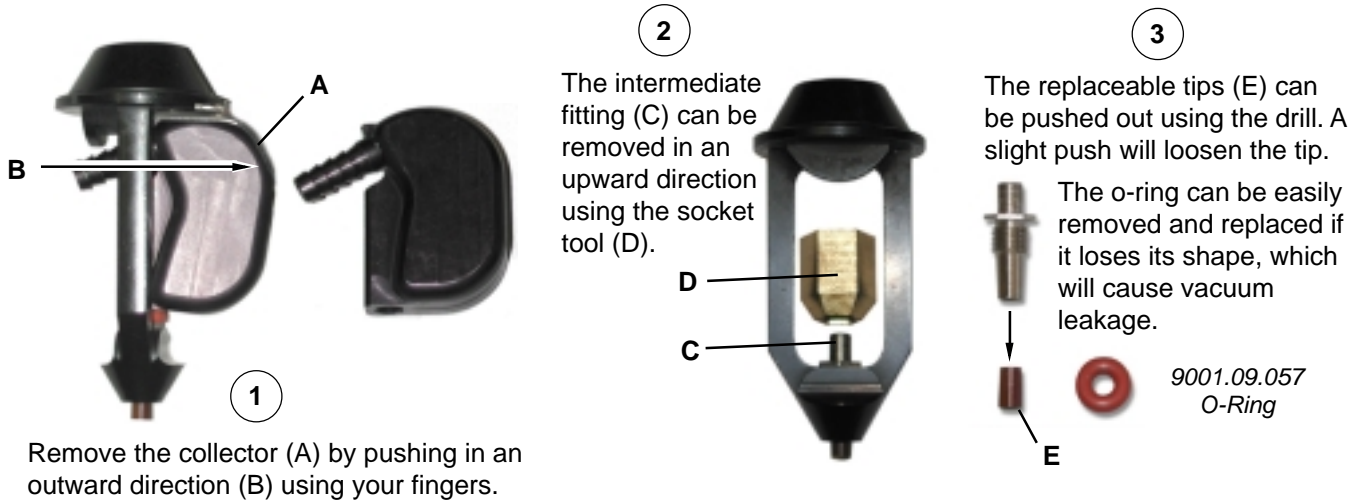


15.2 Maintenance

Clean the Nozzle & Solder Collector Assembly Daily

IMPORTANT: TO INSURE SAFE HANDLING, THE SYSTEM MUST BE COOL BEFORE DISASSEMBLING.

Disassemble Site Solder Nozzle - DAILY

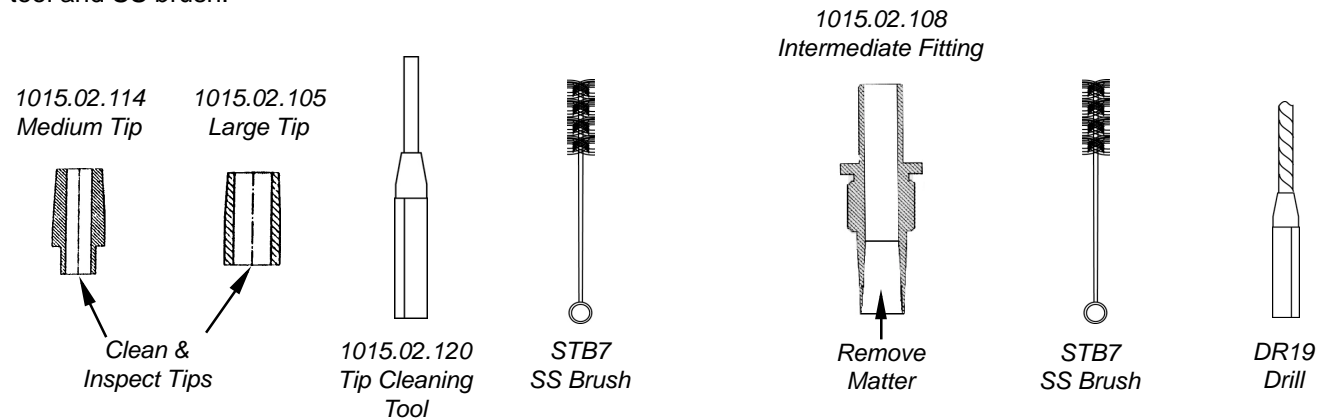


Clean Replaceable Tips - DAILY

Once the tip is removed from the intermediate fitting, the working surface can be checked for excess wear. The inside diameter can now be cleaned with the tip cleaning tool and SS brush.

Clean Intermediate Fitting - DAILY

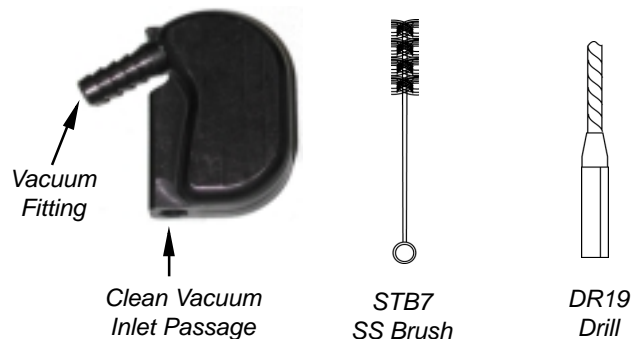
Use both the SS brush and the drill to remove any scale, small solder particles and foreign matter from the inside diameter.



Clean Solder Collector - DAILY

This cleaning procedure is used on a daily basis when the collector is in one piece.
(see procedure on the following page for cleaning after extended use).

Once the intermediate fitting is removed, the inlet vacuum passage into the collector can be cleaned with both the drill and SS brush. The I.D. of the vacuum fitting can also be cleaned.



Clean Nozzle & Solder Collector Assembly (continued)

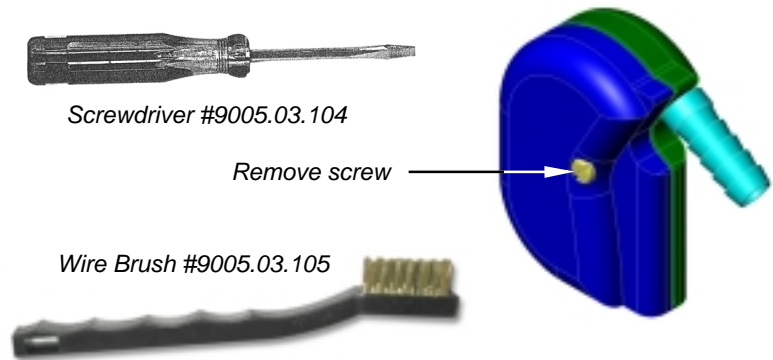
IMPORTANT: DO NOT ALLOW EXCESSIVE SOLDER BUILD UP IN THE COLLECTOR. THIS WILL CREATE EXCESSIVE MAINTENANCE.

The following cleaning procedure should be performed if the site cleaning tool fails the vacuum gauge test (see section 15.1: Test Procedure). The system must be cool to insure safe handling, then the parts must be disassembled to insure an open passage through the nozzle into the collector.

Disassemble Solder Collector

After extended use, the solder collector can be disassembled so the entire internal solder collection chamber can be cleaned of solidified solder and all foreign matter.

Failure to remove accumulated solder and flux will result in poor vacuum output, incomplete solder removal and possible damage.



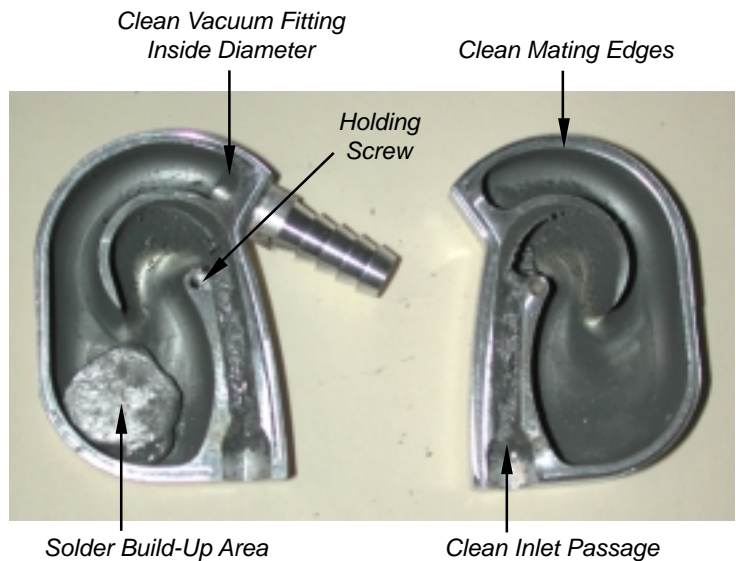
Clean Solder Collector

The photo at right shows where the majority of the molten solder will solidify and collect. The collector has sufficient capacity to handle many sites. The solder will not stick to the aluminum surface and can be cleaned using the small screw driver and wire brush.

Once the internal surfaces are completely clean, the 2 halves can be re-assembled with the holding screw.

IMPORTANT: THE MATING EDGES OF EACH HALF MUST BE CLEAN TO ALLOW THE EDGES TO SEAL PROPERLY. IF SOLDER IS ON THE EDGES AND IS NOT POSSIBLE TO CLEAN, THE COLLECTOR MUST BE REPLACED.

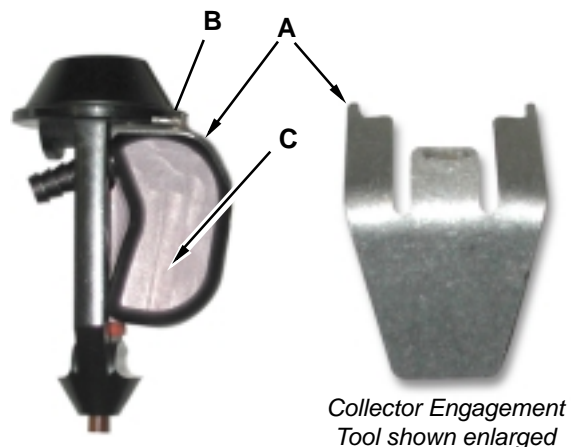
The auto vacuum sensor height adjustment depends on a complete seal of the collector.



Re-assemble Solder Collector

- The collector can now be re-assembled to the nozzle using the collector engagement tool (A). Position the tool as shown (B) and push the collector in a downward/inward direction (C) until it snaps into place.

- The clean nozzle is now ready for additional use.



Replacement of Tubing & Vacuum Filter

Part of this system consists of the clear blue tubing (A) from the vacuum pump (B) to the flux collector (C), and the black tubing (D) from the flux collector to the nozzle/collector assembly (E). Under normal use, the clear blue tubing should last for many months due to the protection from the filter. The black tubing will collect some flux and foreign particles and should be replaced every 3 months. In addition, the tubing connection into the nozzle should be checked for wear due to high heat exposure. The filter element (F) should also last for many months depending on the quantity of flux removed from the sites.

1 - To test whether the filter element (F) should be replaced, remove the black tubing from the collector and activate the site cleaning vacuum.

2 - The vacuum gauge (G) **must read 8”Hg or less**, if not, replace the filter and check the clear blue tubing. This same test can be used to check the black tubing by connecting it to the canister and checking the vacuum gauge.

SSRS Vacuum Pump Kit

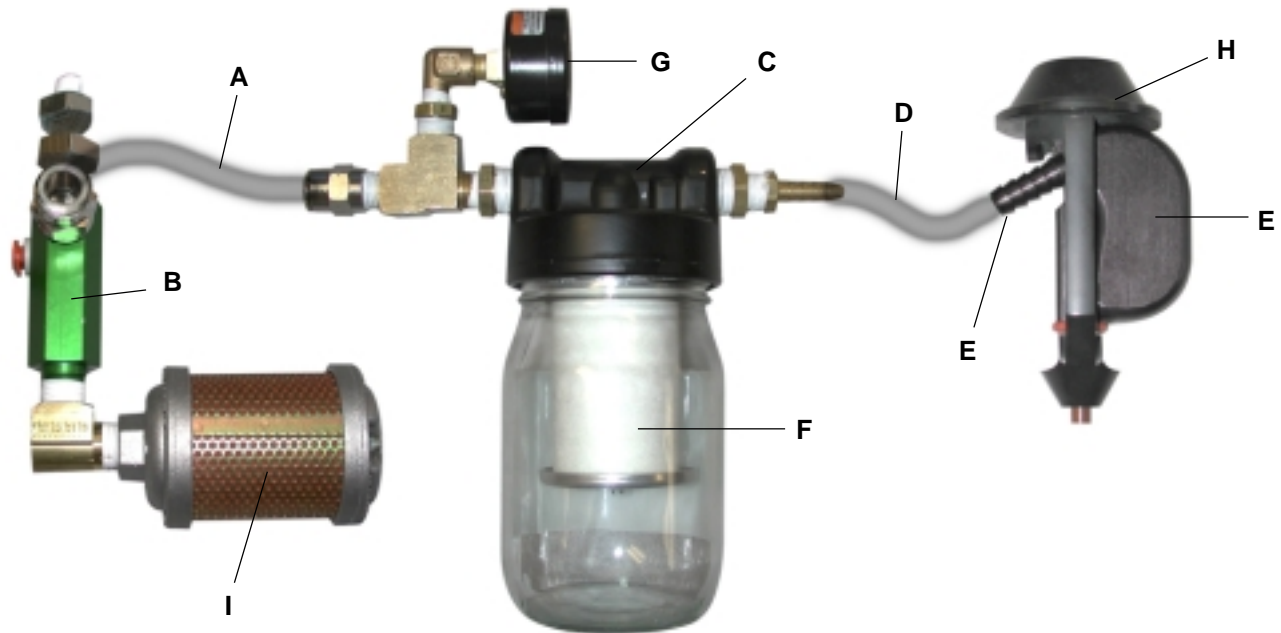
(External back of machine)

SSRS Filter Canister Kit

(External left side of machine)

Site Cleaning Nozzle & Collector Assembly

(In Heater Head Assembly)



The 1015.00.014 High Capacity Site Solder Removal System above consists of 3 basic assemblies:

- 1 - SSRS Vacuum Pump Kit #1015.70.020 (included as part of DRS24 system)
- 2 - SSRS Filter Canister Kit #1015.70.025 (included as part of DRS24 system)
- 3 - Site Cleaning Nozzle & Collector Assembly #1015.07.011

A - 9001.15.036	Tubing (blue) 18"
B - HAV147HDRS24	Vacuum Pump
C - 1015.70.025	Canister Kit
D - 9001.15.031	Tubing (silicone), 3'
E - 1015.07.040	Collector Assembly
F - 9001.12.027	Filter, Vacuum Canister
G - VG30	Vacuum Gauge
H - 1015.02.040	SSRS Nozzle
I - S147AV	Muffler, Air

NOTE: See page 9 for a complete parts listing.