

Electical Service Manual

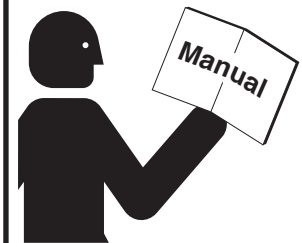
Wheelchair-Accessible Lowered Floor Conversion (Foldout Ramp) featuring 2004 & 2005* **Chrysler Minivans**

*(including some late 2003 conversions)



Because Life is a Moving Experience

⚠ WARNING



Read manual
before servicing.
Failure to do so
may result in
serious bodily
injury and/or
property damage.

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*** Note:** Includes some late 2003 conversions.

**** Note:** Includes up to "0602" conversions.

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SAFETY PRECAUTIONS

Safety Precautions

⚠ WARNING

Read this manual, the conversion's operator's manual and supplements before performing operation, maintenance or service procedures. Failure to do so may result in serious bodily injury and/or property damage.

- ⚠ WARNING** Maintenance and service procedures must be performed only by authorized service personnel.
- ⚠ WARNING** Perform maintenance and lubrication procedures exactly as outlined in the Maintenance and Lubrication Schedule contained in this manual.
- ⚠ WARNING** Perform troubleshooting and service procedures as outlined in this manual and/or service bulletins supplied with replacement parts.
- ⚠ WARNING** Replacement parts must be Braun authorized replacements.
- ⚠ WARNING** Do not attempt to interface aftermarket control systems without authorization from The Braun Corporation.

- ⚠ WARNING** Do not use accessory devices not authorized by The Braun Corporation.
- ⚠ WARNING** Keep clear of area in which the vehicle kneels (lowers).
- ⚠ WARNING** Keep clear of area in which ramp operates.
- ⚠ WARNING** Never modify (alter) a Braun Corporation lowered floor minivan conversion.
- ⚠ WARNING** Do not install a raised top on a Braun Corporation lowered floor minivan conversion.
- ⚠ WARNING** Use of a Braun Corporation lowered floor minivan conversion for towing is prohibited.
- ⚠ WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

BELOW FLOOR OBSTRUCTIONS

2004 & 2005* Chrysler Lowered Floor Minivan (Foldout Ramp) Conversion

When installing an electrical tie-down, power seat or other auxiliary device, obstructions below the floor must be avoided. Obstructions include wiring, fuel system, brake lines, etc. Installers must be aware of these obstructions.

Refer to this illustration when installing aftermarket equipment to avoid contacting or damaging vital components under the floor.

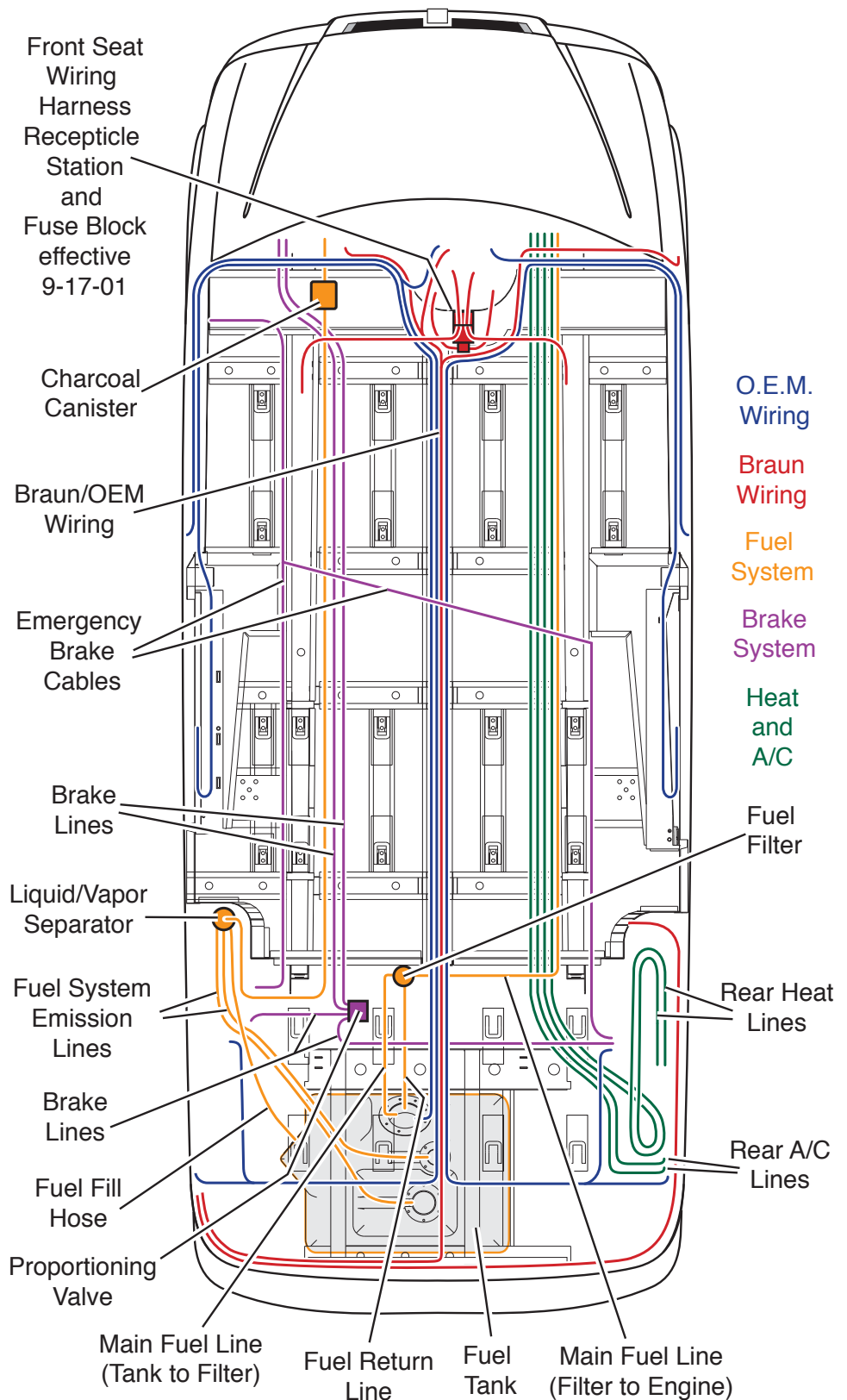
Drilling or cutting into such obstructions may result in potential hazards as well as property damage.

Note: Some wiring harnesses shown may not be present. Avoid all harness locations.

*** Note:** Diagram includes some late 2003 conversions.

⚠ WARNING

Check for obstructions such as wires, gas lines, exhaust, etc. before drilling or cutting through floor. Failure to do so may result in serious bodily injury and/or property damage.



BELOW FLOOR OBSTRUCTIONS

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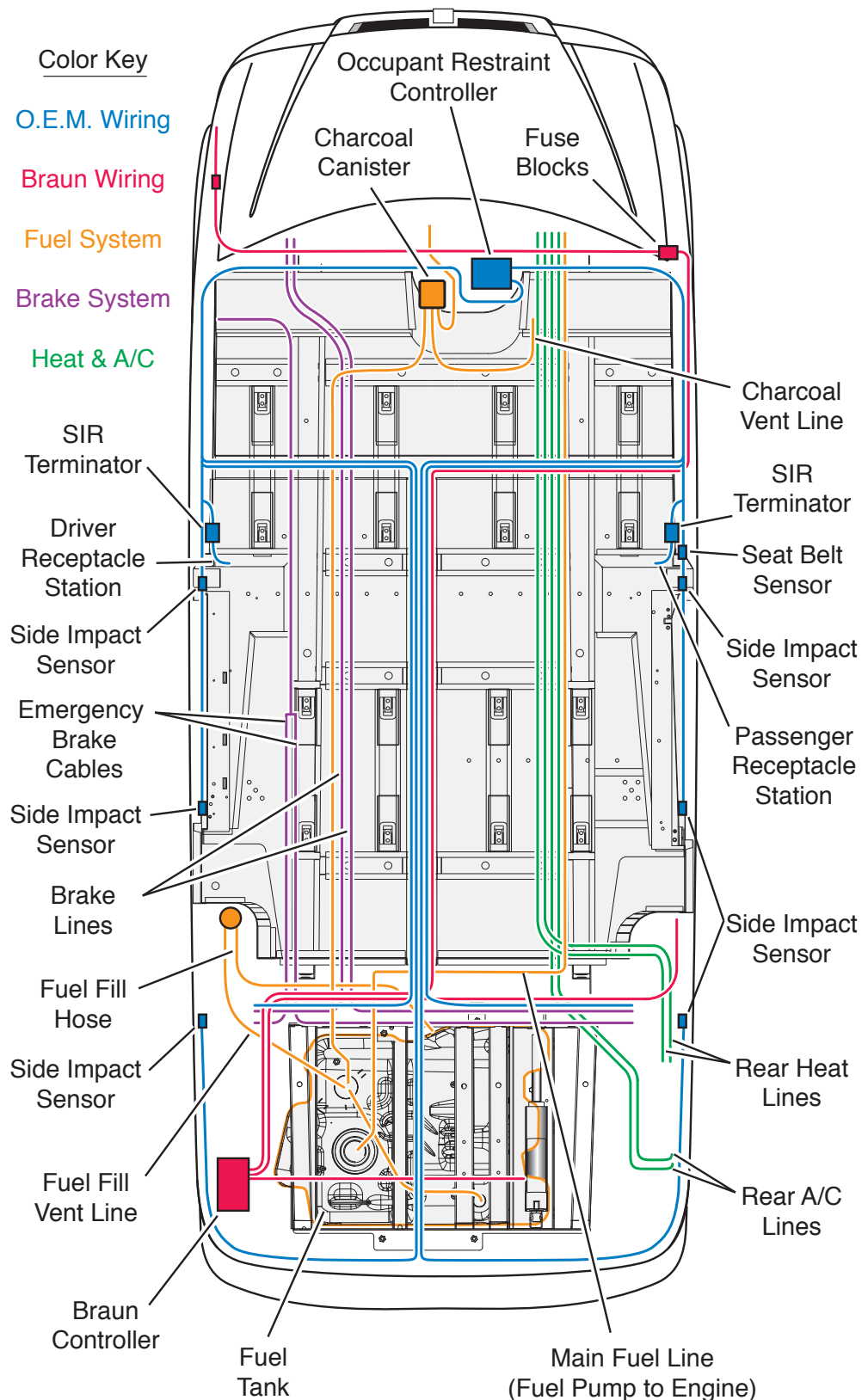
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*** Note:** Diagram includes up to "0602" conversions.

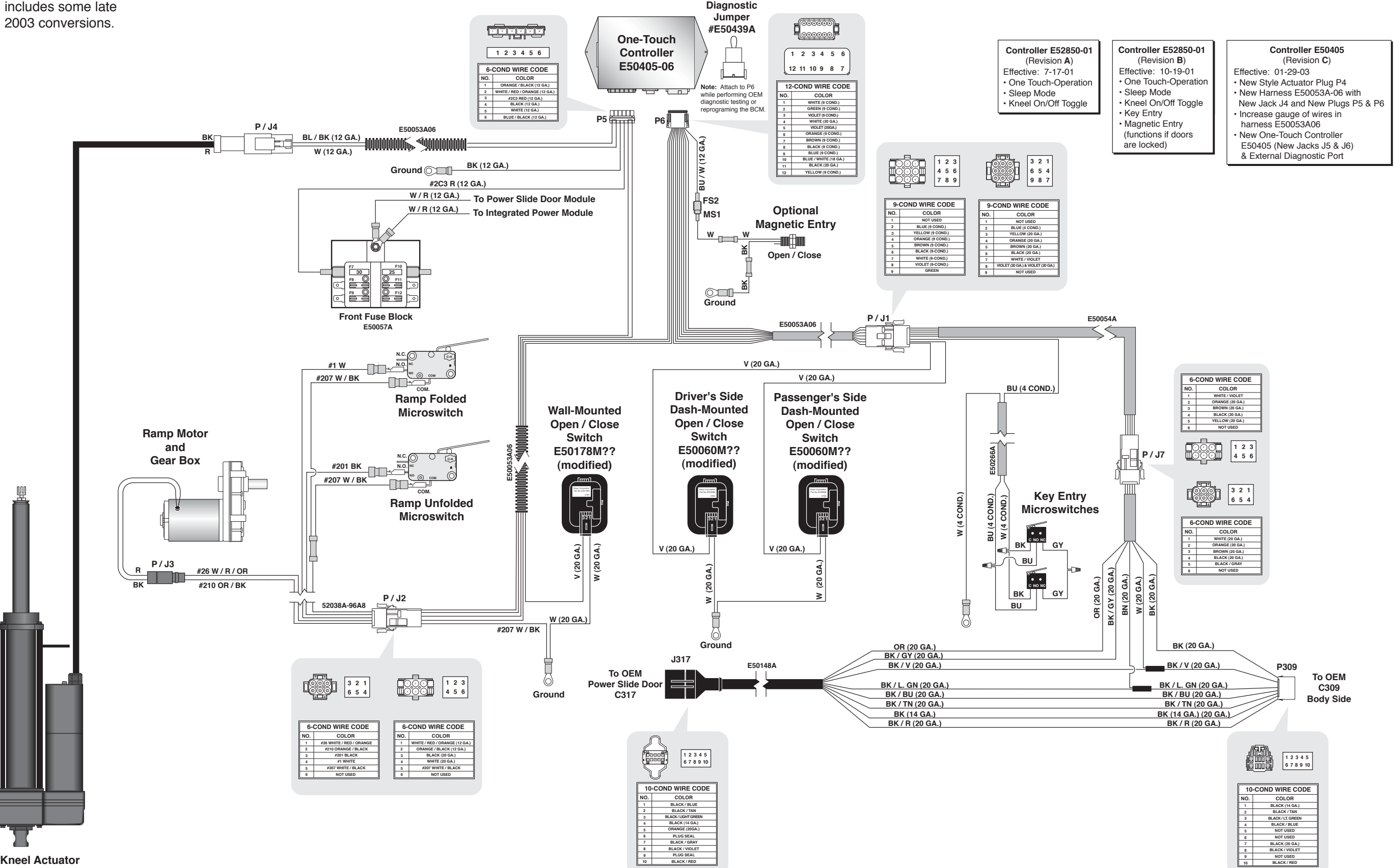
⚠ WARNING

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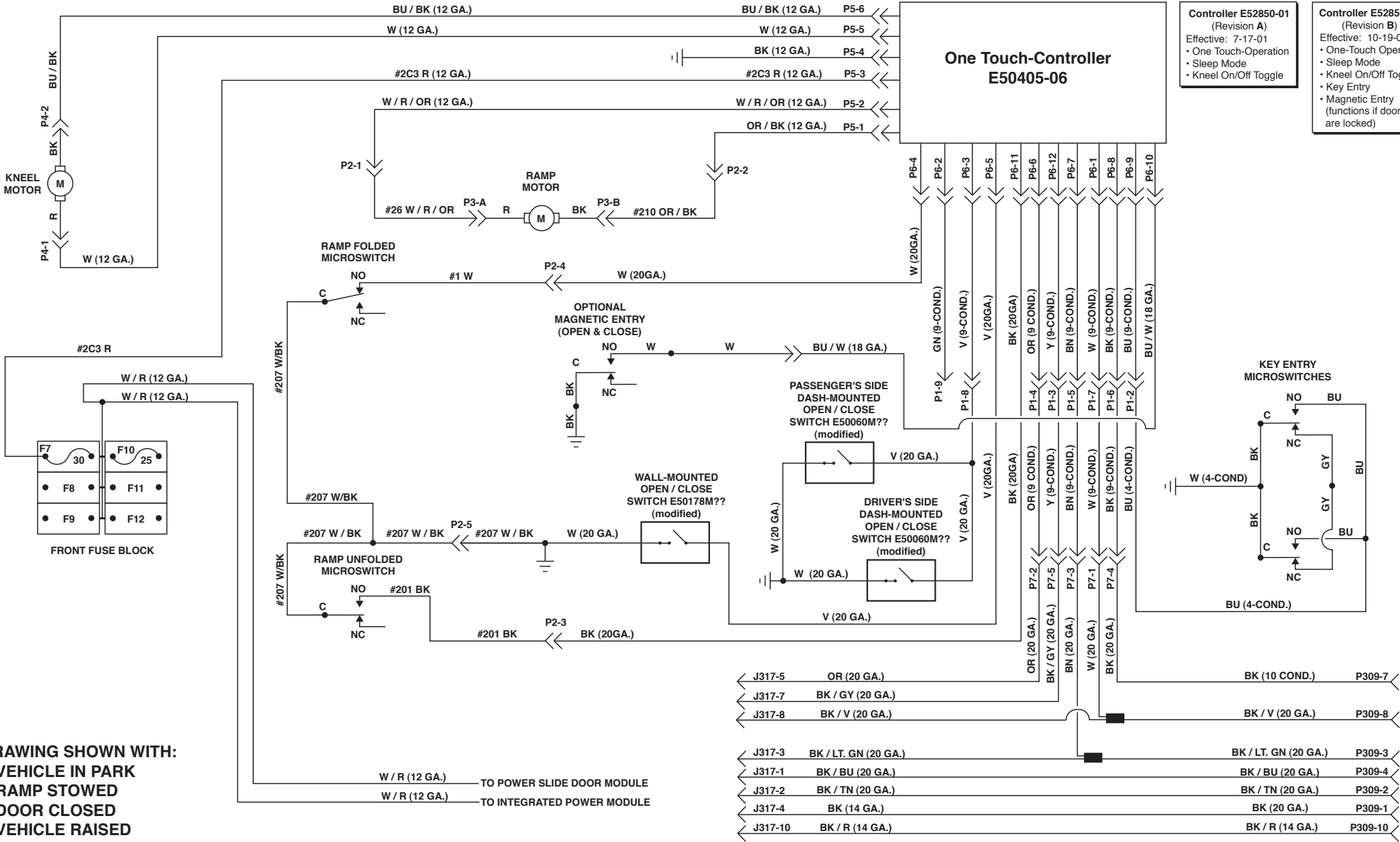
WIRING DIAGRAM - MAIN - OAKTECH CONTROLLER

Note: Diagram includes some late 2003 conversions.



ELECTRICAL SCHEMATIC - MAIN - OAKTECH CONTROLLER

Note: Diagram includes some late 2003 conversions.



DRAWING SHOWN WITH:

- VEHICLE IN PARK
- RAMP STOWED
- DOOR CLOSED
- VEHICLE RAISED

Controller E52850-01
(Revision A)
Effective: 7-17-01

- One Touch-Operation
- Sleep Mode
- Kneel On/Off Toggle

Controller E52850-01
(Revision B)
Effective: 10-19-01

- One-Touch Operation
- Sleep Mode
- Kneel On/Off Toggle
- Key Entry
- Magnetic Entry (functions if doors are locked)

Controller E50405
(Revision C)
Effective: 01-29-03

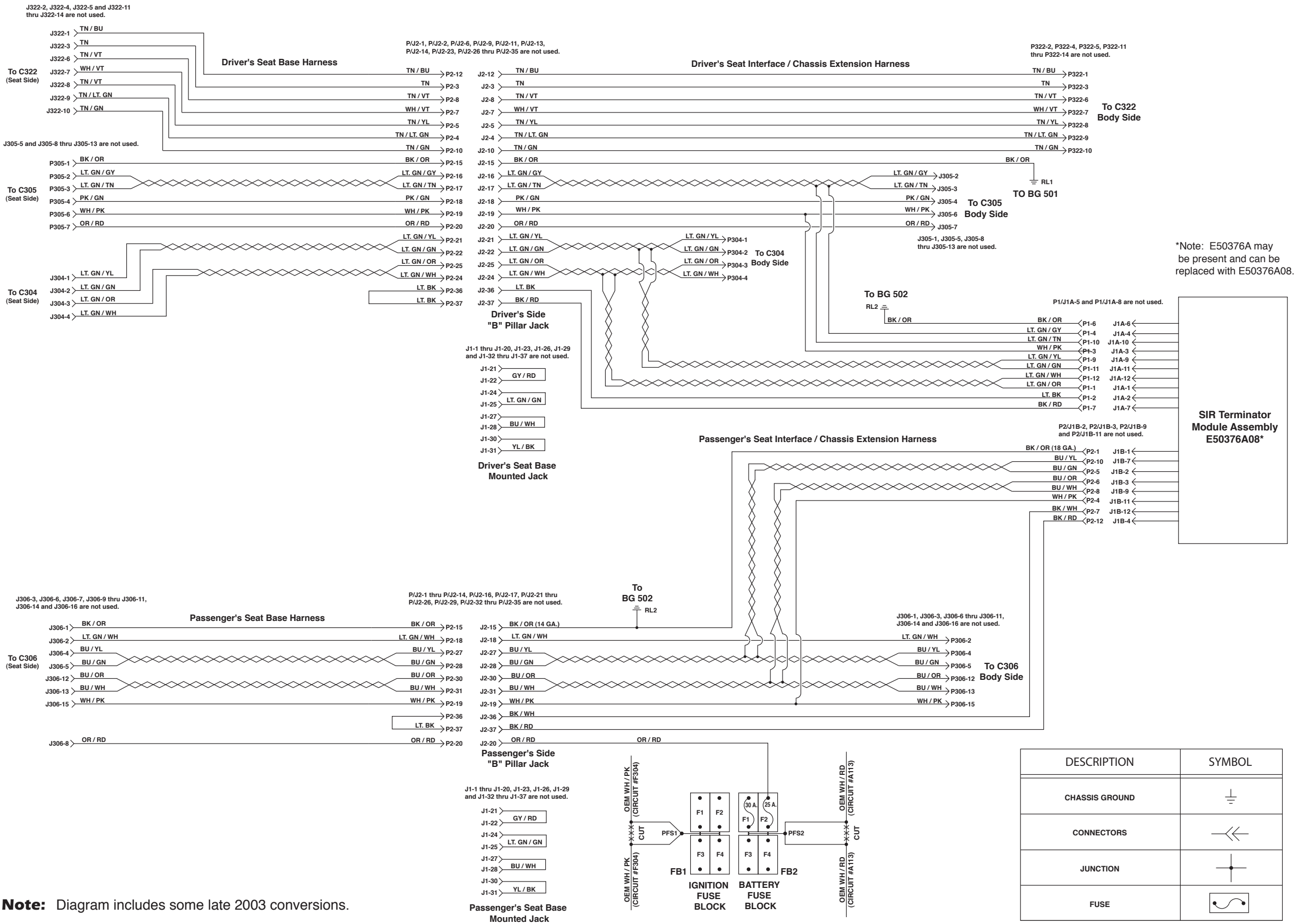
- New Style Actuator Plug P4
- New Harness E50053A-06 with New Jack J4 and New Plugs P5 & P6
- Increase gauge of wires in harness E50053A06
- New One-Touch Controller E50405 (New Jacks J5 & J6) & External Diagnostic Port

DESCRIPTION	SYMBOL
BATTERY	
CHASSIS GROUND	
CIRCUIT BREAKER	
CONNECTORS	
FUSE	
JUNCTION	
MOTOR	
SWITCH	
MICROSWITCH	



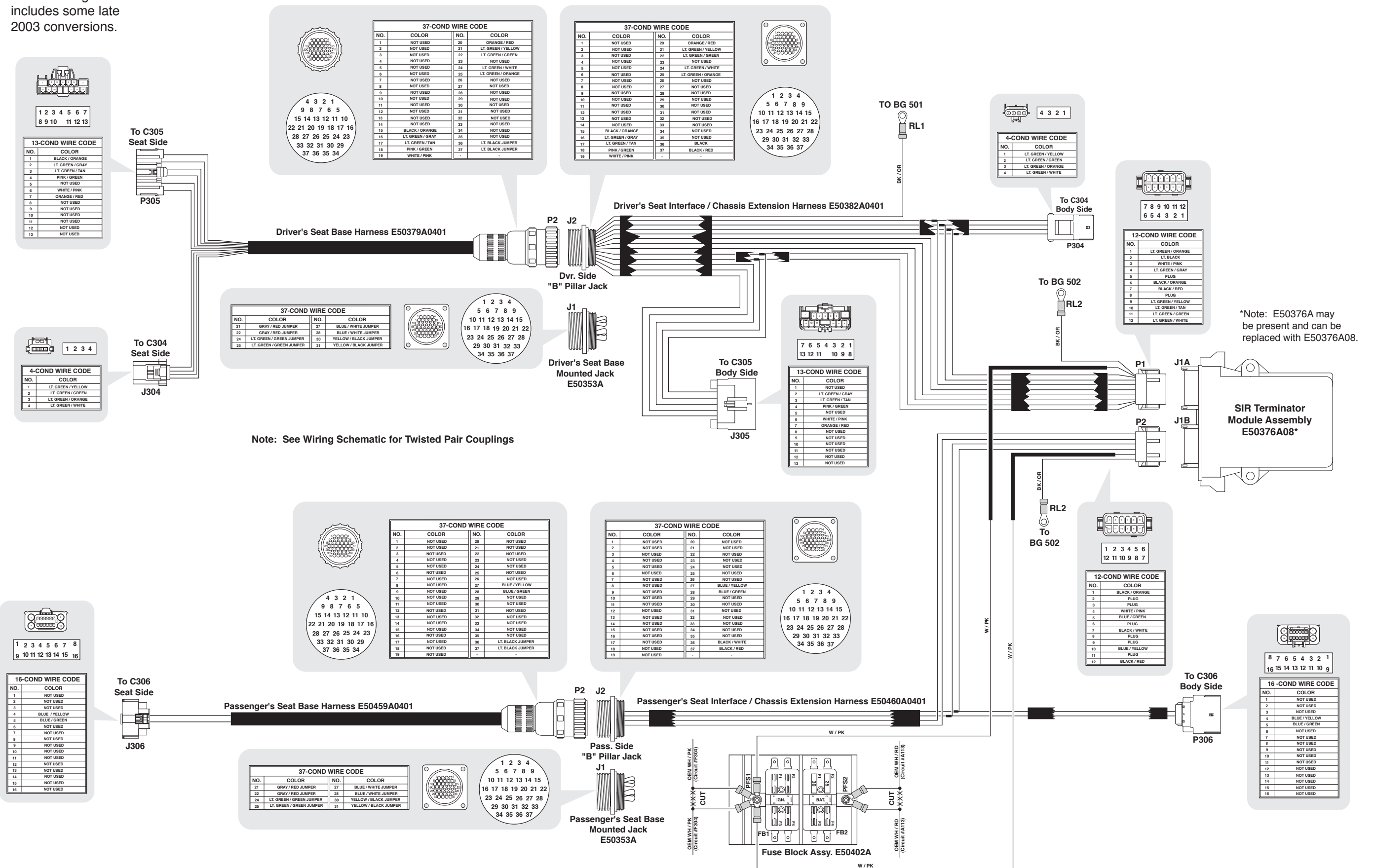
Unfold for:
Wiring Diagram
Front Seat
Driver Power w/ Memory
Passenger Power w/o Memory

ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER POWER w/ MEMORY - PASSENGER POWER w/o MEMORY



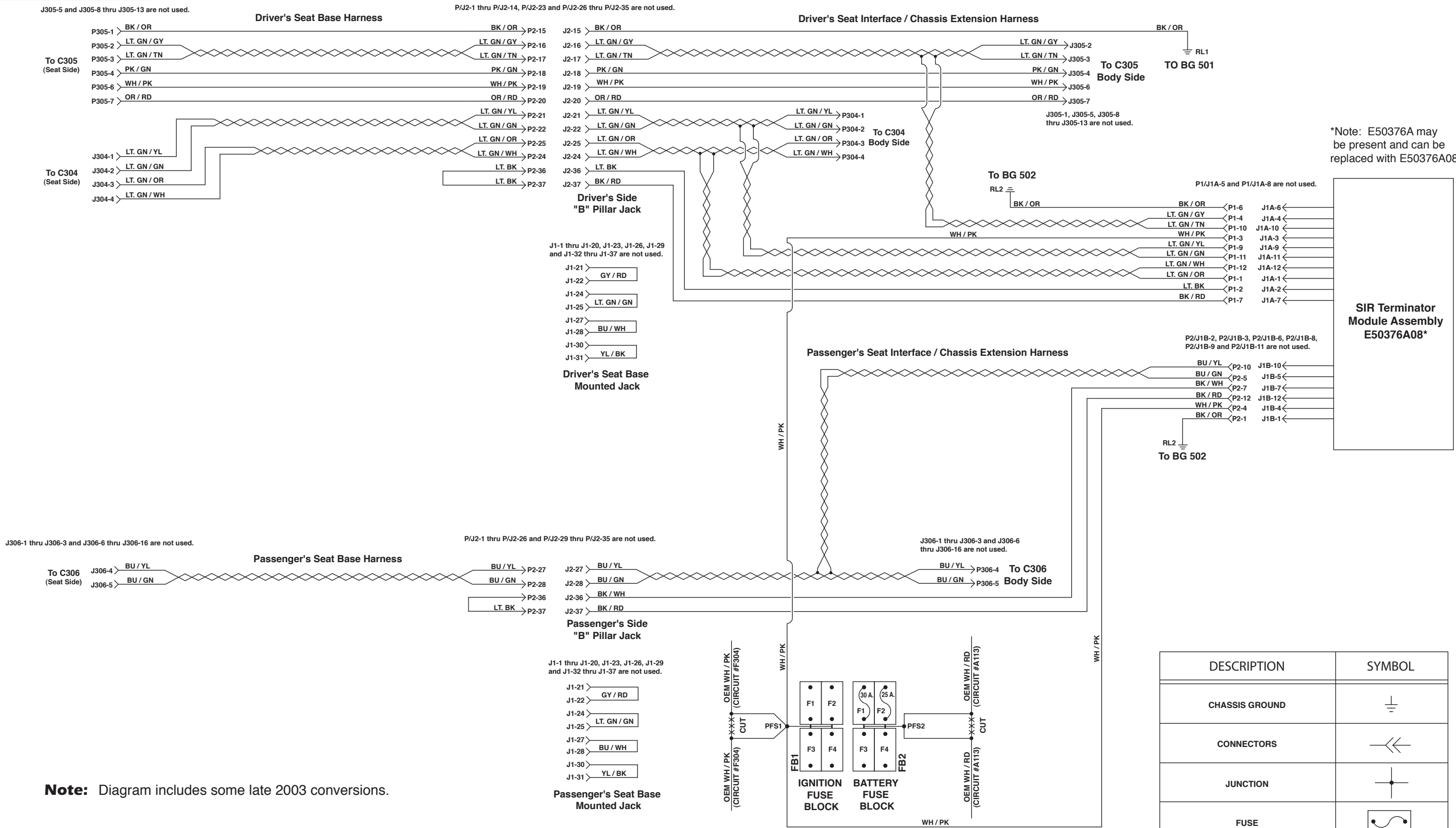
WIRING DIAGRAM - FRONT SEAT - DRIVER POWER w/o MEMORY - PASSENGER w/o POWER

Note: Diagram includes some late 2003 conversions.



Unfold for:
Wiring Diagram
Front Seat
Driver Power w/o Memory
passenger w/o Power

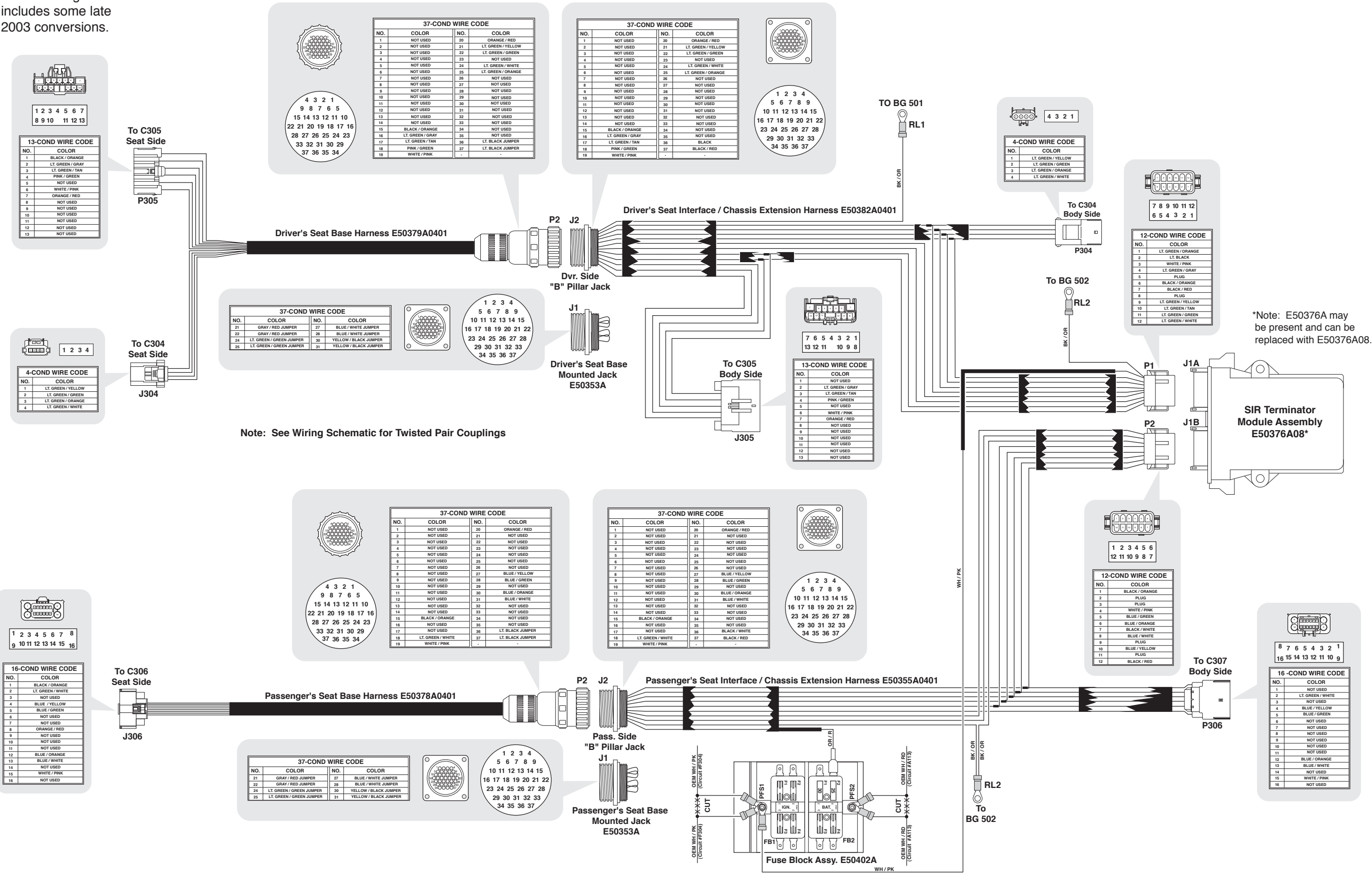
ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER POWER w/o MEMORY - PASSENGER w/o POWER



DESCRIPTION	SYMBOL
CHASSIS GROUND	
CONNECTORS	
JUNCTION	
FUSE	

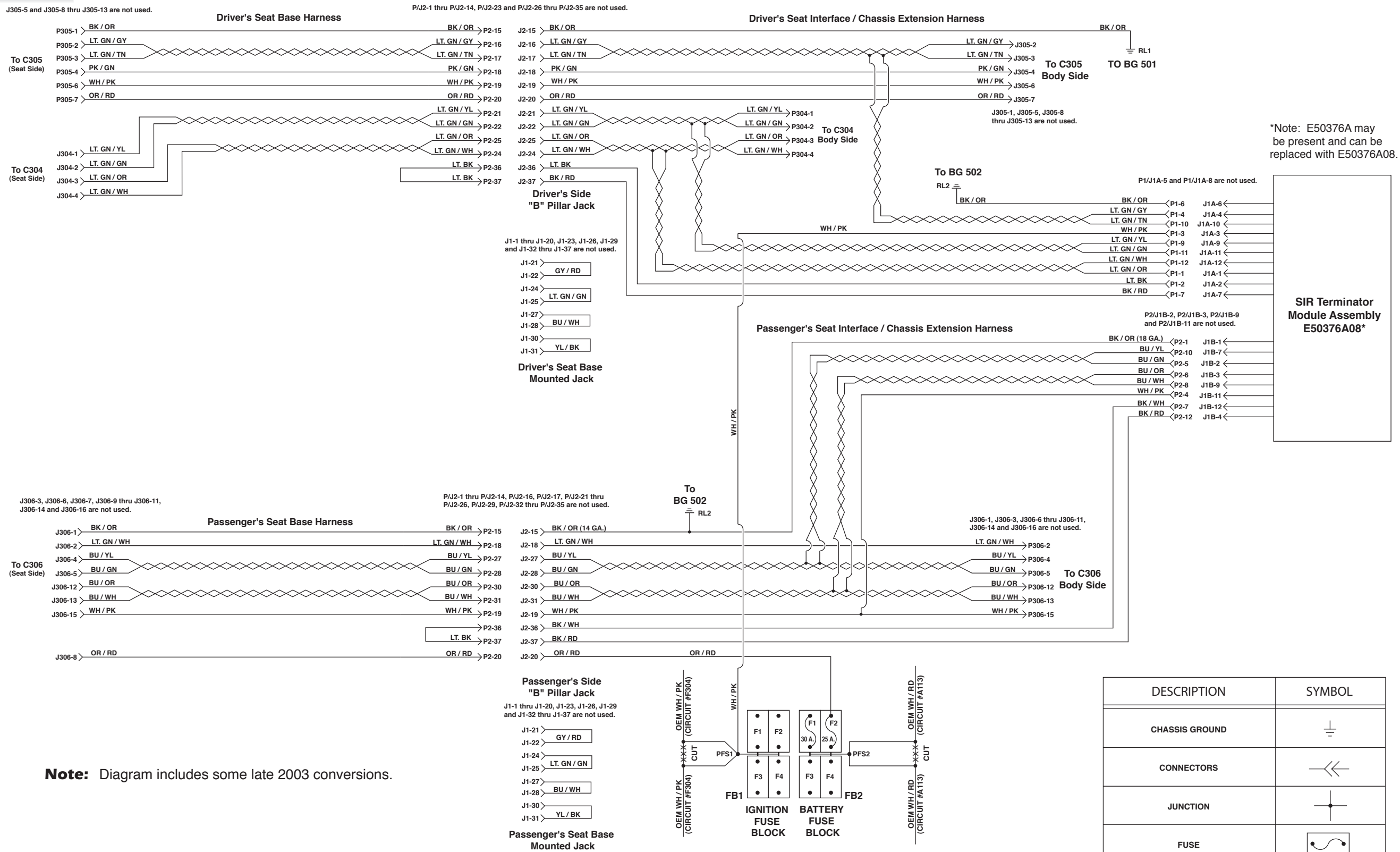
WIRING DIAGRAM - FRONT SEAT - DRIVER POWER w/o MEMORY - PASSENGER POWER w/o MEMORY

Note: Diagram includes some late 2003 conversions.



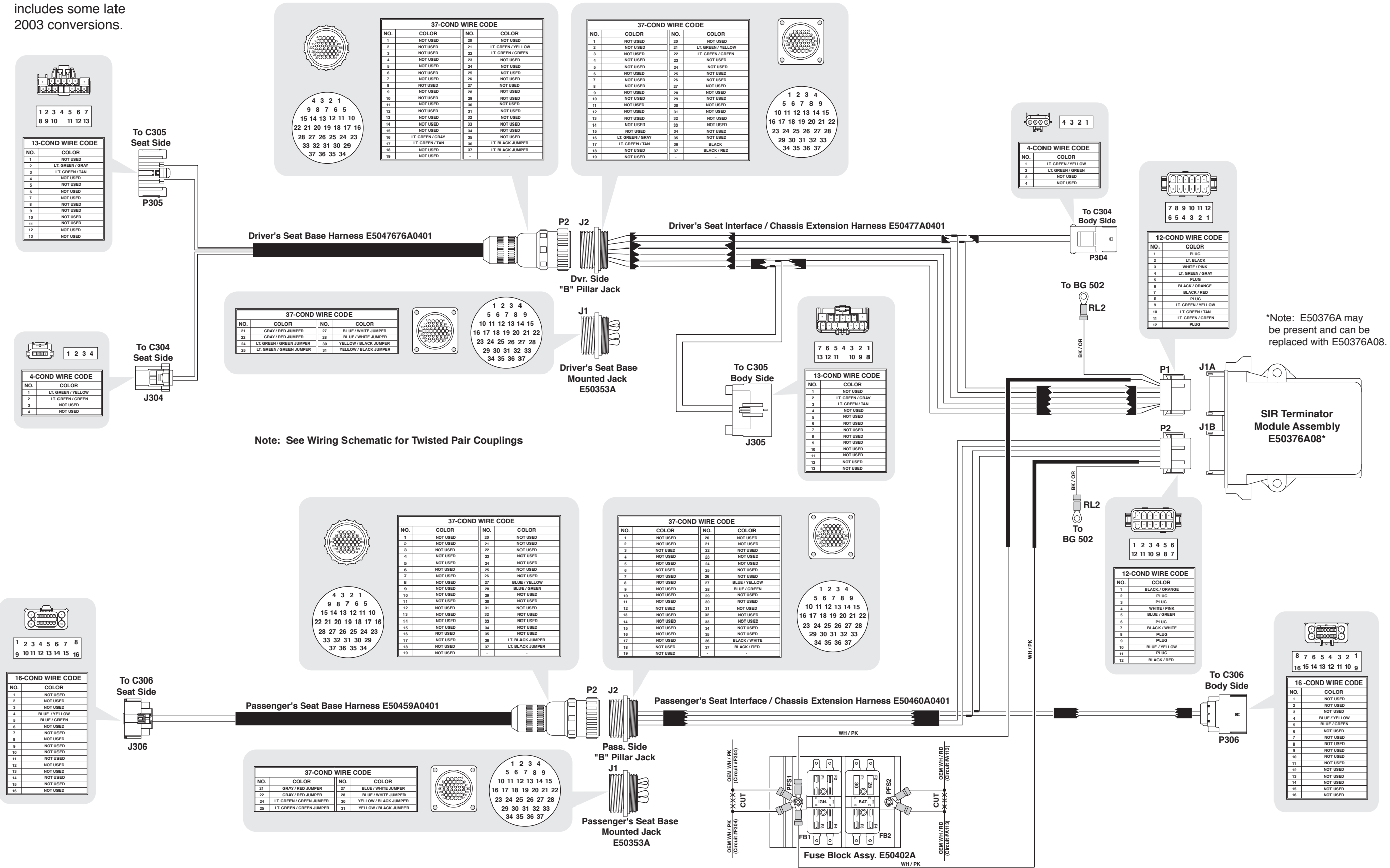
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Wiring Diagram
Front Seat
Driver Power w/o Memory
Passenger Power w/o Memory

ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER POWER w/o MEMORY - PASSENGER POWER w/o MEMORY



WIRING DIAGRAM - FRONT SEAT - DRIVER w/o POWER - PASSENGER w/o POWER

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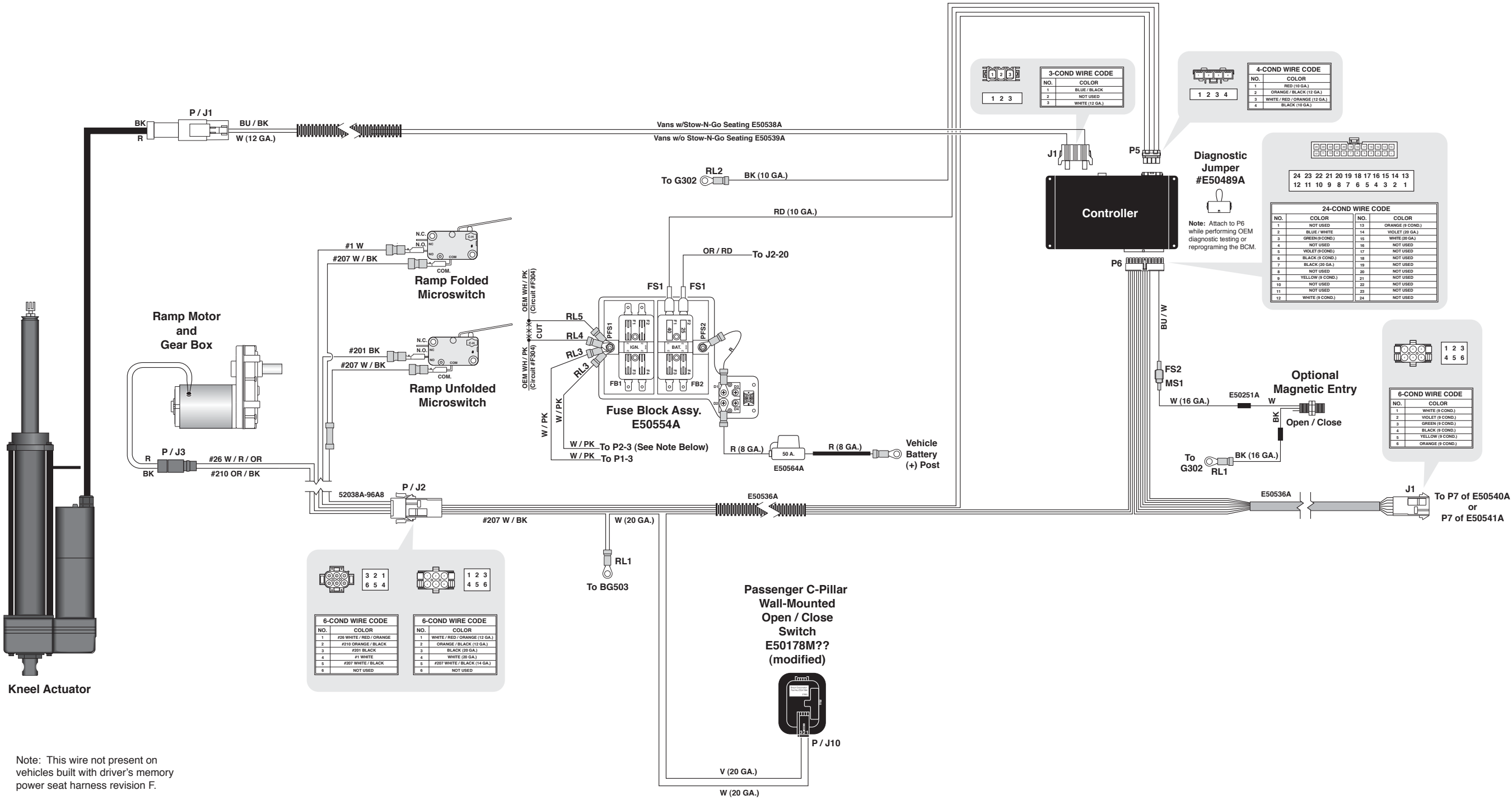


ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER w/o POWER - PASSENGER w/o POWER



WIRING DIAGRAM - MAIN - BRAUN CONTROLLER

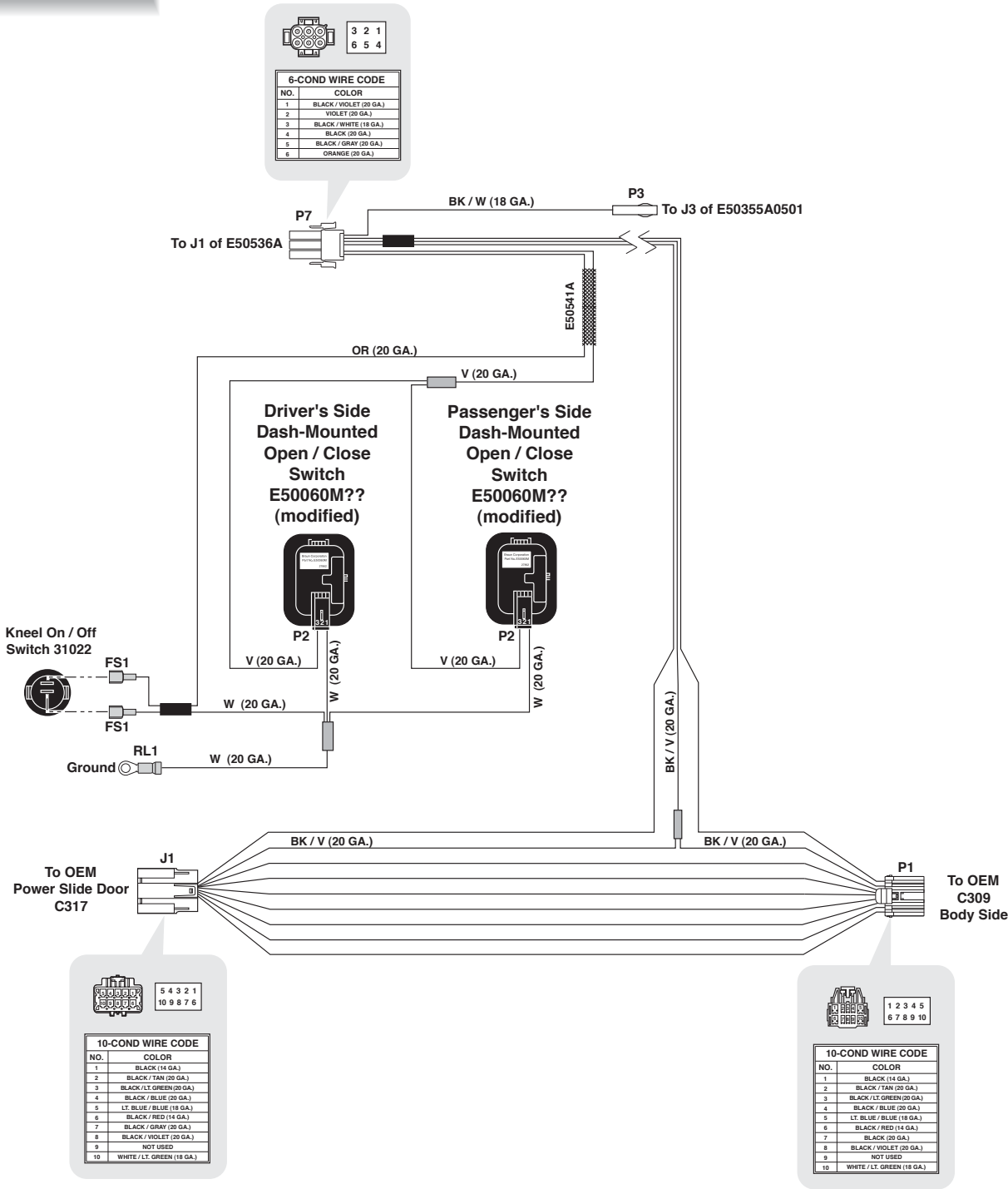
Note: Includes up to "0602" conversions.



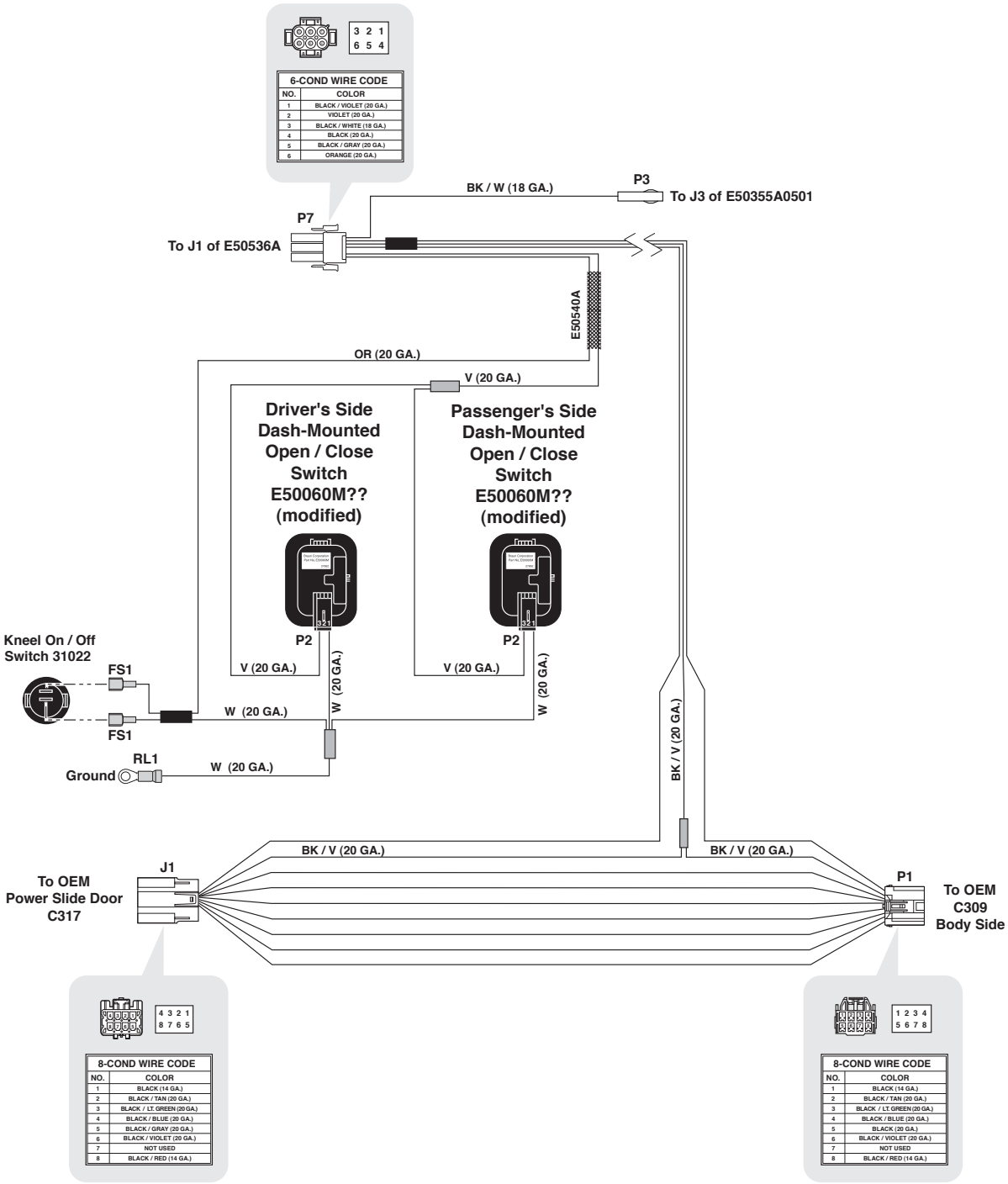
Note: This wire not present on vehicles built with driver's memory power seat harness revision F.

WIRING DIAGRAM - DASH MOUNTED SWITCHES - w/ SIDE AIR BAGS - w/o SIDE AIR BAGS

Note: Includes up to "0602" conversions.



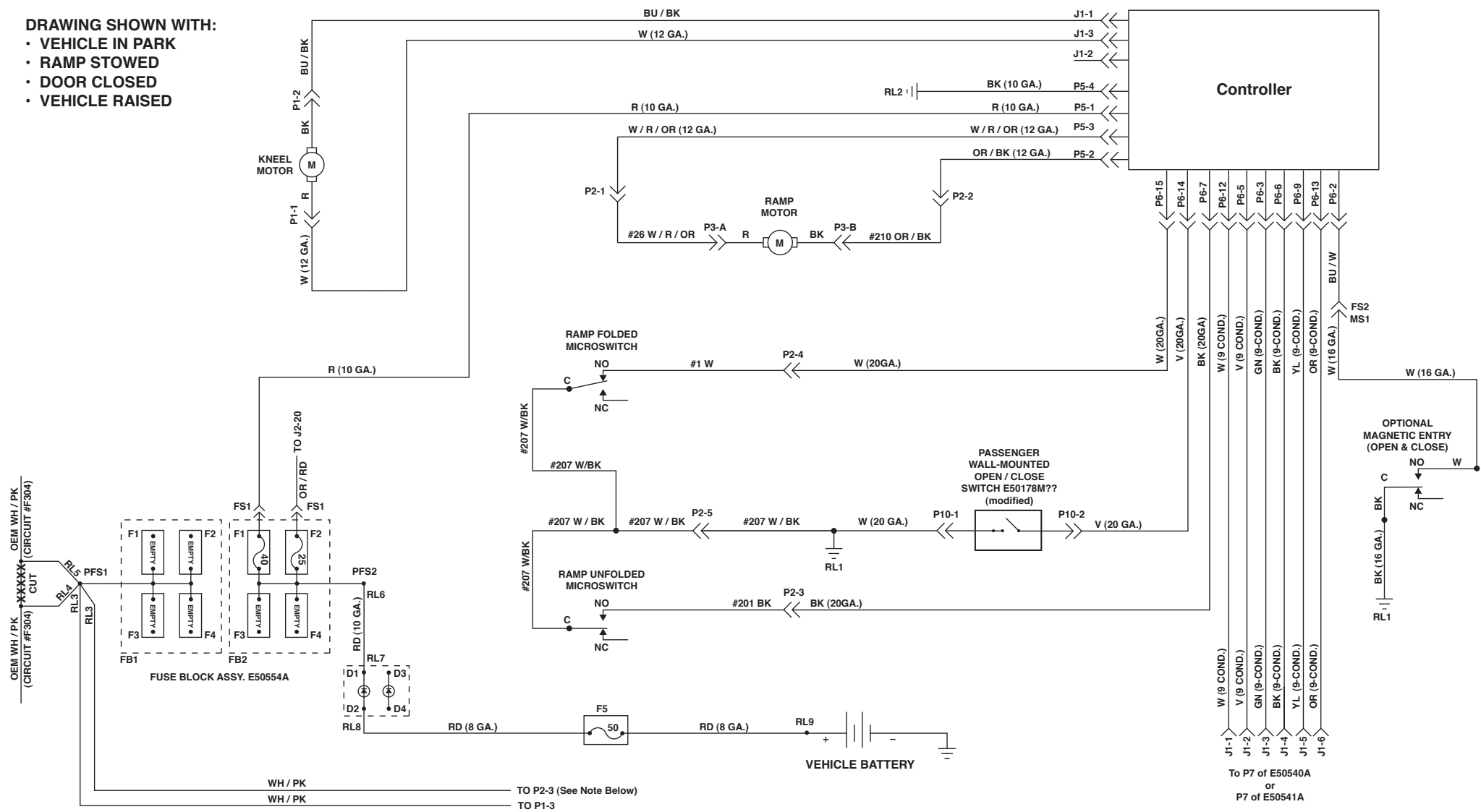
Wiring Diagram - Dash Mounted Switches - w/ Side Air Bags



Wiring Diagram - Dash Mounted Switches - w/o Side Air Bags

ELECTRICAL SCHEMATIC - MAIN - BRAUN CONTROLLER

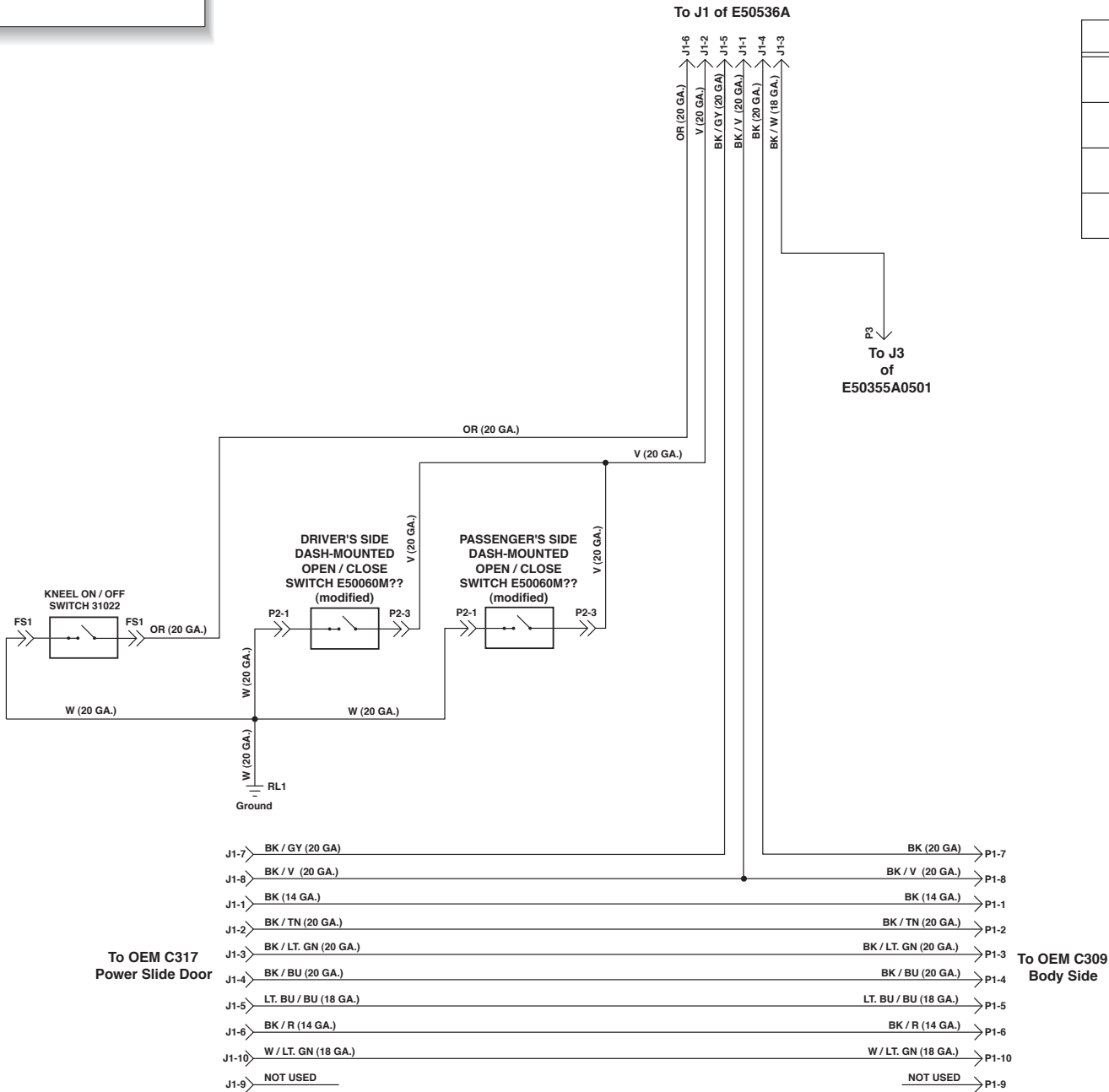
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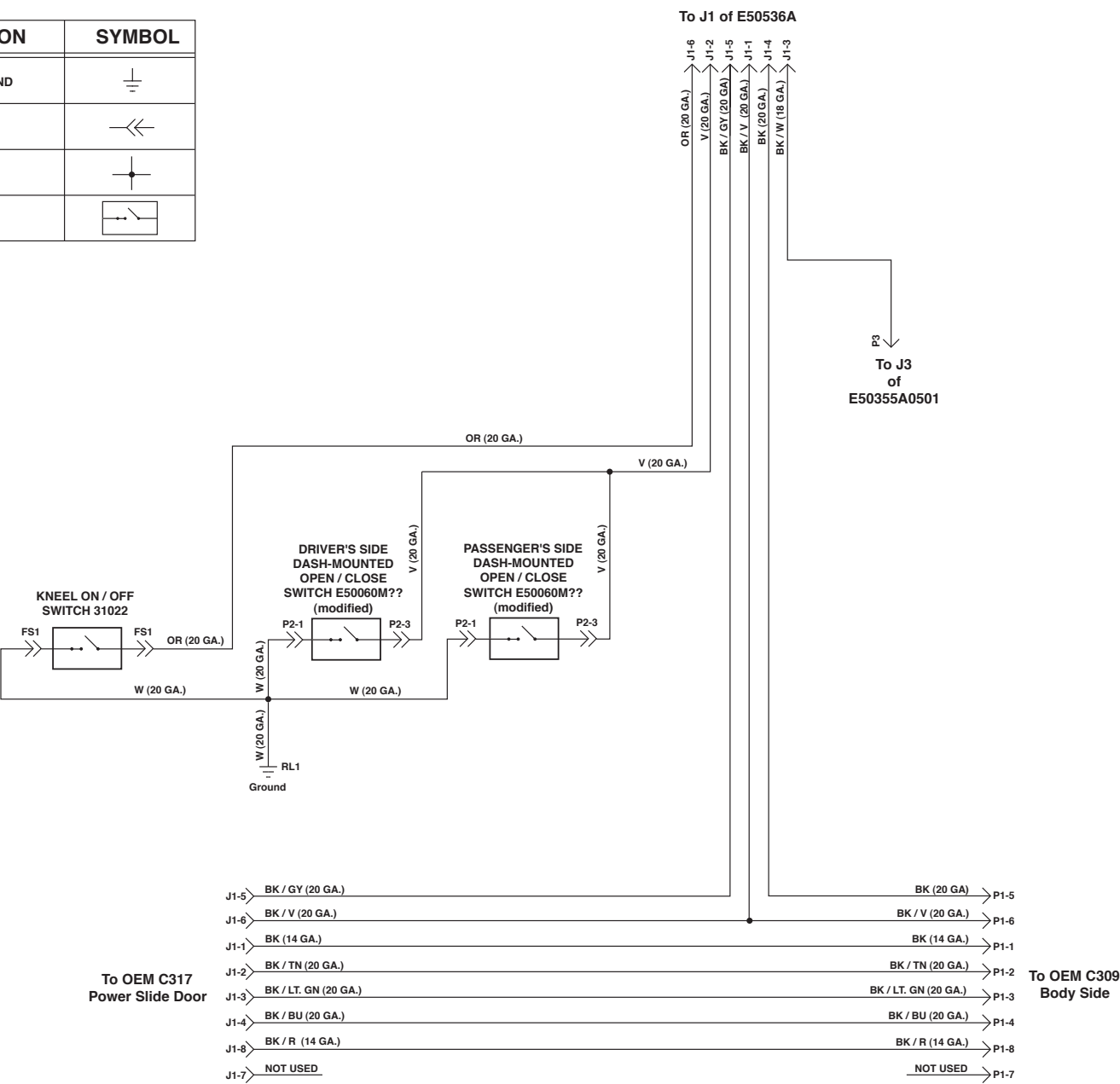
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ELECTRICAL SCHEMATIC - DASH MOUNTED SWITCHES - w/ SIDE AIR BAGS - w/o SIDE AIR BAGS

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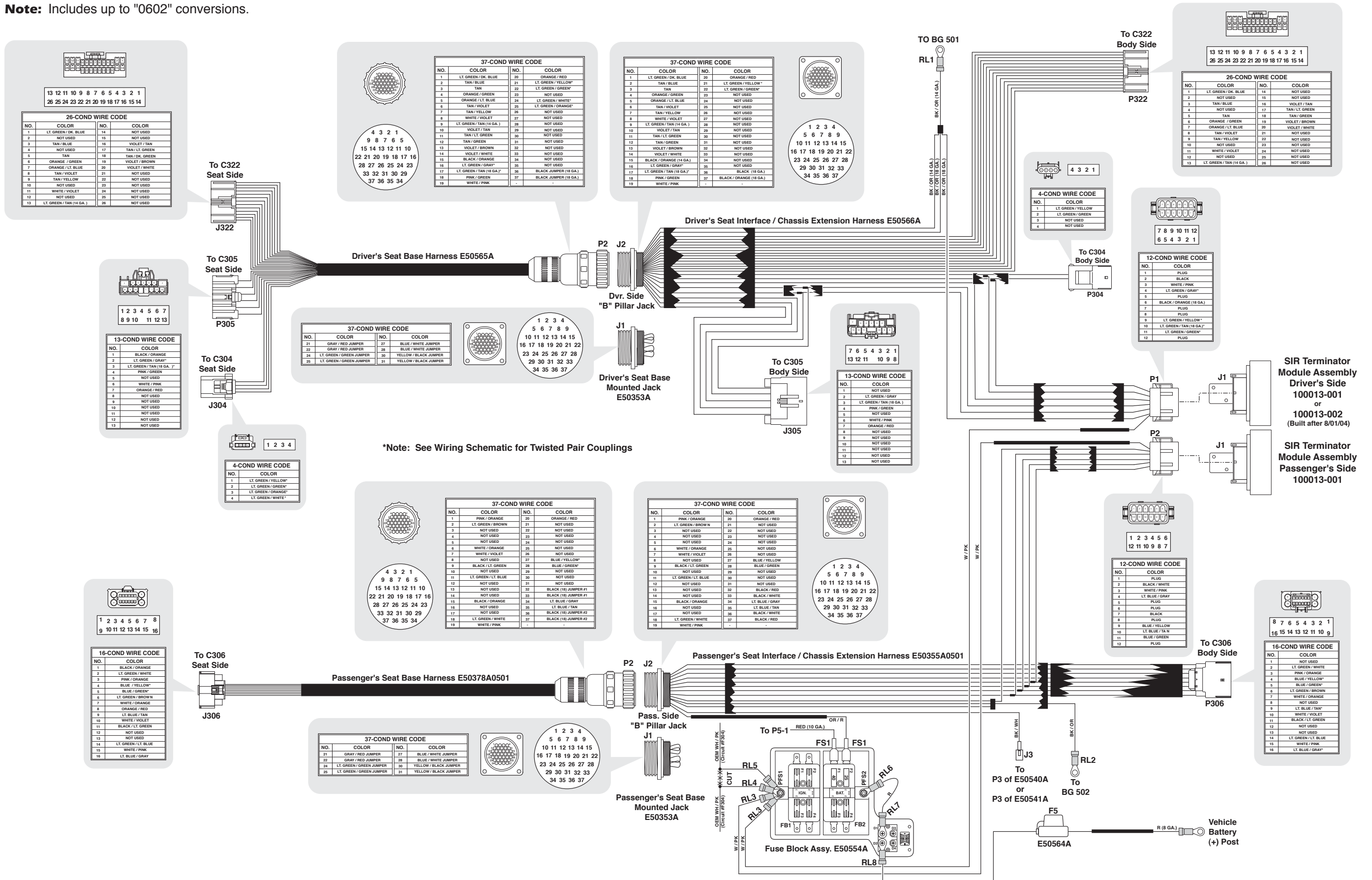


Electric Schematic - Dash Mounted Switches - w/ Side Air Bags



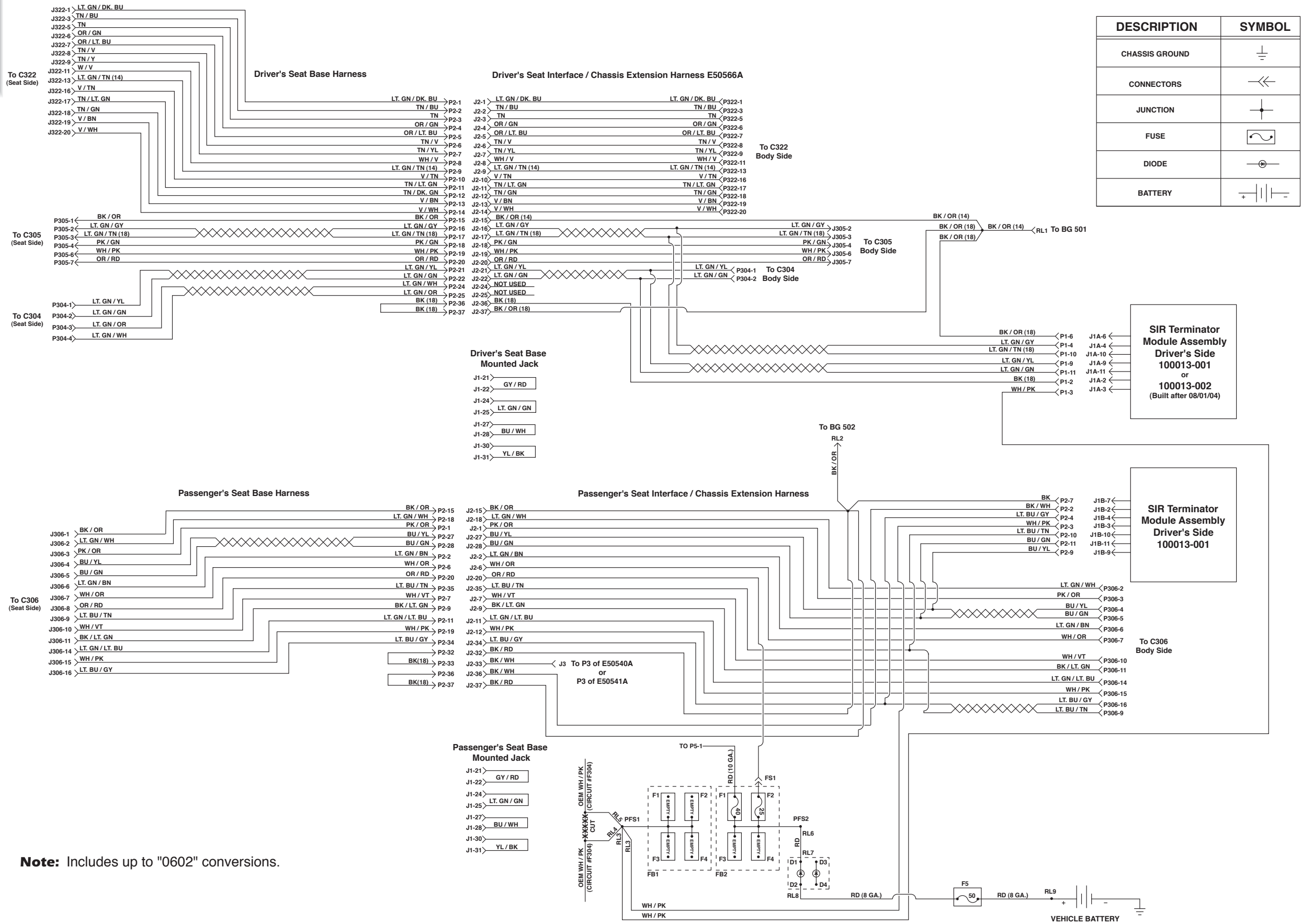
Electric Schematic - Dash Mounted Switches - w/o Side Air Bags

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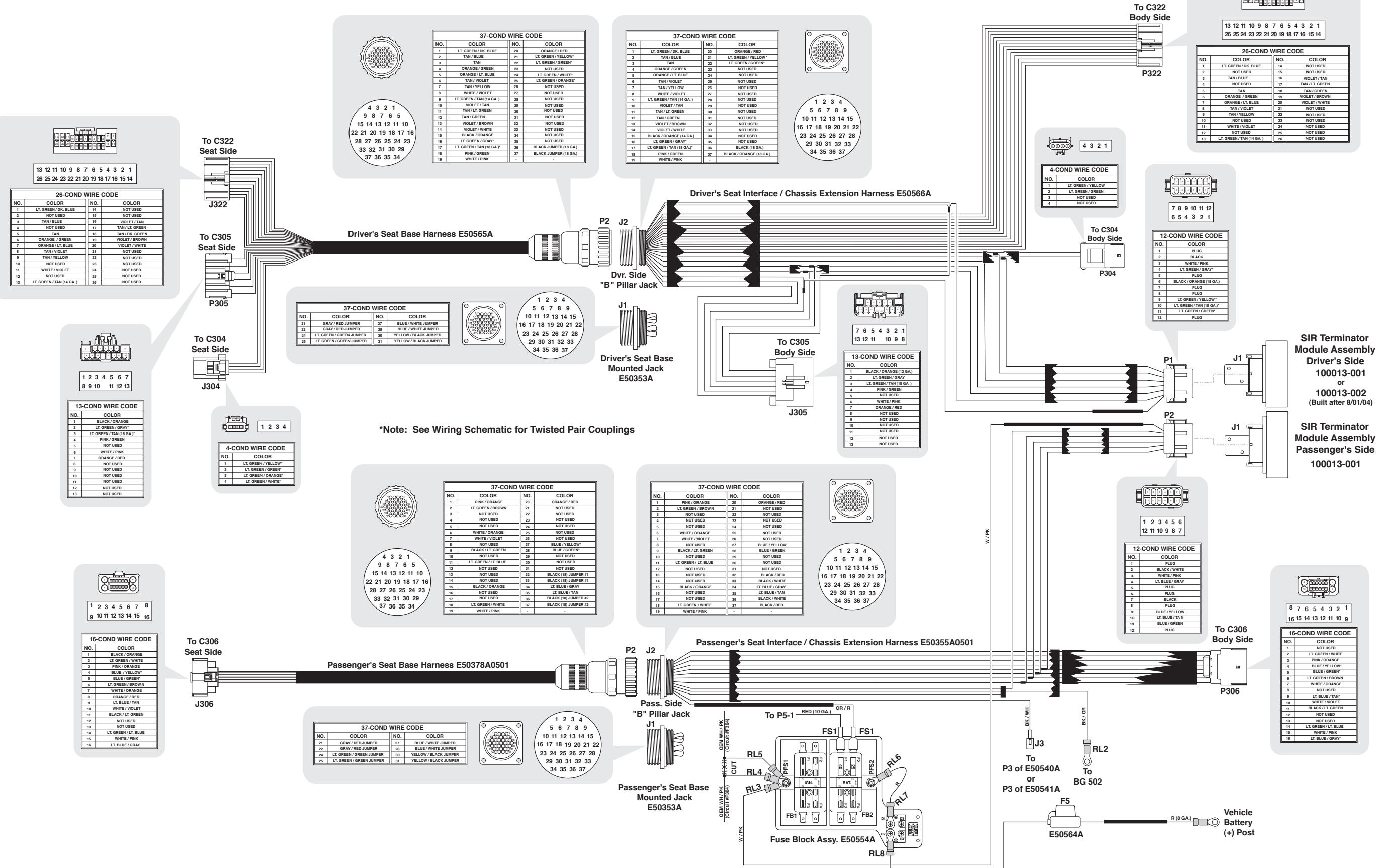


Unfold For:
Wiring Diagram
Front Seat
Driver Power w/ Memory
Passenger Universal - Rev A-E

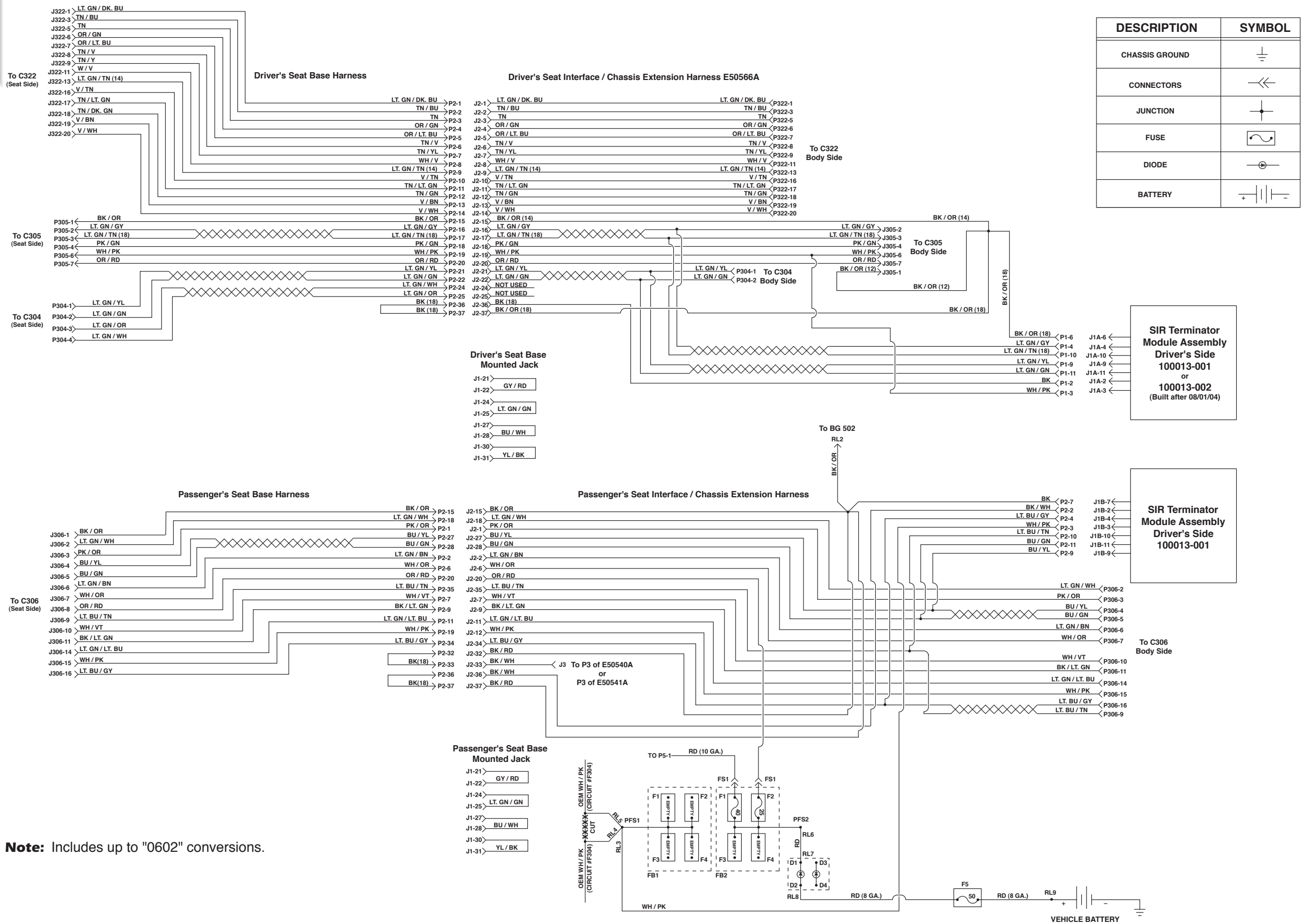
ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER POWER w/ MEMORY - PASSENGER UNIVERSAL - REV A-E



Note: Includes up to "0602" conversions.

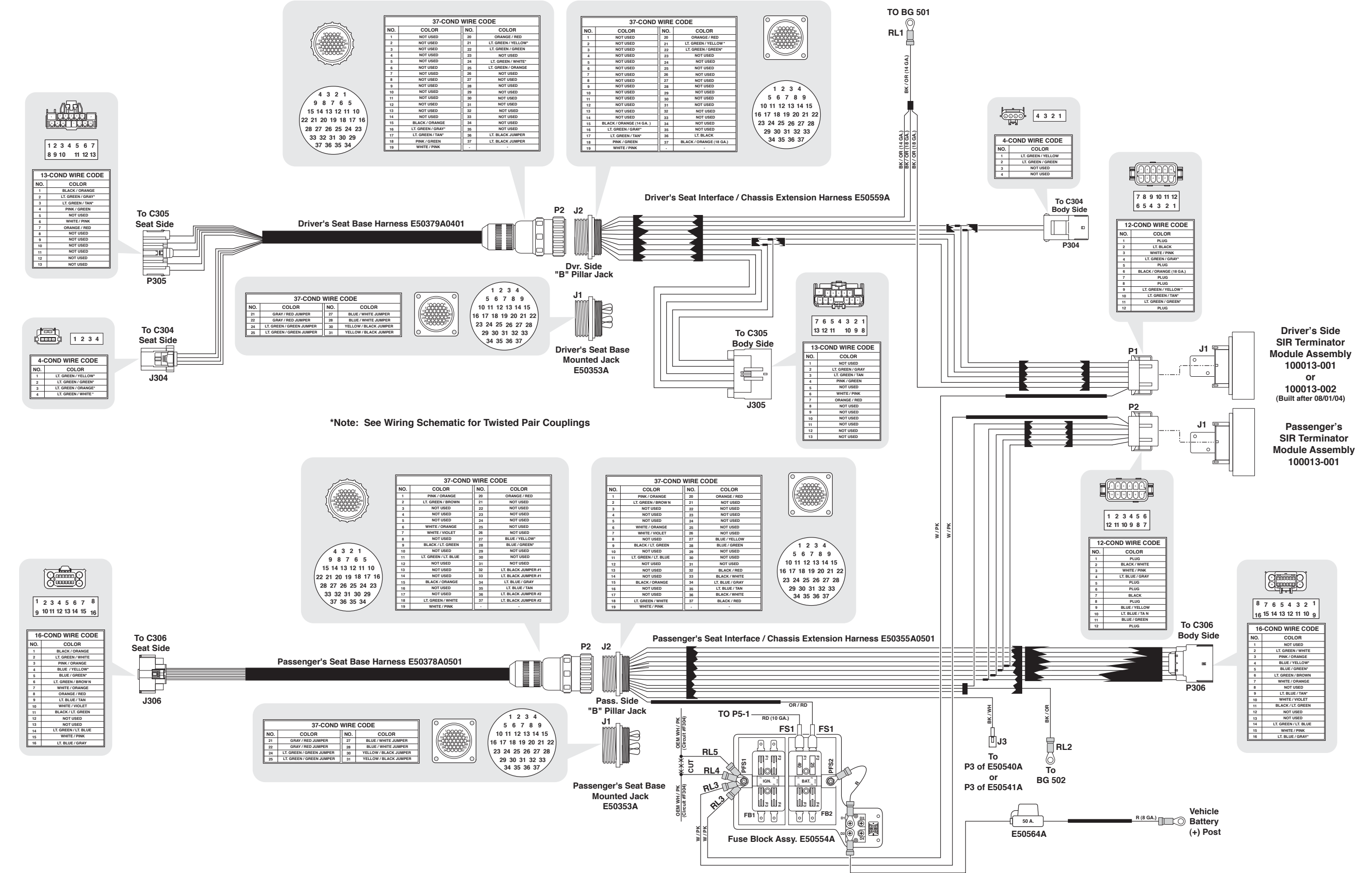


ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER POWER w/ MEMORY - PASSENGER UNIVERSAL - REV F



WIRING DIAGRAM - FRONT SEAT - DRIVER POWER w/o MEMORY - PASSENGER UNIVERSAL

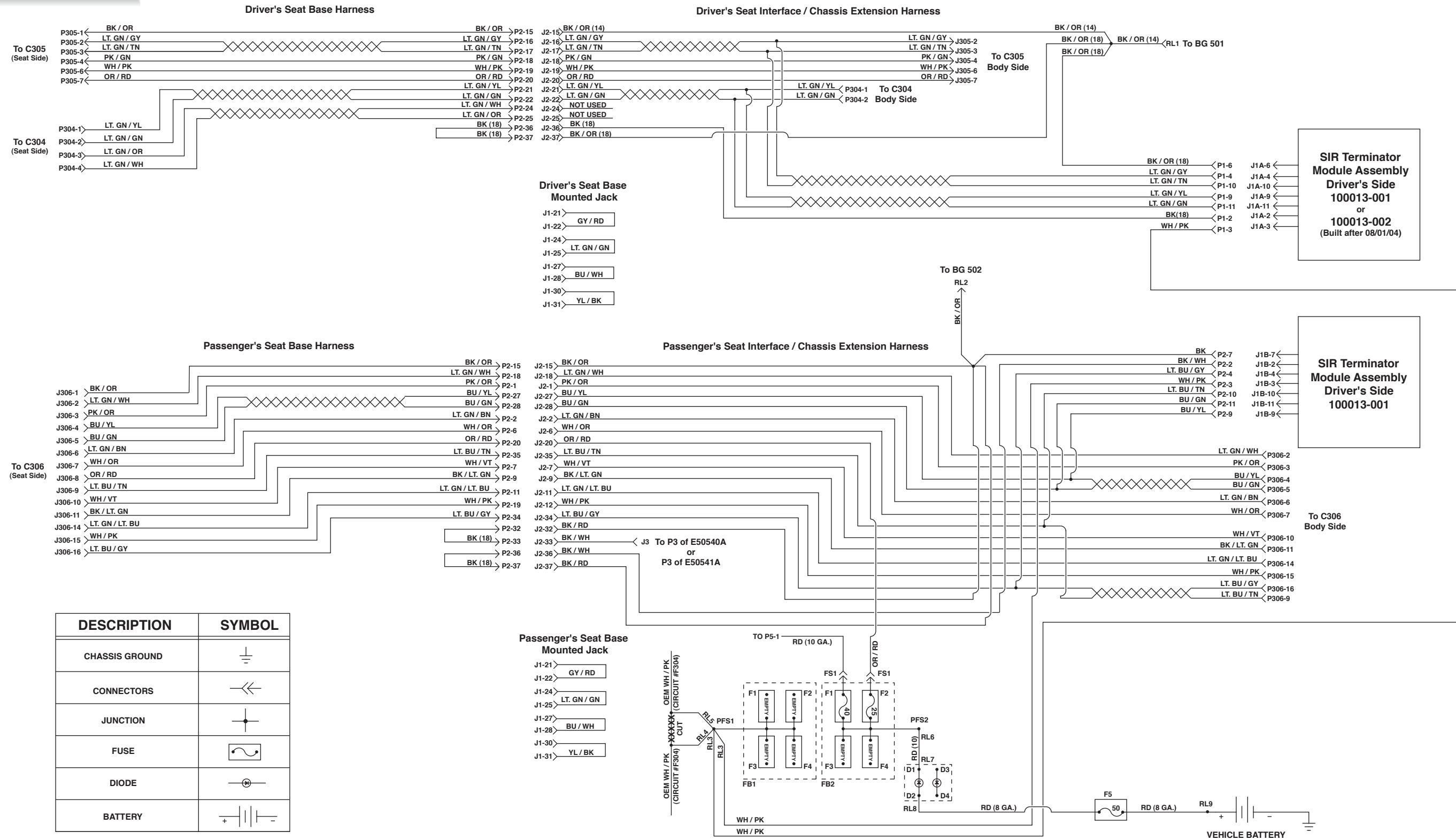
Note: Includes up to "0602" conversions.



Unfold For:
Wiring Diagram
Front Seat
Driver Power w/o Memory
Passenger Universal

ELECTRICAL SCHEMATIC - FRONT SEAT - DRIVER POWER w/o MEMORY - PASSENGER UNIVERSAL

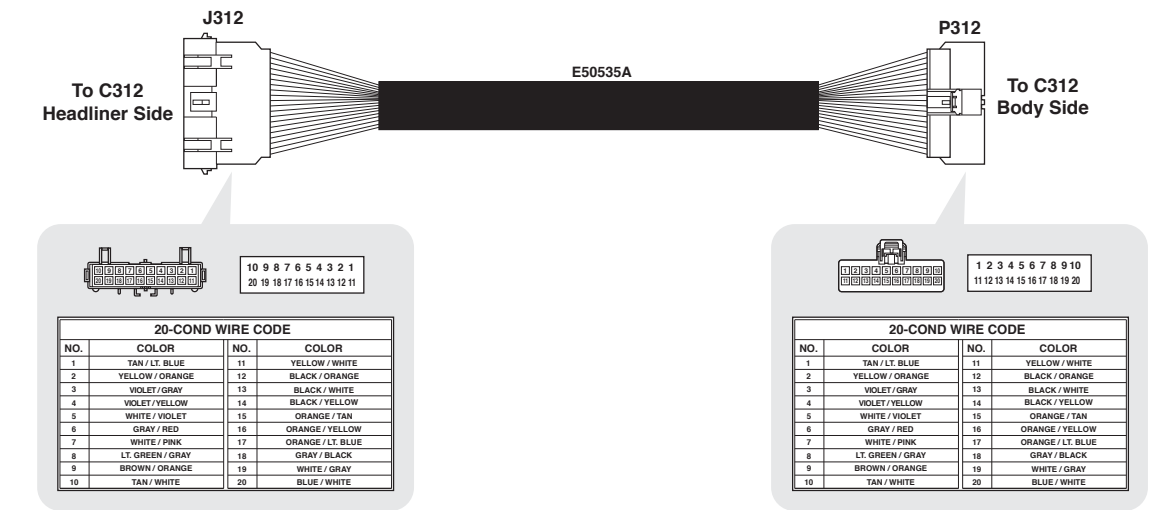
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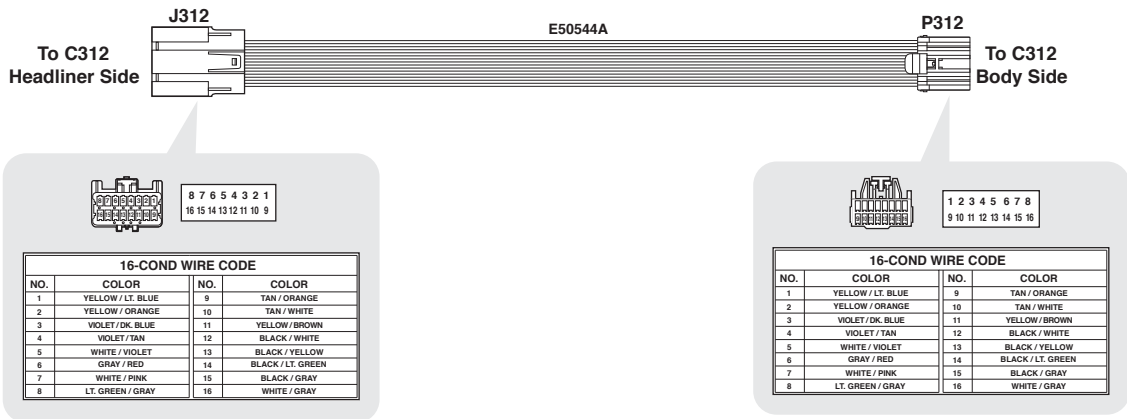
WIRING DIAGRAM - EXTENSIONS - OVERHEAD B PILLAR

Note: Includes up to "0602" conversions.

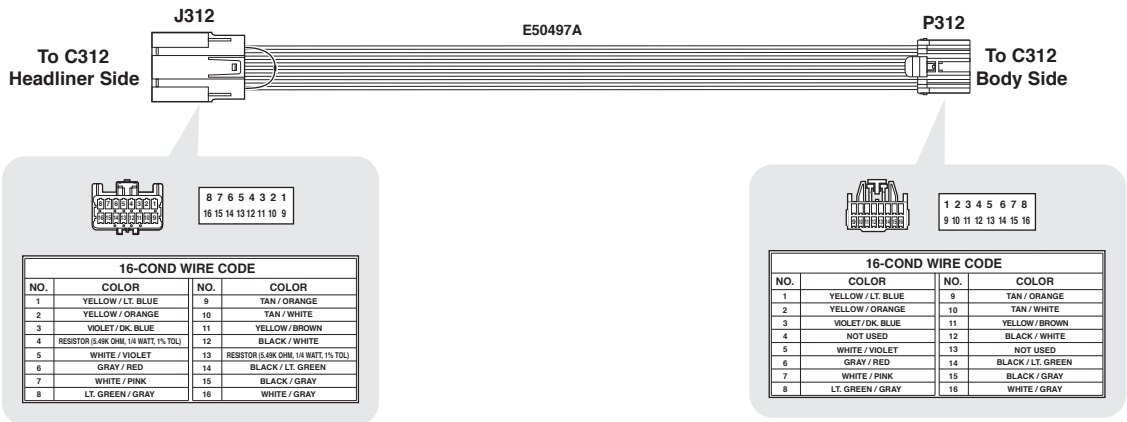
Wiring Diagram - Extensions - Overhead B-Pillar - Passenger Power Slide Door



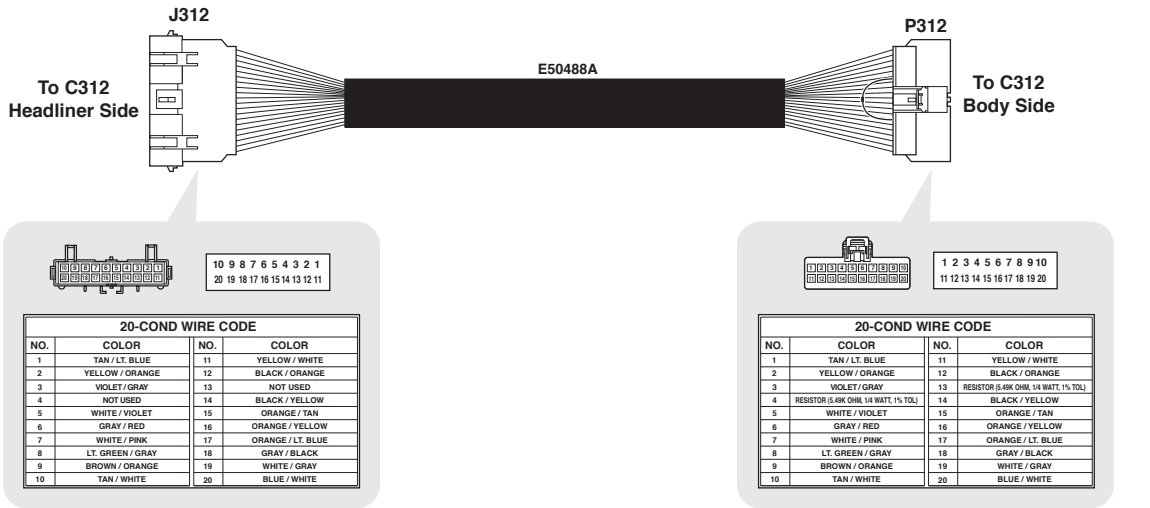
Wiring Diagram - Extensions - Overhead B-Pillar - Passenger Power Slide Door w/ Side Air Bags



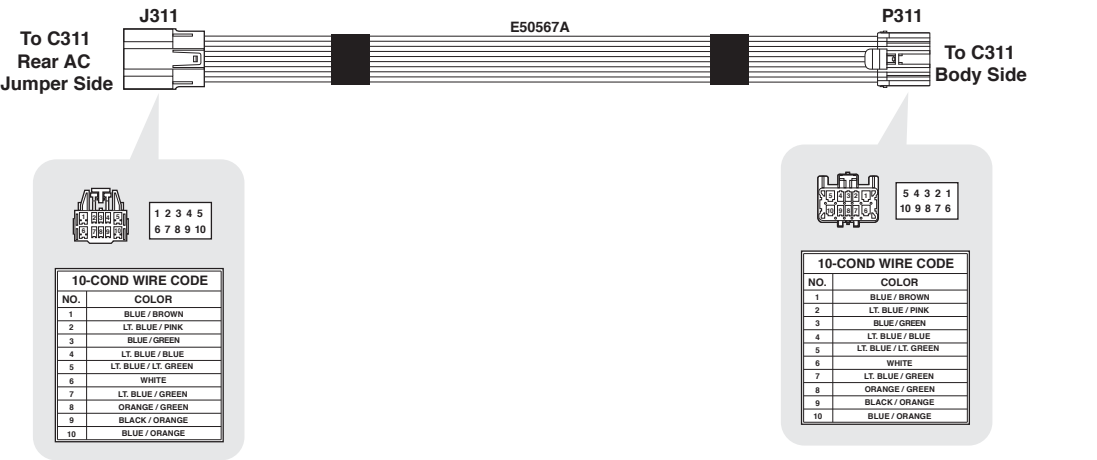
Wiring Diagram - Extensions - Overhead B-Pillar - Passenger Manual To Power Slide Door w/ Side Air Bags



Wiring Diagram - Extensions - Overhead B-Pillar - Passenger Manual To Power Slide Door



Wiring Diagram - Extensions - Overhead B-Pillar - Driver all Applications

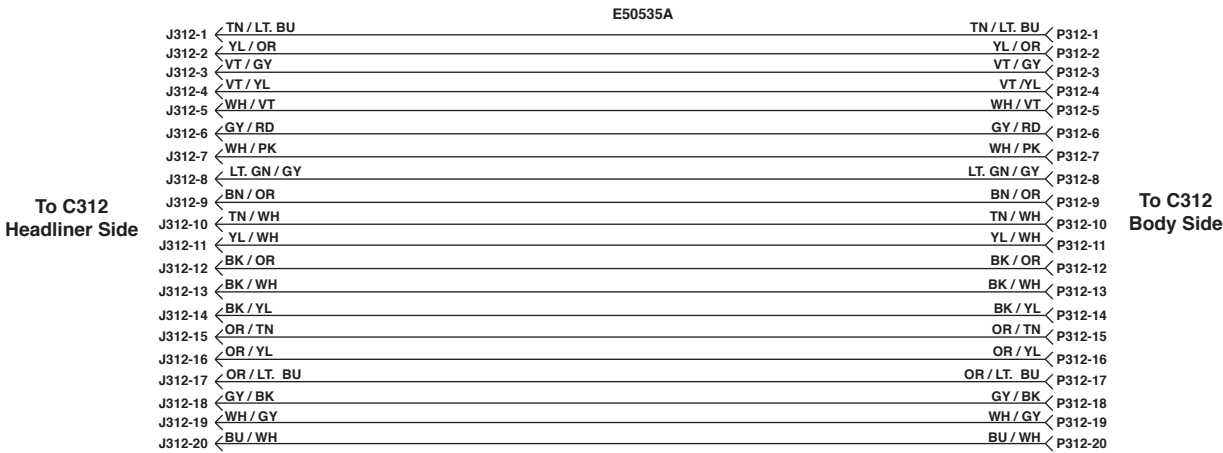


ELECTRICAL SCHEMATIC - EXTENSIONS - OVERHEAD B PILLAR

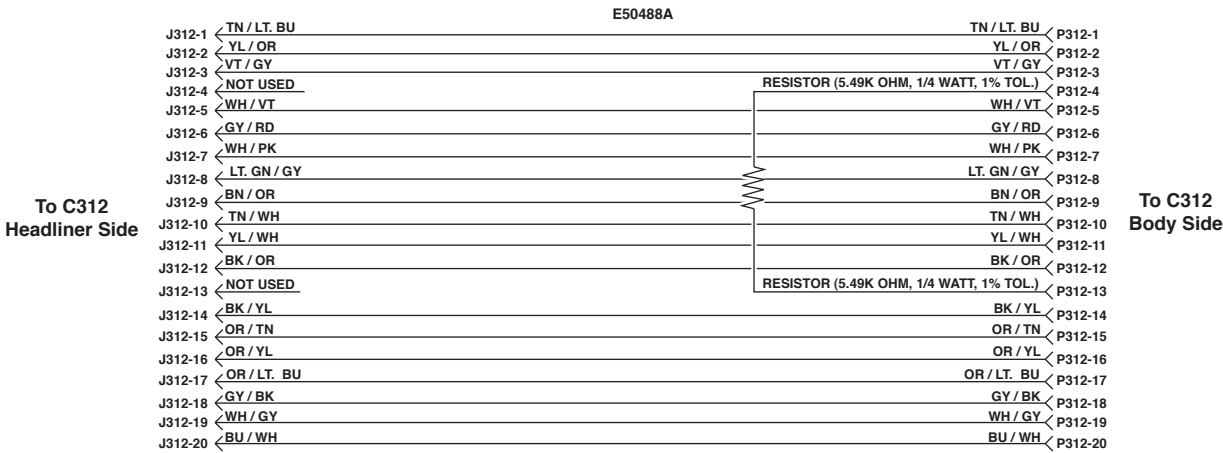
Note: Includes up to "0602" conversions.

DESCRIPTION	SYMBOL
CONNECTORS	
RESISTOR	

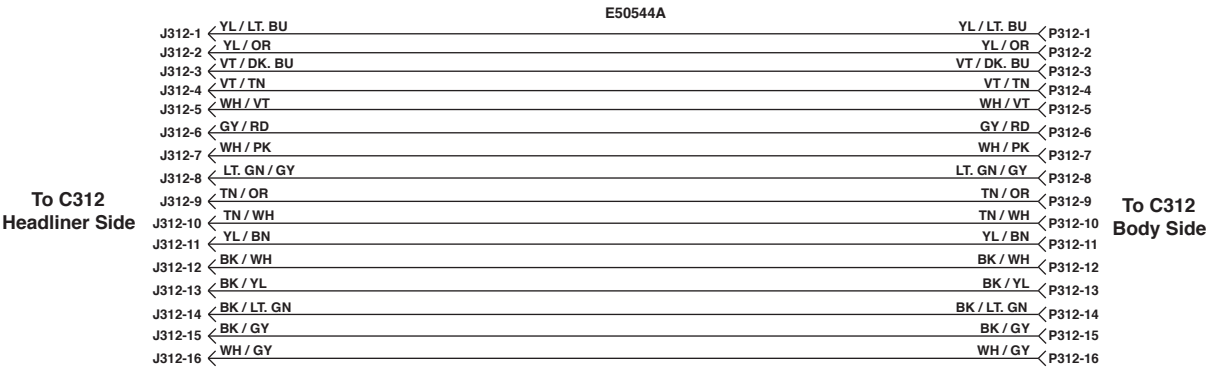
Electrical Schematic - Extensions - Overhead B-Pillar - Passenger Power Slide Door



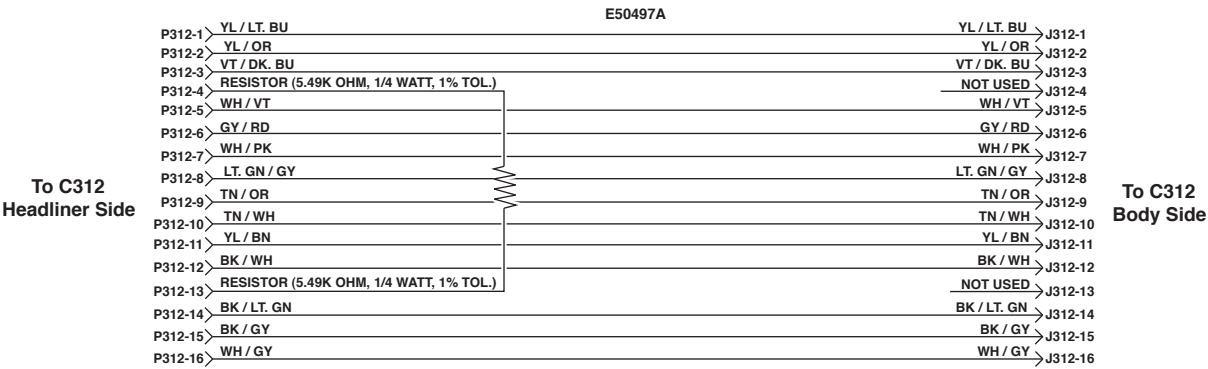
Electrical Schematic - Extensions - Overhead B-Pillar - Passenger Manual To Power Slide Door



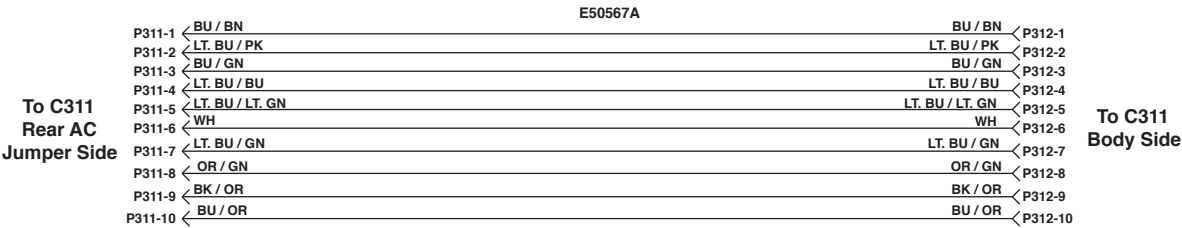
Electrical Schematic - Extensions - Overhead B-Pillar - Passenger Power Slide Door w/ Side Air Bags



Electrical Schematic - Extensions - Overhead B-Pillar - Passenger Manual To Power Slide Door w/ Side Air Bags

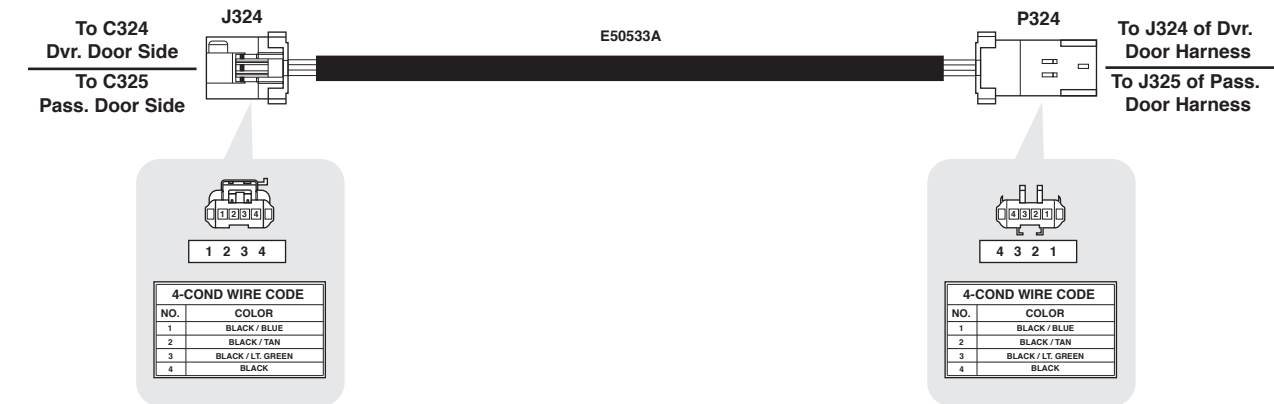


Electrical Schematic - Extensions - Overhead B-Pillar - Driver all Applications

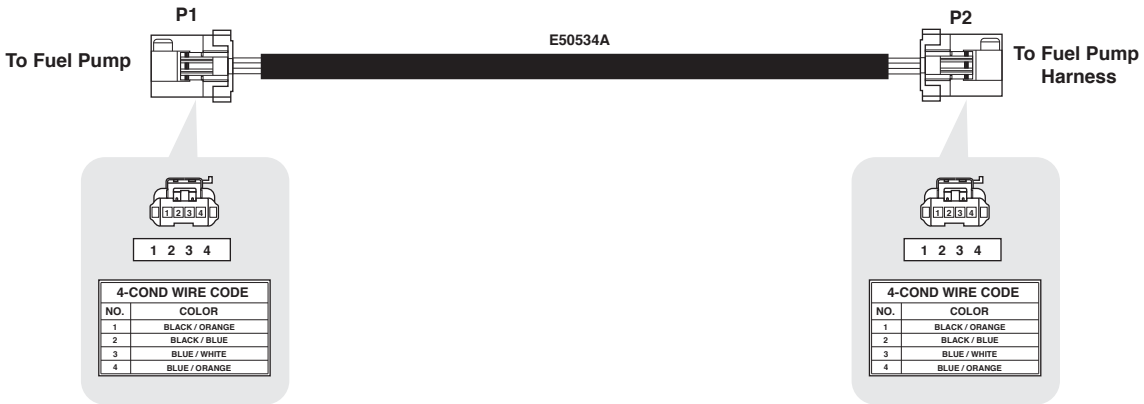


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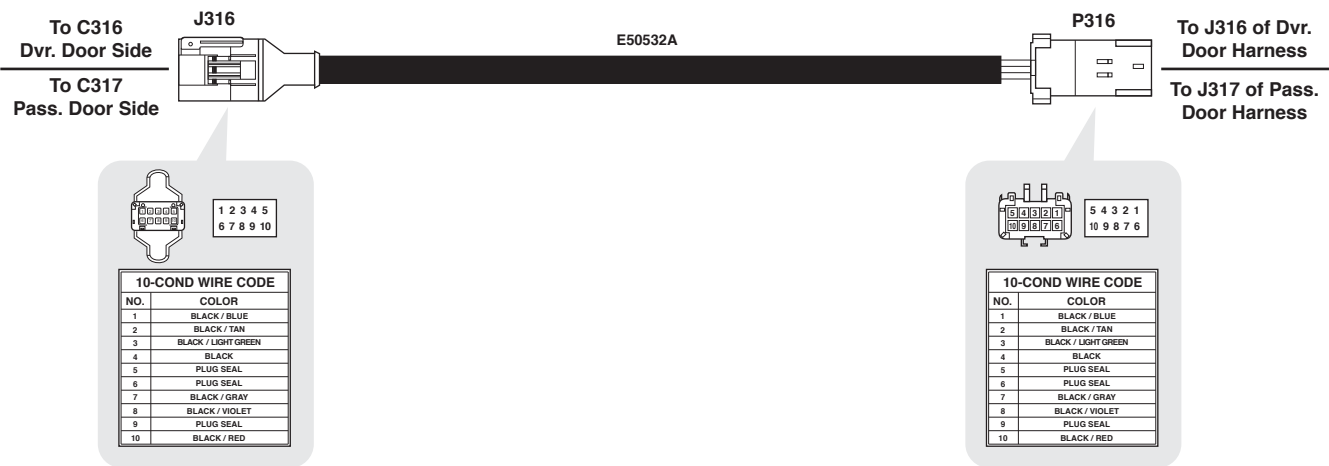
Wiring Diagram - Extensions - Driver / Passenger Slide Door - Manual Door



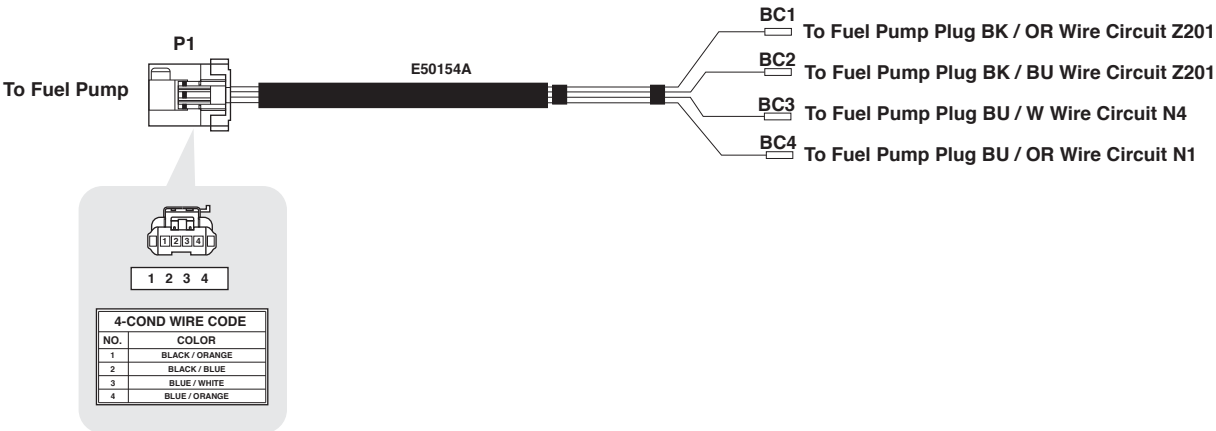
Wiring Diagram - Extensions - Fuel Pump w/ Stow-N-Go Seats



Wiring Diagram - Extensions - Driver / Passenger Slide Door - Power Door



Wiring Diagram - Extensions - Fuel Pump w/o Stow-N-Go Seats

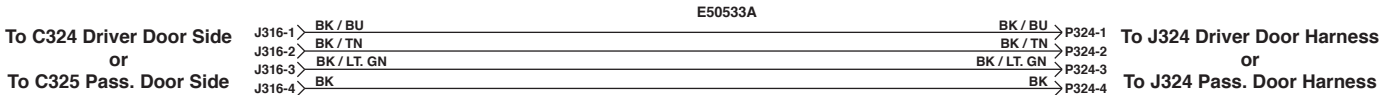


Unfold For:
Wiring Diagram
Extensions
Driver / Passenger Slide Door
Fuel Pump

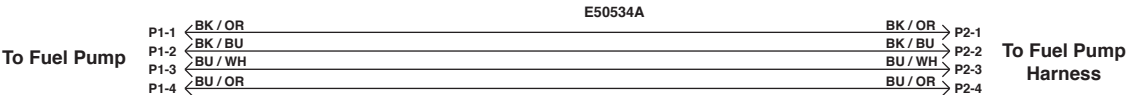
ELECTRICAL SCHEMATIC - EXTENSIONS - DRIVER / PASSENGER SLIDE DOOR - FUEL PUMP

Note: Includes up to "0602" conversions.

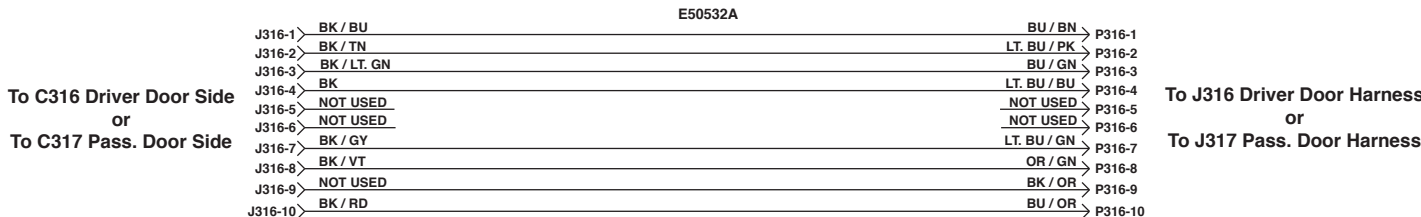
Electrical Schematic - Extensions - Driver / Passenger Slide Door - Manual Door



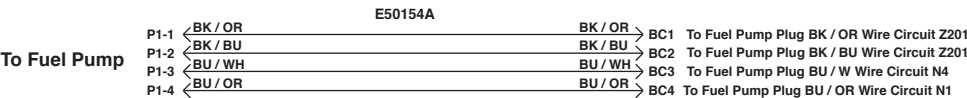
Electrical Schematic - Extensions - Fuel Pump w/ Stow-N-Go Seats



Electrical Schematic - Extensions - Driver / Passenger Slide Door - Power Door



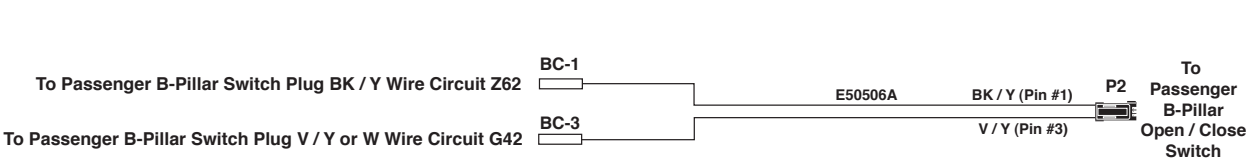
Electrical Schematic - Extensions - Fuel Pump w/o Stow-N-Go Seats



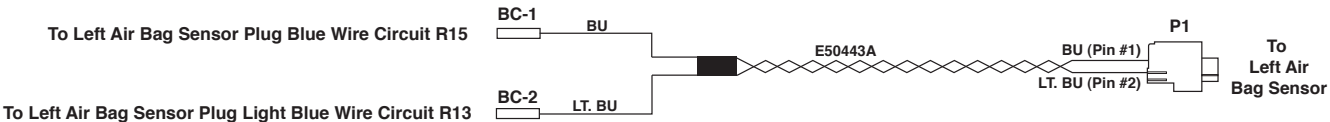
DESCRIPTION	SYMBOL
CONNECTORS	

Note: Includes up to "0602" conversions.

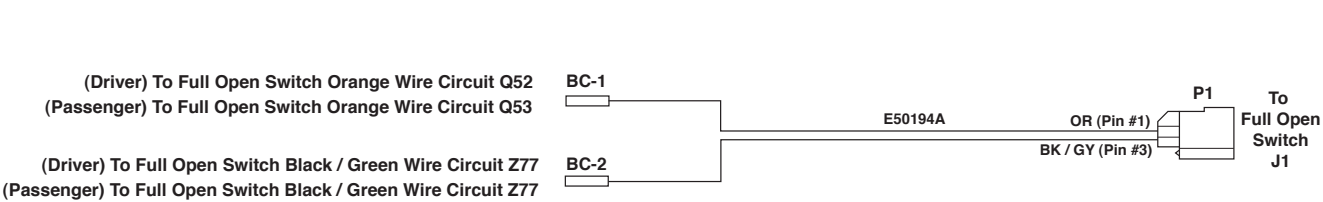
Wiring Diagram - Extensions - B-Pillar - Passenger Open / Close Switch



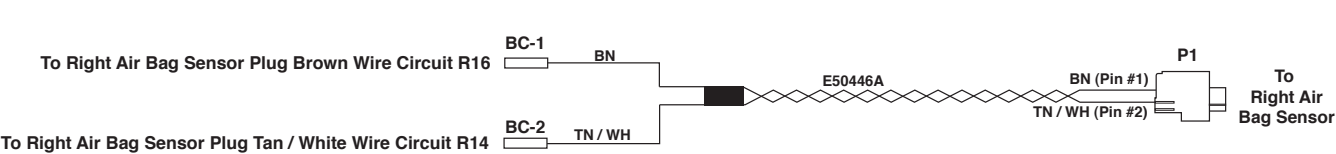
Wiring Diagram - Extensions - Driver Side Air Bag Sensor



Wiring Diagram - Extensions - Driver / Passenger Power Slide Full Open Switch



Wiring Diagram - Extensions -Passenger Side Air Bag Sensor

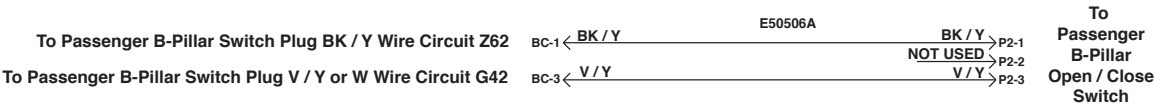


Unfold For:
Wiring Diagram
Extensions
B-pillar Switch
Full Open Switch
Air Bag Sensor

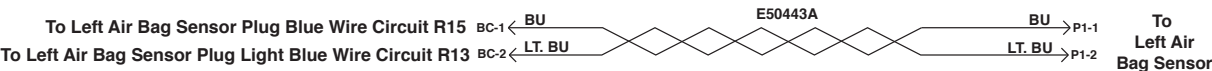
ELECTRICAL SCHEMATIC - EXTENSIONS - B PILLAR SWITCH - FULL OPEN SWITCH - AIR BAG SENSOR

Note: Includes up to "0602" conversions.

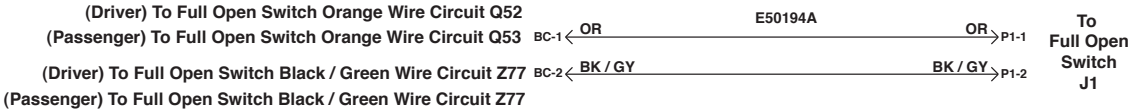
Electrical Schematic - Extensions - B-Pillar - Passenger Open / Close Switch



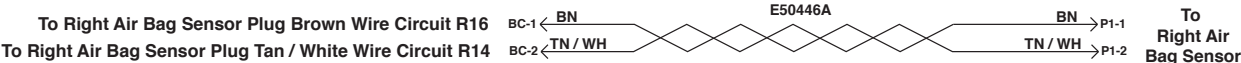
Electrical Schematic - Extensions - Driver Side Air Bag Sensor



Electrical Schematic - Extensions - Driver / Passenger Power Slide Full Open Switch



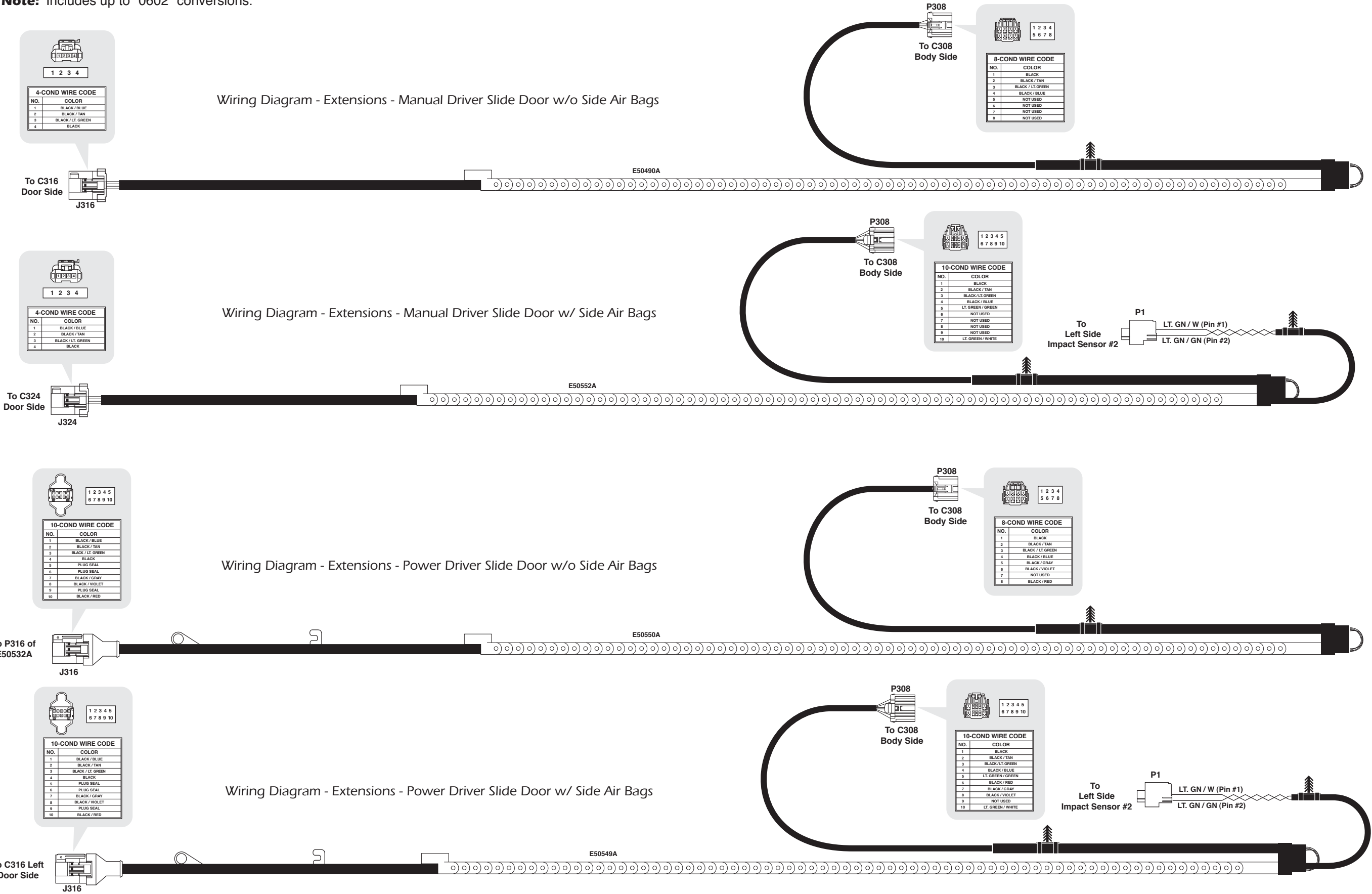
Electrical Schematic - Extensions -Passenger Side Air Bag Sensor



DESCRIPTION	SYMBOL
CONNECTORS	—<<
TWISTED WIRES	≍≍≍≍

WIRING DIAGRAM - EXTENSIONS - DRIVER SLIDE DOOR

Note: Includes up to "0602" conversions.

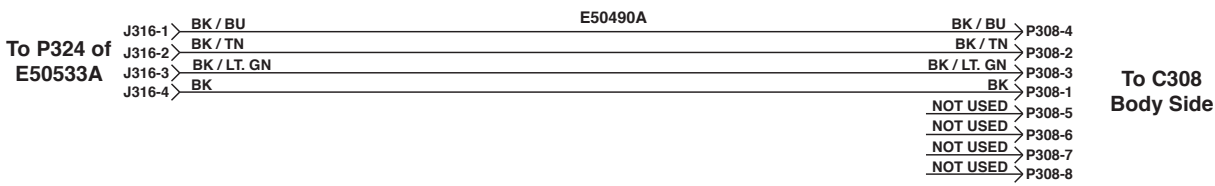


Unfold for:
Wiring Diagram
Extensions
Driver Slide Door

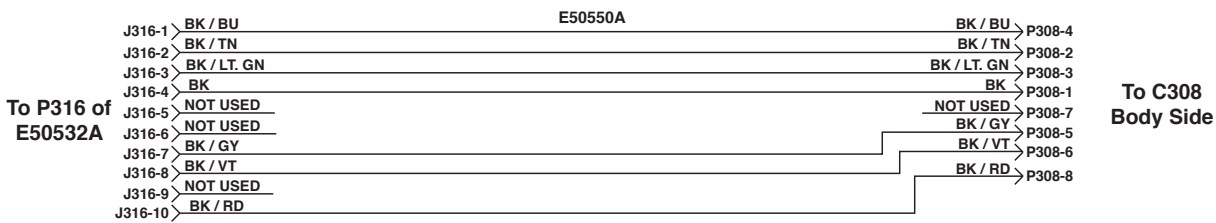
ELECTRICAL SCHEMATIC - EXTENSIONS - DRIVER SLIDE DOOR

Note: Includes up to "0602" conversions.

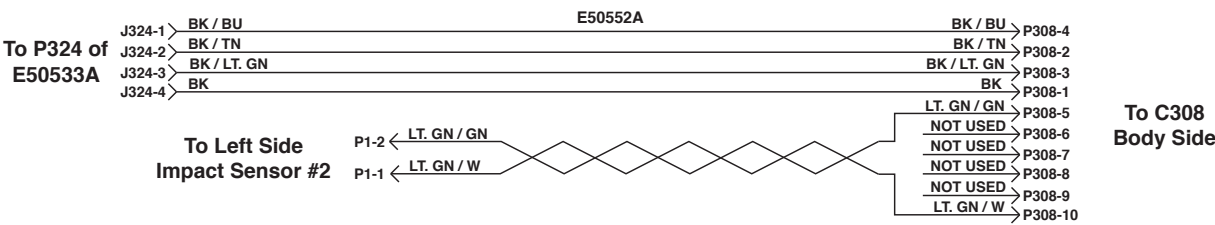
Electrical Schematic - Extensions - Manual Driver Slide Door w/o Side Air Bags



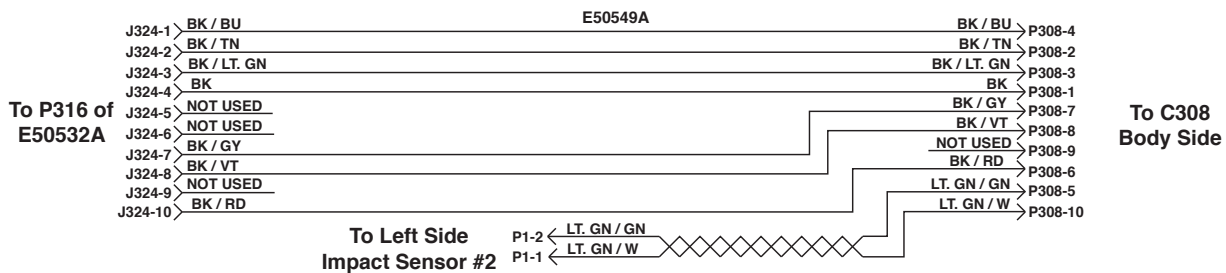
Electrical Schematic - Extensions - Power Driver Slide Door w/o Side Air Bags



Electrical Schematic - Extensions - Manual Driver Slide Door w/ Side Air Bags

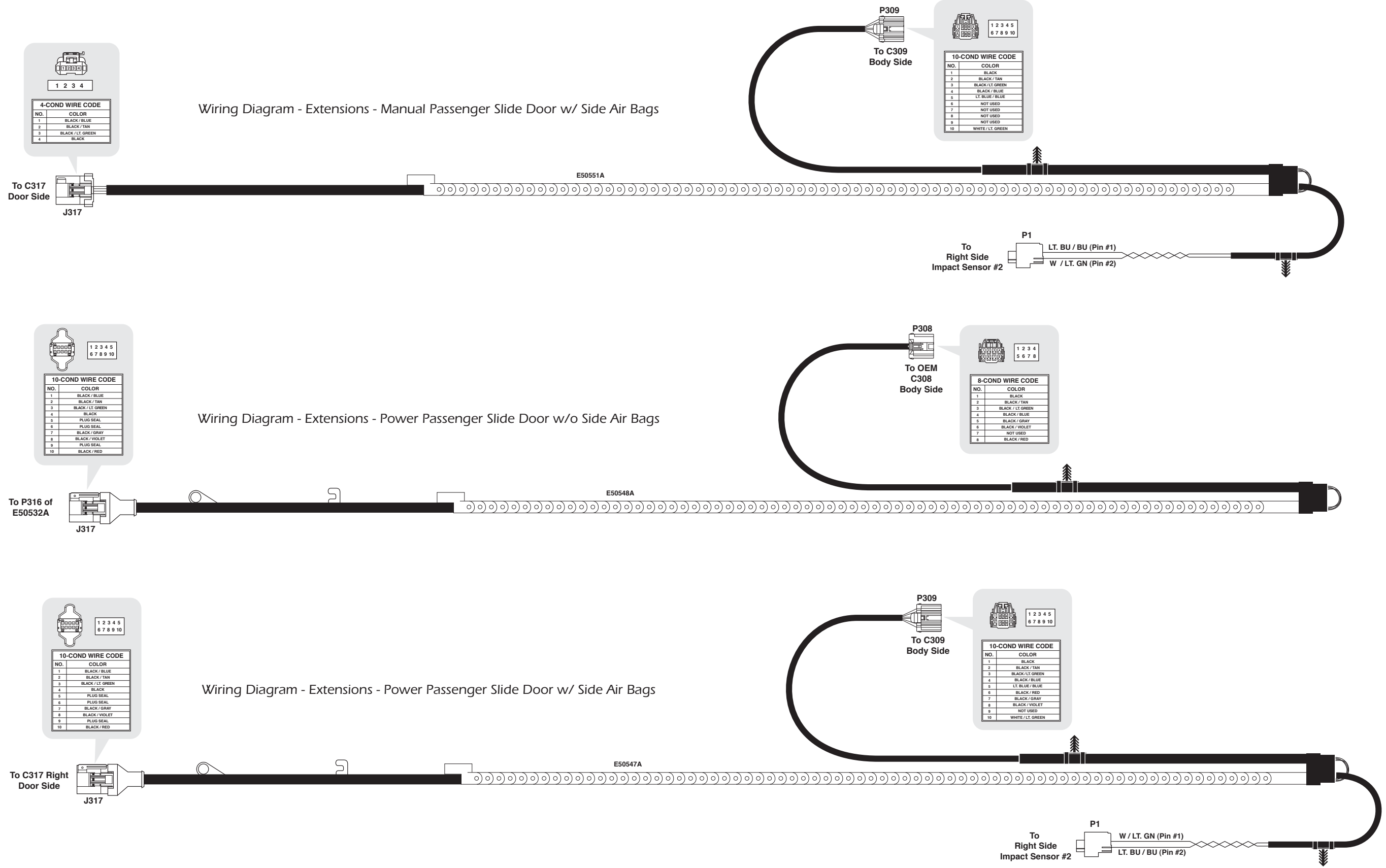


Electrical Schematic - Extensions - Power Driver Slide Door w/ Side Air Bags



DESCRIPTION	SYMBOL
CONNECTORS	⌵⌵
TWISTED WIRES	⌵⌵⌵⌵

Note: Includes up to "0602" conversions.

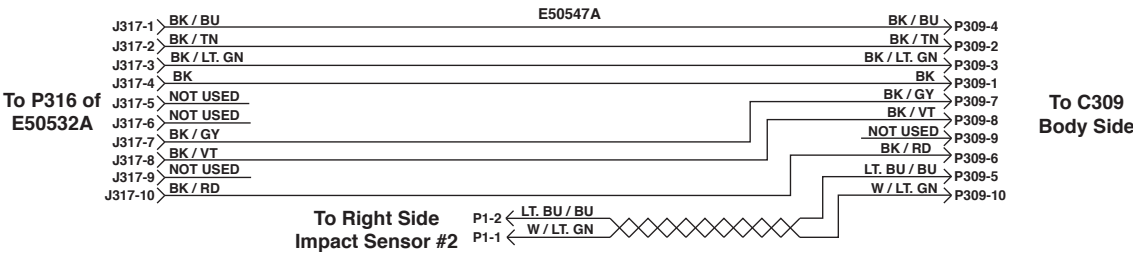


Unfold For:
Wiring Diagram
Extensions
Passenger Slide Door

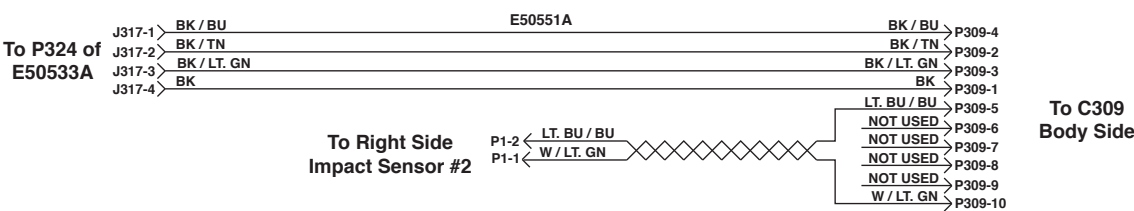
ELECTRICAL SCHEMATIC - EXTENSIONS - PASSENGER SLIDE DOOR

Note: Includes up to "0602" conversions.

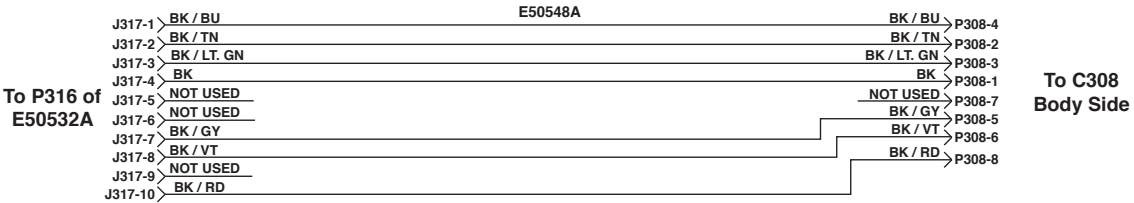
Electrical Schematic - Extensions - Power Passenger Slide Door w/ Side Air Bags



Electrical Schematic - Extensions - Manual Passenger Slide Door w/ Side Air Bags



Electrical Schematic - Extensions - Power Passenger Slide Door w/o Side Air Bags



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