



Source Capture Systems

Operation and Maintenance Manual

Retractable Telescopic System Series RTS



MONOXIVENT - SOURCE CAPTURE SYSTEMS

1306 Mill St., Rock Island, IL 61201
877-608-4383 - info@monoxivent.com
monoxivent.com

Receiving:

Check all packages for shipping damage. If damage is found then you, as the receiver, must note the damage at time of receipt or contact the carrier and file a damage receipt claim. **As the receiver, this is your responsibility.**

General Information for the RTS - 543 System

1. Check components of the RTS System (see diagram)
2. Loosen upper hose clamp, which secures saddle assembly to the RTS and remove saddle.
3. Determine the location for the RTS on the main overhead duct system. Cut a 5" diameter hole in this ductwork. Securely attach the saddle assembly to overhead ductwork, centering the saddle over the pre-cut hole, using the four pre-drilled holes in the saddle as a guide. Seal around the saddle assembly using hi-temp silicon caulking or other suitable sealant.
4. Re-attach RTS System to the saddle using the supplied hose clamp. Adjust RTS height so that the nozzle is approximately 6' above finished floor. This height is a recommendation only. Sliding the RTS up or down the supplied saddle makes this adjustment.
5. The saddle body is approximately 15" long. In instances where the saddle body is fully inserted into the RTS, in order to avoid interference with the inner RTS tube, the saddle body may require shortening. If this is the case ensure that at least 3" of the saddle remain inserted into the RTS at all times. This will allow for proper clamping pressure of the supplied hose clamp.

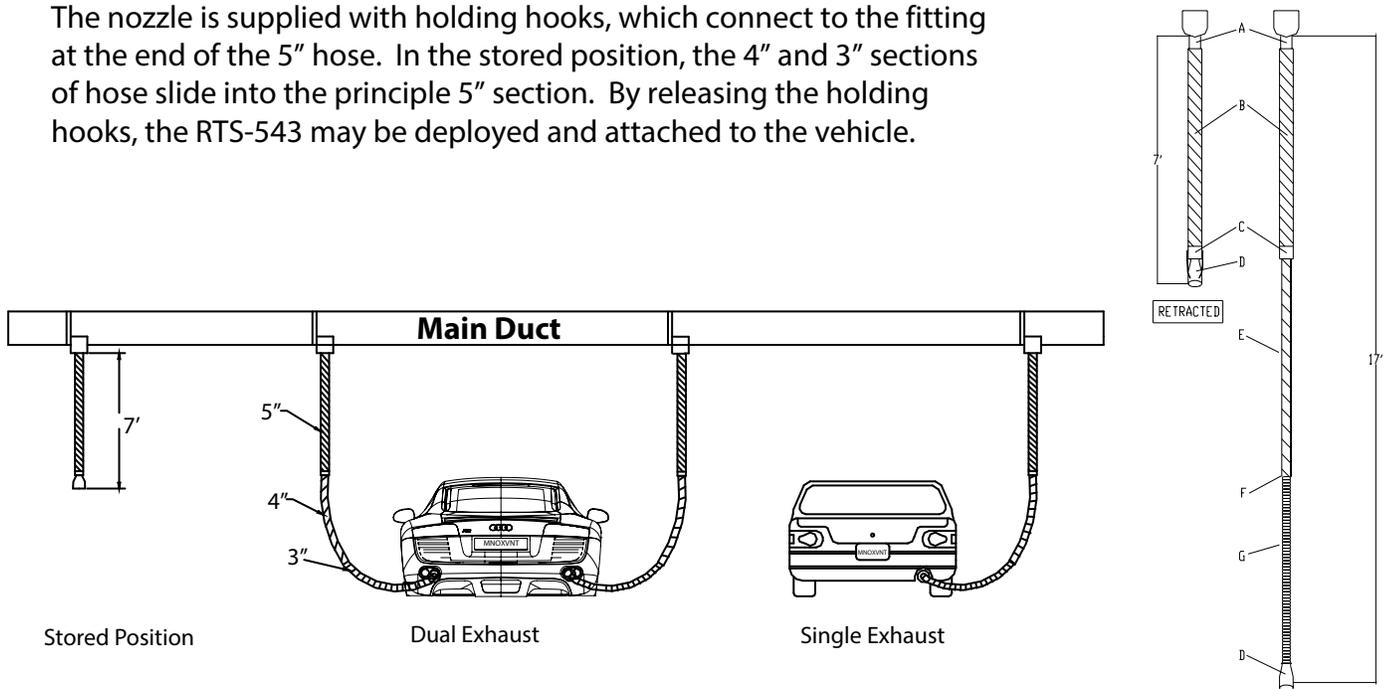
Product Overview:

The RTS system offers three tiers of hose retraction. The system, mounted to duct, features an overhead storing concept. The RTS does not require lifting accessories.

The three-tier concept allows for different lengths of tubing to store one inside the other. The system is supplied with a highly visible red wear strip for safety; on the upper section of tubing. The center and upper sections of tubing are constructed of a light weight material, however the center section does not feature the red wear strip. The lower section is constructed of no-crush neoprene, allowing for years of user friendly service. The construction process creates a light weight system (only 19 pounds, including duct saddle) that is extremely durable.

The RTS is 7' long in its stored position (see below). Main duct work is generally hung at a height of 14-16 feet. The RTS is provided with an adjustable length duct saddle that allows for easy height adjustment. The RTS's neoprene nozzle easily attaches to both single and side-by-side vehicle exhaust systems. As shown (below) the RTS can be installed to handle both single and dual exhaust vehicles, without need for additional attachments.

The nozzle is supplied with holding hooks, which connect to the fitting at the end of the 5" hose. In the stored position, the 4" and 3" sections of hose slide into the principle 5" section. By releasing the holding hooks, the RTS-543 may be deployed and attached to the vehicle.



Product Breakdown:

Hose:	5" and 4" sections are constructed of smooth bore lightweight tubing 3" section is constructed of no-crush neoprene
Model:	RTS 543 consists of: 6'-6" x 5" Hose 6' x 4" Hose 5' x 3" Hose Oval Nozzle Stainless Duct Saddle Spring Damper (optional)
Nozzle:	Series 23827 All Neoprene Oval Mouth Adapter

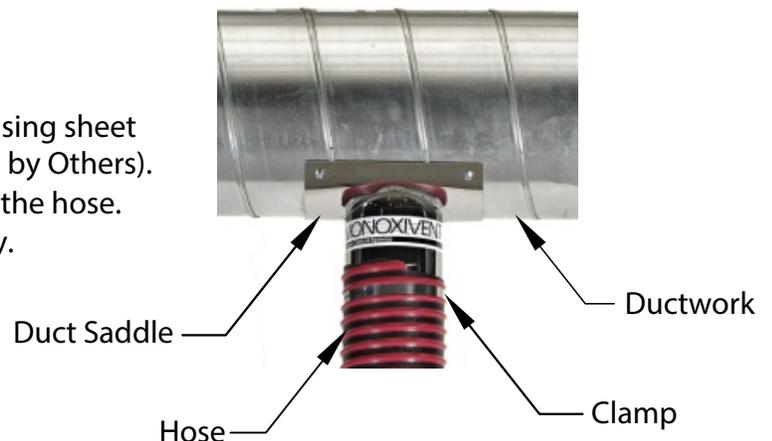
General Information:

The RTS (Retractable Telescoping System – 543) is an overhead self-storing vehicle exhaust extraction system. The RTS-543 is shipped fully assembled and consists of three hoses. Hose assemblies are supplied with built in stops, ensuring that the hoses will not separate. Hose G inserts to Hose E and both hoses (G&E) insert into Hose B for storage.

The RTS-543 is supplied with the 23827, 4" neoprene oval mouth nozzle. This nozzle will fit both single and twin side-by-side vehicle exhaust systems. The 23827 may also be supplied with an optional (SHD) spring hinged damper.

Installation:

1. Connect saddle assembly to ductwork using sheet metal screws or rivets. (Screws or Rivets by Others).
2. Slide the clamp loose over large end of the hose.
3. Slide the hose over the saddle assembly.
4. Tighten the clamp.



Component List:

- A Stainless steel, 5" x 15" saddle assembly; Clamp, Worm Gear for 4", 5", 6"
- B 6' x 6" x 5' smooth bore hose with high visibility red stripe
- C Lower stainless steel hose stop with holding slots
- D 23827, no-crush neoprene oval mouth nozzle with storage hooks, chains
- E 6' x 4" smooth bore hose
- F Hose stop for lower hose assembly
- G 5' x 3.5" no-crush hose