

SIGN CONE RACK INSTALLATION AND OPERATION

SAFETY

- Wear proper PPE at all times working with the sign cone rack.
- At all times, keep fingers and toes clear of pinch points between the trucks bedside wall, bed floor and sign cone rack.
- A Truck Mounted Attenuator (crash cushion) shall shadow the sign cone rack vehicle at all times when installing *AND* removing traffic control devices.
- Spotter must keep eye contact and communicate with the driver.
- Requires a 3-person crew to load and unload sign cone rack.

Top Mounting Point



Crash Cushion Shadow Vehicle



INSTALLATION

- Always load and unload sign cone rack on stable ground, such as asphalt, concrete, or compacted stone.
- Ensure electrical cable connections between truck and sign cone rack is secured and lights are operating.
- Attach secondary retention devices (two nylon straps with hooks) from the attachments loops on the front side of the sign cone rack to the truck bed. *MANCON catalog number (#RN3407-131301).*
- Latch top tailgate pin and tailgate latch to the rack connection points.

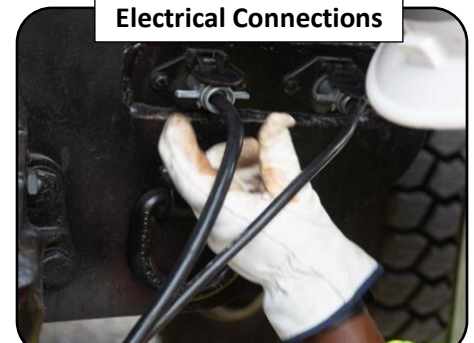
Bottom Mounting Point



Nylon Straps with Hooks



Electrical Connections



SIGN CONE RACK INSTALLATION AND OPERATION

Installing Traffic Control Devices



Positioning Device – Top Operator

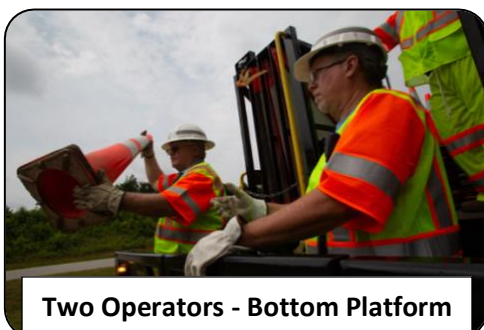


OPERATION

- Set up work zones in accordance with the Virginia Work Area Protection Manual.
- Activate amber flashing lights when using the sign cone rack to install and remove traffic control devices.
- Requires a 3-person crew on the sign cone rack to place and remove traffic control devices.
- The operator on the top level shall wear a positioning device when installing and removing traffic control devices. *MANCON catalog number (#FTC7090L / FTC8153).*
- The driver and operators working on the rear of the sign cone rack communicate by using two-way radios or hand signals.
- A Truck Mounted Attenuator (crash cushion) shall shadow the vehicle at all times when installing *AND* removing traffic control devices.

REMOVAL

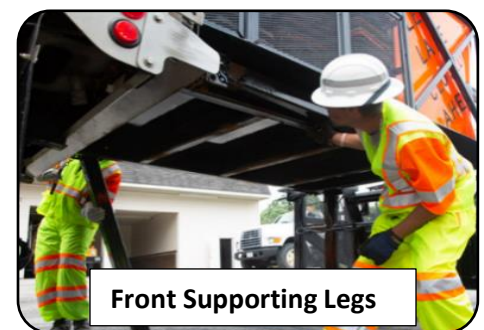
- A spotter is required during the sign cone rack installation and removal to the truck bed. Spotter must keep eye contact with the driver.
- Remove secondary retention devices.
- Remove electrical connections from the back of the truck.
- Remove the tailgate yoke pins (holding the top of the tailgate) and unlatch the lower tailgate latch.
- Deploy self-supporting raising legs on the rear of the sign cone rack.
- Driver will raise truck bed and slowly idle forward to allow sign cone rack to slide out of the bed.
- Unfold the front stabilizer legs on stable ground when the truck bed is in position.



Two Operators - Bottom Platform



Rear Supporting Legs



Front Supporting Legs