



# MOUNTING INSTRUCTIONS

## FOR ELS SYSTEM MODELS

25-A Shawnee Way • Bozeman, Montana 59715  
 (406) 586-9393 • Fax (406) 585-7378 • 800-805-8716 • www.bigskyracks.com

IT IS RECOMMENDED THAT TWO PEOPLE BE USED FOR INSTALLATION.  
 WIRING INSTRUCTIONS FOR LOCK AND TIMER ARE ENCLOSED ON SEPARATE INSTRUCTION SHEETS.

Do Not Mount In Side Curtain Airbag Zone

### ELS UCB INSTALLATION

#### FOR VEHICLES WITHOUT PARTITION ROLL BARS

#### PARTS FURNISHED:

- Telescoping mounting bar w/ mounting brackets
- Eight self-drilling metal screws
- One anchoring bolt w/ lock nut for locking telescoping bar

See 'Weapon Fitting Instructions' before proceeding.  
 (Back Side)

1. With weapon in rack hold rack flat against vehicle ceiling, positioning for desired barrel/butt side clearance. Be sure placement allows adequate headroom.
2. Mark vehicle ceiling with chalk (or similar brush off marker) along rear edge of gun rack (Fig. 1), then measure and mark a location 1 inch to the rear of the first mark (this is the center mark of the UCB when mounted). Set your gun and ELS rack aside. Remove the first mark. Hold up the UCB (Fig 2-A) centering it on the remaining mark, and extend it to each side of vehicle.

Note! The UCB outer tube is 34" the telescoping inner bar is 24". If the UCB is too wide for your vehicle you will need to shorten the UCB by cutting the proper amount from the large outer tube. Be sure to smooth the cut edges or the smaller tube will not slide in.

Note! Most vehicles have an inner steel headliner rail [2-D] on both sides, just above the windows or doors. While some rails are wider than others and some have holes to reduce weight, the UCB adjustable mounting plate [2-B] is designed to fit a wide variety of vehicles. The top slide plate [2-C] allows the UCB to be moved 2 1/2 inches in either direction from the center of the mounting bracket. This is helpful in vehicles that do not have solid metal in the desired location.

3. Center the top slide plates [2-C] on the mounting brackets [2-B]. Position mounting brackets at the ends of the UCB and mark screw holes on both sides of the vehicle. To verify the headliner rail in your vehicle, pull the headliner away in the area you have marked, and use a flashlight to view the structure of the rail. Make sure there is metal to securely screw the brackets in the position you have chosen. You will need at least two screws [2-E] in both top and bottom of each plate. You may need to reposition the bracket to avoid the holes in the rail.
4. Position the mounting brackets (with the tabs on the top slide plates pointing to the ceiling) over the holes marked and mount using the self drilling screws provided. Use at least two screws in top and bottom of each plate.
5. If optional UCB padding is used, slide it on the UCB bar now.
6. With the end tabs [2-F] on the bar pointing to the floor, attach the UCB by interlacing the end tabs on the bar and the tabs on the top slide plate using the 3/8" bolt and nut provided on both sides. If this positions the UCB too close to the ceiling you can rotate the bar so the end tabs point to the roof which will lower the UCB. Tighten the 3/8" bolt. Center the UCB on the mark you previously made on the ceiling (inst. #2) by sliding the top plates, making sure the UCB is straight across the cab of the vehicle. Tighten the two nuts on each of the top slide plates [2-C].
7. Proceed to ELS UCB/RB MOUNTING instructions (included with your ELS gun rack).
8. After mounting ELS model rack drill a single 5/16" hole where it will go through the inner and outer bars. Put the anchoring bolt through and tighten the nut. This helps prevent bar compression in the event of an accident.

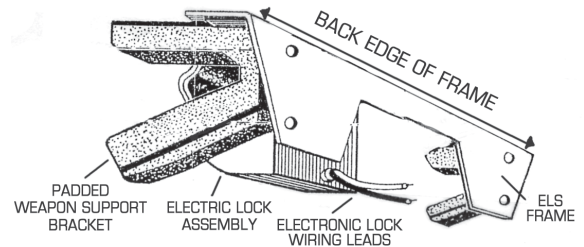


Figure 1

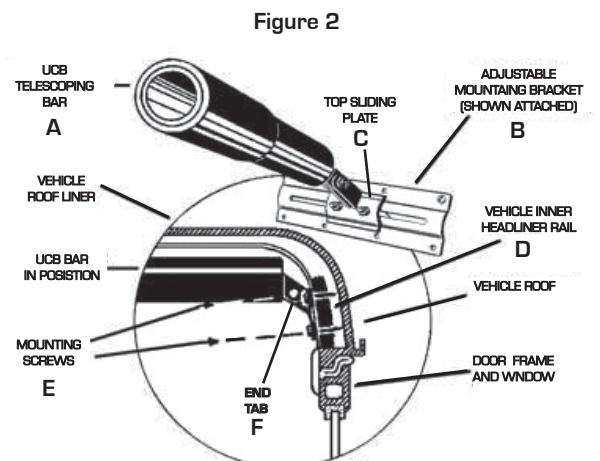


Figure 2



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### WEAPON FITTING INSTRUCTIONS

Before installing the ELS into the vehicle you must make sure that the **weapon is held securely** in the gun rack:

1. Put the weapon in the rack, make sure the lock is holding it tightly and the padded brackets, guard and lockhead are in correct alignment to allow as little movement of the weapon as possible.
2. Adjustable locks have a plate in the bottom that can be raised by turning two allen screws. This will tighten the plate against the weapon. An allen wrench is provided to make this adjustment.
3. If additional adjustments to the rack are necessary, loosen the corresponding nuts and bolts, re-align and retighten.

You are now ready to put the ELS into the vehicle.

**Note: All persons should check their weapon whenever it is inserted into the rack and at the beginning of each shift, to make sure the lock gate is in fact locked, and not just closed with the spring loaded hinge.**

### OPERATION OF ELS LOCK

**SEE SEPARATE INSTRUCTIONS ENCLOSED FOR WIRING OF LOCK AND TIMER**

#### ELECTRICAL OPERATION:

With NO weapon in unit, lock will click when switch is activated. With weapon IN unit click MAY NOT be heard when switch is activated. Apply pressure against lock with thumb or hand until click is heard - disengaging lock - remove weapon.

When returning weapon to rack, close latch and make sure the unit is completely locked.

**Note: Repeated activation of lock solenoid can cause overheating, which requires that the unit be allowed to cool for proper function.**

#### MANUAL OPERATION:

In the event of any vehicle power failure preventing electrical operation of unit, FULLY insert your key in the keyhole and while pressing on latch, turn key. Open latch and remove weapon. To relock, turn and remove key, insert weapon and close latch. Make sure the unit is completely locked.