



# 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.

## 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.
3. If additional adjustments to the rack are necessary, loosen the corresponding nuts and bolts, realign and retighten.

You are now ready to put the ELS Rack 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.

## ELS UCB/RB MOUNTING

### FOR UCB OR PRE-EXISTING PARTITION ROLL BARS

#### PARTS FURNISHED WITH ELS SYSTEM:

- One ELS Rack System (as determined by order)
- Two U-Bolt/Saddle clamps w/lock nuts

See 'Weapon Fitting Instructions' before proceeding.

1. With weapon in rack, hold rack up to UCB or partition roll bar and mark the desired location for the U-Bolts. If bar is padded, cut slits in padding to allow U-bolt/saddle full contact around bar.
2. Remove weapon, reposition rack, install U-bolts/saddles (RB) by placing U-bolts around bar from the backside. Place saddles over protruding end of U-bolts on the front of the bar.
3. Attach ELS rack by aligning holes in the frame with the protruding U-bolt ends. The saddles should be between your bar and the ELS frame. See fig. 3-A. Attach lock nuts.
4. Pivot rack to desired height and tighten lock nuts.
5. With weapon in rack take normal seating position and check mounting for desired head clearance.

**Note:** For finishing you may glue the padding around the RB mounts.

Figure 3-A

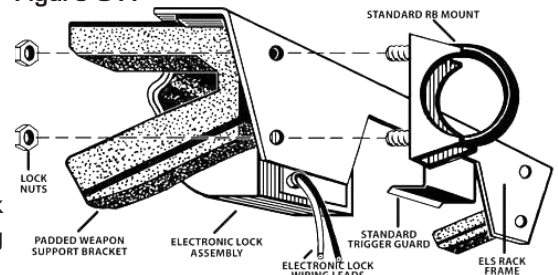


Figure 3-B

## ELS FP MOUNTING

### FOR PARTITIONS WITH A FLAT PLATE STEEL FRAMEWORK, WIRE MESH SCREENS OR VERTICAL PANELS

#### PARTS FURNISHED:

- Two pre-drilled, flat mounting plates
- Four 5/16" x 1" bolts w/lock nuts

See 'Weapon Fitting Instructions' before proceeding.

1. With weapon in rack hold rack as high as possible on partition, checking clearance of your weapon.
2. Mark position of ELS frame on partition.
3. Remove weapon from ELS rack.
4. Reposition ELS rack and mark holes to be drilled.
5. Set ELS rack aside and drill 3/8" holes. (not necessary on wire mesh screen).
6. Reposition rack. Install flat plates on back side of partition, insert mounting bolts through flat plates, partition and ELS rack frame. Place and tighten lock nuts.
7. Put weapon in ELS rack, take normal seating position and check mounting for desired weapon access.

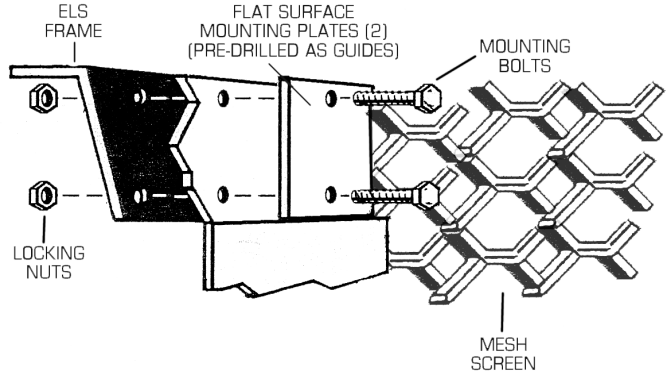


Figure 4

## ELS SB MOUNTING

### FOR CAGES/PARTITIONS WITH SHELF-STYLE UPPER FRAMES

#### PARTS FURNISHED:

- Four pre-drilled, right angle mounting plates
- Six 5/16" x 1" bolts w/lock nuts

See 'Weapon Fitting Instructions' before proceeding.

1. Attach pre-drilled right angle plates to ELS frame using slotted holes and adjust for thickness of shelf-style partition frame. See Figure 5-A.
2. With weapon in rack, position on shelf partition and mark holes for mounting plates. Remove rack and drill 3/8" holes in partition frame. See figure 5-B.
3. Reposition rack, insert mounting bolts and tighten lock nuts.

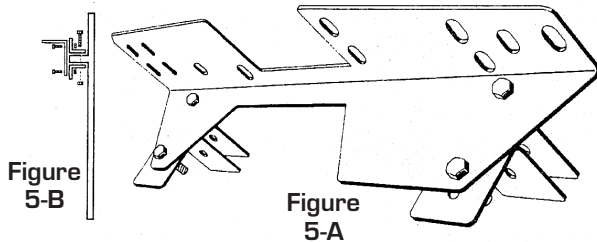


Figure 5-B

Figure 5-A

## ELS VMB MOUNTING

### VERTICAL MOUNTING ON EXISTING CAGES/FLAT SURFACES

#### PARTS FURNISHED:

- One set vertical mounting brackets (two sizes)
- Two pre-drilled, flat mounting plates
- Eight 5/16" x 1" bolts w/lock nuts

See 'Weapon Fitting Instructions' before proceeding.

1. Attach pre-drilled brackets to ELS frame-large bracket to top (6-A).
2. With weapon in rack, position vertically on partition wall and mark holes to be drilled. See Figure 6-B.
3. Remove rack and VMB from partition. Drill 3/8" holes through partition wall. Position flat plates on back side of partition and reposition VMB with rack attached. Insert bolts from back side and tighten mounting bolts and lock nuts.

Figure 6-A

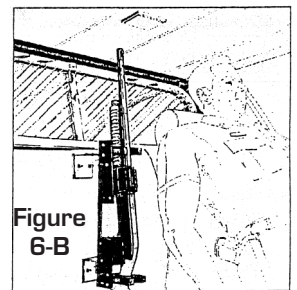
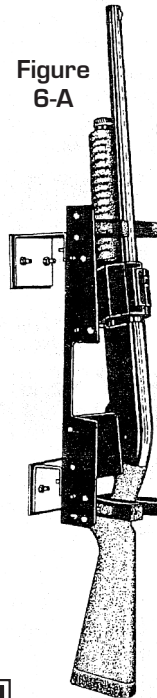


Figure 6-B

## 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.