

# Installation manual

## SmartControl 2 Chrysler Pacifica 2017 2040888700



Latest update: 16 May 2023

### Safety instructions

- Installation of this product should only be executed by qualified personnel equipped with the right tools.
- Always follow the car manufacturer's instructions when removing parts from the vehicle.
- Make sure that the delivered product and manuals corresponds with the installation vehicle.
- Read this manual completely before starting with the installation.
- Keep the negative terminal of the battery disconnected during the whole installation.
- Ensure that your solder connections are sound and insulate them well.
- Make all connections according to the pin number in the wiring diagram. Wire colors may differ.
- Do not extend the equipped CAN-bus and LIN-bus wires.



**To prevent possible overheating or fire never connect a thin wire to a thicker one without securing it with a suitable fuse.**



**In this product European wire colours were used:**

**RED** = HOT AT ALL TIMES  
**BROWN** = GROUND  
**BLACK** = HOT AT IGNITION ON

**By following this installation guide, the following checked functions are adapted:**

Low beam	Horn	Fog lights
High beam	Wiper interval/auto	Hazard flasher
Flash to pass	Wiper 1st speed	Rear wiper
Right turn signal	Wiper 2nd speed	Rear washer
Left turn signal	Front washer	Cruise control

\*If desired, please contact Bever Mobility Products for the possibilities on adapting other functions in this vehicle.

**The following information is obtained by SmartControl from the CAN or LIN bus in the vehicle:**

Steering angle	Ignition on/off	Gear in park
Brake light on/off	Dipped beam on/off	

### Note:

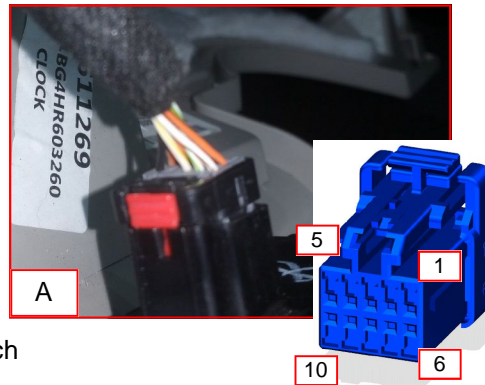
The connections on relay 1 and 2 in this manual are optional and can be used to read the park signal for SmartBrake or other auxiliary brake systems. If no auxiliary brake system is fitted to the car, the connections are not needed.

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Bever Mobility Products inc.

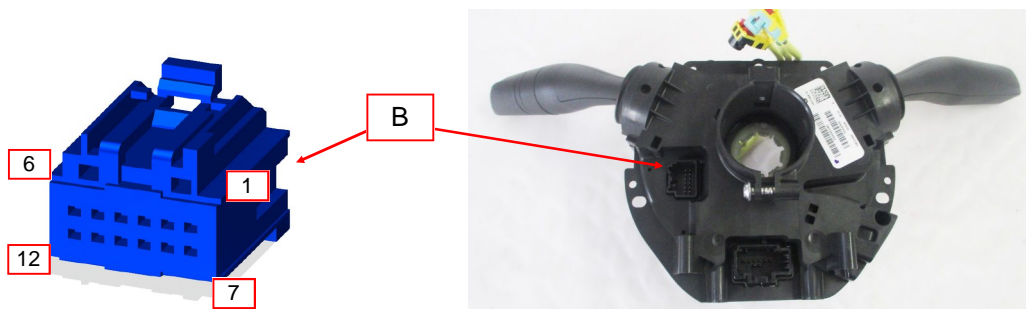
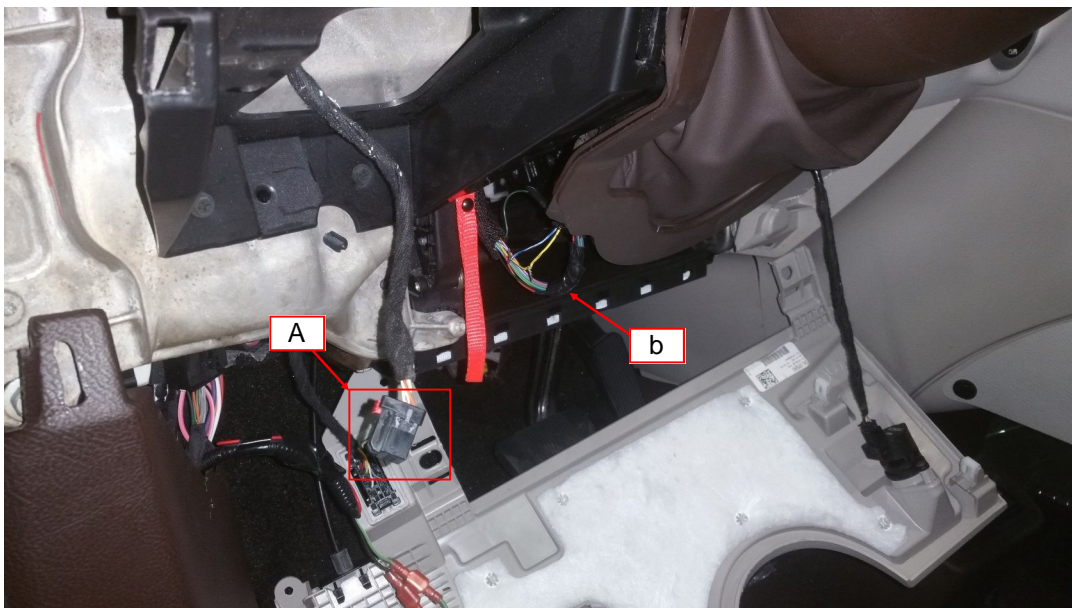
## Instructions

1. Disconnect the negative terminal of the battery.
2. Adjust the steering column to the full tilt down position and to the full telescopic out position.
3. Remove the lower dashboard panel holding the headlight switch to get access to connector A and B.



A: 10 Pin black connector in the head light switch

4. Locate the cable loom (b) under the steering column shroud that runs from the vehicle towards connector B in the steering column switch module. Connector B is accessed here.
5. Remove the isolation surrounding the the loom to get access to the wires.

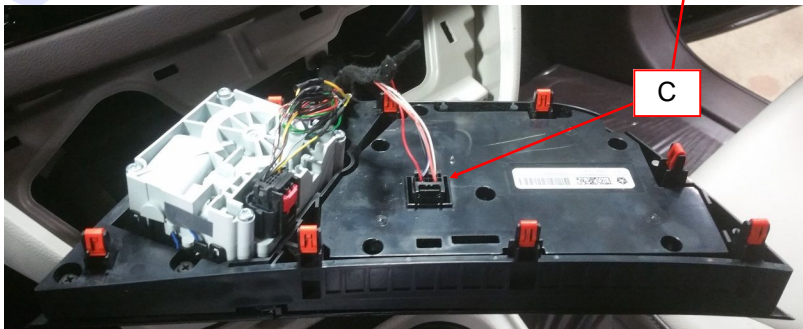
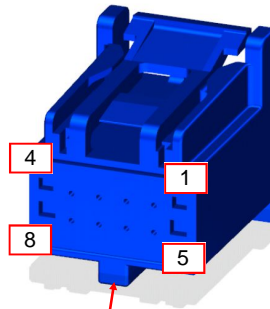


B: 12 Pin black connector in the steering column module

### Note

The CAN-bus wires (B 4 Blue/white and B 2 Yellow) should be a twisted pair in the loom(b)

- If the hazard lights needs to be adapted, remove the center console control panel to get access to connector C.

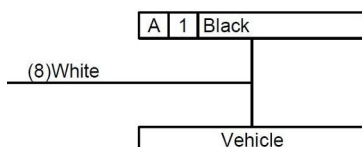


C: 8 Pin black connector in the center console control panel

- Mount the SmartControl control unit in a suitable location in the interior of the vehicle.
- Connect SmartControl in the vehicle according to included wiring diagrams on the next pages.
- Notice that connector A and B are already mounted on the relay cables.
- Reconnect all connectors and reinstall covers in reverse order of removal.
- Reconnect the negative terminal of the battery and test the product.

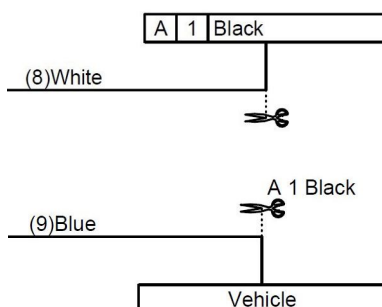
#### Connection examples

##### Example 1:



A 1 Black is an original wire in the vehicle that runs from connector A, pin 1 into the cable tree in the vehicle. In this example the white wire should be connected to the black wire.

##### Example 2:



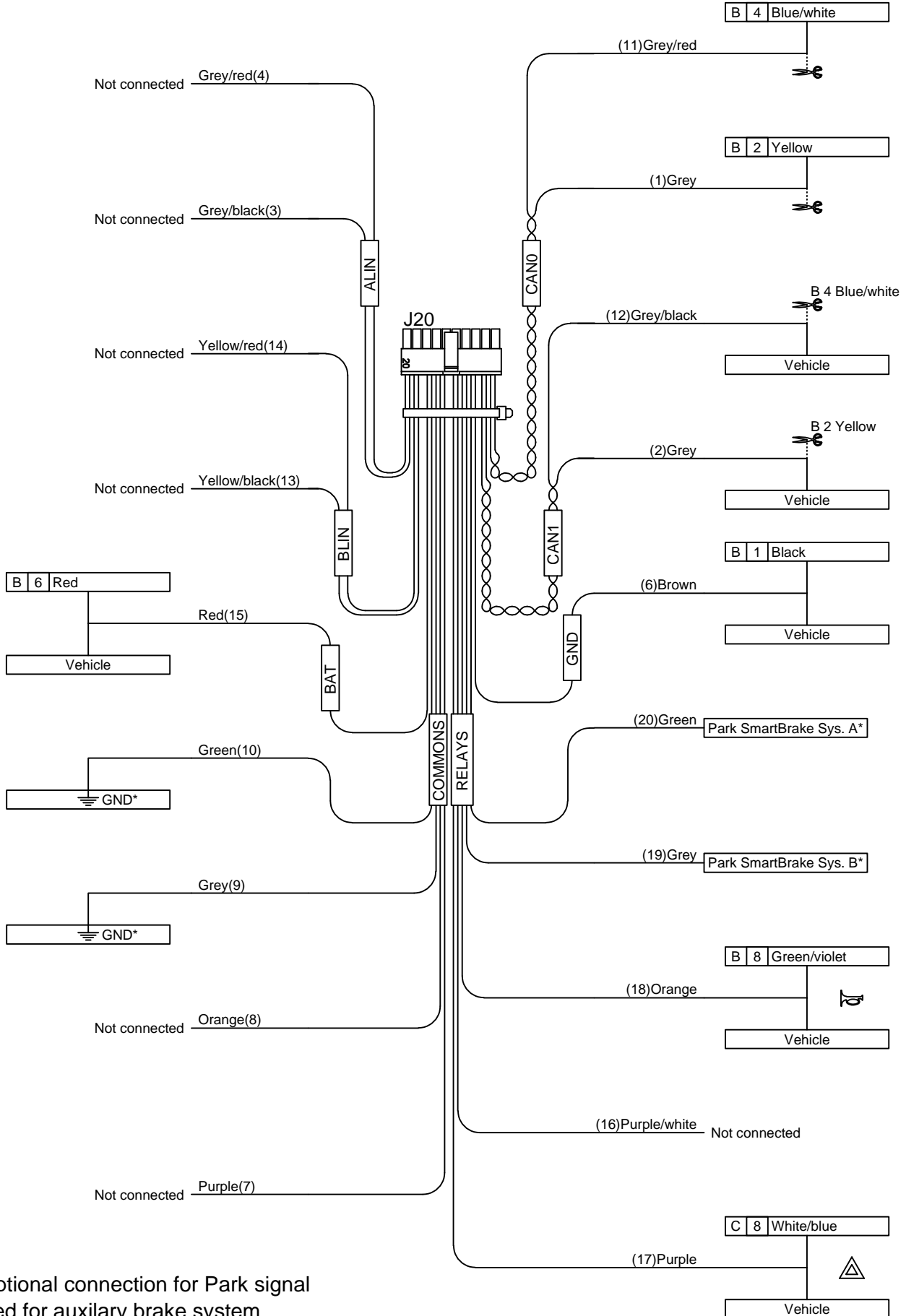
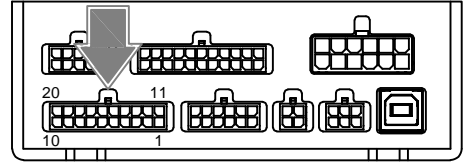
In this example the black wire coming from the connector is cut. The part that comes from the connector A is connected to the white wire.

The part of the black wire that goes into the vehicle is connected to the blue wire.

Connector:

B	12 Pin black connector in the steering column module
C	8 Pin black connector in the center console control panel

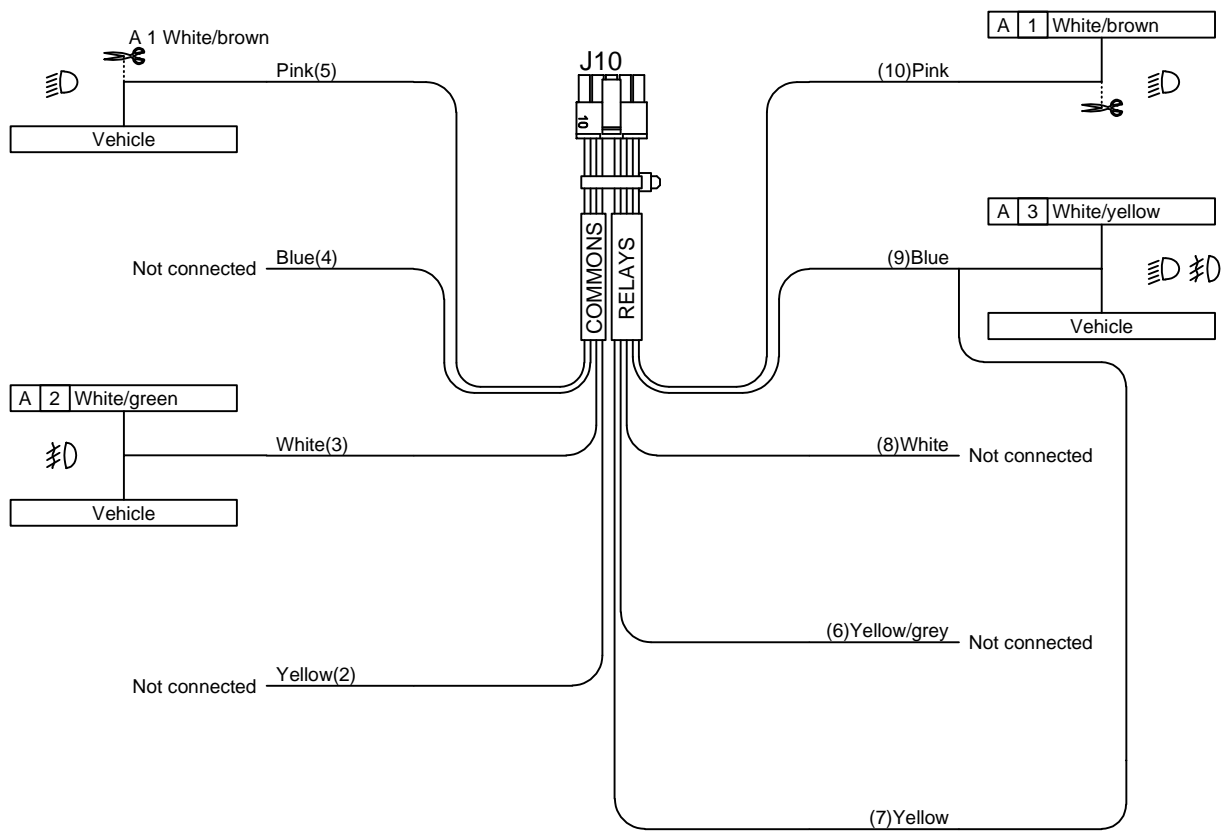
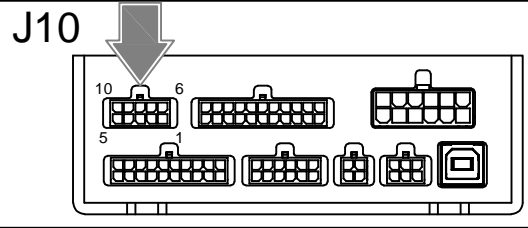
J20



\* Optional connection for Park signal used for auxiliary brake system

Connector:

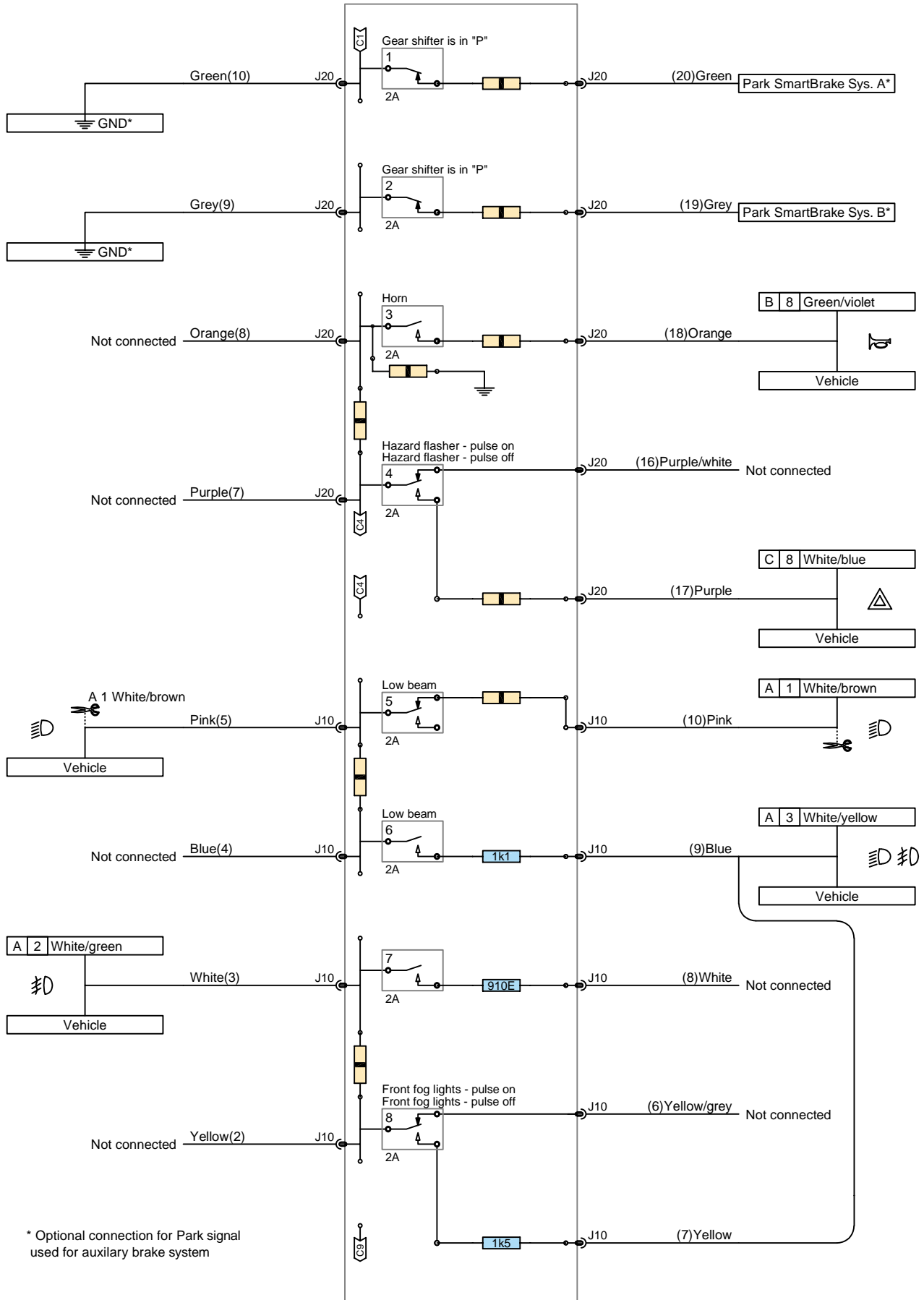
A 10 Pin black connector in the head light switch



# Relays 1-8

Connector:

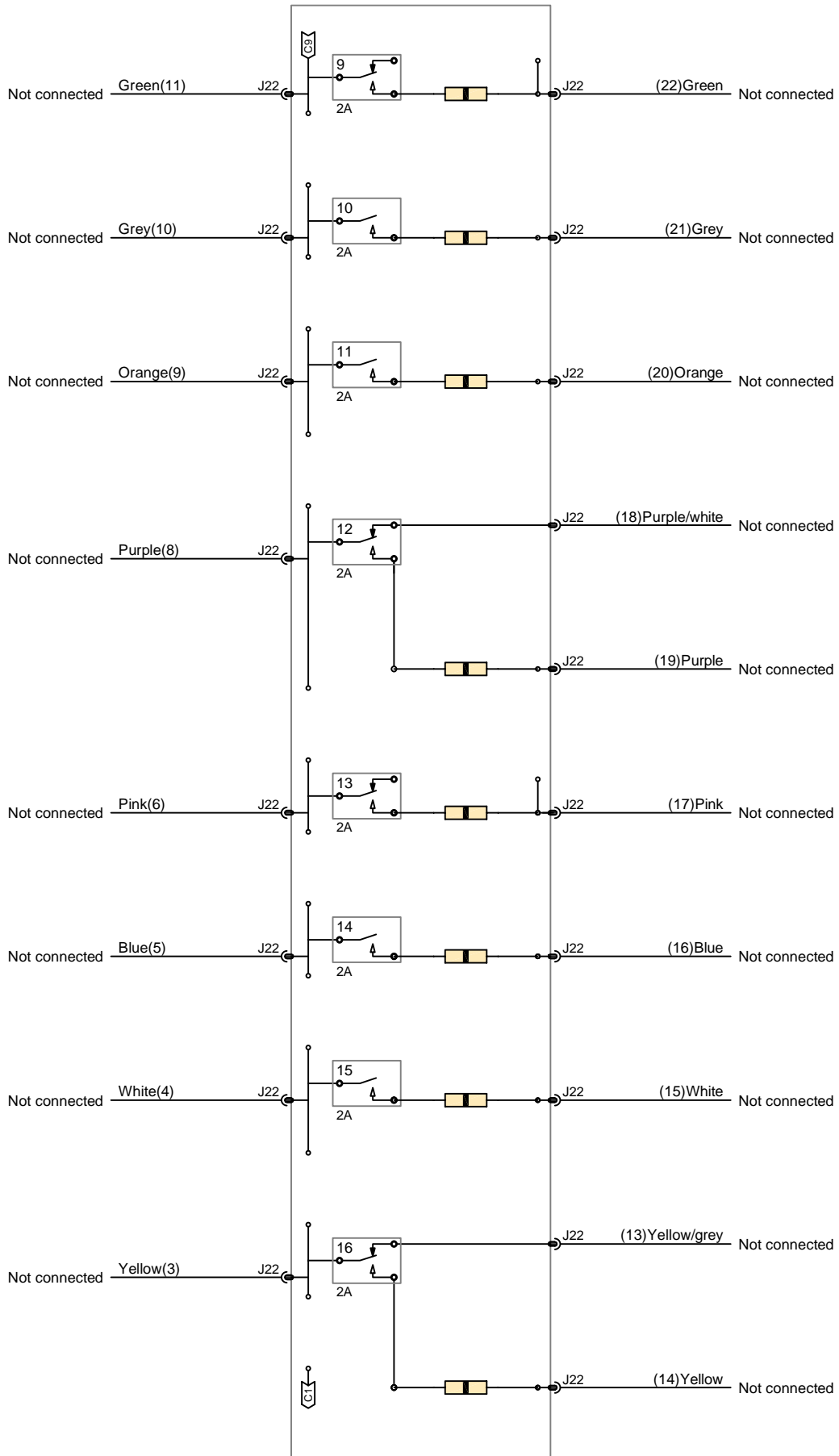
A	10 Pin black connector in the head light switch
B	12 Pin black connector in the steering column module
C	8 Pin black connector in the center console control panel



\* Optional connection for Park signal used for auxiliary brake system

# Relays 9-16

Connector:



# Relays 17-21

Connector:

