



TOYOTA

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BETTER WAY

PROACE

Wiring Diagrams

Customer Service Support Division
Training Department

5 March 2013

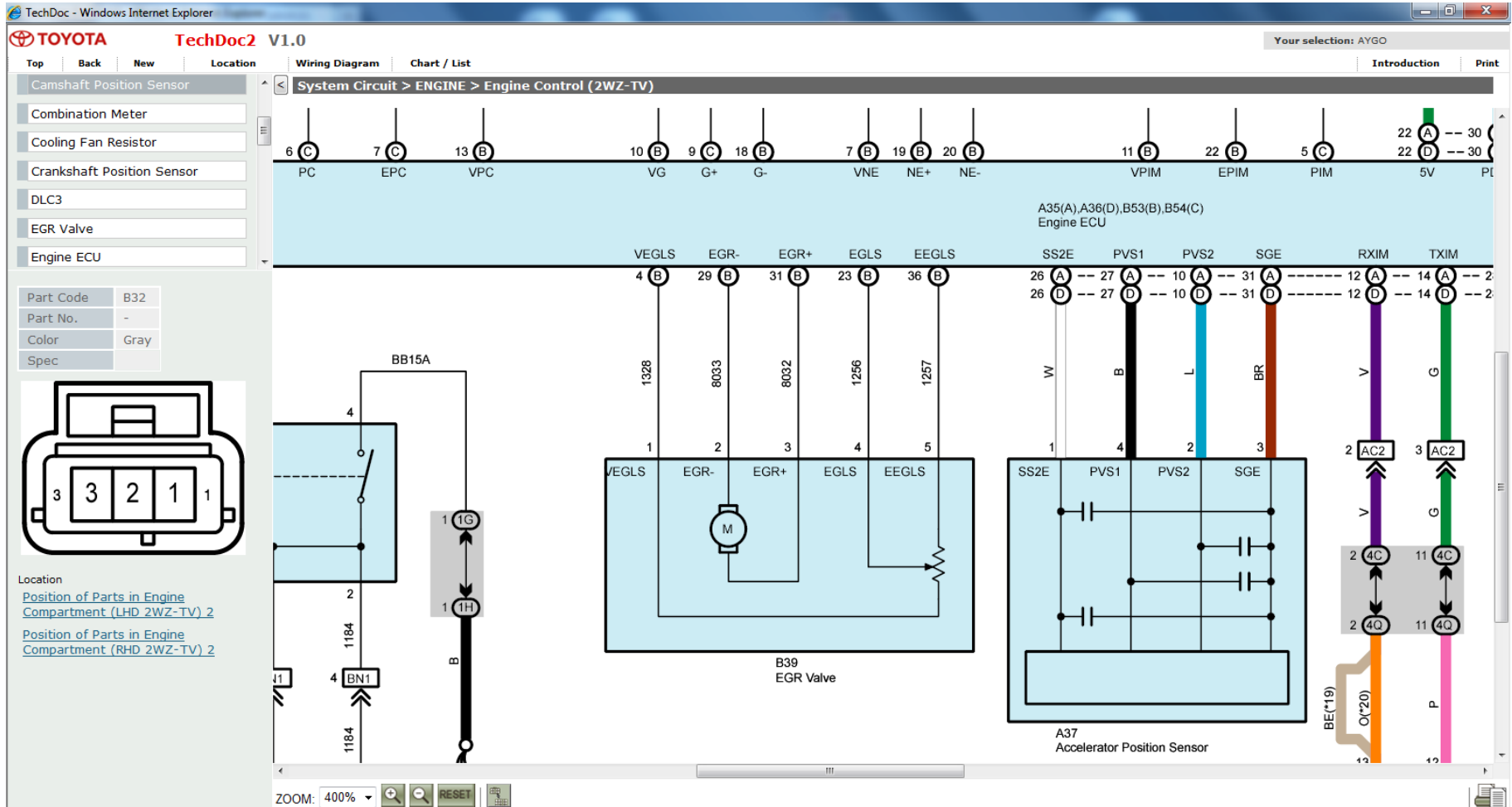
PSA Wiring Diagrams



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They are known, so no need for details 😊

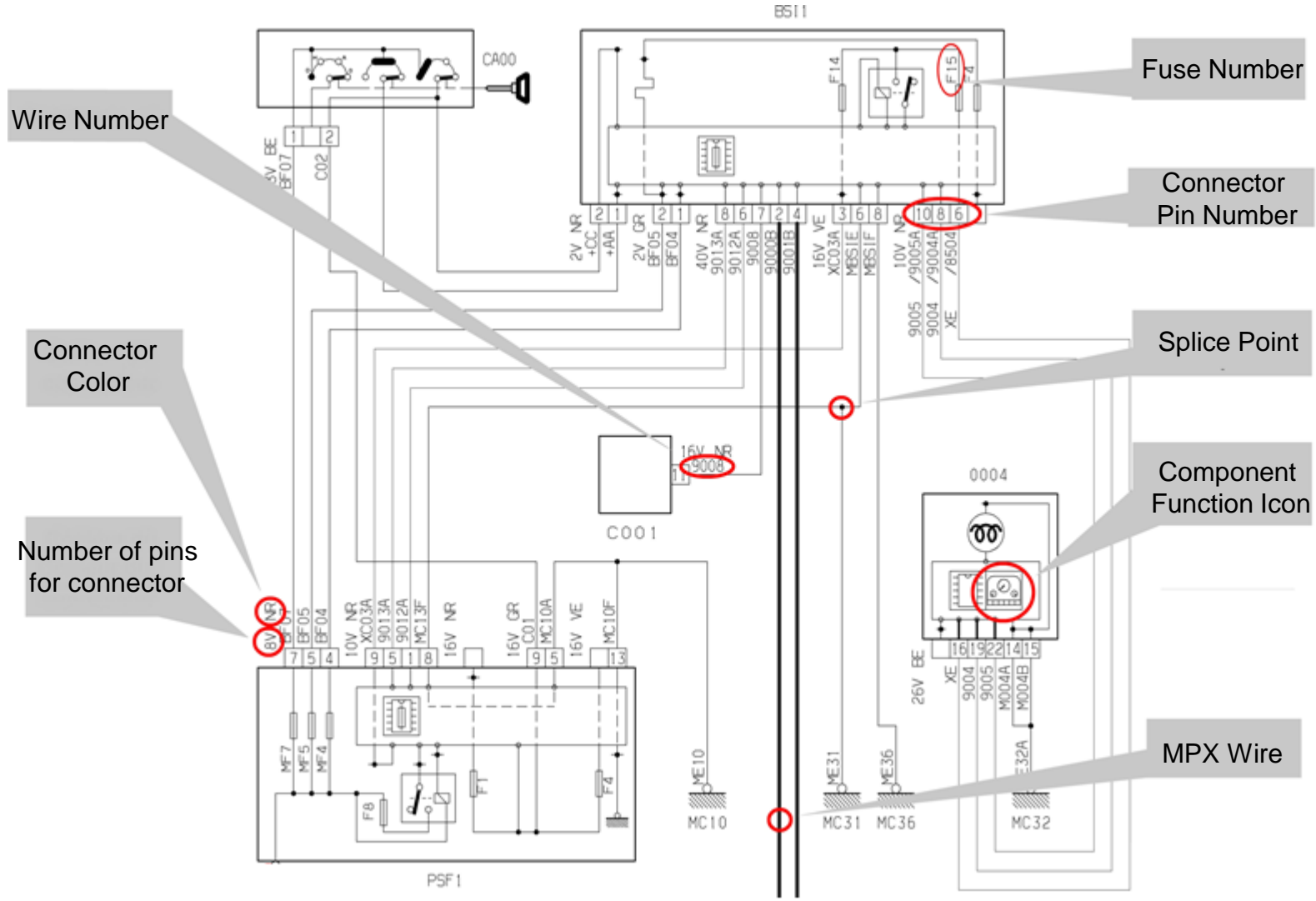


System Diagram 1/2



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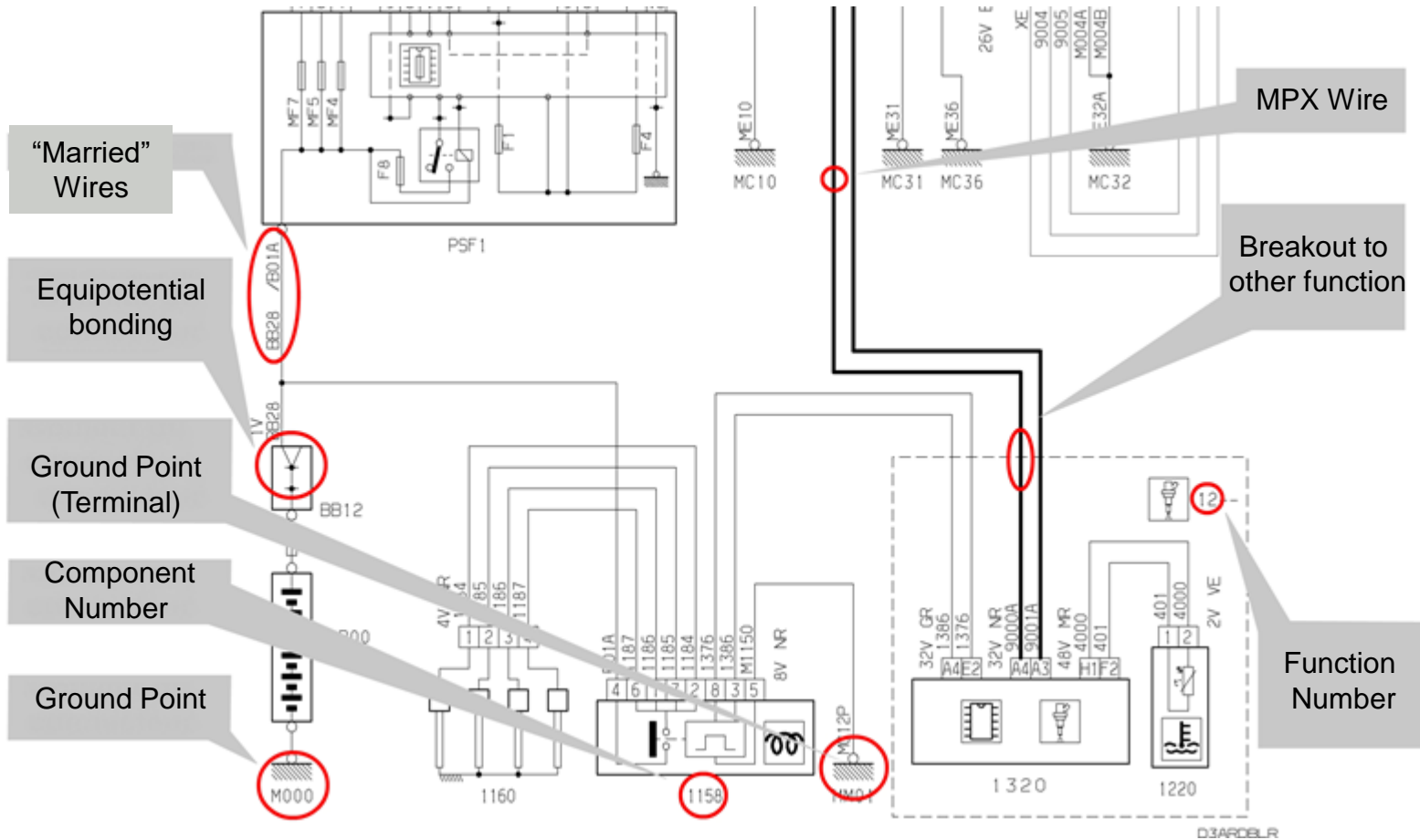


System Diagram 2/2



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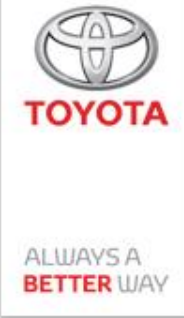
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System Diagram

Definitions

- Married Wires: multiple wires joined in a pin or eyelet
- Equipotential Bond: Position where voltages are equal
- Ground Point terminal: Multiple wires bolted to the vehicle body by eyelets
- Splice points : multiple wires joined by welding or crimping
- Breakout: partial presentation of another function (identified by dotted lines).



Loom Diagram



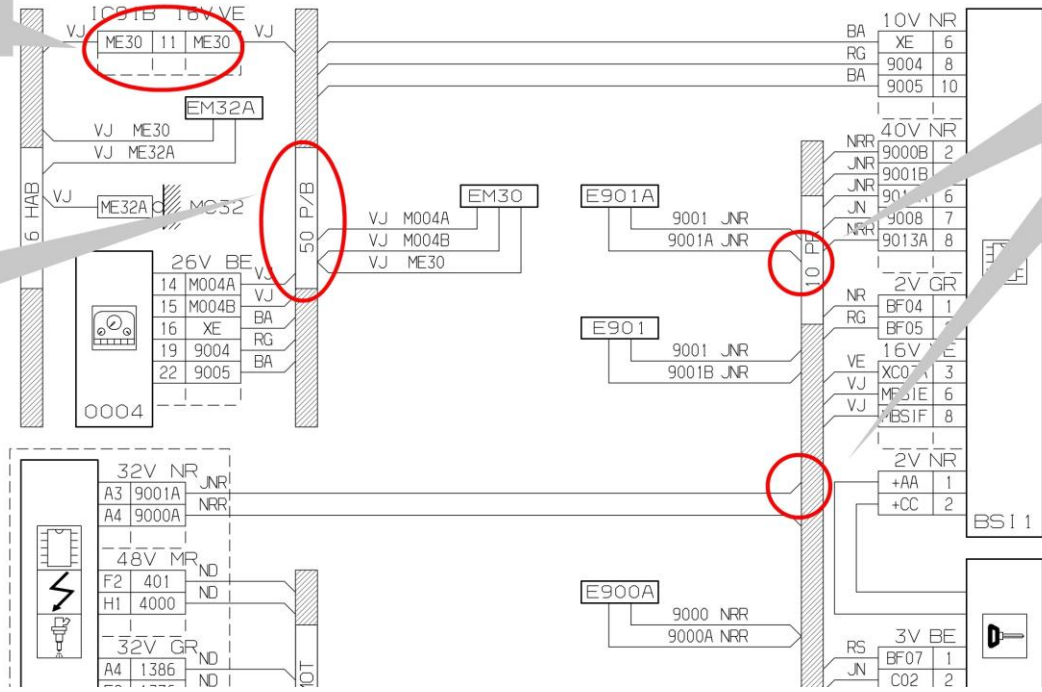
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Wire to Wire Connector (Partial)

Wire Direction in Loom

Loom Identification

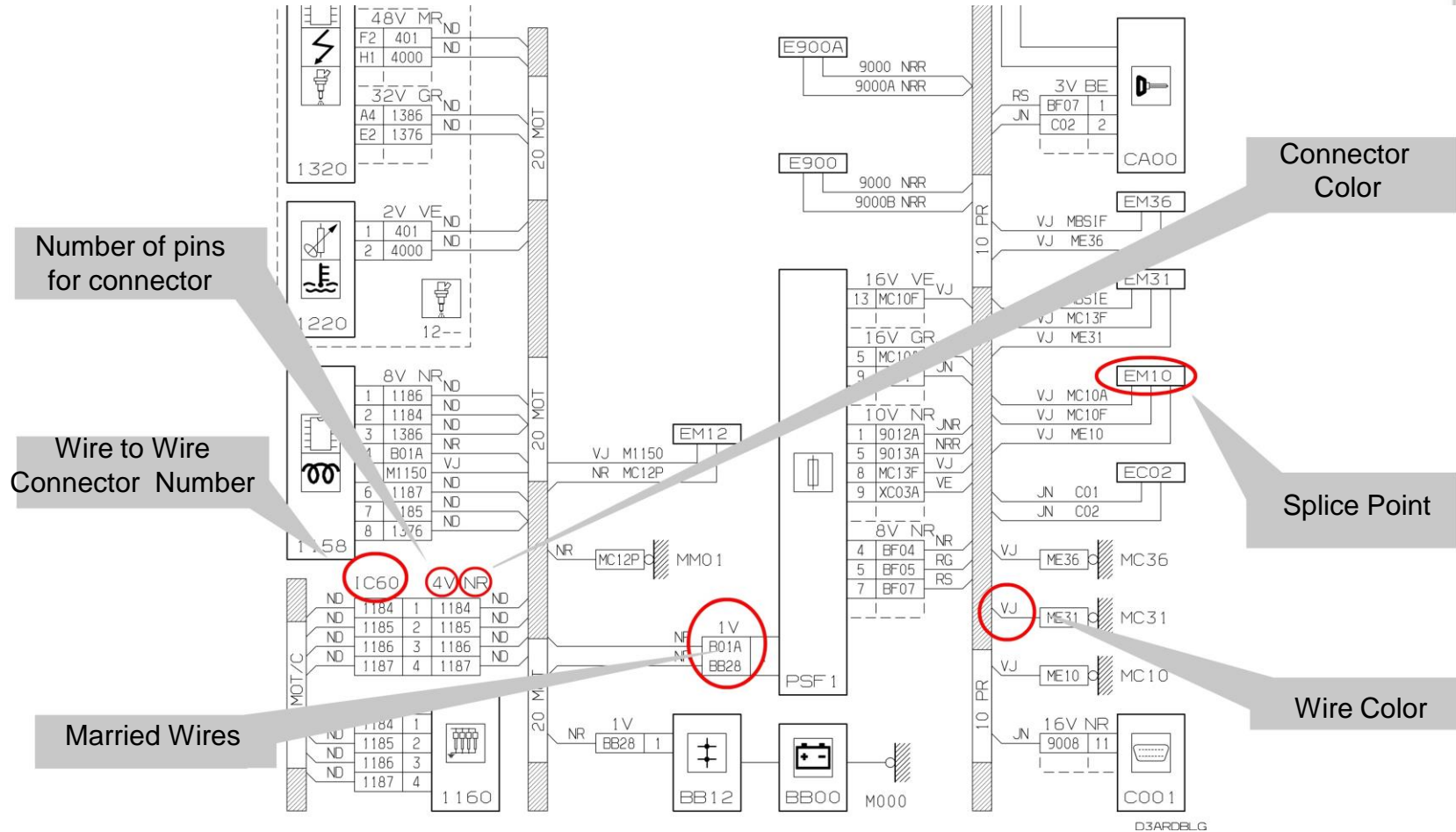


Loom Diagram



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Wiring Routing



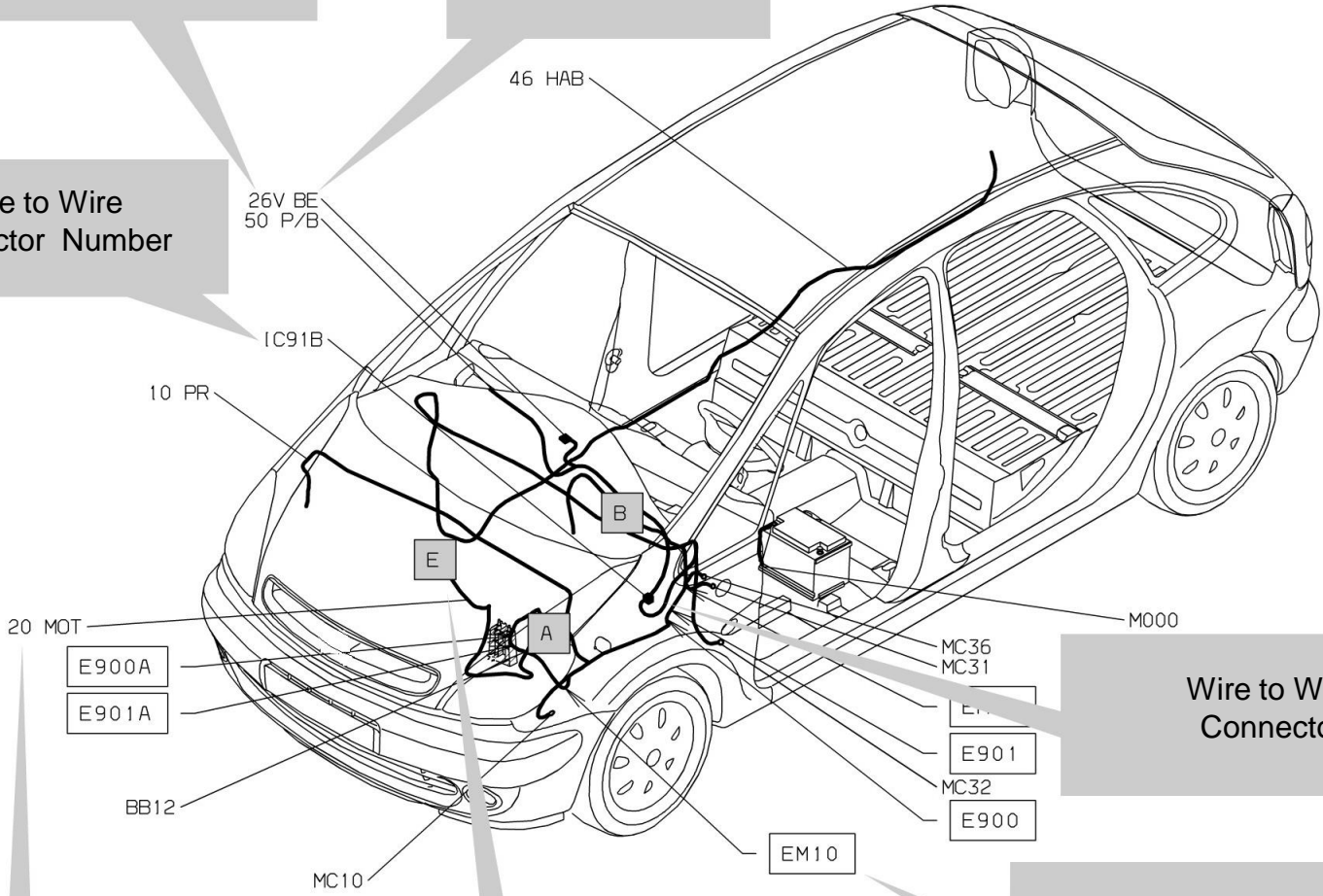
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Number of pins
for connector

Connector Color

Wire to Wire
Connector Number



Wire to Wire
Connector

Wiring Loom Number

Zoom

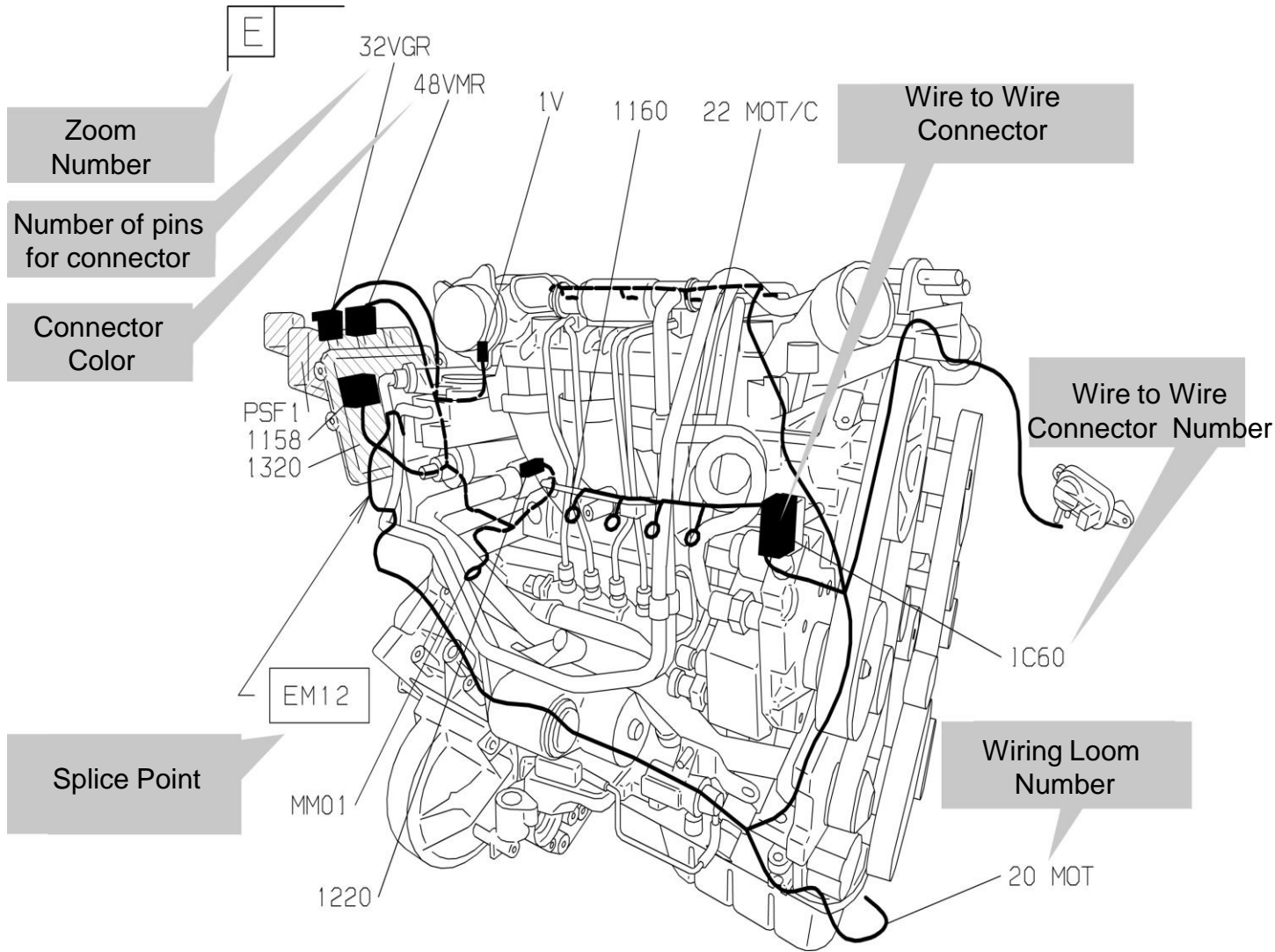
Splice Point

Wiring Routing (Zoom)



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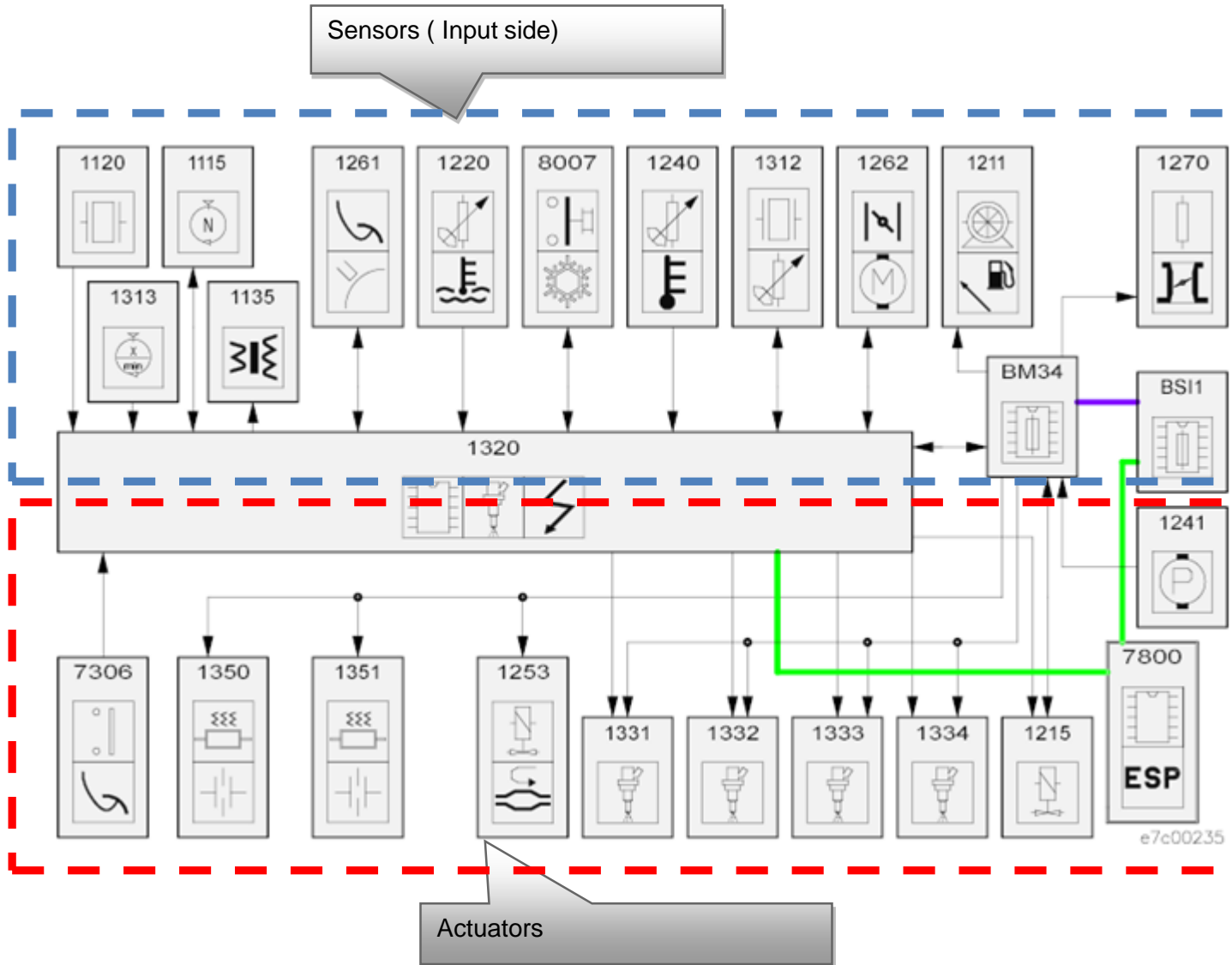


Synoptic Diagram



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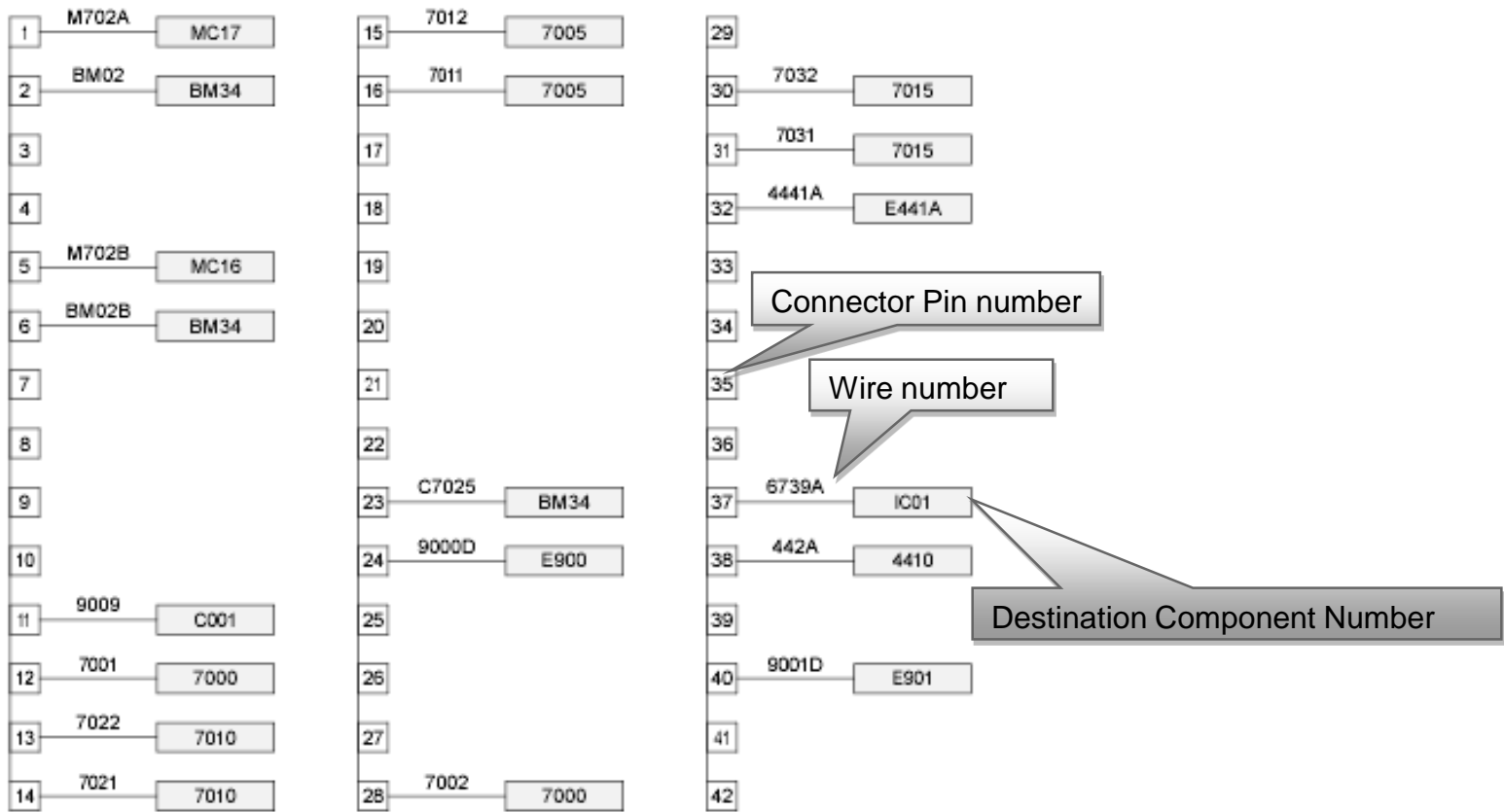
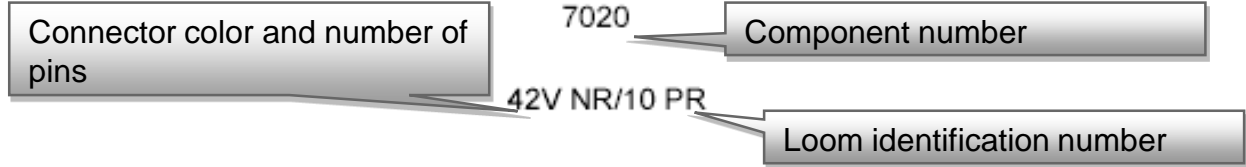


Connector Diagram



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d3fke8cc

Numbering Scheme



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Family	Function number
<p>Powertrain</p> 	<ul style="list-style-type: none">• 10 : starting, current generation• 11 : ignition, pre-heating• 12-13 : injection• 14 : engine diagnostics• 15 : cooling• 16 : gearbox, transmission• 17 : electric motor power supply, accumulator• 18 : gas circuit (CNG, LNG)
<p>Exterior Lighting & Signalling</p> 	<ul style="list-style-type: none">• 20: rear fog lights• 21: brake lights• 22: reversing lights• 23: indicator side marker lights, distress• 24: daytime running lights• 25: horns• 26: projectors, tail lights, license plate lights
<p>Interior Lighting</p> 	<ul style="list-style-type: none">• 30: interior lighting• 31: closed volumes lighting

Numbering Scheme



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Family	Function number
<p>Driver information</p> 	<ul style="list-style-type: none">• 40: engine coolant, current generation• 41: engine oil• 42: engine speed, air intake• 43: fuel, preheating• 44: brakes• 45: suspension• 46: gearbox, transmission• 47: audible alert• 48: engine control• 49: hood, doors, tailgate (openings)
<p>Washing & wiping</p> 	<ul style="list-style-type: none">• 50: windshield wipers• 51: windshield washer• 52: tailgate wiper• 53: tailgate washer• 54: headlight wiping & washing

Numbering Scheme



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Family	Function number
<p>Various body functions</p> 	<ul style="list-style-type: none">• 60: front electric windows• 61: rear electric windows• 62: central locking• 63: power seats• 64-6469: power mirrors• 6470-6499: steering column• 65: passive safety belts• 66: headlight levelling• 67: gearbox and transmission assistance• 68: sunroof
<p>Driving assistance</p> 	<ul style="list-style-type: none">• 70: braking• 71: variable power steering• 72: on-board computer, clock• 73: cruise control• 74: ice warning• 75: proximity sensor• 76: tire pressure warning• 77: suspension• 78: ABS, VSC

Numbering Scheme



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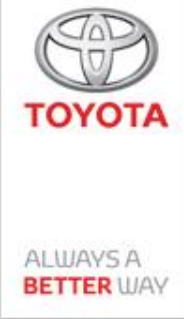
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Family	Function number
<p>Comfort</p> 	<ul style="list-style-type: none">• 80: air conditioning, refrigeration• 81: heating equipment (windows, heated mirrors, cigarette lighter)• 82: Immobilizer• 83: heated seats• 84: radio, antenna• 85: navigation• 86: alarm• 87: electric screen
<p>Multiplex</p>	<ul style="list-style-type: none">• 90: multiplex components

Wire Details

Color markers

Abbreviation	French Name	English
NR	Noir	Black
RG	Rouge	Red
JN	Jaune	Yellow
BA	Blanc	White
MR	Marron	Brown
VE	Vert	Green
BE	Bleu	Blue
OR	Orange	Orange
GR	Gris	Grey
MC	Multicolore	Multicolored
ND	Non Determine	Unspecified



Wire Details



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Power supply before fuses	Power supply after fuses
<ul style="list-style-type: none"> • BB : power supply + BAT • AA : power supply + ACC • CC : power supply + IG/ON • VV : power supply + Parking Light • KK : power supply + IG/OFF. 	<ul style="list-style-type: none"> • B : power supply + BAT • A : power supply + ACC • C : power supply + IG/ON • V : power supply + Parking Light • K : : power supply + IG/OFF. <p>E.g. B02A (Power supply type + fuse number + wire number + digit).</p>
<ul style="list-style-type: none"> • D : power supply : starting • BE : power supply : from BSI • BECE : power supply : from BSI • BF : power supply : Battery Maxi Fuse • BM : power supply: from BSM • CE : power supply : IG/On switched (from BSI) • CH : power supply : IG/On switched (from BFH) • CM : power supply : IG/On switched (from BSM/PSF) 	<ul style="list-style-type: none"> • D : locking • D : power supply + starter (from key cyl. CA00) • KE : power supply + IG/OFF (from BSI) • KH : power supply + IG/OFF (from BFH) • KM : power supply + IG/OFF (from BSM/PSF) • L : power supply + alternator • LH : power supply + alternator (from BFH) • LM : power supply + alternator (from BSM/PSF)

Wire Details



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Specific power supplies	Grounds
<p>Alimentations spécifiques et multiplexées:</p> <ul style="list-style-type: none">• AE : power supply: ACC (from BSI)• AH power supply: ACC (from BFH)• AM : power supply: ACC (from BSM/PSF)• AR : wake-up : ACC• RCD : remote wake-up• T : temporisation (10 min)• VE : power supply+ parking light (from BSI)• ZC : power supply:+ CAN Carrosserie• ZC1 : power supply:+ CAN Carrosserie 1• ZC2 : power supply:+ CAN Carrosserie 2• ZC3 : power supply:+ CAN Carrosserie 3• ZE : power supply: CAN Confort	<ul style="list-style-type: none">• M : Ground• MC : Body ground• ME : Electronic ground• MM : Engine ground • P : Engine running• PE : Engine running (from BSI)• PM : Engine running (from BSM/PSF) • R : dimmer (lighting)

Component Details

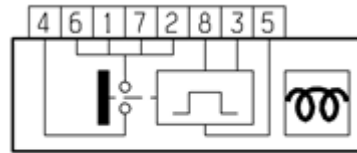


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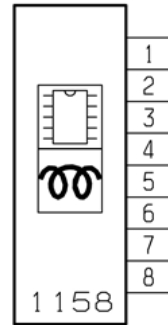
Eg: Glow plug controller (No: 1158)

Function number Component number



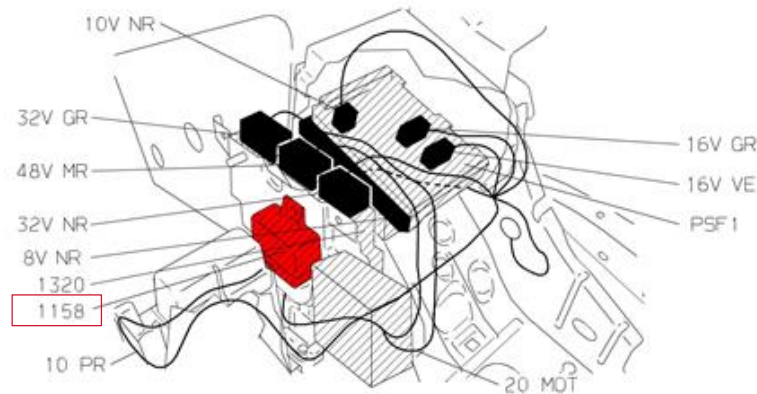
1158

- System diagram image



- Wiring loom diagram image

- Location diagram



Component Details

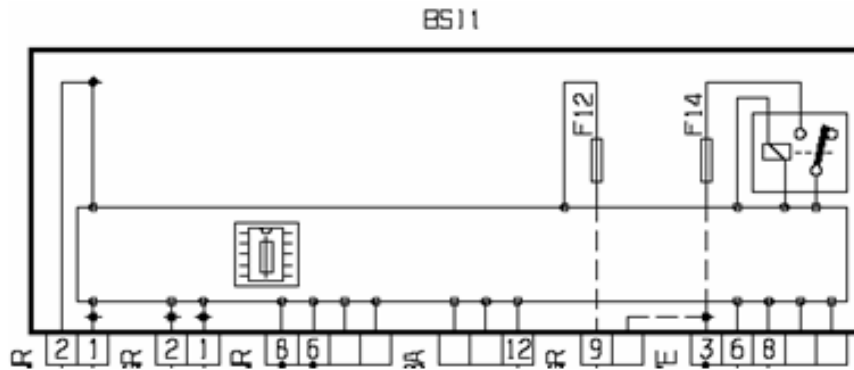
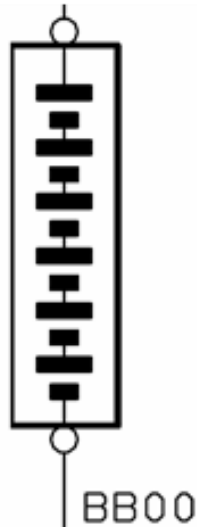


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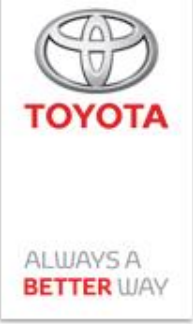
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Numbering exceptions

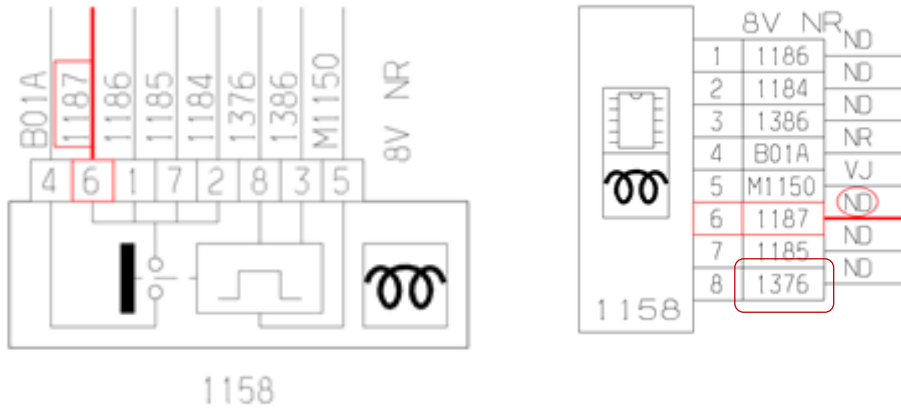
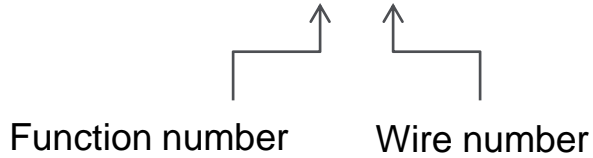
- Some components are attached to multiple functions
 - 0004 : instrument cluster,
 - BB00 : battery,
 - C001 : DLC3,
 - BSR : boîtier de servitude remorque (Towing Hitch)
 - BSI : boîtier de servitude intelligent (Main Body)
 -



Wire Details



Numbering: 1187



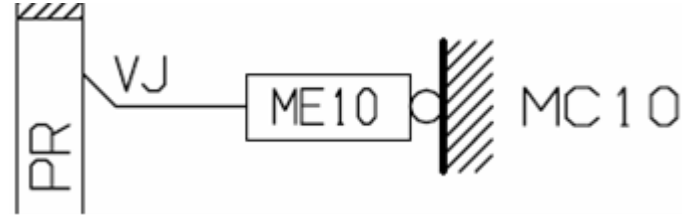
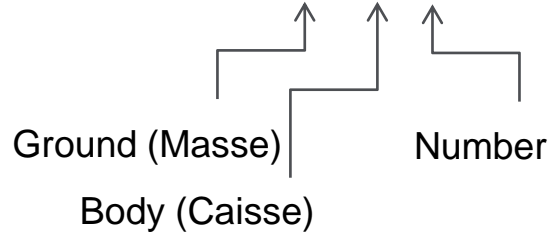
Wire 1376 is attached to an injection function

- Not all wires resolve to a function
 - Wire relating to ACC & IG/On will have numbers: CC__
 - Multiplex wires will start: 90__
 - Ground wires: M____

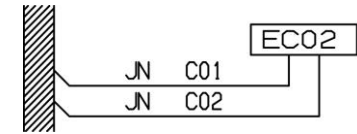
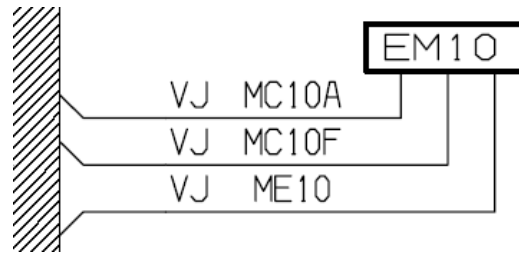
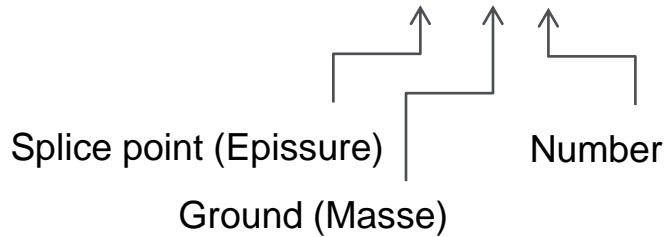
Wire Details



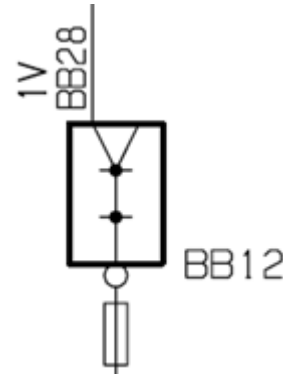
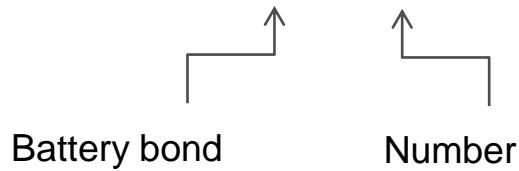
Ground wire: M C 10



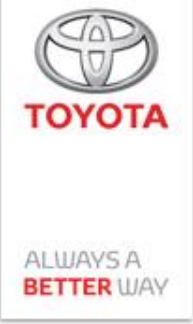
Splice points: E M 10



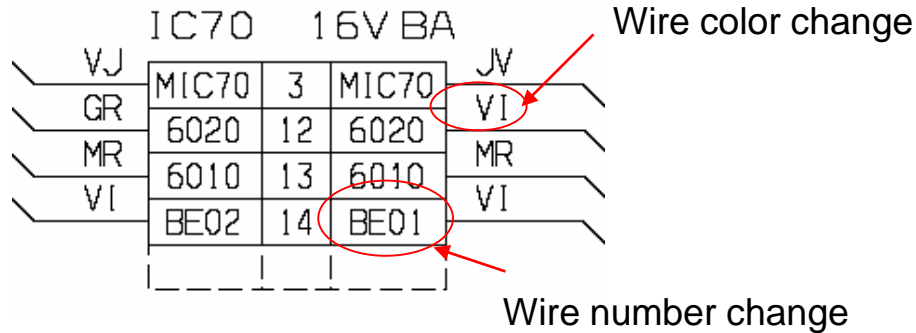
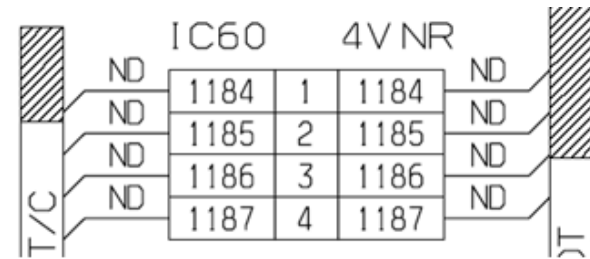
Equipotential bond: BB 12



Wire Details



Wire-to-Wire connections: IC 60



Wire Details

Wire loom numbering: 50 / PB



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Loom number

Location

65 P/P

51 JAU

02 CBN

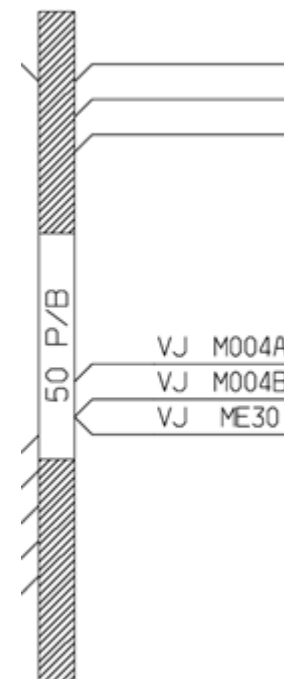
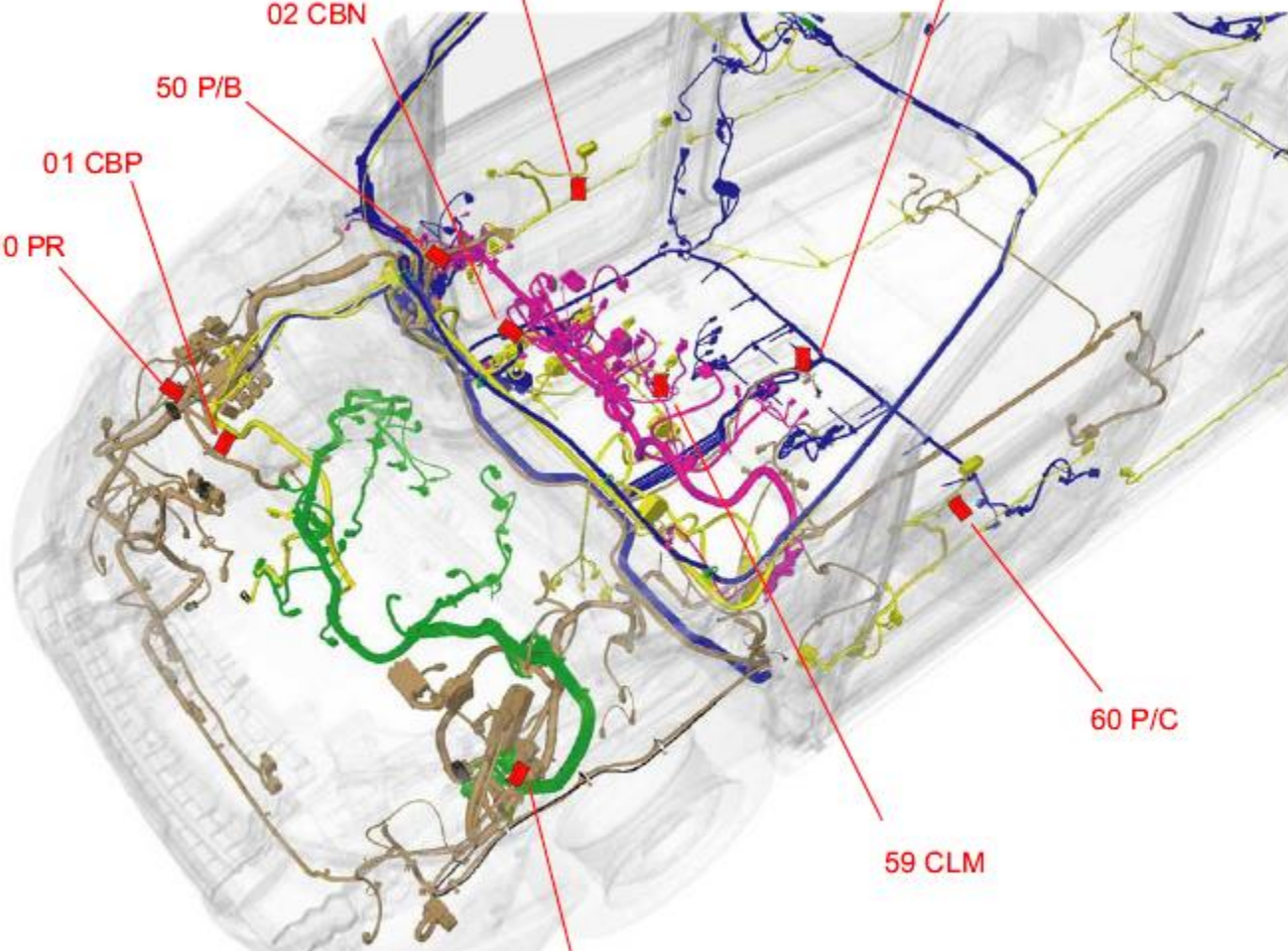
50 P/B

01 CBP

10 PR

60 P/C

59 CLM



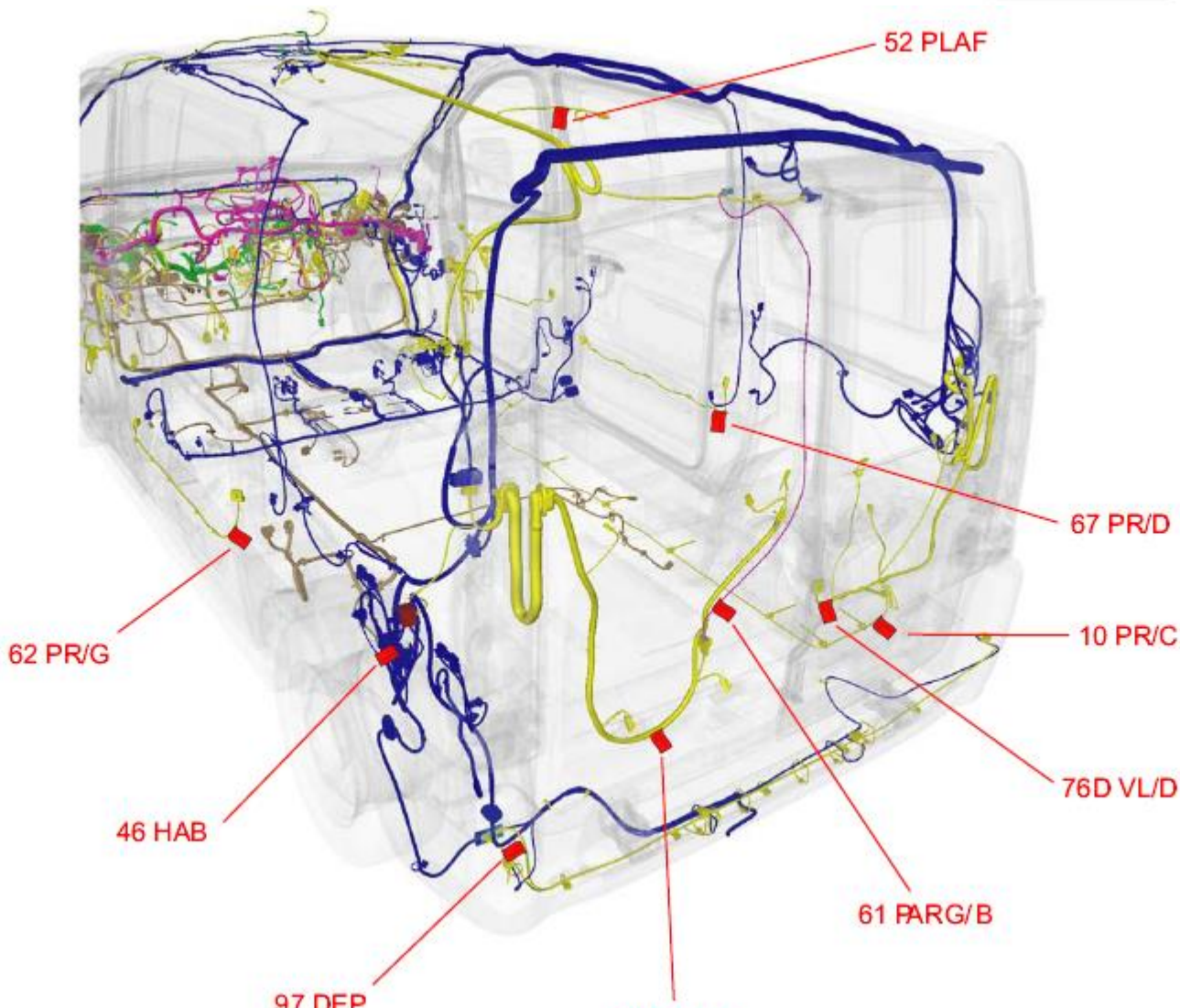
Wire Details

Wire loom identification



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SLAMI/TOURS

16/07/04

X6 STL

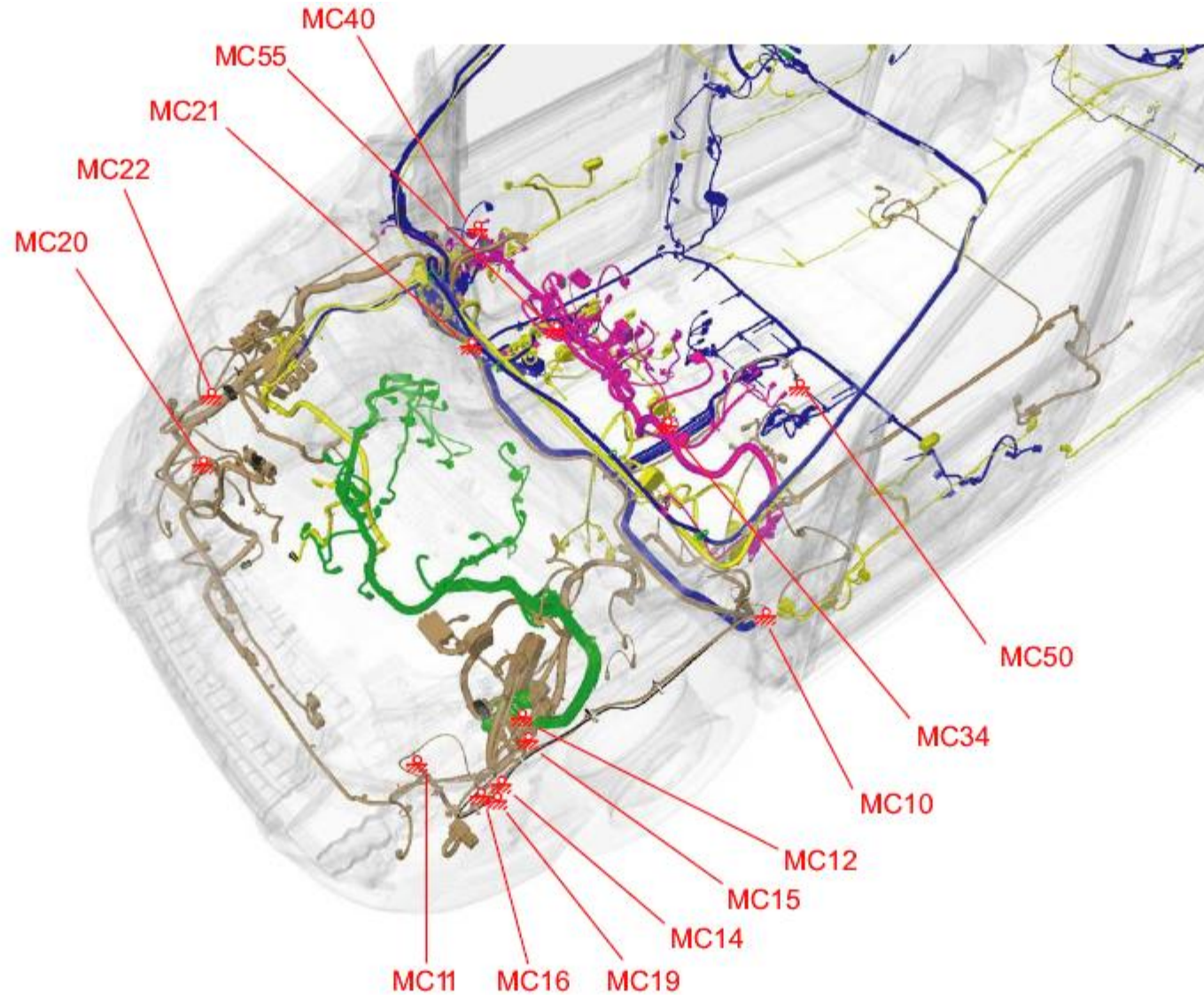
OR00M0

Nx LOT:333830

PSA 9656652980

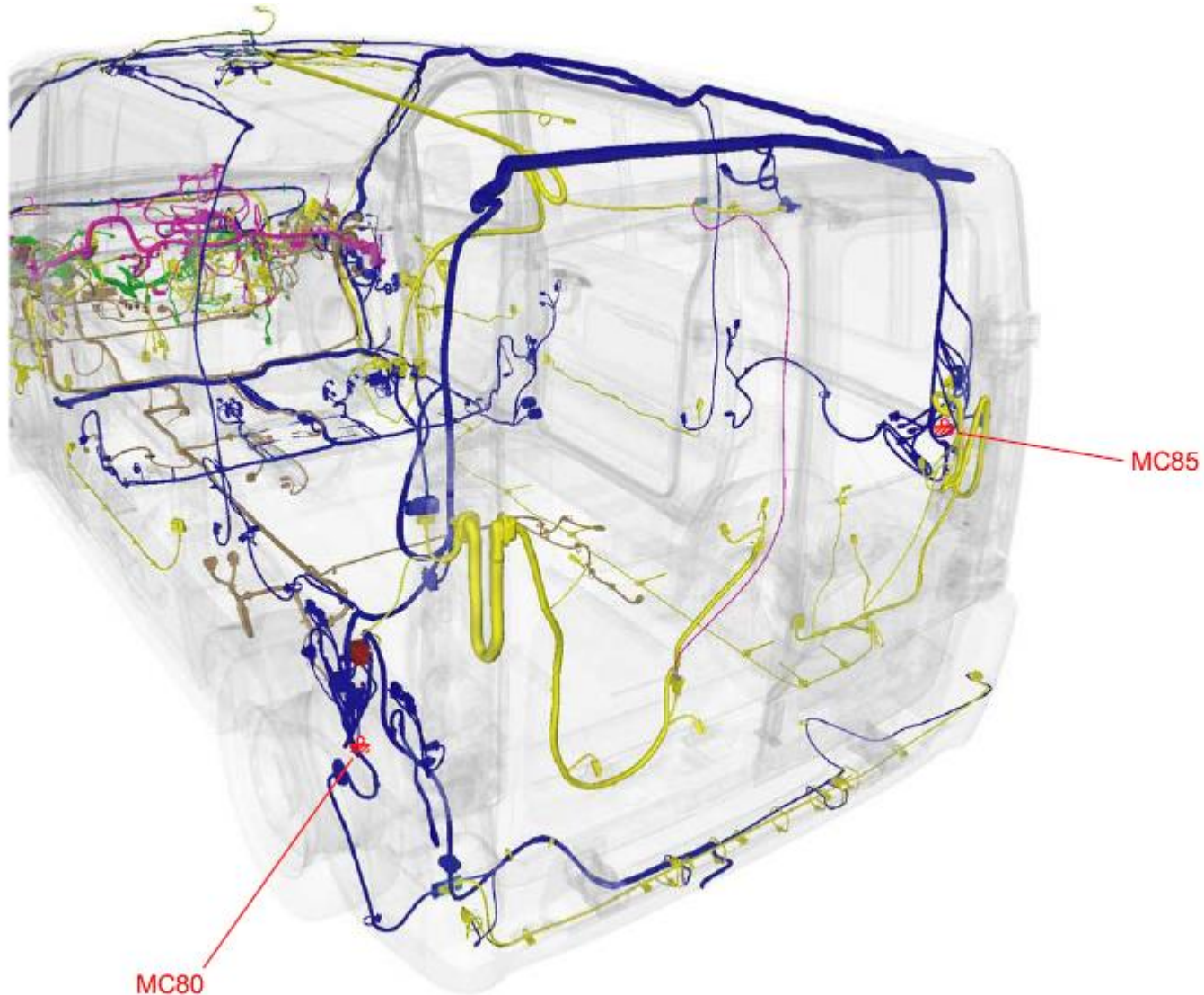
Location Diagrams

Ground Points 1/2



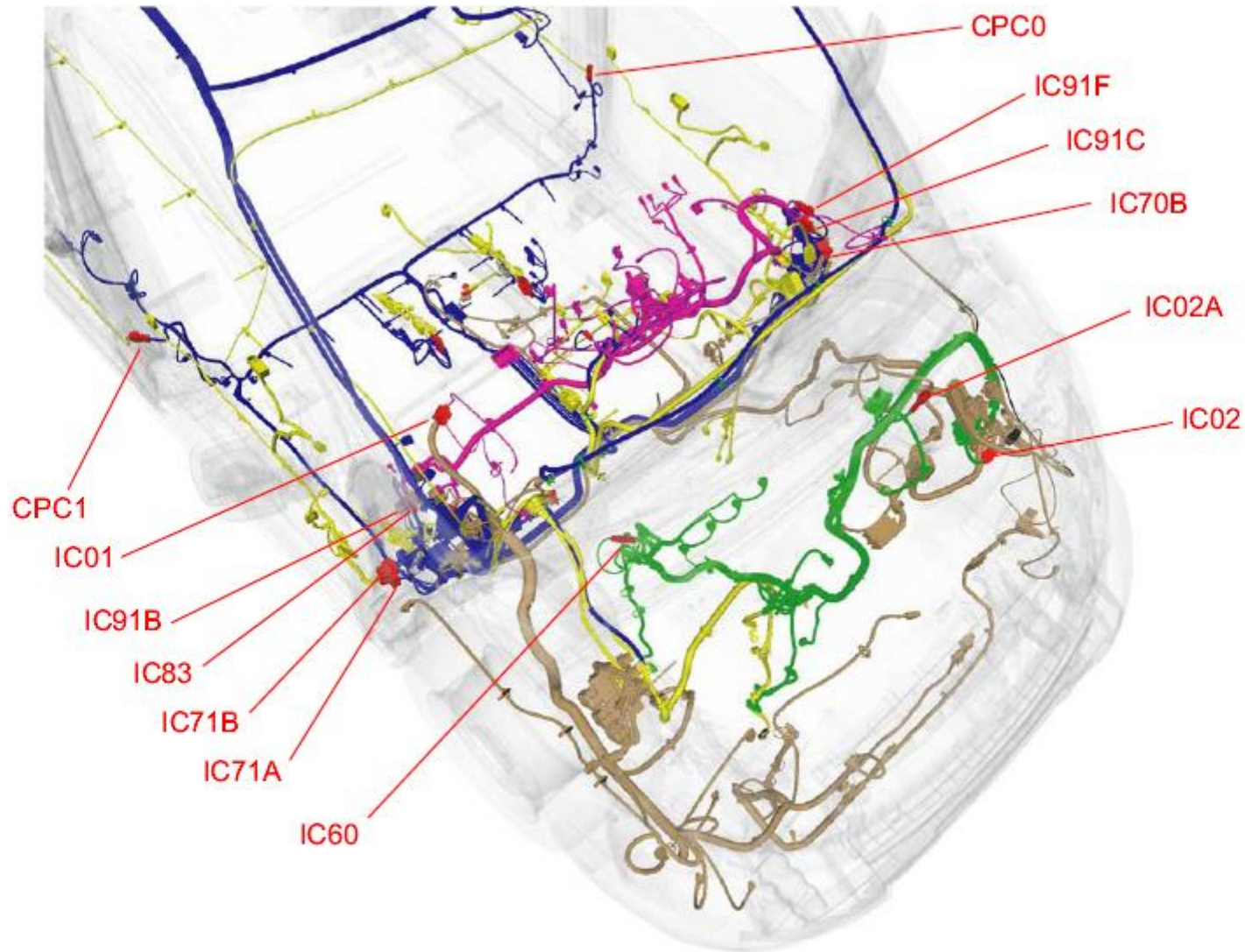
Location Diagrams

Ground Points 2/2



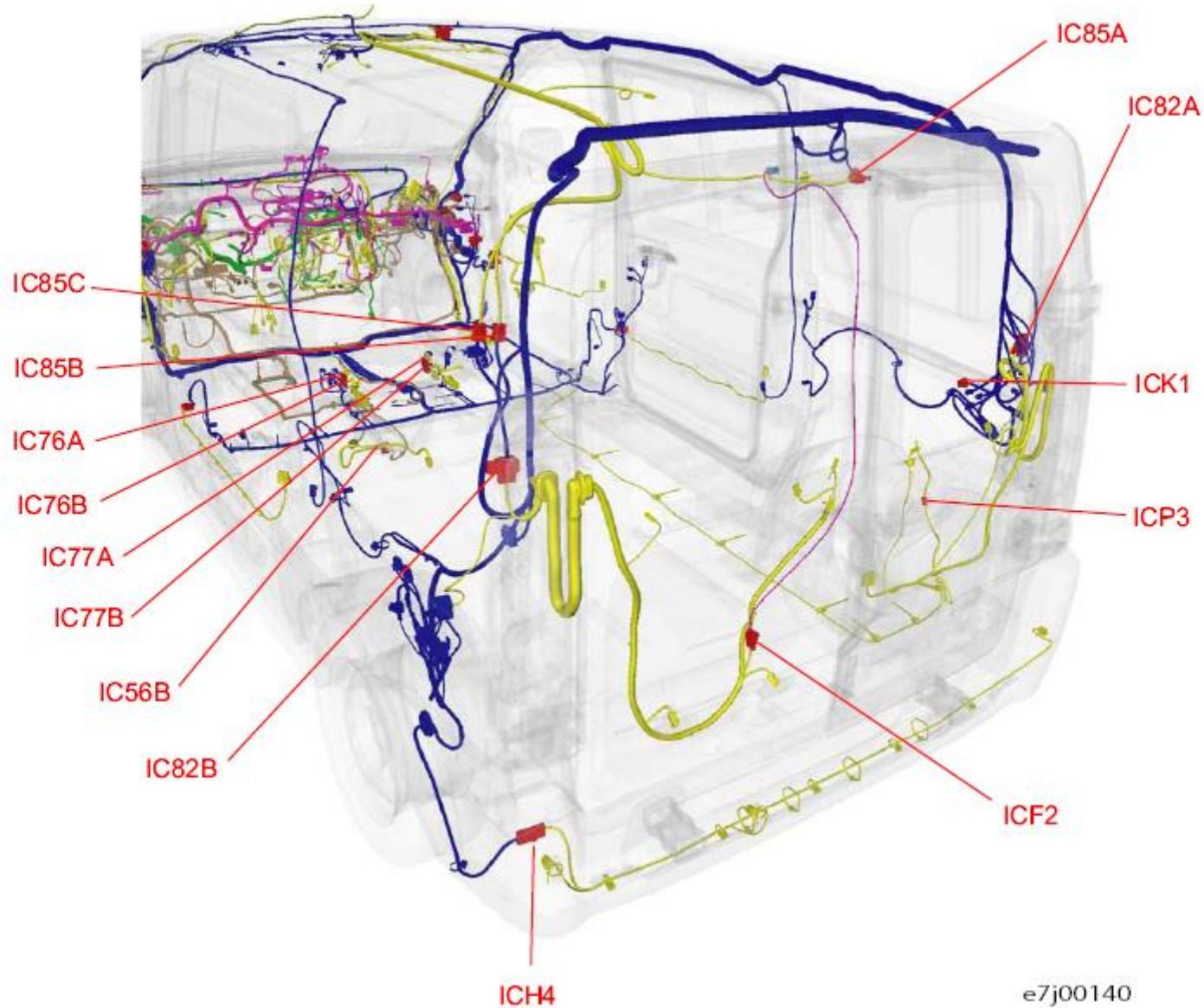
Location Diagrams

Wire-to-Wire Connectors 1/2



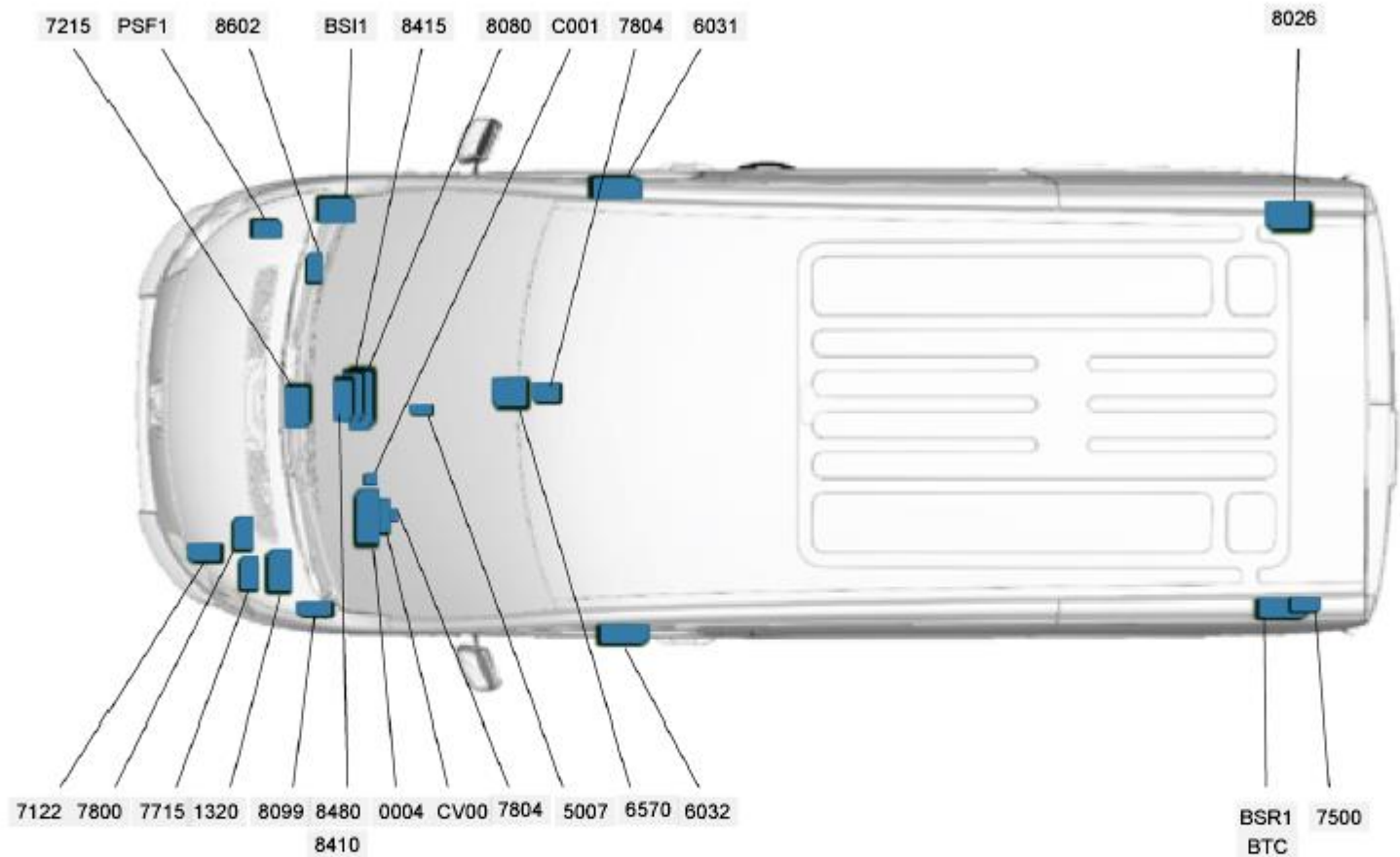
Location Diagrams

Wire-to-Wire Connectors 2/2



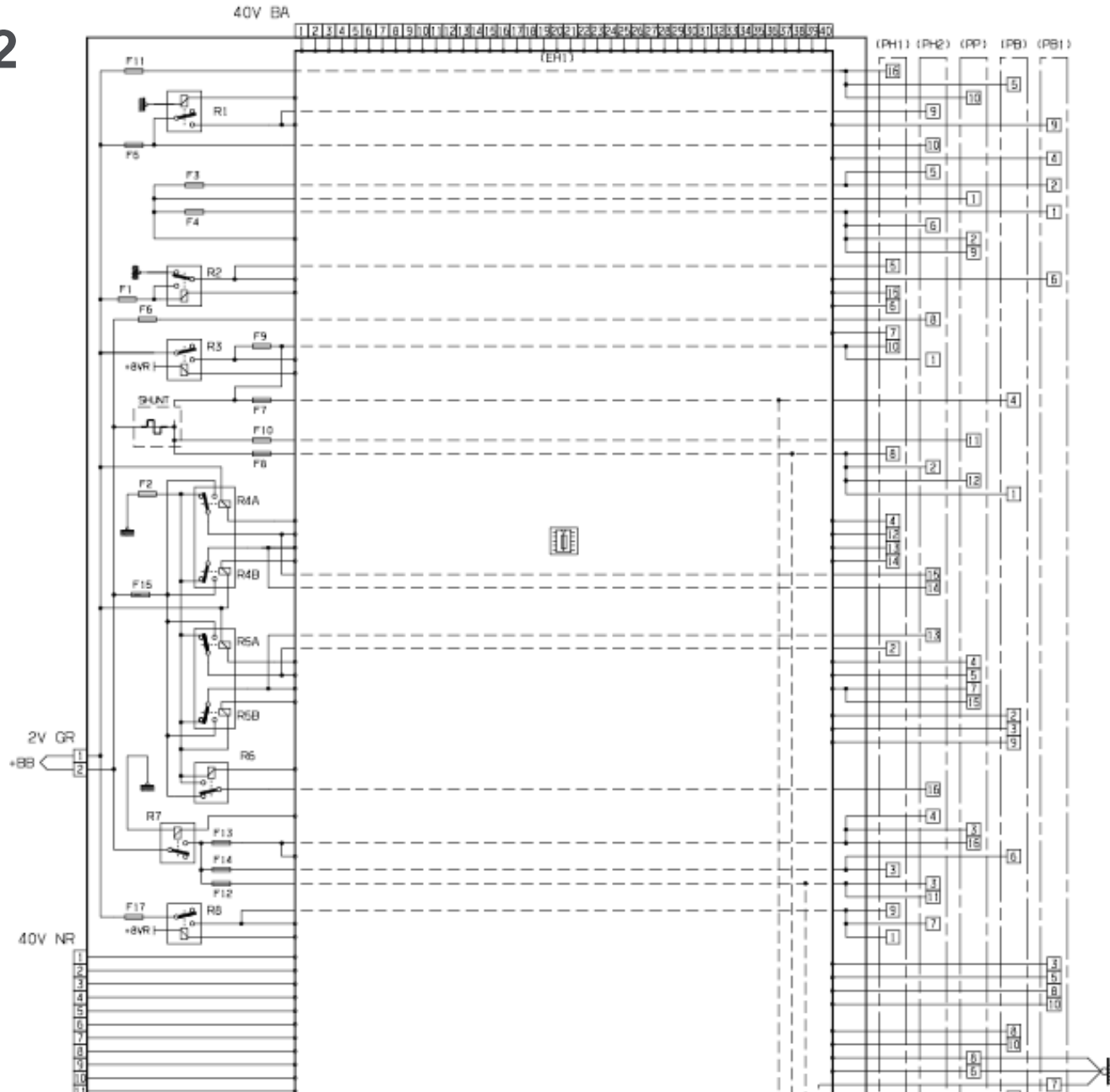
Location Diagrams

ECU Locations



Fuse box internal layout

BSI 1/2



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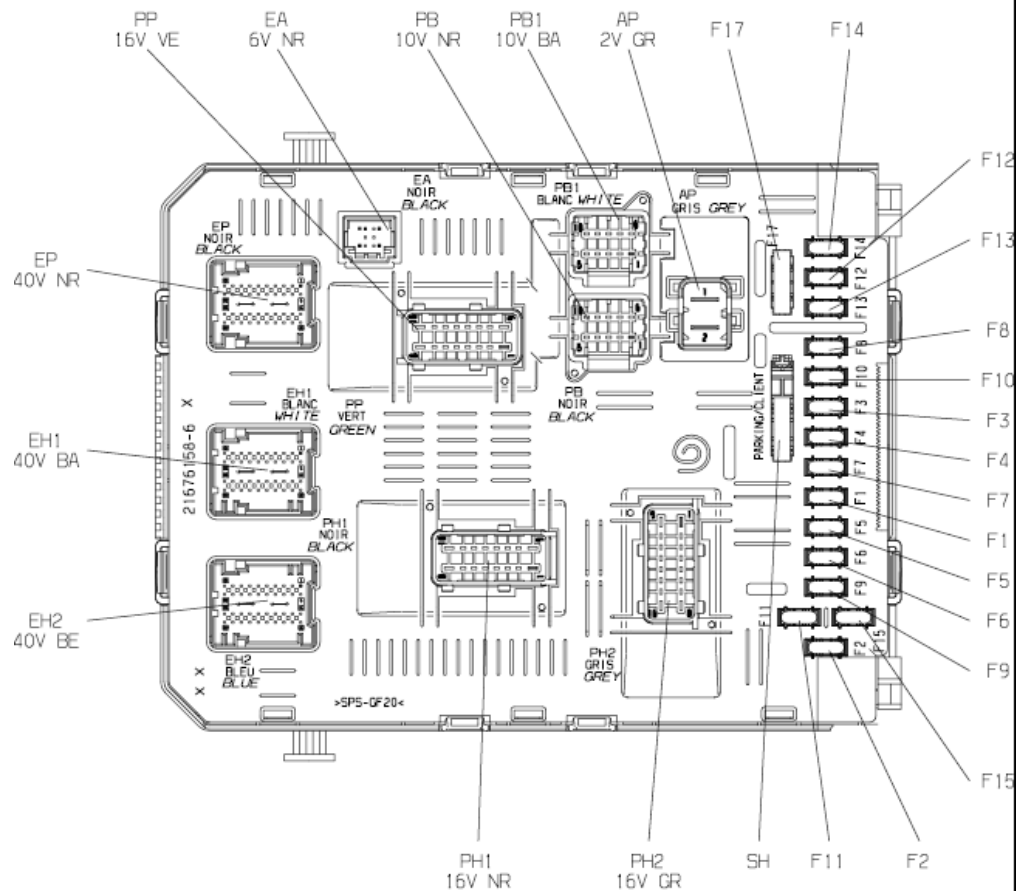
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Internal ECU configuration

BSI 2/2



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BSI 1



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