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| **Name** |  | Switch Display. |
| **Purpose** |  | SHC displays switch control options and tracks user interface when user touches the steering wheel switch pack. |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Display active and SHC has display priority. |
|  |  |  |
| **Main Flow** | M1 | User touches a steering wheel switch. |
|  | M2 | Display shows controls available from the steering wheel switches and indicates which controls the user is currently touching. |
|  | M3 | User moves across the steering wheel switch. |
|  | M4 | Display updates to indicate which control the user is touching. |
|  | M5 | User releases the steering wheel switch. |
|  | M6 | After 4 second timeout the display hides SHC controls |
|  |  |  |
| **Exceptional Flow 1** | E1 | SHC receives a priority display request (Incoming Phone call, Text Message, Considerate prompt, etc.) |
|  | E2 | Relevant use case takes over until the end of the use case |
|  | E3 | Pre-interrupted display returns to the HMI. |
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| **Name** |  | Interrupt to display – Considerate Prompt |
| **Purpose** |  | Display of priority driver feedback. |
| **Actors** |  | Vehicle |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Display active and SHC has display priority. |
|  |  |  |
| **Main Flow** | M1 | SHC receives a priority messages to be displayed to the driver |
|  | M2 | HMI displays highest priority message to the driver |
|  | M3 | HMI displays digital controls relevant to the message |
|  | M4 | User presses the “OK” key to dismiss the message. |
|  | M5 | HMI returns to the pre interrupted display. |
|  |  |  |
| **Alternative Flow 1** | A1 | Considerate prompt has a navigation menu. Digital controls are displayed. |
|  | A2 | User navigates though the options with the up/down switches. |
|  | A3 | User presses the select key when selecting “More information” option. |
|  | A4 | The specific information regarding the considerate is displayed. |
|  | A5 | User dismisses the information. |
|  | A6 | HMI returns to the pre interrupted display. |
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| **Name** |  | Cruise control On |
| **Purpose** |  | SHC enables cruise control. |
| **Actors** |  | Driver |
|  |  |  |
| **Precondition** |  | SHC enabled |
|  |  | Cruise control off |
|  |  |  |
| **Main Flow** | M1 | User presses the Cruise control enable/disable button on the steering wheel switch pack. |
|  | M2 | Cruise control is turned on |
|  | M3 | Cruise control set speed is automatically set to current speed |
|  | M4 |  |
|  |  |  |
|  |  |  |
| **Exceptional Flow 1** | E1a | Any system fault prevents Cruise control from turning on |
|  | E1b | HMI shows error |
|  | E1c |  |
| **Exceptional Flow 2** | E2 | If below 20 mph, notification in cluster. |
| **Exceptional Flow 3** | E3a | If at 0 and ACC detects a follow target |
|  | E3b | Cruise speed set to 20 mph |
|  | E3c | Gap follow turned on |
| **Postconditions** |  |  |

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| --- | --- | --- |
| **Name** |  | Cruise control off |
| **Purpose** |  | SHC turns cruise control off |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Cruise control on or in standby |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the labeled Cruise control on/off button on the steering wheel switch pack. |
|  | M2 | Cruise control is turned off |
|  | M3 | Display updates to Cruise control off |
|  | M4 |  |
| **Exceptional Flow 1** | E1 | Any system fault updates Cruise control status to off |
|  | E2 | Cruise control is turned off |
|  | E3 | Display updates to Cruise control off and show error |
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| **Postconditions** |  |  |

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| --- | --- | --- |
| **Name** |  | Set Cruise Control |
| **Purpose** |  | Set vehicle cruise control at current vehicle speed |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Vehicle traveling at speed equal to or greater than 20 miles per hour. |
|  | P3 | Cruise control options are displayed on the cluster |
|  | P4 | Cruise control in standby |
|  | P5 |  |
| **Main Flow** | M1 | User presses the Set + or Set - key |
|  | M2 | Vehicle cruise control is set to current speed |
|  | M3 | Vehicle engages cruise control at set speed |
|  | M4 | Display updates cruise control options to Cruise control ON |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  |  |
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| **Postconditions** |  |  |
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| **Name** |  | Resume Cruise Control |
| **Purpose** |  | Resume vehicle cruise control to previously set speed |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 |  |
|  | P3 | Cruise control options are displayed on the cluster |
|  | P4 | Cruise control in standby |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the Resume key |
|  | M2 | Vehicle turns cruise control on at set speed |
|  | M3 | Display updates cruise control options to Cruise control ON |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
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| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  |  |
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| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Cancel Cruise Control (Standby) |
| **Purpose** |  |  |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Cruise control options are displayed on the cluster |
|  | P3 | Cruise control on |
|  | P4 |  |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the Cancel key |
|  | M2 | Vehicle cruise control sets to standby |
|  | M3 | HMI updates to cruise control standby |
|  | M4 |  |
| **Alternative Flow 1** | A1a | User presses the break. |
|  | A1b | Vehicle cruise control sets to standby |
|  | A1c | HMI updates to cruise control standby |
|  |  |  |
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|  |  |  |
| **Alternative Flow 2** | A2a | Vehicle comes to a stop |
|  | A2b | Vehicle cruise control sets to standby |
|  | A2c | HMI updates to cruise control standby |
| **Postconditions** |  |  |
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| **Name** |  | Adaptive Cruise Control Stop mode |
| **Purpose** |  | Vehicle automatically enters Stop mode |
| **Actors** |  | ACC |
| **Precondition** | P1 | ACC on |
|  | P2 | ACC causes vehicle to stop behind a target |
|  | P3 | Vehicle remains stopped for x seconds |
|  | P4 | SHC enabled |
|  |  |  |
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| **Main Flow** | M1 | Vehicle cruise control automatically sets to standby |
|  | M2 | HMI updates to cruise control standby |
|  | M3 |  |
|  |  |  |
| **Alternative Flow 1** |  | **OPEN item: Persistent “Resume” display while stopped?** |
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| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Increase set cruise control speed |
| **Purpose** |  | Increase set cruise control speed |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Cruise control options are displayed on the cluster |
|  | P3 | Cruise control on |
|  | P4 |  |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses and releases the “Set +” key |
|  | M2 | Vehicle increases cruise control set speed by 1 mph |
|  | M3 | HMI Updates to show set speed |
|  | M4 |  |
| **Alternative Flow 1** | A1 | User presses and holds the “Set +” key |
|  | A2 | After 500 ms, Vehicle increases cruise control set speed by 5 mph every 100 ms. |
|  | A3 | HMI Updates to show set speed every 100 ms |
|  | A4 | User releases the “Set +” key |
|  |  |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  |  |
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| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Decrease set cruise control speed |
| **Purpose** |  | Decrease set cruise control speed |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Cruise control options are displayed on the cluster |
|  | P3 | Cruise control on or in standby |
|  | P4 |  |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the “Set -” key |
|  | M2 | Vehicle decrease cruise control set speed by 1 mph. |
|  | M3 | HMI Updates to show set speed |
|  | M4 |  |
| **Alternative Flow 1** | A1 | User presses and holds the “Set -” key |
|  | A2 | After 500ms, Vehicle decreases cruise control set speed by 5 mph ever 100 ms. |
|  | A3 | HMI Updates to show set speed every 100 ms |
|  | A4 | User releases the “Set -” key |
|  |  |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  |  |
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| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Activate lateral control |
| **Purpose** |  | Activate lateral control |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Lateral Control not engaged |
|  | P3 |  |
|  | P4 | Lateral control available |
|  | P5 | Cruise control controls displayed |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the lateral control key |
|  | M2 | Vehicle lateral control activates. |
|  | M3 |  |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  | If lane centering on: |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Deactivate lateral control |
| **Purpose** |  | Deactivate lateral control |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Cruise control options are displayed on the cluster |
|  | P3 | Lateral Control active |
|  | P4 | Cruise controls displayed |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the lateral control key |
|  | M2 | Vehicle lateral control deactivates. |
|  | M3 |  |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  |  |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | View Gap setting |
| **Purpose** |  | View Gap setting |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Cruise controls displayed on the cluster |
|  | P3 | Cruise control is on or in standby |
|  | P4 |  |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the gap button |
|  | M2 | HMI shows current gap setting |
|  | M3 | digital switch is removed after 4 seconds. |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
| **Exceptional Flow 1** |  |  |
|  |  |  |
| **Postconditions** |  | Open item: GAP+ and GAP - |
|  |  |  |

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| --- | --- | --- |
| **Name** |  | Adjust Gap |
| **Purpose** |  | Adjust follow gap between your vehicle and the vehicle in front of your vehicle. |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Gap setting is displayed on the cluster |
|  | P3 | Cruise control is on or in standby |
|  | P4 |  |
|  | P5 |  |
|  | P6 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the gap button |
|  | M2 | Gap decreases by one increment |
|  | M3 | HMI updates gap distance |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 | User presses the gap button when gap is at its minimum. |
|  | A2 | Gap increases to its maximum. |
| **Exceptional Flow 1** |  |  |
|  |  |  |
| **Postconditions** |  | Open item: GAP+ and GAP- |
|  |  |  |

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| --- | --- | --- |
| **Name** |  | Digital Assistant |
| **Purpose** |  | Activate/Deactivate digital assistant verbal interface. |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Push to talk control option displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
| **Main Flow** | M1 | User presses the Digital Assistant control button on the steering wheel switch pack. |
|  | M2 | HMI updates to Digital Assistant on. Is there a telltale? |
|  | M3 | SHC initiates Digital assistant |
|  | M4 | Digital Assistant is removed after XX seconds of inactivity. |
|  | M5 | HMI updates to Digital Assistant off. Is there a telltale? |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  | While active: User presses the Digital Assistant Control button |
|  |  | Digital assistant deactivates |
|  |  | HMI updates to Digital Assistant off. Is there a telltale? |
|  |  |  |
|  |  |  |
| **Exceptional Flow 1** |  | Open Item: Is there a telltale? |
|  |  |  |
| **Postconditions** |  |  |

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| --- | --- | --- |
| **Name** |  | Answer incoming call |
| **Purpose** |  | Answer an incoming call though vehicle Bluetooth. |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Incoming call |
|  | P3 | Has Priority |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | Incoming call information is displayed for user. |
|  | M2 | Accept and Reject options are presented to the user. |
|  | M3 | User presses the “Answer” button. |
|  | M4 | Call is answered and connected though vehicle audio. |
|  | M5 | HMI Updates to Call Active Is there a telltale? |
|  | M6 | Call information is removed after 8 seconds (digital switch). |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** |  | Open Item: Is there a telltale? |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Reject incoming call |
| **Purpose** |  | Reject an incoming call |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Incoming call |
|  | P3 | Has priority |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | Incoming call information is displayed for user. |
|  | M2 | Accept and reject options are presented to the user. |
|  | M3 | User presses the “Hang Up” button. |
|  | M4 | Call is rejected. |
|  | M5 | HMI updates to rejected call display |
|  | M6 | Call information is removed |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  | Incoming call times out. Call is rejected |
| **Exceptional Flow 1** |  | Call information is removed |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Call ends |
| **Purpose** |  | End the current phone call. |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Has Priority. |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | Used presses the Hang Up button. |
|  | M2 | Phone call ends |
|  | M3 | Call ended information’s is displayed to the user |
|  | M4 | Call information is removed after 4 seconds. |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  | **Call ends without user input. Ended from the other end or call dropped.** |
| **Exceptional Flow 1** |  |  |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Increase call volume |
| **Purpose** |  | Increase call volume |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Call volume is not at maximum. |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the volume + button |
|  | M2 | Call volume increases by one interval |
|  | M3 | Call volume is displayed |
|  | M4 | Volume display is removed after 4 seconds. |
|  | M5 |  |
|  | M6 |  |
| **Alternative Flow 1** | A1 | User presses the Vol + button and holds it down |
|  | A2 | Call volume increments by one. |
|  | A3 | Call Volume I displayed |
|  | A4 | After 500 ms, every 100 milliseconds volume increases by one |
|  | A5 | After every 100 milliseconds cluster updates volume display |
|  | A6 | User releases the Vol + button |
|  | A7 | Cluster volume is removed from display after 4 seconds of inactivity |
|  |  |  |
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| --- | --- | --- |
| **Name** |  | Decrease call volume |
| **Purpose** |  | Decrease call volume |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Call volume is not at minimum |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the volume - button |
|  | M2 | Call volume decreases by one interval |
|  | M3 | Call volume is displayed |
|  | M4 | Volume display is removed after 4 seconds |
|  | M5 |  |
| **Alternative Flow 1** | A1 | User presses the Vol - button and holds it down |
|  | A2 | Call volume decreases by one. |
|  | A3 | Cluster displays call volume |
|  | A4 | After 500 ms, every 100 milliseconds volume decreases by one |
|  | A5 | After every 100 milliseconds cluster updates call volume |
|  | A6 | User releases the Vol + button |
|  | A7 | Cluster volume is removed from display after 4 seconds of inactivity |
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| --- | --- | --- |
| **Name** |  | Mute call |
| **Purpose** |  | Mute users’ phone |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Call not muted |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the mute button |
|  | M2 | Users call is muted |
|  | M3 | Call mute is displayed on call information |
|  | M4 | Mute is removed after 4 seconds. |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Unmute call |
| **Purpose** |  | Unmute users’ phone |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Call muted |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the mute button |
|  | M2 | Users call is unmuted |
|  | M3 | Call mute is removed from the displayed call information |
|  | M4 | Mute is removed after 4 seconds |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Transfer call to phone |
| **Purpose** |  | Transfer call audio from vehicle to the paired phone |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Vehicle audio in use for call on paired phone. |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the transfer button |
|  | M2 | Audio is transferred from vehicle to phone. |
|  | M3 | Transfer Call is removed after 4 seconds |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  |  |  |
| **Postconditions** |  |  |
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| --- | --- | --- |
| **Name** |  | Transfer call to vehicle |
| **Purpose** |  | Transfer call audio from phone to vehicle |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Call Active |
|  | P3 | Vehicle audio not in use for call on paired phone. |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the transfer button |
|  | M2 | Audio is transferred from phone to vehicle. |
|  | M3 | Transfer Call is removed after 4 seconds |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  |  |  |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Radio Volume up |
| **Purpose** |  | Increase radio volume |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Radio Controls displayed to user |
|  | P3 | Infotainment Audio system status: ON |
|  |  |  |
| **Main Flow** | M1 | User presses and releases the Vol + button |
|  | M2 | Radio volume increments by one. |
|  | M3 | Cluster displays volume setting |
|  | M4 | Cluster volume is removed from display after 4 seconds of inactivity |
|  |  |  |
| **Alternative Flow 1** | A1 | User presses the Vol + button and holds it down |
|  | A2 | Radio volume increments by one. |
|  | A3 | Cluster displays volume setting |
|  | A4 | After 500 ms, every 100 milliseconds volume increases by one |
|  | A5 | After every 100 milliseconds cluster updates volume display |
|  | A6 | User releases the Vol + button |
|  | A7 | Cluster volume is removed from display after 4 seconds of inactivity |
|  |  |  |
|  |  |  |
| **Exceptional Flow 1** | E1 | E: Held and audio goes off. |
|  |  | HMI updates to Audio off digital control |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Radio Volume down |
| **Purpose** |  | Decrease radio volume |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled; Ign = Run (HMI active, batt drain, Brian Atherton) |
|  | P2 | Radio Controls displayed to user |
|  | P3 | Infotainment Audio system status: ON (checking status reported: Matt Dage) |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the Vol - button |
|  | M2 | Radio volume decrements by one. |
|  | M3 | Cluster displays volume setting |
|  | M4 | Cluster volume is removed from display after 4 seconds of inactivity |
|  | M5 |  |
| **Alternative Flow 1** | A1 | User presses the Vol - button and holds it down |
|  | A2 | Radio volume decrements by one. |
|  | A3 | Cluster displays volume setting |
|  | A4 | After 500ms, every 100 milliseconds volume decreases by one |
|  | A5 | After every 100 milliseconds cluster updates volume display |
|  | A6 | Cluster volume is removed from display after 4 seconds of inactivity |
|  |  |  |
|  |  |  |
| **Exceptional Flow 1** | E1 | Interrupt by higher priority use case |
|  |  |  |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Seek Left (Ty Murry: AM/FM, ?: Serious, : DAB) |
| **Purpose** |  | Seek media track down |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Media Controls displayed to user |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the seek left button |
|  | M2 | Cluster displays track information |
|  | M3 | Media seeks for a clear track downward. |
|  | M4 | Media information is removed from cluster after 4 seconds of inactivity |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 | Open Item: Digital input use cases and |
|  |  | Interrupt by higher priority use case |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Seek Right |
| **Purpose** |  | Seek radio stations right |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Media Controls displayed to user |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the seek right button |
|  | M2 | Cluster displays track information |
|  | M3 | Media seeks for a clear track upward |
|  | M4 | Media information is removed from cluster after 4 seconds of inactivity |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  |  |  |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Driver accommodation |
| **Purpose** |  | Display driver accommodation options available |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 |  |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the driver accommodation button |
|  | M2 | Cluster displays the menu of available driver accommodation features |
|  | M3 | Accommodation Menu is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 | 4 second timeout |
|  |  |  |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Back to media control |
| **Purpose** |  | Return to Media controls |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Driver accommodation menu displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the back button |
|  | M2 | Cluster displays the media control |
|  | M3 | Media Controls are removed from cluster after 4 seconds of inactivity |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
| **Exceptional Flow 1** | E1 | After 10 seconds inactivity display hides controls |
|  |  |  |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Mirror Fold/Unfold |
| **Purpose** |  | Fold/Unfold external mirrors |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled; IGN = Run, delayed? |
|  | P2 | Mirror controls are displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the mirror fold/unfold button |
|  | M2 | Vehicle folds/unfolds external mirrors |
|  | M3 | Accommodation Menu is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 | After 10 seconds inactivity display hides controls |
|  |  |  |
| **Postconditions** |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Display Right Mirror control |
| **Purpose** |  | Display controls for adjustment of the right external mirror |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Driver accommodation menu displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the right mirror control button |
|  | M2 | Cluster displays right mirror controls |
|  | M3 | After 10 seconds inactivity cluster hides controls (return to media on re-wake up) |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 | User presses the left mirror control button |
|  | E2 | User presses the switch mirror button |
|  | E3 | After 10 seconds inactivity cluster hides controls |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Display Left Mirror control |
| **Purpose** |  | Display controls for adjustment of the left external mirror |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Driver accommodation menu displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the left mirror control button |
|  | M2 | Cluster displays left mirror controls |
|  | M3 | After 10 seconds inactivity cluster hides controls (return to media on re-wake up) |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 | User presses the right mirror control button |
|  | E2 | User presses the switch mirror button |
|  | E3 | After 10 seconds inactivity cluster hides controls |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust left mirror up |
| **Purpose** |  | Adjustment of left mirror up |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Left mirror adjustment controls displayed |
|  | P3 | Left mirror not at limit of its movement upward |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the up button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The left external mirror adjusts upwards |
|  | M4 | User releases the button |
|  | M5 | The left external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
| **Exceptional Flow 1** | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust left mirror down |
| **Purpose** |  | Adjustment of left mirror down |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Left mirror adjustment controls displayed |
|  | P3 | Left mirror not at limit of its movement downward |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the down button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The left external mirror adjusts downwards |
|  | M4 | User releases the button |
|  | M5 | The left external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust left mirror left |
| **Purpose** |  | Adjustment of left mirror left |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Left mirror adjustment controls displayed |
|  | P3 | Mirror not at its Limit leftward |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the left button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The left external mirror adjusts left |
|  | M4 | User releases the button |
|  | M5 | The left external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust left mirror right |
| **Purpose** |  | Adjustment of left mirror right |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Left mirror adjustment controls displayed |
|  | P3 | Mirror not at its limit rightward |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the right button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The left external mirror adjusts right |
|  | M4 | User releases the button |
|  | M5 | The left external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust right mirror up |
| **Purpose** |  | Adjustment of right mirror up |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Right mirror adjustment controls displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the up button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The right external mirror adjusts upwards |
|  | M4 | User releases the button |
|  | M5 | The right external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust right mirror down |
| **Purpose** |  | Adjustment of right mirror down |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Right mirror adjustment controls displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the down button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The right external mirror adjusts downwards |
|  | M4 | User releases the button |
|  | M5 | The right external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust left mirror right |
| **Purpose** |  | Adjustment of left mirror right |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Right mirror adjustment controls displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the left button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The right external mirror adjusts left |
|  | M4 | User releases the button |
|  | M5 | The right external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 | User presses and holds the left button |
|  | A2 | Cluster updated to indicate the button is held |
|  | A3 | The right external mirror adjusts left |
|  | A4 | The mirror reaches the limit of its movement. |
|  | A5 | The right external mirror stops moving |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust right mirror right |
| **Purpose** |  | Adjustment of right mirror right |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Right mirror adjustment controls displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the right button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The right external mirror adjusts right |
|  | M4 | User releases the button |
|  | M5 | The right external mirror stops moving |
|  | M6 | Left Mirror is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 | User presses and holds the right button |
|  | A2 | Cluster updated to indicate the button is held |
|  | A3 | The right external mirror adjusts right |
|  | A4 | The mirror reaches the limit of its movement. |
|  | A5 | The right external mirror stops moving |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Display Pedal Adjustment Controls |
| **Purpose** |  | Display controls for gas and brake pedal adjustment |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Driver accommodation menu displayed |
|  | P3 | Power Pedal Adjustment available |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the pedal adjustment button |
|  | M2 | Cluster displays pedal adjustment controls |
|  | M3 | After 10 seconds inactivity cluster hides controls (return to media on re-wake up) |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  | E2 |  |
|  | E3 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust pedals up |
| **Purpose** |  | Adjustment of pedals up |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Pedal adjustment controls displayed |
|  | P3 | Pedals not at their limit to their maximum upwards position. |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the up button |
|  | M2 | Cluster updates to indicate the button is held |
|  | M3 | The pedals move upwards |
|  | M4 | User releases the button |
|  | M5 | The pedals stop moving |
|  | M6 | Cluster updates to indicate the button is released |
|  | M7 | Pedal Adjust is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust pedals down |
| **Purpose** |  | Adjustment of pedals down |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Pedal adjustment controls displayed |
|  | P3 | Pedals not at their maximum downward position. |
|  | P4 | Power Pedal Adjustment available |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the down button |
|  | M2 | Cluster updates to indicate the button is held |
|  | M3 | The pedals move downwards |
|  | M4 | User releases the button |
|  | M5 | The pedals stop moving |
|  | M6 | Cluster updates to indicate the button is released |
|  | M7 | Pedal Adjust is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Display Steering Wheel adjustment control |
| **Purpose** |  | Display controls for adjustment of the steering wheel |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Driver accommodation menu displayed |
|  | P3 | Power Adjustment steering wheel available |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the steering wheel adjustment button |
|  | M2 | Cluster displays steering wheel adjustment controls |
|  | M3 | After 10 seconds inactivity cluster hides controls (return to media on wakeup) |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  | E2 |  |
|  | E3 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust steering wheel up |
| **Purpose** |  | Adjustment of steering wheel up |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled – IGN =Run |
|  | P2 | Steering wheel adjustment controls displayed |
|  | P3 | Steering not at limit of its maximum upward position |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the up button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The steering wheel adjusts upwards |
|  | M4 | User releases the button |
|  | M5 | The steering wheel stops moving |
|  | M6 | Cluster updates to indicate the button is released |
|  | M7 | Steering Adjust is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
| **Exceptional Flow 1** | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust steering wheel down |
| **Purpose** |  | Adjustment of steering wheel down |
| **Actors** |  | Driver |
| **Precondition** | P1 | SHC enabled |
|  | P2 | Steering wheel adjustment controls displayed |
|  | P3 | Steering not at limit of its maximum downward position |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the down button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The steering wheel adjusts downward |
|  | M4 | User releases the button |
|  | M5 | The steering wheel stops moving |
|  | M6 | Cluster updates to indicate the button is released |
|  | M7 | Steering Adjust is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
| **Exceptional Flow 1** | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust steering wheel left |
| **Purpose** |  | Adjustment of steering wheel left |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Steering wheel adjustment controls displayed |
|  | P3 | Steering not at limit of its maximum leftward position |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the left button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The steering wheel adjusts leftwards |
|  | M4 | User releases the button |
|  | M5 | The steering wheel stops moving |
|  | M6 | Cluster updates to indicate the button is released |
|  | M7 | Steering Adjust is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
|  | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Adjust steering wheel right |
| **Purpose** |  | Adjustment of steering wheel right |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Steering wheel adjustment controls displayed |
|  | P3 | Steering not at limit of its maximum rightward position |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses and holds the right button |
|  | M2 | Cluster updated to indicate the button is held |
|  | M3 | The steering wheel adjusts rightwards |
|  | M4 | User releases the button |
|  | M5 | The steering wheel stops moving |
|  | M6 | Cluster updates to indicate the button is released |
|  | M7 | Steering Adjust is removed from cluster after 10 seconds of inactivity (return to media on re-wake up) |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** | A1 |  |
| **Exceptional Flow 1** | A2 |  |
|  | A3 |  |
|  | A4 |  |
|  | A5 |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Back to driver accommodation menu |
| **Purpose** |  | Display driver accommodation options available |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Any of the driver accommodation controls displayed |
|  | P3 |  |
|  | P4 |  |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the driver accommodation button |
|  | M2 | Cluster displays the menu of available driver accommodation features |
|  | M3 |  |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  | E2 |  |
|  | E3 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Speed limiter on |
| **Purpose** |  | Turn on speed limiter |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Speed limiter available |
|  | P3 | Cruise control controls displayed |
|  | P4 | Speed limiter off |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the Speed limiter button |
|  | M2 | Speed limiter turns on |
|  | M3 |  |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  | E2 |  |
|  | E3 |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Name** |  | Speed limiter off |
| **Purpose** |  | Turn off speed limiter |
| **Actors** |  | Driver |
| **Precondition** | P1 | SCH enabled |
|  | P2 | Speed limiter available |
|  | P3 | Cruise control controls displayed |
|  | P4 | Speed limiter on |
|  |  |  |
|  |  |  |
| **Main Flow** | M1 | User presses the Speed limiter button |
|  | M2 | Speed limiter turns off |
|  | M3 |  |
|  | M4 |  |
|  | M5 |  |
|  | M6 |  |
|  | M7 |  |
|  | M8 |  |
|  | M9 |  |
|  |  |  |
| **Alternative Flow 1** |  |  |
| **Exceptional Flow 1** | E1 |  |
|  | E2 |  |
|  | E3 |  |
|  |  |  |

Considerate prompts / warnings use cases

Priority of warnings / switch controls