

# SUTPHEN CORPORATION

## SALES TECHNICAL BULLETIN

### CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

#### OVERVIEW

In an effort to continually improve our chassis, Sutphen has designed new overhead and lower command consoles for inside the cab. These new command consoles will be standard on the Sutphen chassis.

The overhead console provides seven (7) individual panels for controls, indicators, and recessing of radios and other accessories. This overhead console provides more room for these components than the previous design, without sacrificing driver and officer visibility.

The lower console provides a dash area that is ergonomically designed to provide the driver and officer easy access to various controls. This console has a lower profile height than the previous “switch pod”. It is designed to be able to recess radios, traffic advisor controllers, etc. that were previously mounted on top of the switch pod, reducing driver visibility. The console also puts switches much closer to the driver and officer, making the labels easier to read as well. The close proximity of the switch panel to the officer allows for control of air horns, Q2B siren etc., that previously required foot switches for easy reach. This also keeps the officer back in the seat and not blocking the driver’s view of the mirror. The configurator will allow you to still select whichever type of air horn/Q2B siren controls your customer prefers, but rocker switches on the dash are recommended, especially in cold, snowy climates where foot switches do not hold up well.

The last SQS update (37A dated March 1, 2013), included all of the options/verbiage for these new command consoles:

- #30010120 – INSTRUMENTATION, BEEDE GAUGE W/CENTER & OVERHEAD CONSOLE (\$599.82) – **Option is for pumpers or non-aerial chassis only.**
- #30010220 – INSTRUMENTATION, BEEDE GAUGES, FOR MULTIPLEX W/CENTER & OVERHEAD CONSOLE (\$599.82) – **Option is for pumpers or non-aerial chassis only.**
- #30010125 – INSTRUMENTATION, BEEDE GAUGES W/CENTER & OVERHEAD CONSOLE (\$599.82) – **Option is for aerials or aerial chassis only.**
- #30010225 – INSTRUMENTATION, BEEDE GAUGES, FOR MULTIPLEX W/CENTER & OVERHEAD CONSOLE (\$599.82) – **Option is for aerials or aerial chassis only.**

These command console options will most likely be separated from the Instrumentation/Beede gauges in the configurator.

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## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

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### OVERVIEW

The following pages outline the standard configuration of the overhead and lower consoles for a **standard point-to-point wiring configuration**, including some guidelines and layout images of each console and even each panel. The last few pages include photos of some recently delivered apparatus with the new consoles configured to customer requests. In the future we will be releasing a Sales Technical Bulletin for the multiplexed version of the cab command consoles.

Thank you for bearing with us as we fine tuned these consoles over the past several months. We appreciate all of the feedback on the initial designs. Your assistance has gotten us to this design, which has been very well received.

***As always, if you have any questions, please contact your designated Sales Application Engineer.***

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### CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

#### OVERHEAD COMMAND CONSOLE

##### STANDARD LAYOUT OVERVIEW DESCRIPTION

**Position #1 (above driver):** This 9-space switch panel will have all of the warning light and scene light switches. Due to space constraints, there will only be a Master Emergency warning light switch. This switch will turn on and off all main warning lights. There will NOT be separate switches for cab light bar, cab warning, body warning, beacons, etc. , unless requested by the customer. There will be separate switches (as long as space permits) for alternating headlights, Opticom, Roto-Ray, etc. that a user would desire to control independently (or need to shed the white portion of these functions in fog).

**Position #2 (above driver):** This panel will be blank, unless otherwise specified. This will be the standard location if a stereo is selected, unless otherwise directed to locate it in a different panel.

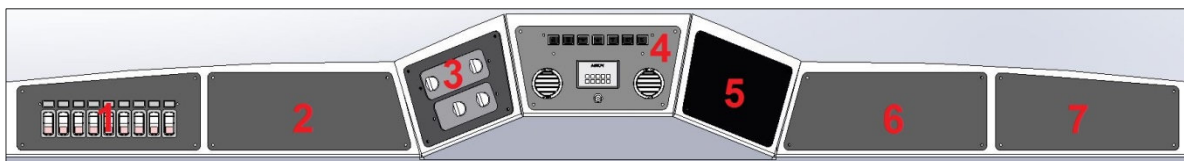
**Position #3 (above driver):** This panel will be designated for defroster, heat & A/C controls and cannot be changed.

**Position #4 (center):** This panel will be designated for the individual cab door/body door/misc. items ajar indicators. It will also be the standard location for the seat belt indicator display (Akron or FRC) unless otherwise directed to locate it in a different panel. If lanyards are selected to control the air horns, they will be connected to this panel.

**Position #5 (above officer):** This panel will be blank, unless otherwise specified. This panel is much smaller than the others and doesn't provide much depth behind it for recessing of items. Please consult your SAE or project engineer before committing to recessed items in this panel.

**Position #6 (above officer):** This panel will be blank, unless otherwise specified.

**Position #7 (above officer):** This panel will be blank, unless otherwise specified. This panel has limited depth (approx. 5") behind it due to wiring. There is not room to recess a standard stereo nor most mobile radios. Please consult your SAE or project engineer before committing to recessed items in this panel.



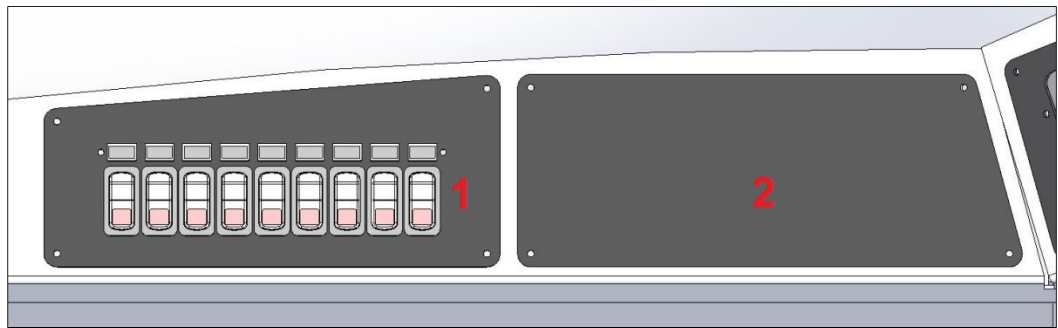
# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### OVERHEAD COMMAND CONSOLE

#### STANDARD LAYOUT

Positions #1 & 2 Above Driver:



Position #1 Switches will be (left to right):

1. Master Emergency
2. Hose Bed Spot Lights
3. Seven (7) blank plugs

Position #2 will be blank unless otherwise specified.

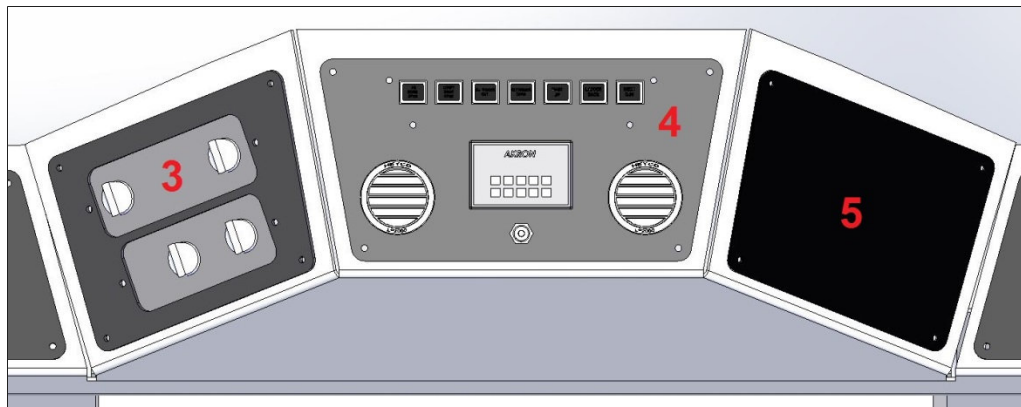
# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### OVERHEAD COMMAND CONSOLE

#### STANDARD LAYOUT

Positions #3, 4 & 5 (Center):



Position #3 will be heater & A/C controls (if selected).

Position #4 will be cab/body door/accessory items ajar indicators, the Akron or FRC seat belt monitor display, and lanyard air horn control connection point (if selected).

Position #5 will be blank unless otherwise specified.

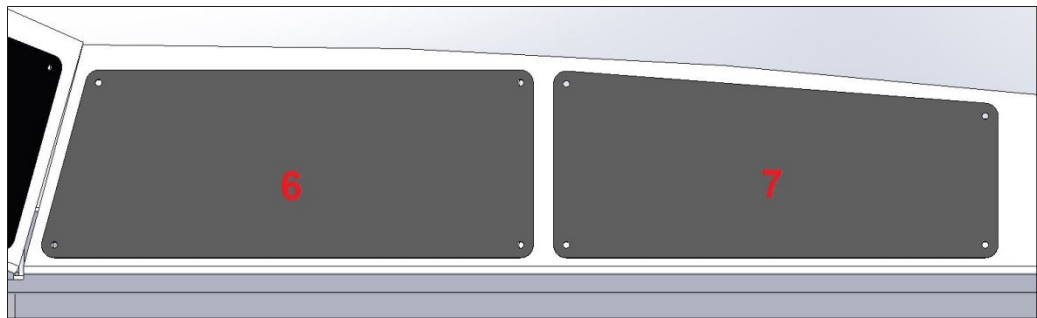
# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### OVERHEAD COMMAND CONSOLE

#### STANDARD LAYOUT

Positions #6 & 7 Above Officer:



Positions #6 & 7 will be blank unless otherwise specified.

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## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE

#### STANDARD LAYOUT

**Position #MA (small panel near driver):** This panel will be dedicated to the remote mirror adjustment knob and the mirror heat switch (if selected).

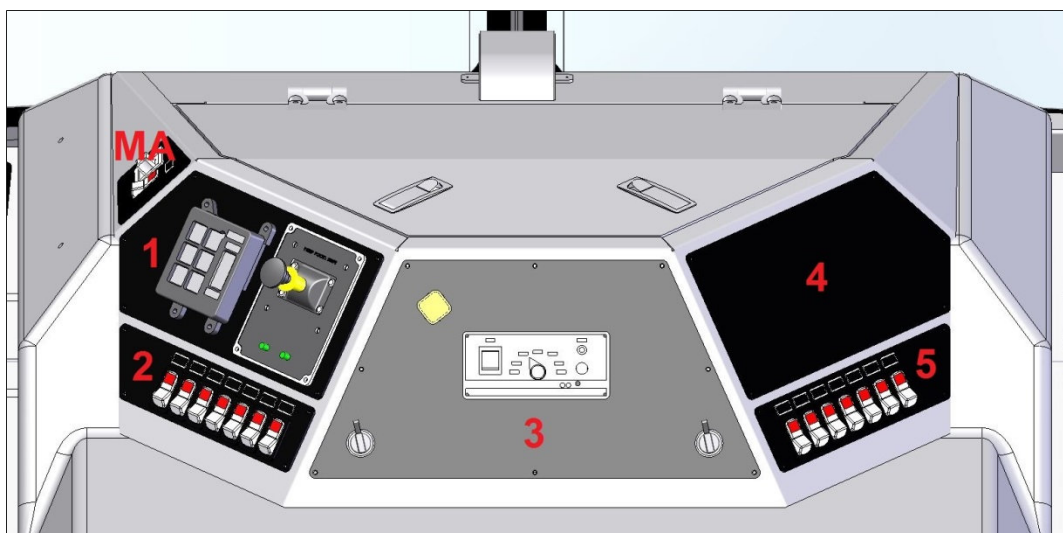
**Position #1 (near driver):** This panel will be dedicated to the transmission touch pad shifter and the pump shift lever. If a chassis lube system is selected, the indicator light will be installed to the left of the transmission shifter. If the apparatus does not have a pump, this panel will have the transmission touch pad only.

**Position #2 (near driver):** This 7-position panel will have all of the main truck/PTO functions (Jake, High Idle, PTO, etc.). If ASR, tire chains, or other chassis options are selected, the switches will be located in this panel (as long as space permits).

**Position #3 (center):** This panel will have the parking brake knob (near the driver) and (2) 12V power points (one on each side – if specified) as standard. The electronic siren (if selected) will also be installed in this panel unless otherwise directed to locate in a different panel.

**Position #4 (near officer):** This panel will be blank, unless otherwise specified. This panel doesn't provide much depth behind it for recessing of items. Please consult your SAE or project engineer before committing to recessed items in this panel.

**Position #5 (near officer):** This 7-position panel will have a Master Emergency 3-way switch, Q2B siren brake (if Q2B selected), and any other air horn or accessories that specify a switch near the officer.



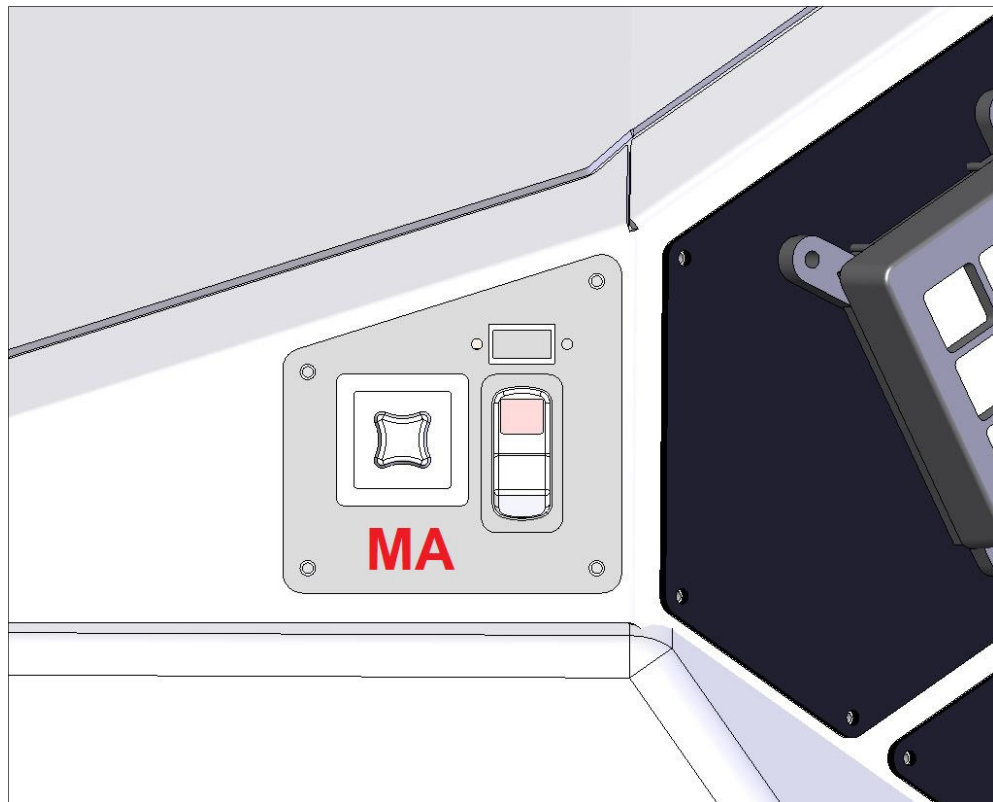
# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE

#### STANDARD LAYOUT

Position #MA (Mirror Adjustment) Near Driver:



Position #MA will be remote mirror adjustment knob and mirror heat switch (if selected).



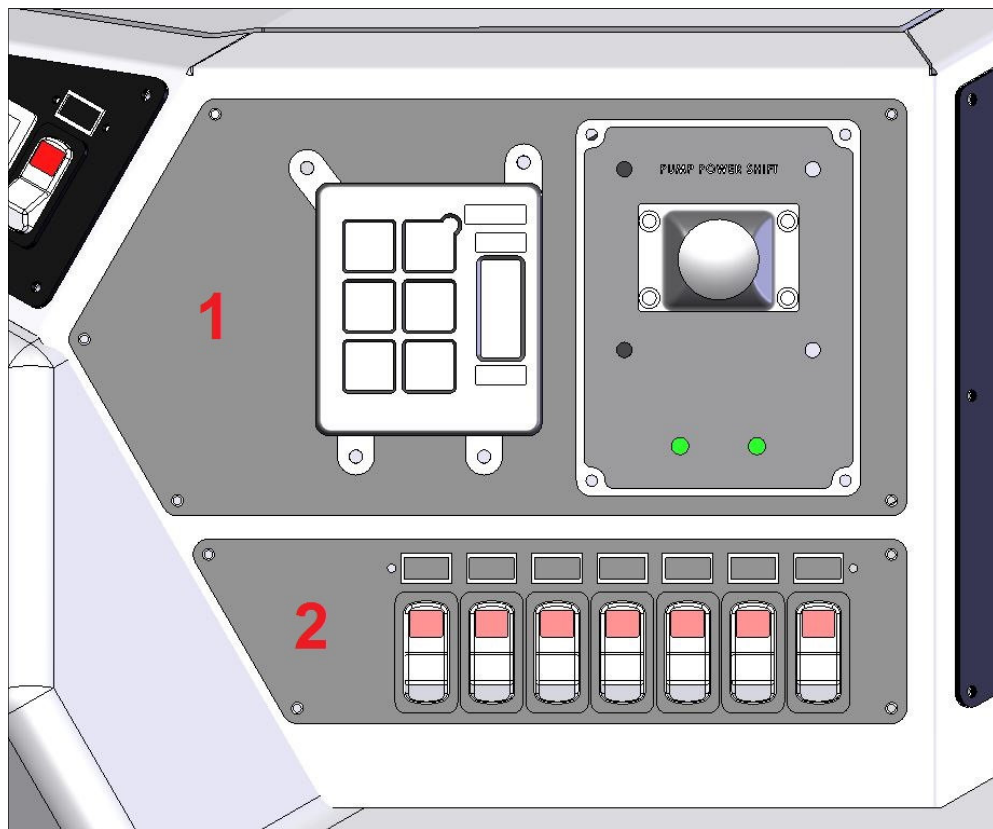
# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE

#### STANDARD LAYOUT

Positions #1 & 2 Near Driver:



Position #1 will be transmission touch pad and pump shift.

Position #2 switches will be (left to right):

1. Jake Brake On/Off
2. Jake Brake High/Medium/Low
3. High Idle
4. PTO (Ladder/Jacks) (aerial only)
5. Three (3) or four (4) blank plugs depending on product type

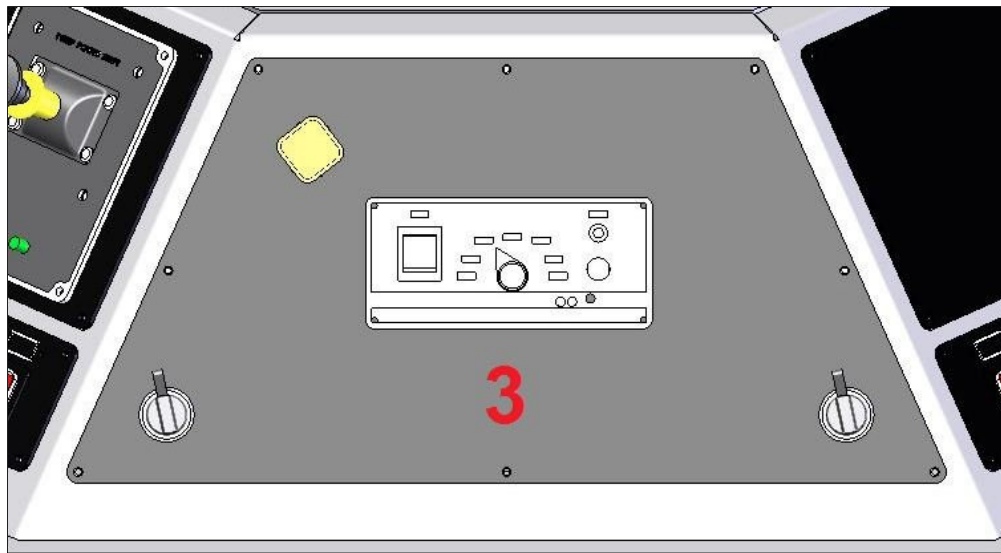
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## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE

#### STANDARD LAYOUT

Position #3 (Center):



Position #3 will be parking brake knob (upper left corner), two (2) 12V power points, one (1) each side in bottom left and right corners (if selected), and the electronic siren head (if selected). Siren heads need to have a remote flush mount head configuration if possible. The amplifier will be installed inside of the lower command console.

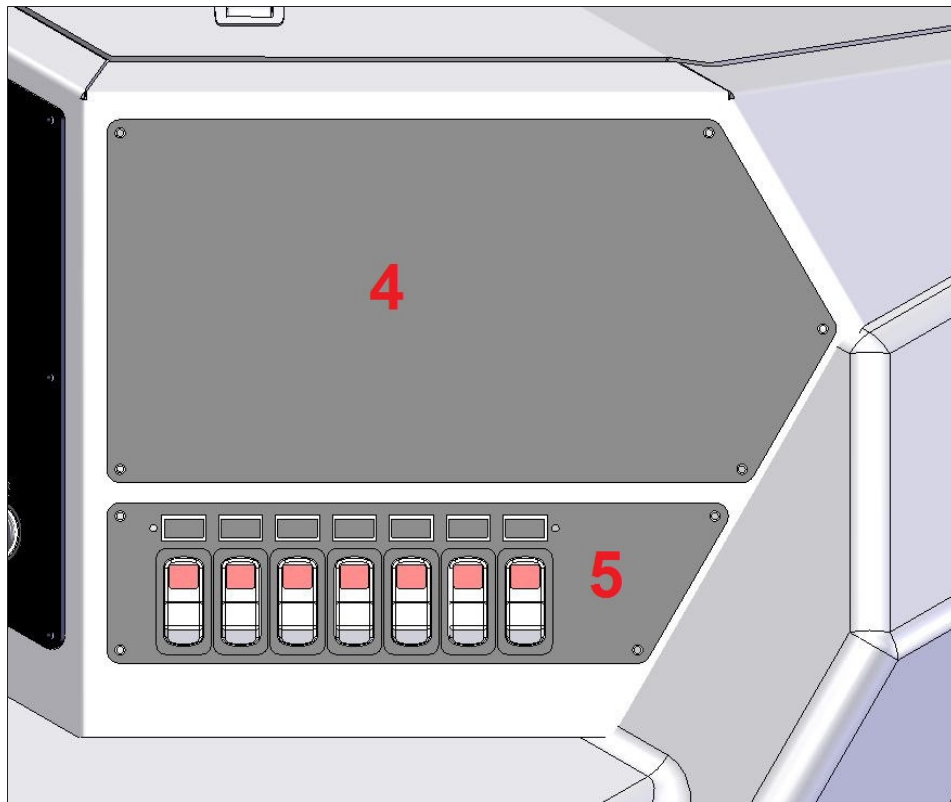
# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE

#### STANDARD LAYOUT

Positions #4 & 5 (Officer's Side):



Position #4 will be blank unless otherwise specified.

Position #5 switches will be (left to right):

1. Master Emergency (3-way switch)
2. Q2B siren brake (if Q2B selected)
3. Five (5) blank plugs

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### CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

#### STANDARD LAYOUT GUIDELINES

1. As standard, all of the removable panels in the overhead and lower command consoles will be made of aluminum with a black wrinkle finish powder coat.
  - A. Brushed stainless steel panels will also be offered, although they are not recommended based on customer feedback (glare, show smudges, etc.).  
**Cost = \$1,439 for all panels in overhead and lower dash**
2. Any unused switch location will have a black plastic plug installed, unless otherwise requested/costed.
3. Position #1 above the driver will have a power wire tail in case additional options are added after construction.
4. As standard, any light or function or that requires a switch (as outlined in the Configurator option verbiage), will get a switch near the driver. Options, such as air horn switch, etc. that specify a location near the officer will be installed as such. If a customer requests a secondary switch location in the cab for a light or other function, there will be two options. These options will be in the new Configurator:
  - A. **Standard secondary switch** – This will require the item/function to be turned on or off from the same location. I.E. – if the driver turns on the brow light, the driver has to turn it off. The officer cannot turn it off from his side with this type of switch. **Cost = \$107.83.**
  - B. **3-way secondary switch** – This will allow the item/function to be turned on or off from either location using a momentary switch and relay. I.E. – If the driver turns it on, the officer can turn it off, and vice versa. **Cost = \$183.02**
5. As standard, the lower command console will have the same finish and color as the engine enclosure, unless otherwise specified/requested by the customer.

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## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### OVERHEAD COMMAND CONSOLE PHOTOS (EXAMPLES)



NOTE: Standard gray Zolatone cab interior finish and black aluminum panels shown. Optional equipment may also be shown.



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## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE PHOTOS (EXAMPLES)



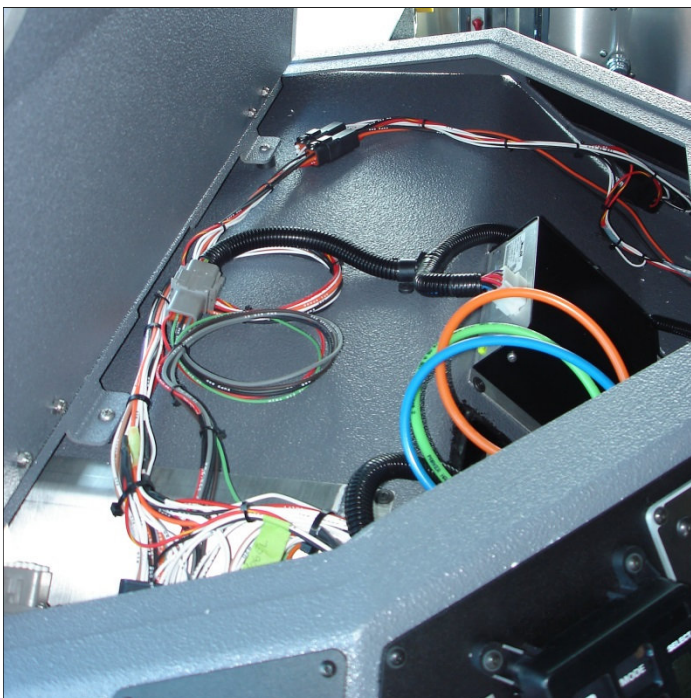
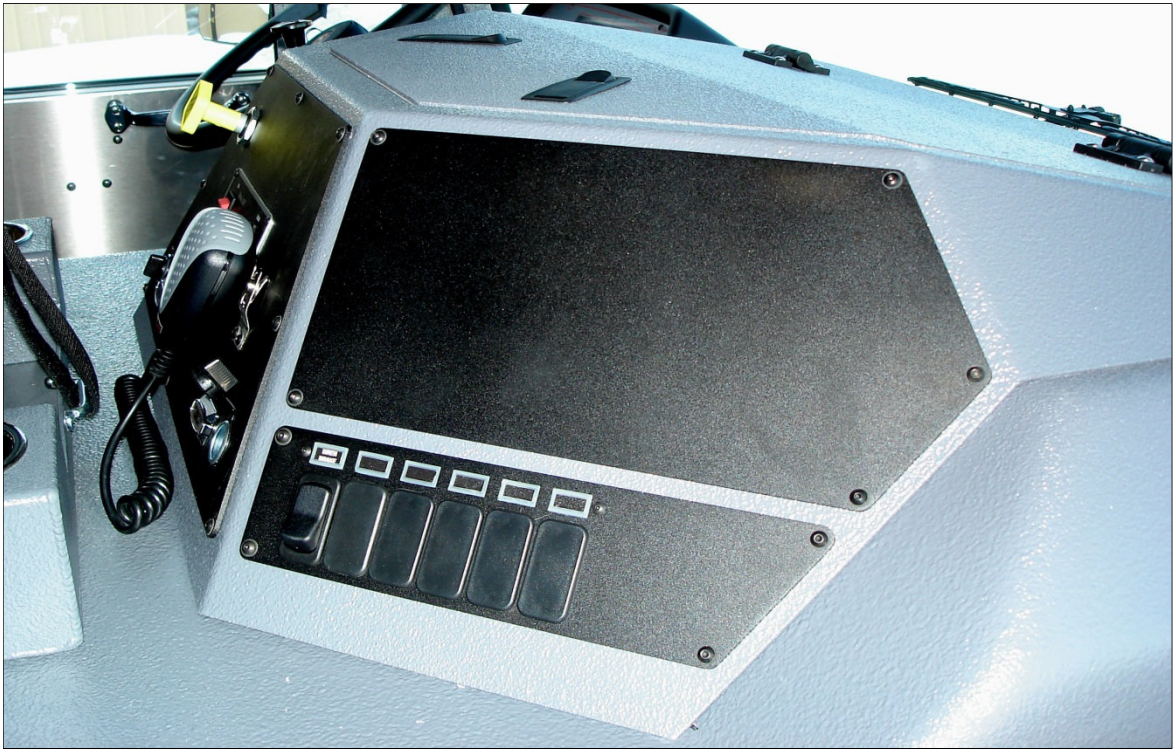
NOTE: Gray urethane engine enclosure finish and black aluminum panels shown. Optional equipment may also be shown.



# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### LOWER COMMAND CONSOLE PHOTOS (EXAMPLES)



NOTE: Gray urethane engine enclosure finish, and black aluminum panels shown. Optional equipment may also be shown.

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# SUTPHEN CORPORATION SALES TECHNICAL BULLETIN

## CAB COMMAND CONSOLES (POINT-TO-POINT WIRING)

### OVERHEAD & LOWER COMMAND CONSOLE PHOTOS (EXAMPLES)



NOTE: Black Zolatone cab interior finish, black urethane engine enclosure finish, and brushed stainless steel panels shown. Optional equipment may also be shown.



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