



G-Force
by: TASK FORCE TIPS

G650-KIT, G954-KIT or G951-KIT: G-Force Stream Shaper Replacement Service Procedure

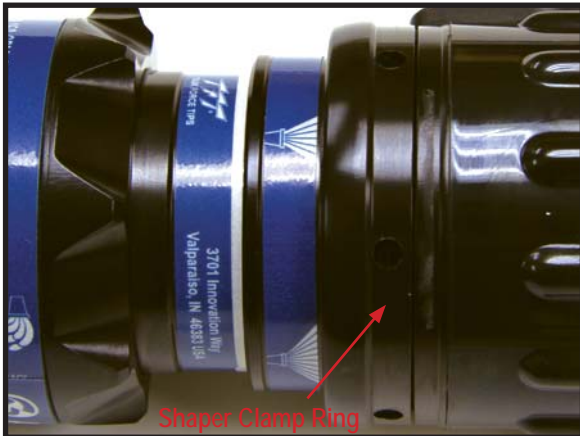
Tools Required

Pointed pick and a Flat blade X-ACTO® blade, TFT Tool TG500 or 3/16" Pin Spanner Wrench, (optional – strap wrench).

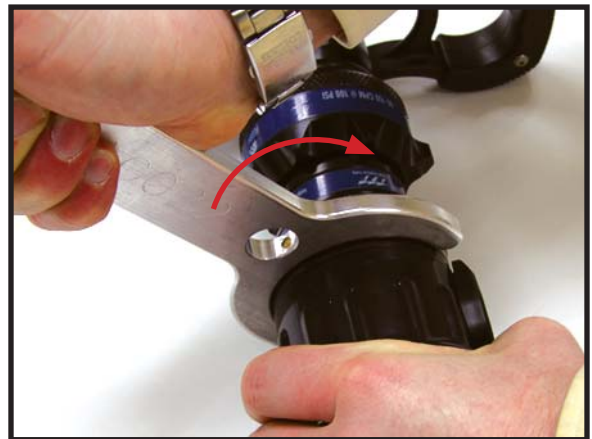
Parts Required

Shaper G650-KIT Fixed Rubber Teeth, G954-KIT Fixed Metal Teeth, or G951-KIT Spinning Metal Teeth
Kit Contents: Spinning Tooth Shaper, Metal Fog Teeth Shaper, or Rubber Fog Teeth Shaper, Torlon Balls (3), #226 O-Ring, Tactile Indicator, Gray, Black, and Blue Clamp Ring and Tactile Indicator Labels (1/ea), and Dow 112 Grease

Step 1) Using the X-ACTO® blade, remove the G-Force label from the shaper.



Step 2) Using the TG500 or 3/16" pin spanner, insert the pin in one of the six holes in the shaper clamp ring. While holding the shaper by hand or with a strap wrench loosen the clamp ring counterclockwise. This may require a quick initial jolt to break the ring free



Step 3) Once the ring is loose finish unthreading the clamp ring by hand. Then, slide the shaper off the front of the nozzle. Removing the shaper will expose three green Torlon balls in the shaper guide. Remove the Torlon balls.



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Step 4) Using your pointed pick remove the o-ring from the front end of the barrel. Once removed wipe the area clean with a rag.



Step 5) With the grease included in the kit lightly grease the o-ring groove in the barrel, install the new o-ring, then lightly grease over the o-ring.

Step 6) With the nozzle standing on the coupling end and the straight stream (SS) indicator aligned with the groove in the barrel, install a Torlon ball in the hole nearest the SS indicator into the forward most helical groove in the barrel. Then install the remaining two balls. The balls should be flush with the shaper guide when installed properly.



Step 7) With the nozzle still on end slide the new shaper over the barrel. Continue to slide it on until the shaper covers the Torlon balls.



Step 8) Loosely thread the shaper clamp ring onto the shaper. Set the tactile indicator to the top of the nozzle and hold in this position. Factory setting; Straight stream position is shown when tactile indicator is on top; twist the shaper guide to the full right rotation position. (Proceed to Step 9)

If you desire the tactile indicator to indicate a stream angle other than straight stream then water flow will be required. Hook up the nozzle to a hose line and flow the desired GPM. Once the desired GPM is achieved, hold the tactile indicator on top, twist the shaper guide until the desired stream angle is achieved. Once set, shut down the operation and remove the nozzle from the hose line.

Step 9) Hold the shaper with the tactile indicator on top of the nozzle. Using the TG500 or pin spanner wrench tighten the shaper clamp ring. To insure the clamp ring is tight enough twist the shaper to the full fog or straight stream position. If it is sufficiently tight the shaper will not continue to twist past the full travel stops. If the shaper continues to twist past the full travel stops reposition the tactile indicator in the desired position then tighten the clamp ring further.

Step 10) Wipe the label area on the clamp ring clean. Apply the appropriate colored clamp ring label to the nozzle. This secures the clamp ring in place.