

CAR-MON POSITIONING POLE

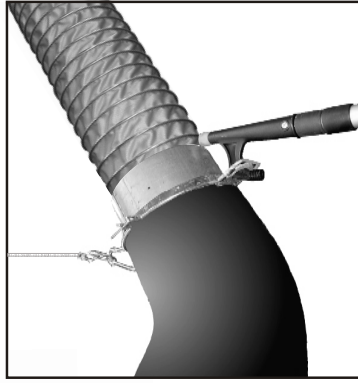


The positioning pole is adjustable. To adjust the length, use the twist lock to unlock and lock the pole to the desired length.

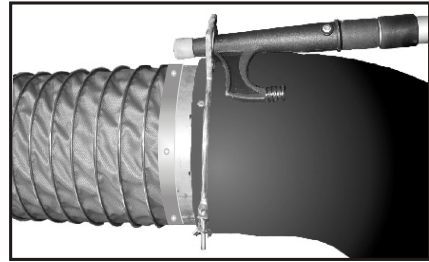


— POSITIONING KNOB: Used for positioning the adapter on to the exhaust pipe.

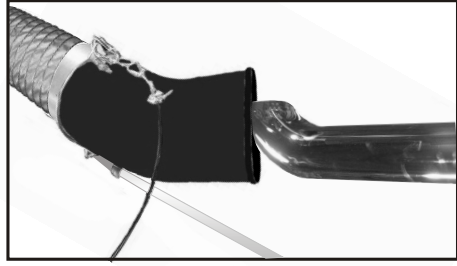
— PULL DOWN KNOB: Used to pull the adapter down from the storage position.



The positioning pole pull-down knob is inserted in the hole in the lifting ring on the EPDM adapter. The adapter is usually attached to the cable from the retractor or balancer. Pull the adapter assembly down far enough to fit over the exhaust pipe. After use, pull down the adapter enough to dis-engage the retraction of the retractor or balancer unit. Check operation instructions that were provided with the retractor mechanism.

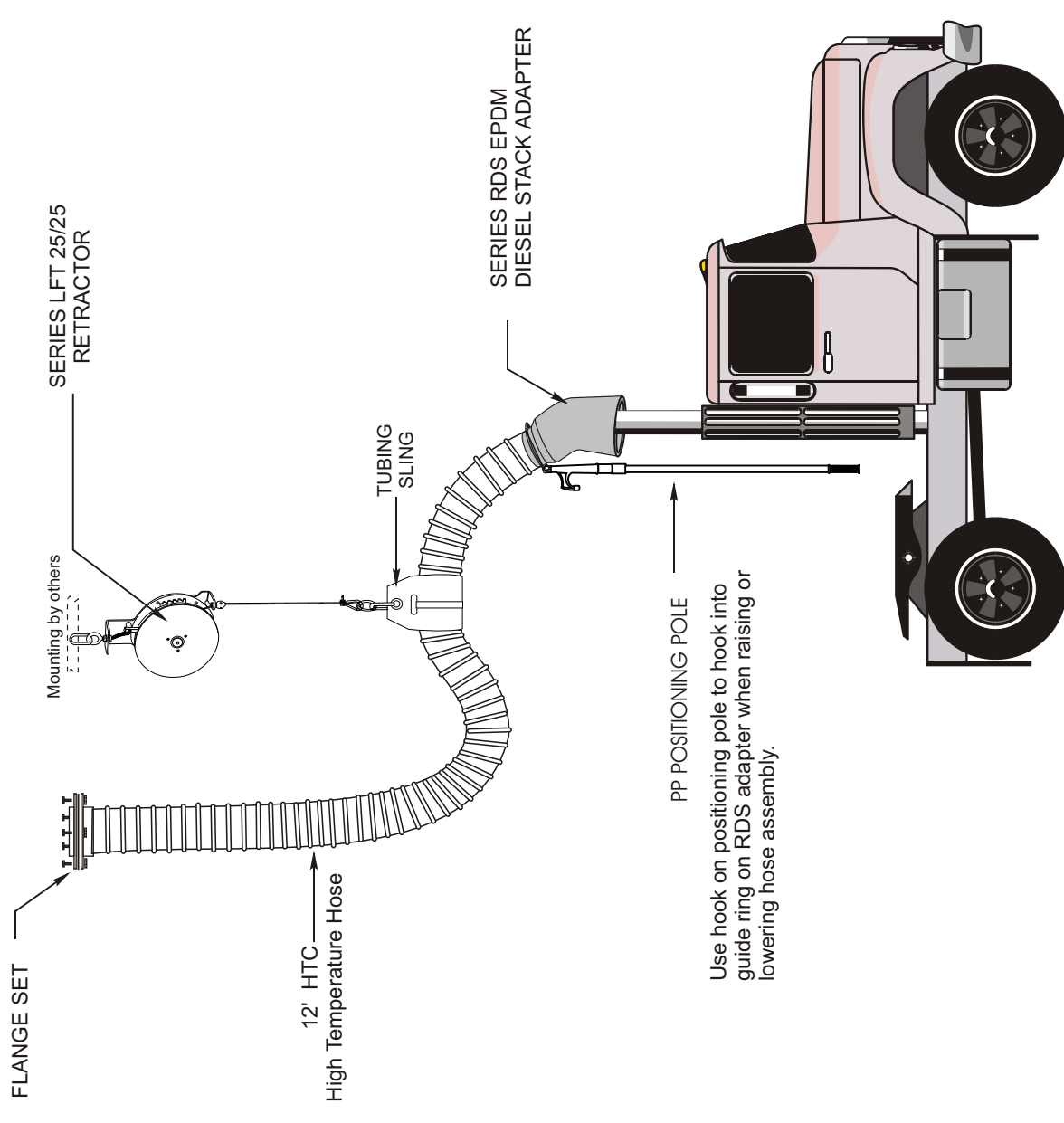


After pulling the hose assembly down, insert the positioning part of the pole into the hole on the lifting ring as shown on left, and position the adapter over the diesel stack as shown on right.



INSTALLATION INSTRUCTIONS

DIESEL EXHAUST PACKAGE



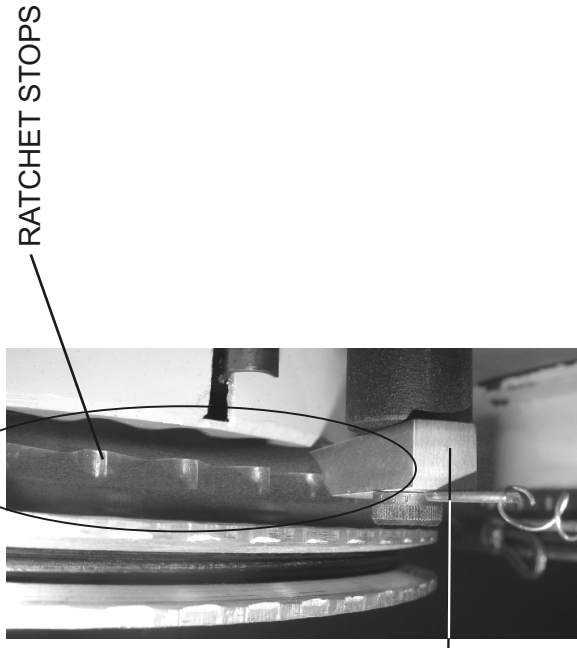
INSTALLATION

1. Install tubing assembly to duct work. The assembly may also be attached to a wall or ceiling platform if a fan was part of the tube assembly.
2. Install balancer per balancer instructions. Balancer must be installed so that the travel of the balancer cable is within range of the exhaust stacks.

OPERATION

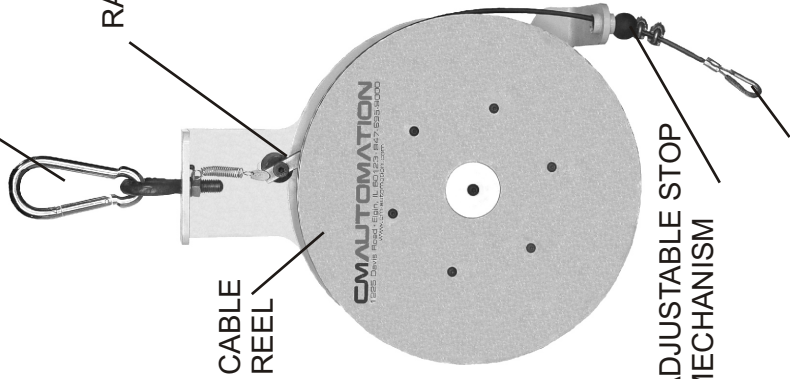
1. Pull RDS adapter down with positioning pole so that it covers the exhaust stack. Never attach the adapter to the stack with the vehicle running. After attaching the adapter to the exhaust stack, make sure the fan is running before starting vehicle.
2. After servicing, shut vehicle down and continue to run the fan till the tubing and adapter are cooled. Remove the RDS adapter by using the positioning pole. Pull down on the pull down loop to release the tension on the balancer cable and retract the tubing assembly.

CAR-MON SERIES LFT HEAVY-DUTY BALANCER



RATCHET STOPS

MOUNTING RING & SAFETY CLIP



RATCHET STOP MECHANISM

CABLE REEL

ADJUSTABLE STOP MECHANISM

SAFETY CLIP

WARNING

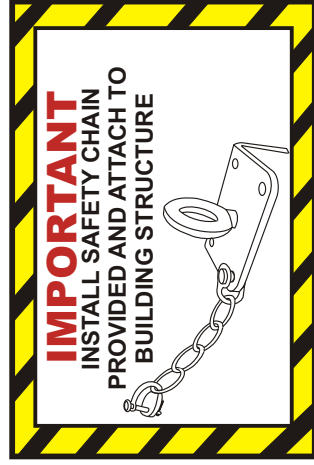
DO NOT operate with damage or frayed cable.
DO NOT remove load until tension is released.
DO NOT lift loads not centered under balancer.

NOTE:

If balancer is attached to a Car-Mon platform, it should be mounted directly above the tubing assembly so the cable hangs as perpendicular as possible during use, minimizing wear on the cord and the guide.

INSTALLATION

1. Hang the balancer on the Car-Mon platform (if provided) or mount directly above the work area securely. The mounting ring can be removed if balancer is to be bolted to the platform. The weight of the balancer and the tubing drop should be taken into consideration when mounting. If the balancer is mounted with mounting ring, install the safety chain provided and attach to the building structure, and not at the same attachment point as the mounting ring.
2. When the balancer is secure, raise the tubing assembly to the safety clip. **DO NOT pull the cable down from the balancer to attach to the tube assembly! Damage to the balancer or injury could result!** If the balancer tips to an angle after tubing is attached, try mounting the balancer to a location where the coated cable hangs as perpendicular as possible.



HEIGHT ADJUSTMENT TO ADD TENSION

NOTE: If tube assembly cannot be safely and properly supported during the adjustment process, it should be removed.

1. Fully retract balancer to release tension. You may need to remove tube assembly. Do not adjust with tube assembly attached to the balancer unless properly supported.
2. Manually pull the cable by the adjustable stop until about 6' of cable is hanging and ratchet stop is engaged in one of the ratchets. Make one wrap of cable **clockwise** around the cable reel. Grab the adjustable stop and carefully release the tension on the cable. Now check the position of the ratchets and ratchet stop. The ratchet stop should not be engaged in any of the ratchets, and the ratchets on the cable reel should be at the 9 and 3 o'clock position. If they are not, pull the cable out manually and move the adjustable stop (make sure to tighten securely) so that when the stop is in the resting position, the ratchet stop is not engaged.
3. Repeat the procedure if necessary, adjusting only one wrap at a time.

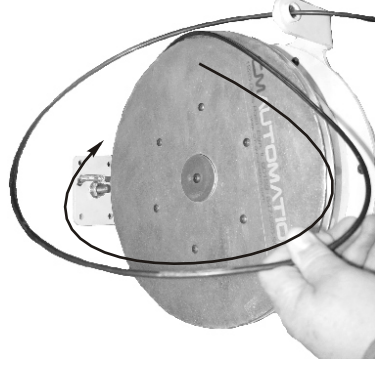
TO DECREASE TENSION

NOTE: If tube assembly cannot be safely and properly supported during the adjustment process, it should be removed.

1. Fully retract balancer to release tension.
2. Manually pull the cable by the adjustable stop until about 2' of cable is hanging and ratchet stop is engaged in one of the ratchets. While supporting the tube assembly unwrap the cable (one wrap) **counter clockwise** around the cable reel. Grab the adjustable stop and carefully release the tension on the cable. Now check the position of the ratchets and ratchet stop. The ratchet stop should not be engaged in any of the ratchets and the ratchets on the cable reel should be at the 9 and 3 o'clock position. If they are not pull the cable out manually and move the adjustable stop (make sure to tighten securely) so that when the stop is in the resting position, the ratchet teeth are at the 9 & 3 o'clock position.
3. Repeat procedure if necessary, adjusting only one wrap at a time.

ADD TENSION BY WRAPPING THE CABLE CLOCKWISE USING THE PROCEDURE DESCRIBED.

DECREASE TENSION BY UNWRAPPING THE CABLE COUNTERCLOCKWISE USING THE PROCEDURE DESCRIBED.



USE EXTREME CAUTION AND ALWAYS MAKE SURE THE RATCHET STOP IS ENGAGED IN ONE OF THE RATCHETS WHEN WRAPPING CABLE.



Check cable termination condition frequently for any fraying or damage. Call factory or a Car-Mon representative for any replacement parts or repair.

DO NOT ATTEMPT TO OPEN UNIT TO MAKE ANY REPAIRS. THERE ARE NO USER SERVICEABLE PARTS INSIDE.

If you have any questions on this procedure, please call the factory at 847-695-9000, fax at 847-695-9078, or e-mail us at the address provided below.