

Appendix A

930L-3203 LED LIGHTBAR FLASH PATTERN (FACTORY SETTING)

Mode - REAR & SIDE ONLY

+12 vdc **ORANGE** Control Wire Activated

Front Warning Lamps: Off

Rear Warning Lamps: Alternating All On - NEOBE® Flash

Corner & Side Warning Lamps: Side Only - NEOBE® Flash

Mode - FRONT & CORNERS ONLY

+12 vdc **BLUE** Control Wires Activated

Front Warning Lamps: Alternating All On - NEOBE® Flash

Rear Warning Lamps: Off

Corner & Side Warning Lamps: Corners Only - NEOBE® Flash

Mode - ALL ON

+12 vdc **ORANGE & BLUE** or **WHITE/BLACK** Control Wires Activated

Front Warning Lamps: Alternating All On - NEOBE® Flash

Rear Warning Lamps: Alternating All On - NEOBE® Flash

Corner & Side Warning Lamps: Side and Corners - NEOBE® Flash

930L-3203 CONTROL & POWER WIRES

Red	+12 Vdc Power
Black	GROUND
Orange	Mode Control 1
Blue	Mode Control 2
White/Black	Mode Control 3
Green	LED Low Intensity
Brown	Takedown
Red/White	n/a
Brown/White	n/a
Gray	Driver Alley
Yellow	Passenger Alley

Mode Activation: All control wires are +12 VDC activated, except the Green (LED Low Intensity) is GROUND activated.

Appendix A

930L-3203 FLASH PATTERNS (VER 00)

FRONT WARNING LAMP PATTERNS (DF1, FC, PF1):

- 1) OFF (TAKEDOWN OFF)
- 2) ALTERNATING (TAKEDOWN OFF)
- 3) **ALTERNATING (TAKEDOWN FLASHING) (FACTORY SETTING)**
- 4) RANDOM (TAKEDOWN OFF)
- 5) RANDOM (TAKEDOWN FLASHING)
- 6) COMBINATION (TAKEDOWN OFF)
- 7) COMBINATION (TAKEDOWN FLASHING)

*TAKEDOWN POSITION HAS STEADYBURN OVERRIDE

REAR WARNING LAMP PATTERNS (DR1, RC, PR1):

- 1) OFF
- 2) **ALTERNATING (FACTORY SETTING)**
- 3) RANDOM
- 4) COMBINATION

CORNER & END WARNING LAMP PATTERNS (DA, PA, DC, PC):

- 1) OFF
- 2) CORNERS ONLY (ALLEY OFF)
- 3) CORNERS ONLY (ALLEY FLASHING)
- 4) SIDE ONLY (ALLEY OFF)
- 5) SIDE ONLY (ALLEY FLASHING)
- 6) **SIDE AND CORNERS (ALLEY OFF) (FACTORY SETTING)**
- 7) SIDE AND CORNERS (ALLEY FLASHING)

FLASH RATES:

- 1) SINGLE FLASH
- 2) DOUBLE FLASH
- 3) **NEOBE® FLASH (FACTORY SETTING)**
- 4) SCROLL FLASH (4 SECONDS EACH OF ALL RATES)

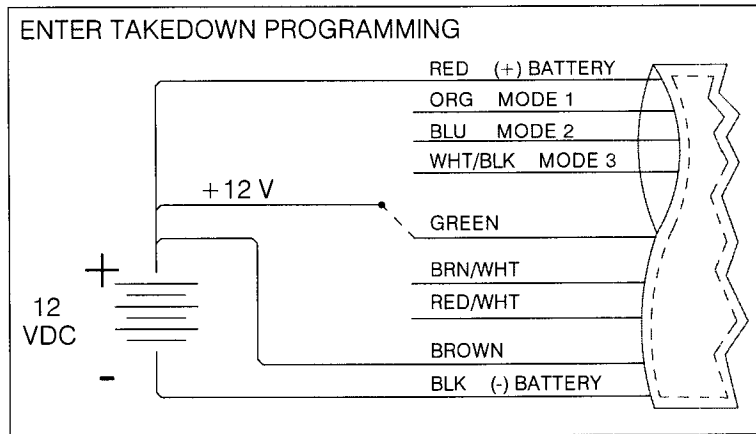
NOTE: Each section of the lightbar can operate at different flash rates at the same time and the lightbar can operate different flash rates in each mode.

Supplemental Tomar 930L-3203 Lightbar Programming Instructions Programming Takedown Location Using The Lightbar Control Cable

Please reference the IS0930L LED Lightbar Program Instructions for Mode or Flash Pattern programming.

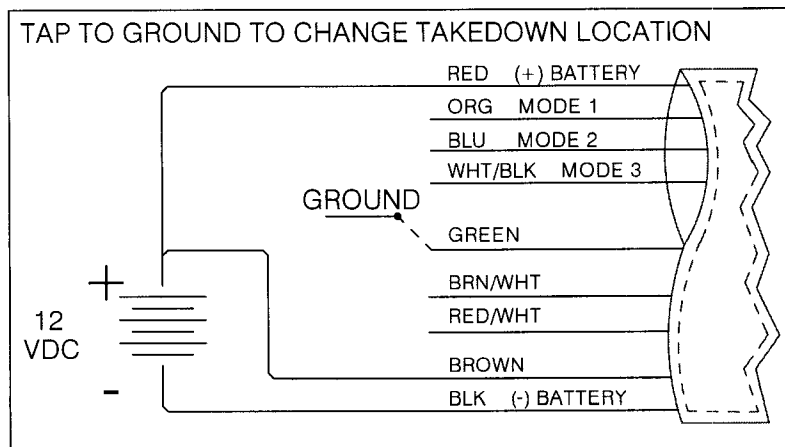
A. Programming TAKEDOWN Location. The Takedown Factory Setting is location FC, the 930L-3203 may alternately programmed to have Split Takedown DF1 & PF1.

1. **Programming Takedown:** Activate the lightbar programming mode by GROUNDING the **Black** input wire and then apply +12vdc to the **Red** input wire and the **Green & Brown** control wire.



(a) **Selecting Takedown:** Select the Takedown location by applying and removing (tapping) GREEN wire to GROUND. Each tap of the GREEN wire toggles the Takedown location which is displayed with a Steadyburning Lamp. Continue until the desired location is selected.

(b) Remove power from all wires. The Takedown Location is now set and will be activated by applying +12 vdc to the BROWN wire in normal operation.



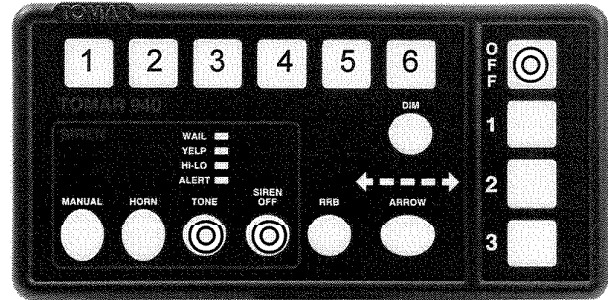
Supplemental Tomar 930L-3203 Lightbar Programming Instructions Programming Takedown Location Using the 940L-DCP

Please reference the IS0930L LED Lightbar Program Instructions for Mode or Flash Pattern programming.

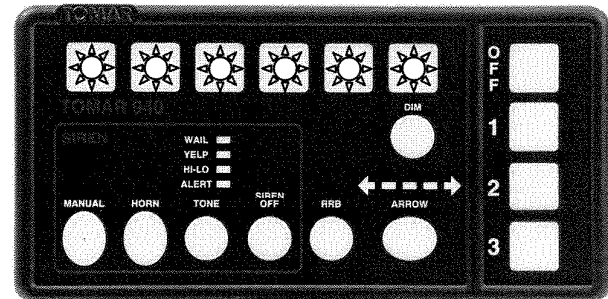
Connecting to the 930L-24-3203 LED Flasher: REMOVE POWER. Unscrew the lamp at the rear passenger side of the Lightbar. Locate the LED Flasher and connect the DB9 receptacle of the Tomar DB9-RJ45 Cable. Then connect the RJ-45 modular plug directly to the 940L-DCP, or the 940L-Siren Amp & Control Panel via the Slave RJ-45 port on the rear panel. If any Lightbar control wires are connected by any other method than the 940L-Siren Amp & Control Panel -- DO NOT activate any while in programming mode. Apply and maintain main power to the Lightbar.

A. Activate Lightbar Programming Mode

1. Activate the Lightbar Program Mode by simultaneously pressing the TONE + SIREN OFF + OFF switches and hold for two seconds



2. Programming switches 1-6 will blink three times to indicate successful activation of programming mode.



B. Programming Takedown Location

1. Program the Takedown Location by holding Programming Switch 1 and then pressing the Programming Switch 2 to toggle the Takedown location which is displayed by Steadyburning Lamp.
2. Exit Programming Mode: Press the OFF switch TWICE, once to disable the Lightbar, once to exit the 940L Lightbar Programming Mode.
3. The Takedown Location is now set and will be activated by the Brown wire in normal operation.

