

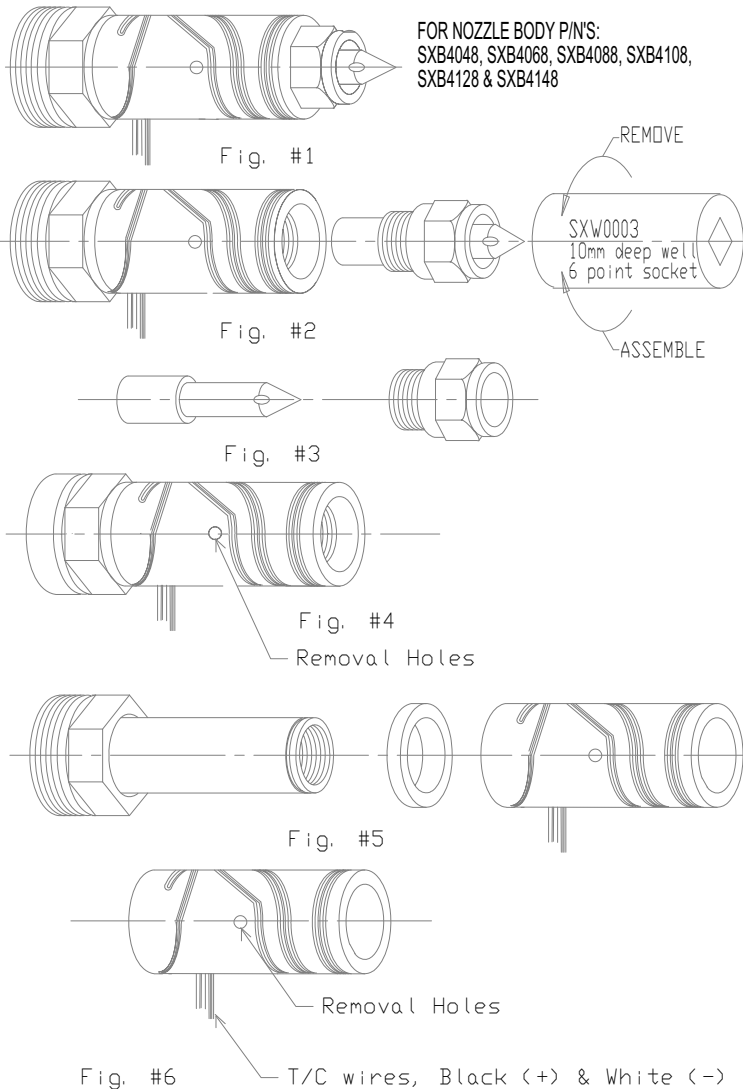
a) SXF5000 or SXF5100 retainer used with
 SXT4010, SXT5010 or SXT5200 TIPS

b) SXT1040 - Sprue Tip

Please read carefully before installing
 and/or removing nozzle from mold



HEATER REPLACEMENT INSTRUCTIONS FOR POINT GATE AND THRU HOLE TIPS



1. STELLAR nozzle sub-assembly with tip sub-assembly. (see Fig. #1) Threaded style nozzle with point gate tip shown.
2. Safety glasses and gloves should be worn when working on the mold.
3. Turn nozzle heater on, and set at 10-38°C (50-100°F) below set point of processing temperature to allow for easier tip removal.
4. Carefully clean plastic material from around tip and retainer.
5. Remove retainer with 10mm deep well 6 point socket turning counterclockwise.(see Fig. #2) Socket will fit over the front seal off area when placed on retainer hex. **DO NOT DAMAGE SEAL OFF AREA.**
6. Carefully remove tip from retainer. (see Fig. #3) Inspect seal off area for out of roundness and/or score marks and replace retainer if either condition occurs. Inspect tip for any wear and replace if wear has occurred.
7. Clean plastic material from thread and counterbore areas in nozzle body to ensure proper assembly. (see Fig. #4)
8. Turn off nozzle heater and disconnect heater and thermocouple leads from connectors on mold. Allow nozzle time to cool down.
9. Remove heater and spacer from nozzle body. (see Fig. #5)
10. If the heater is hard to remove use the removal holes placed 180 deg apart on the heater body. (see Fig. #4) Do not use the leads to pull the heater off.
11. Bend heater and thermocouple leads only if needed to better fit in the wire channel. For most cases the heater leads will exit into the wire channel.

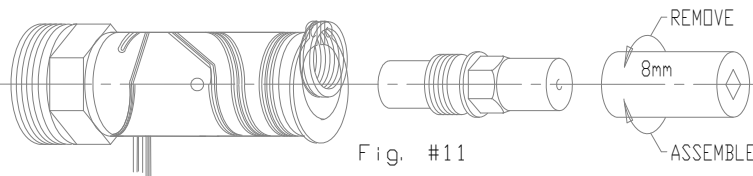
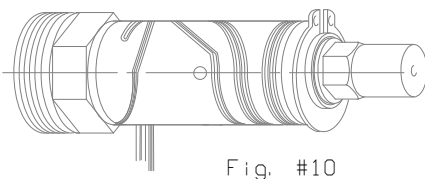
CAUTION !

REPEATED BENDING OF HEATER AND THERMOCOUPLE LEADS CAN FRACTURE LEAD WIRES. TRY TO BEND ONLY ONCE, IF POSSIBLE.

12. Slide spacer and heater over nozzle body(see Fig. #5).
13. DO NOT LUBRICATE OR USE ANTI-SEIZE ON RETAINER THREADS.
14. Assemble tip into retainer.
15. Thread retainer clockwise into the nozzle body and torque to 11.3Nm (8.3 ft-lbs/100 in-lbs) using DME Catalog No. SXW0003, 10mm deep well 6 point socket tool and torque wrench. (see Fig. #2)
16. Wire heater and thermocouple leads to connectors on mold.

HEATER REPLACEMENT INSTRUCTIONS FOR SPRUE GATE TIPS

1. STELLAR nozzle sub-assembly with tip installed. (see Fig. #10) Threaded style nozzle and sprue gate tip shown.
2. Safety glasses and gloves should be worn when working on the mold.
3. Turn nozzle heater on, and set at 10-38°C (50-100°F) below set point of processing temperature to allow for easier tip removal.
4. Remove sprue gate tip with a 8mm deep well socket turning counterclockwise. Do not damage 7mm diameter seal-off area or front molding surface (see Fig# 11).
5. Clean plastic material from nozzle and tip threads. Also, clean plastic material from tip counterbore in nozzle body to ensure proper assembly.
6. Turn off nozzle heater and allow to cool down.
7. Remove Heater Clip with Snap Ring Pliers.
8. Follow steps #9 to #12 from "Instructions for Point gate and thru hole tips".
9. Place Heater Clip onto Nozzle Body using Snap Ring Pliers.
10. DO NOT LUBRICATE OR USE ANTI-SEIZE ON THREADS.
11. Thread tip clockwise into the nozzle body and torque to 16Nm (12ft-lbs/144in-lbs) using a 8mm deep well socket and torque wrench (see Fig#11).
12. Wire heater and thermocouple leads to connectors on mold.



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NOZZLE BODY (THREADED STYLE) REMOVAL INSTRUCTIONS

NOTE: NUT SOCKET TOOL SXW0002 SHOULD BE ORDERED SEPARATELY.

1. Steps #1 thru #9 of Instructions for Point Gate and thru hole tips must be taken before nozzle can be removed from manifold.
2. Remove nut counterclockwise with socket tool D-M-E cat. no. SXW0002 (see Fig. #7).
3. Remove nozzle body from manifold.
4. Clean plastic material from thread and counterbore areas in manifold to ensure proper assembly.
5. Apply high temperature anti-seize compound to nut threads to prevent galling or seizing. Use Fel-Pro C5A or equivalent anti-seize compound.
6. Place nozzle body into manifold and thread nut clockwise into the manifold and torque to 81Nm (60 ft-lbs) using nut socket tool.
7. Follow steps #11 thru #16 of "Instructions for Point Gate & Thru Hole hole tips" for final assembly".
8. Reassemble manifold into the mold.

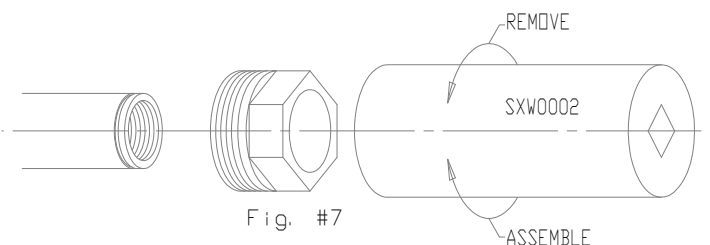


Fig. #7

NOZZLE BODY (COMPRESSION STYLE) REMOVAL INSTRUCTIONS

1. Steps #1 thru #9 of Instructions for Point Gate and thru hole tips must be taken before nozzle can be removed from mold.
2. Carefully remove manifold from mold base.
3. Remove nozzle body from manifold.
4. Remove nozzle head from nozzle body (see Fig. #8 & Fig. #9).
5. Carefully clean area where nozzle body and manifold seat together.
6. Assemble nozzle head and nozzle into nozzle plate.
7. Reassemble manifold into the mold.
8. Follow steps #11 thru #16 of "Instructions for Point Gate & Thru Hole hole tips" for final assembly.
9. Reassemble manifold into the mold.

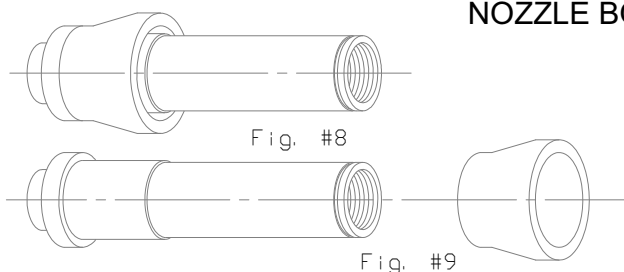


Fig. #8

Fig. #9

IMPORTANT SAFETY INFORMATION

A hot-runner system includes electrical elements and may contain molten plastic at elevated temperature and pressure. To avoid injury, exercise caution by reading these instructions before servicing or operating the system.

These instructions must be passed on to the end user where they should be read before using this product. Failure to do so can result in serious injury or death.



DANGER

Failure to comply will result in serious injury or death:

ELECTRICAL HAZARDS

Improper voltages or grounding can result in electrical shock. Use only with proper voltage and a proper earth ground.

To avoid electrical shock, do not operate product when wet.

Do not operate this equipment with covers or panels removed.

To avoid electrical shock, turn off main power disconnect and lockout / tag out before servicing this device. Do not connect temperature sensors to electrical power. It will damage the product and it can cause fire, severe injuries or even death.

If green ground wire present wire must be connected to the ground.

Do not rebend rigid leads. Rebending leads might result in damage to circuit.

Product might absorb moisture when cool. Use low Voltage or power to drive out residual moisture before applying full power. Failure to do so may cause damage to this product.



WARNING

Failure to comply can result in serious injury or death:

STORED ENERGY AND HIGH TEMPERATURE HAZARDS

This product maintains molten plastic at high pressure. Use caution when operating and servicing the system.

Physical contact with molten plastic may result in severe burns. Proper protective equipment, including eye protection, must be worn. This product has heated surfaces. Use caution when operating and servicing the system to avoid severe burns. Proper protective equipment should be worn.

WIRING INFORMATION

High Performance Heaters are supplied with 2" pre-stripped 46" long leads.

Heaters are 230 VAC.

2 power leads are MULTI COLOR

1 ground lead is GREEN.

Thermocouples are "J" Type.

Thermocouples are supplied with 46" long leads.

1 T/C lead is WHITE and negative (-) constantan (non-magnetic).

1 T/C lead is BLACK and positive (+) iron (magnetic).

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