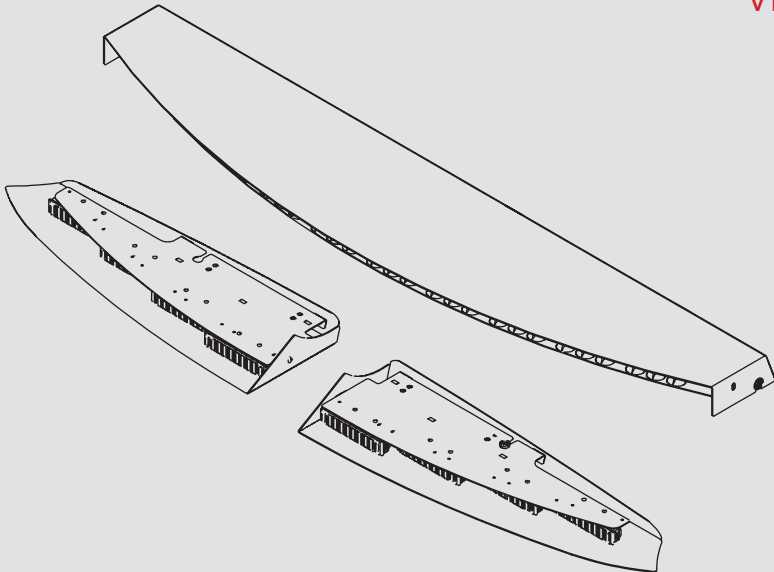


# FUSION INNERBAR

## Instruction Manual

V1.0



# FUSION

Model # - FN-XXXX,  
\*See website for Part #

This instruction manual serves as a guide for the **Fusion Innerbars**.

**IMPORTANT!** Please read through all provided instructions and any listed warnings in regards to product use.



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## Safety Regulations

The following provides all the information necessary to safely operate the previously listed products of Feniex Industries, Inc. Please read this manual thoroughly before installing or operating your new product in order to prevent any damage or injury. Failure to follow the listed instructions in this manual may result in damage to your products or personal injury.

- Proper installation of this product requires good knowledge of automotive systems, electronics and procedures.
- Please guarantee all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. Check all sides of the mounting surface before drilling any holes into the vehicle.
- Do not install this product in any way that interferes with the deployment of the air bag. Doing so may damage the effectiveness of the air bag and can lead to serious personal and vehicle injury. The installer will assume full responsibility of proper installation of the new unit.
- Please clean the mounting surface before installation of the unit when using tape, brackets, magnet, Velcro or suction cups.
- The product's ground wire must be connected directly to the Negative (-) battery post for effective use of the unit. Please follow all wiring guidelines provided to guarantee long lifespan and productivity. Failing to follow these instructions may result in damage to the product.

## Warranty

Feniex Industries, Inc. warrants to the original purchaser that the product shall be free from defects in material and workmanship for 5 years from the date of purchase for all LED products. Feniex Industries warranties speakers, sirens, flashers, and controllers for 2 years.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the web site at [www.Feniex.com](http://www.Feniex.com). If the product needs to be returned for repair or replacement, call our customer support line to receive a return merchandise authorization number.

Operational times are from 10 a.m. to 5 p.m. central time, Monday through Friday. Please do not send in product without contacting support first for a RMA number.

## Service After Expiration

Feniex Industries will still provide service for all products after expiration of the warranty. For any issues, call the customer support line. In some instances it may be necessary for the product to be shipped, freight prepaid and insured for loss or damage to Feniex headquarters.

**Warning!** Utilizing non-factory screws and mounting brackets may result in loss of warranty coverage.

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## Fusion Single Color Wiring Instructions:

Step 1: In order to power the unit, extend the red, 12V(+) wire to the 12V(+) post of the vehicle's battery. Extend the black 12V(-) wire to the ground post of the vehicle's battery.

Step 2: To turn the lightbar on, connect the brown wire to a 12V(+) source.

Step 3: Momentarily connect the yellow wire on a 12V(+) source to change flash patterns.

Step 4: For left arrow function, connect the blue wire to a 12V(+) post (switch). There are 2 different left arrow flash patterns. To select a pattern, engage the blue wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 5: For right arrow function, connect the gray wire to a 12V(+) post (switch). There are 2 different right arrow flash patterns. To select a pattern, engage the gray wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 6: In order to achieve a center out directional pattern, connect both the gray and blue wires to a 12V(+) post (switch). There are 2 different center out flash patterns. To select a pattern, engage the blue and gray wires to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 7: For takedown steady functionality, connect the white wire to a 12V(+) post (switch).

## How to Activate Takedown Flashing for Dual Color Fusion Bars:

Step 1: Connect the black wire to the battery's 12V(-) ground.

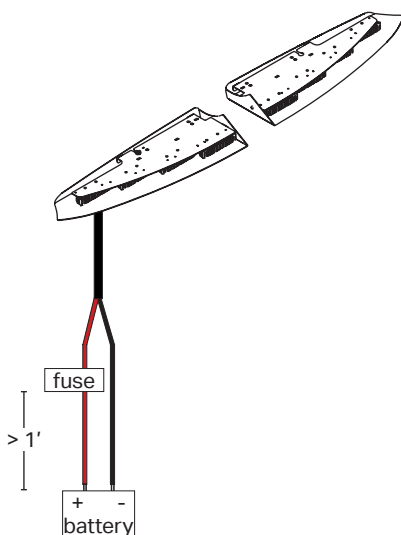
Step 2: Select the wire that will be set as the takedown flashing mode wire, either the green or brown wire.

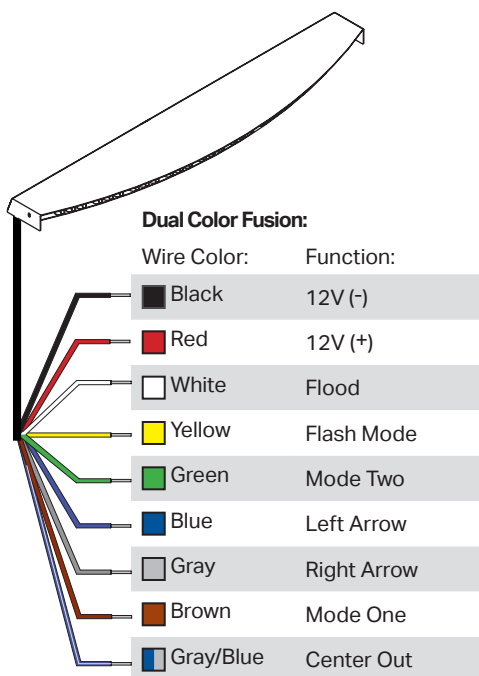
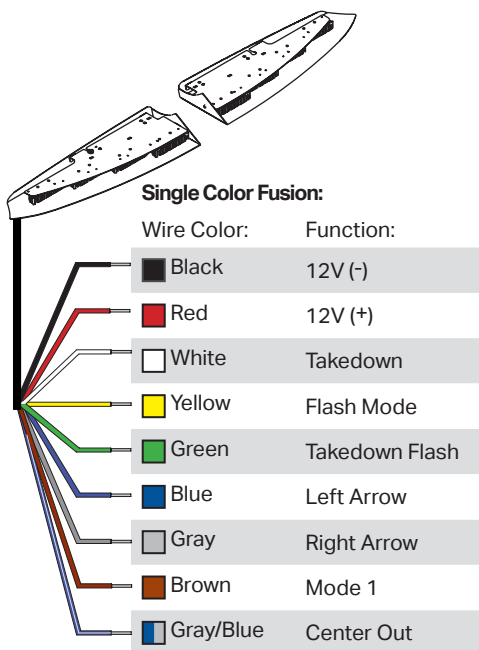
Step 3: Twist the selected mode (green or brown), red, white, and yellow wires together.

Step 4: Power the lightbar on by connecting the twisted wires to the battery's positive (+). Once activated, the takedown steady function will engage. To verify takedowns are flashing, disconnect the Takedown Steady (white) wire from power.

Step 5: Repeat steps 1 through 3 to deactivate Takedown Flashing.

**Important!** Takedown Steady overrides takedown flashing.





## Can I program takedowns for Fusion Dual Models?

Important Note! Takedown steady overrides takedown flashing

## Activate takedown Flashing for Dual Color:

Step 1: Connect the black wire to the battery's 12V(-) ground.

Step 2: Select the wire that will be set as the takedown flashing mode wire, either the green or the brown wire.

Step 3: Twist the selected mode (green or brown), red, white and yellow wires together.

Step 4: Power the lightbar on by connecting the twisted wires to the battery's positive (+). Once activated, the takedown steady function will engage. To verify takedowns are flashing, disconnect takedown steady (white) wire from power.

Step 5: Repeat steps 1 through 3 to deactivate takedown flashing.

Step 1: Following OEM instructions, remove the vehicle visor clips on the passenger and driver side of the vehicle. Retain the hardware and the visor clips.

Step 2: Secure each mounting bracket to the metal frame using the provided hex head bolts or 8-32 screws. These are pre-inserted into the frame. Insert the hex head bolts through the mounting holes on the visor brackets to secure the brackets to the frame.

Step 3: Position the opening of each bracket directly under the mounting location of the removed visor clips.

**Important!** The Universal Split model includes an adjustable flashback shield to allow for flexibility in the use of mounting brackets.

## Certifications:

CE Certified

SAE J595 Certified

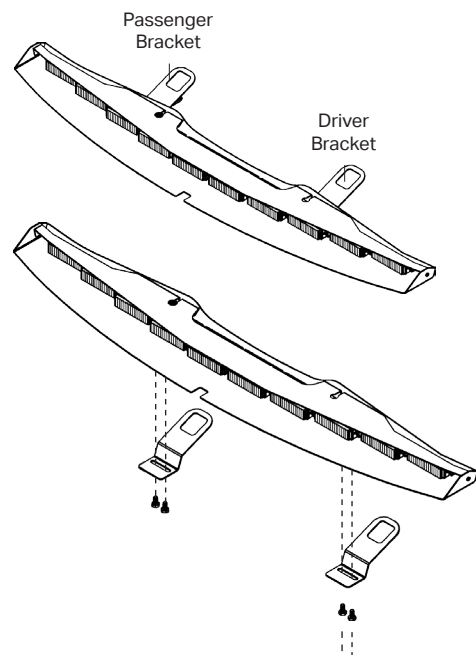
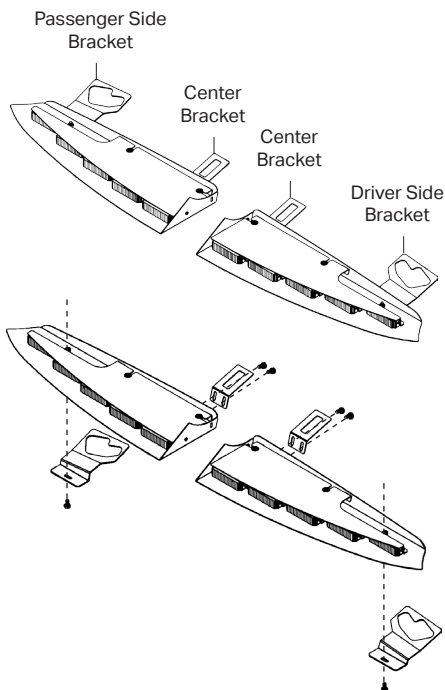
Meets CCR, Title 13 Requirements

## Fusion Specifications

Voltage: 9-13 VDC

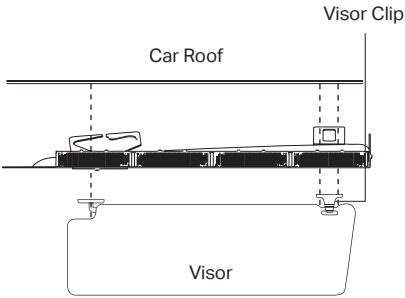
Power < 5 Amps

Dimensions: 0.93"H x 37"W x 5.5"H

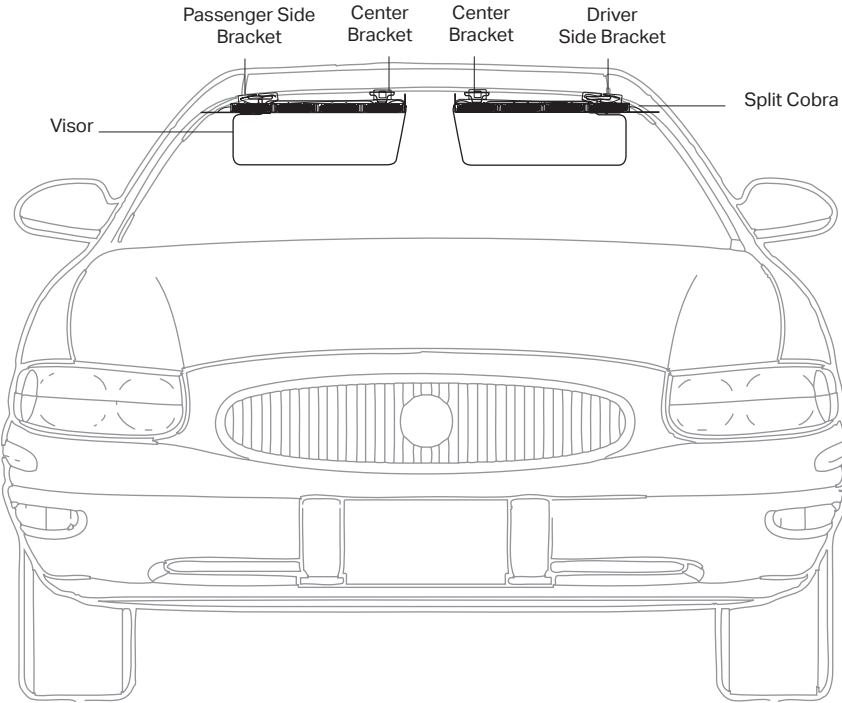


Step 4: With the light bar against the headliner and the brackets positioned, reattach the visor clips back into their original position using the original hardware.

Step 5: Push the black cable harness through the headliner and proceed with wiring instructions.



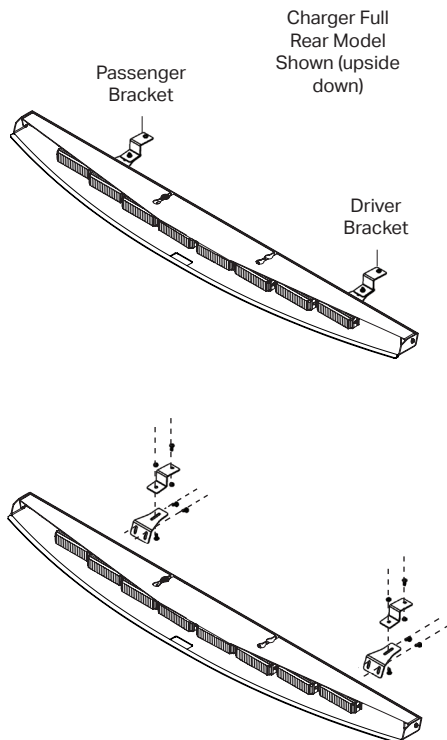
//////////  
**Important!** Depending on vehicle year, additional adjustments may be needed during installation, such as bending the visor clip brackets.  
//////////



Step 1: Following OEM instructions, remove the child restraint brackets on the passenger and driver side of the vehicle. Retain the hardware and the child restraint bracket.

Step 2: Secure each mounting bracket to the metal frame using the provided 1/4"x 20 hex head bolts. Insert the hex head bolts through the bottom holes on each side to fasten the light bar frame to the mounting brackets (See page 13 for vehicle specific bracket diagram).

Step 3: Position the opening of each bracket directly under the mounting location for the removed child restraint bracket.



## Certifications:

CE Certified

SAE J595 Certified

Meets CCR, Title 13 Requirements

## Fusion Specifications

Voltage: 9-13 VDC

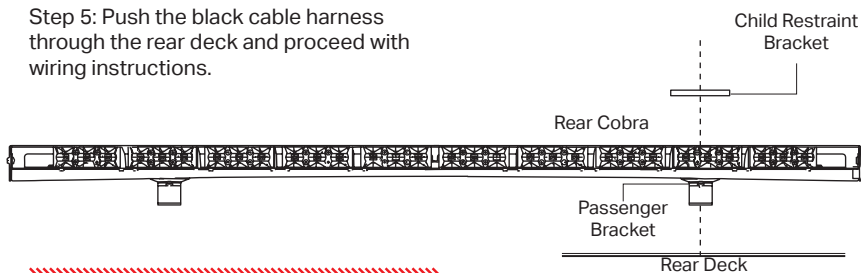
Power < 5 Amps

Dimensions: 0.93"H x 37"W x 5.5"H

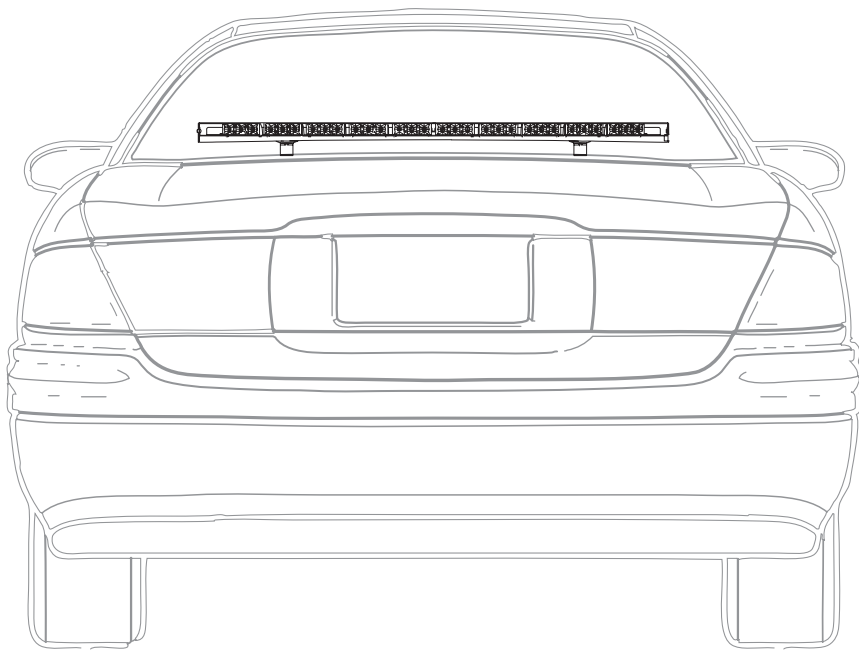


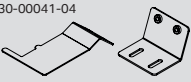

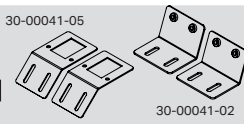


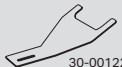


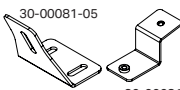

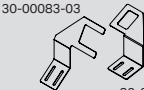
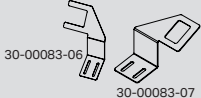
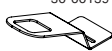
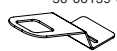





Step 4: With the light bar against the rear deck and the brackets positioned, reattach the child restraint brackets back into their original position using the original hardware.




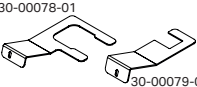



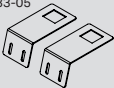
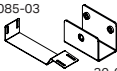
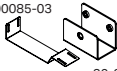


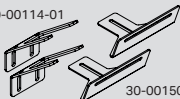


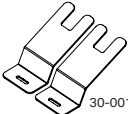





Step 5: Push the black cable harness through the rear deck and proceed with wiring instructions.



**Important!** Depending on vehicle, additional adjustments may be needed during installation, such as bending the visor clip brackets.



Name:	Driver Side:	Passenger Side:	Center:
Front Caprice Split 2011+	<input type="checkbox"/>  30-00041-02	<input type="checkbox"/>  30-00041-02	<input type="checkbox"/>  30-00041-02
Rear Caprice Full 2011+	<input type="checkbox"/> 	<input type="checkbox"/> 	<input type="checkbox"/>
Front Charger Split 2011+	<input type="checkbox"/>  30-00122-02	<input type="checkbox"/>  30-00122-01	<input type="checkbox"/>  30-00121-01
Rear Charger Full 2011+	<input type="checkbox"/>  30-00081-04	<input type="checkbox"/>  30-00081-04	<input type="checkbox"/>
Front Explorer Split 2011+	<input type="checkbox"/>  30-00083-05	<input type="checkbox"/>  30-00083-07	<input type="checkbox"/>
Front F-150 Full 2009 - 2014	<input type="checkbox"/>  30-00139-01	<input type="checkbox"/>  30-00139-01	<input type="checkbox"/>
Front F-150 Split 2015+	<input type="checkbox"/>  30-00188-01	<input type="checkbox"/>  30-00188-02	<input type="checkbox"/>  30-00187-01
Front F-250 Full 2008 - 14	<input type="checkbox"/>  30-00073-01	<input type="checkbox"/>  30-00073-01	<input type="checkbox"/>

Name:	Driver Side:	Passenger Side:	Center:
Front Tahoe Split 2007-2014	<input type="checkbox"/>  30-00032-08	<input type="checkbox"/>  30-00032-09	<input type="checkbox"/>  30-00032-10
Front Tahoe Split 2015+	<input type="checkbox"/>  30-00078-01 30-00079-01	<input type="checkbox"/>  30-00078-02 30-00079-02	
Front Taurus Split 2011+	<input type="checkbox"/>  30-00033-03	<input type="checkbox"/>  30-00033-04	<input type="checkbox"/>  30-00033-05
Rear Taurus Full 2011+	<input type="checkbox"/>  30-00085-03 30-00085-04	<input type="checkbox"/>  30-00085-03 30-00085-04	
Front Universal Split	<input type="checkbox"/>  30-00114-01 30-00150-01	<input type="checkbox"/>  30-00114-01 30-00150-01	<input type="checkbox"/>  30-00114-01 30-00150-01
Front Durango Split 2015+	<input type="checkbox"/>  30-00194-01	<input type="checkbox"/>  30-00194-02	<input type="checkbox"/>  30-00195-01
Front Expedition Split 2015+	<input type="checkbox"/>  30-00198-01 30-00199-1	<input type="checkbox"/>  30-00198-02 30-00199-2	
Front RAM 2015+	<input type="checkbox"/>  30-00233-01	<input type="checkbox"/>  30-00233-02	<input type="checkbox"/>  30-00234-01 (x2)

The flash patterns are listed in consecutive order of appearance. To select a certain flash pattern, start with a recognizable pattern and use the yellow wire to cycle through patterns.

### Fusion Single Color Models

1. Cluster
2. Attack
3. Night Ride
4. Combo Slow-Fast
5. Combo Slow
6. Combo Fast
7. Half Half Slow
8. Half Half Fast
9. One One Slow
10. One One Fast
11. Two Two Slow
12. Two Two Fast
13. All On Slow
14. All On Fast
15. In Out Slow
16. In Out Fast
17. **+ Directional Patterns**

The flash patterns are listed in consecutive order of appearance. To select a certain flash pattern, start with a recognizable pattern and use the yellow wire to cycle through patterns.

## Fusion Dual Color Models

1. Color 1-Cluster

2. Color 1-Attack

3. Color 1-Night Ride

4. Color 1-Combo Slow-Fast

5. Color 1-Combo Slow

6. Color 1-Combo Fast

7. Color 1-Half Half Slow

8. Color 1-Half Half Fast

9. Color 1-One One Slow

10. Color 1-One One Fast

11. Color 1-Two Two Slow

12. Color 1-Two Two Fast

13. Color 1-All On Slow

14. Color 1-All On Fast

15. Color 1-In Out Slow

16. Color 1-In Out Fast

17. Color 2-Cluster

18. Color 2-Attack

19. Color 2-Night Ride

20. Color 2-Combo Slow-Fast

21. Color 2-Combo Slow

22. Color 2-Combo Fast

23. Color 2-Half Half Slow

24. Color 2-Half Half Fast

25. Color 2-One One Slow

26. Color 2-One One Fast

27. Color 2-Two Two Slow

28. Color 2-Two Two Fast

29. Color 2-All On Slow

30. Color 2-All On Fast

31. Color 2-In Out Slow

32. Color 2-In Out Fast

33. Color 1&2-Cluster

34. Color 1&2-Attack

35. Color 1&2-Night Ride

36. Color 1&2-Combo Slow-Fast

37. Color 1&2-Combo Slow

38. Color 1&2-Combo Fast

39. Color 1&2-Half Half Slow

40. Color 1&2-Half Half Fast

41. Color 1&2-One One Slow

42. Color 1&2-One One Fast

43. Color 1&2-Two Two Slow

44. Color 1&2-Two Two Fast

45. Color 1&2-All On Slow

46. Color 1&2-All On Fast

47. Color 1&2-In Out Slow

48. Color 1&2-In Out Fast