

# INSTRUCTIONS FOR #861593 ATTACKER

## **DESCRIPTION**

The Attacker is a complete air washing system that uses compressed air through rods and cleaning heads designed to remove dirt and debris from air ducts.

## **COMPONENTS:**

- 7 - #861487 5' Medium Rods (More rigid and recommended for straight and larger ductwork)
- 7 - #860494 5' Flexible Rods (Recommended for ductwork with elbows and turns)
- 1 - #860500 – Forward Nozzle (Used to loosen and push debris toward vacuum system)
- 1 - #860501 – Reverse Nozzle (Used to loosen and pull debris toward vacuum system)
- 1 - #861109 – 18" Standard Whip (Used to sweep ductwork away from or toward the operator)
- 1 - #861497 – 6' Whip Nozzle (Gets into all corners and used to sweep ductwork away from operator)
- 1 - #861599 – Duct Guide Ball (Helps to guide and elevate air nozzles over seams and ribs. Rolls from side to side for cleaning rectangular ducts)
- 1 - #860492 – Vent Tool (Special L-Shaped tool for reaching through vent covers)
- 1 - #860497 – Air Control Valve (Connects to airline & rods to supply and control air flow to cleaning heads)
- 1 - #862673 – Carrying Bag w/Zippered Pouch (Transports rods and cleaning heads)

**CLEANING HEADS WITH WHIP TIPS ARE NOT RECOMMEND FOR USE ON  
FLEX DUCT, DUCT BOARD AND INSULATED DUCTWORK.**

## **OPERATION**

**ALWAYS WEAR EYE PROTECTION** when working with compressed air.

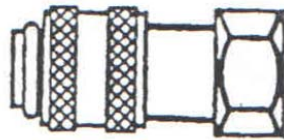
The Attacker rods are the delivery system for the cleaning heads. The black flexible rods allow the operator to navigate the cleaning heads through smaller ductwork like the main return/supply ducts. The white medium rods are more rigid and may be more useful in larger straighter runs like the main trucklines. The rods couple together using quick

connect couplers that lock together. The cleaning heads snap on the end of the rods using the same coupler and plug system. All rods and cleaning heads can fit in a 1" access hole.

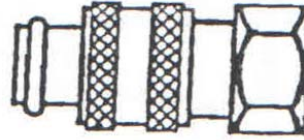
Connect your air control valve to the rods, then connect a cleaning head to last rod. Slowly feed the rods through the ductwork allowing the cleaning head to push or pull dust and debris back towards your vacuum source. The recommend feed rate for dust is 1 to 2 inches per second. When larger debris is present a rate of 5 or more seconds per inch is recommended.

The couplers lock together and when properly joined will not uncouple until taken apart. To lock, push the male plug into the female coupler. The collar on the female coupler will slide forward and lock. To uncouple, push the male plug forward into the female coupler and pull the collar back.

Couplers accidentally set in the locked position cannot be joined together. The coupler must be set in the unlocked position to work. Use a small object such as screwdriver, pen or pencil to push in the inner portion of the coupler while pulling back on the outer collar.



**Locked**



**Unlocked**

## **MAINTENANCE**

Keep couplers clean. Use a good contact cleaner or brake cleaner to keep couplers free from debris. Never use oil-based lubricants as they will attract dirt. To prevent cross contamination always wipe the rods with a clean cloth as you are removing them from the duct.