

# **Cruise Button Install**

## **87-14 Mustang or 97-03 F150 Coyote/6R80 Swap**

### **App Note**

Rev. 1.1

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This application note describes one way to install an Accutach Co. Cruise Button Box into an 87-14 Mustang or a 97-03 F150 with a Coyote/6R80 swap with a 6RStager transbrake and bump box. If you would prefer a different implementation, such as using 3 buttons rather than 2, please contact Accutach Co. for support. Some cars other than 87-09 Mustangs and 97-03 F150s may support the pressing of two buttons simultaneously. For example 10-14 Mustangs can support multiple simultaneous button presses. In that case, simply refer to the install guide for that vehicle to control the 6RStager box inputs.

#### **87-04 Mustangs and 97-03 F150s**

This app note assumes that you will press the RESUME button once to set the transbrake, you will use the COAST button to bump and you will press the RESUME button a second time to launch. You can use different buttons for these functions if you just change the wire colors from the Cruise Button Box.

The 6RSTAGER box has two inputs that need battery voltage applied to them to activate them. The inputs are T Brake Enable (Lt. blue wire) which sets the transbrake and Stage Enable (violet wire) which lets you bump the car up to the line.

In order for the COAST button to control the bump, you will connect one of the Cruise Button Box green wires to the 6RSTAGER violet wire. The other Cruise button Box green wire will be connected to switched battery voltage.

You will need to use one of Accutach Co's auxiliary switch boxes to control the T Brake Enable input. This app note will use the Toggle Auxiliary Box to control that function.

To set the transbrake with the RESUME button, you will connect one of the Cruise Button Box's Gray wire to the Toggle Auxiliary Box's blue wire. The other Cruise Button Box's Gray wire will be grounded. The first press of the RESUME button will set the transbrake. You will launch with the second press of the RESUME button.

The Toggle Auxiliary Box's white wire should be connected to the 6RStager's Lt. blue wire. The Toggle Auxiliary Box's red wire should be connected to switched battery power and the black wire should be grounded. The Toggle Auxiliary Box's white wire supplies battery power when it is set.

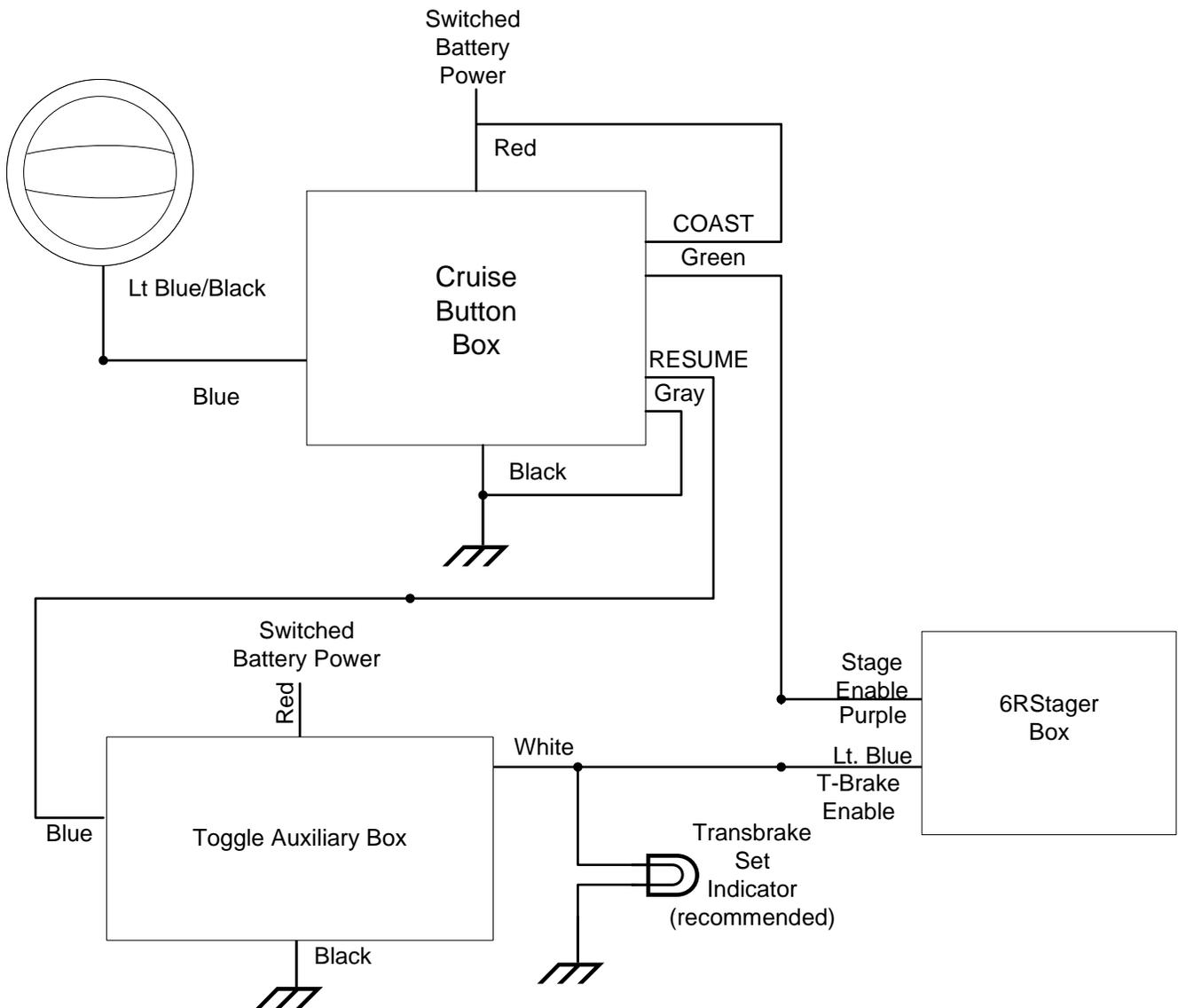
It is a good idea to have a 12V LED or bulb as an indicator as to when the transbrake is set. To do that, connect the positive side of the LED or bulb to the Toggle Auxiliary Box's white wire. Connect the negative side of the LED or bulb to ground.

You will connect the Cruise Button Box's red wire to switched battery power and its black wire to ground.

You will connect the Cruise Button Box's blue wire to the steering wheel button signal wire per the Cruise Button Box Install Guide. Be sure to ground the steering wheel button circuit if you have removed the cruise control servo from the car. See the Cruise Button Box Install Guide for details.

The wiring diagram for 87-04 Mustangs and 97-03 F150s is on the following page.

87-04 Mustang or 97-03 F150 Coyote/6R80 Swap 6RSTAGER Wiring Diagram



## 05-09 Mustangs

This app note assumes that you will press the RSM button once to set the transbrake, you will use the SET- button to bump and you will press the RSM button a second time to launch. You can use different buttons for these functions if you just change the wire colors from the Cruise Button Box.

The 6RSTAGER box has two inputs that need battery voltage applied to them to activate them. The inputs are T Brake Enable (Lt. blue wire) which sets the transbrake and Stage Enable (violet wire) which lets you bump the car up to the line.

In order for the SET- button to control the bump, you will connect one of the Cruise Button Box green wires to the 6RSTAGER violet wire. The other Cruise button Box green wire will be connected to switched battery voltage.

You will need to use one of Accutach Co's auxiliary switch boxes to control the T Brake Enable input. This app note will use the Toggle Auxiliary Box to control that function.

To set the transbrake with the RSM button, you will connect one of the Cruise Button Box's Gray wire to the Toggle Auxiliary Box's blue wire. The other Cruise Button Box's Gray wire will be grounded. The first press of the RSM button will set the transbrake. You will launch with the second press of the RSM button.

The Toggle Auxiliary Box's white wire should be connected to the 6RStager's Lt. blue wire. The Toggle Auxiliary Box's red wire should be connected to switched battery power and the black wire should be grounded. The Toggle Auxiliary Box's white wire supplies battery power when it is set.

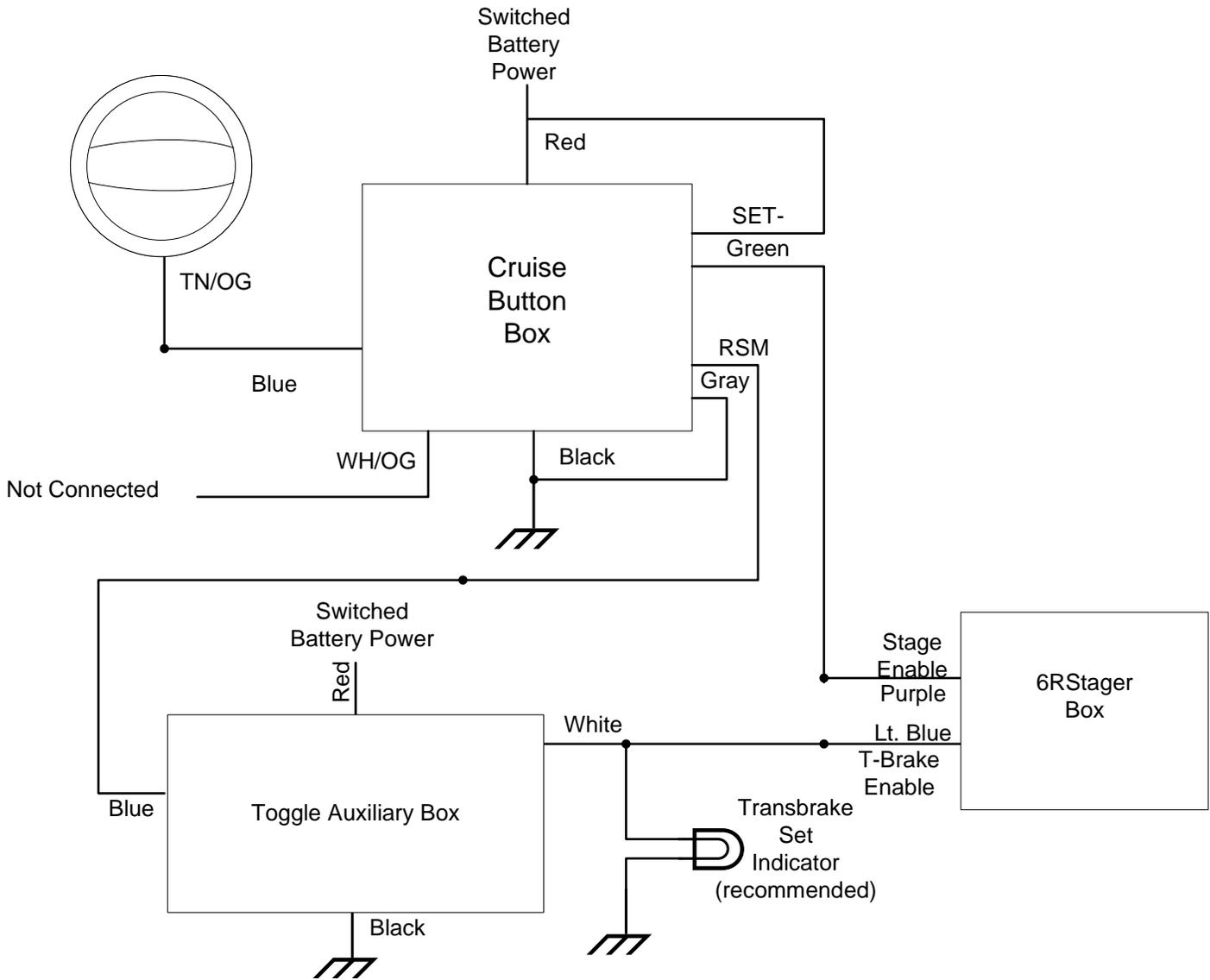
It is a good idea to have a 12V LED or bulb as an indicator as to when the transbrake is set. To do that, connect the positive side of the LED or bulb to the Toggle Auxiliary Box's white wire. Connect the negative side of the LED or bulb to ground.

You will connect the Cruise Button Box's red wire to switched battery power and its black wire to ground.

You will connect the Cruise Button Box's blue wire to the steering wheel button signal wire per the Cruise Button Box Install Guide. Be sure to ground the steering wheel button circuit if you have removed the cruise control servo from the car. Do not connect the Cruise Button Box's WH/OR wire to anything. See the Cruise Button Box Install Guide for details.

The wiring diagram for 05-09 Mustangs is on the following page.

05-09 Mustang Coyote/6R80 Swap 6RSTAGER Wiring Diagram



## 10-12 Mustangs (Cruise button group only)

If you only want to repurpose your 10-12 Mustang cruise control buttons to control your 6RStager box, you should use the instructions on this page and the next page. If you want to use one button from the audio button group and another button from the cruise group, please refer to the 2010-2014 Mustang Cruise & Audio Button Box Install Guide for a simpler installation. You can directly control each 6RStager box input with a button from two different groups.

This app note assumes that you will press the RSM button once to set the transbrake, you will use the SET- button to bump and you will press the CNCL/RSM button a second time to launch. You can use different buttons for these functions if you just change the wire colors from the Cruise Button Box.

The 6RSTAGER box has two inputs that need battery voltage applied to them to activate them. The inputs are T Brake Enable (Lt. blue wire) which sets the transbrake and Stage Enable (violet wire) which lets you bump the car up to the line.

In order for the SET- button to control the bump, you will connect one of the Cruise Button Box green wires to the 6RSTAGER violet wire. The other Cruise button Box green wire will be connected to switched battery voltage.

You will need to use one of Accutach Co's auxiliary switch boxes to control the T Brake Enable input. This app note will use the Toggle Auxiliary Box to control that function.

To set the transbrake with the CNCL/RSM button, you will connect one of the Cruise Button Box's Gray wire to the Toggle Auxiliary Box's blue wire. The other Cruise Button Box's Gray wire will be grounded. The first press of the CNCL/RSM button will set the transbrake. You will launch with the second press of the CNCL/RSM button.

The Toggle Auxiliary Box's white wire should be connected to the 6RStager's Lt. blue wire. The Toggle Auxiliary Box's red wire should be connected to switched battery power and the black wire should be grounded. The Toggle Auxiliary Box's white wire supplies battery power when it is set.

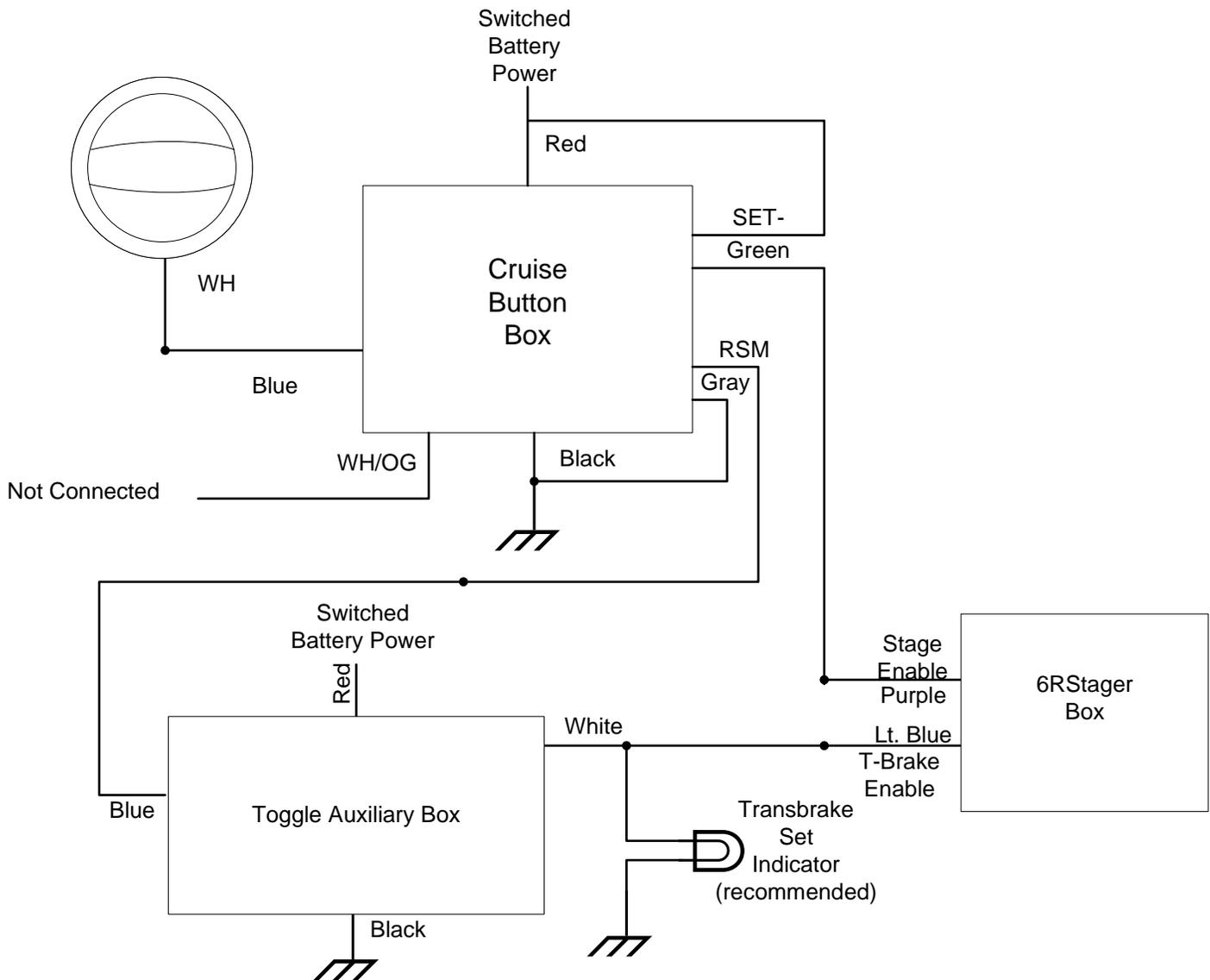
It is a good idea to have a 12V LED or bulb as an indicator as to when the transbrake is set. To do that, connect the positive side of the LED or bulb to the Toggle Auxiliary Box's white wire. Connect the negative side of the LED or bulb to ground.

You will connect the Cruise Button Box's red wire to switched battery power and its black wire to ground.

You will connect the Cruise Button Box's blue wire to the steering wheel button signal wire per the Cruise Button Box Install Guide. Be sure to ground the steering wheel button circuit if you have removed the cruise control servo from the car. Do not connect the Cruise Button Box's WH/OR wire to anything. See the Cruise Button Box Install Guide for details.

The wiring diagram for 10-12 Mustangs is on the following page.

10-12 Mustang Coyote/6R80 6RSTAGER Wiring Diagram



### **13-14 Mustangs (Cruise button group only)**

If you only want to repurpose your 13-14 Mustang cruise control buttons to control your 6RStager box, you should use the instructions on this page and the next page. If you want to use one button from the audio button group and another button from the cruise group, please refer to the 2010-2014 Mustang Cruise & Audio Button Box Install Guide for a simpler installation. You can directly control each 6RStager box input with a button from two different groups.

This app note assumes that you will press the RSM button once to set the transbrake, you will use the SET- button to bump and you will press the CNCL/RSM button a second time to launch. You can use different buttons for these functions if you just change the wire colors from the Cruise Button Box.

The 6RSTAGER box has two inputs that need battery voltage applied to them to activate them. The inputs are T Brake Enable (Lt. blue wire) which sets the transbrake and Stage Enable (violet wire) which lets you bump the car up to the line.

In order for the SET- button to control the bump, you will connect one of the Cruise Button Box green wires to the 6RSTAGER violet wire. The other Cruise button Box green wire will be connected to switched battery voltage.

You will need to use one of Accutach Co's auxiliary switch boxes to control the T Brake Enable input. This app note will use the Toggle Auxiliary Box to control that function.

To set the transbrake with the CNCL/RSM button, you will connect one of the Cruise Button Box's Gray wire to the Toggle Auxiliary Box's blue wire. The other Cruise Button Box's Gray wire will be grounded. The first press of the CNCL/RSM button will set the transbrake. You will launch with the second press of the CNCL/RSM button.

The Toggle Auxiliary Box's white wire should be connected to the 6RStager's Lt. blue wire. The Toggle Auxiliary Box's red wire should be connected to switched battery power and the black wire should be grounded. The Toggle Auxiliary Box's white wire supplies battery power when it is set.

It is a good idea to have a 12V LED or bulb as an indicator as to when the transbrake is set. To do that, connect the positive side of the LED or bulb to the Toggle Auxiliary Box's white wire. Connect the negative side of the LED or bulb to ground.

You will connect the Cruise Button Box's red wire to switched battery power and its black wire to ground.

You will connect the Cruise Button Box's blue wire to the steering wheel button signal wire per the Cruise Button Box Install Guide. Be sure to ground the steering wheel button circuit if you have removed the cruise control servo from the car. Ground the Cruise Button Box's WH/OR wire to anything. See the Cruise Button Box Install Guide for details.

The wiring diagram for 13-14 Mustangs is on the following page.

13-14 Mustang Coyote/6R80 6RSTAGER Wiring Diagram

