

xFUME™ ROBO

Installation Instructions

for ROBO WH Through-Arm Torches

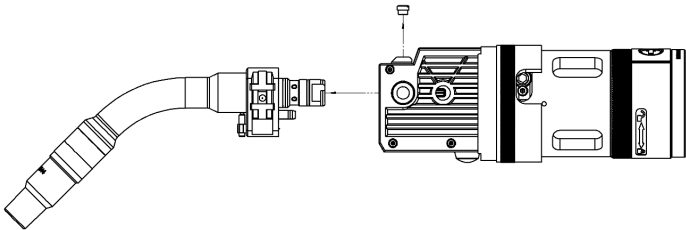
INT.9046



NOTE: For optimal fume extraction performance, the xFUME Robo should be paired with a vacuum capable of pulling the following minimum static vacuum pressures measured at the end of the 5' suction hose: 22" w.c. for solid wires, 40" w.c. for cored wires. Performance may vary depending on robot position to the arc.

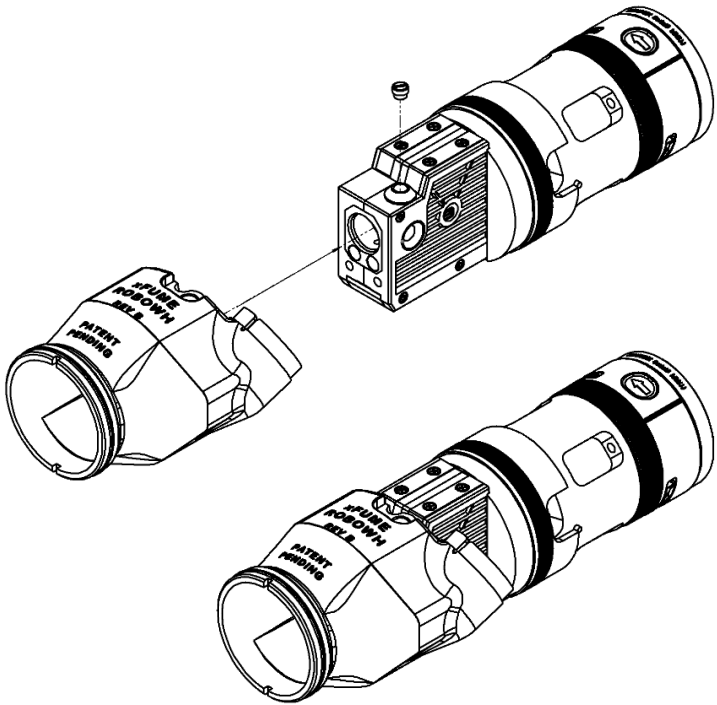
1 Before Installation Begins

- Remove the swanneck and the 8-mm set-screw from the metal screw-boss on the top of the WH block.



2 Install Housing

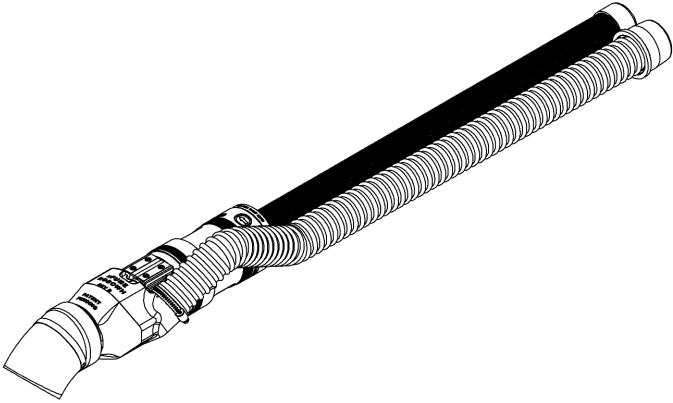
- Slide the xFume Robo-WH housing over the WH block. The fitment will be snug and will pop into place when fully seated. Gently thread the provided 8-mm bolt into the screw boss that the large set-screw was removed from; the boss will act as a torque-limiter by rotating if over-tightened. The swanneck can now be reinstalled.



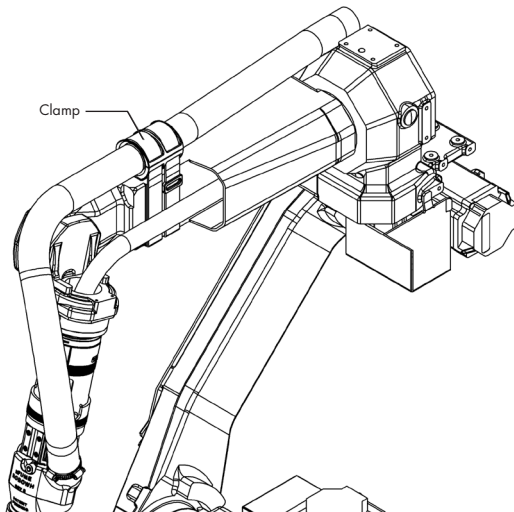
Note: If attempting to remove the xFume Robo-WH kit from the robot, the screw boss may slip making it difficult to remove the 8-mm bolt. If this happens, simply place the end of a straight-blade screwdriver between the edge of the boss and the loft on the WH block. Rotate the bolt counter-clockwise until the flat-edge of the boss lines up with the screwdriver. Use some pressure on the screwdriver against the boss to prevent it from rotating while backing out the bolt.

4 Install/Route Extraction Hose

- Install 1.5" suction hose by inserting the coupler into the vent tube. Gently snug the worm-drive clamp to secure hose coupler in place.

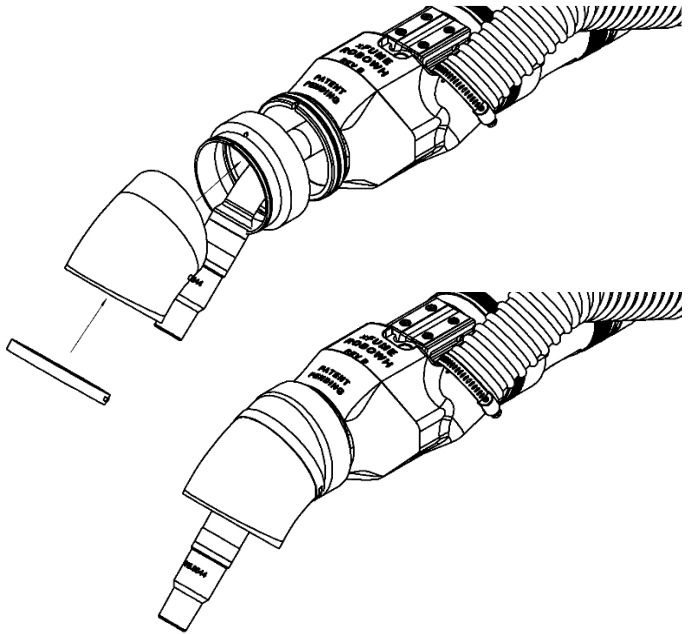


- Lay the extraction hose along the robot arm and between the halves of the hose-management clamp. Keep the clamp as far forward on the robot arm as practical while maintaining a sufficient service loop in the front to allow the robot complete range of motion without excessive pulling, twisting or binding of the extraction hose. Secure the clamp by cinching the elastic hook-n-loop straps through the clamp and around the robot arm. The clamp should not be able to move easily under the straps.



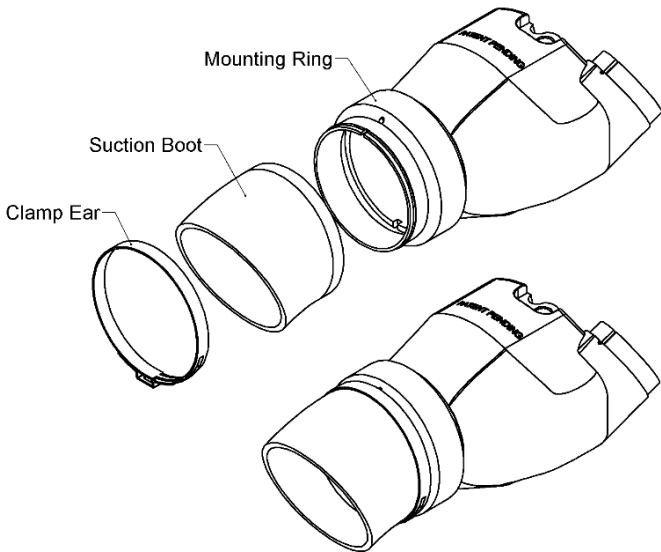
4 Installing/Replacing Suction Boot

- Aligning the curvature of the suction boot with the curvature of the swanneck, snap the suction boot ring assembly onto the xFume Robo-WH housing. Gently rotate the boot mount on the housing until it locks into position.



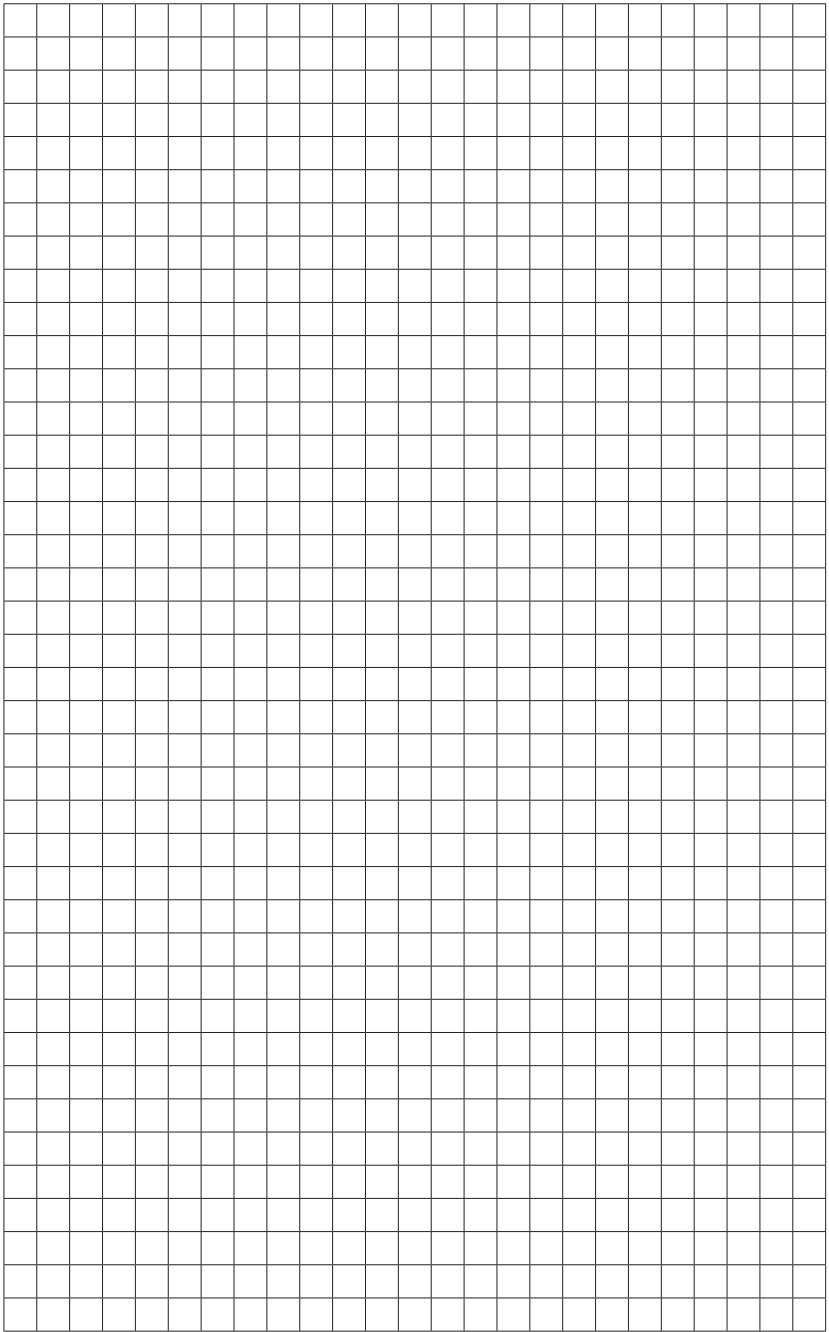
When replacing the suction boot, or installing a suction boot that was purchased separately, assemble the suction boot, clamp, and mounting ring as follows:

- Orient the suction boot so that the seam line on the top (outer) curvature is in line with the set-screw/rotational positioner on the mounting ring. It is recommended to do this with the xFUME Robo housing already installed on the torch to ensure proper orientation/positioning of the suction boot. Align the clamp ear with the bottom (inner) seam line on the suction boot. Before clamping, ensure the boot is fully seated on the mounting ring and that it is more-or-less concentric with the swanneck/nozzle.



Note: If the suction boot does not appear to be more-or-less concentric with the swanneck it may be due to the boot being installed backwards. Try placing the opposite end of the boot onto the mounting ring. If the boot is still not concentric, try to skew the boot on the ring as necessary before clamping.

6 Notes



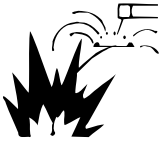
Danger

• Read and follow the manufacturer's instructions, employer's safety practices and Material Safety Data Sheets (MSDSs).

• Only qualified personnel should install, use or service this material and/or equipment.



ELECTRIC SHOCK can kill.
 • Always wear dry insulating gloves.
 • Do not touch live electrical parts.
 • Always disconnect power source before hooking up or changing electrodes, nozzles and other parts.



WELDING SPARKS can cause fire or explosion.

- Do not weld near flammable material.
- Do not weld on closed containers.
- Remove combustibles from the work area and/or provide a fire watch.
- Avoid oily or greasy clothing as a spark may ignite them.



FUMES AND GASES can be hazardous to your health.

- Keep your head out of the fumes.
- Use enough ventilation or exhaust at the arc to keep fumes and gases from your breathing zone, and the general area.
- Fumes from welding and cutting can deplete air quality, causing injury or death. Always wear an air supplied respirator in confined areas or if breathing air is not safe.



ARC RAYS can injure eyes and burn skin.

- Always wear correct eye, ear and body protection.
- Always wear a welding helmet with the proper grade filter lens. Protect yourself and others from spatter arc flash rays by using protective screens, barriers and welding curtains.
- Always wear protective gloves and clothing to cover exposed skin. This will aid in the prevention of arc and spatter burns.



LOUD NOISE can damage hearing.

- Always wear protective hearing devices to ensure protection when noise levels exceed OSHA standards.

Do Not Remove This Label.

ID 123-4567C1

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Read American National Standard Z49.1, "Safety in Welding, Cutting and Allied Processes" available from the American Welding Society, 8669 NW 36 St #130, Miami, FL 33166; OSHA Safety and Health Standards, available from U.S. Government Printing Office, Washington, DC 20402



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