

FRESNO COUNTY SHERIFF'S DEPARTMENT

2007 PATROL VEHICLE UP-FITTER'S GUIDE



**COUNTY OF FRESNO
PURCHASING DEPARTMENT**

(559) 445-7110



FRESNO COUNTY SHERIFF'S DEPARTMENT FLEET SERVICES UP-FITTER'S GUIDE 2007



THIS BOOKLET IS AN ATTACHMENT TO THE 2007 PATROL VEHICLE ORDER. THE AWARDED VENDOR AND THEIR UP-FITTER WILL MEET WITH THE SHERIFF'S FLEET MANAGER WITHIN 30 DAYS OF THE CONTRACT BEING AWARDED. AT THIS PRE-CONSTRUCTION MEETING AND PRIOR TO BUILDING VEHICLES FOR THE FRESNO SHERIFF'S DEPARTMENT, INFORMATION CONTAINED IN THE BOOKLET WILL BE CONFIRMED.



FRESNO SHERIFF DECALS 2007

DOOR BADGE

SHERIFF

SERVING YOU SINCE 1856

- On the rear quarter panels, ½" above the gold stripe

- The badge lays over the stripe with the two upper horizontal round badge ends just above the gold stripe (which is above the green)

- Centered above the right wheel well, ½" above the gold stripe



911 PHONE INFO

- EMERGENCY is just above double fender line
- CALL 9-1-1 is just below the double fender line

GREEN & GOLD STRIPE

- The rear area of the stripe has the bottom of the stripe running along the upper fender line with no gaps
- The front area stripe is centered on the front right turn signal
- Stripe ends are rolled under the tail & head light. So light housings must be removed to place striping under them.

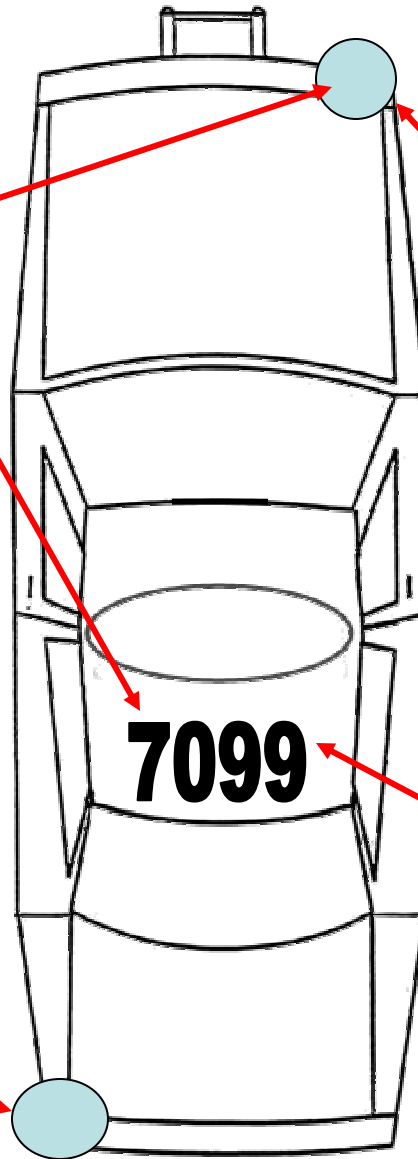
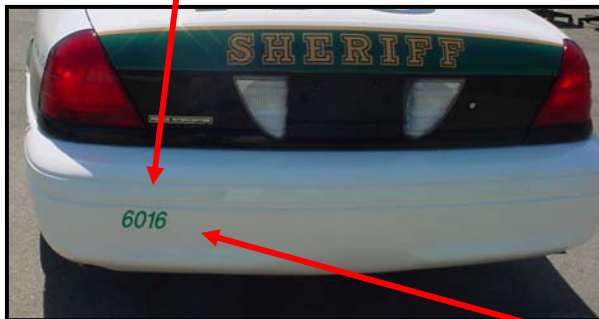
FRESNO SHERIFF DECAL CLOSE-UPS 2007



FRESNO SHERIFF UNIT NUMBER DECALS 2007

UNIT NUMBERS

- Front bumper numbers on right front
- Roof numbers are centered on roof behind light bar / 18" X 8"
- Rear bumper numbers on left rear

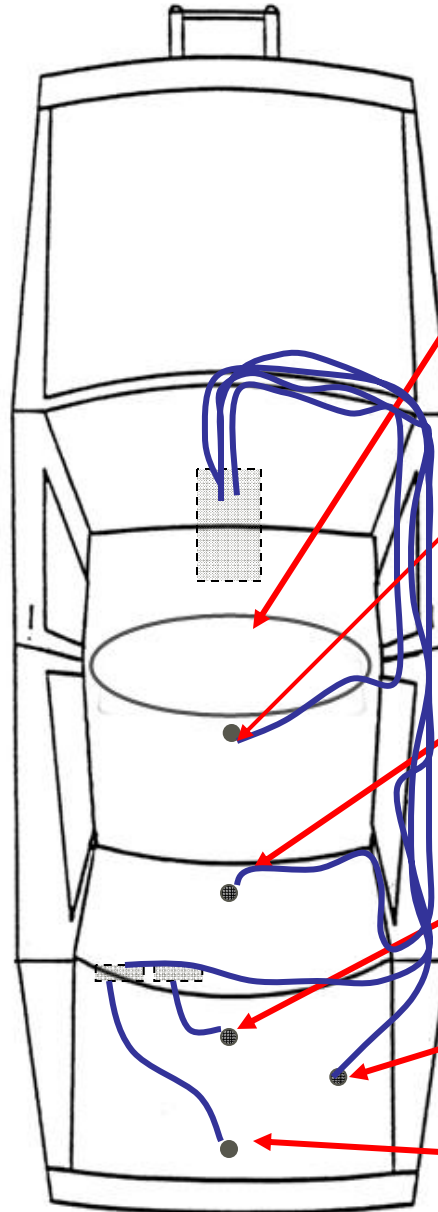
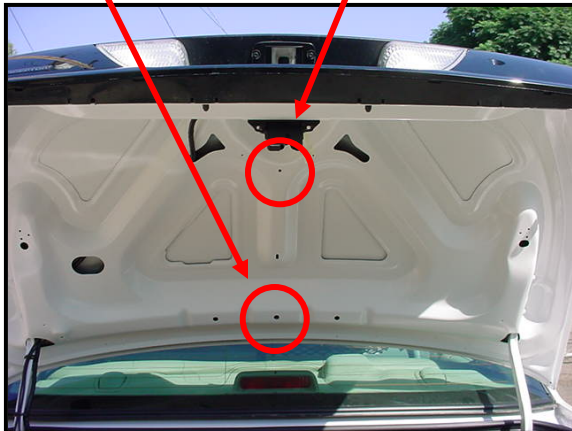


FRESNO SHERIFF ANTENNA PLACEMENT 2007



Trunk Antenna Placement

Place antennas at factory holes in center support as shown



Light Bar Placement / Cable

Centered on "B" pillar of vehicle

Cable into roof with rubber gromit and run down "B" pillar, along side, under dash then to console

800 mhz Computer Antenna

Centered on roof behind light bar (yet able to place roof numbers without interference)

Cable run down "B" pillar

K-9 Hot-Dog Pager Antenna

Centered on rear window approximately 2" down, clearing all other antennas inside window (FOR K-9 CARS ONLY)

Cable run down "C" pillar

UHF Antenna

Centered on trunk, at factory hole as shown

K-9 Door Pop Antenna

12" down from front of lid on right side (FOR K-9 CARS ONLY)

VHF Antenna

Centered on trunk, at factory hole as shown

FRESNO SHERIFF PUSH BUMPER 2007



PUSH BUMPER

- Push bumper shall be attached to appropriate frame locations and not vehicle bumper
- No cutting into vehicle bumper



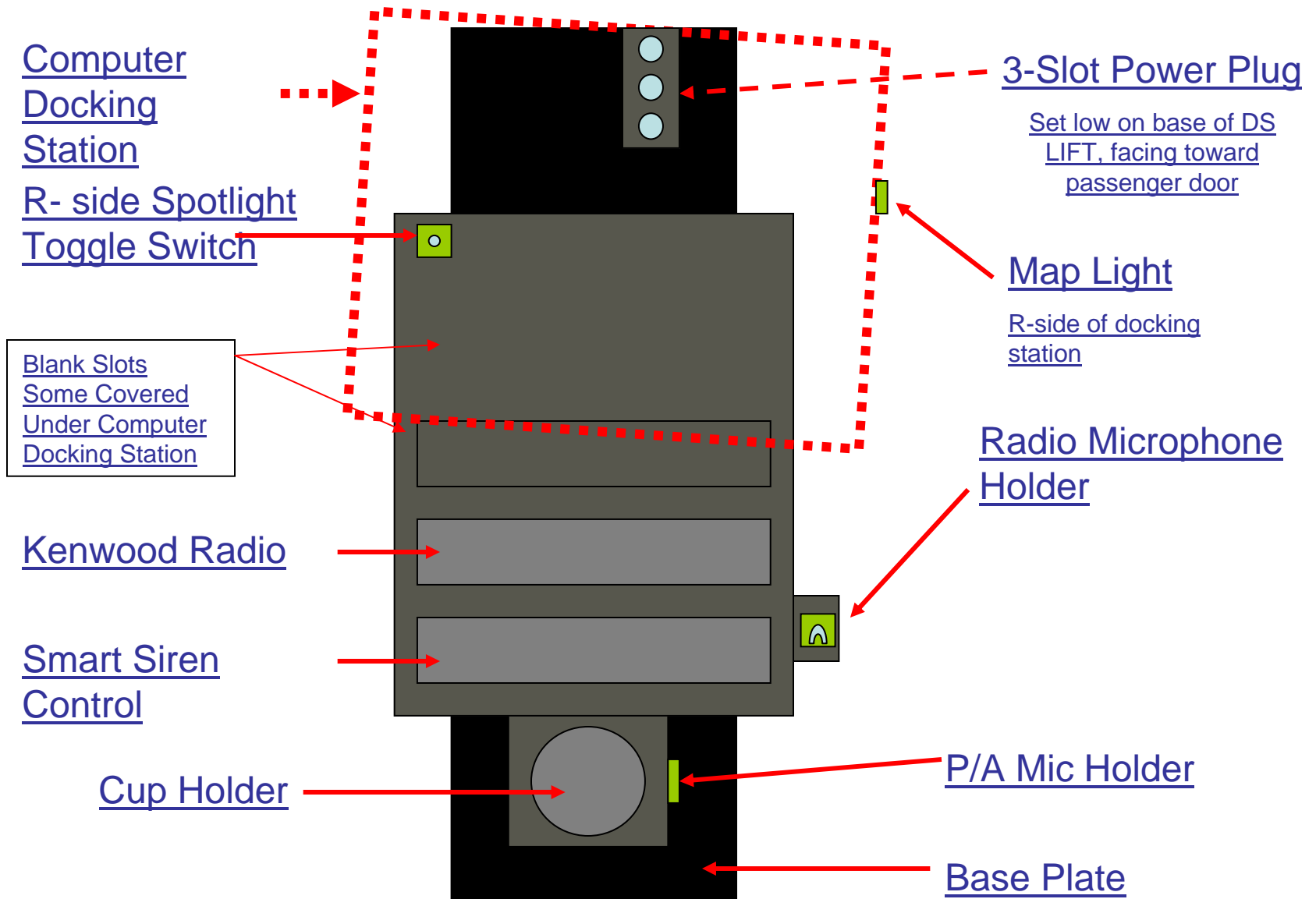
FRESNO SHERIFF BATTERY SHUT-OFF 2007

BATTERY OVER-RIDE

- Battery Brain over-ride shall be placed on or near the location of the vehicle's battery with re-set button
- Battery Brain will prevent complete drain of battery



FRESNO SHERIFF CONSOLE SETUP 2007



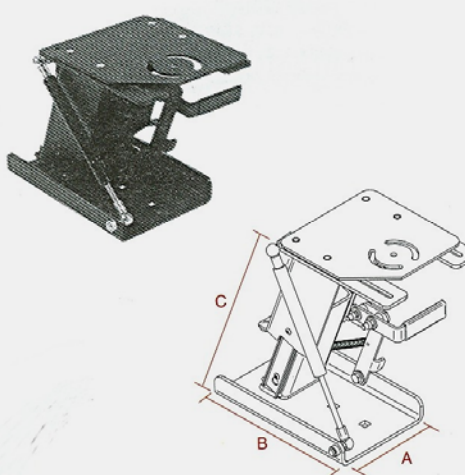
FRESNO SHERIFF CONSOLE OVER-VIEW 2007



Troy Console
&
DS-LIFT



FRESNO SHERIFF COMPUTER MOUNT 2007



Placement Any MCS Top Plate or any Vehicle Base without a welded pole

Construction/Finish Heavy gauge steel/Black powdercoat

Height adjustable Yes - 7.38" or 11.12"

Weight 10.52 lbs.

Dimensions
a = 6"
b = 10"
c = 7.38" or 11.12"

Misc.

- Two positions:
- Down low when not in use
- Up position for easy access
- Simple pull handle activates lift upward
- Gas spring aids user by slowly raising unit up
- Drawer slides provide smooth lifting action
- 4" sliding plate brings the computer closer to the user
- Airbag compliant when unit is installed correctly and in the low position
- Can be used with any Gamber-Johnson motion attachment/laptop mount combination
- Is not compatible with DS-52, DS-53, DS-56, DS-57, DS-59, DS-60, DS-100, DS-CHEROKEE2 or MO-1000

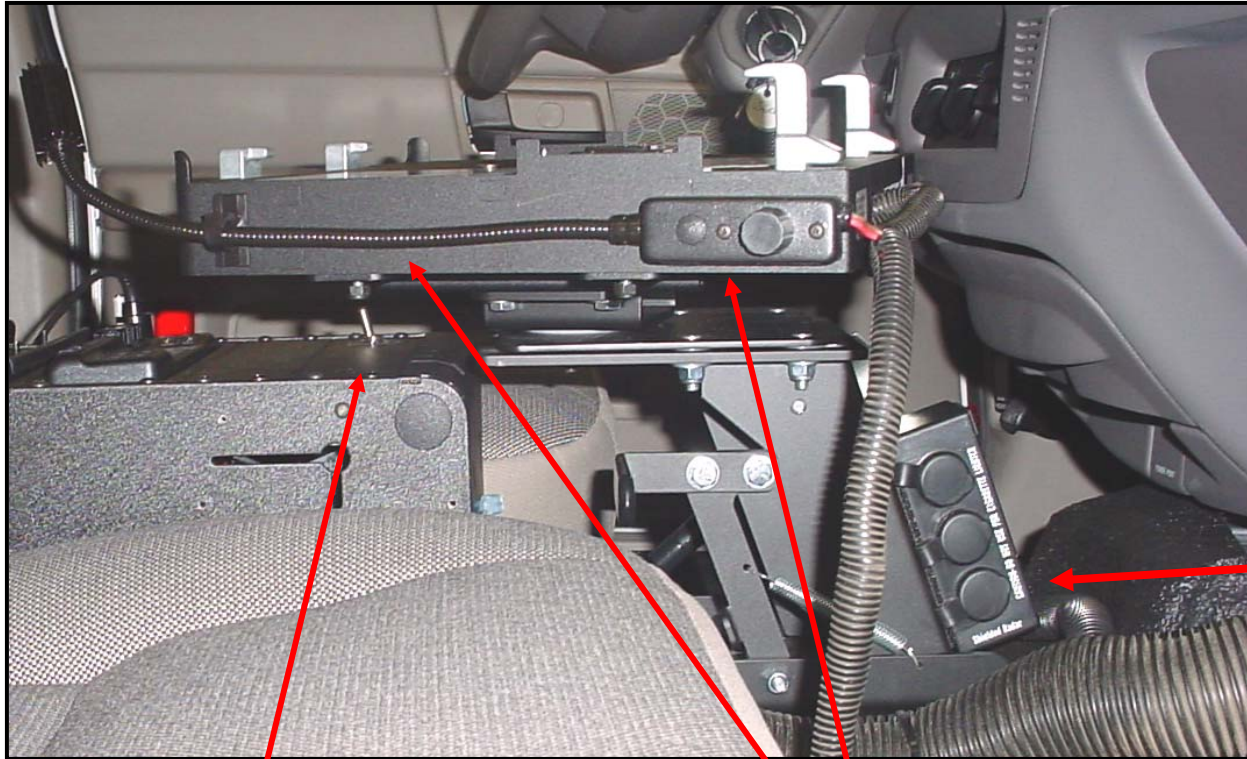
Item No. **DS-LIFT**



PLACEMENT

- DS-LIFT is approximately $\frac{3}{4}$ " back from the front of the mounting base plate

FRESNO SHERIFF CONSOLE EQUIPMENT CONTINUED 2007



THREE SLOT POWER PLUG

- Power plug is attached to the computer mount in the front with the slots facing the passenger

RIGHT SPOTLIGHT SWITCH

- Computer mount in lower position will clear the toggle switch

MAP LIGHT

- Map light is mounted on right side of the computer mount

FRESNO SHERIFF CONSOLE EQUIPMENT 2007

TROY CONSOLE NOTES

- Computer in low driving position
- Computer in high position for use
- Cup holder at rear of console, yet able to clear the gun while in the gun rack
- Microphone is low right of console



FRESNO SHERIFF INSIDE GUN LOCKS 2007

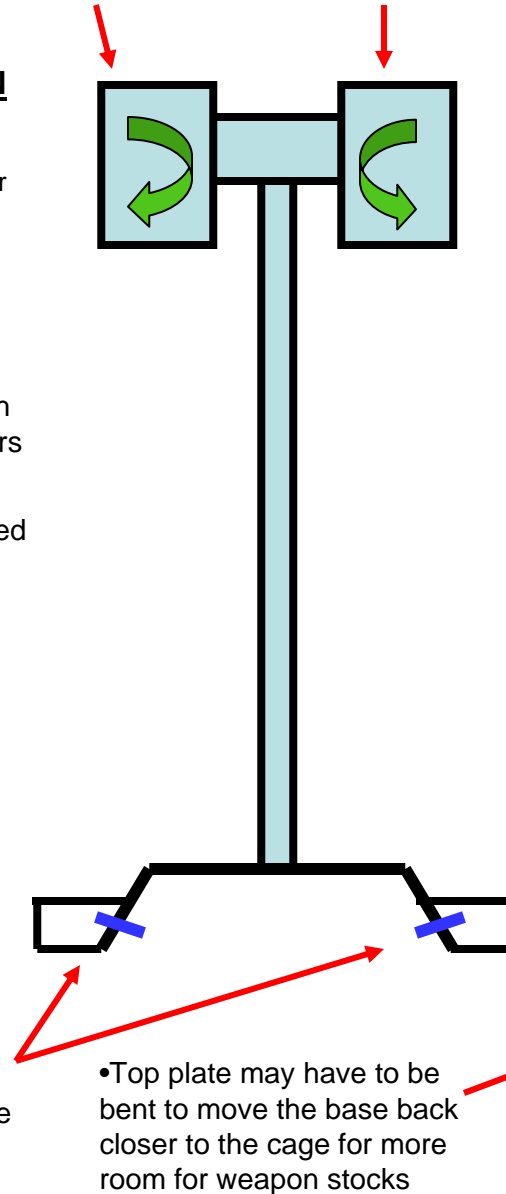
AR-15 SHOTGUN

AR-15 & 870 SHOTGUN

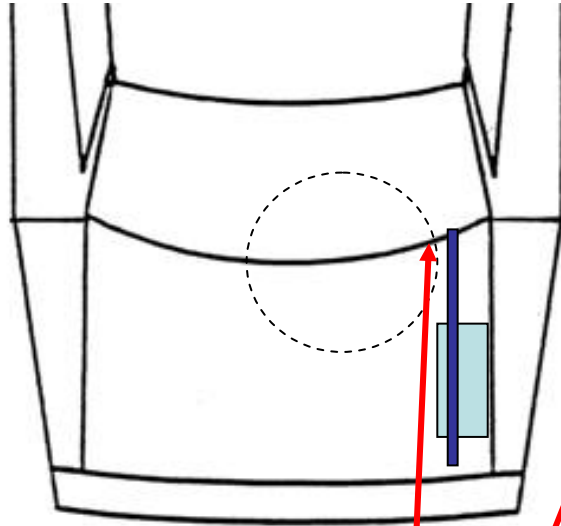
- Shotgun nearest the driver
- AR-15 nearest the passenger

LOCKS OPEN OUTWARD

- Locks open away from each other to ensure the lock doors do not cover each other
- Locks may have to be angled for proper fit
- Zip-ties on center bar to secure wires
- Long gun barrels will angle toward each other due to transmission hump
- Timers have 9-12 second delay
- Locks in passenger compartment are powered only when key is in the on position at the ignition
- Boot's bolts run from inside to outside with bolt nut inside boot. Trim bolts



FRESNO SHERIFF TRUNK SHOTGUN LOCK 2007

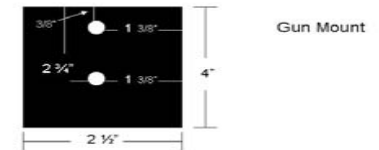


TRUNK SHOTGUN LOCK

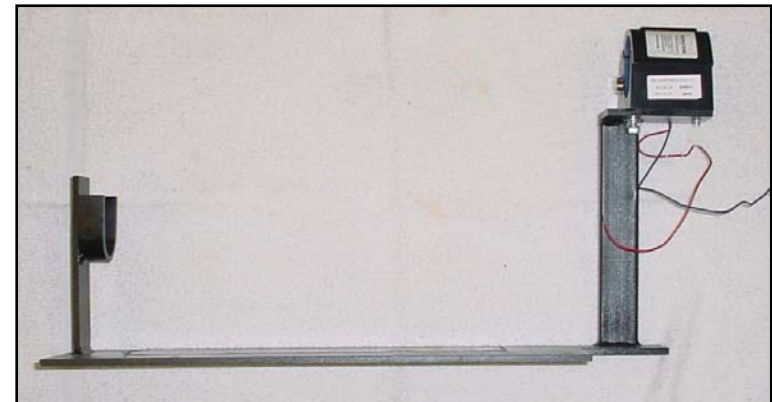
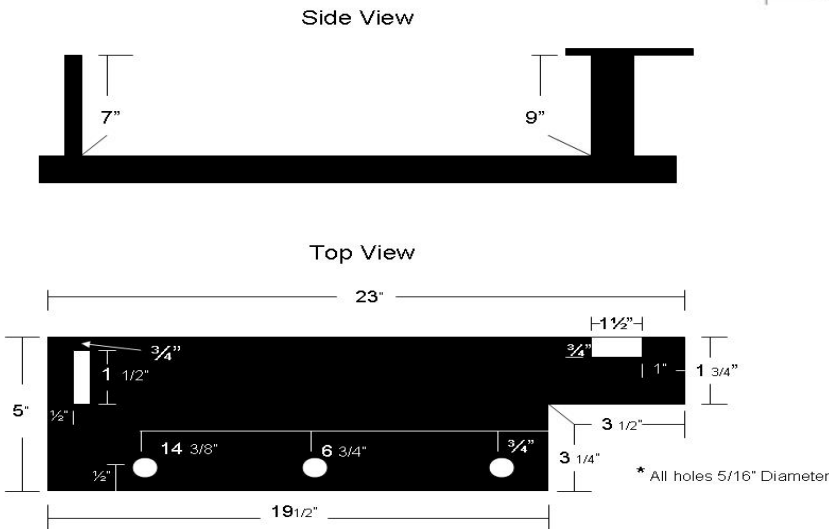
- Hidden button is always “HOT” so the deputy can take the weapon out even if the key is not in the ignition
- Button is located under the lip of the trunk on the right side and faces forward.
- Use 5/16” bolts with fender washers and Nylock nuts
- Rack is located on the right side of trunk with the shotgun facing forward



FRESNO SHERIFF TRUNK SHOTGUN MOUNT 2007



NOTE: The mount will be made of heavy gauge steel and painted black. If needed an example trunk mount can be shipped to the up-fitter. The example mount will then be returned to the Fresno Sheriff's Fleet Services after a copy is made. All shipping cost will be the responsibility of the vendor and not at the expense of the Fresno Sheriff's Department

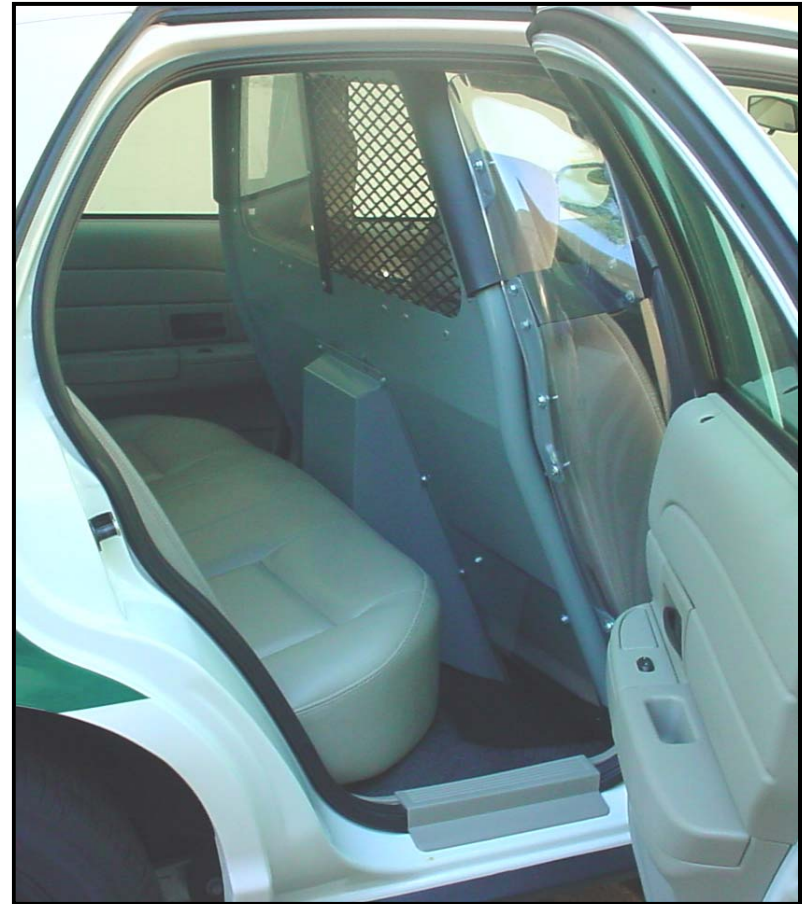


FRESNO SHERIFF PRISONER PARTITION 2007



PRISONER PARTITION

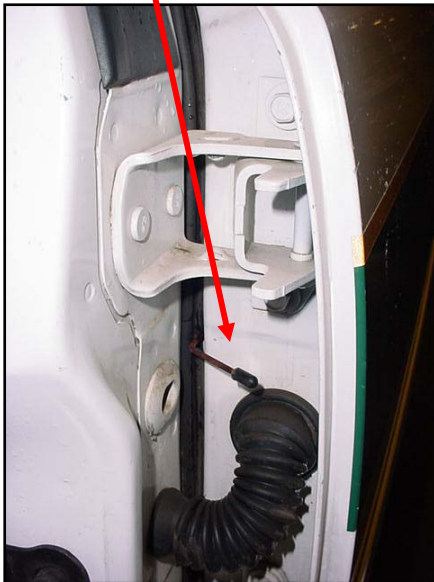
- Mounted so side plastic fillers are smooth and do not interfere with doors
- Plastic behind driver and mesh screen behind passenger
- Must have center set-backs for gun locks between driver and passenger



FRESNO SHERIFF REAR DOOR LOCKS & WINDOWS 2007

TIE OFF AND DISCONNECT

- Remove and tie off lock rods so door locks can be re-used
- Disconnect the Ford rear window wiring [so windows cannot be used from the rear, however the officers in the front can lower the rear windows]
- Emergency manual unlock rods



FRESNO SHERIFF REMOTE ALARM SYSTEM 2007

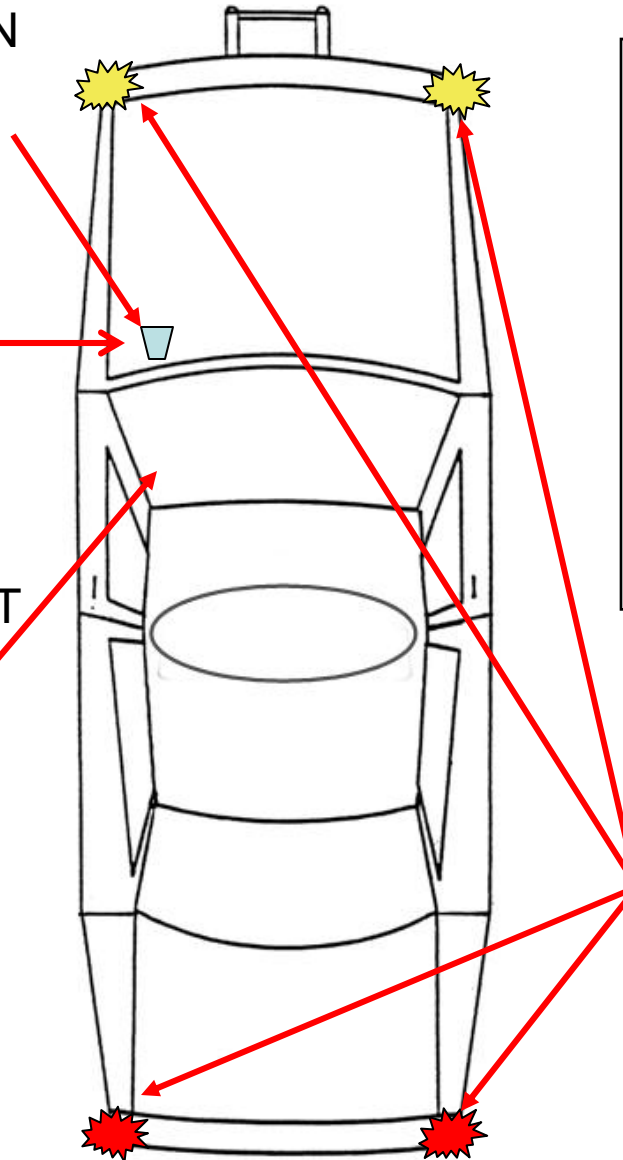
SEPARATE ALARM SIREN

Car Alarm Siren is separate from vehicle horn



ALARM INDICATOR LIGHT

Indicator light is located left of the steering wheel on the dash



REMOTE CAR ALARM

- Two (2) Remotes
- Will not lock doors when vehicle is running
- Will not sound / only blink running lights when arming and disarming

REMOTE CAR ALARM

Running Lights Blink Only

FRESNO SHERIFF BASIC WIRING DIAGRAM 2007

Siren Speaker

Centered behind grill

Head Light Flasher

Located on right side of engine compartment

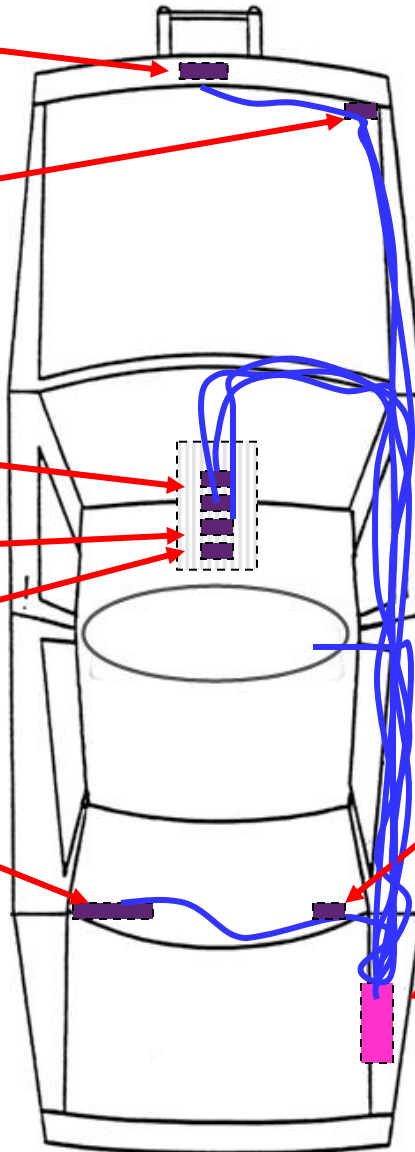
Gun Lock Timers (2)

Park-Kill Module

Main System Timer

Strobe Box

Left side of trunk under deck



NOTE: This does not include wiring to controlled items and this diagram is a general layout only. Wires such as grounds or power are not shown. However, the location of the listed components shall be placed in locations shown. Other requirements:

- Insulated/Crimp connectors, sized to wire
- No black electrical tape as connectors
- No exposed wires in passenger compartment (use wire looms)
- No Scotch-lock connectors
- Slack in wire enough for repairs (example: enough so control heads can be lifted out of the console and laid next to it without disconnecting wires)

Gun Lock Timer (1)

Right side of trunk near Smart Siren box

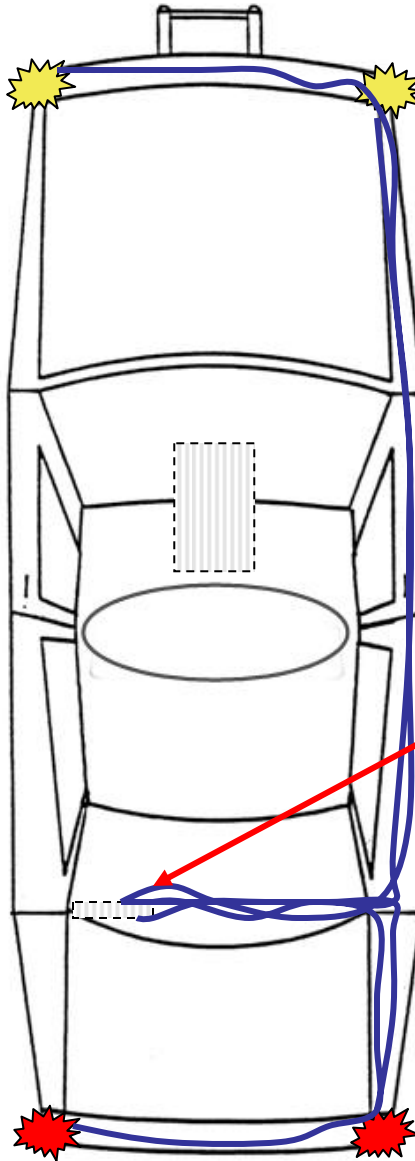
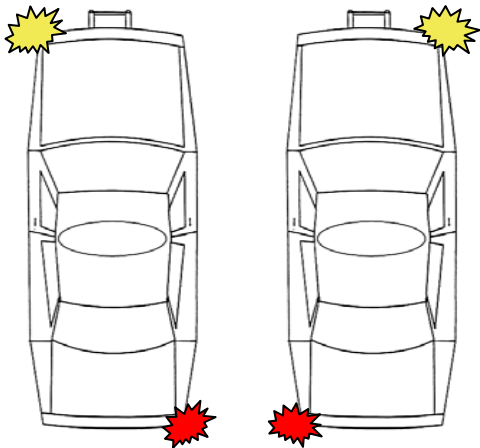
SMART SIREN BOX

- Controls the following devices
 - Light bar
 - Headlight wig-wags
 - Gun locks passenger compartment
 - Main System Timer
 - Strobe Box
 - Gun Locks in trunk

FRESNO SHERIFF STROBE WIRING 2007

STROBE PATTERN

- The strobes should be set with alternating pattern
- Strobes flash three times fast before alternating to opposite sides when looking from front or rear



STROBE BOX

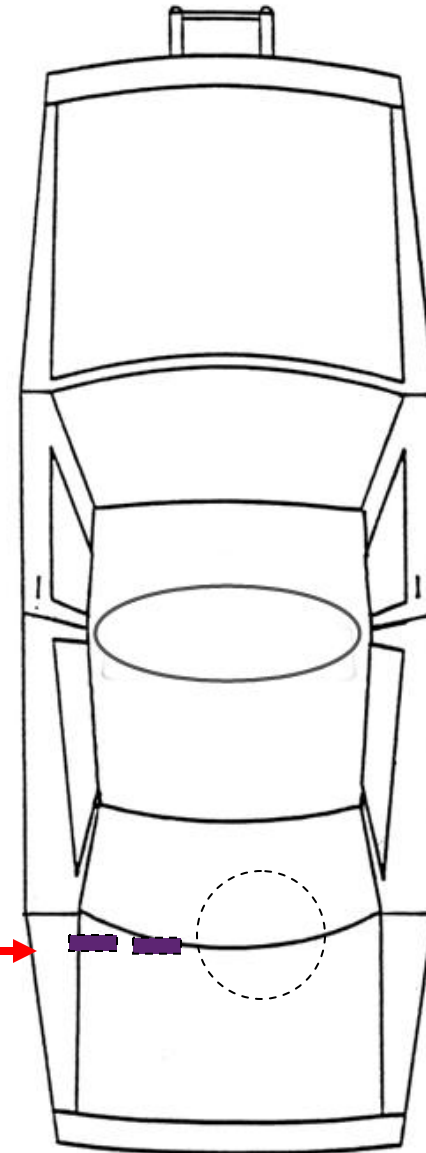
- Wires should run down the right side of vehicle into strobe box
- Federal Smart Siren and strobe system
- Use a four head power strobe box and it shall be placed behind rear seat on driver's side as shown. Not behind spare tire.

FRESNO SHERIFF RADIOS TRUNK MOUNT 2007



RADIO PLACEMENT IN TRUNK

- The two Kenwood Dual Band radios will be placed left of the spare tire on the trunk deck so the spare tire can be placed correctly for use
- They shall be secured to the deck so they do not slide or move about
- A platform will be placed under the radios so radios are not placed directly onto the car's deck



FRESNO SHERIFF INFORMATION 2007

ADDITIONAL EQUIPMENT OR
PLACEMENT FOR K-9 CARS ON
THE FOLLOWING PAGES

FRESNO SHERIFF K-9 DECALS 2007



K-9 DECALS / WINDOWS

- Rear windows are 5% tint
- The letter/number "K-9" on trunk (20" X 9")
- Drawing of a dog head in black above "K-9" (7" X 7")*
- The letters/numbers "K-9" on lower roof support behind passenger compartment
- The word, "CAUTION" is in reflective red just below rear doors*



* Only on K-9 Units

FRESNO SHERIFF K-9 CONSOLE ADDED EQUIPMENT 2007

K-9 CONSOLE NOTES

- Fan Controller
- Spacers will need to be added to the computer mount base so while in the low driving position, the computer tray will not strike door pop controller.
- Cup holder must be moved to the right side rear of the console so the climate control can be added
- Climate Control and Door Pop is attached at rear of Troy console closest to the driver

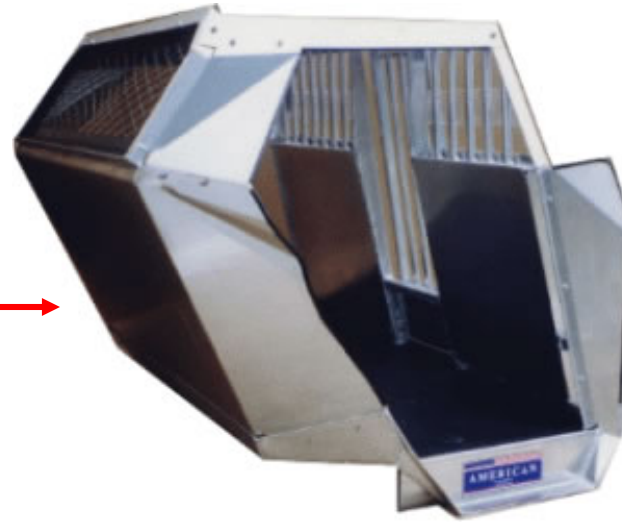


FRESNO SHERIFF K-9 CONSOLE ADDED EQUIPMENT 2007

K-9 ADDITIONAL EQUIPMENT

- American Aluminum E/Z K-9 Container
- Ray Allen Bail Out & Hot Dog
- Ray Allen Savvy Fan

** Only on K-9 Units*



FRESNO SHERIFF INFORMATION 2007

LIGHT EQUIPMENT FOR CIVIL
UNIT VEHICLES

FRESNO SHERIFF CIVIL UNIT EMERGENCY LIGHTS 2007

DETECTIVE LIGHTING CONTROLLER

- Smaller controller Federal PA640

** Only on Civil Unit Vehicles*



FRONT & REAR LIGHTS

- Front LED lights have Red & Blue
- Rear Deck lights have Amber & Blue

** Only on Civil Unit Vehicles*

