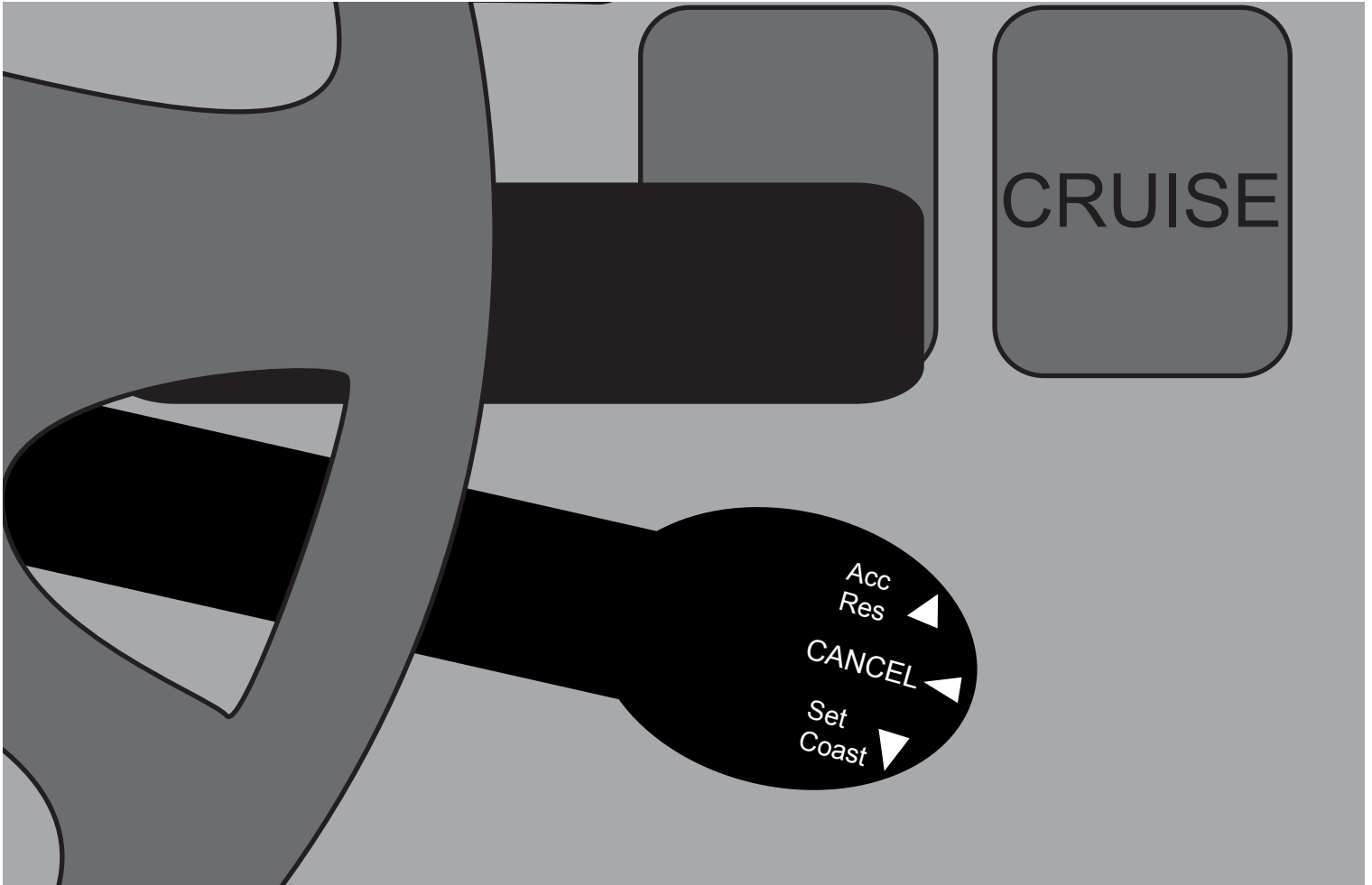
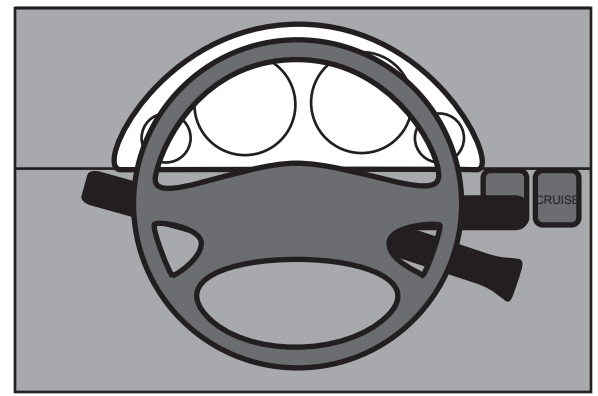
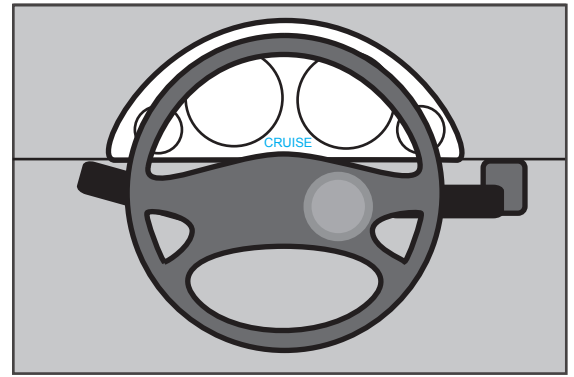


Andrea Nicole Wagner  
Interaction Widget  
Cruise Control  
Original Design in Subaru Outback

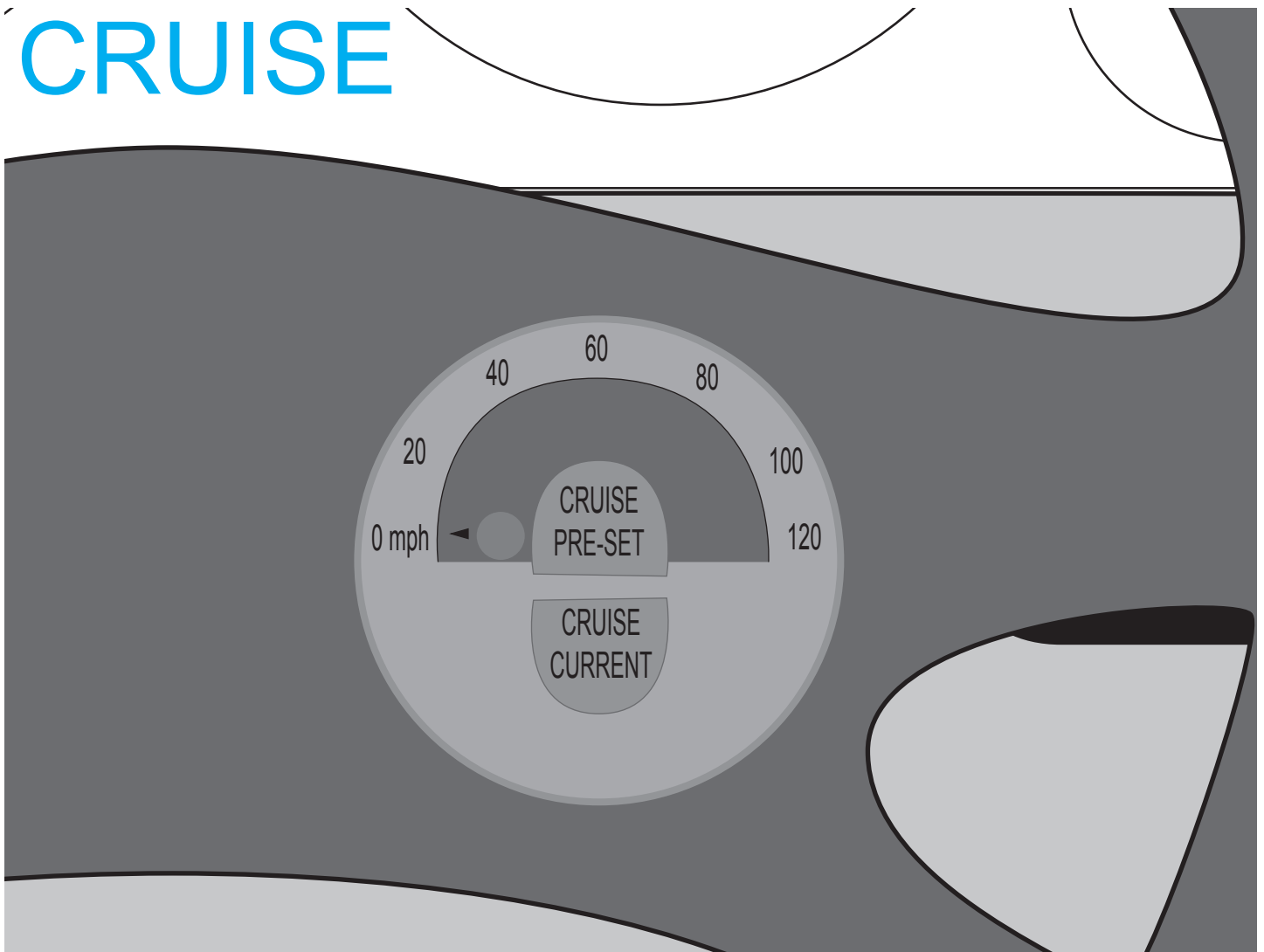


Original cruise control widget of the Subaru Outback is poor for several reasons:

1. The widget that activates cruise control is separate from the widget that contains all of the other cruise control functions.
2. The triangles, meant to demonstrate the action of the user to perform each command, are inaccurate. One has to pull the lever towards his/herself to cancel the cruise control and the triangle seems to be telling the user to press the lever in towards the steering wheel.
3. It is unclear how the dual functions of the 'up' and 'down' actions are performed, or how they are different.
4. It is difficult to gauge the change in speed that accelerating and decelerating will bring.
5. It is difficult to drastically change the speed in a short amount of time because the user is unable to change speed more than one 'click' at a time.



# CRUISE



The revised cruise control widget combines the cancel and on/off switch but allows the user two control options: set cruise control at the mileage currently maintained by your car with 'cruise current' or pre-set a speed with the mph knob and select 'cruise pre-set.' If the user selects 'cruise current,' the system will recognize the speed and set the speed knob to that maintained speed. The speed knob allows the user to see the relationship between the widget input and the actual speed; it also allows the user to drastically change their speed or anticipate a change in speed more quickly than the old lever. When the user depresses the on/off button for 'pre-set' mode, the knob remembers the most recent speed used so that when cruise control is enabled again the same speed will be set unless the user changes it. This memory lasts until the car is turned off, at which point the entire cruise control is re-set.

Similar real world widgets include the volume control knob, the wall mounted light dimmer, the single knob style hot/cold water shower control and the combination lock or combination safe.