Heat Exchanger Removal Instructions For STS-3 & 5

STS-5

1. Loosen the band clamp that secures the 45 degree flexible elbow to the heat exchanger inlet.
2. Remove the six (three per side) hex head screws that secure the heat exchanger to the mounting frame.
3. Disconnect the 45 degree flexible elbow from the heat exchanger inlet and remove the heat exchanger.

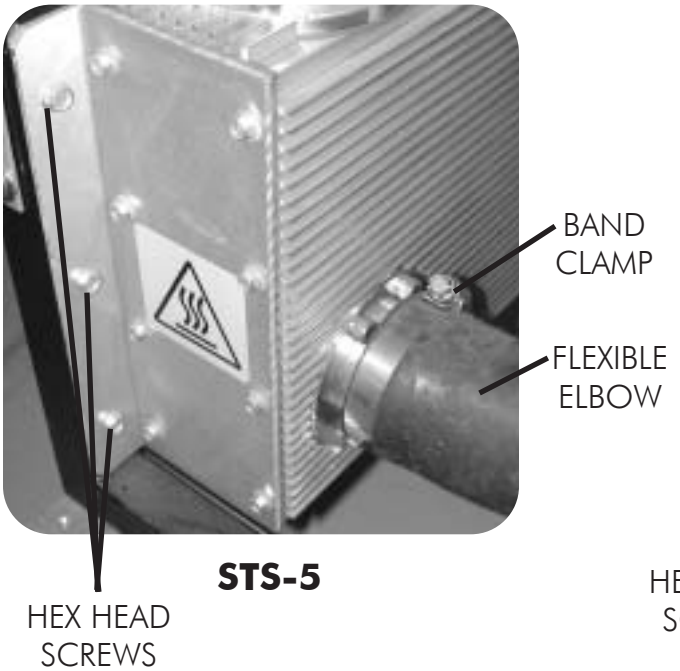
NOTE: The 45 degree flexible elbow is 2" ID. If a 2" barb or a 1-1/2" FNPT is desired remove the inlet and exhaust fittings from the heat exchanger and couple them together using one of the existing gaskets and ¼-20 nuts and bolts (not included).

STS-3

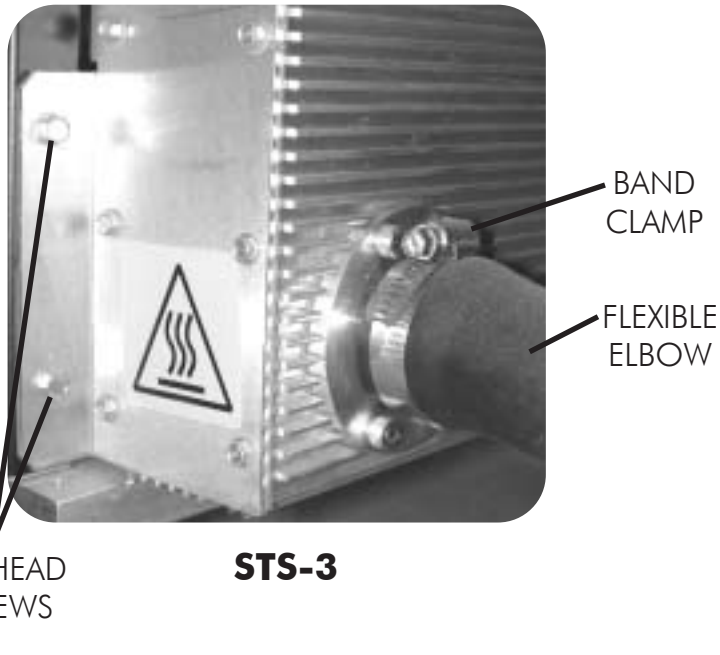
1. Loosen the band clamp that secures the flexible elbow to the heat exchanger inlet.
2. Remove the four (two per side) hex head screws that secures the heat exchanger to the mounting frame.
3. Disconnect the flexible elbow from the heat exchanger inlet and remove the heat exchanger.

NOTE: The flexible elbow is 1-1/2" ID. If a 2" barb or a 1-1/2" FNPT is desired remove the inlet and exhaust fittings from the heat exchanger and couple them together using one of the existing gaskets and ¼-20 nuts and bolts (not included).

- After the heat exchanger is removed you must run a minimum of 10 feet of non insulated metal pipe (copper, galvanized, iron …) before venting into plastic pipe.
- If not venting into plastic pipe you can insulate the metal pipe up to the vent point. This will prevent the exhaust piping from raising the ambient temperature of the room.
- If venting into plastic pipe and there is a need to lower the rooms ambient temperature. Insulate the metal pipe in the room and remotely mount the heat exchanger.



STS-5



STS-3

Note:
The STS unit must be used in a controlled temperature environment. Maintain equipment room temperature between 40 and 105 degrees Fahrenheit. Adequate forced ventilation must be provided across the unit by placing an appropriate exhaust fan opposite an equivalent air intake vent. The fan should be higher than the associated intake vent. Recommended minimum exhaust fan requirements are as follows:

STS-3	500 CFM
STS-5	600 CFM
STS-15	800 CFM
STS-6	1000 CFM
STS-10	1200 CFM
STS-30	1600 CFM