFETY LATCH.** Open any fluid drain valves or pressure relief valves. *If you suspect that pressure is not fully relieved, wrap a rag around the tip guard retaining nut and VERY SLOWLY loosen the nut to relieve pressure gradually.*

For your safety, carefully follow the instructions in this manual.

### WARNING

Failure to install or use the HD RAC tip guard assembly correctly may result in an undirected spray of paint into the eyes or on the skin of the operator. Be sure you:

- Follow the **Pressure Relief Procedure Warning** at left. Be sure to engage the trigger safety latch.
- Fully insert the tip cylinder into the guard and secure with the screw.
- Fully tighten the guard onto the gun nozzle using a wrench.
- Turn the tip handle so it is **parallel** to the gun nozzle. See Fig. 1.
- When replacing a worn tip cylinder, always install a new gasket and seal.

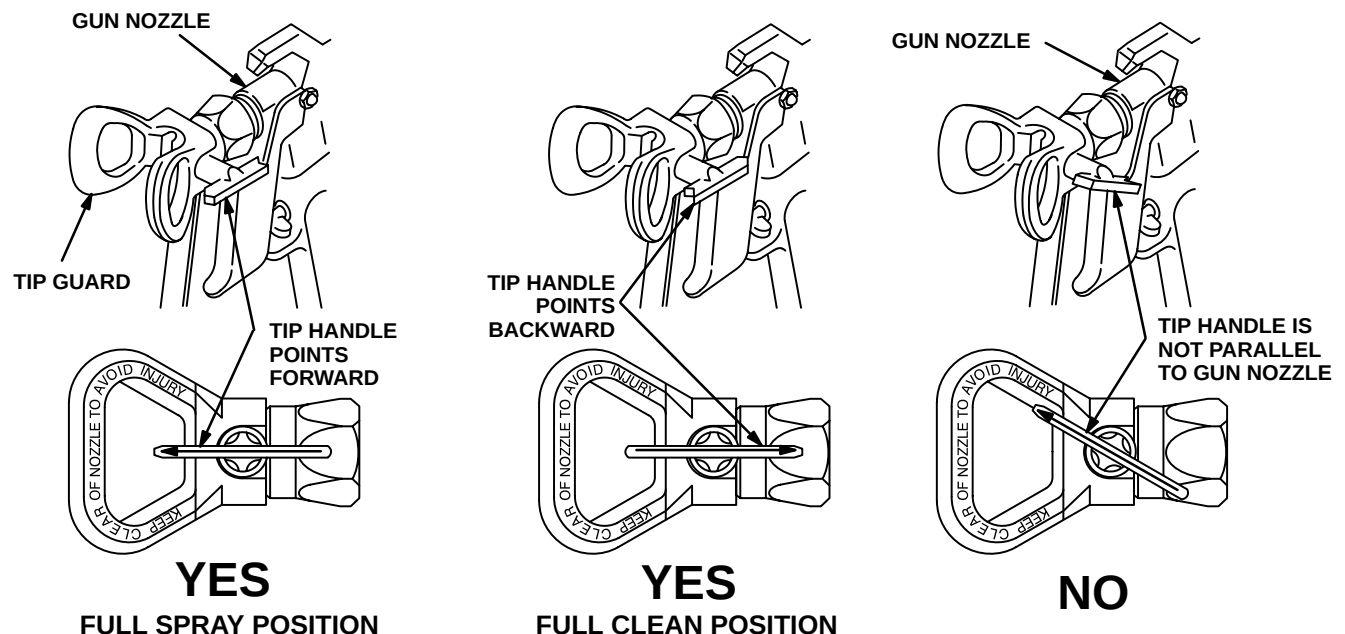


Fig. 1

INSTALLATION

WARNING

Always follow the **Pressure Relief Procedure Warning** on the front of this sheet before installing, cleaning or changing tips.

1. Insert housing 176–165 into retaining nut 176–166 through the back and pull it all the way forward. Install the metal seal 176–161 in the housing, flat side first. See Fig. 2, Step 1.
2. Install the tip cylinder in the housing with the small orifice facing forward. See Fig. 2, Step 2.
3. Snap the tip guard 185–425 into place. Insert the screw 103–962 and tighten. Install the white gasket 176–167 in the housing. See Fig. 2, Step 3. Install the assembled HD RAC onto the spray gun nozzle, using a wrench on the tip guard retaining nut.

CAUTION

NEVER use a wrench to turn the plastic tip guard, to avoid damage to the guard.

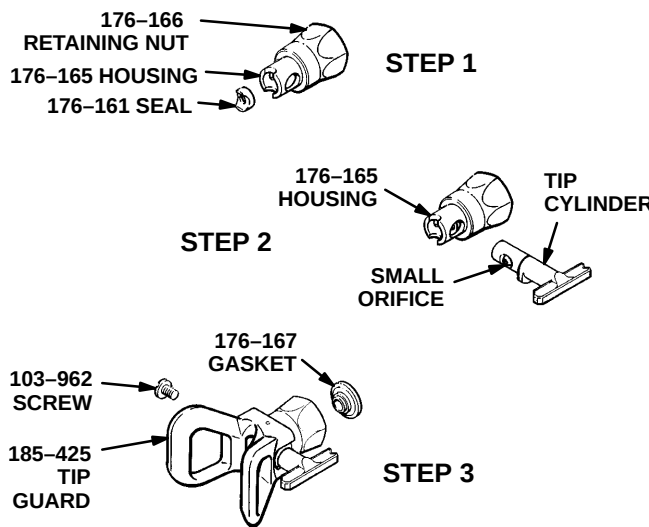


Fig. 2

AVAILABLE TIPS

| *Fan Width | Orifice Size (inches) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
|------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|
|            | .011                  | .013 | .015 | .017 | .019 | .021 | .023 | .025 | .027 | .029 | .031 | .033 | .035 | .037 | .039 | .041 | .043 | .047 | .051 | .055 | .061 | .067 | .071 | .075 | .081 |  |  |  |
| 2"         |                       |      | 115  | 117  | 119  | 121  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| 4"         |                       |      | 215  | 217  | 219  | 221  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| 6"         | 311                   | 313  | 315  | 317  | 319  | 321  | 323  | 325  | 327  | 329  | 331  | 333  | 335  | 337  | 339  | 341  | 343  | 347  | 351  | 355  |      |      |      |      |      |  |  |  |
| 8"         | 411                   | 413  | 415  | 417  | 419  | 421  | 423  | 425  | 427  | 429  | 431  | 433  | 435  | 437  | 439  | 441  | 443  | 447  | 451  | 455  | 461  | 467  | 471  | 475  | 481  |  |  |  |
| 10"        | 511                   | 513  | 515  | 517  | 519  | 521  | 523  | 525  | 527  | 529  | 531  | 533  | 535  | 537  | 539  | 541  | 543  | 547  | 551  | 555  | 561  | 567  | 571  | 575  |      |  |  |  |
| 12"        | 611                   | 613  | 615  | 617  | 619  | 621  | 623  | 625  | 627  | 629  | 631  | 633  | 635  | 637  | 639  | 641  | 643  | 647  | 651  | 655  | 661  | 667  | 671  | 675  |      |  |  |  |
| 14"        |                       |      | 715  | 717  | 719  | 721  | 723  | 725  | 727  | 729  | 731  | 733  | 735  | 737  | 739  | 741  | 743  | 747  | 751  | 755  | 761  | 767  | 771  |      |      |  |  |  |
| 16"        |                       |      | 815  | 817  | 819  | 821  | 823  | 825  | 827  | 829  | 831  | 833  | 835  | 837  | 839  | 841  | 843  | 847  | 851  | 855  | 861  | 867  |      |      |      |  |  |  |
| 18"        |                       |      |      |      |      |      |      |      | 927  |      | 931  | 933  | 935  |      | 939  |      |      |      |      |      |      |      |      |      |      |  |  |  |

TIP IDENTIFICATION: The parts number of the HD RAC spray tip is marked on the handle. All tips have six character part numbers. The first three characters are always GHD. The next three characters are shown in the chart above. These final three digits indicate important information about the tip. For example, a size 327 tip has a 6" fan width and a .027 in. orifice. To determine this information from the part number, double the first digit (3) to obtain the fan width (3 x 2 = 6). Then convert the next two digits (27) to thousandths of an inch by adding a zero and decimal point (27 = .027). Remembering how to translate the tip size will enable you to quickly select the correct tip for your job.

\* Fan width is spray pattern width as measured at 12 inches from the spray tip orifice.

OPERATION

WARNING

KEEP CLEAR OF THE NOZZLE! High pressure fluid from leaks or spray can penetrate the skin and cause extremely serious bodily injury, including the need for amputation.

The tip guard provides extra protection against fluid injection, but does not prevent it! NEVER break or cut off the tip guard.

CAUTION

The openings in the tip guard are designed to reduce paint buildup on the guard while spraying. Any damage to the sharp edges of the tip guard openings causes paint to collect at that area. To reduce the risk of damage, do not hang the gun by the tip guard.

In the spraying position, the arrow on the tip cylinder handle faces forward. See **FULL SPRAY** position in Fig. 1.

If the spray tip clogs while spraying, engage the gun safety latch. Turn the arrow handle 180° to the **FULL CLEAN** position (arrow points **backward**, away from direction of spray). See Fig. 1. Disengage the safety latch and trigger the gun into a waste container. Fluid pressure should force out the clog. Engage the safety latch and return the arrow handle to the **FULL SPRAY** position (arrow points **forward**, toward direction of spray). If still clogged, follow the **Pressure Relief Procedure Warning** on the front of this sheet and remove the tip cylinder for cleaning.

MAINTENANCE

Change the seal and gasket whenever a tip cylinder wears out. These parts wear at about the same rate.