



INSTRUCTIONS

This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

AA RAC® Plus Gun Upgrade Kit

4000 psi (280 bar, 28 MPa) Maximum Working Fluid Pressure

100 psi (7 bar, 0.7 MPa) Maximum Working Air Pressure

Part No. 239-180

Kit to upgrade gun part no. 238-851 Series A to the Series B gun.

Part No. 239-181

Kit to upgrade gun part no. 239-001 Series A to the Series B gun.

Pressure Relief Procedure

WARNING



INJECTION HAZARD

To reduce the risk of a fluid injection injury, follow the **Pressure Relief Procedure** below before checking or servicing any of the system equipment and whenever you are instructed to relieve pressure.

1. Lock the spray gun trigger safety to avoid accidentally triggering the gun.
2. Shut off the power to the pump.
3. Close the bleed-type master air valve (required in the system).
4. Unlock the gun trigger safety.
5. Hold a metal part of the gun firmly to the side of a grounded metal waste container and trigger the gun to relieve the fluid pressure.
6. Lock the gun trigger safety again.
7. Open the pump drain valve (required in the system) to help relieve fluid pressure in the displacement pump. In addition, open the drain valve connected to the fluid pressure gauge (in a system with fluid regulation) to help relieve fluid pressure in the hose and gun. Triggering the gun to relieve pressure may not be sufficient. Have a container ready to catch the drainage.
8. Leave the drain valve(s) open until you are ready to spray again.
9. If you suspect that the spray tip or hose is completely clogged or that pressure has not been fully relieved after following the steps above, very slowly loosen the hose end coupling and relieve pressure gradually, then loosen the coupling completely. Now clear the tip or hose obstruction.

Installing the Kit

NOTE: There are two black gaskets in the kit. In order to differentiate between the two, gasket part no. 113-910 (item 3) has been marked with an orange dot.

CAUTION

Do not retain or re-use the parts you are instructed to discard or the gun will not operate properly.

1. Relieve the pressure as instructed on the previous page.
2. Remove the AA RAC assembly (A, B, 1-3) from the front of the gun.
3. While triggering the gun, remove and *discard* the diffuser-seat (4) and fluid gasket (5). See Fig. 1.

NOTE: The diffuser-seat you remove will not look the same as the new diffuser-seat, item 4 in Fig. 1.

4. Install the new fluid gasket (5) and diffuser-seat (4) from the kit into the gun.
5. Remove the AA RAC tip cylinder (B) from the air cap assembly (A).
6. Remove and *discard* the RAC housing (1), fluid seat (2), and gasket (3).
7. Install the new RAC housing (1) into the air cap assembly (A). Align the parts, and install the tip cylinder (B).
8. Install the new fluid seat (2) into the housing (1), behind the tip cylinder (B). Align the parts, and press the gasket (3) into place.

9. Install the AA RAC Tip Guard and Air Cap Assembly (A, B, 1-3) onto the gun. Tighten the air cap retaining ring until it bottoms out, while holding the orange tip guard in the desired direction.

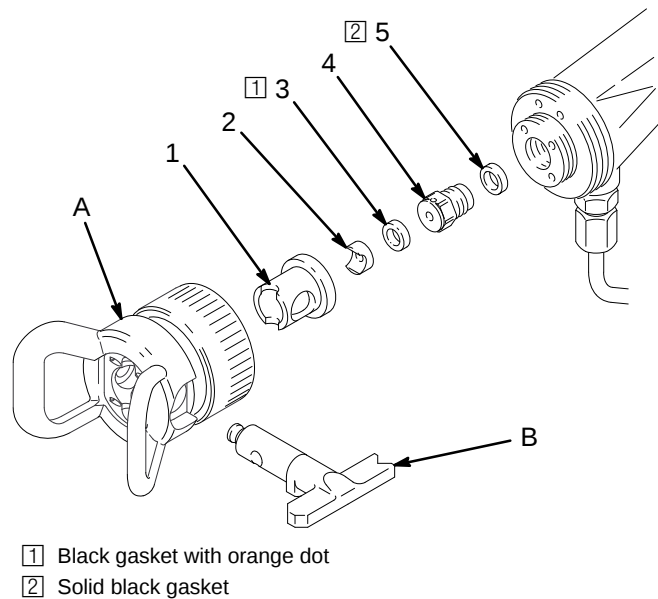


Fig. 1

06765

Ref. No.	Part No.	Description	Qty.
1	192-096	RAC HOUSING	1
2	181-603	SEAT, fluid	1
3	113-910	GASKET	1
4	239-172	DIFFUSER-SEAT; Included with Kit 239-180 only	1
	239-173	DIFFUSER-SEAT, hi-flow; Included with Kit 239-181 only	1
5	187-521	GASKET, fluid; acetal homopolymer (black)	1

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
1-800-367-4023 Toll Free

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

Sales Offices: Atlanta, Chicago, Detroit, Los Angeles
Foreign Offices: Belgium, Canada, England, Korea, Switzerland, France, Germany, Hong Kong, Japan

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

PRINTED IN U.S.A. 308-705 September 1996