

Espaço Eletricista Automotivo

Esquema Elétrico

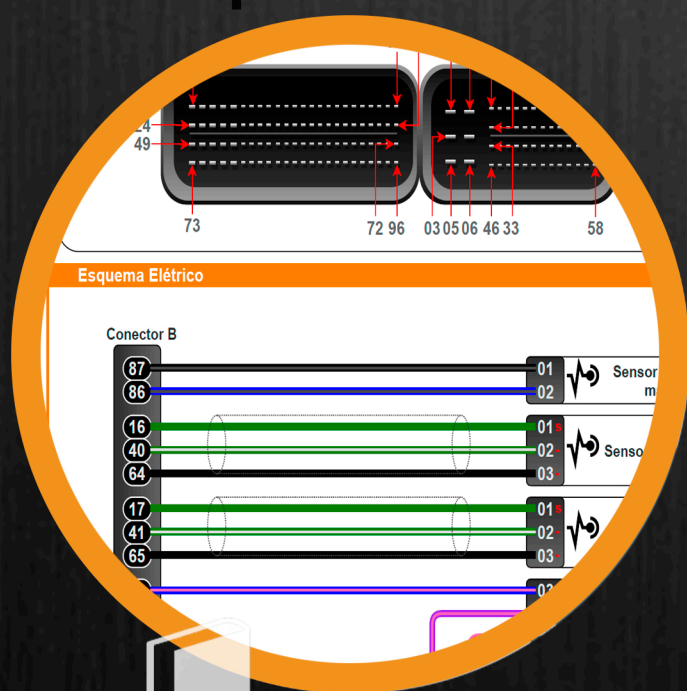
Injeção Eletrônica

DIESEL

Linha Leve & Pesada



Pincipais Modelos do Mercado



Fácil Leitura

ebook



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Espaço EA (Espaço Eletricista Automotivo)
Produção de conteúdo e treinamento automotivo.

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As imagens contidas neste material são meramente ilustrativas e servem apenas como referência. São passíveis de alteração de acordo com o modelo de cada veículo.

Espaço EA (Espaço Eletricista Automotivo)
Produção de conteúdo e treinamento automotivo.

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ÍNDICE

CHEVROLET	7
S10 2.8 16V Turbo Diesel (2012/...)	8
Trail Blazer 2.8 16V Turbo Diesel (2012/...)	8
DODGE	12
RAM 2500 5.9L (2008/...)	13
FIAT	16
Ducato Multijet 2.3 16V (2012/2018)	17
Toro 2.0 EDC17 C69 (2016/...)	21
FORD	25
Cargo 1723 6.7 EDC CM2150E (2012/2018)	26
Cargo 2423 6.7 EDC CM2150E (2012/2018)	26
Cargo 2429 6.7 EDC CM2150E (2012/2018)	26
Cargo 2623 6.7 EDC CM2150E (2012/2018)	26
Cargo 2629 6.7 EDC CM2150E (2012/2018)	26
F350 2.8 (2014/...)	30
F4000 2.8 (2014/...)	30
Ranger 3.0 Eletronic (2005/...)	33
Transit 2.4 TDCI (2006/2009)	36
HYUNDAI	39
HR 2.5 - D4CB (2013/...)	40
IVECO	43
Daily 35 C 14 – EDC 16C (2006/2009)	44
Daily 35 S 14 – EDC 16C (2007/2012)	44
Daily 35 C 17 – EDC 16C (2006/2009)	44
Daily 35 C 17 – EDC 16C (2006/2009)	44
Daily 40 C 14 – EDC 16C (2006/2009)	44
Daily 40 C 17 – EDC 16C (2006/2009)	44
Daily 65 C 14 – EDC 16C (2006/2009)	44
Daily 70 C 16 – EDC 16C (2007/2012)	44
Daily 65 C 17 – EDC 16C (2006/2009)	44
Daily 70 C 16 HD Massimo – EDC 16C (2010/2012)	44
Daily 40 S 16 – EDC 16C (2007/2012)	44
Daily 45 S 14 – EDC 16C (2007/2012)	44
Daily 45 S 16 – EDC 16C (2007/2012)	44
Daily 50 C 14 – EDC 16C (2006/2009)	44
Daily 50 C 17 – EDC 16C (2006/2009)	44
Daily 55 C 16 – EDC 16C (2007/2012)	44
Scudato 70 C 16 – EDC 16C (2007/...)	44

Daily 35 S 14 - 3.0 16v 164cv (2012/2018).....	48
Daily 45 S 17 - 3.0 16v 170cv (2012/2018).....	48
Daily 55 C 17 - 3.0 16v 170cv (2012/2018)	48
Daily 70 C 17 - 3.0 16v 164cv (2012/2018)	48
Daily Vetrato 45 S 17 - 3.0 16v 164cv (2012/2018)	48
Daily Vetrato 55 C 17 - 3.0 16v 170cv (2012/2018)	48
Scudato 70 C 17 - 3.0 16v 170cv (2012/2018)	48
Stralis 450 8.7 – EDC 7 UC31 (2012/2018)	52
Stralis 460 8.7 – EDC 7 UC31 (2012/2018)	52
Stralis 500 8.7 – EDC 7 UC31 (2012/2018)	52
Stralis 530 8.7 – EDC 7 UC31 (2012/2018)	52
Stralis 450 8.7 – Sistema SCR – Euro 5 (2012/2018)	56
Stralis 460 8.7 – Sistema SCR – Euro 5 (2012/2018)	56
Stralis 500 8.7 – Sistema SCR – Euro 5 (2012/2018)	56
Stralis 530 8.7 – Sistema SCR – Euro 5 (2012/2018)	56
Tector 4.5 - EDC 7 UC31 (2012/...)	57
Tector 170 E 22 5.9 - EDC 7 UC31 (2012/...)	60
Tector 170 E 28 5.9 - EDC 7 UC31 (2012/...)	60
Tector 240 E 22 5.9 - EDC 7 UC31 Attack (2012/...)	60
Tector 240 E 28 5.9 - EDC 7 UC31 (2012/...)	60
Tector 260 E 28 5.9 - EDC 7 UC31 (2012/...)	60
Sistema de Redução Catalítica Seletiva (SCR) – Arla 32.....	63
JEEP	64
JEEP Renegade 2.0 Diesel (2015/...).....	65
LAND ROVER	69
Range Rover Evoque 2.2 SD4 (2011/2015)	70
MARCOPOLO - AGRALE	74
Agrale 8500 E-Tonic – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
Agrale 9200 E-Tonic – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
Volare W8 Eletrônica 4.8 (2005/2011) – MWM Acteon 4.12 TCE – EDC 7C.....	75
Volare W9 4.8 – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
Volare W12 4.8 – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
MERCEDES.....	78
Actros 2546 12.0 (2012/2015)	79
Actros 2546 LS 12.0 (2012/2015).....	79
Actros 4844 K 12.0 (2012/2015)	79
Modulo de Carroceria – Central FR.....	82
Sistema de Redução Catalítica Seletiva (SCR) – Bluetec 5 F1	84
Sprinter 311 Street(906)2.2 16V Biturbo 114cv (2012/...) – DELPHI CDID 2	85

Sprinter 415(906)2.2 16V Biturbo 146cv (2012/...) – DELPHI CDID 2	85
Sprinter 515(906)2.2 16V Biturbo 146cv (2012/...) – DELPHI CDID 2	85
MITSUBISHI	90
L200 Triton 3.2 (2012/...)	91
Pajero Sport 2.5 TD - EDC vrz 1.0 (2001/2009)	94
NISSAN	97
Frontier 2.5 (2012/...).....	98
RENAULT	102
Master 2.5 DCI - EDC 15C3 (2003/2009).....	103
SCANIA	106
114 (340/380) - DC 11(1998/2004).....	107
124 420 – DC 12 (1998/2003)	107
TOYOTA	109
Hilux 2.5 TDi - 2KD-FTV (2004/2011)	110
Hilux SW4 2.5 TDi - 2KD-FTV (2005/2011)	110
Hilux 3.0 D-4D - 1KD-FTV (2004/2011).....	110
Hilux SW4 3.0 D-4D - 1KD FTV (2005/2011).....	110
TROLLER	113
T4 3.0 TDI - Siemens SID 901 (2005/2012).....	114
Pantanal 3.0 TDI - Siemens SID 901 (2006/2007)	114
VOLKSWAGEN	116
Amarok 2.0 TDI - CDBA (2009/2012)	117
Constellation 19.320 8.3 (2006/...)	121
Constellation 25.320 8.3 (2007/...)	121
Constellation 31.320 8.3 (3007/...)	121
Constellation 17.250 5.9 (2005/2011)	125
Constellation 24.250 5.9 (2005/2011)	125
Constellation 13.190, 15.190, 17.190 (2012/...)	130
Volksbus 15.190, 17.230 (2012/...)	130
Worker 13.190, 15.190, 17.190 (2012/...)	130
VOLVO	133
B9 R - D9B (2007/...).....	134
FM - D13A (2006/...)	134
FH - D13A (2006/...)	134
VM 220 7.2 (2012/2019).....	137
VM 270 7.2 (2012/2019).....	137
VM 330 7.2 (2012/2019).....	137
Sistema de Redução Catalítica Seletiva (SCR)	141



CHEVROLET

Modelos

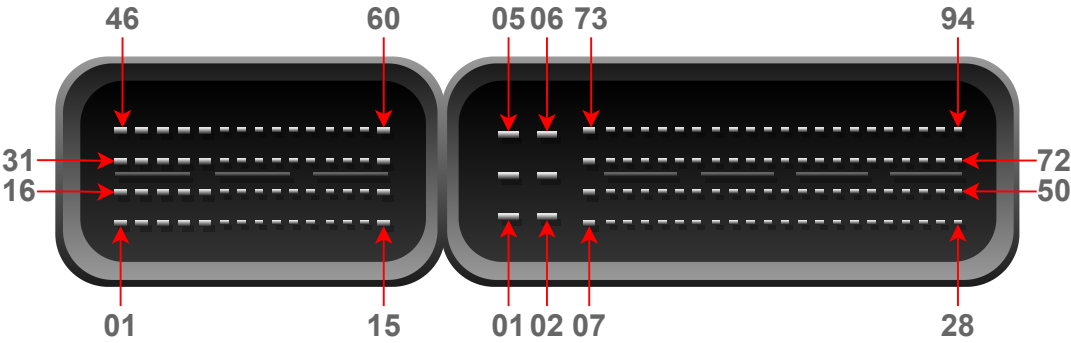
S10 2.8 16V Turbo Diesel (2012/...)	8
Trail Blazer 2.8 16V Turbo Diesel (2012/...)	8

Modelos:
S10 2.8 16V Turbo Diesel (2012/...)
Trail Blazer 2.8 16V Turbo Diesel (2012/...)

Conectores da Central

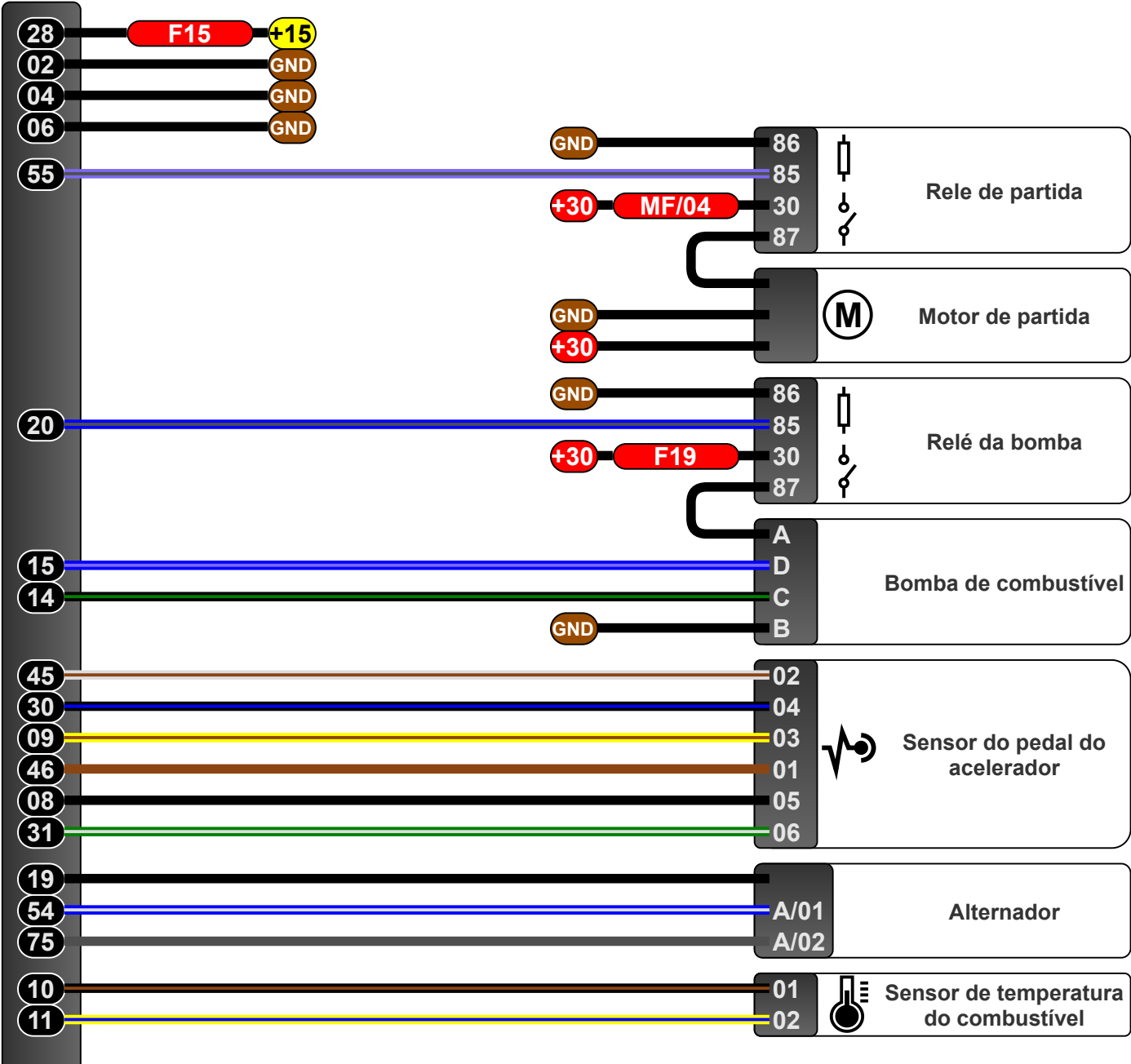
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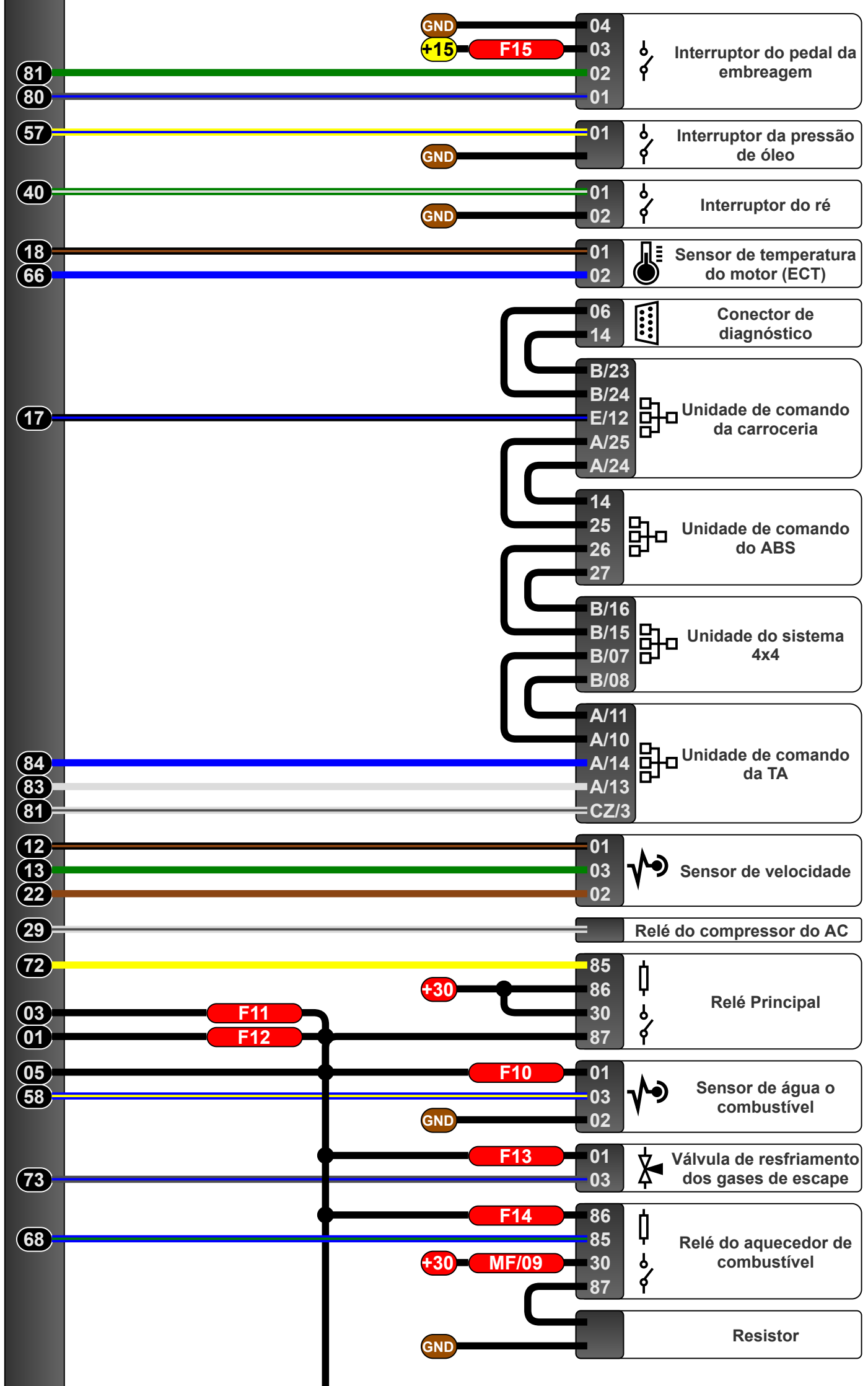
Conector B

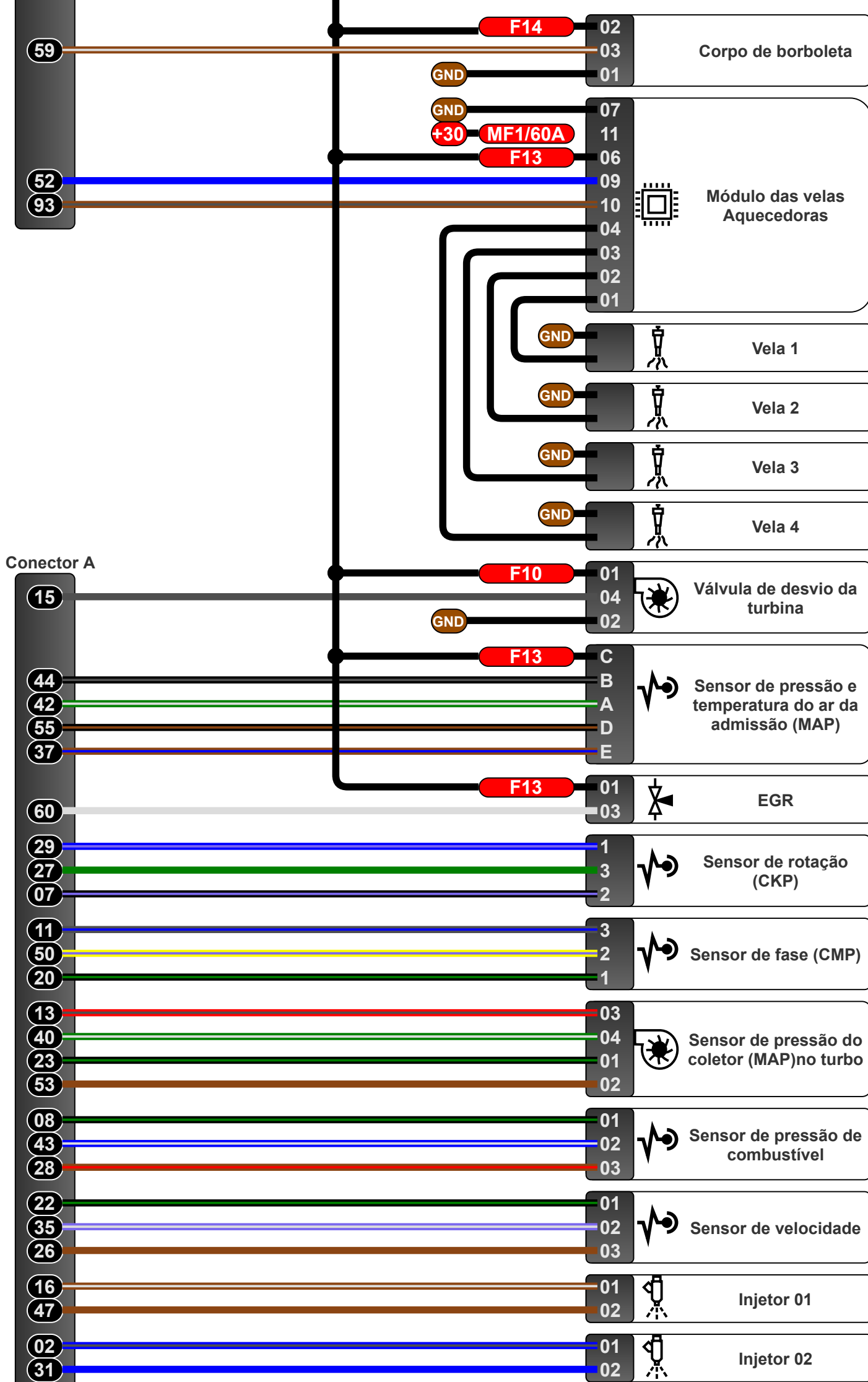


Esquema Elétrico

Conector B











DODGE

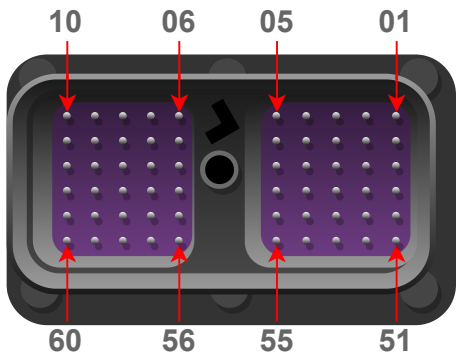
Modelos

RAM 2500 5.9L (2008/...)	13
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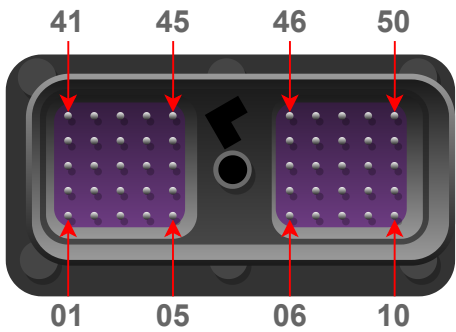
Modelos:
RAM 2500 5.9L (2008/...)

Conectores da Central

Conector A

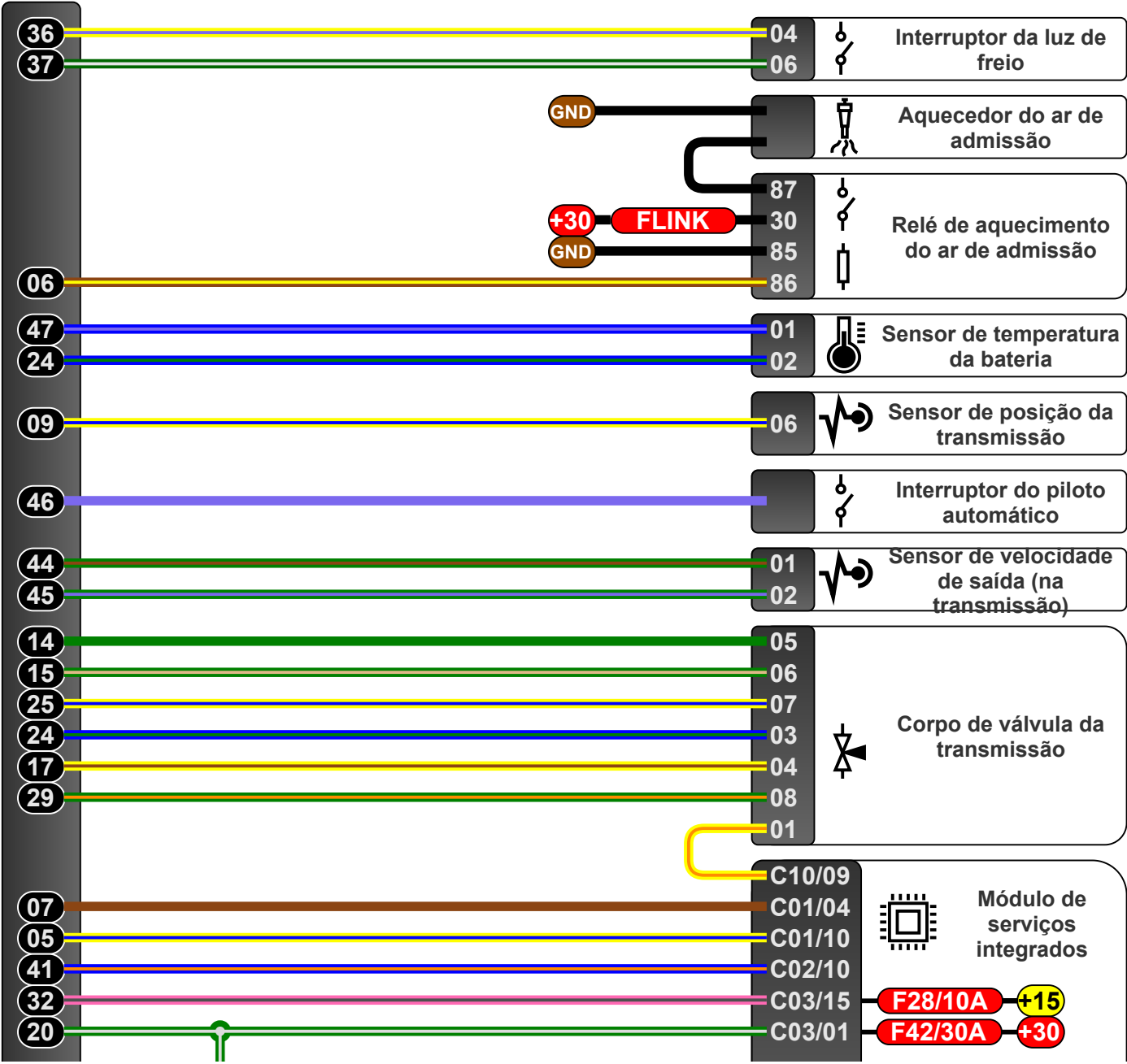


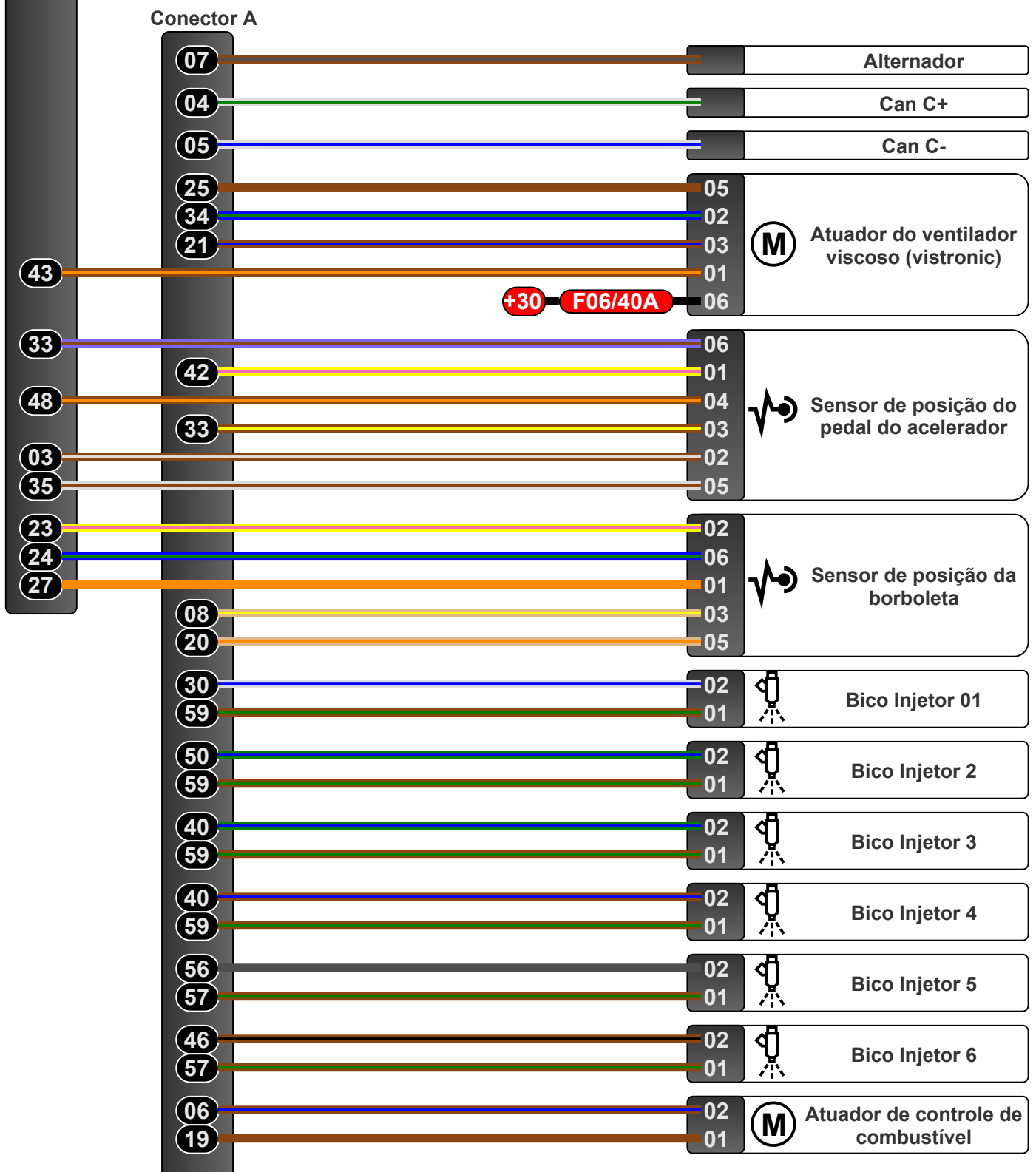
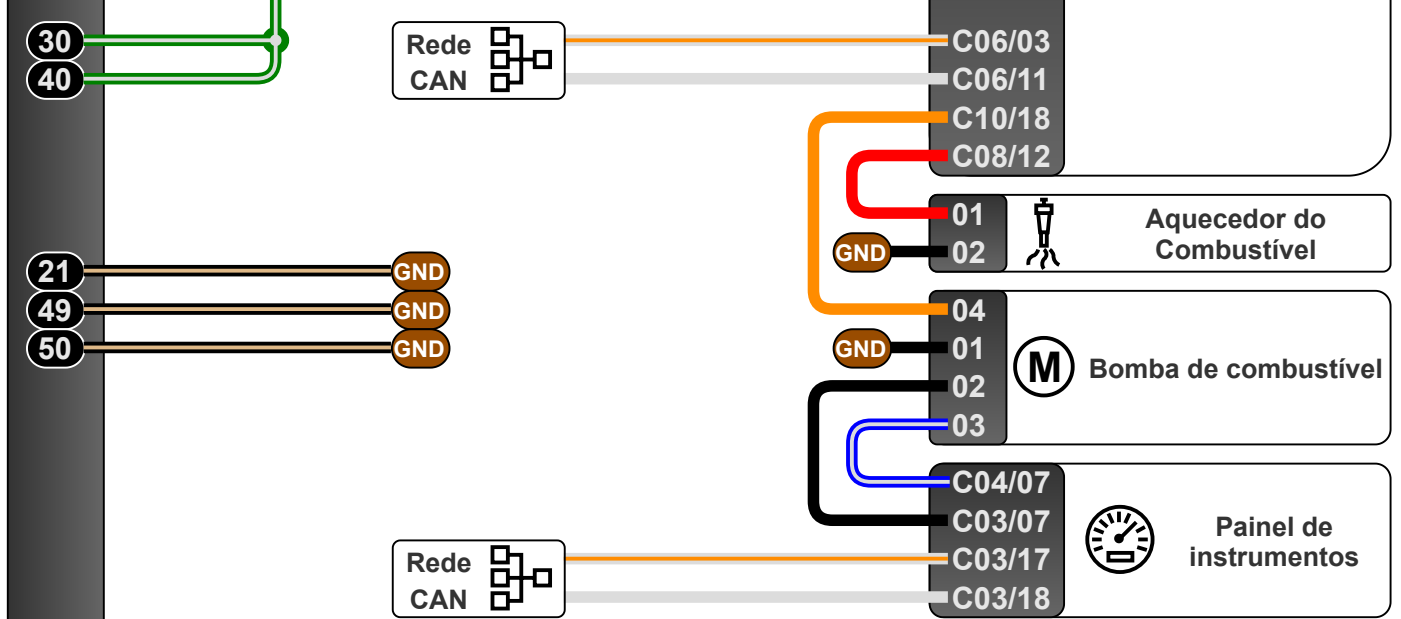
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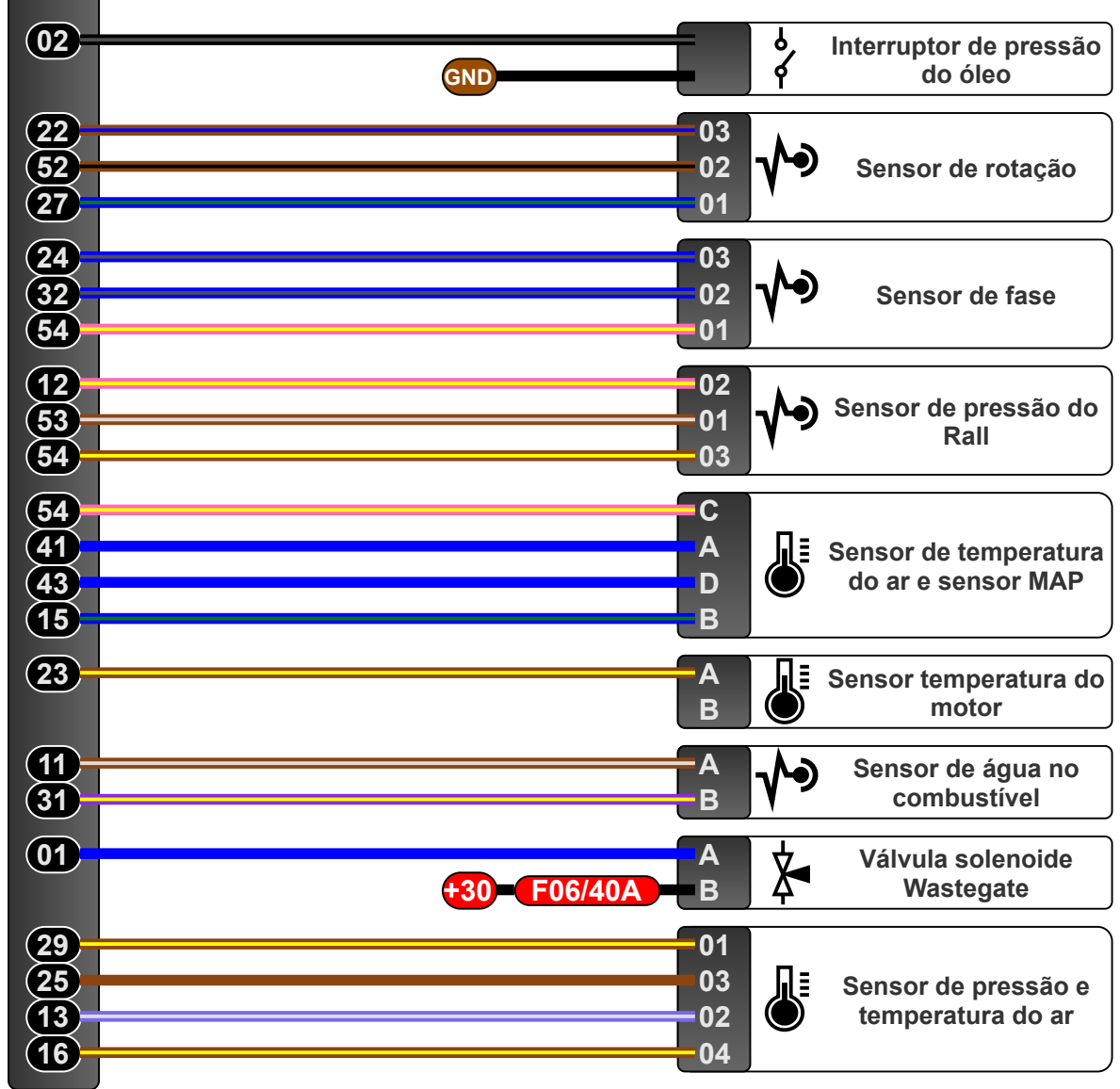


Esquema Elétrico

Conector B









Modelos

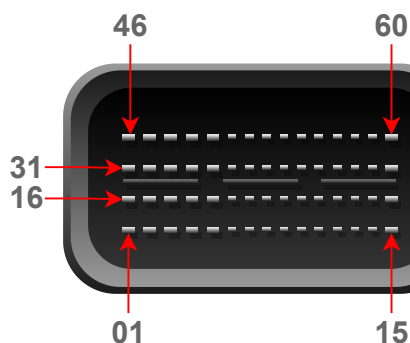
Ducato Multijet 2.3 16V (2012/2018)	17
Toro 2.0 EDC17 C69 (2016/...).....	21

Modelos:

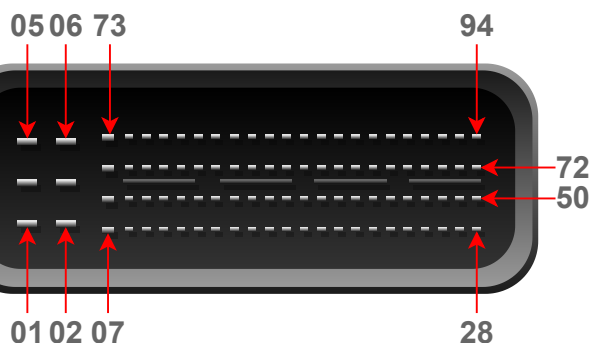
Ducato Multijet 2.3 16V (2012/2018) Magneti Marelli/MJD 8F3.B1

Conectores da Central

Conector A



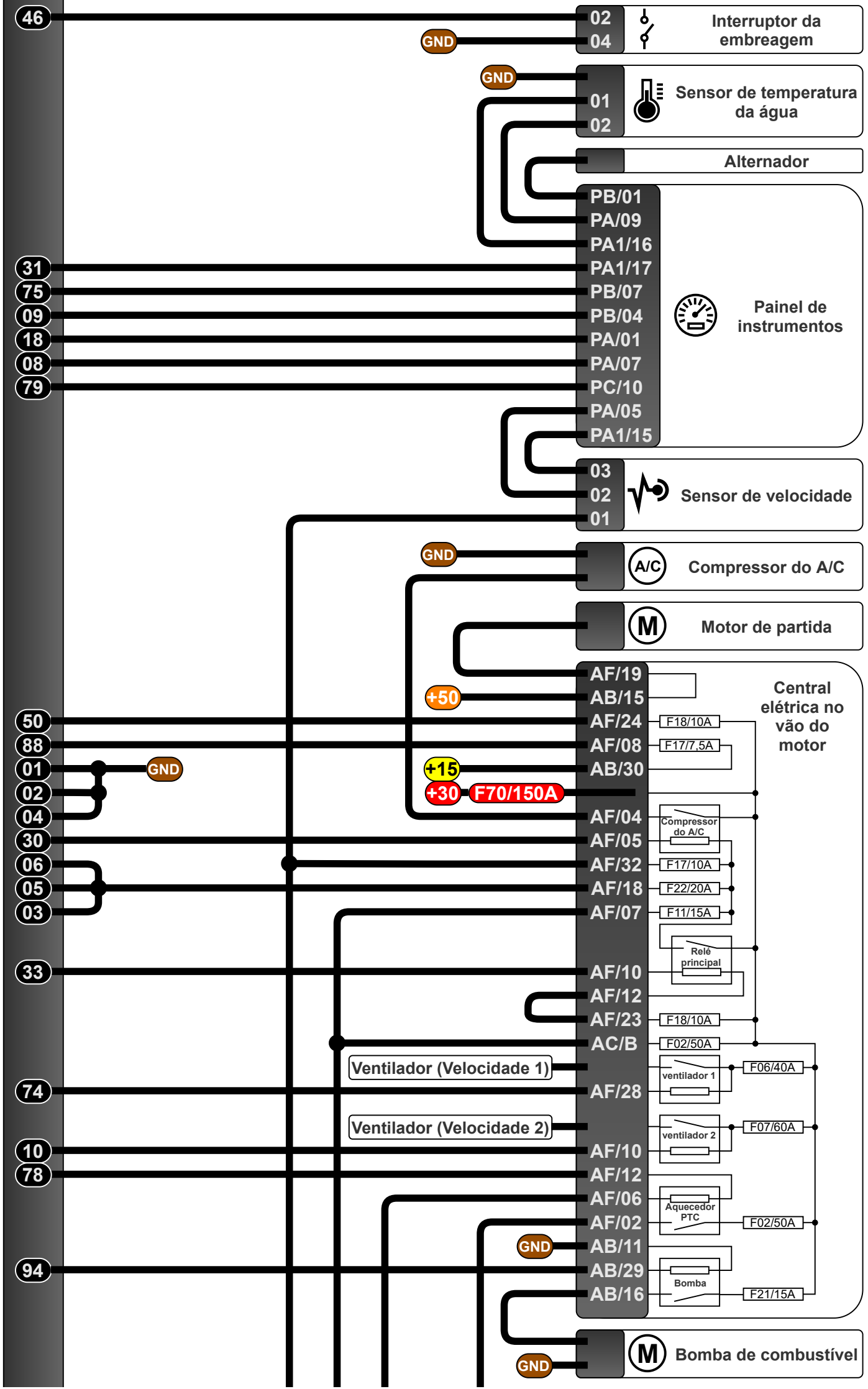
Conector B

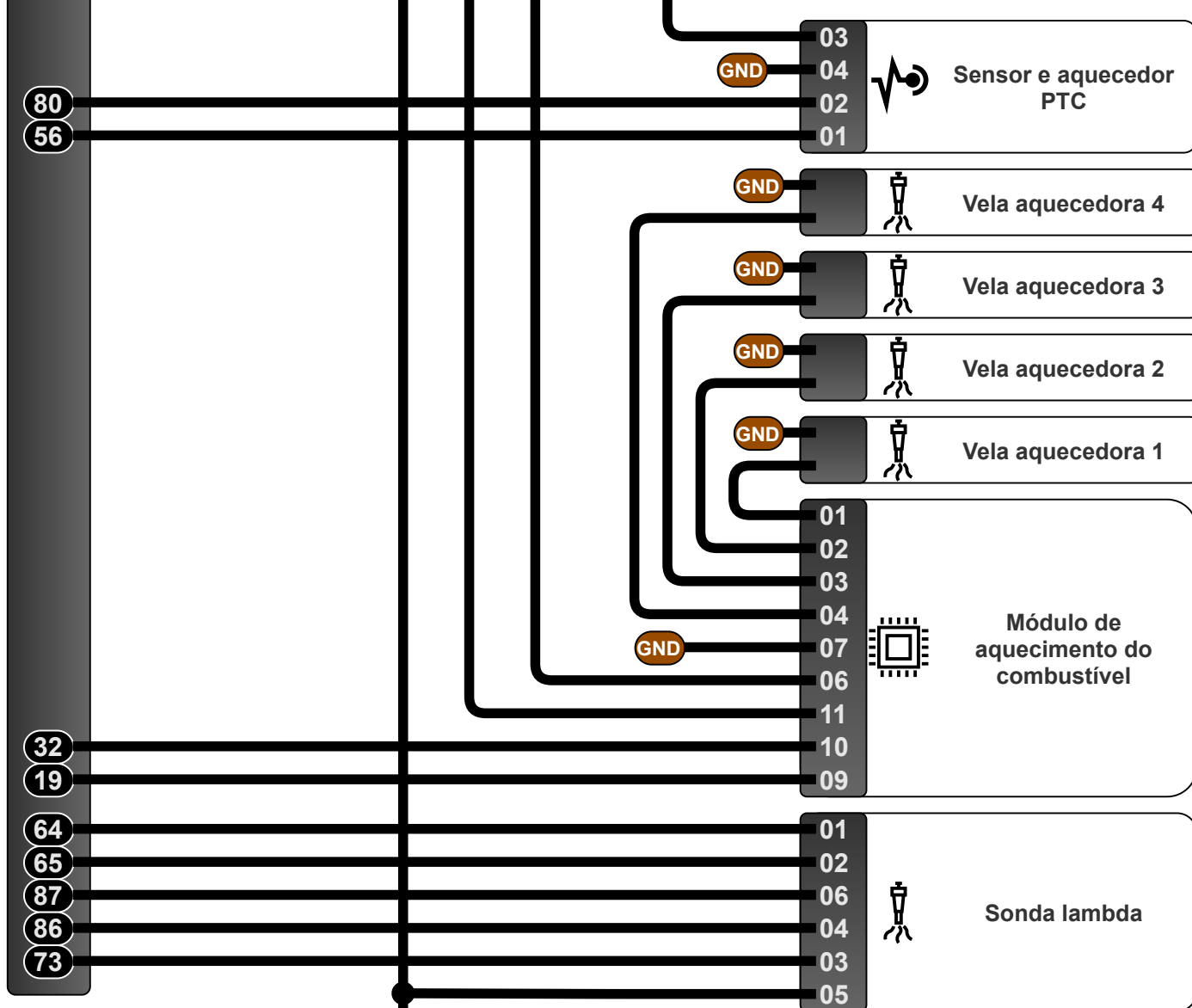


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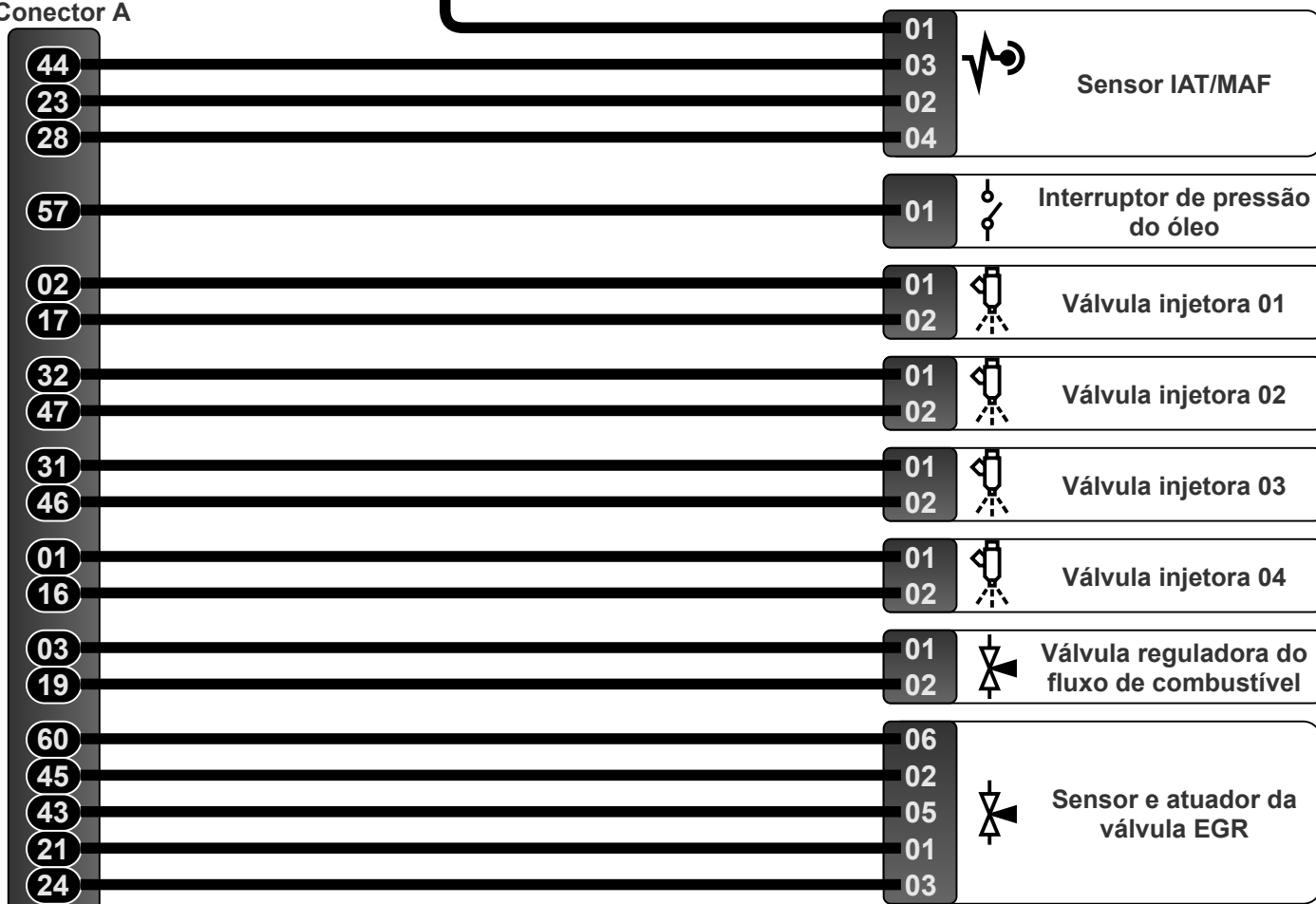
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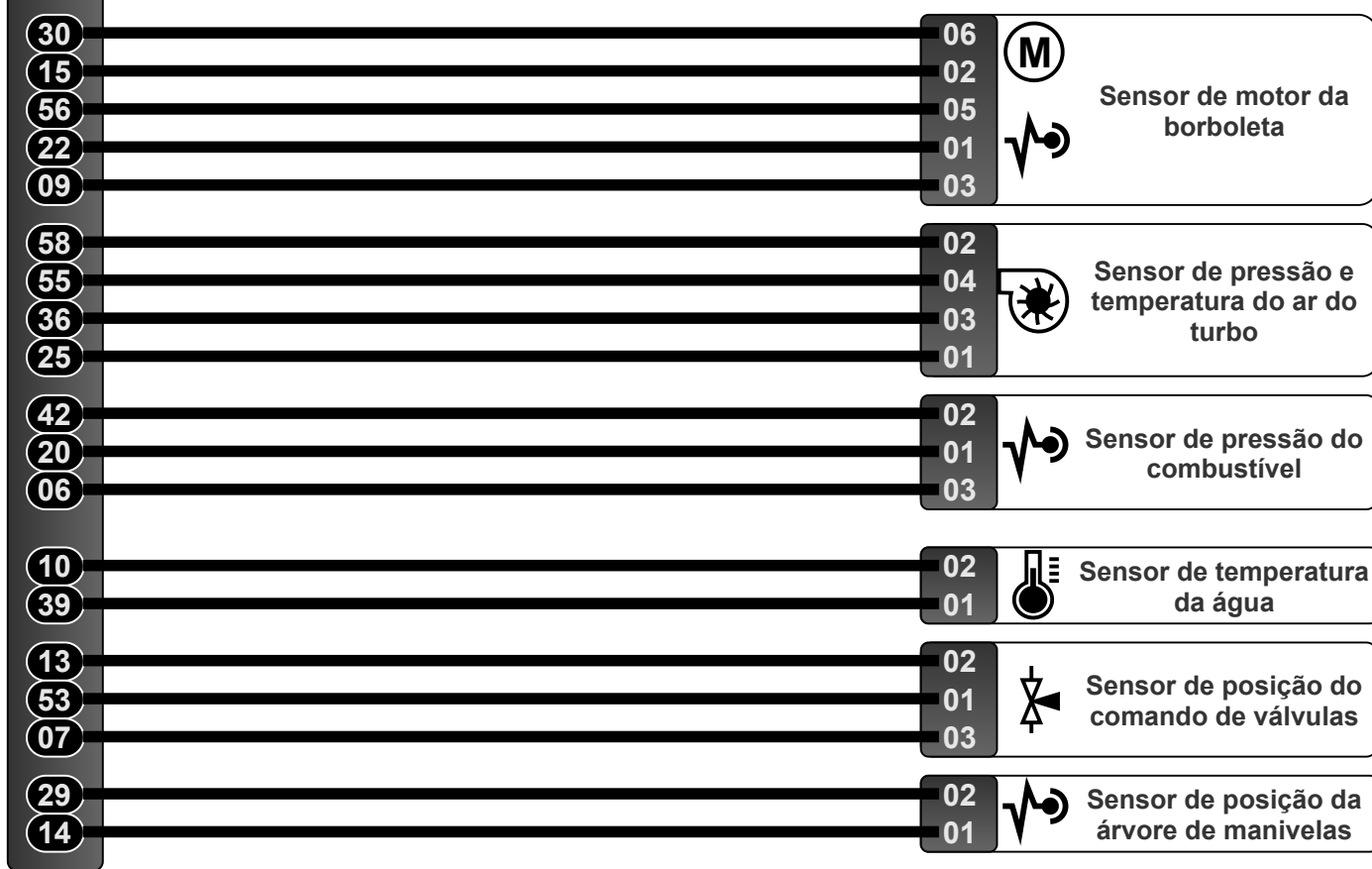






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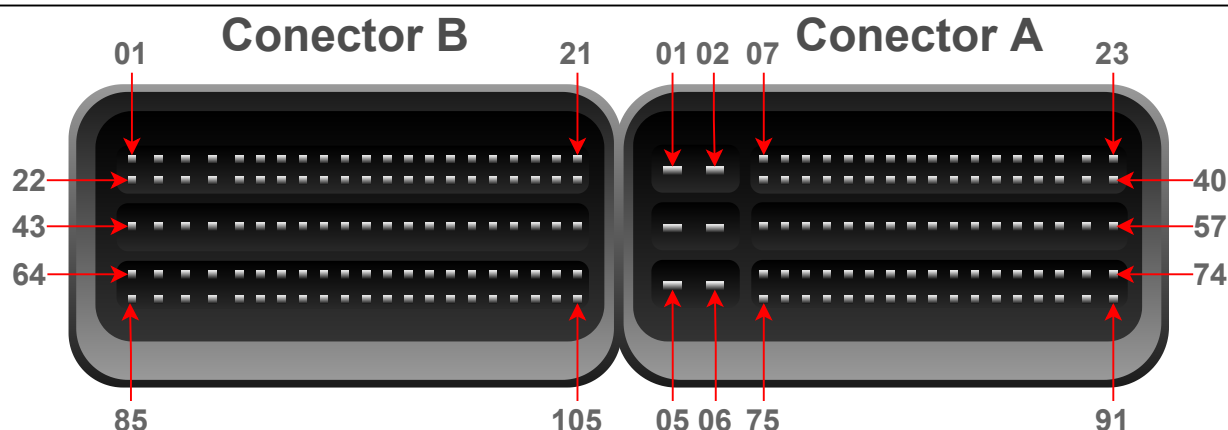




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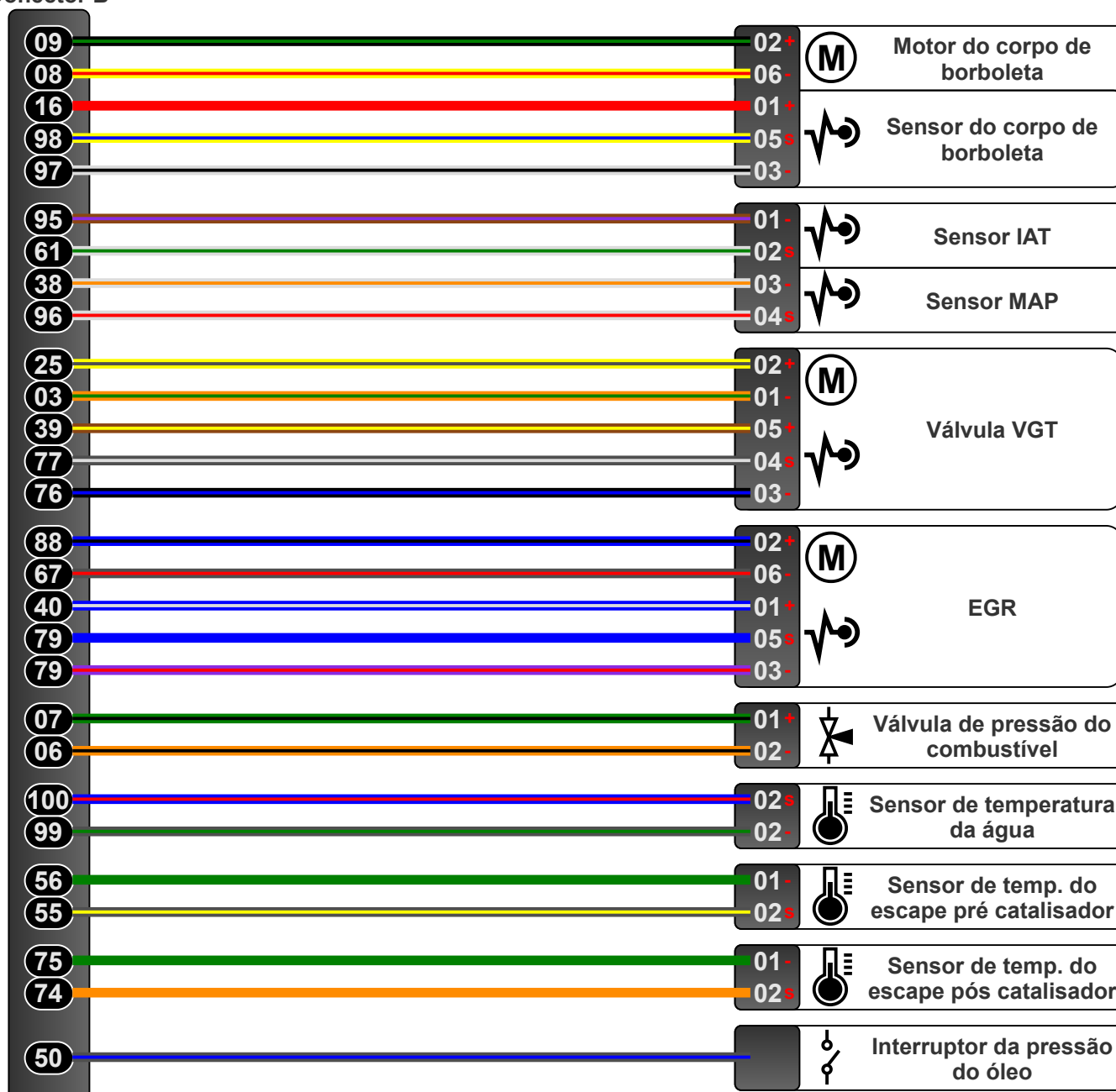
Toro 2.0 EDC17 C69 (2016/...)

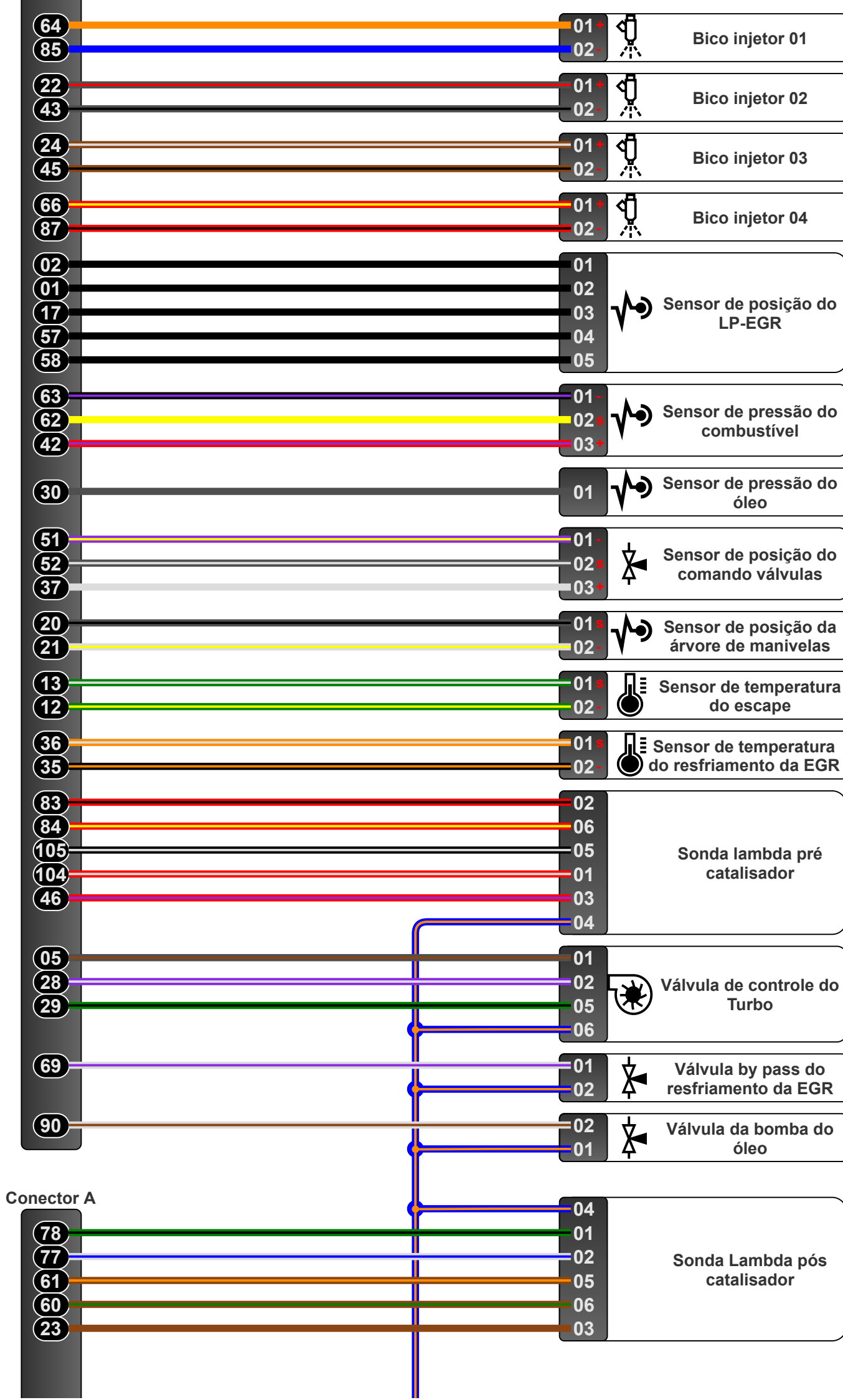
Conectores da Central

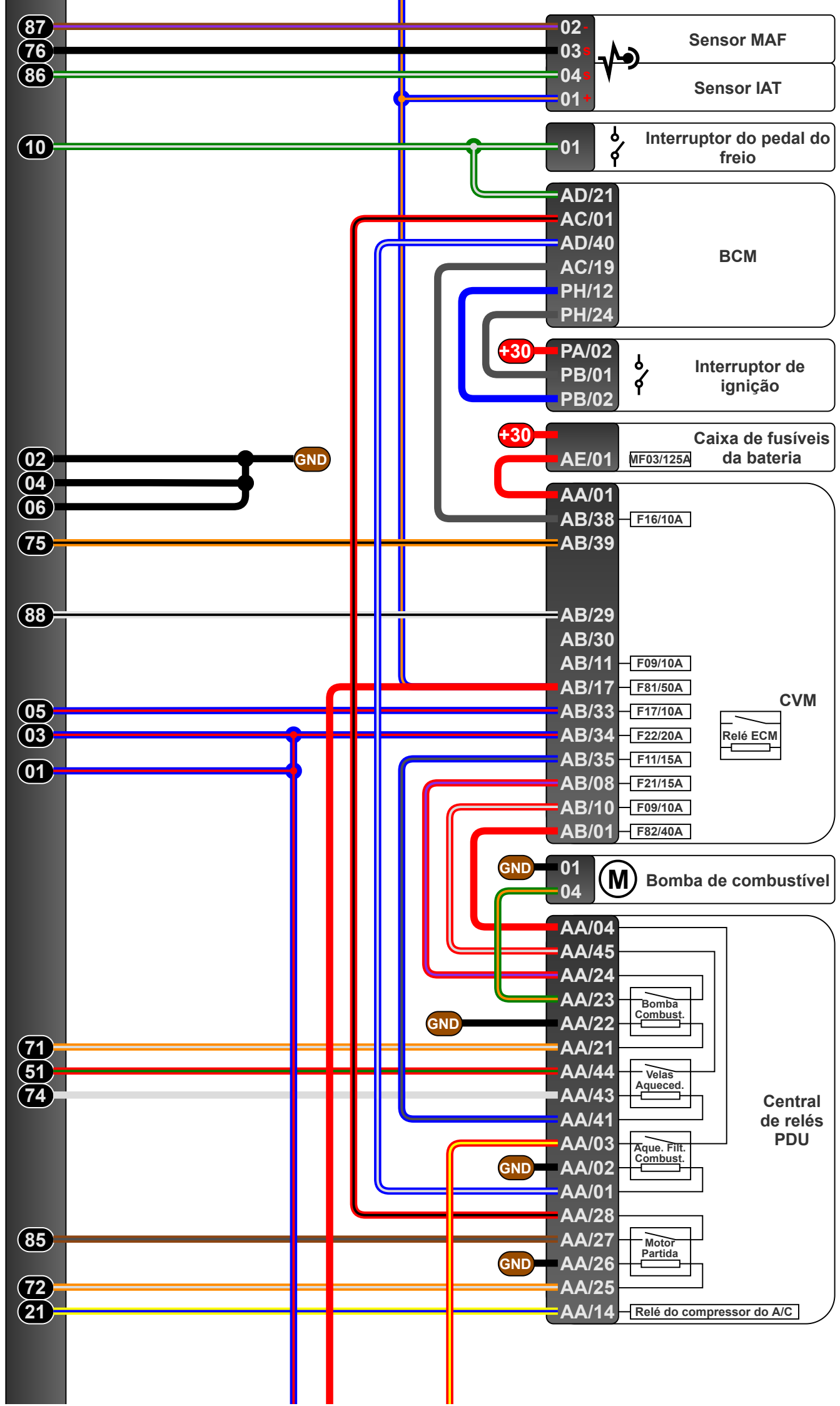


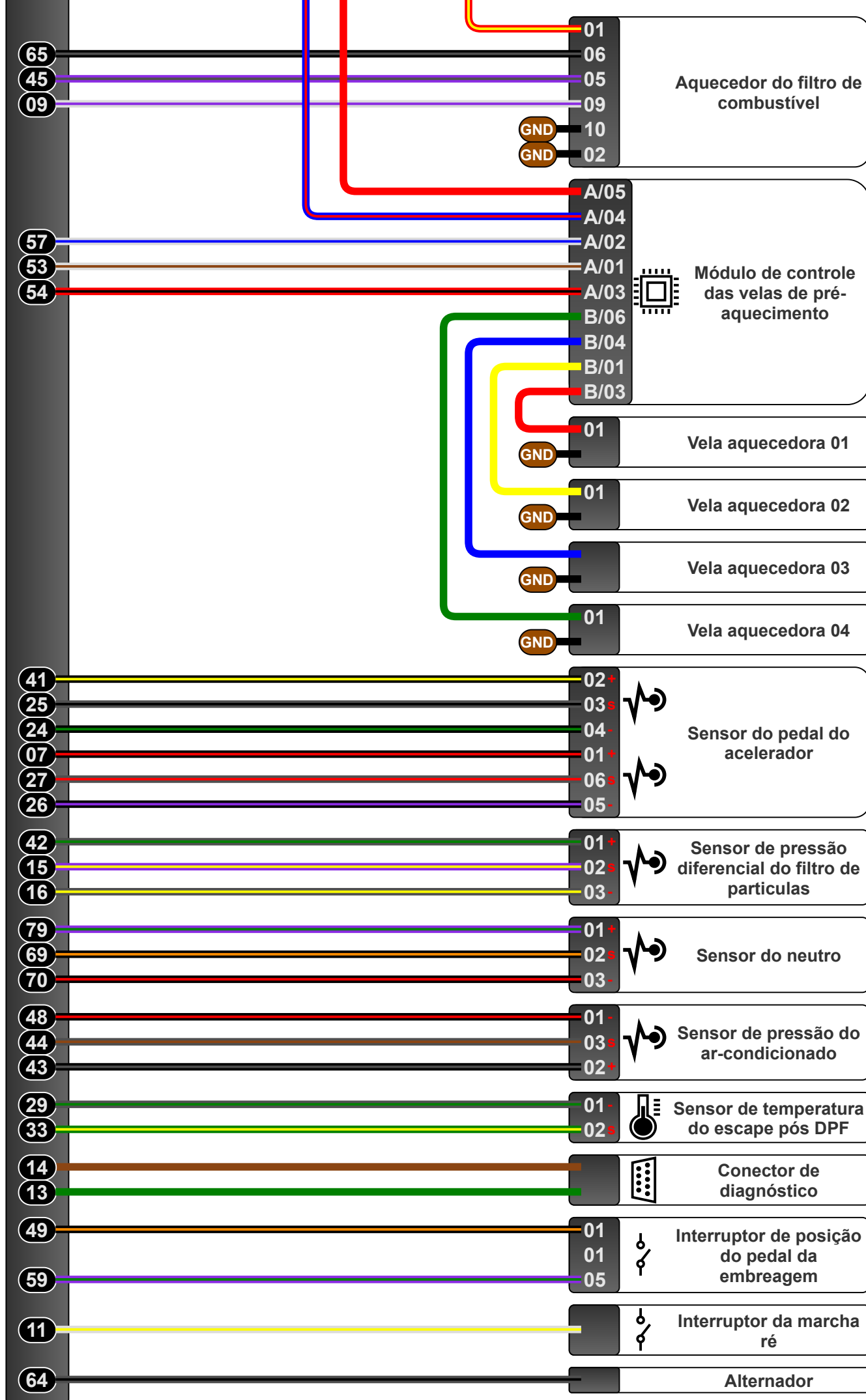
Esquema Elétrico

Conector B











Modelos

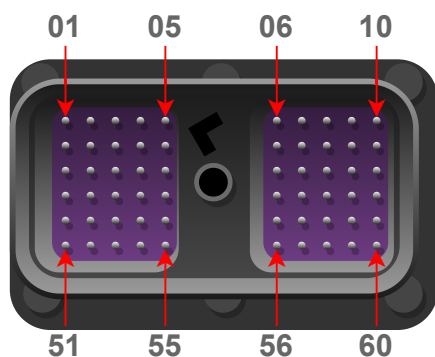
Cargo 1723 6.7 EDC CM2150E (2012/2018)	26
Cargo 2423 6.7 EDC CM2150E (2012/2018)	26
Cargo 2429 6.7 EDC CM2150E (2012/2018)	26
Cargo 2623 6.7 EDC CM2150E (2012/2018)	26
Cargo 2629 6.7 EDC CM2150E (2012/2018)	26
F350 2.8 (2014/...).....	30
F4000 2.8 (2014/...).....	30
Ranger 3.0 Eletronic (2005/...)	33
Transit 2.4 TDCI (2006/2009)	36

Modelos:

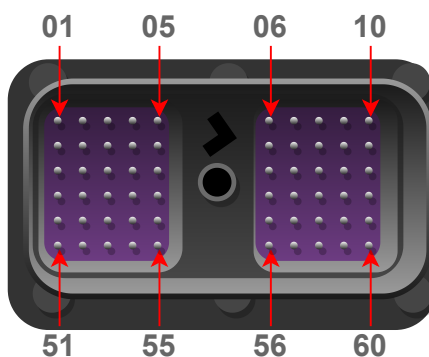
Cargo 1723 6.7 EDC CM2150E (2012/2018)
 Cargo 2423 6.7 EDC CM2150E (2012/2018)
 Cargo 2429 6.7 EDC CM2150E (2012/2018)
 Cargo 2623 6.7 EDC CM2150E (2012/2018)
 Cargo 2629 6.7 EDC CM2150E (2012/2018)

Conectores da Central

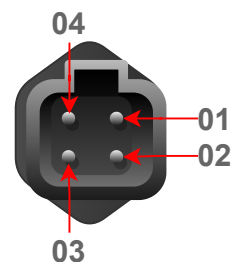
Conector A



Conector B

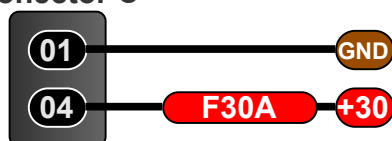


Conector

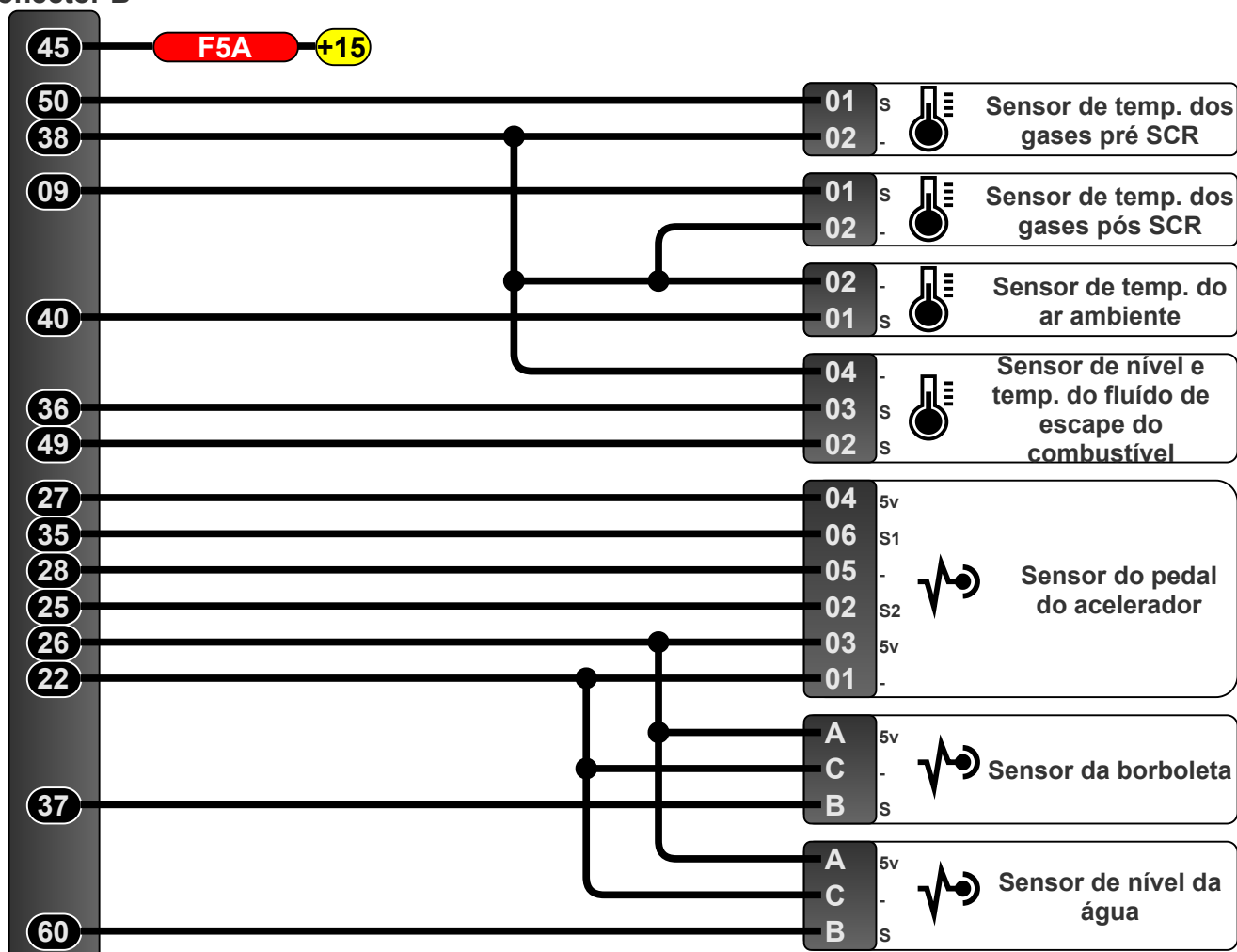


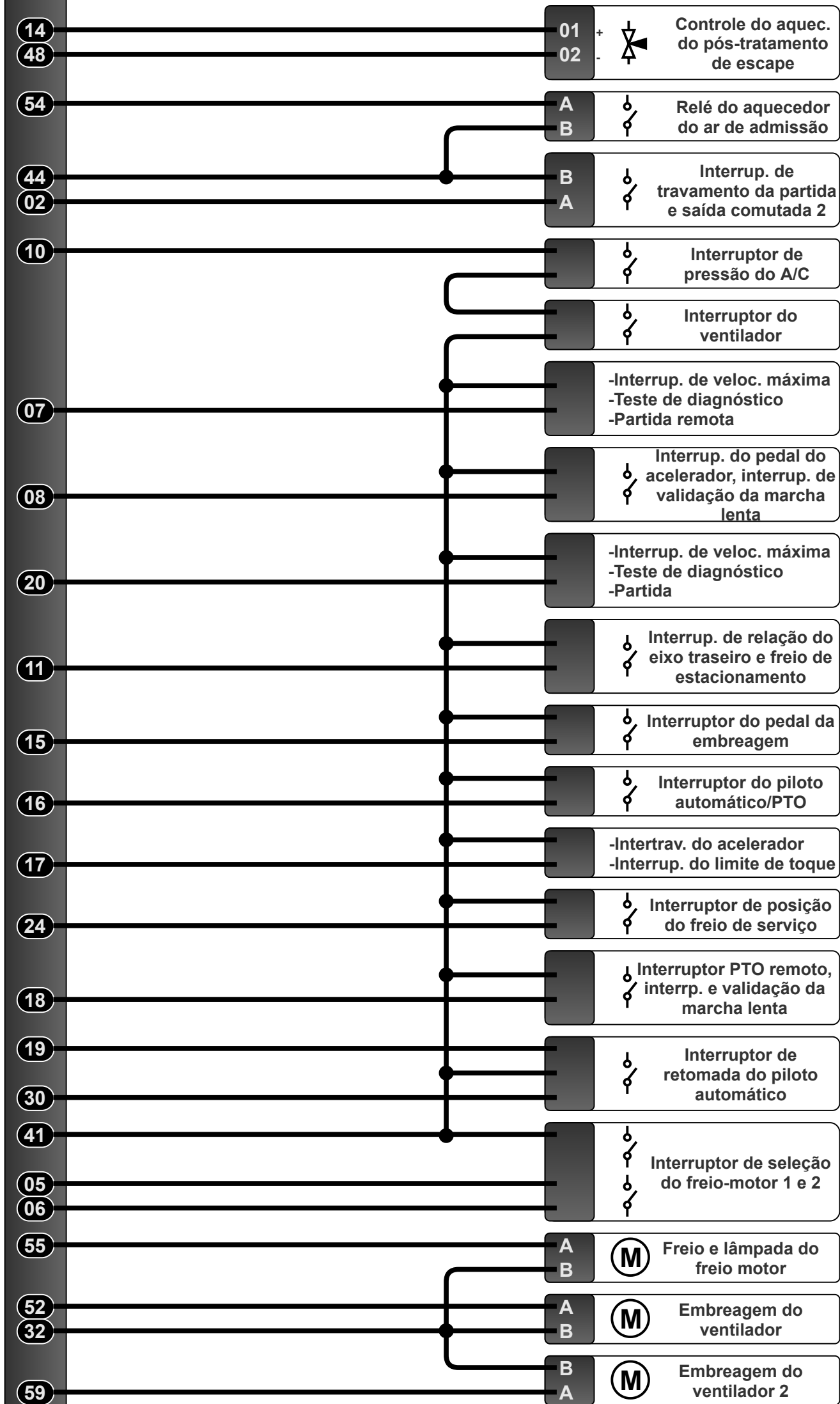
Esquema Elétrico

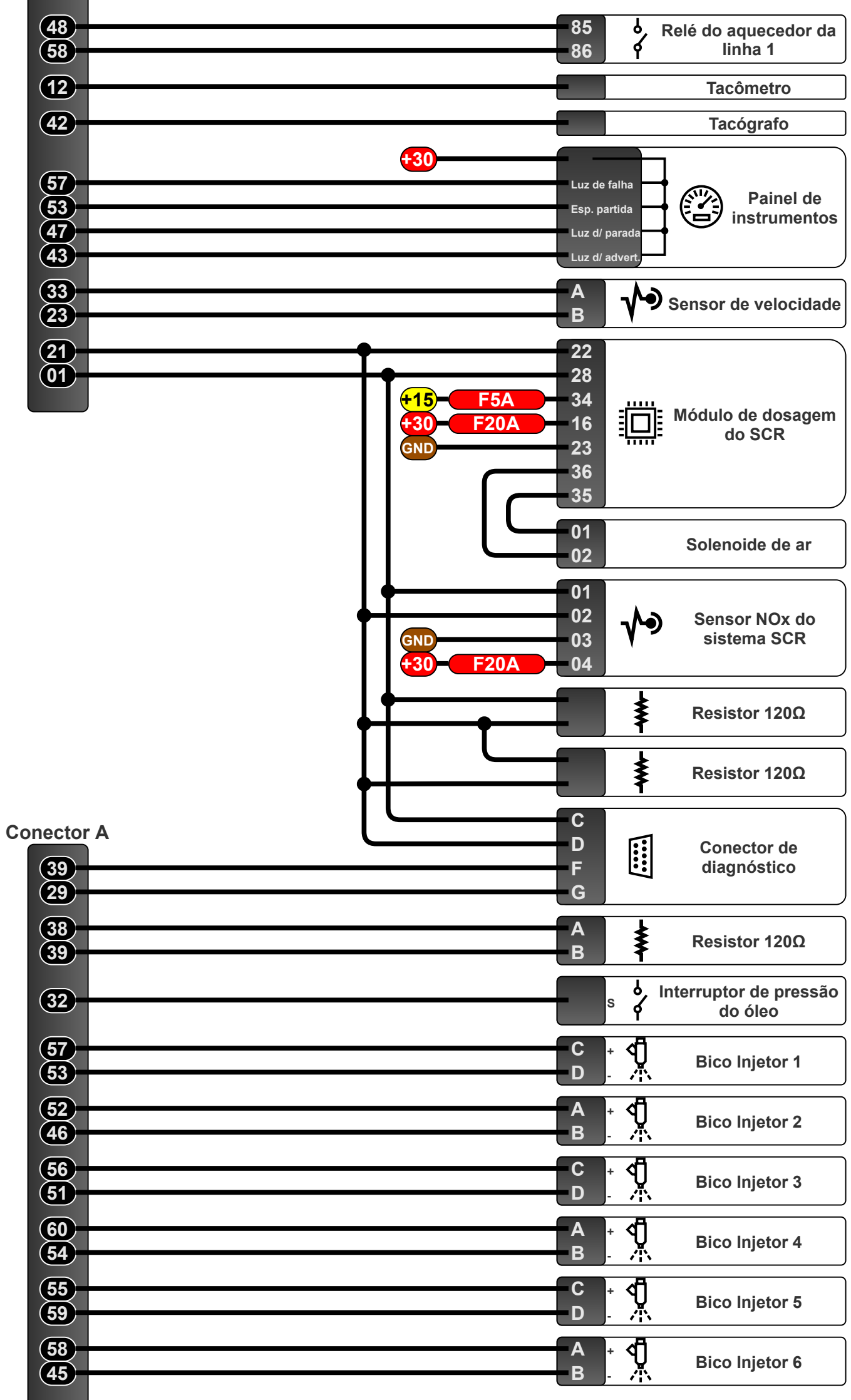
Conector C

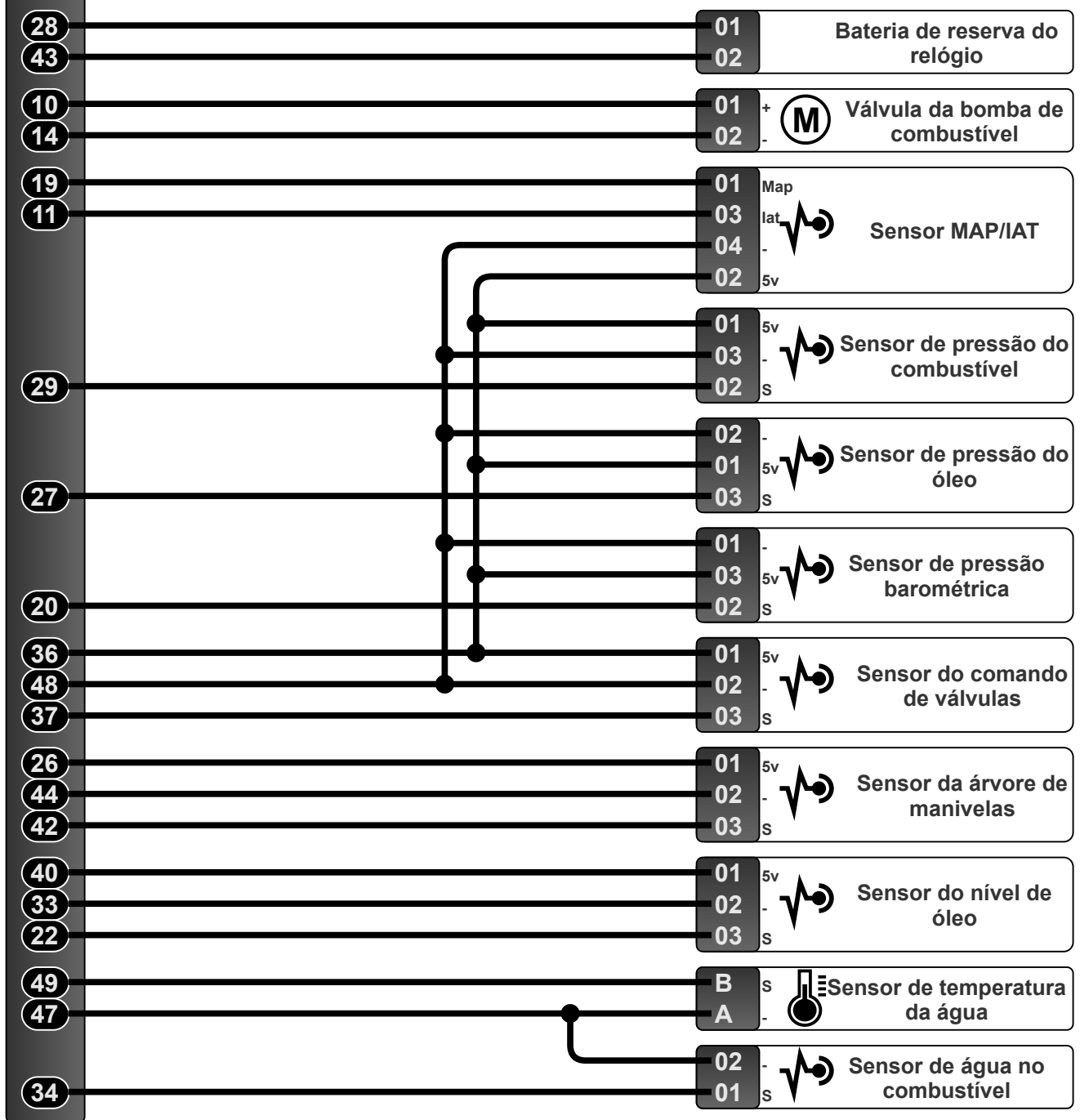


Conector B









F350 2.8 (2014/...)
F4000 2.8 (2014/...)

The diagram illustrates a 16-bit bus system with two 8-bit registers. The left register has inputs 01, 25, 49, 73, 96, and 24. The right register has inputs 03, 01, 02, 07, 19, 58, 45, and 32. The bus is labeled 05 06 46.

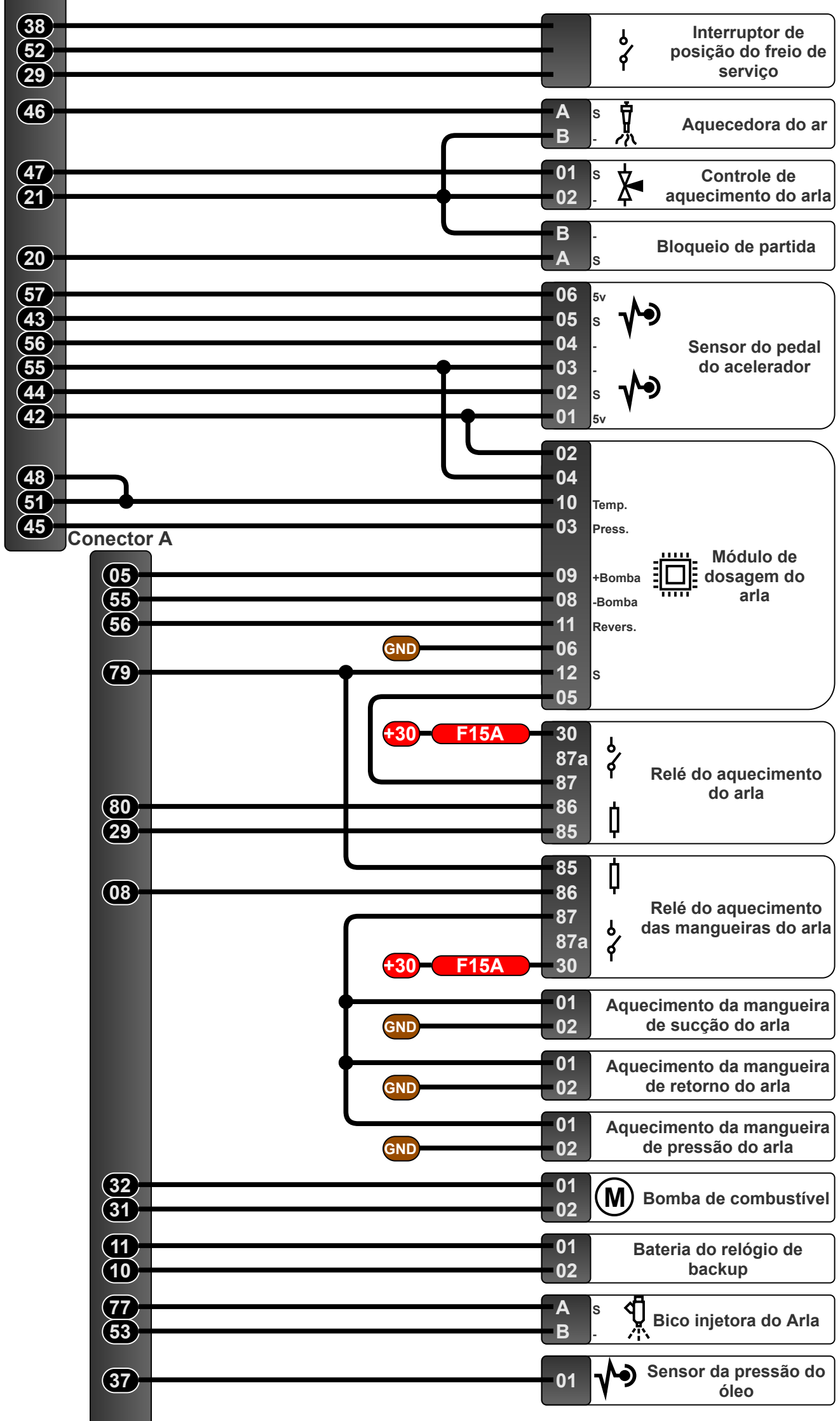
Diagrama de fiação para o módulo de diagnóstico de um veículo. O diagrama mostra a conexão entre os terminais de um conector de diagnóstico (lado esquerdo) e os componentes eletrônicos (lado direito).

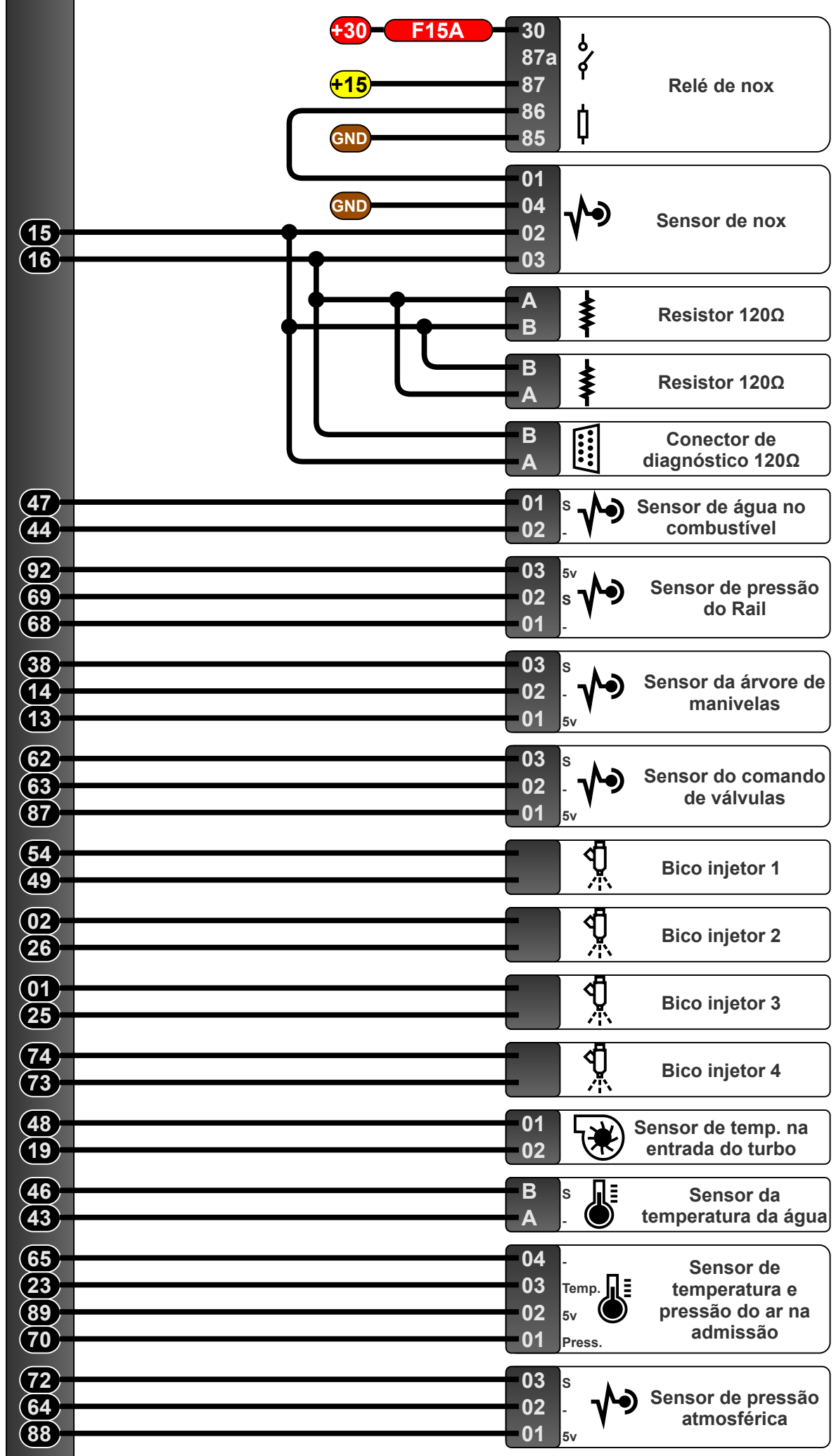
Conexões:

- Terminal 01: F30A (+30V)
- Terminal 03: F30A (+30V)
- Terminal 05: F30A (+30V)
- Terminal 41: F5A (+15V)
- Terminal 02: GND
- Terminal 04: GND
- Terminal 06: GND
- Terminal 19: Sensor de nível e temperatura do reservatório de Arla (terminal 01)
- Terminal 31: Sensor de nível e temperatura do reservatório de Arla (terminal 03)
- Terminal 17: Sensor de temp. pré catalizador (terminal A)
- Terminal 30: Sensor de temp. pré catalizador (terminal B)
- Terminal 18: Sensor de temp. pós catalizador (terminal A)
- Terminal 07: Nível do fluido de pós tratamento (terminal s)
- Terminal 15: Conector de diagnóstico (terminal B)
- Terminal 14: Conector de diagnóstico (terminal A)

Componentes e Terminais:

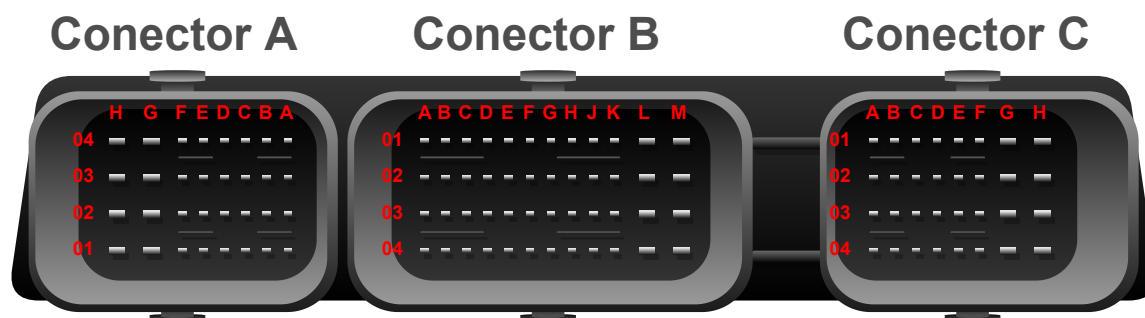
- Sensor de nível e temperatura do reservatório de Arla:** Terminais 01, 03, 02, 04.
- Sensor de temp. pré catalizador:** Terminais A, B.
- Sensor de temp. pós catalizador:** Terminais A, B.
- Nível do fluido de pós tratamento:** Terminal s.
- Conector de diagnóstico:** Terminais B, A, D, C.
- Resistor 120Ω:** Terminais s, s.





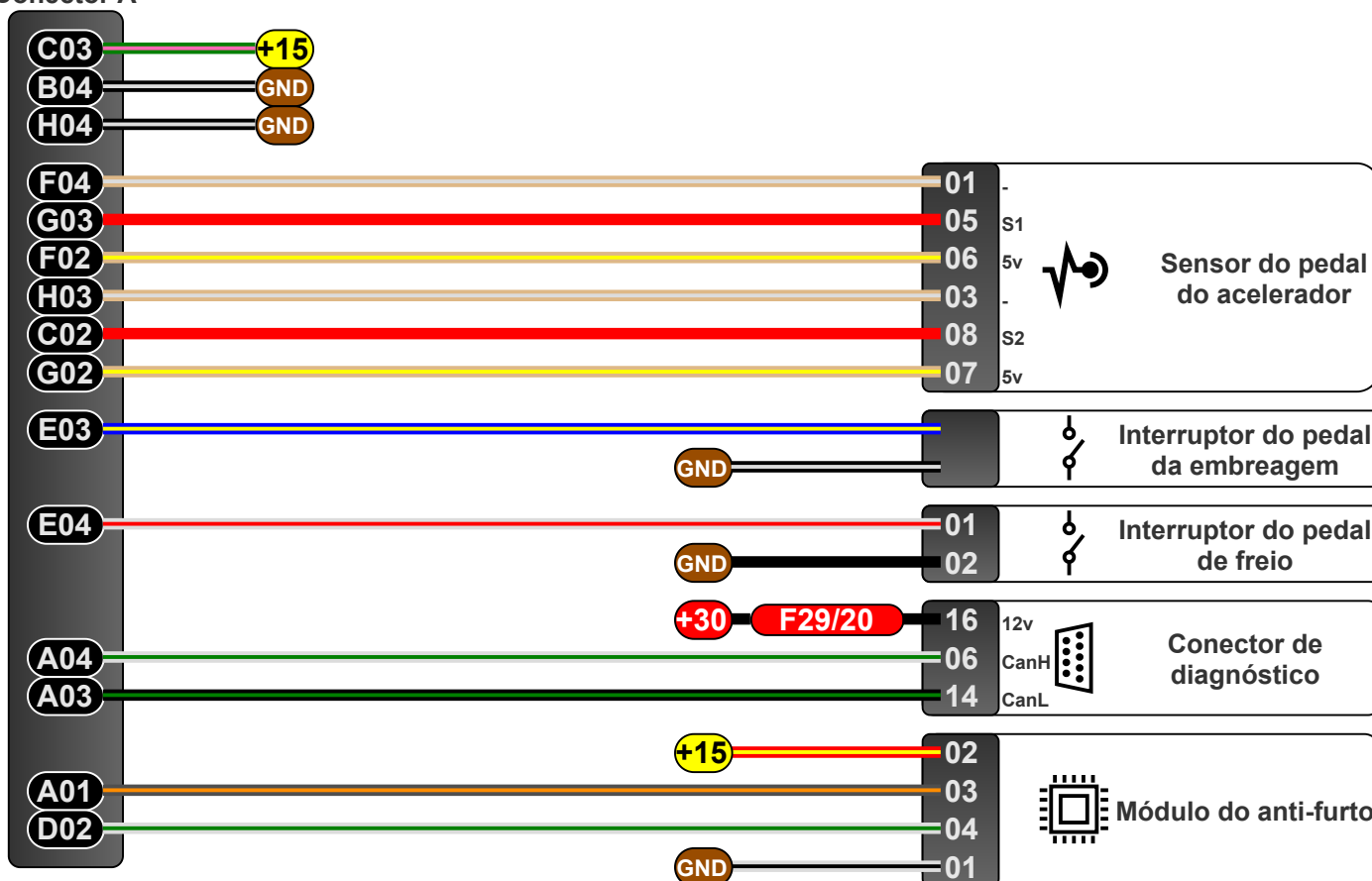
Modelos:
Ranger 3.0 Eletronic (2005/...)

Conectores da Central

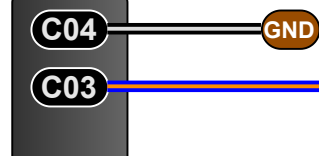


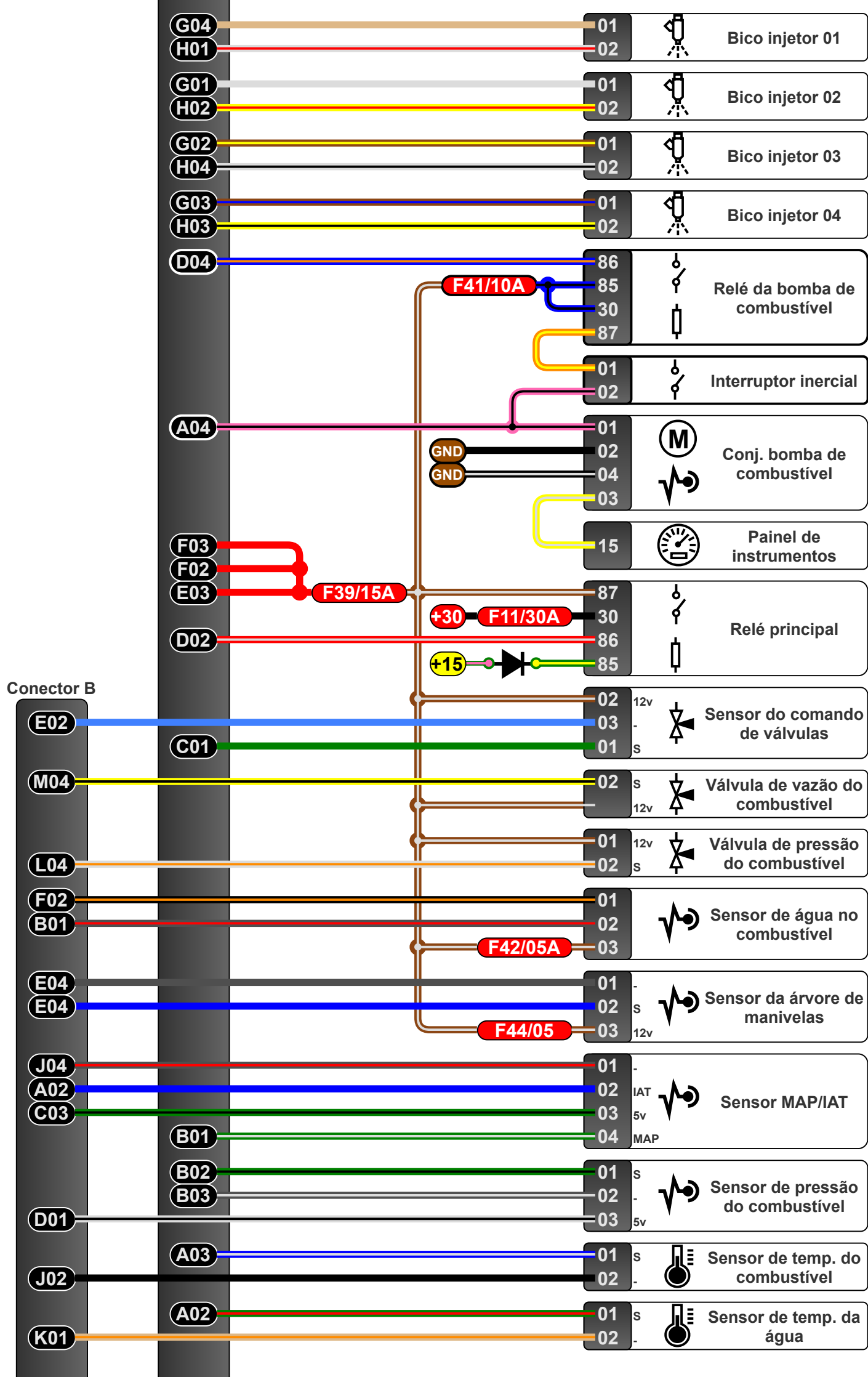
Esquema Elétrico

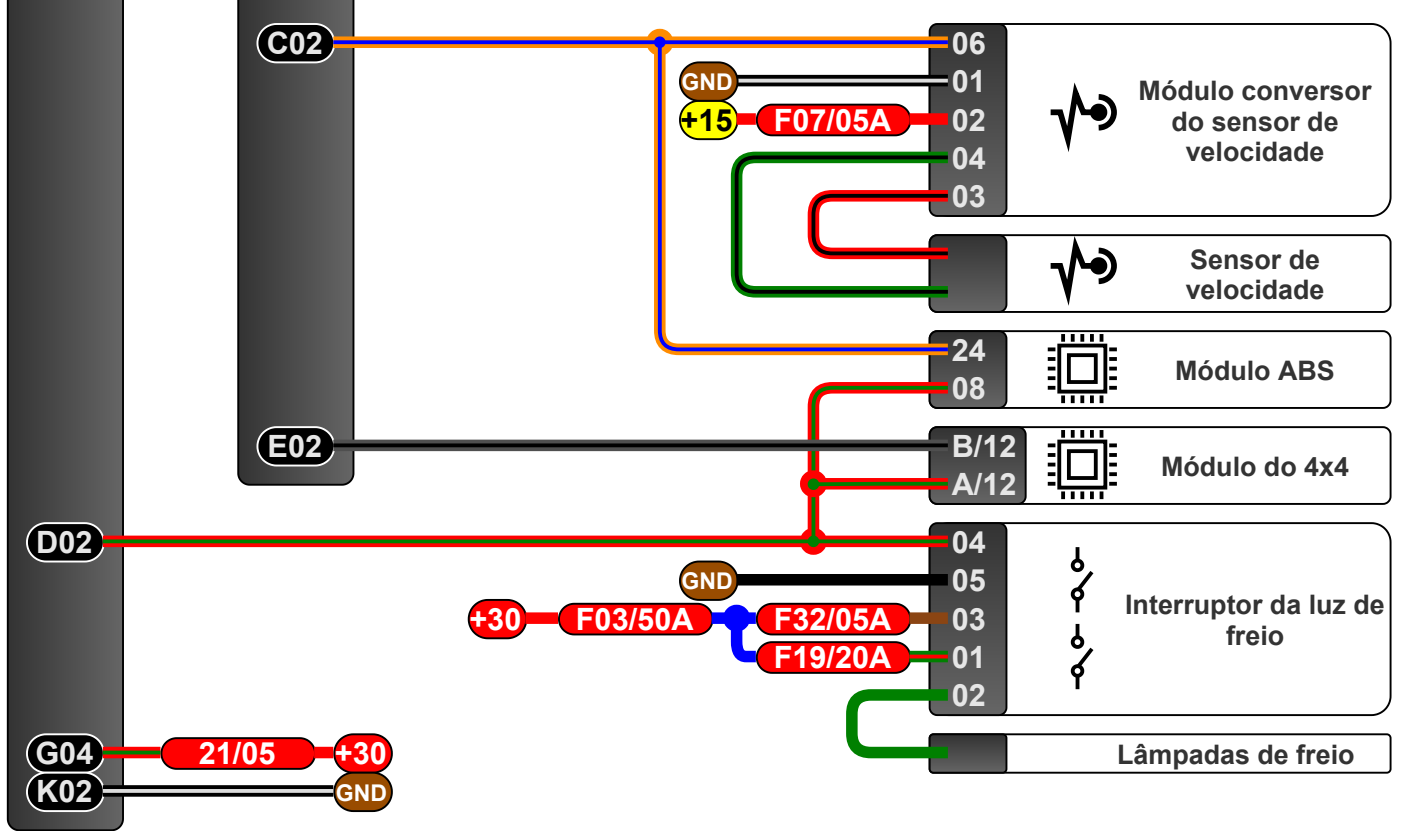
Conector A



Conector C

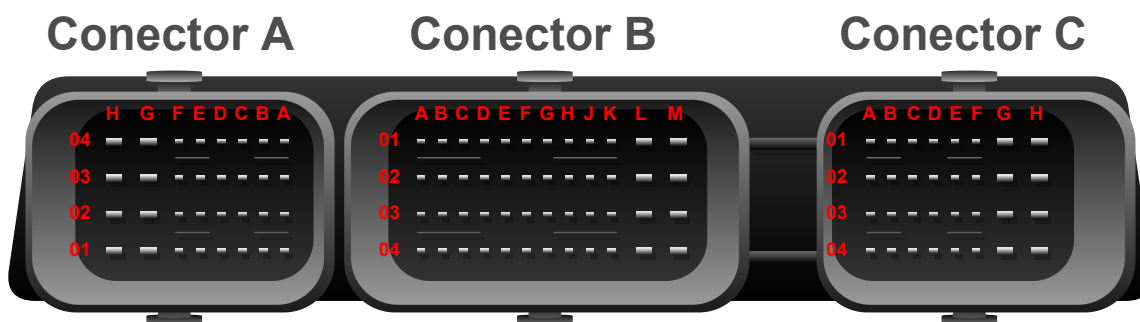






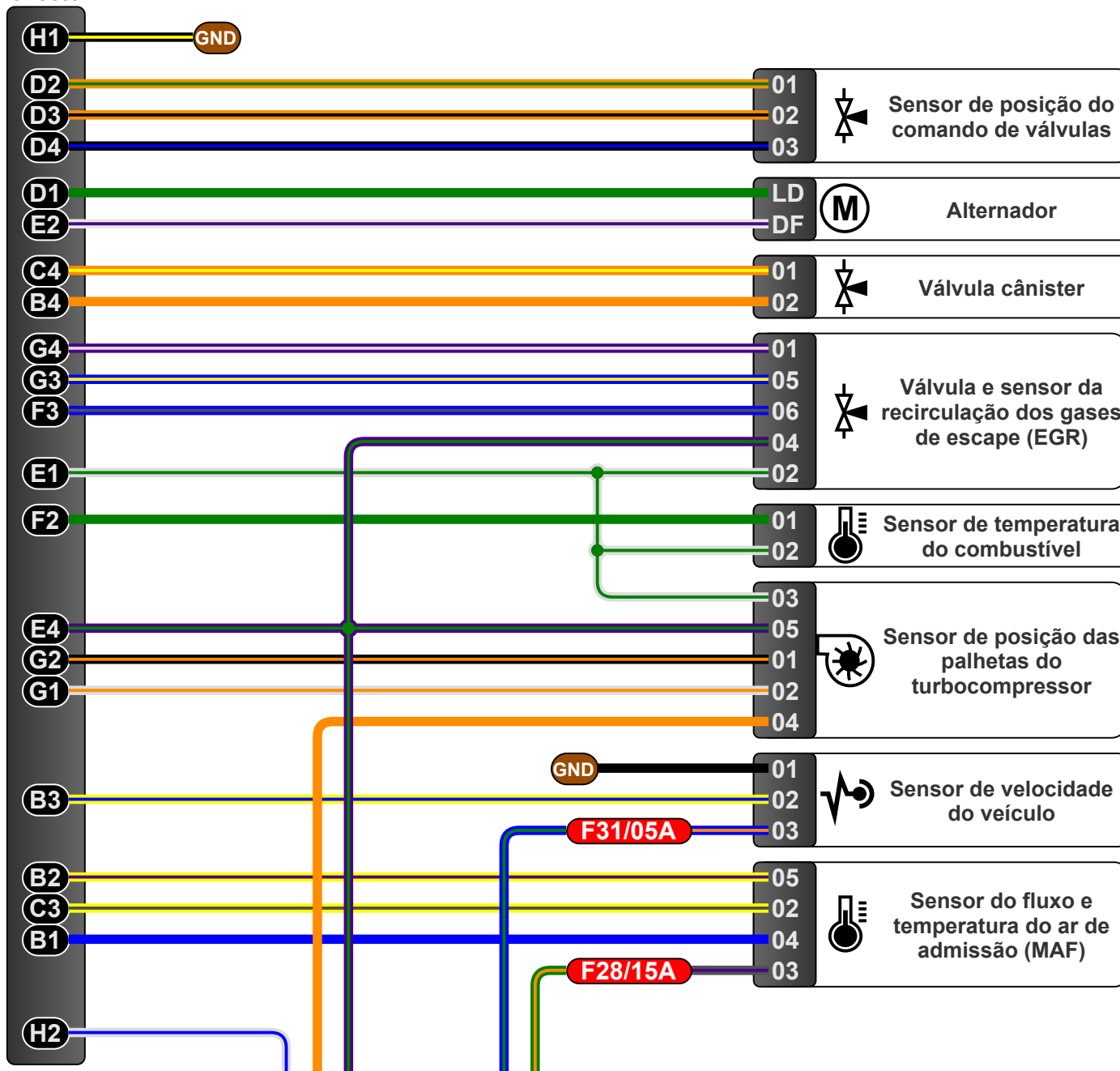
Modelos:
Transit 2.4 TDCI (2006/2009)

Conectores da Central

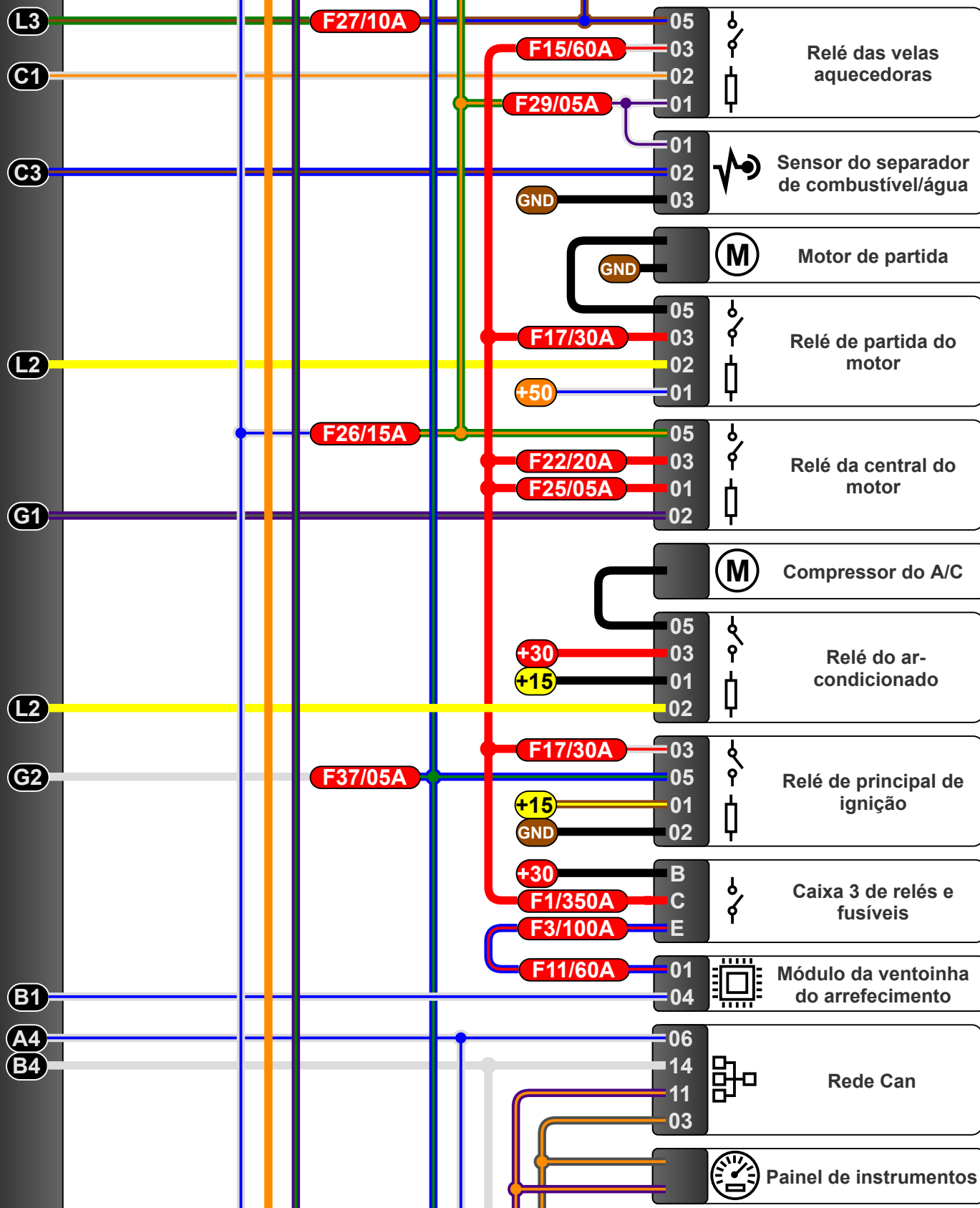
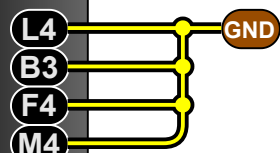


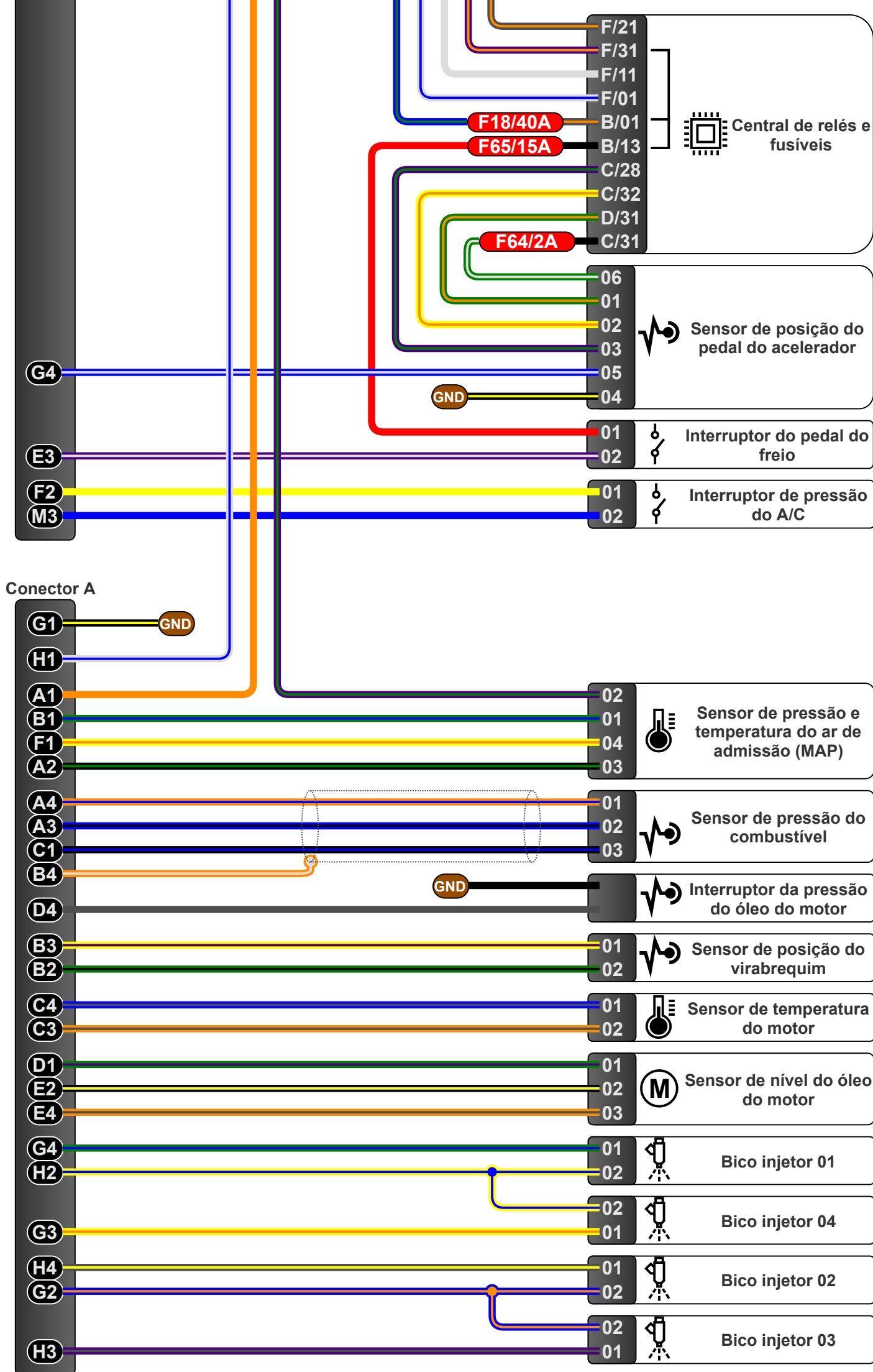
Esquema Elétrico

Conector C



Conector B







HYUNDAI

Modelos

HR 2.5 - D4CB (2013/...)	40
--------------------------------	----

Modelos:

HR 2.5 - D4CB (2013/...)

Conectores da Central

Conector B

73
49
25
01

96
24

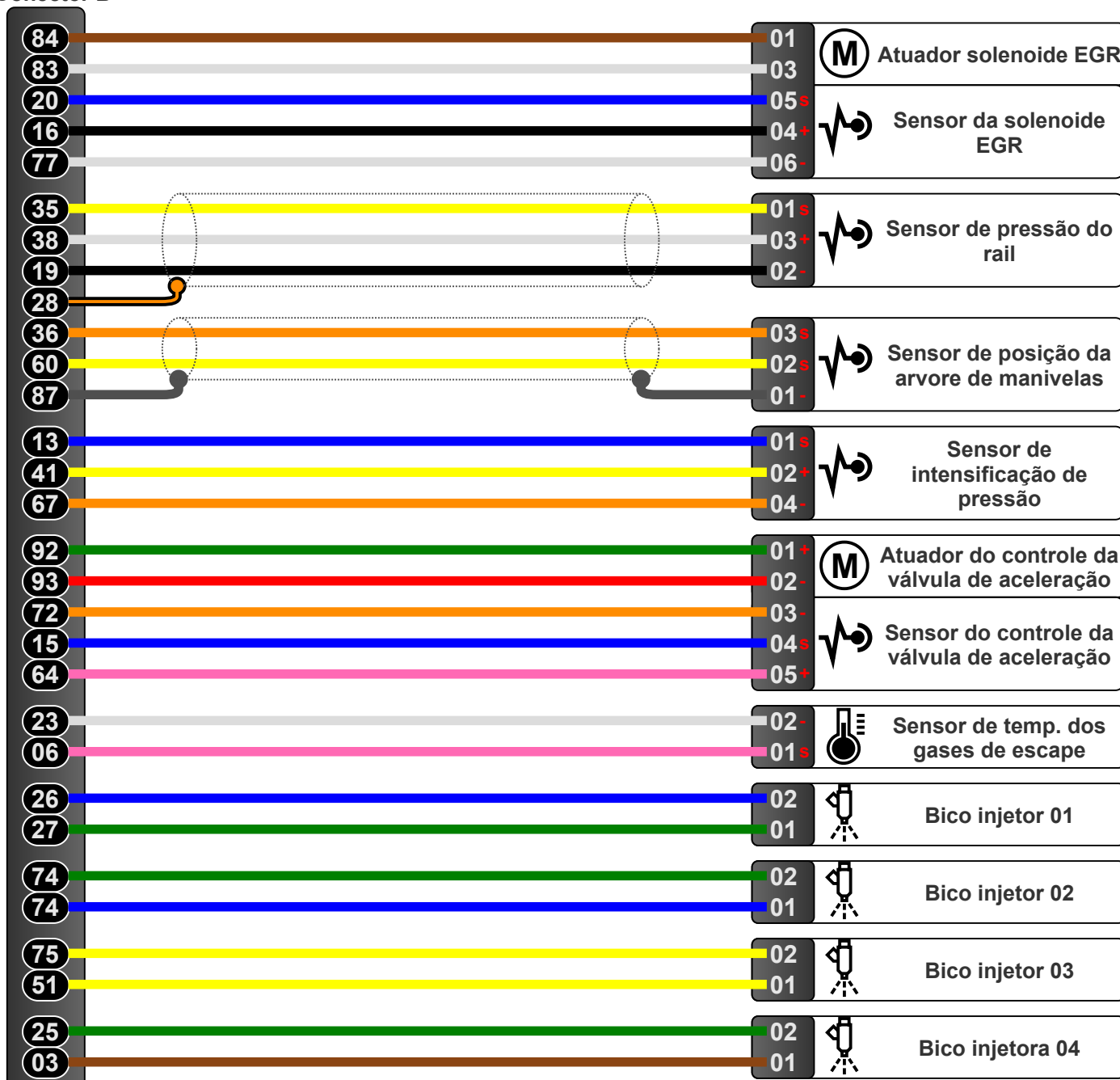
Conector A

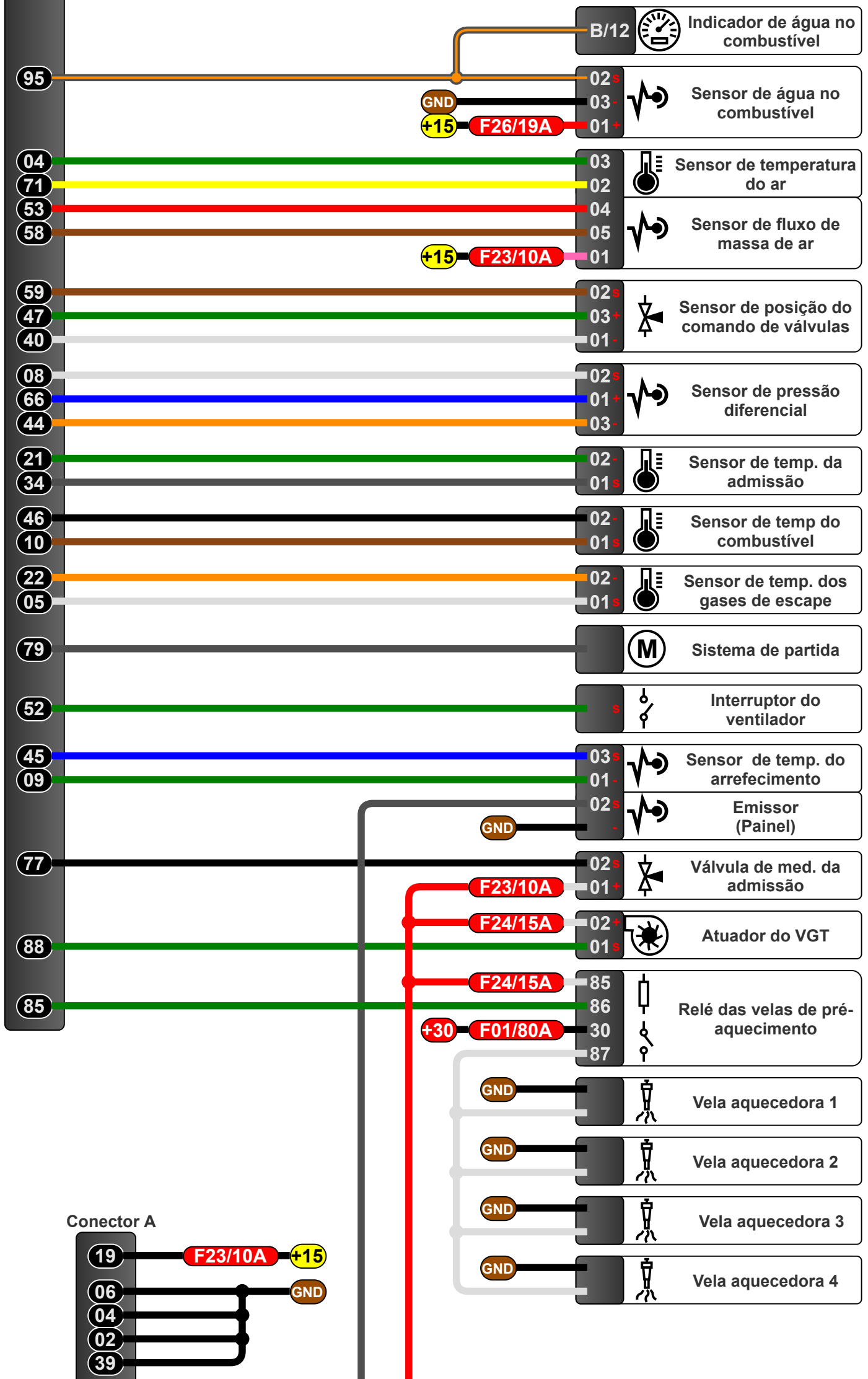
05 06 46 33
03 01 02 07 20

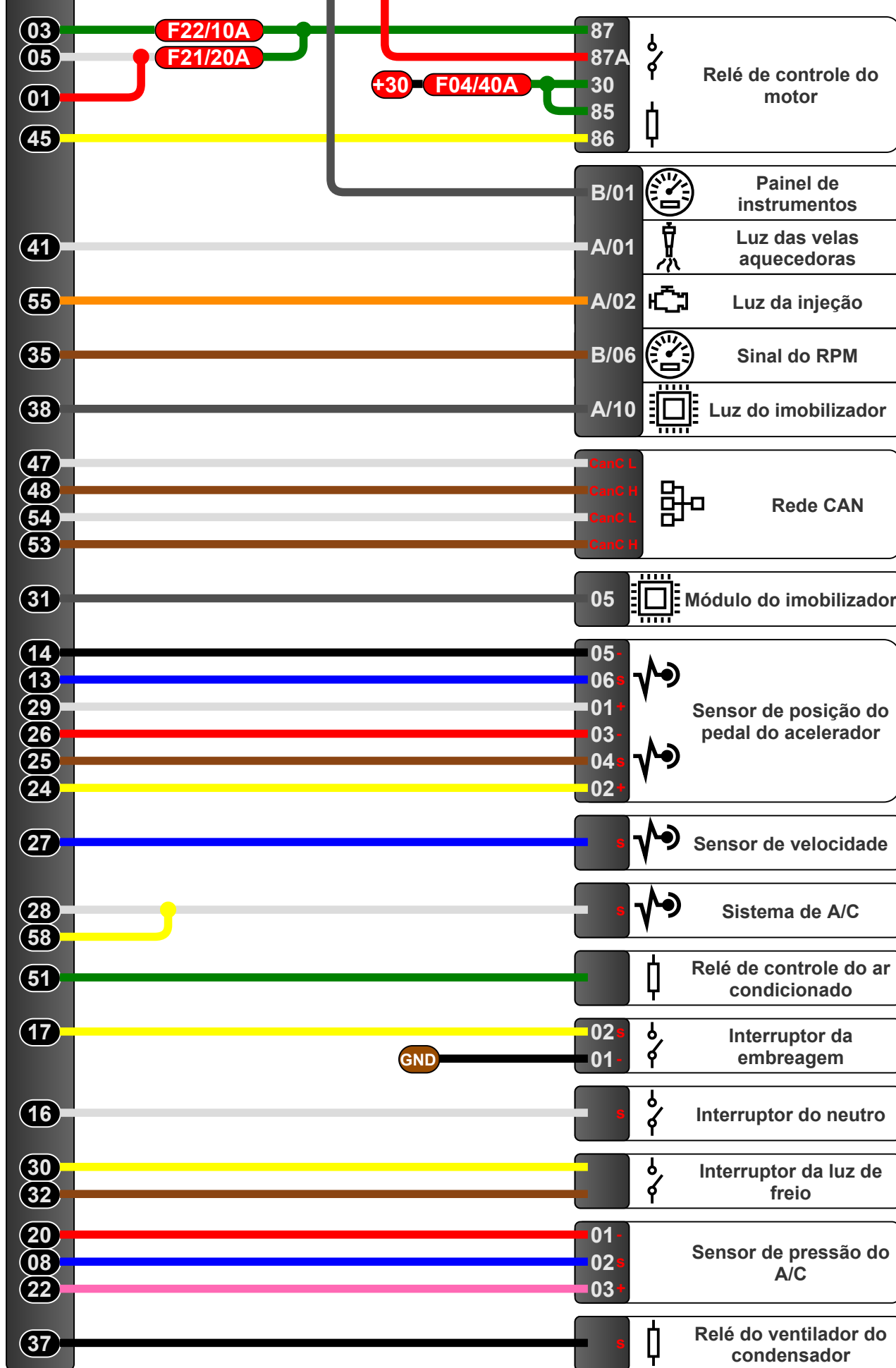
58
45
32
19

Esquema Elétrico

Conector B







IVECO

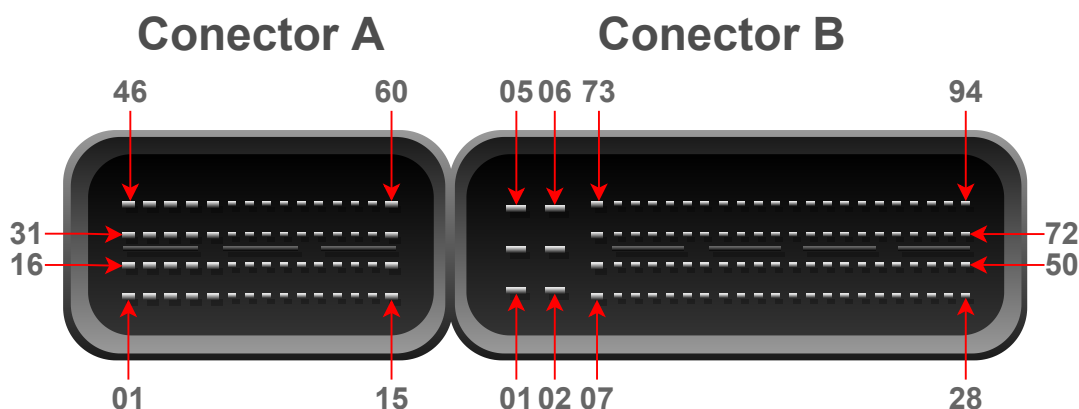
Modelos

Daily 35 C 14 – EDC 16C (2006/2009)	44
Daily 35 S 14 – EDC 16C (2007/2012)	44
Daily 35 C 17 – EDC 16C (2006/2009)	44
Daily 35 C 17 – EDC 16C (2006/2009)	44
Daily 40 C 14 – EDC 16C (2006/2009)	44
Daily 40 C 17 – EDC 16C (2006/2009)	44
Daily 65 C 14 – EDC 16C (2006/2009)	44
Daily 70 C 16 – EDC 16C (2007/2012)	44
Daily 65 C 17 – EDC 16C (2006/2009)	44
Daily 70 C 16 HD Massimo – EDC 16C (2010/2012)	44
Daily 40 S 16 – EDC 16C (2007/2012)	44
Daily 45 S 14 – EDC 16C (2007/2012)	44
Daily 45 S 16 – EDC 16C (2007/2012)	44
Daily 50 C 14 – EDC 16C (2006/2009)	44
Daily 50 C 17 – EDC 16C (2006/2009)	44
Daily 55 C 16 – EDC 16C (2007/2012)	44
Scudato 70 C 16 – EDC 16C (2007/...)	44
Daily 35 S 14 - 3.0 16v 164cv (2012/2018).....	48
Daily 45 S 17 - 3.0 16v 170cv (2012/2018).....	48
Daily 55 C 17 - 3.0 16v 170cv (2012/2018)	48
Daily 70 C 17 - 3.0 16v 164cv (2012/2018)	48
Daily Vetrato 45 S 17 - 3.0 16v 164cv (2012/2018)	48
Daily Vetrato 55 C 17 - 3.0 16v 170cv (2012/2018)	48
Scudato 70 C 17 - 3.0 16v 170cv (2012/2018)	48
Stralis 450 8.7 – EDC 7 UC31 (2012/2018).....	52
Stralis 460 8.7 – EDC 7 UC31 (2012/2018).....	52
Stralis 500 8.7 – EDC 7 UC31 (2012/2018).....	52
Stralis 530 8.7 – EDC 7 UC31 (2012/2018).....	52
Stralis 450 8.7 – Sistema SCR – Euro 5 (2012/2018).....	56
Stralis 460 8.7 – Sistema SCR – Euro 5 (2012/2018).....	56
Stralis 500 8.7 – Sistema SCR – Euro 5 (2012/2018).....	56
Stralis 530 8.7 – Sistema SCR – Euro 5 (2012/2018).....	56
Tector 4.5 - EDC 7 UC31 (2012/...)	57
Tector 170 E 22 5.9 - EDC 7 UC31 (2012/...)	60
Tector 170 E 28 5.9 - EDC 7 UC31 (2012/...)	60
Tector 240 E 22 5.9 - EDC 7 UC31 Attack (2012/...)	60
Tector 240 E 28 5.9 - EDC 7 UC31 (2012/...)	60
Tector 260 E 28 5.9 - EDC 7 UC31 (2012/...)	60
Sistema de Redução Catalítica Seletiva (SCR) – Arla 32.....	63

Modelos:

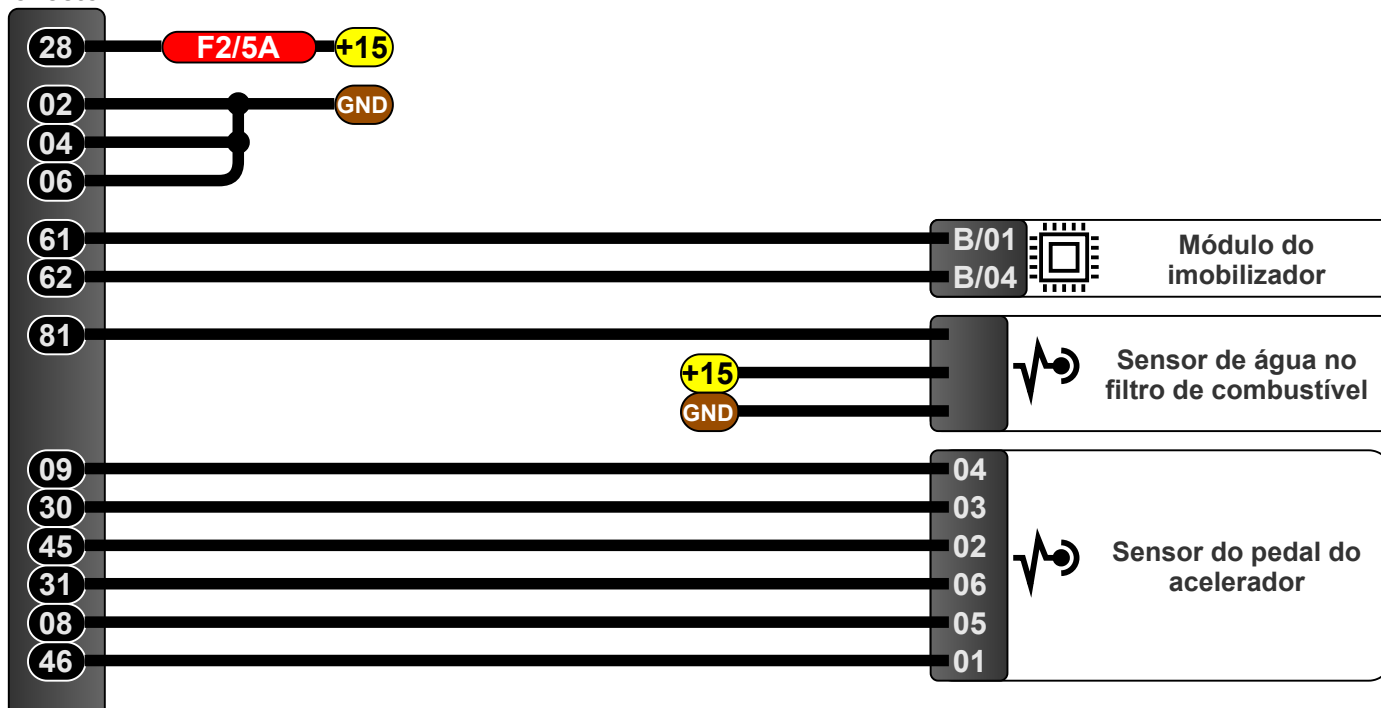
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 Daily 40 C 14 - EDC 16C (2006/2009)
 Daily 40 C 17 - EDC 16C (2006/2009)
 Daily 65 C 14 - EDC 16C (2006/2009)
 Daily 70 C 16 - EDC 16C (2007/2012)
 Daily 65 C 17 - EDC 16C (2006/2009)
 Daily 70 C 16 HD Massimo - EDC 16C (2010/2012)
 Daily 40 S 16 - EDC 16C (2007/2012)
 Daily 45 S 14 - EDC 16C (2007/2012)
 Daily 45 S 16 - EDC 16C (2007/2012)
 Daily 50 C 14 - EDC 16C (2006/2009)
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 Scudato 70 C 16 - EDC 16C (2007/...)

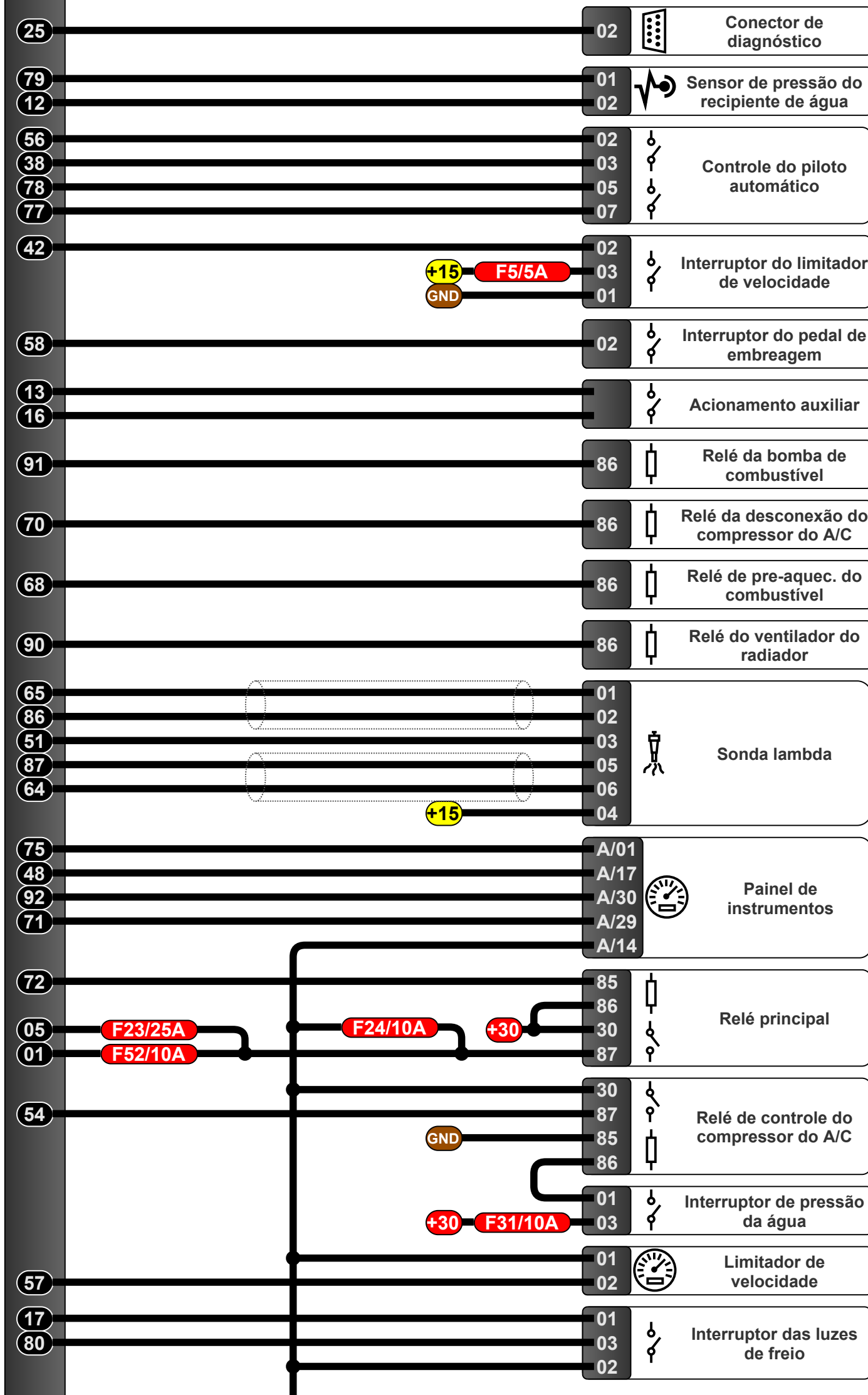
Conectores da Central

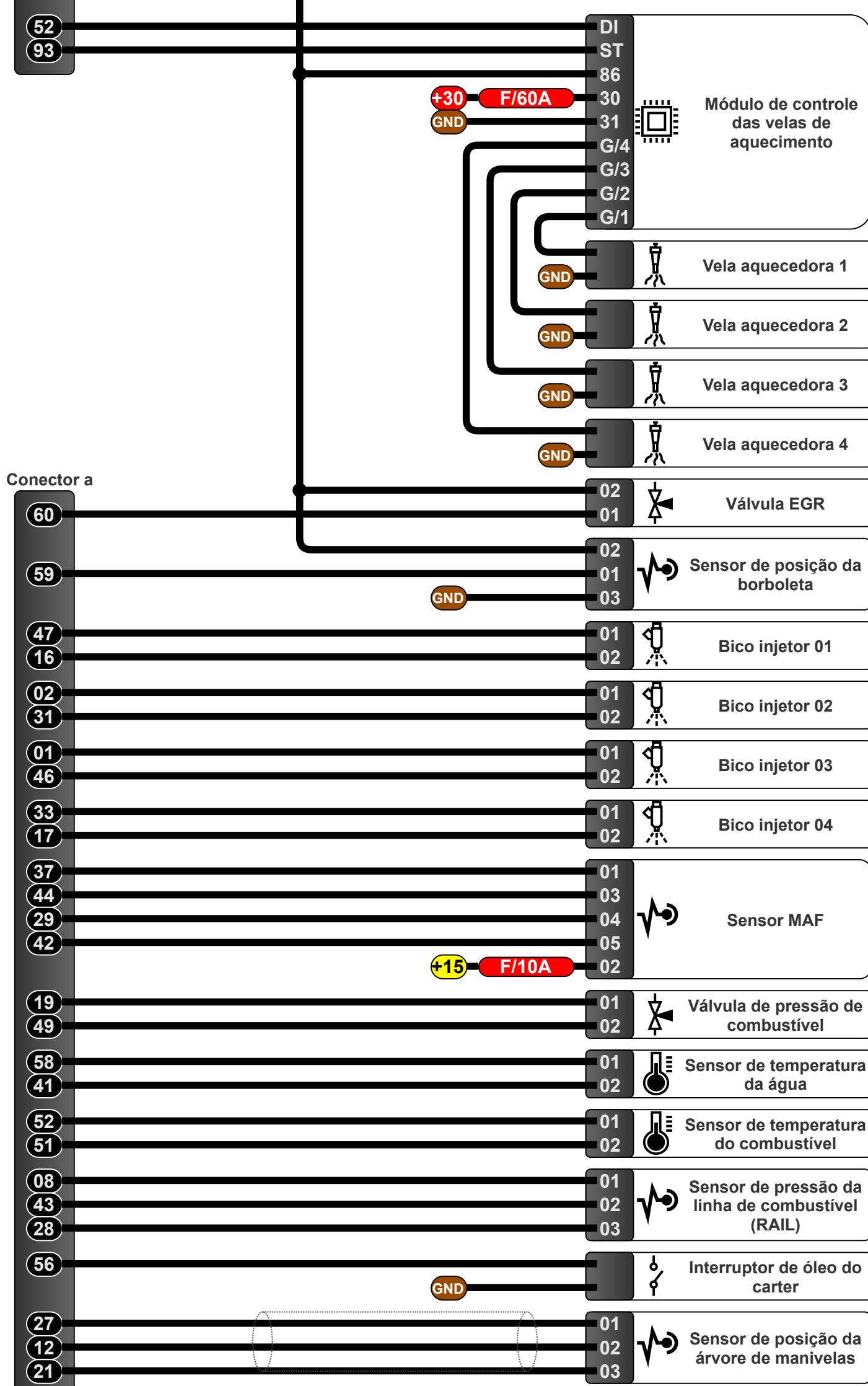


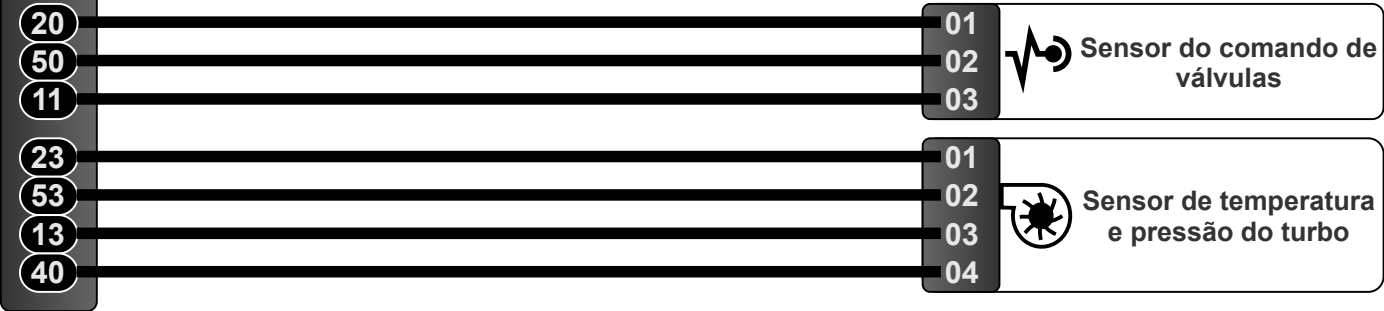
Esquema Elétrico

Conector B







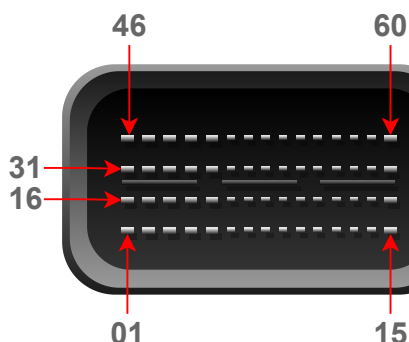


Modelos:

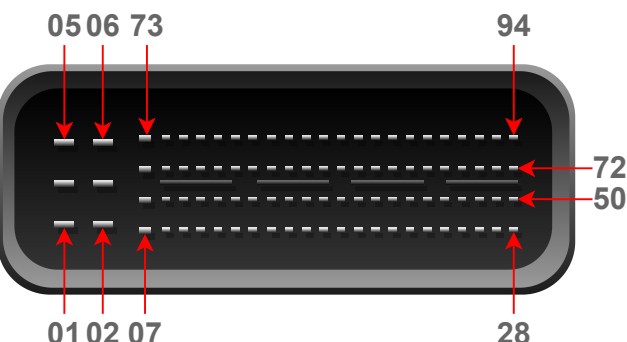
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 Daily 45 S 17 - 3.0 16v 170cv (2012/2018)
 Daily 55 C 17 - 3.0 16v 170cv (2012/2018)
 Daily 70 C 17 - 3.0 16v 164cv (2012/2018)
 Daily Vetrato 45 S 17 - 3.0 16v 164cv (2012/2018)
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Conectores da Central

Conector A

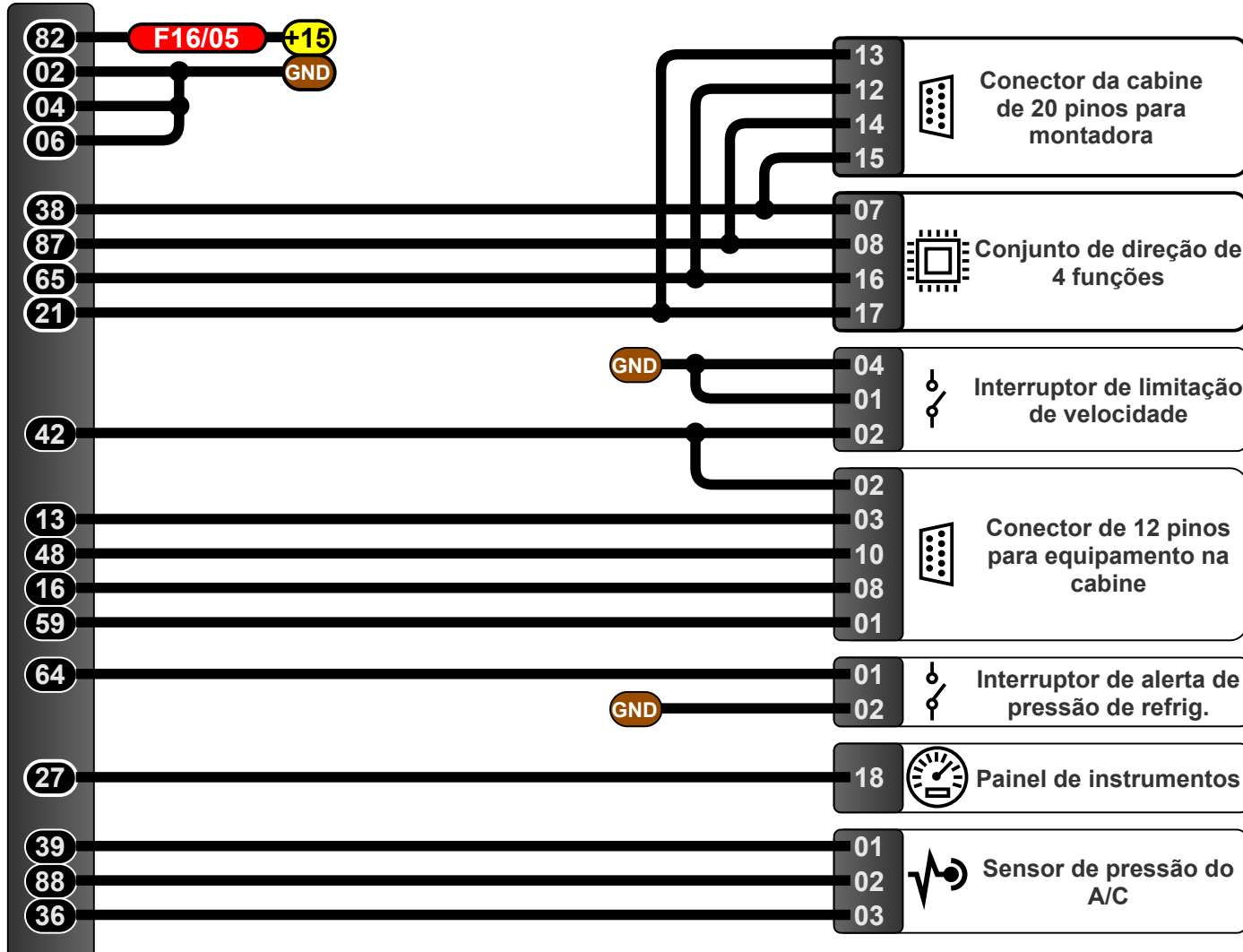


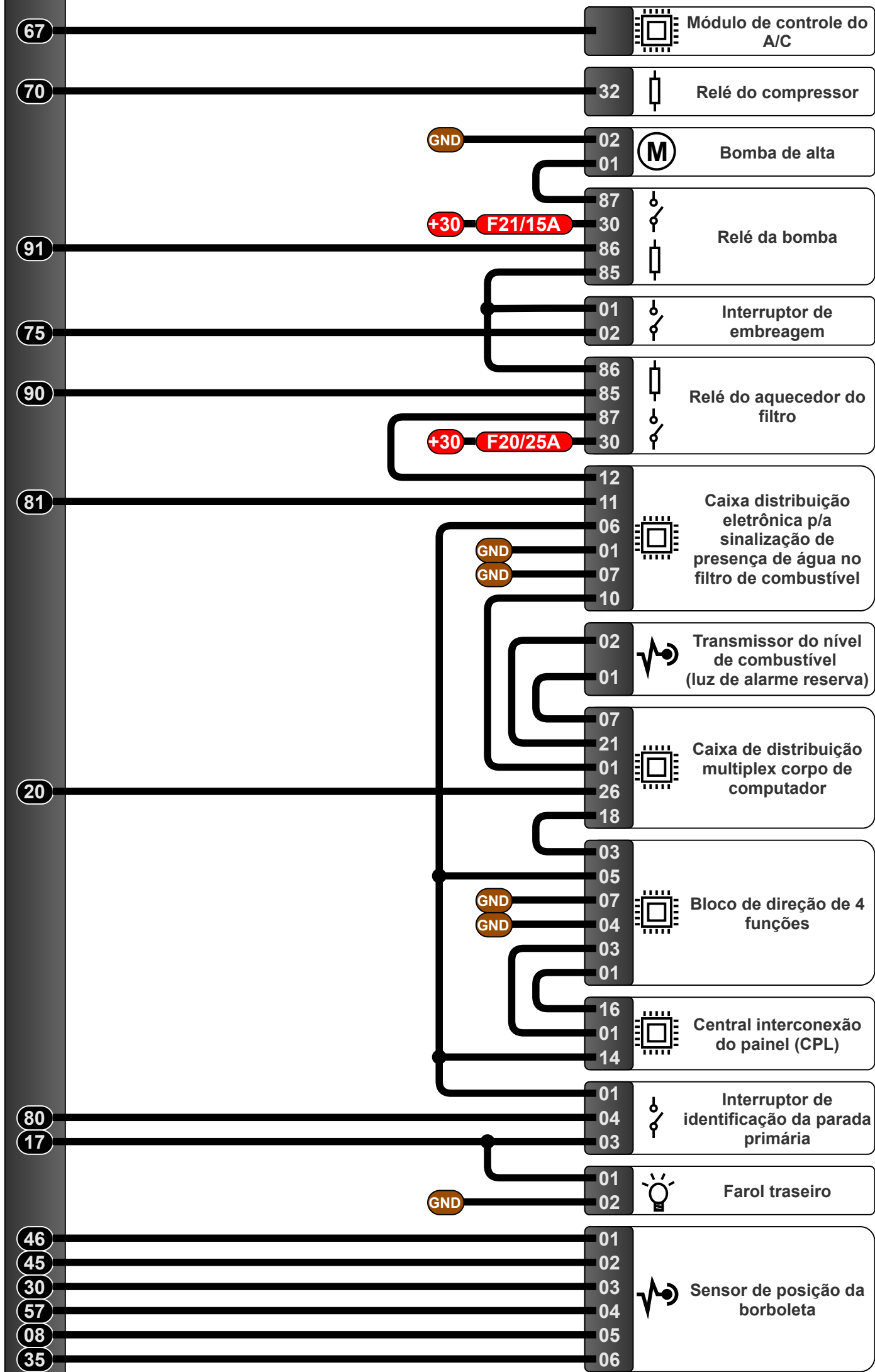
Conector B

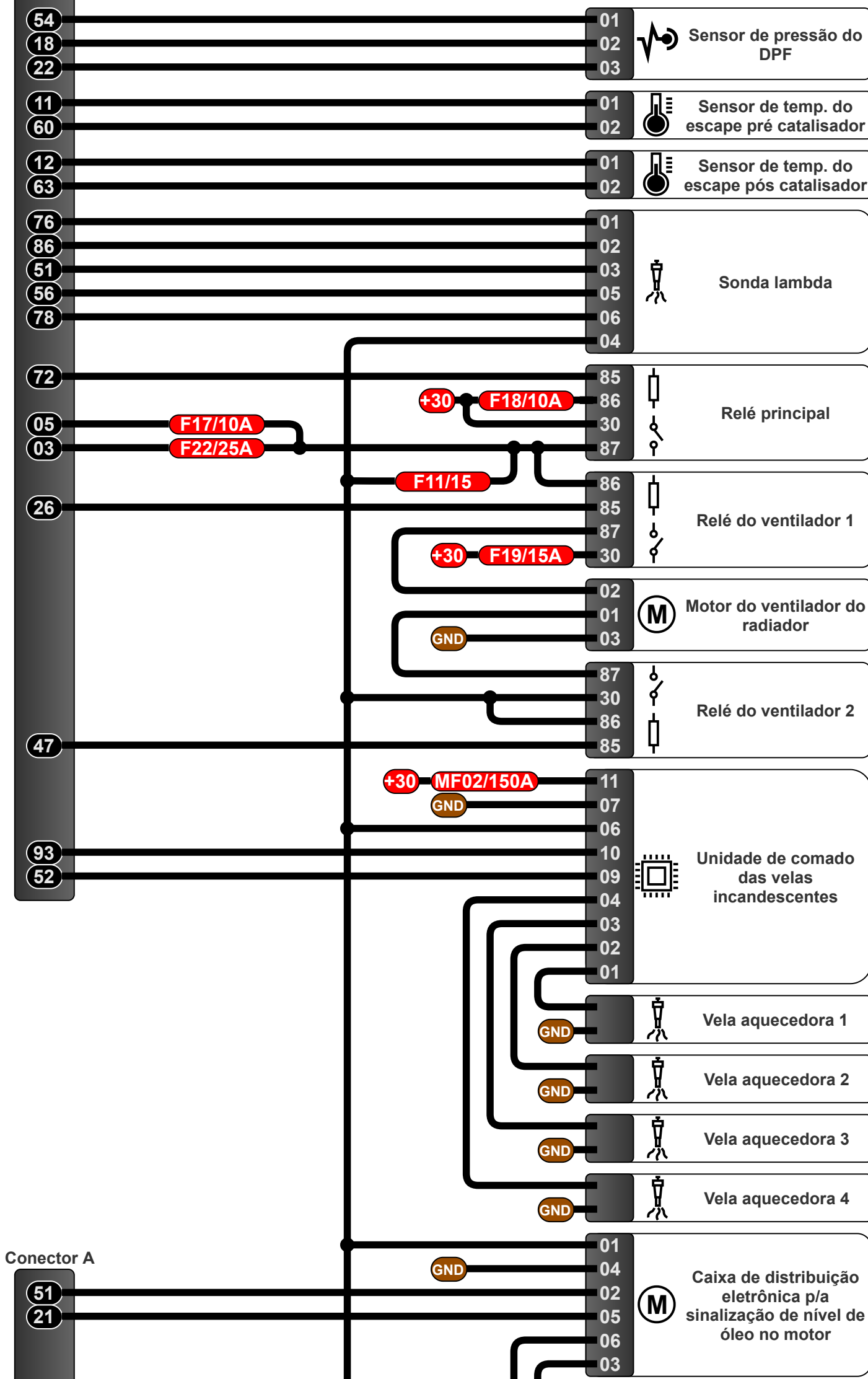


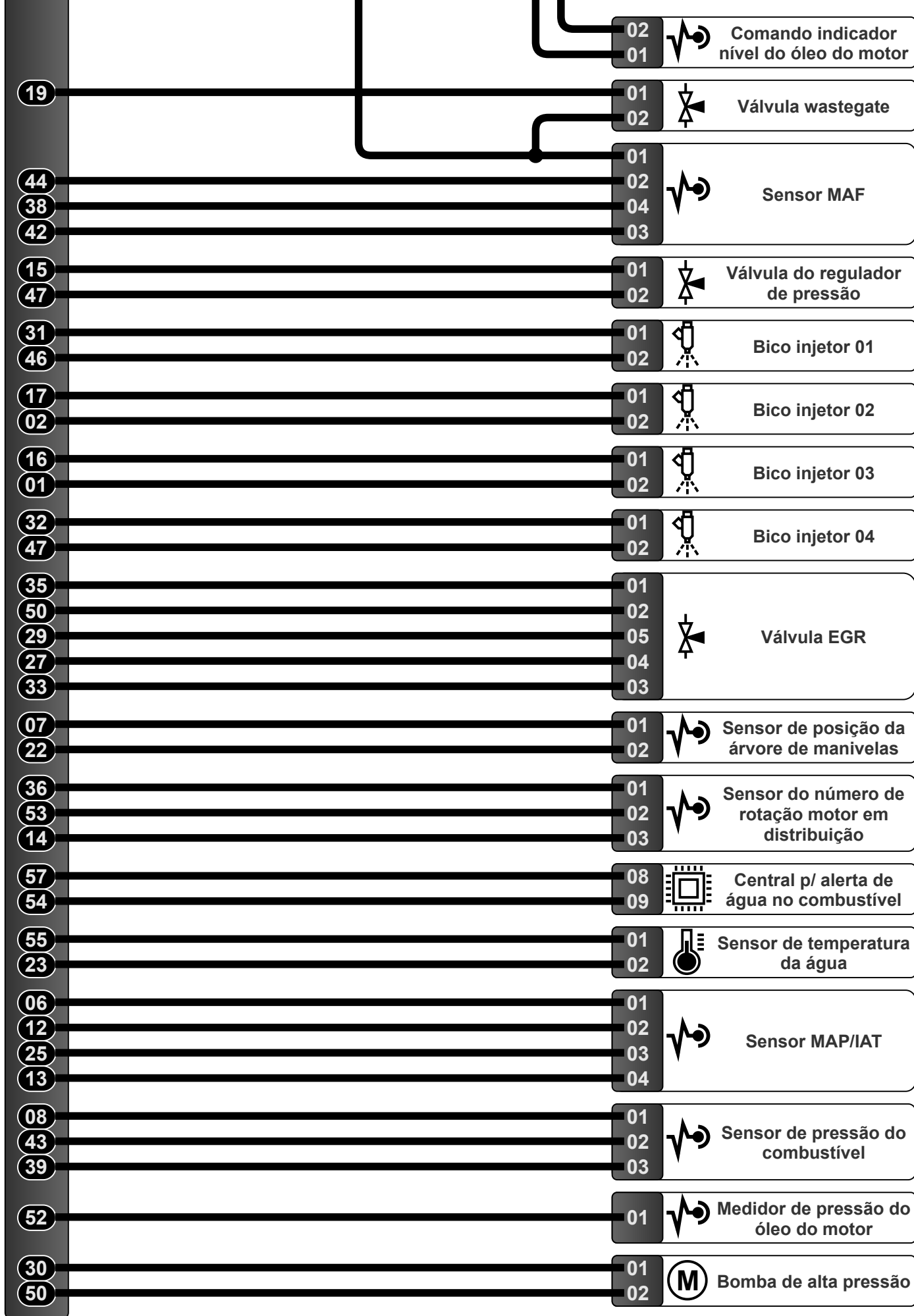
Esquema Elétrico

Conector B





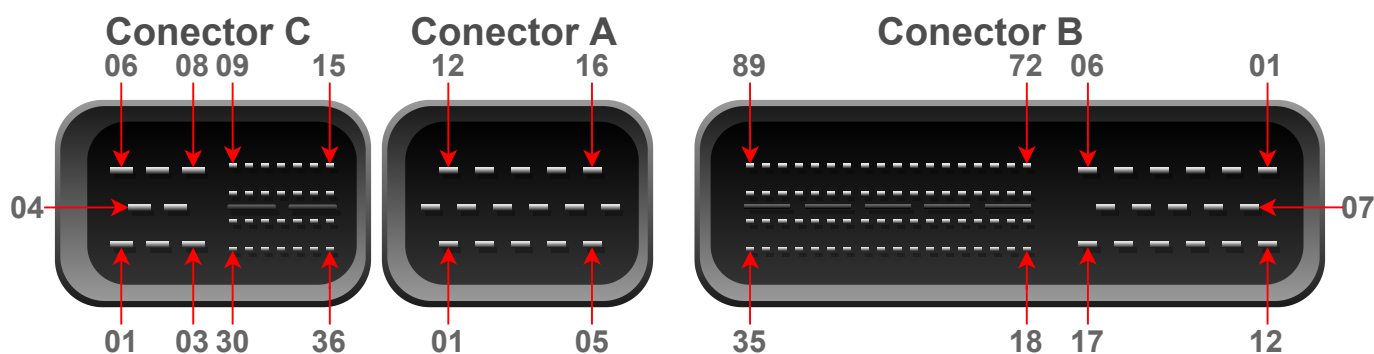




Modelos:

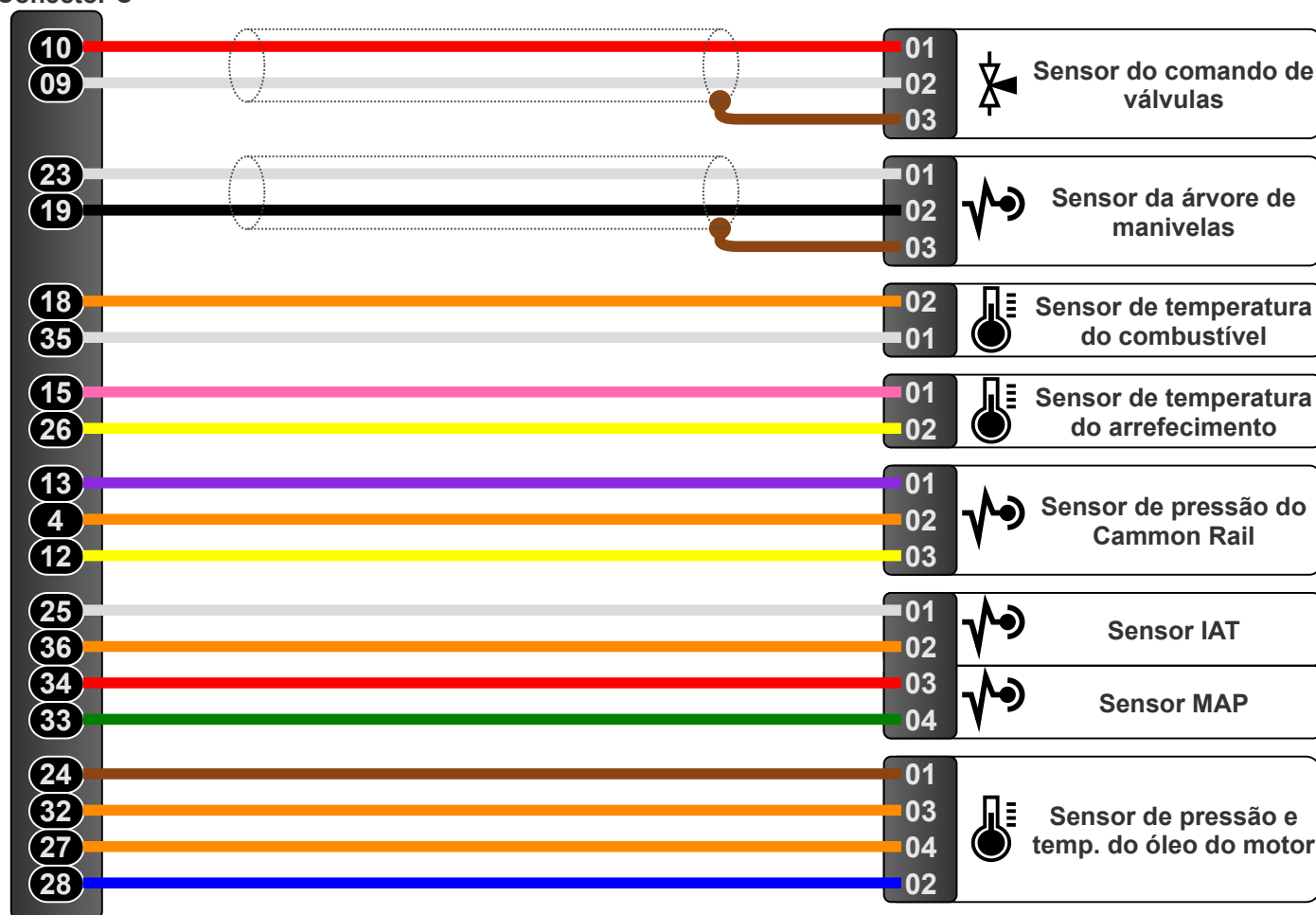
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 Stralis 460 8.7 - EDC 7 UC31 (2012/2018)
 Stralis 500 8.7 - EDC 7 UC31 (2012/2018)
 Stralis 530 8.7 - EDC 7 UC31 (2012/2018)

Conectores da Central



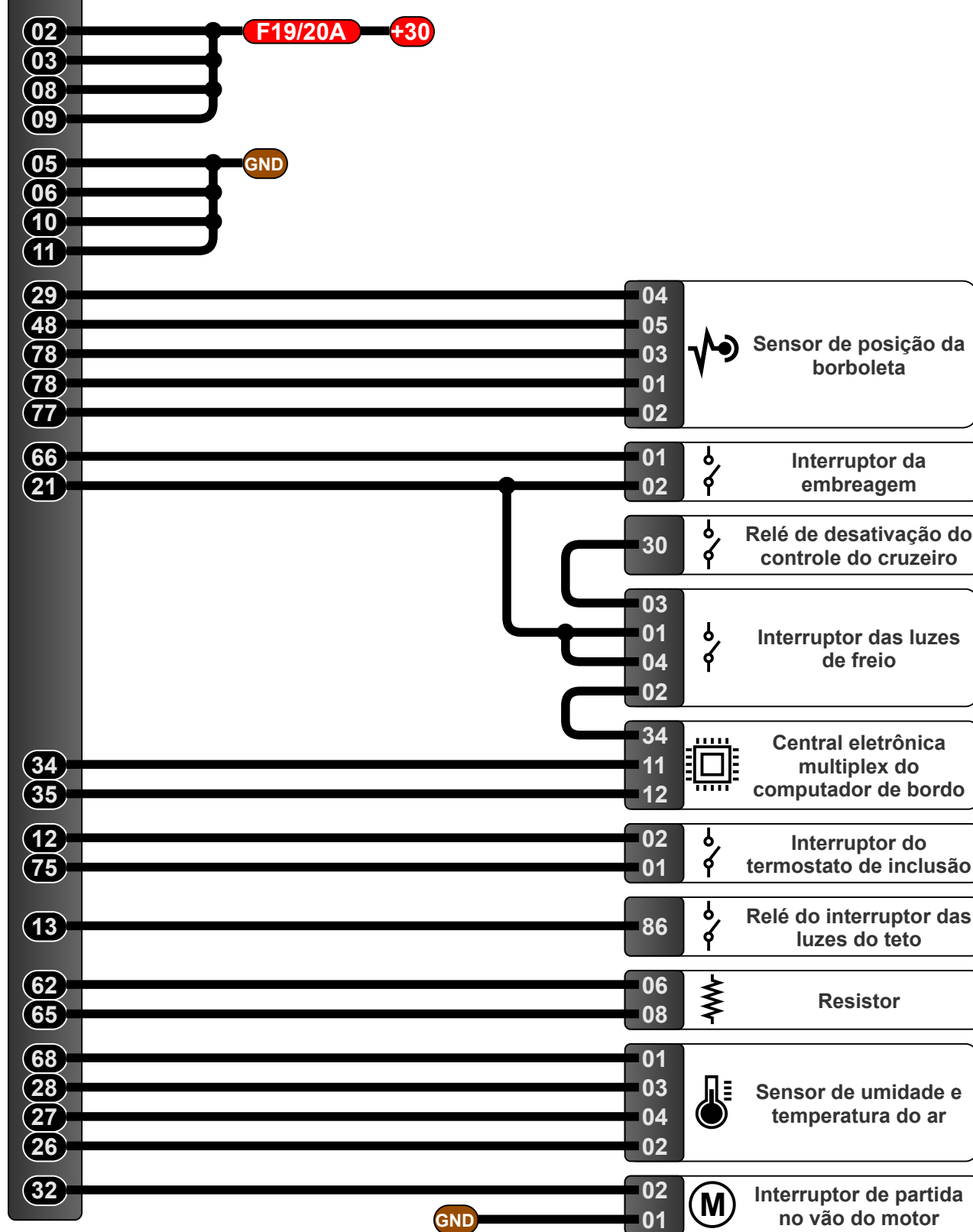
Esquema Elétrico

Conector C

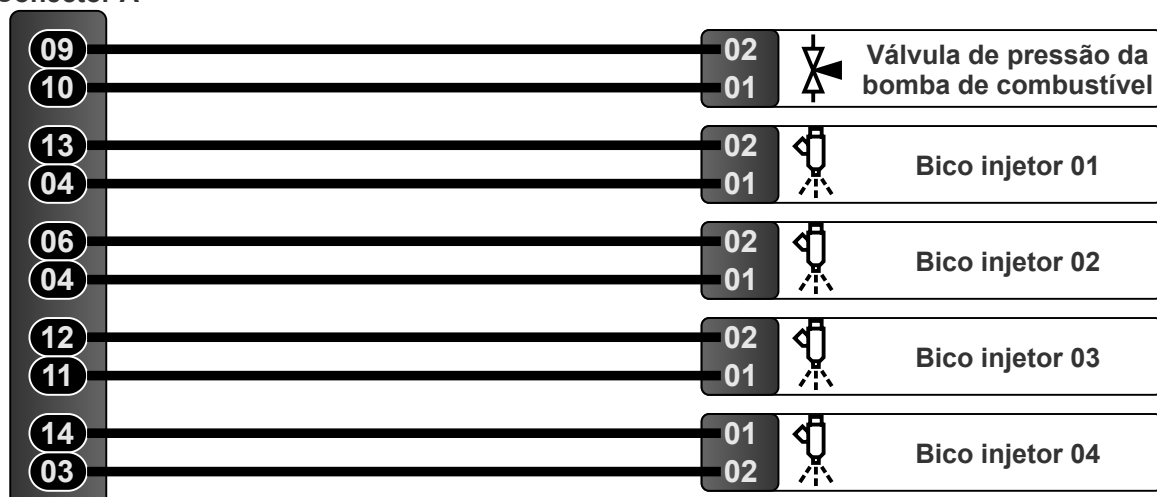


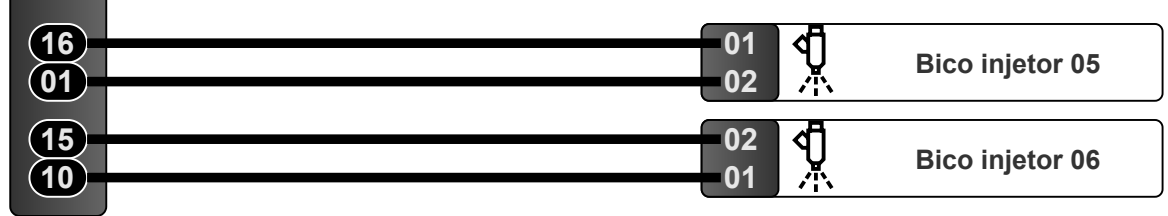
Conector B





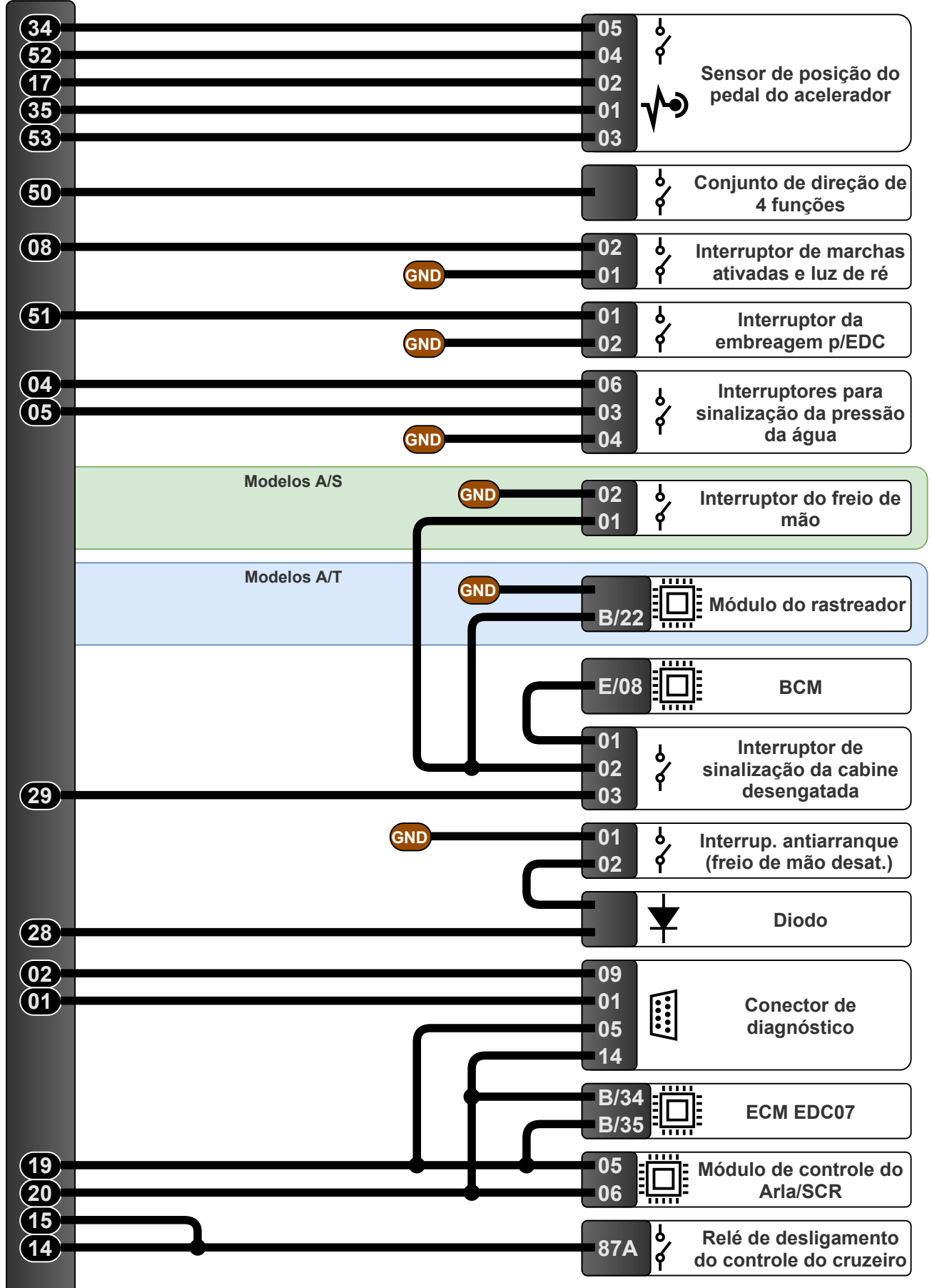
Conector A

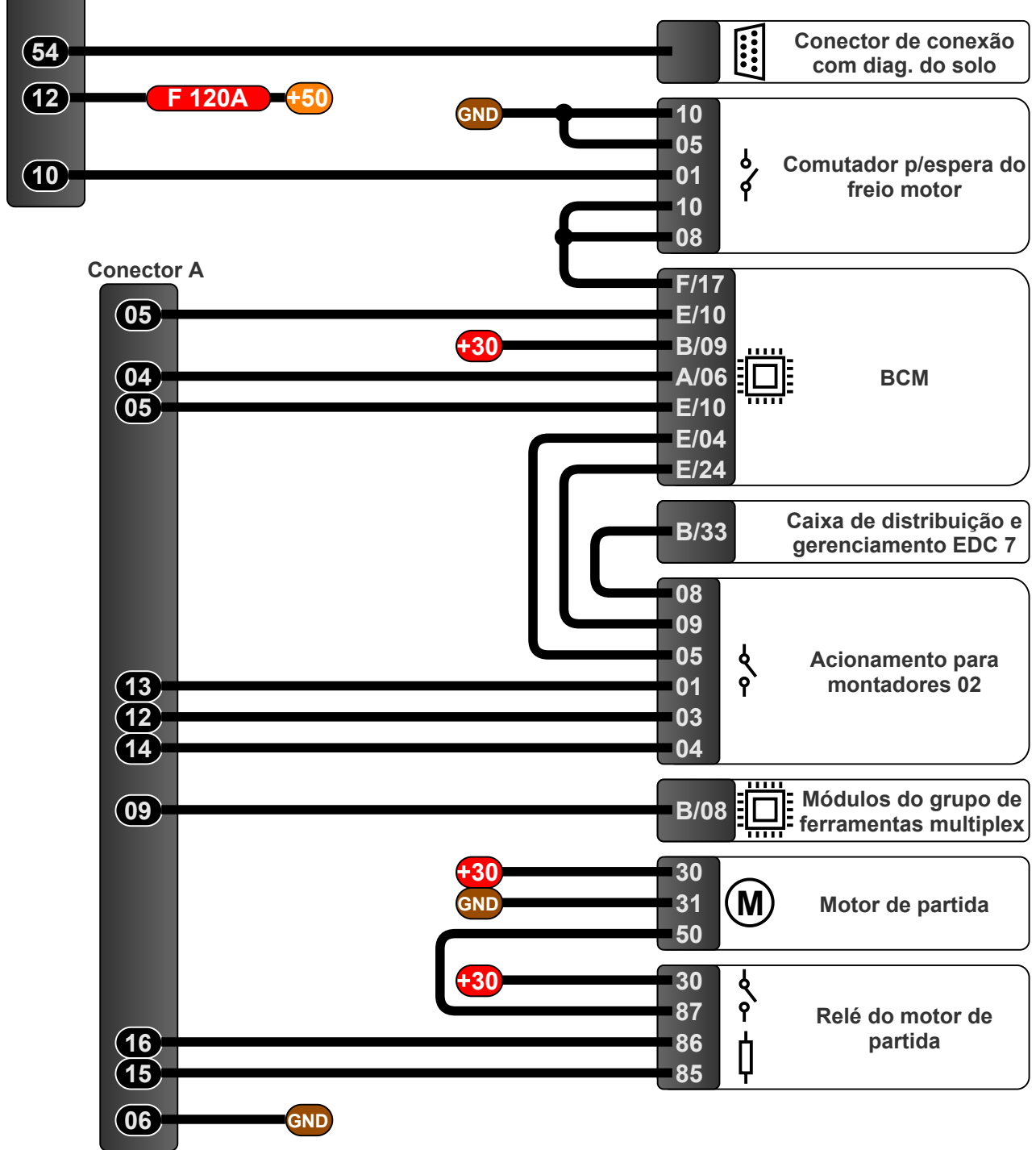




Esquema da Central do vão do Motor

Conector B

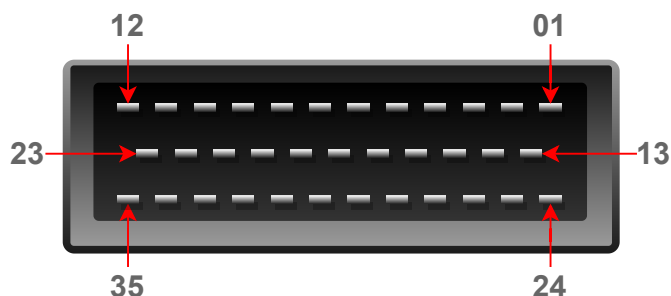




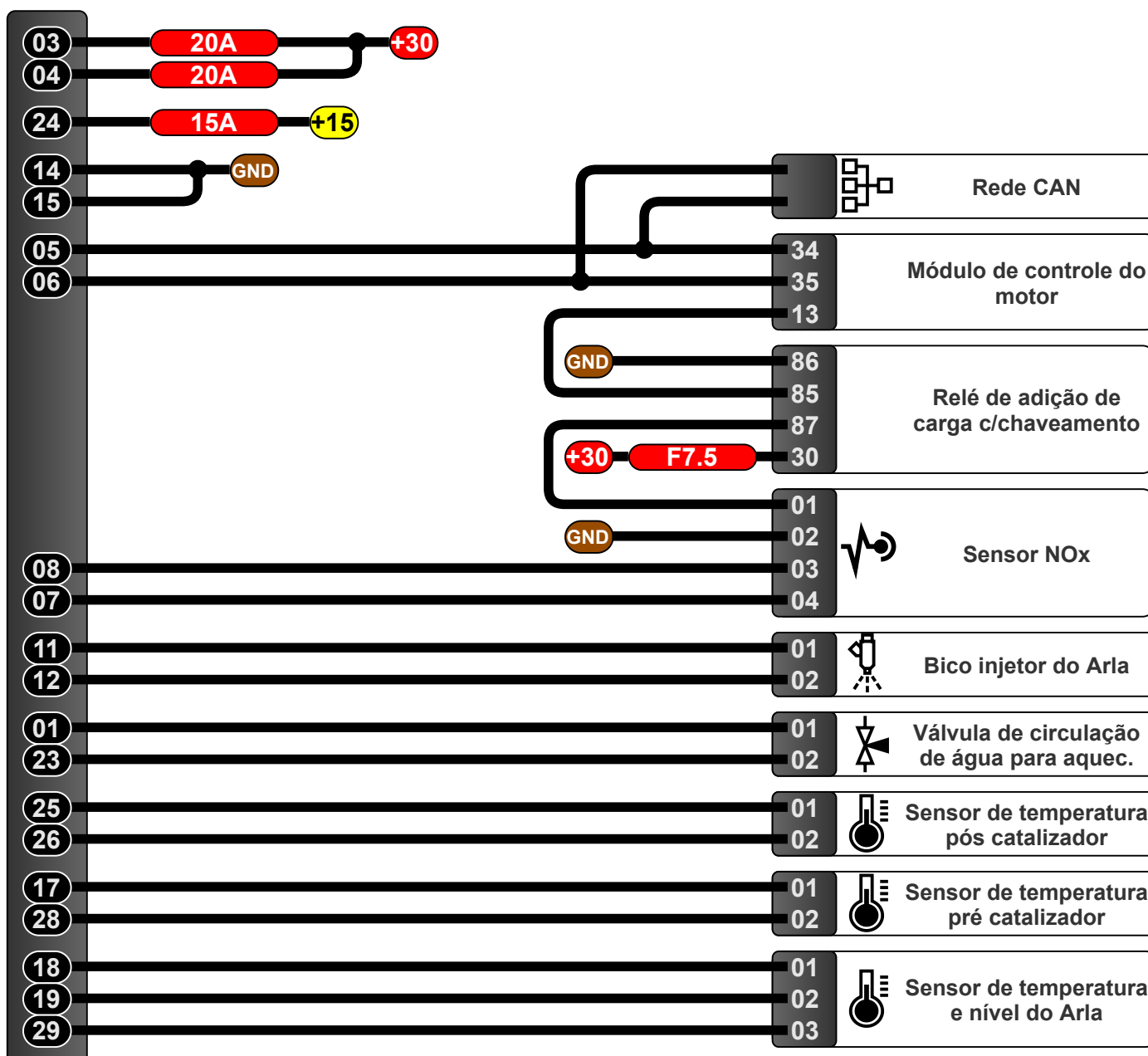
Modelos:

Stralis 450 8.7 - EDC 7 UC31 (2012/2018)
Stralis 460 8.7 - EDC 7 UC31 (2012/2018)
Stralis 500 8.7 - EDC 7 UC31 (2012/2018)
Stralis 530 8.7 - EDC 7 UC31 (2012/2018)

Conector da Central

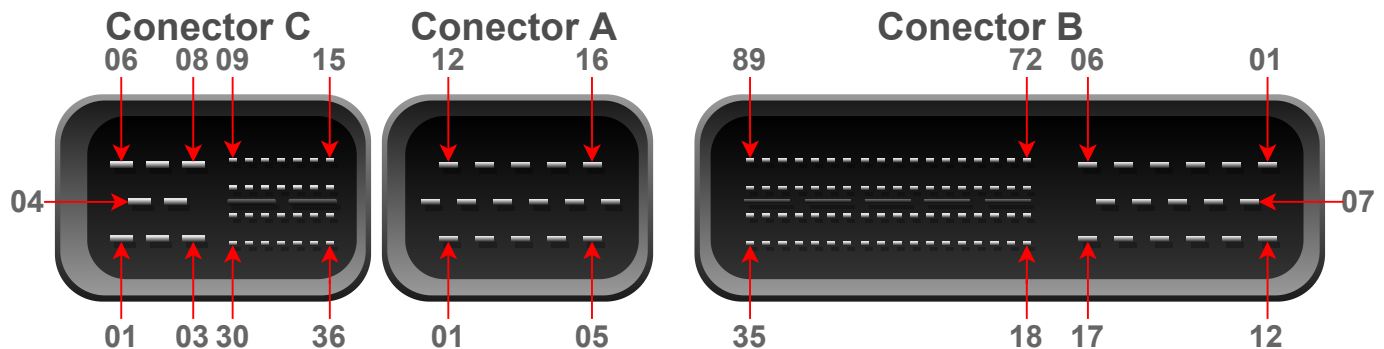


Esquema Elétrico do Sistema de Redução Catalítica Seletiva (SCR)



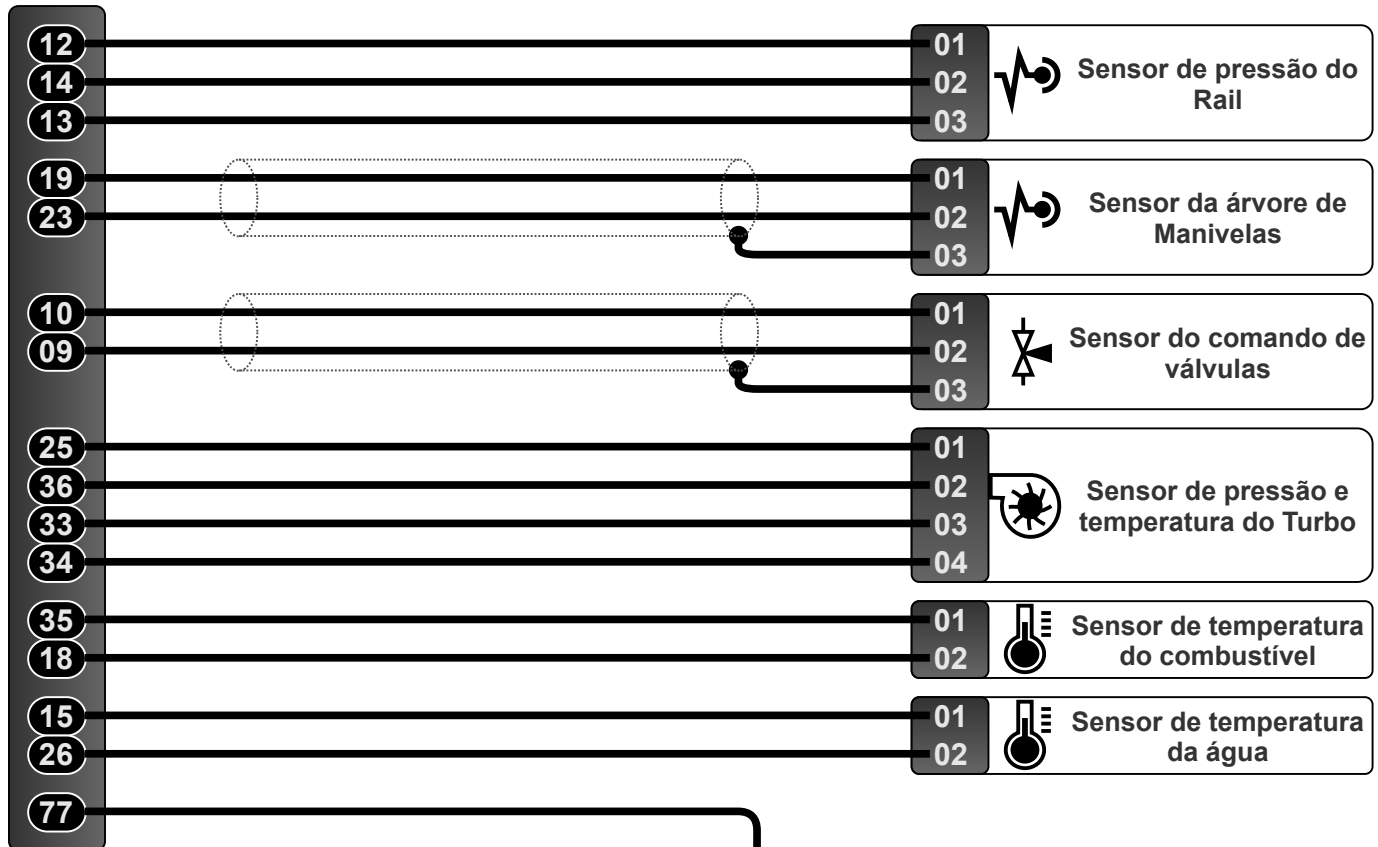
Modelos:
Tector 4.5 (2012/...) - EDC 7 UC31

Conectores da Central

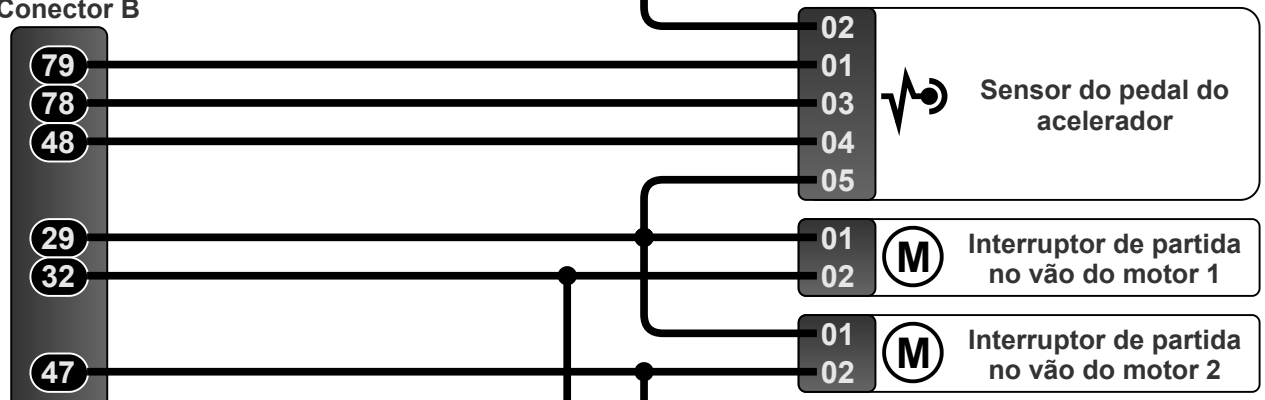


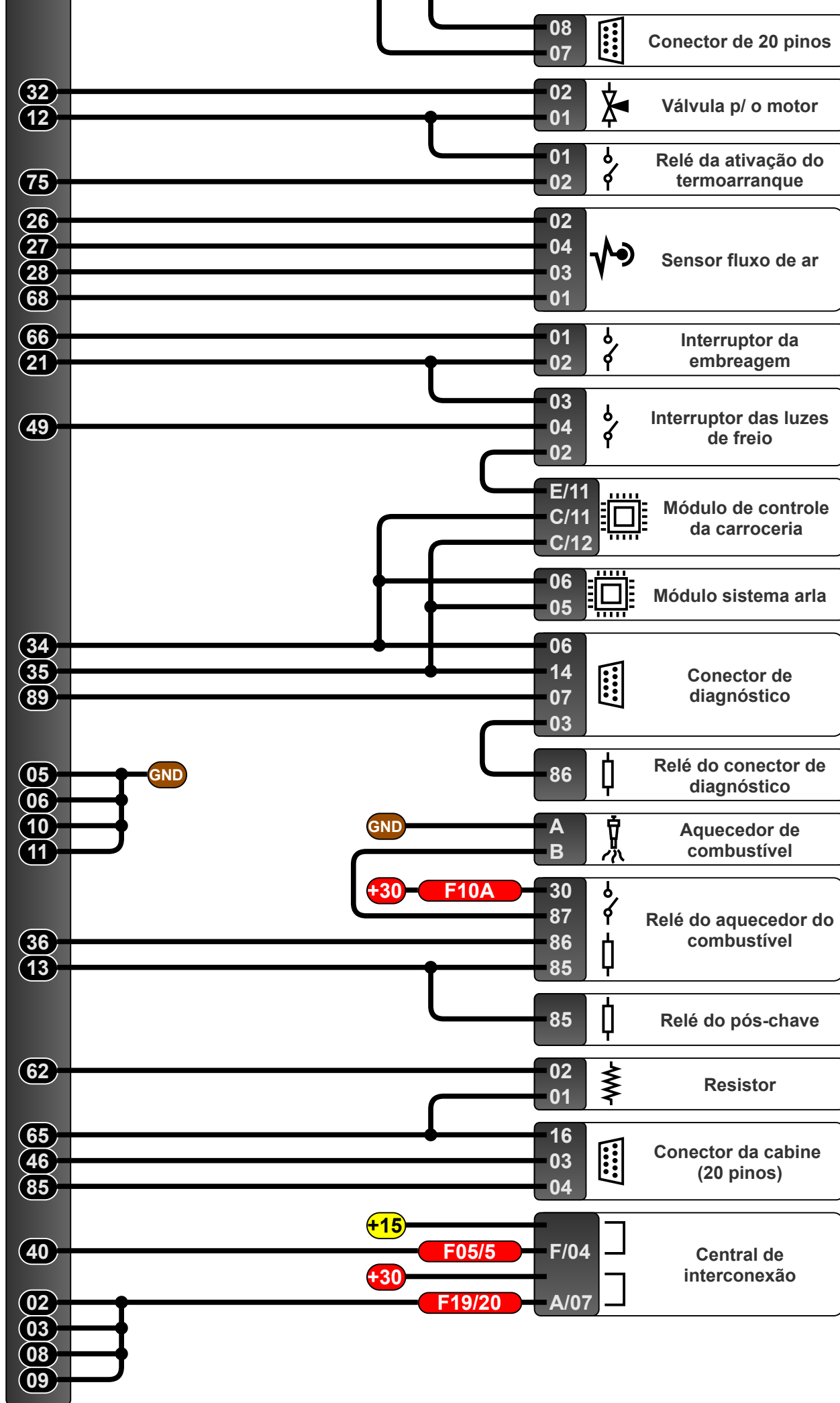
Esquema Elétrico

Conector C

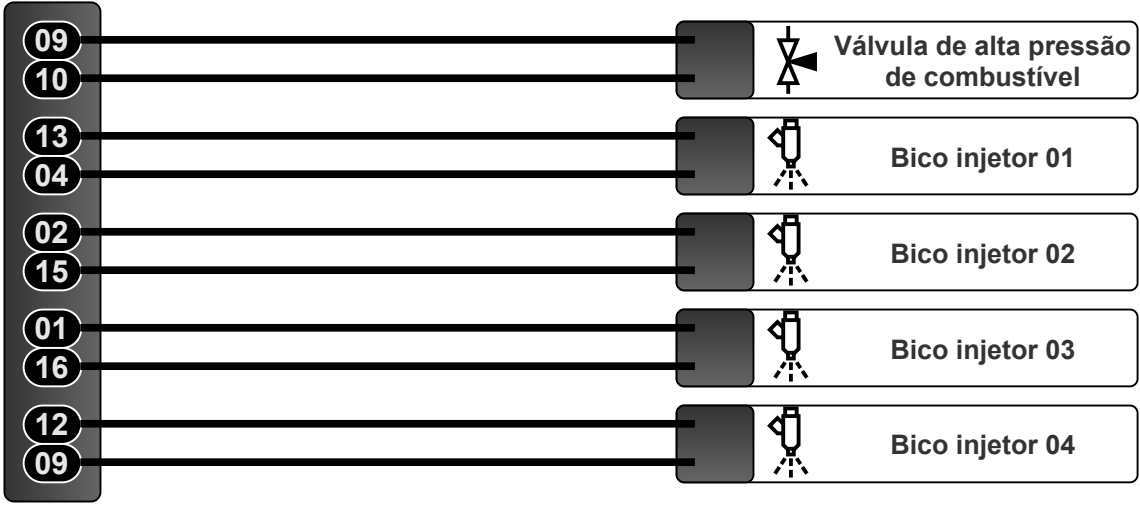


Conector B





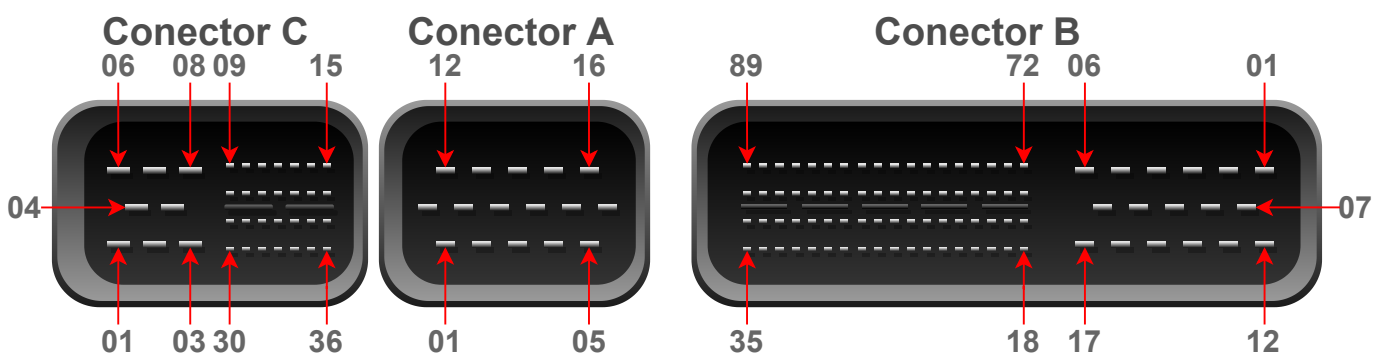
Conector A



Modelos:

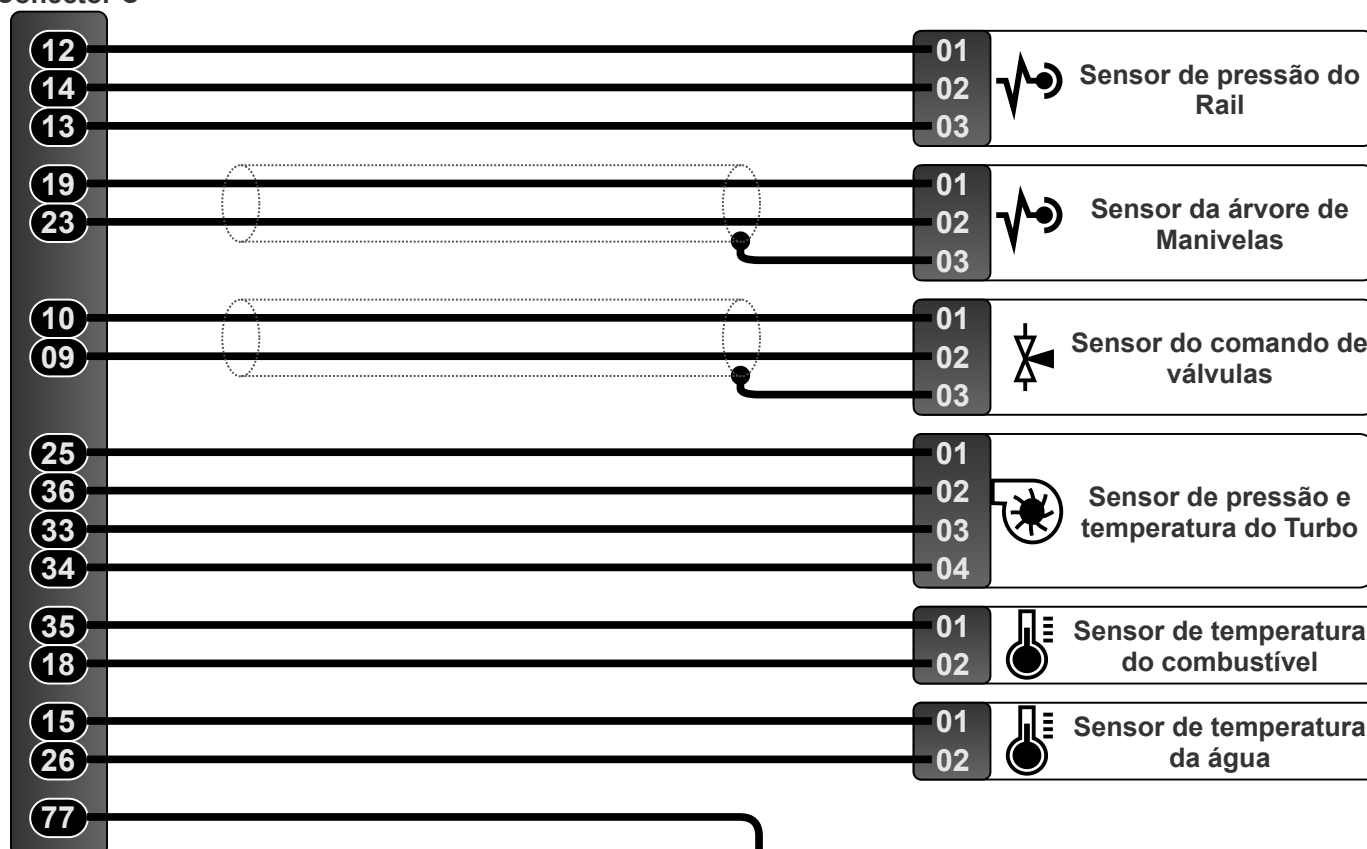
Tector 170 E 22 5.9 (2012/...) - EDC 7 UC31
 Tector 170 E 28 5.9 (2012/...) - EDC 7 UC31
 Tector 240 E 22 5.9 Attack (2012/...) - EDC 7 UC31
 Tector 240 E 28 5.9 (2012/...) - EDC 7 UC31
 Tector 260 E 28 5.9 (2012/...) - EDC 7 UC31

Conectores da Central

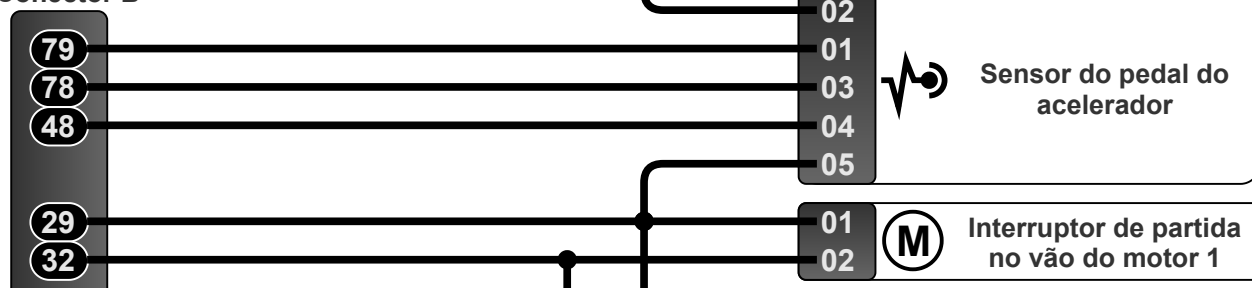


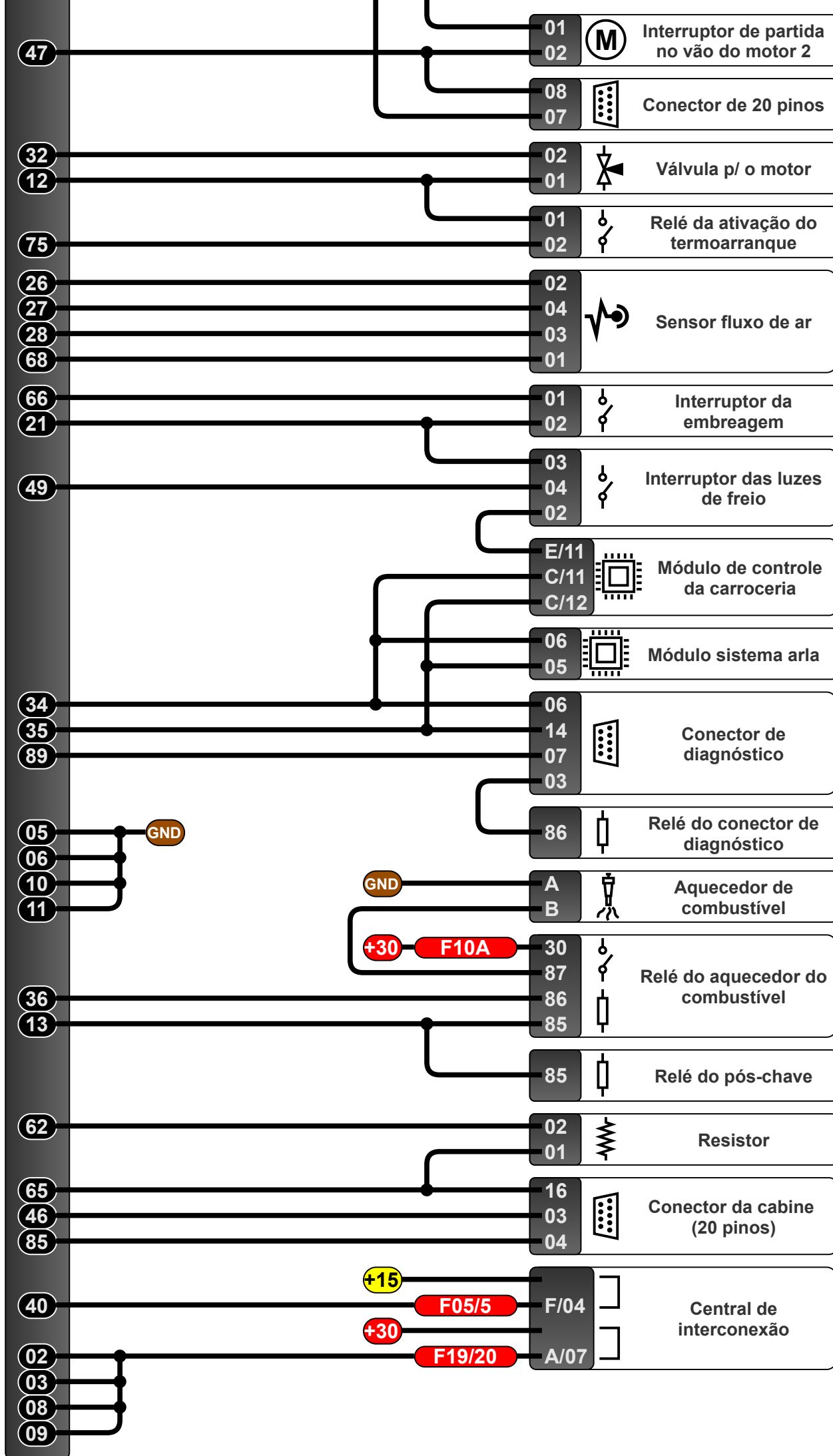
Esquema Elétrico

Conector C

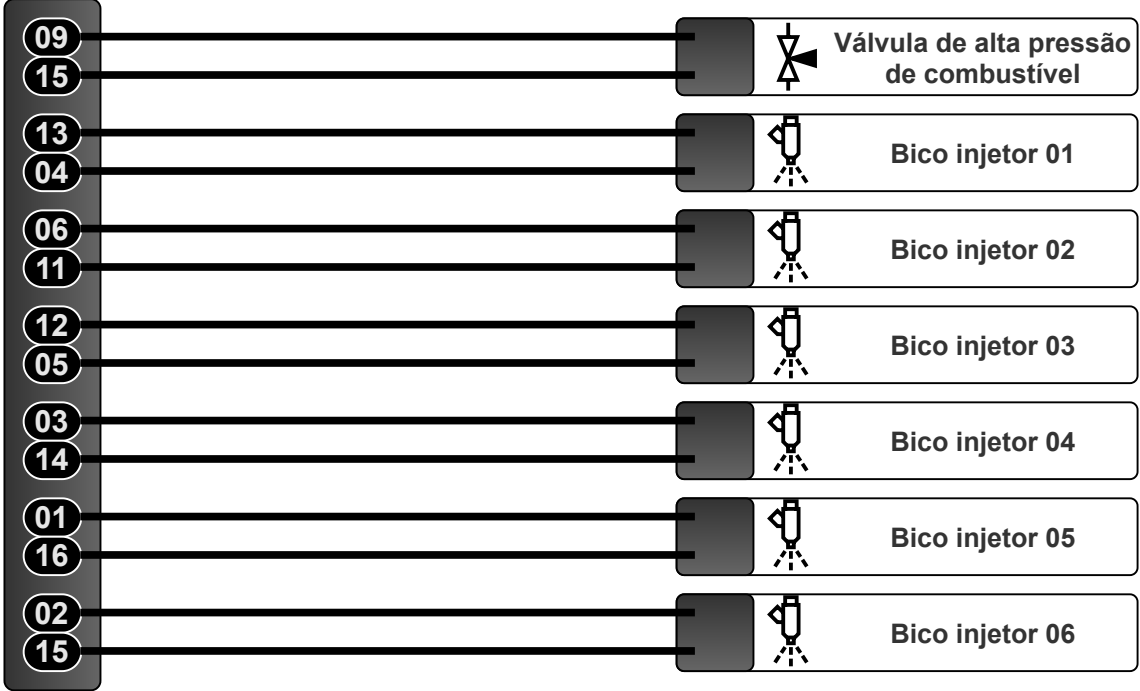


Conector B



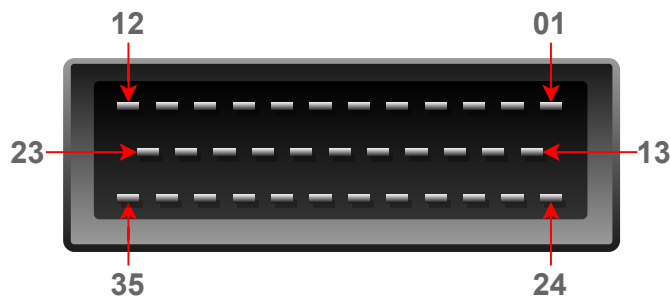


Conector A

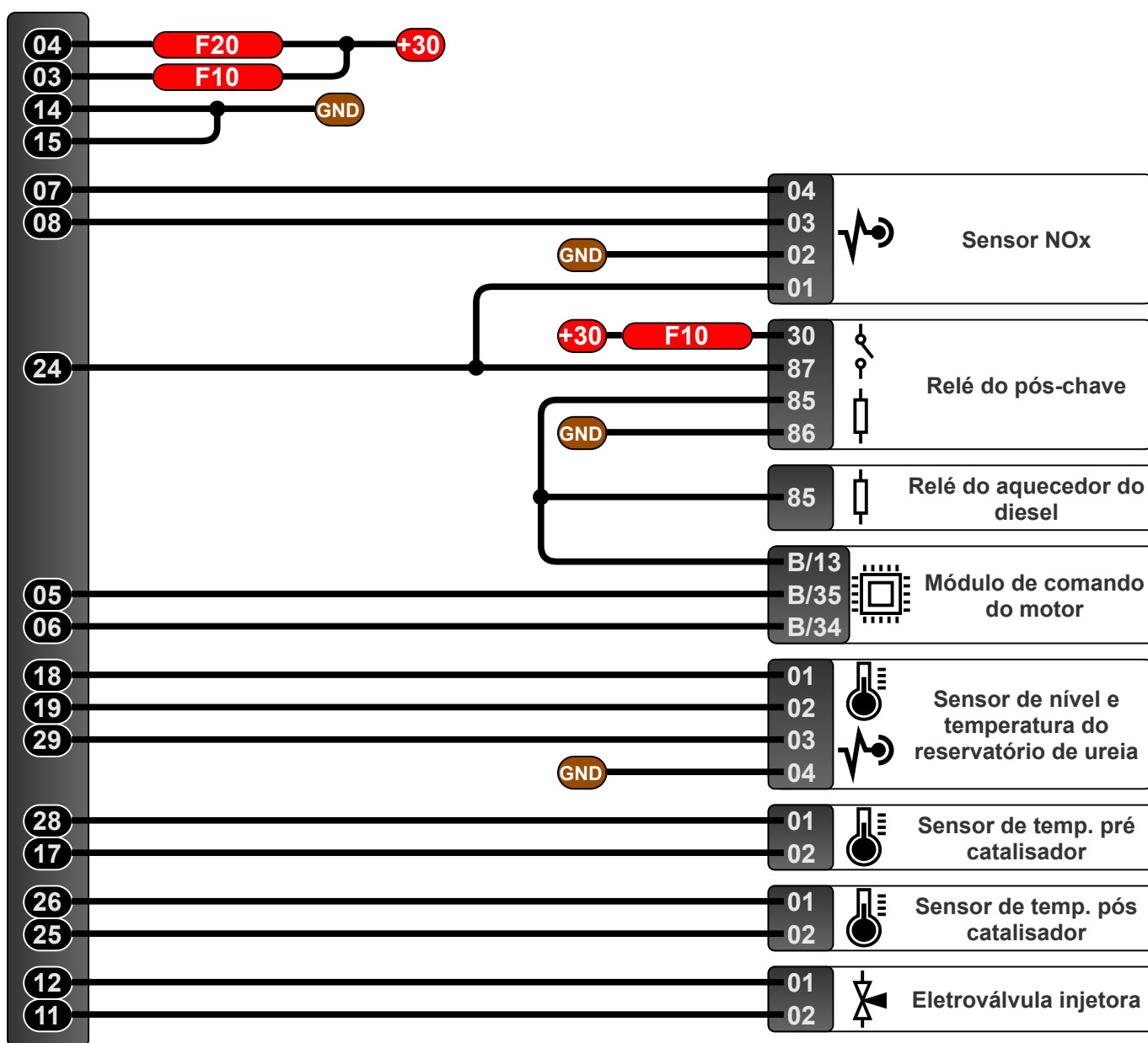


Modulo do Sistema de Redução Catalítica (SCR)

Conector da Central



Esquema Elétrico



Jeep

Modelos

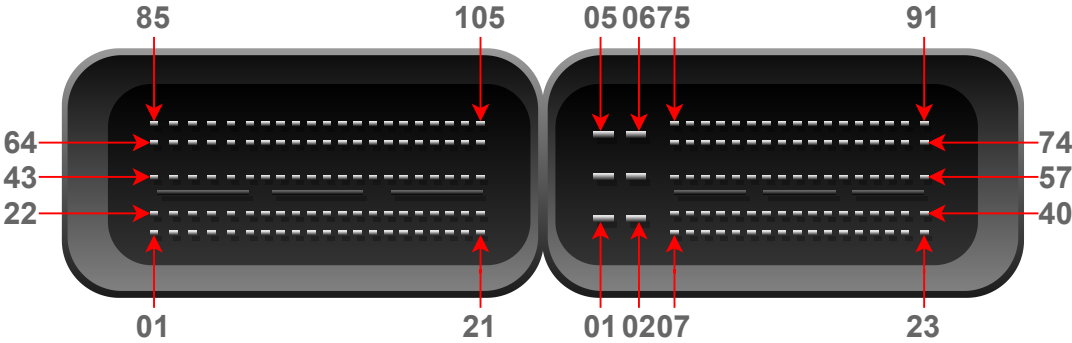
JEEP Renegade 2.0 Diesel (2015/...).....	65
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Modelos:
JEEP Renegade 2.0 Diesel (2015/...)

Conectores da Central

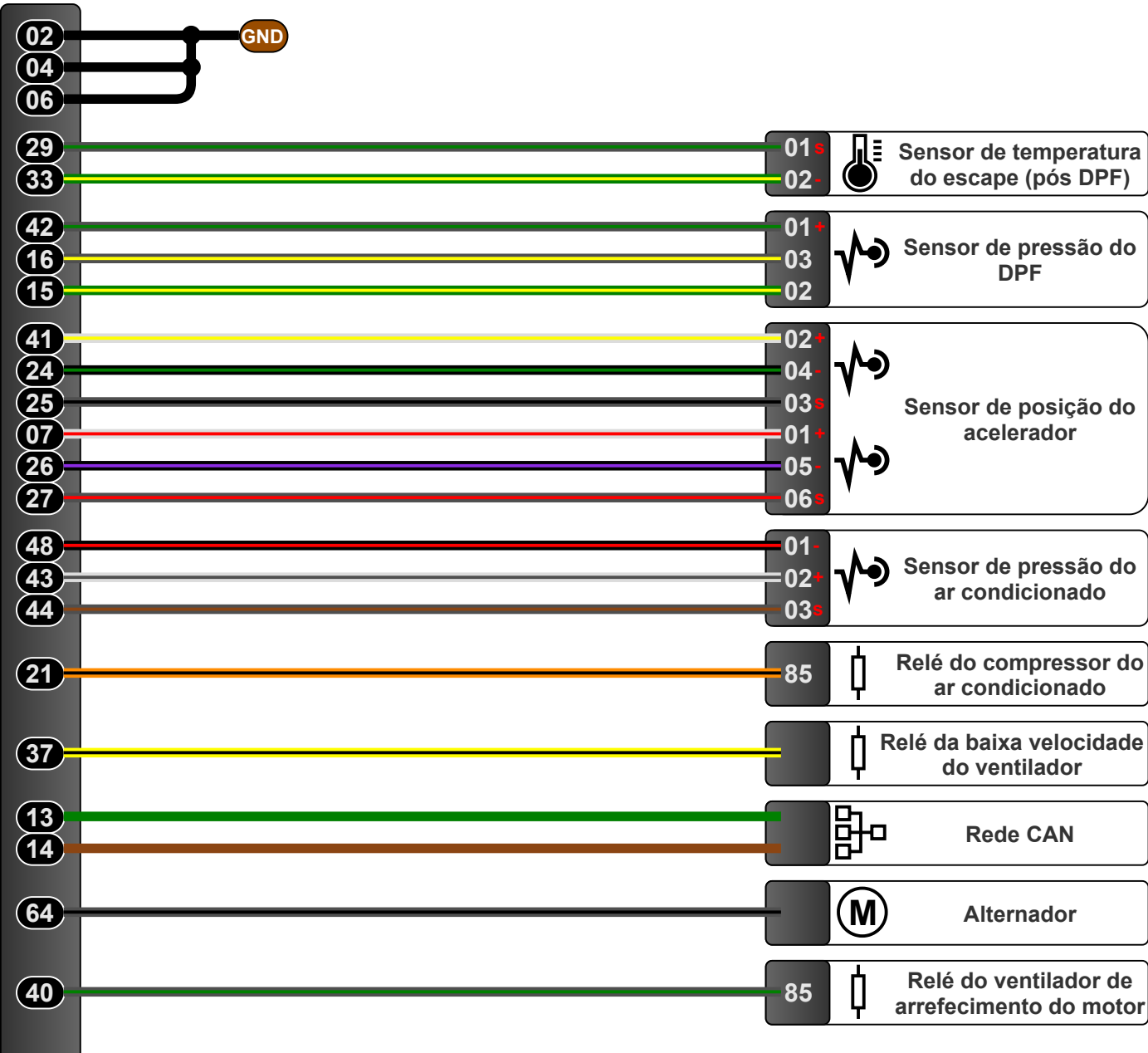
Conector A

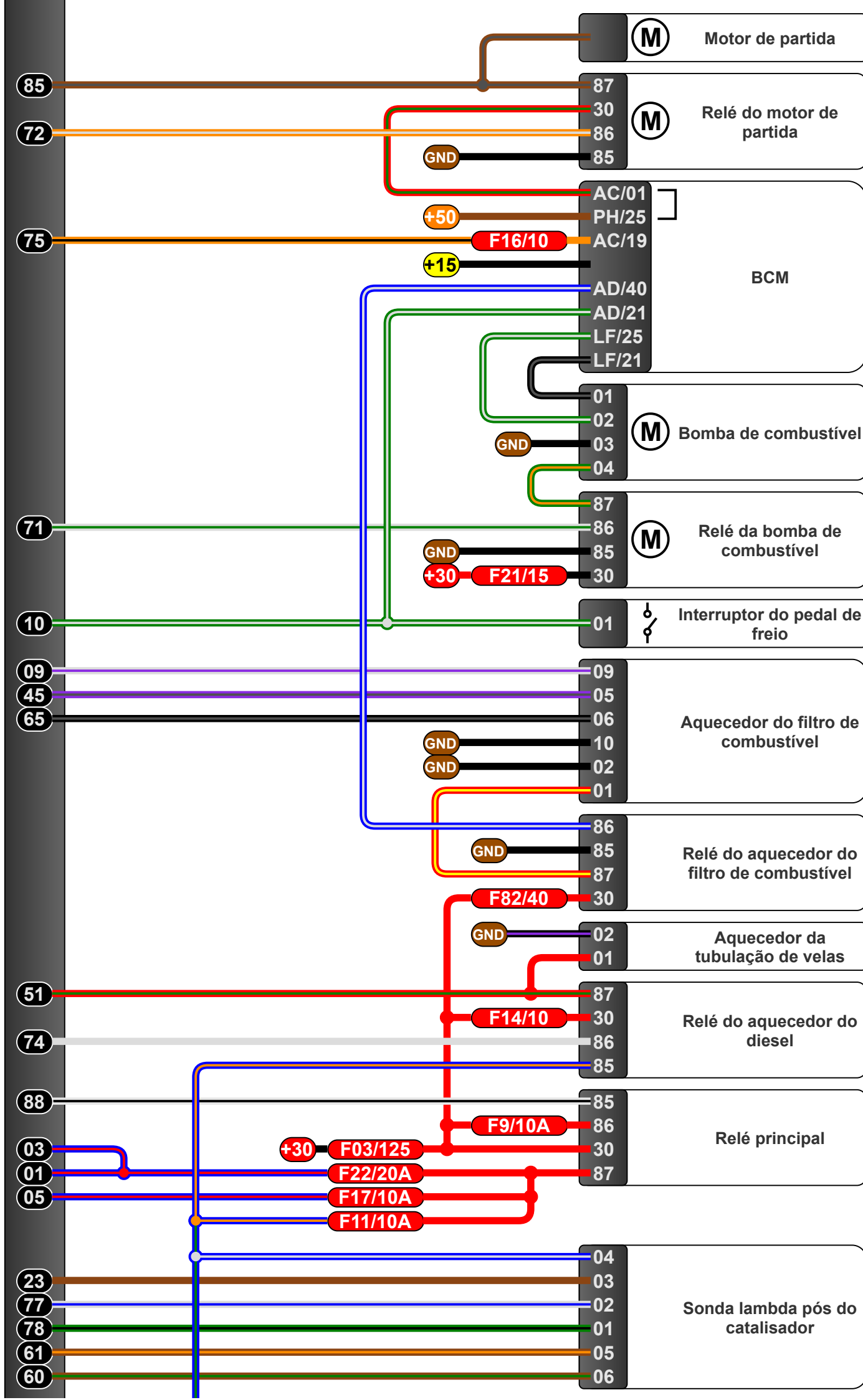
Conector B

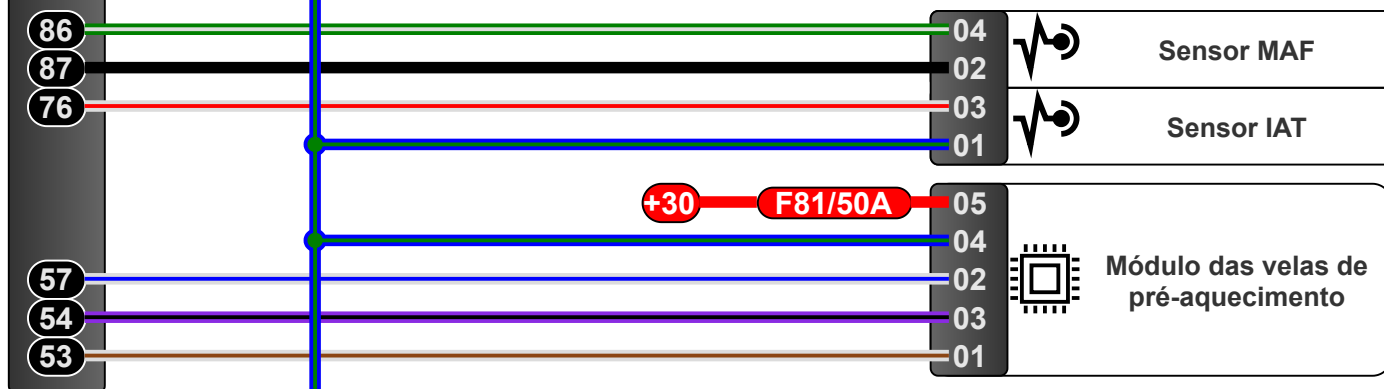


Esquema Elétrico

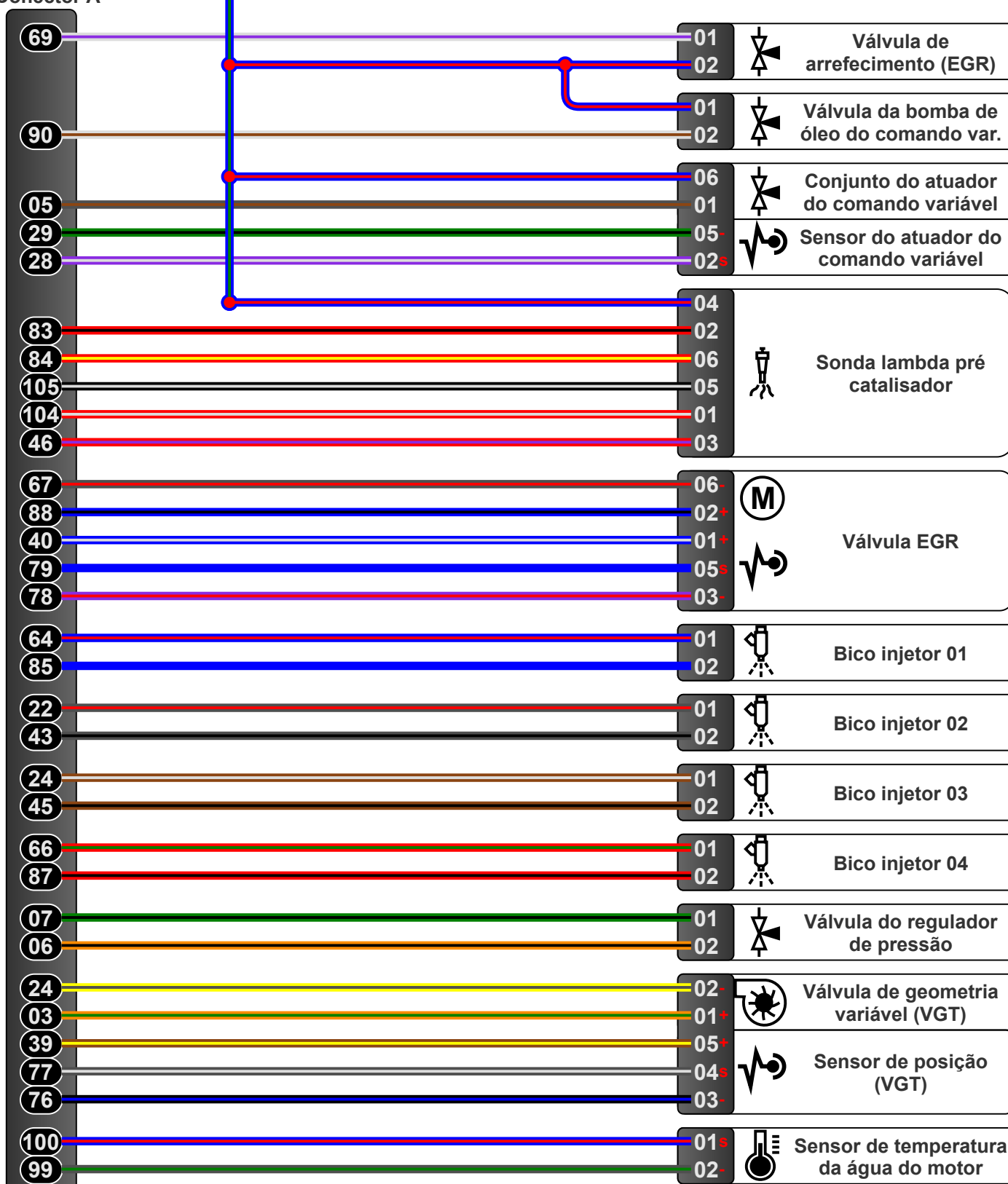
Conector B







Conector A







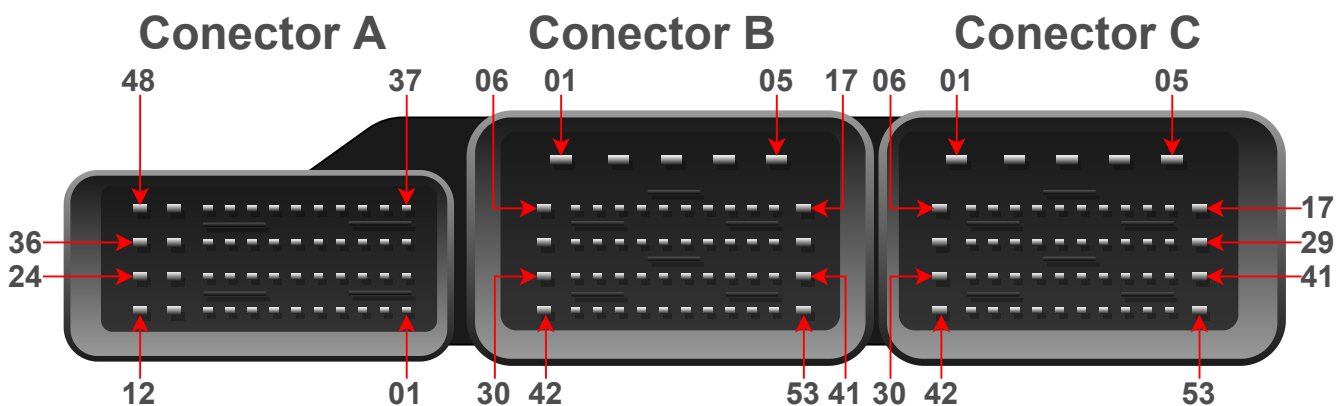
Modelos

Range Rover Evoque 2.2 SD4 (2011/2015)	70
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Modelos:

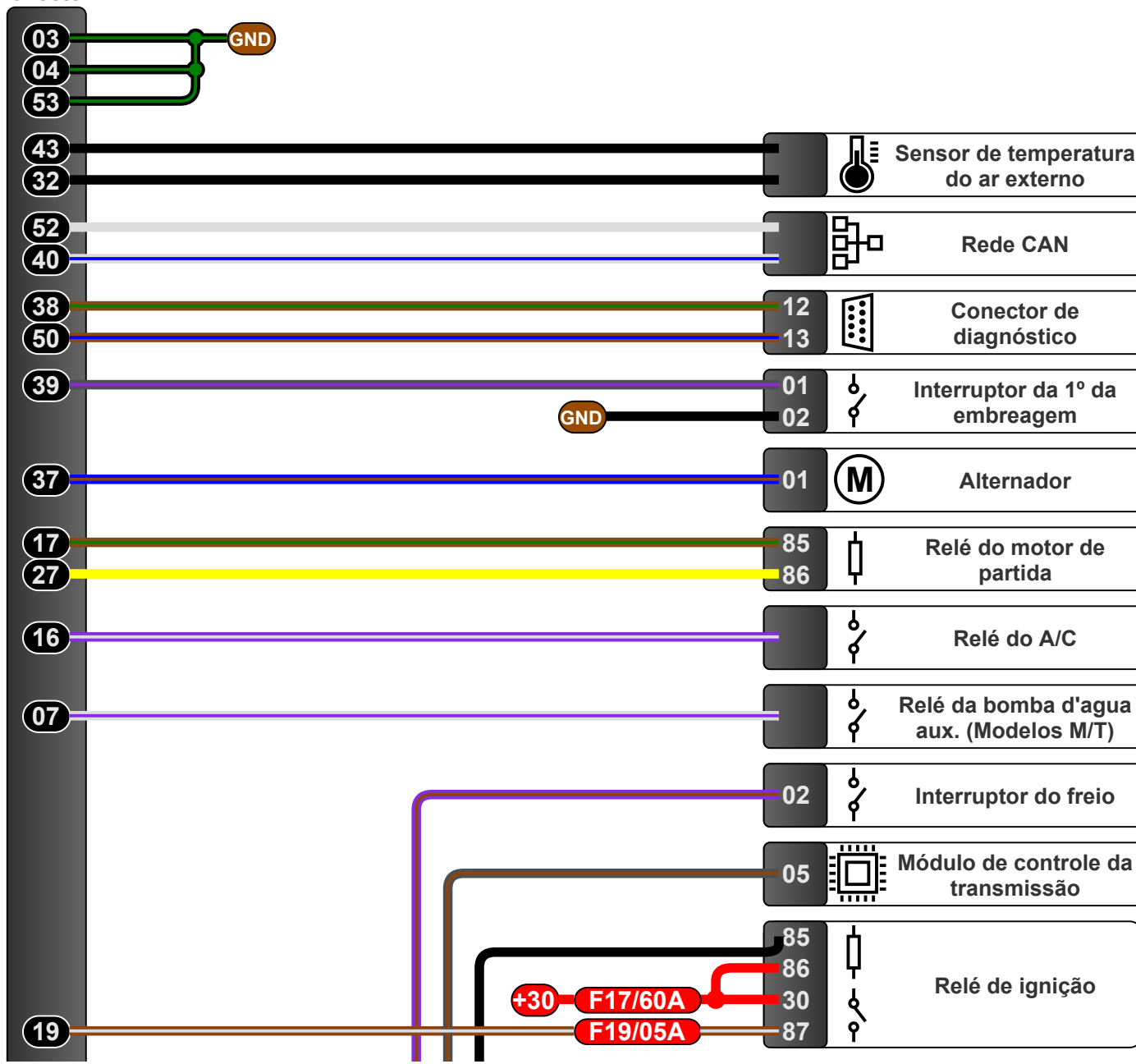
Range Rover Evoque 2.2 SD4 (2011/2015)

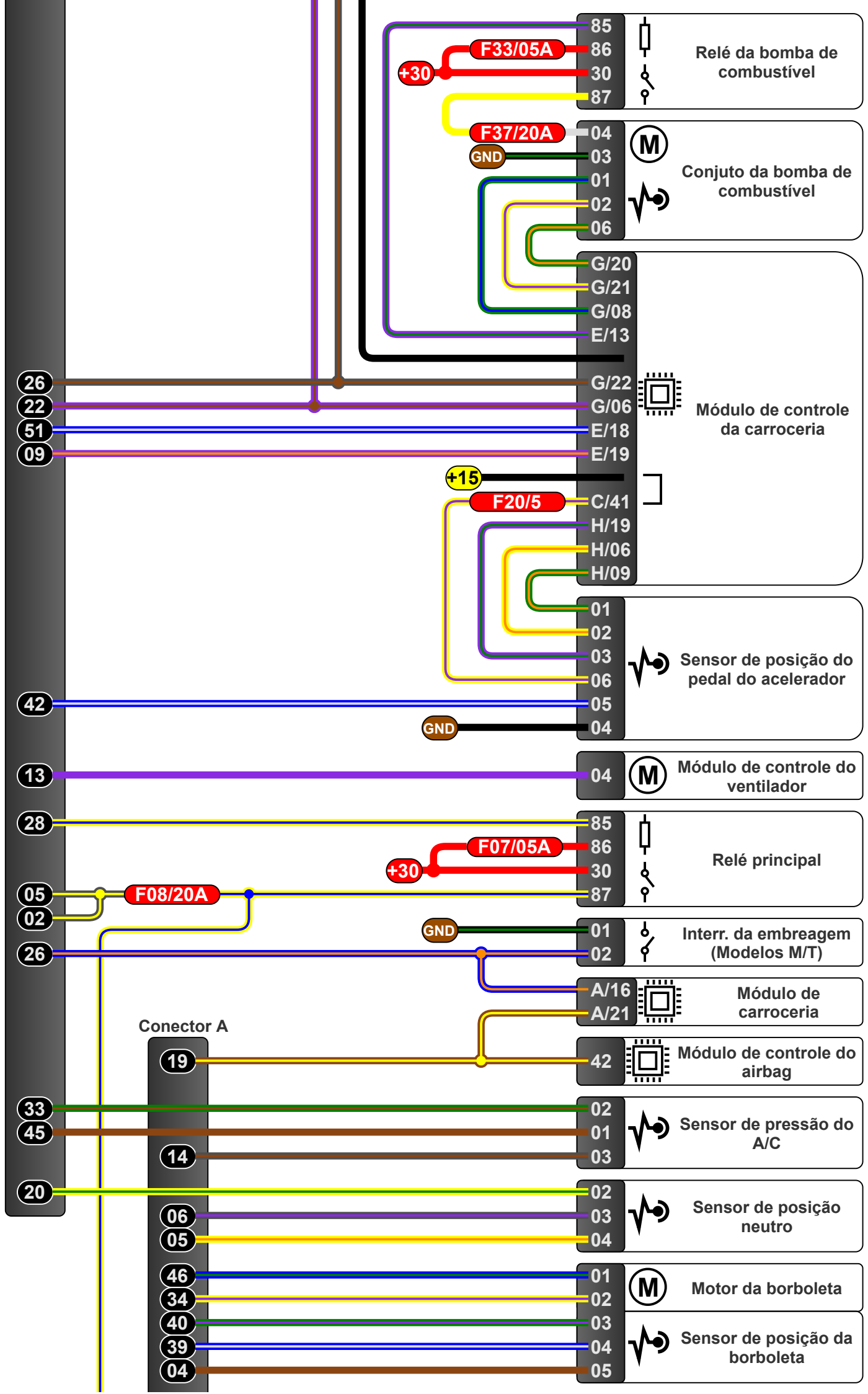
Conectores da Central



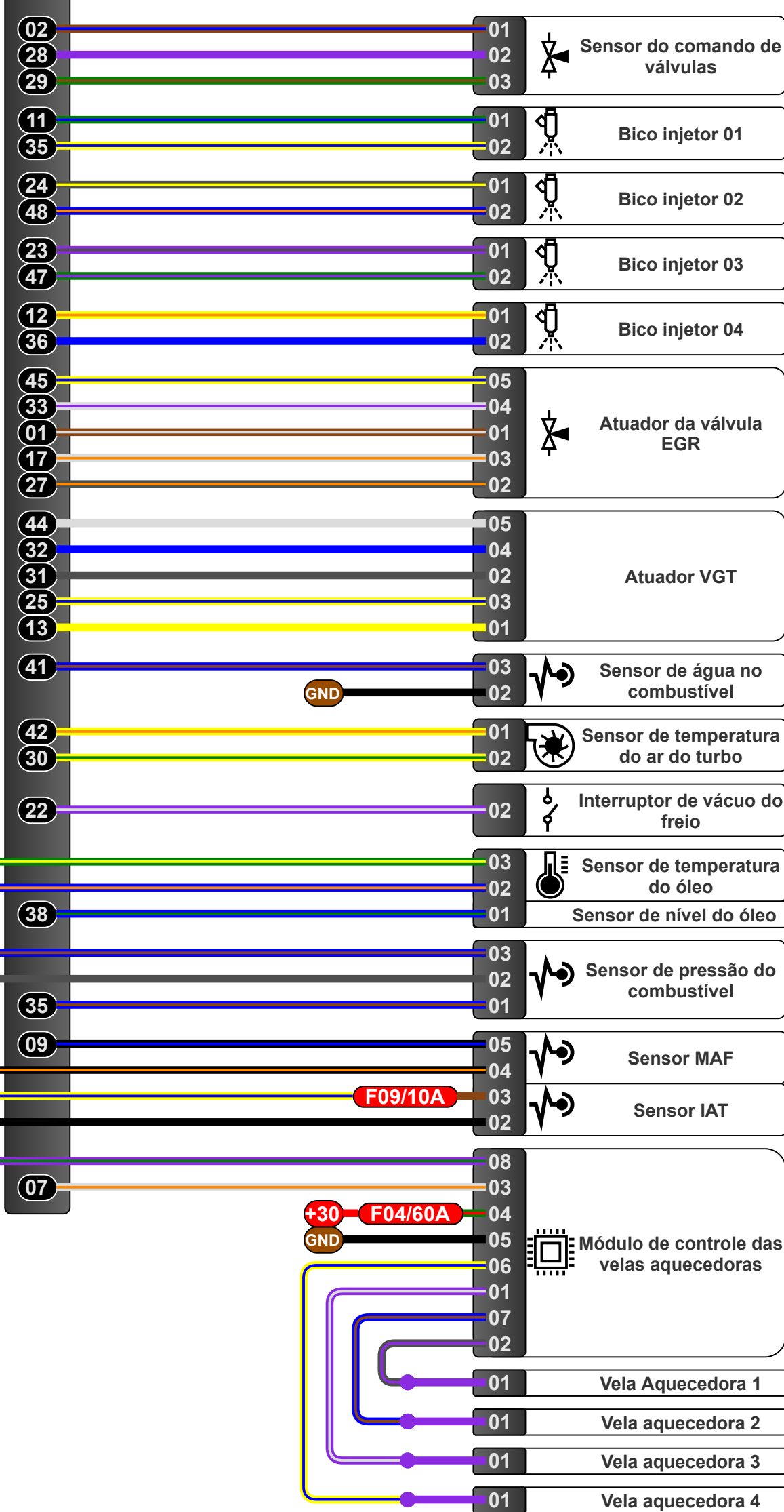
Esquema Elétrico

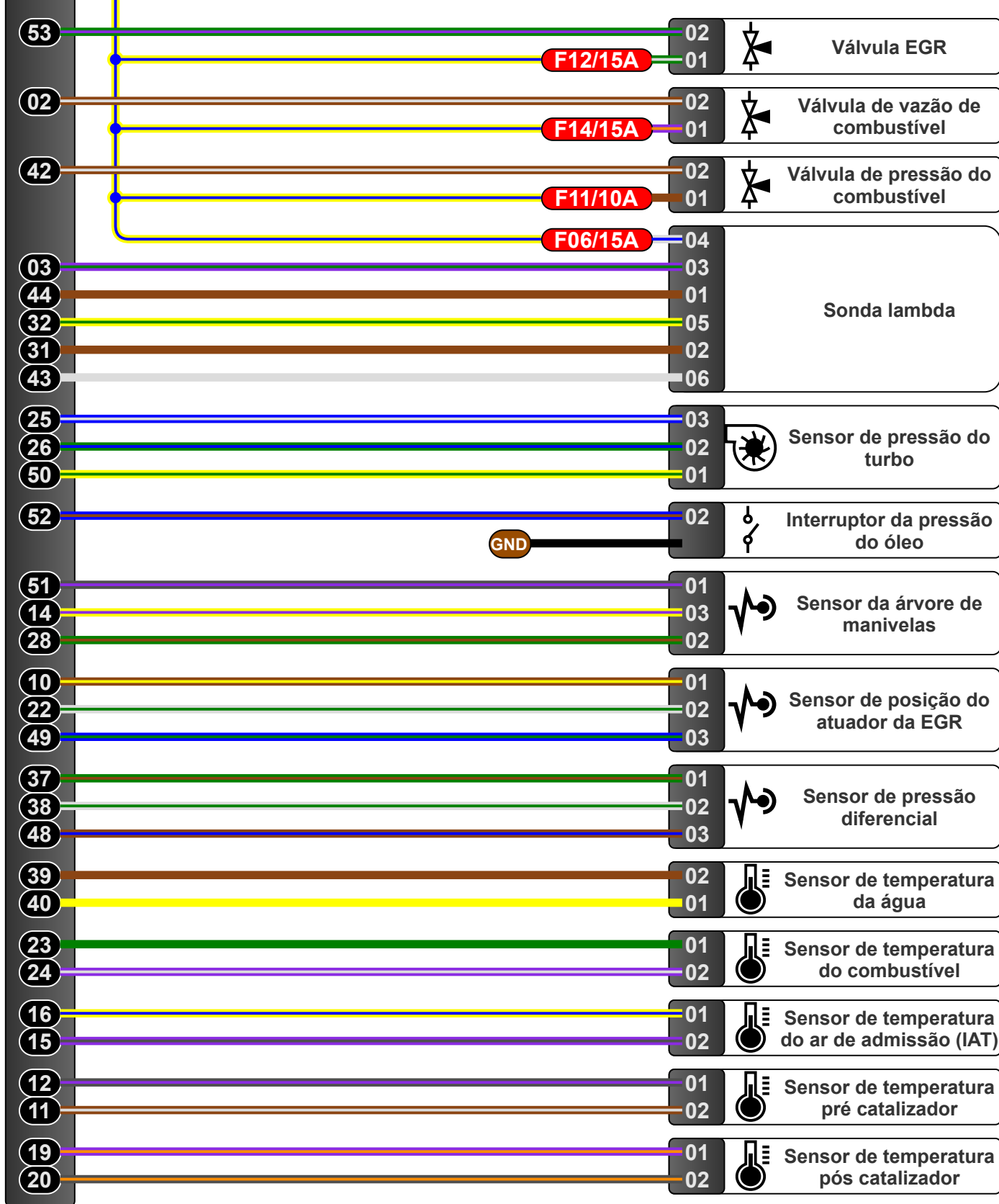
Conector C





Conector B







Marcopolo

Modelos

Agrale 8500 E-Tonic – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
Agrale 9200 E-Tonic – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
Volare W8 Eletrônica 4.8 (2005/2011) – MWM Acteon 4.12 TCE – EDC 7C.....	75
Volare W9 4.8 – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75
Volare W12 4.8 – MWM Acteon 4.12 TCE – EDC 7C (2005/2011).....	75

Modelos:

Agrale 8500 E-Tonic (2005/2011) - MWM Acteon 4.12 TCE - EDC 7C

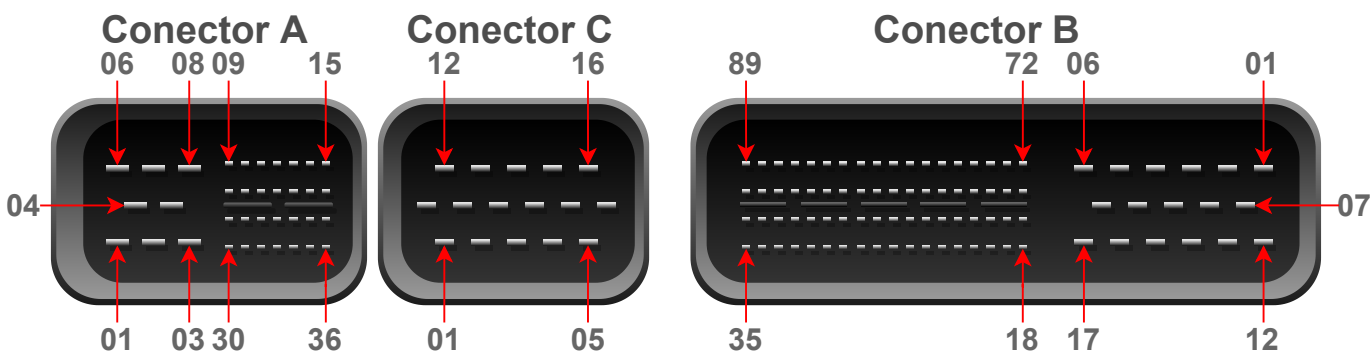
Agrale 9200 E-Tonic (2005/2011) - MWM Acteon 4.12 TCE - EDC 7C

Volare W8 Eletrônica 4.8 (2005/2011) - MWM Acteon 4.12 TCE - EDC 7C

Volare W9 4.8 (2006/2011) - MWM Acteon 4.12 TCE - EDC 7C

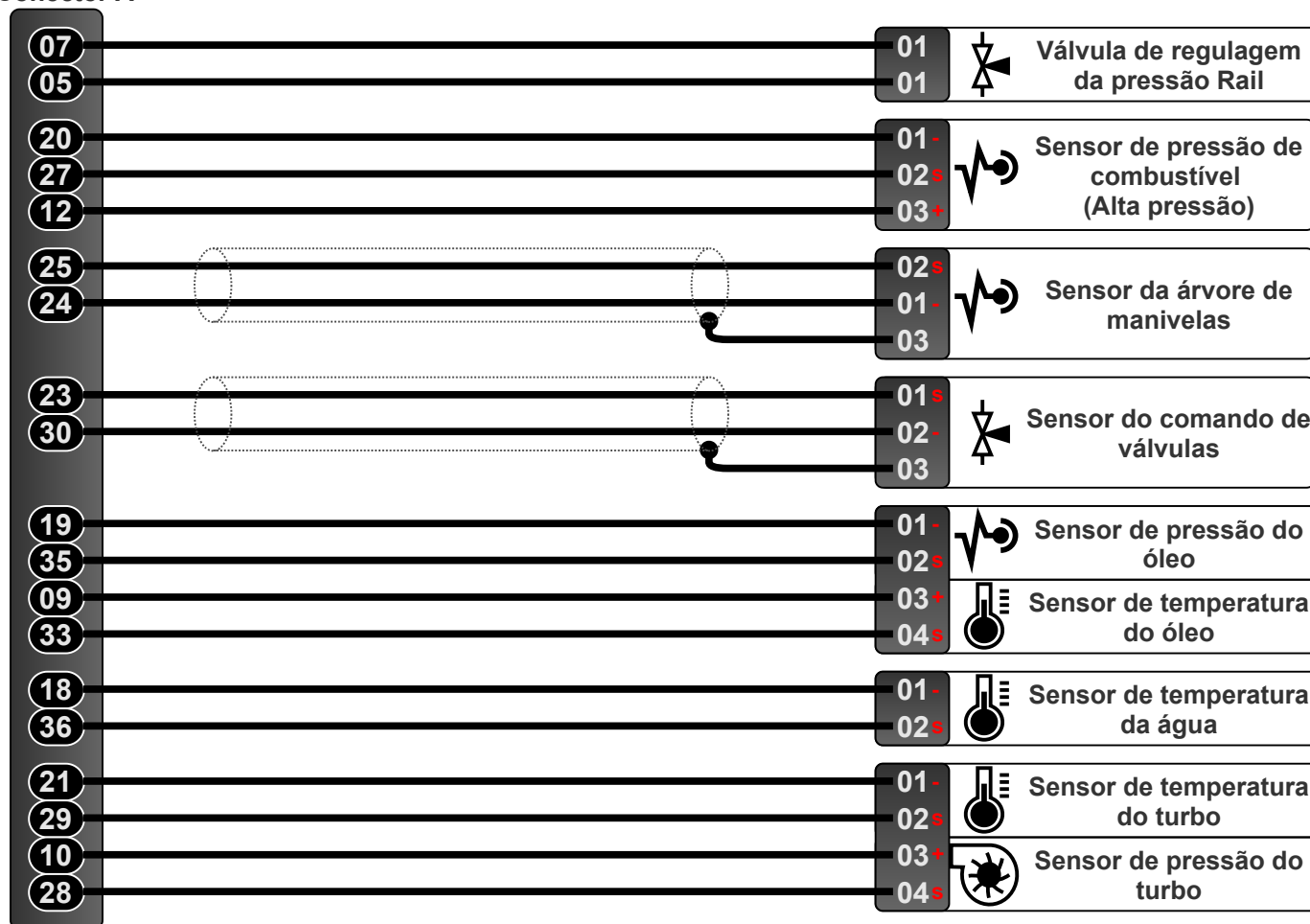
Volare W12 4.8 (2006/2011) - MWM Acteon 4.12 TCE - EDC 7C

Conectores da Central

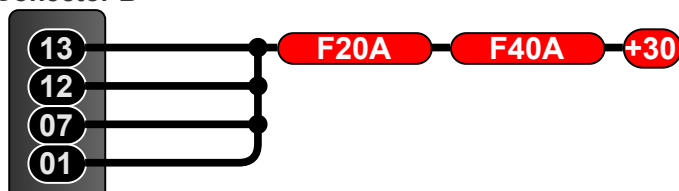


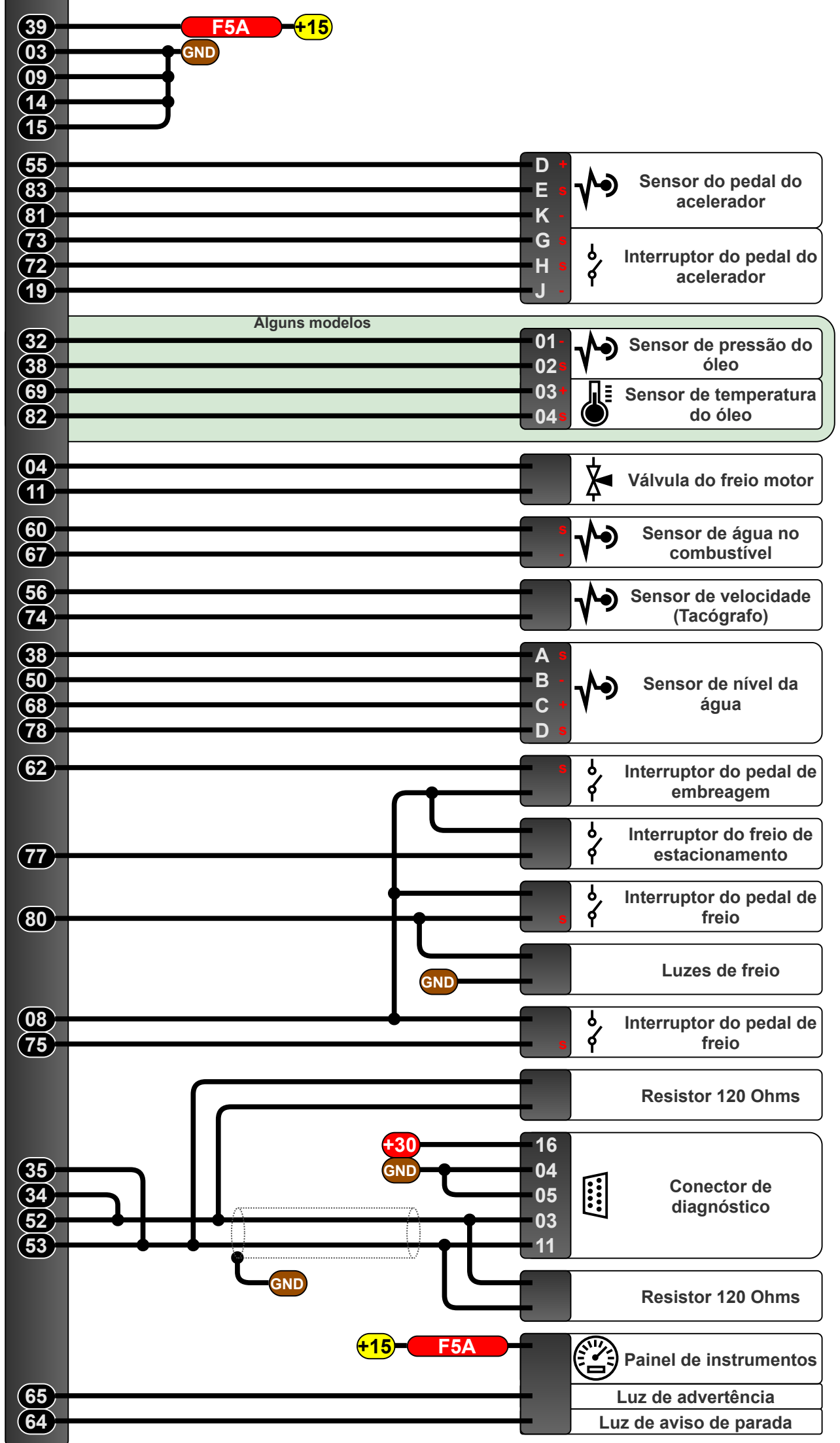
Esquema Elétrico

Conector A

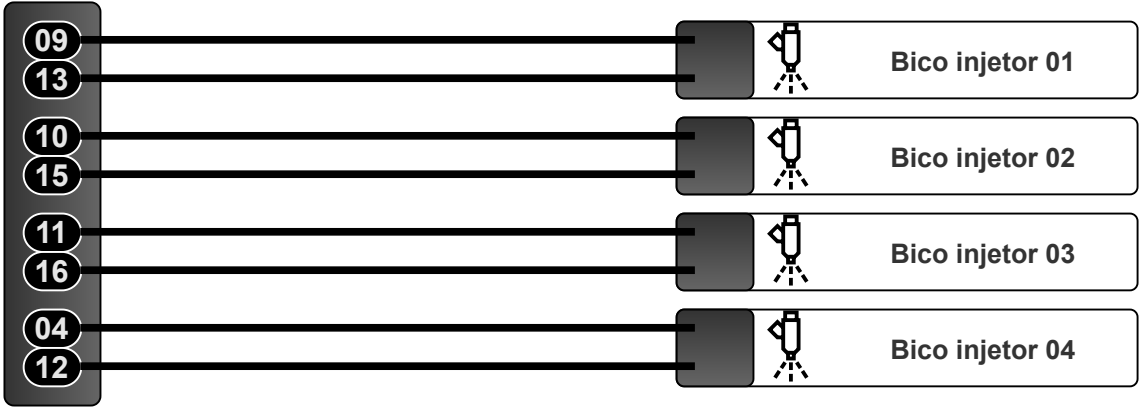


Conector B





Conector C





Modelos

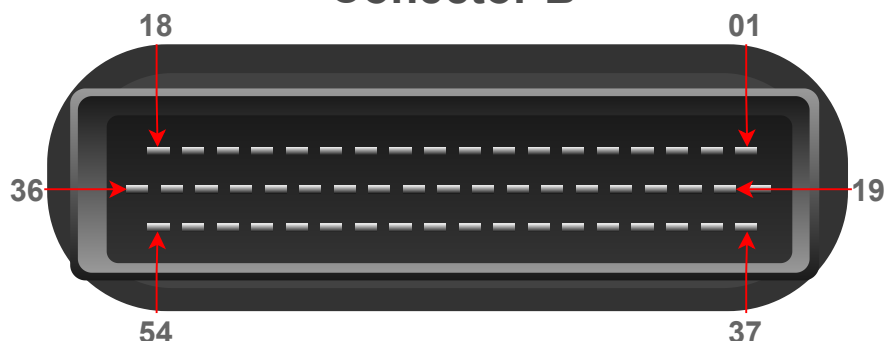
Actros 2546 12.0 (2012/2015)	79
Actros 2546 LS 12.0 (2012/2015)	79
Actros 4844 K 12.0 (2012/2015)	79
Modulo de Carroceria – Central FR	82
Sistema de Redução Catalítica Seletiva (SCR) – Bluetec 5 F1	84
Sprinter 311 Street(906)2.2 16V Biturbo 114cv (2012/...) – DELPHI CDID 2	85
Sprinter 415(906)2.2 16V Biturbo 146cv (2012/...) – DELPHI CDID 2	85
Sprinter 515(906)2.2 16V Biturbo 146cv (2012/...) – DELPHI CDID 2	85

Modelos:

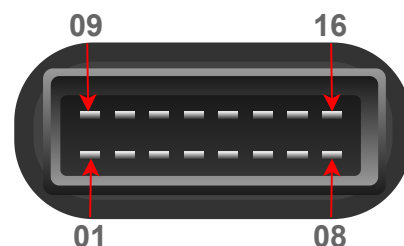
Actros 2546 12.0 (2012/2015)
Actros 2546 LS 12.0 (2012/2015)
Actros 4844 K 12.0 (2012/2015)

Conectores da Central

Conector B



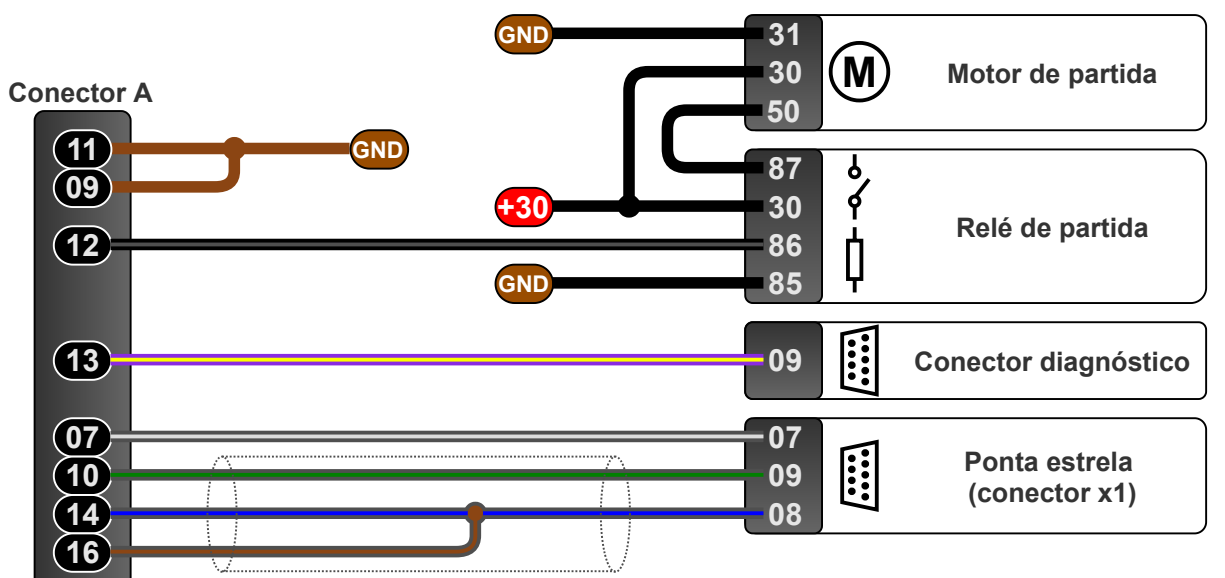
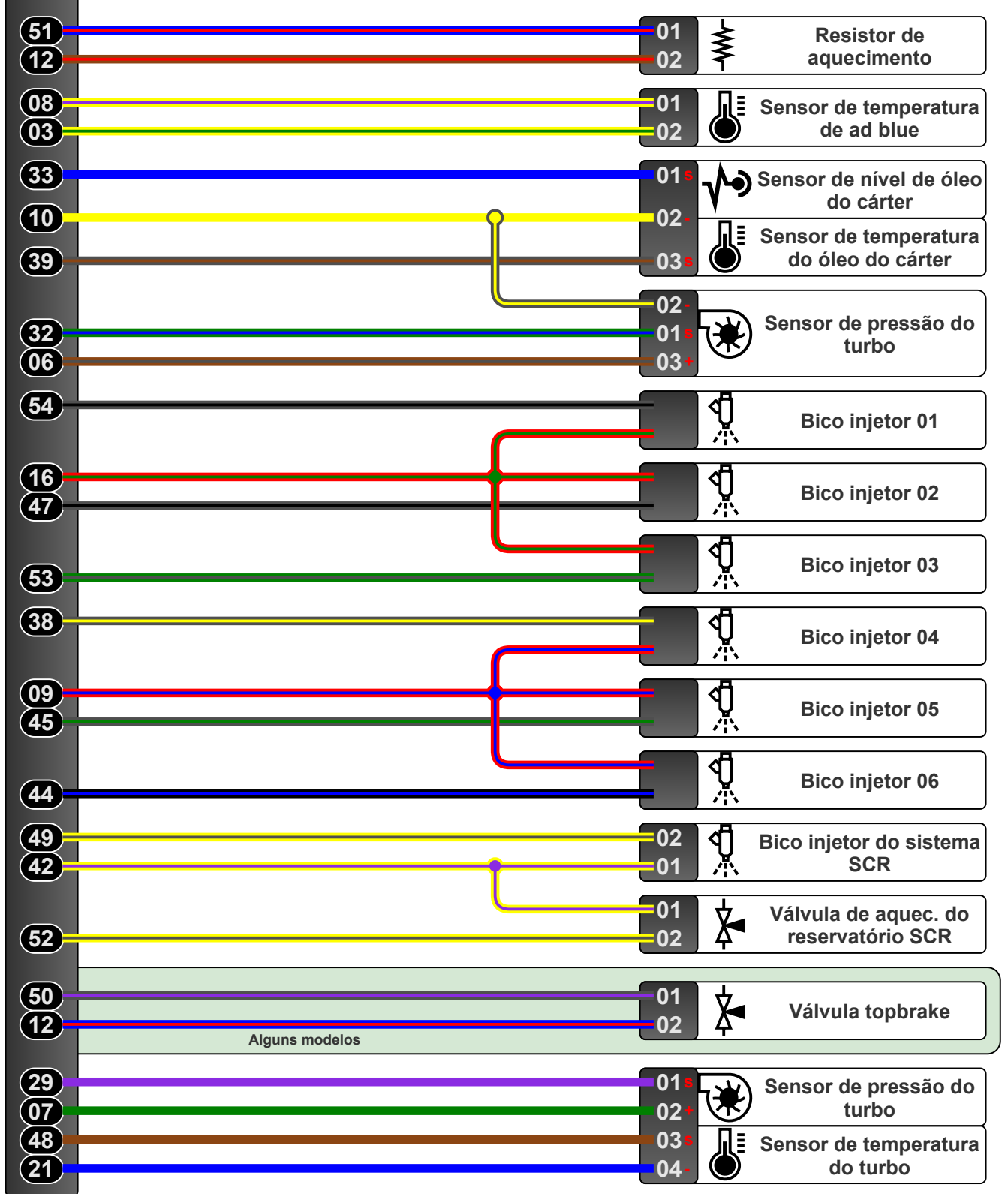
Conector A

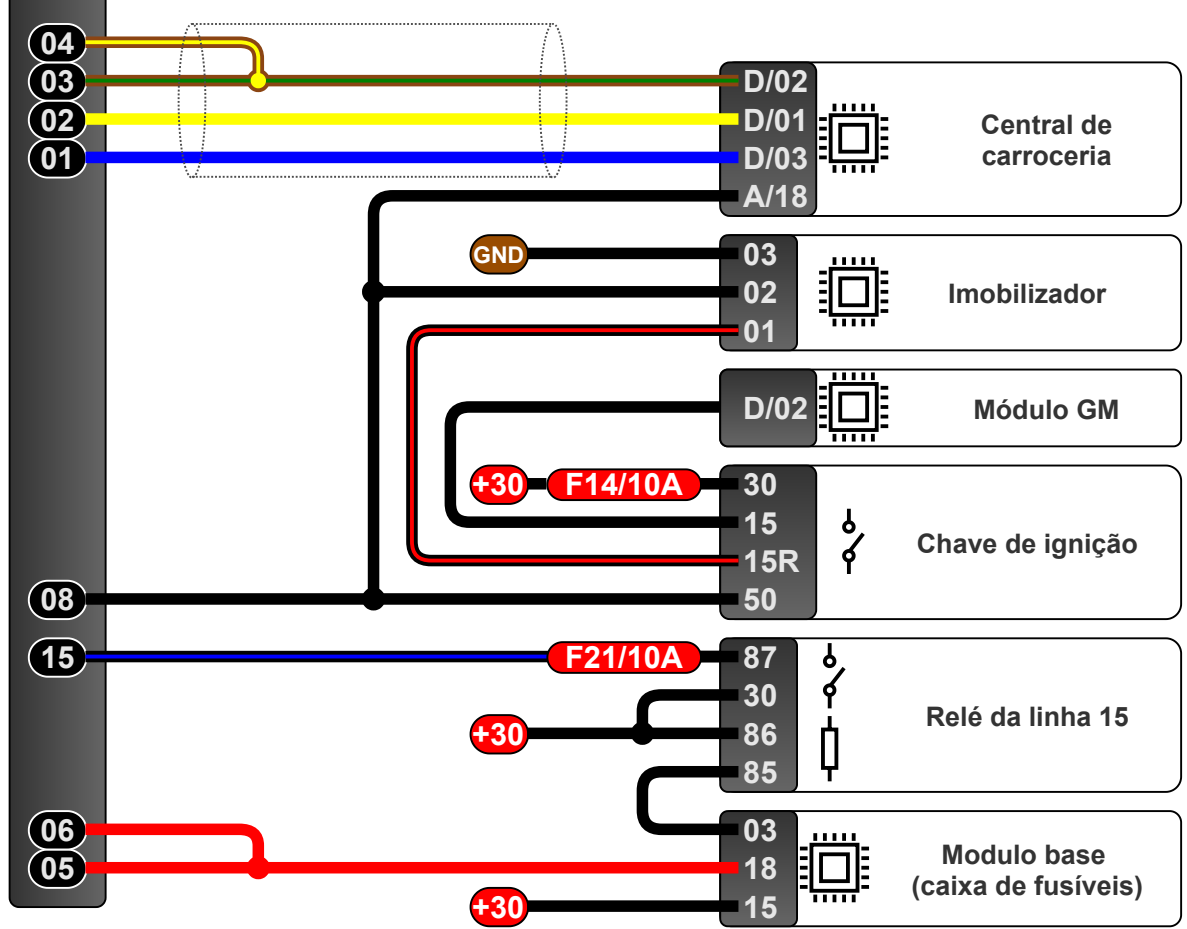


Esquema Elétrico

Conector B

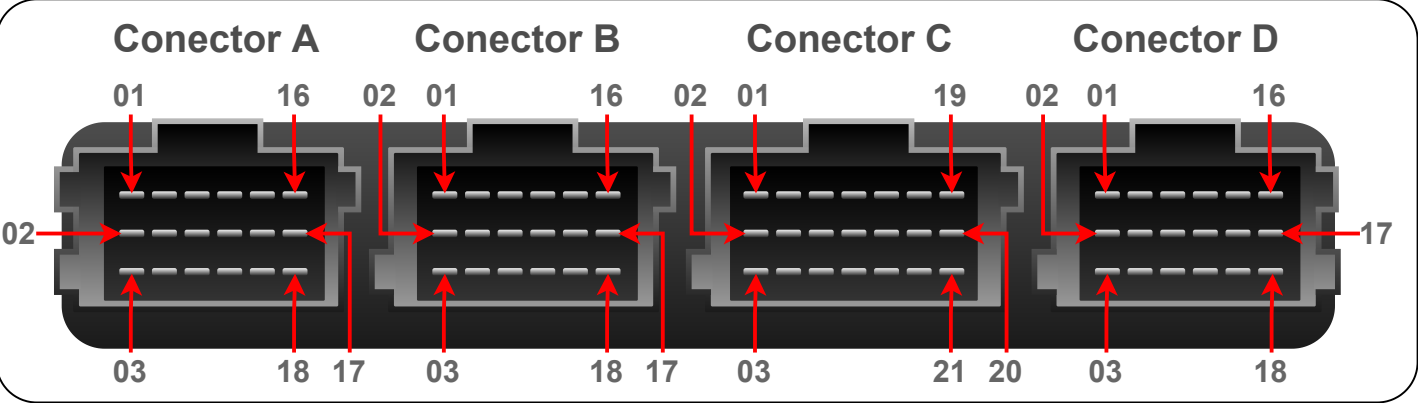




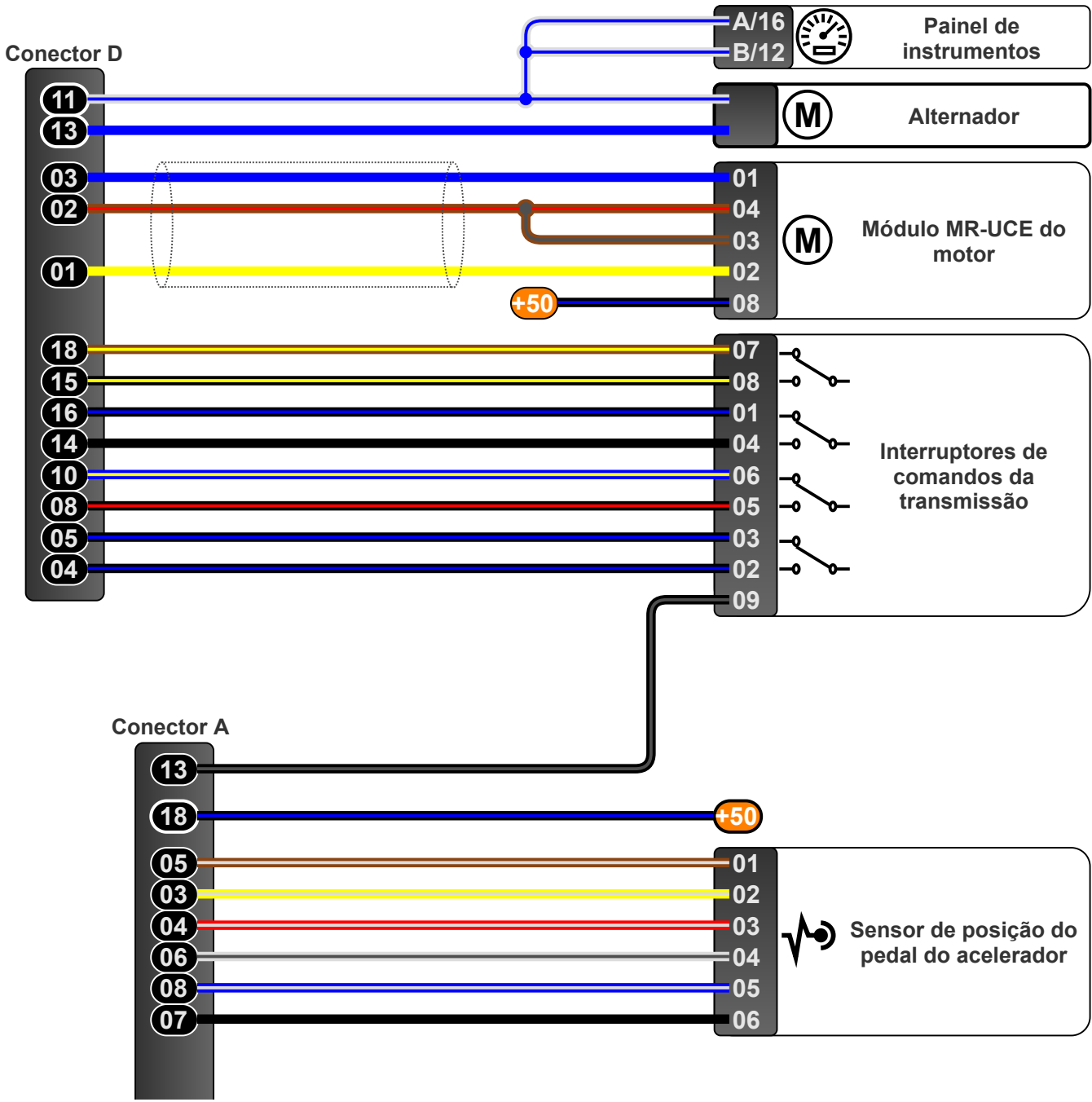


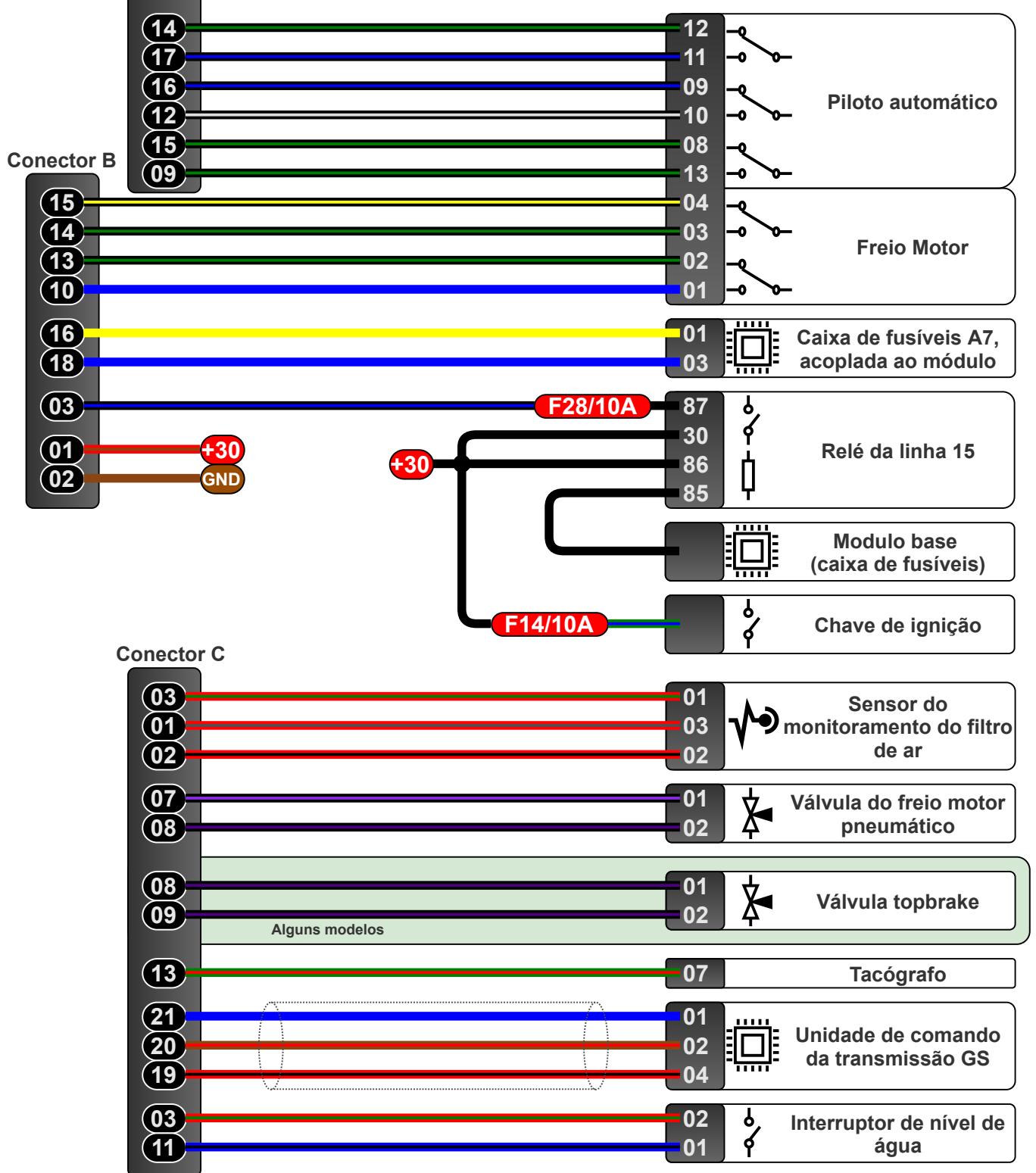
Modulo FR (Central de Carroceria)

Conectores da Central



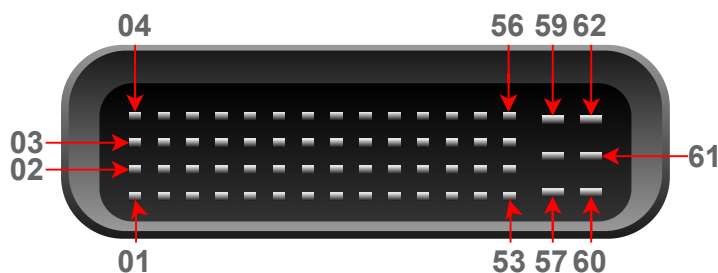
Esquema Elétrico



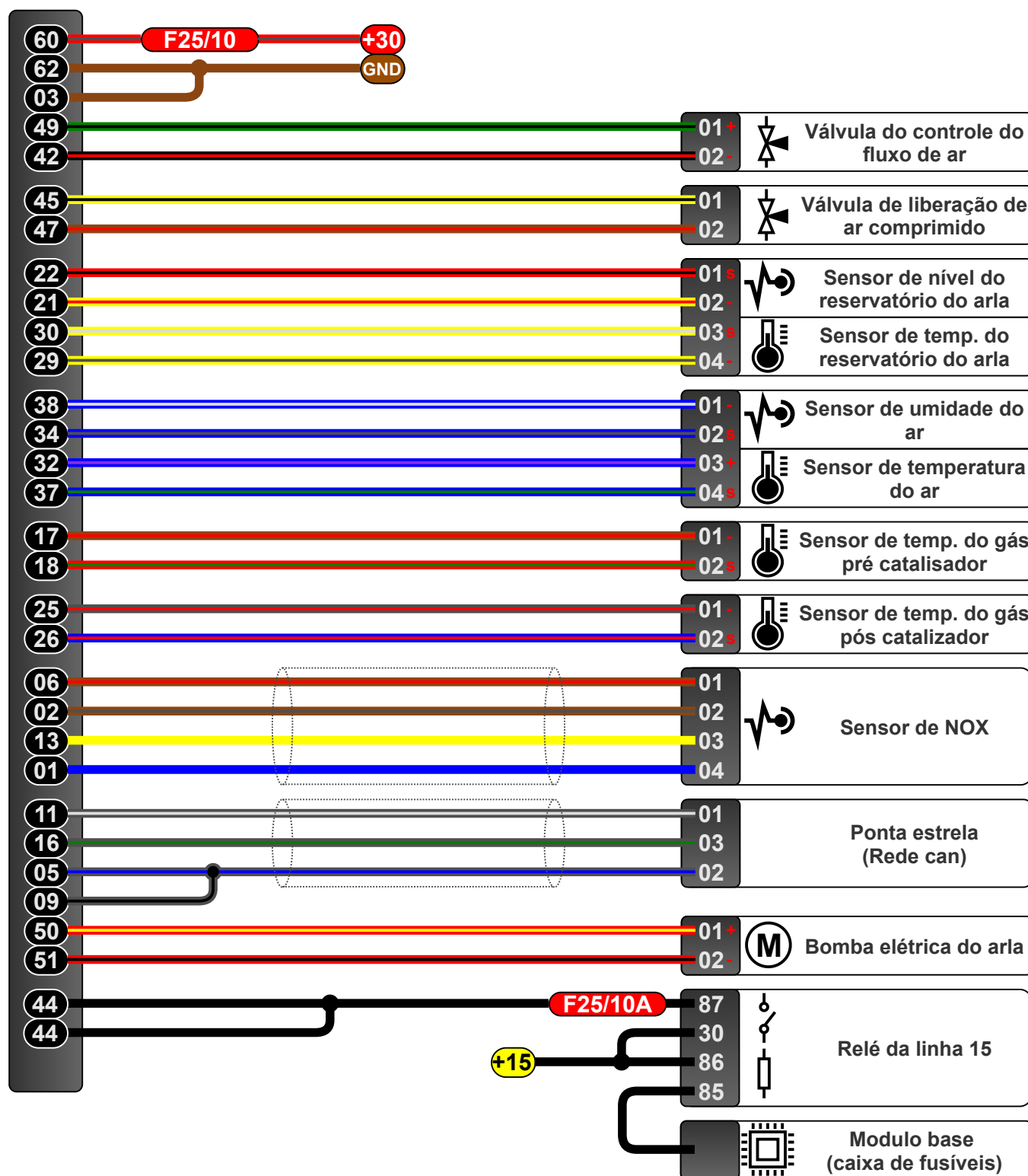


Modulo do Sistema de Redução Catalítica (SCR)

Conector da Central



Esquema Elétrico

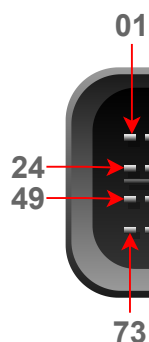


Modelos:

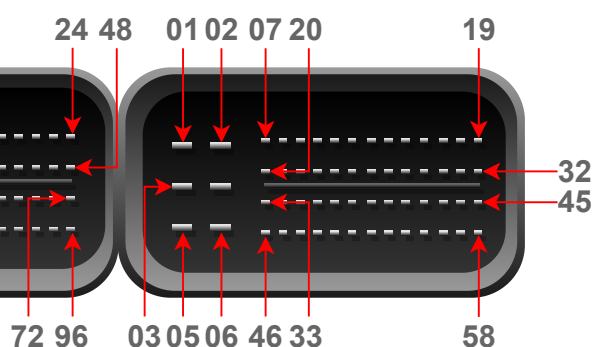
Sprinter 311 Street(906)2.2 16V Biturbo 114cv (2012/...) - DELPHI CDID 2
 Sprinter 415(906)2.2 16V Biturbo 146cv (2012/...) - DELPHI CDID 2
 Sprinter 515(906)2.2 16V Biturbo 146cv (2012/...) - DELPHI CDID 2

Conectores da Central

Conector B



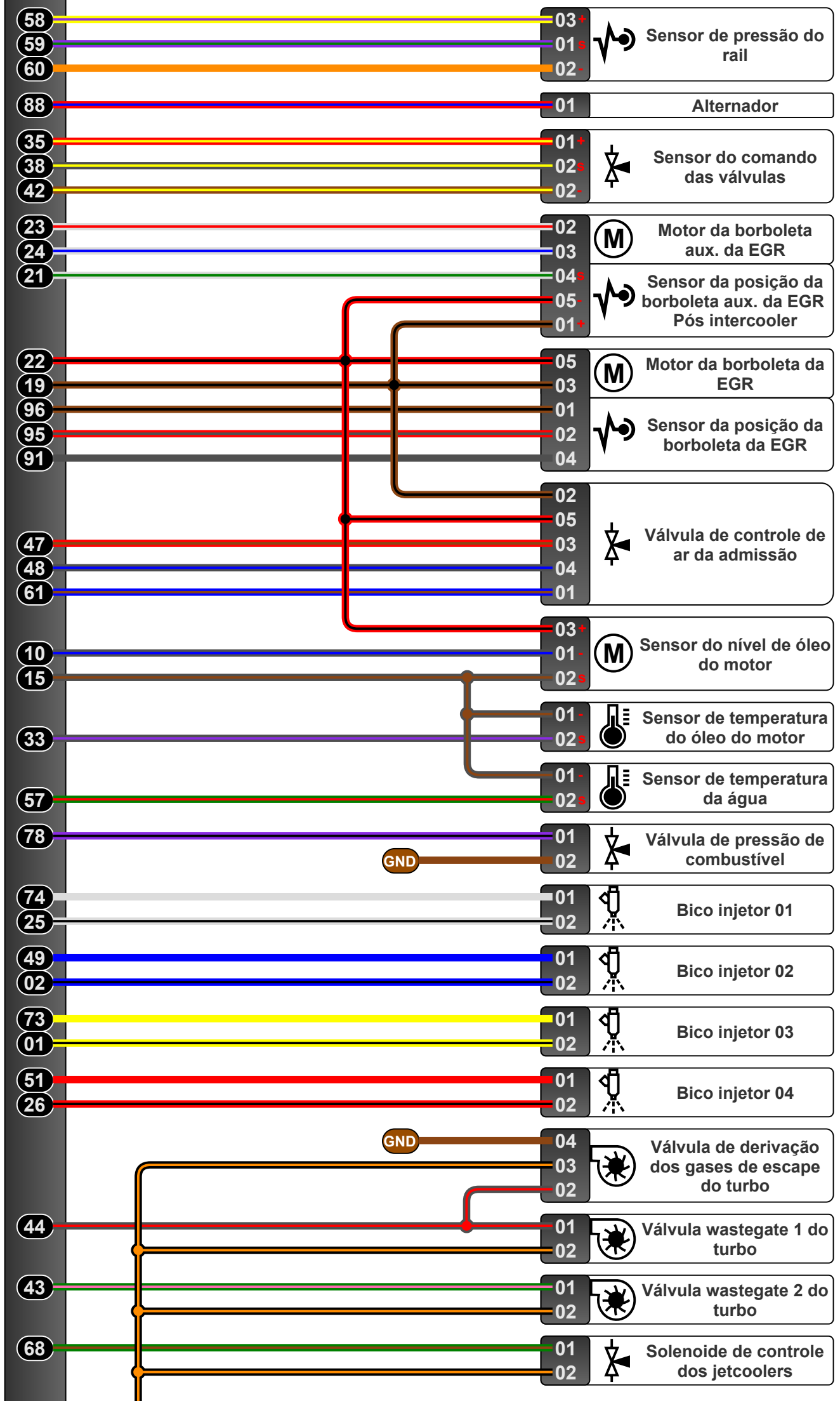
Conector A

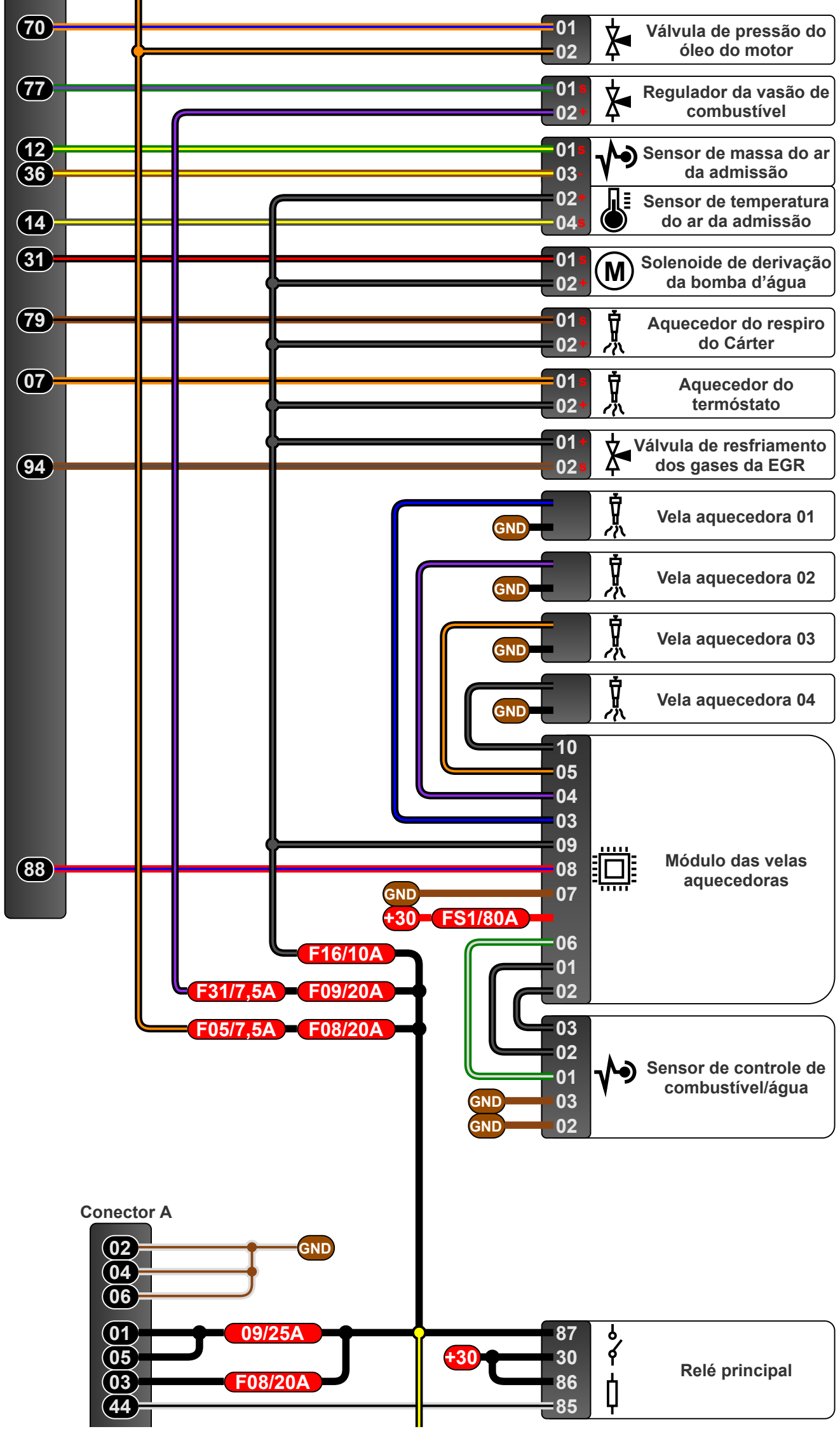


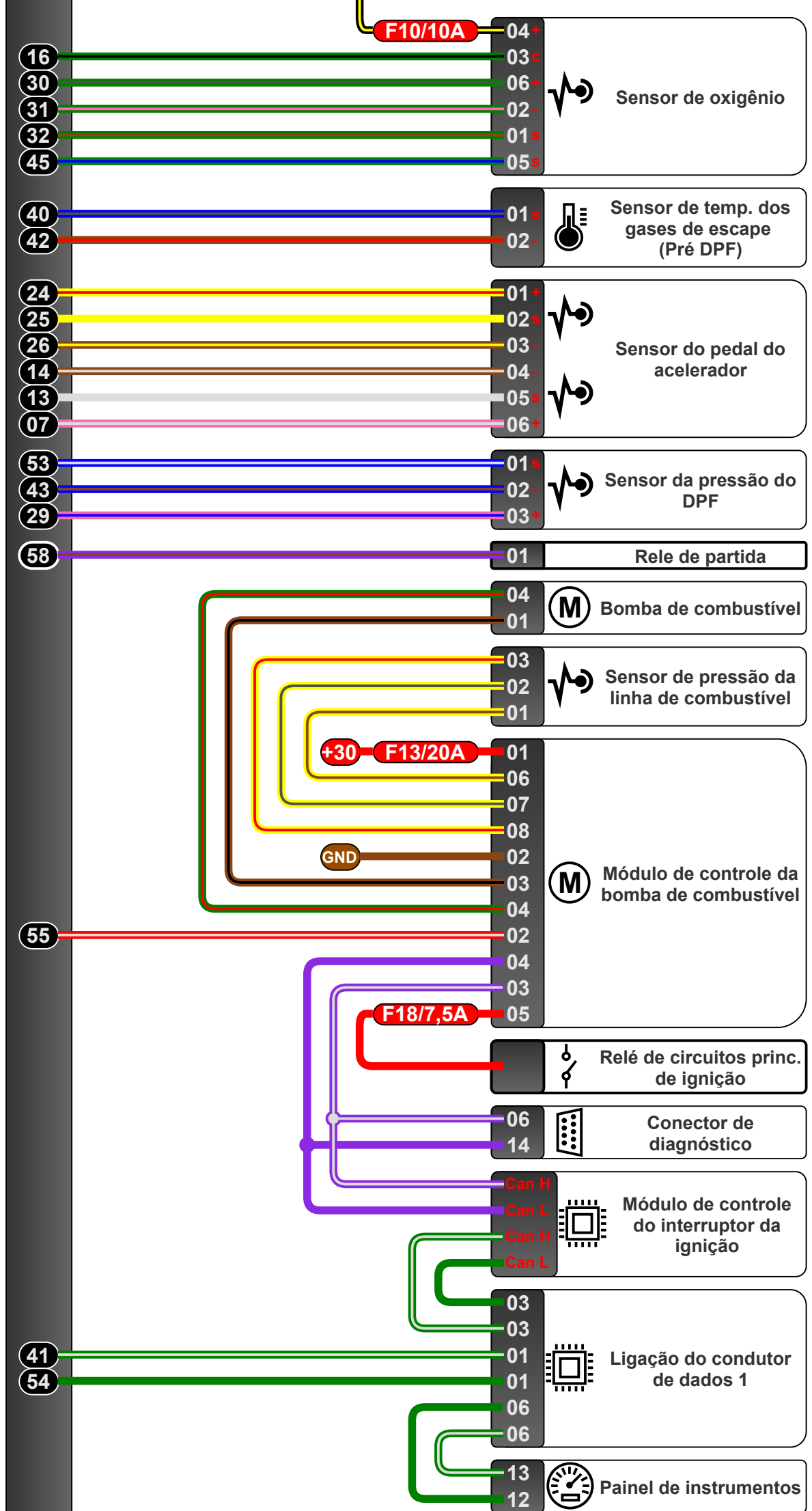
Esquema Elétrico

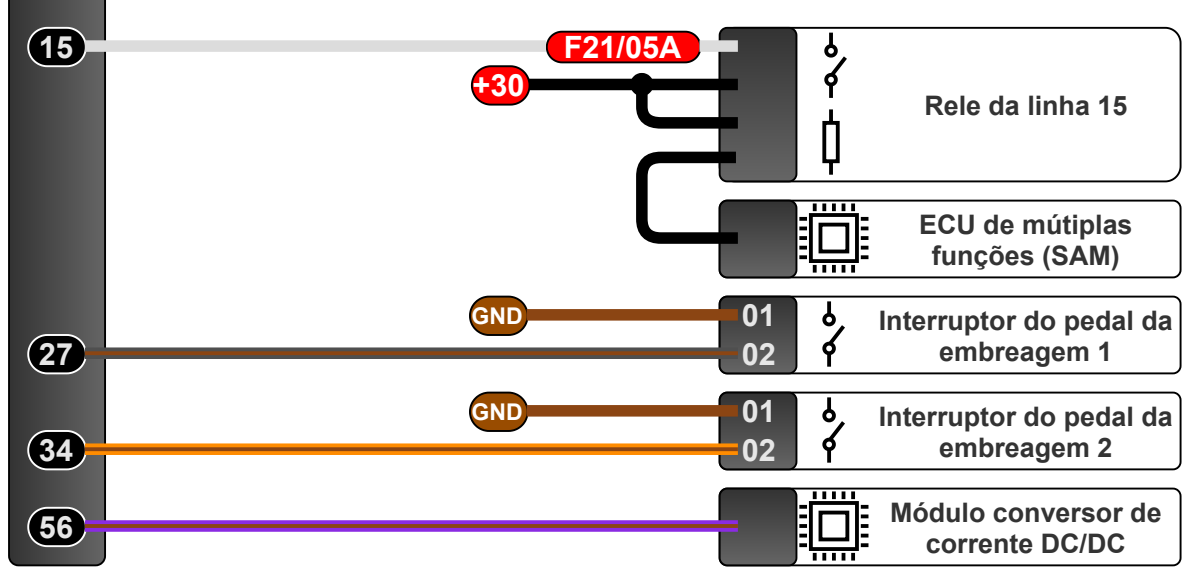
Conector B

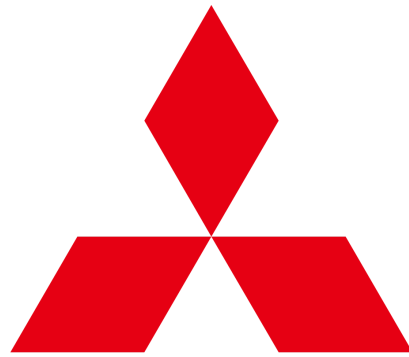












**MITSUBISHI
MOTORS**

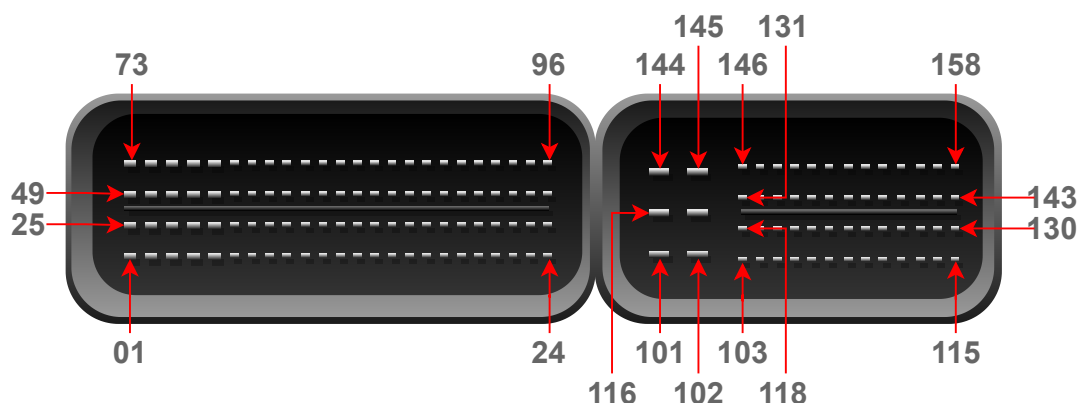
Modelos

L200 Triton 3.2 (2012/...)	91
Pajero Sport 2.5 TD - EDC vrz 1.0 (2001/2009)	94

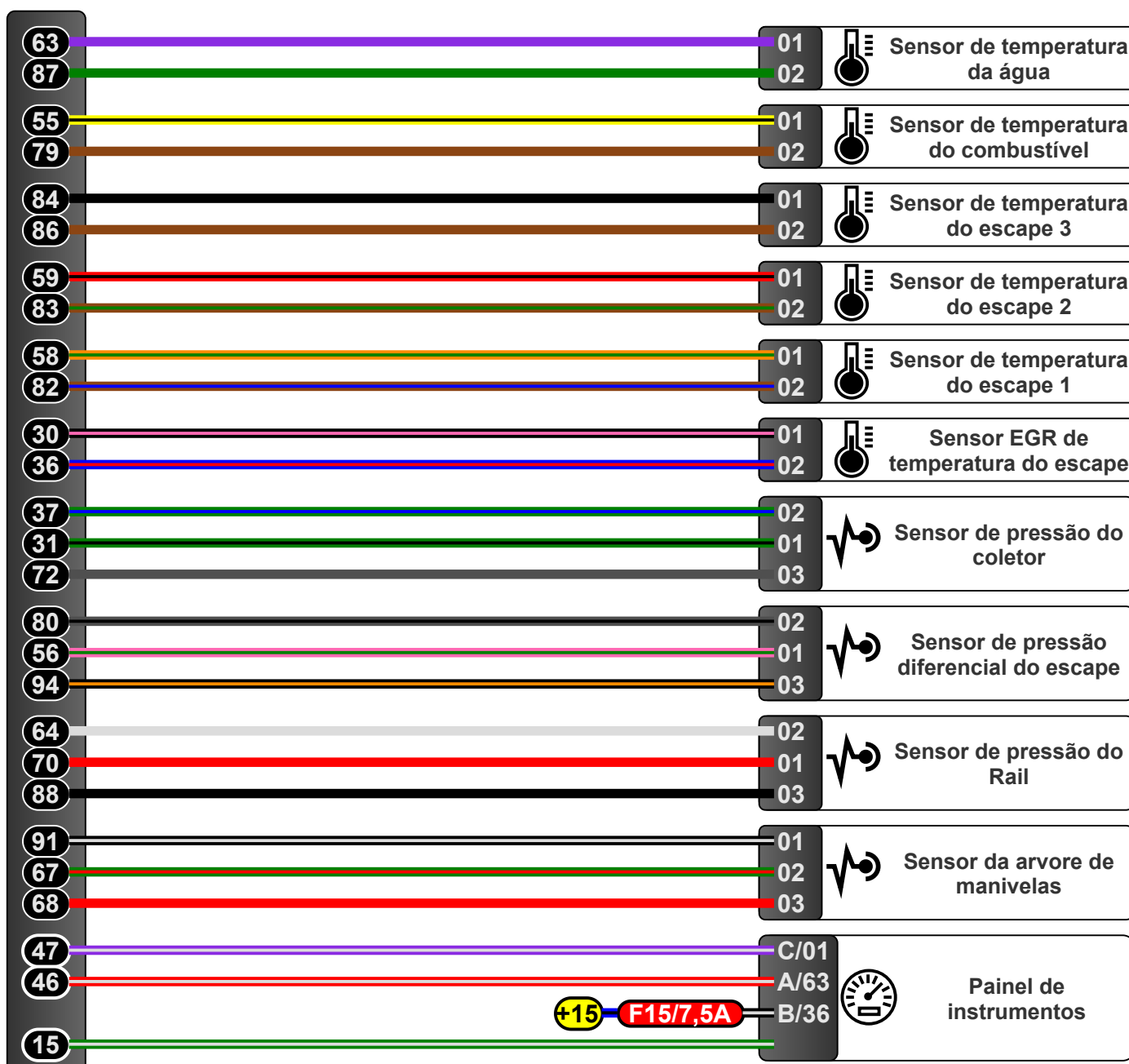
Modelos:

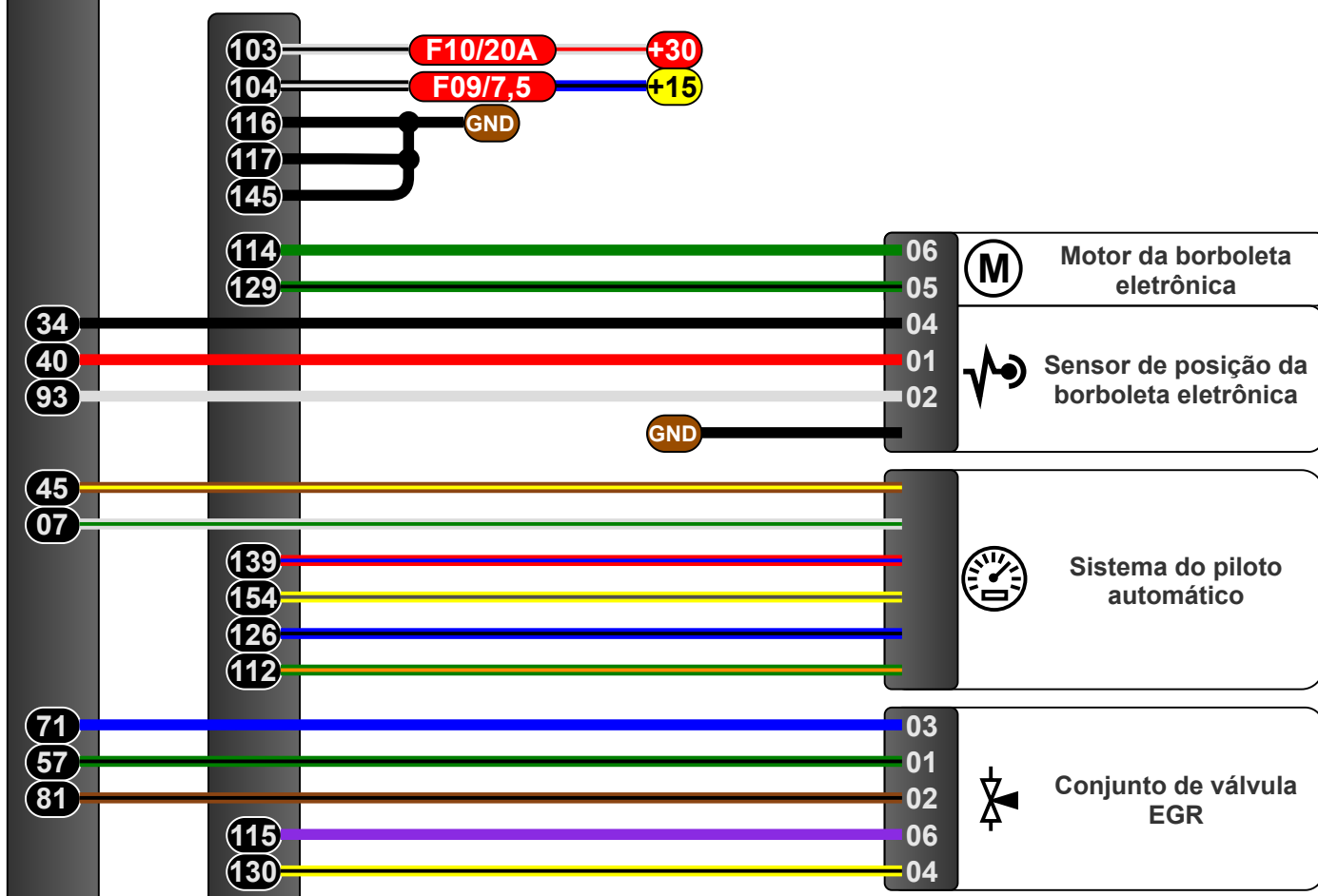
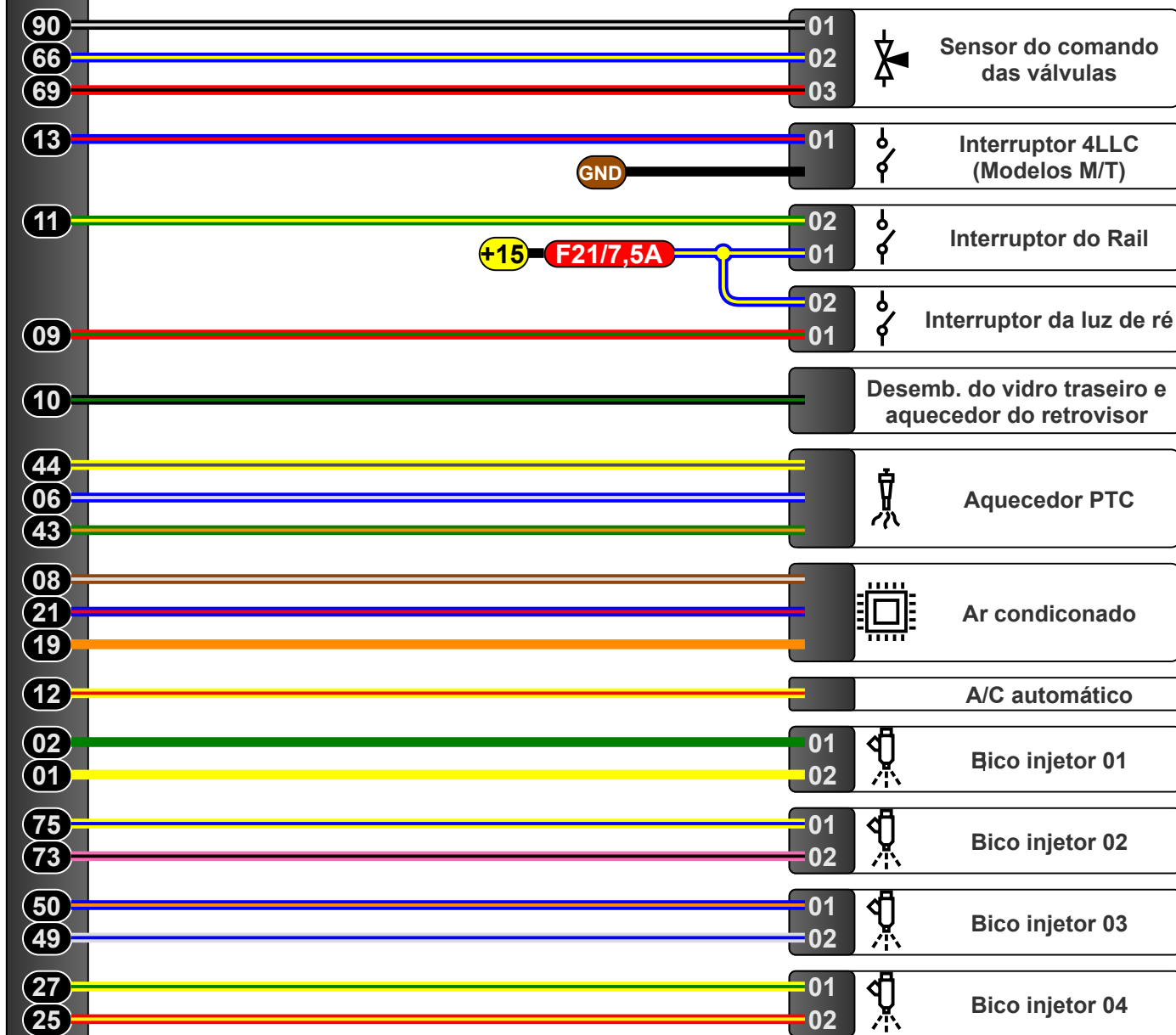
L200 Triton 3.2 (2012/...)

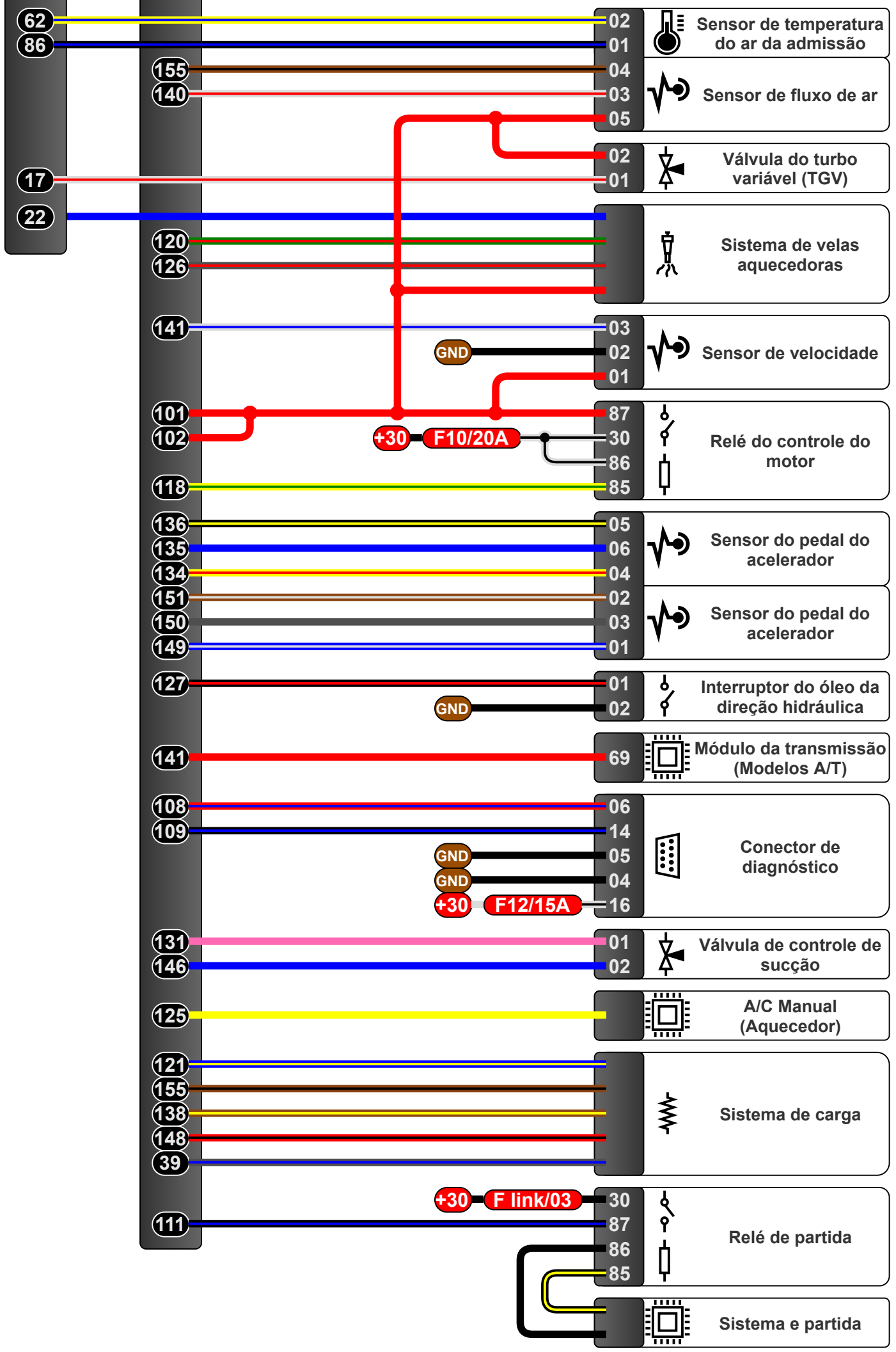
Conectores da Central



Esquema Elétrico



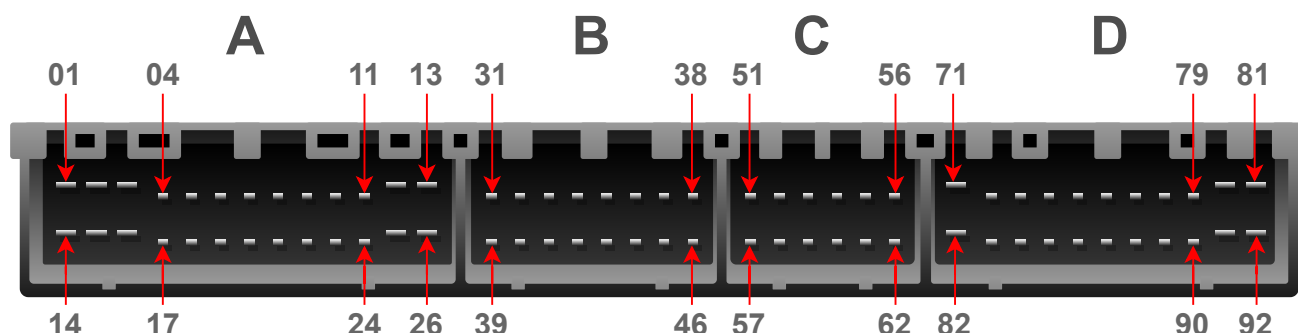




Modelos:

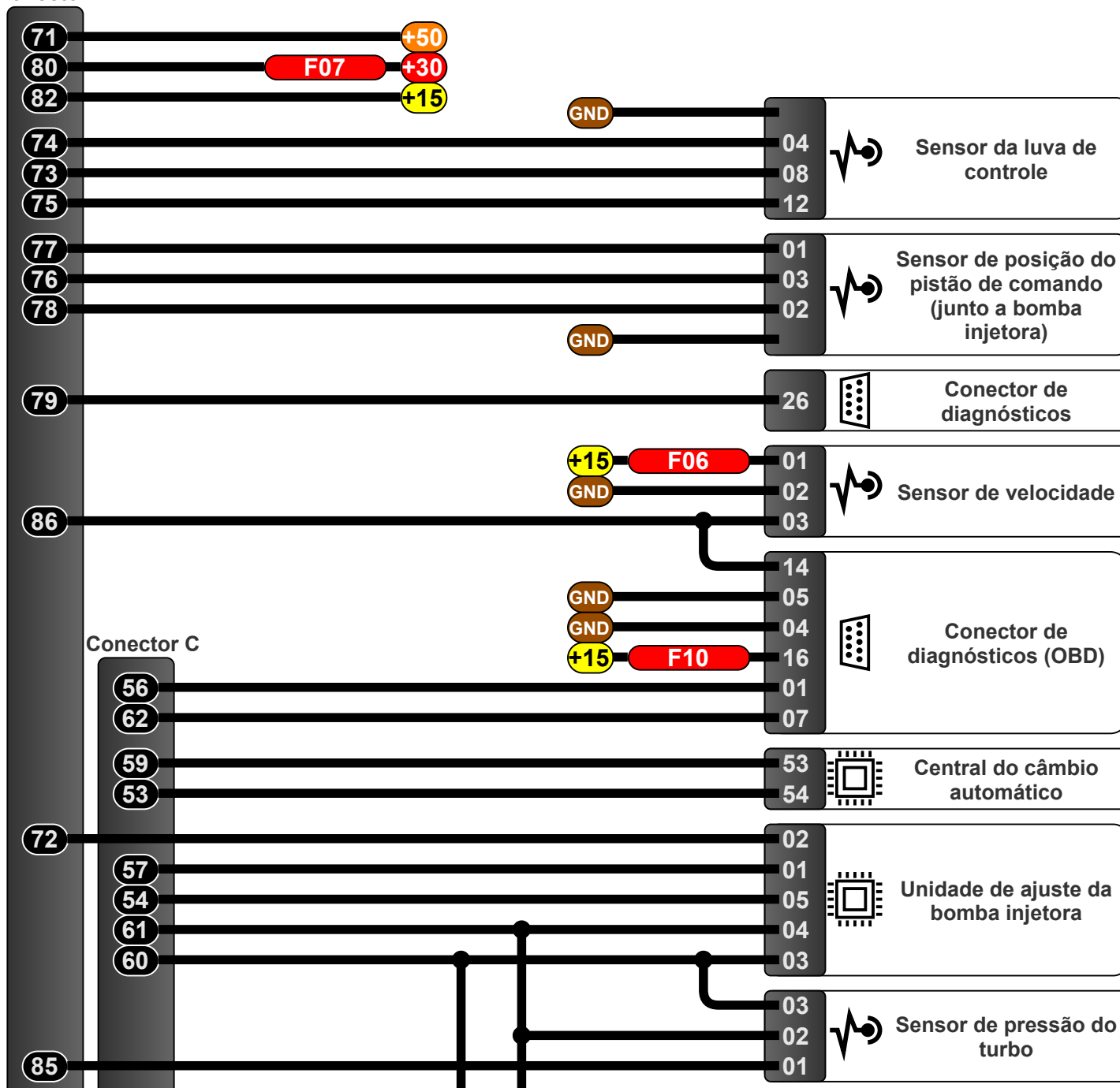
Pajero Sport 2.5 TD - EDC vrz 1.0 (2001/2009)

Conectores da Central

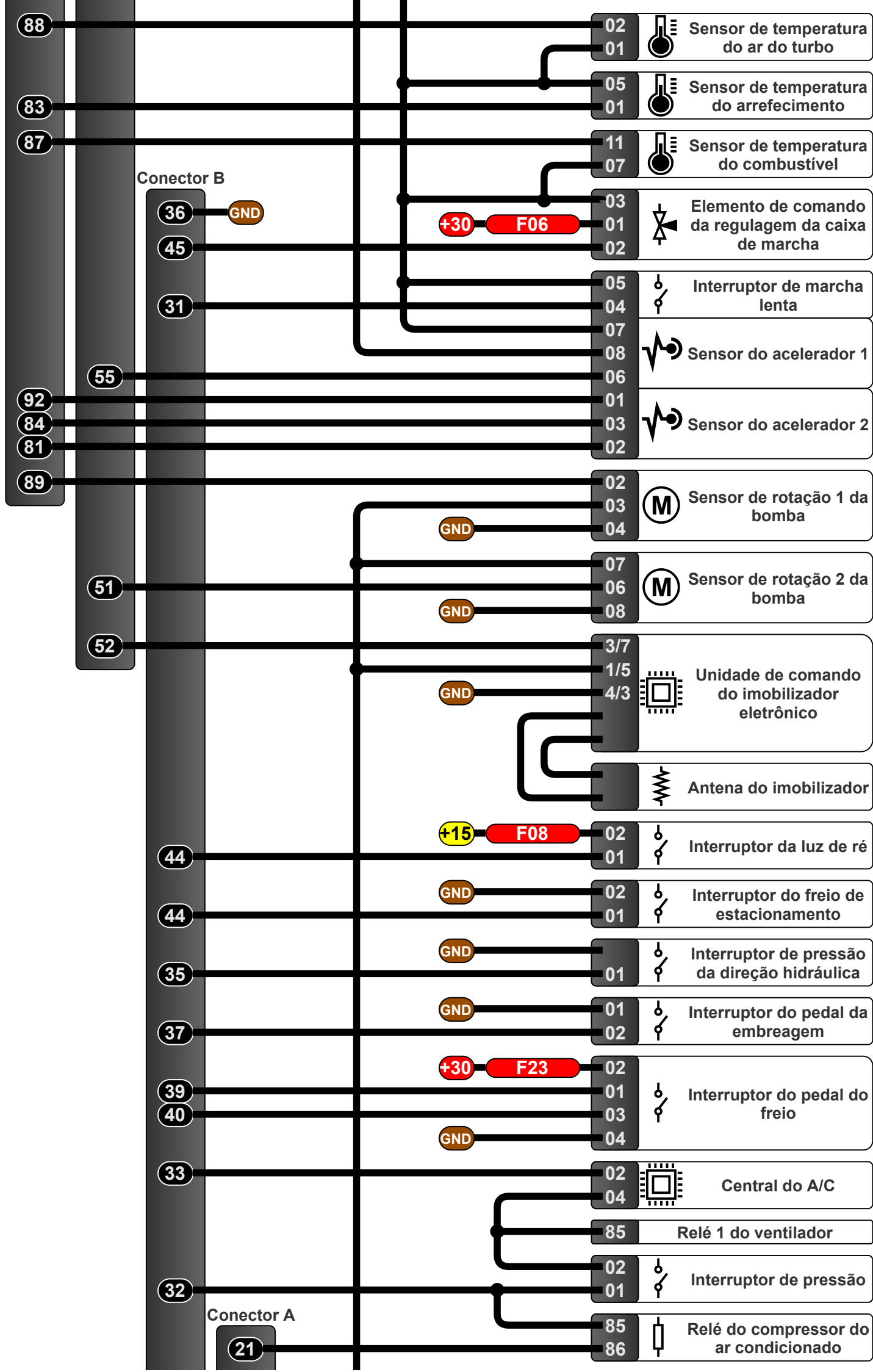


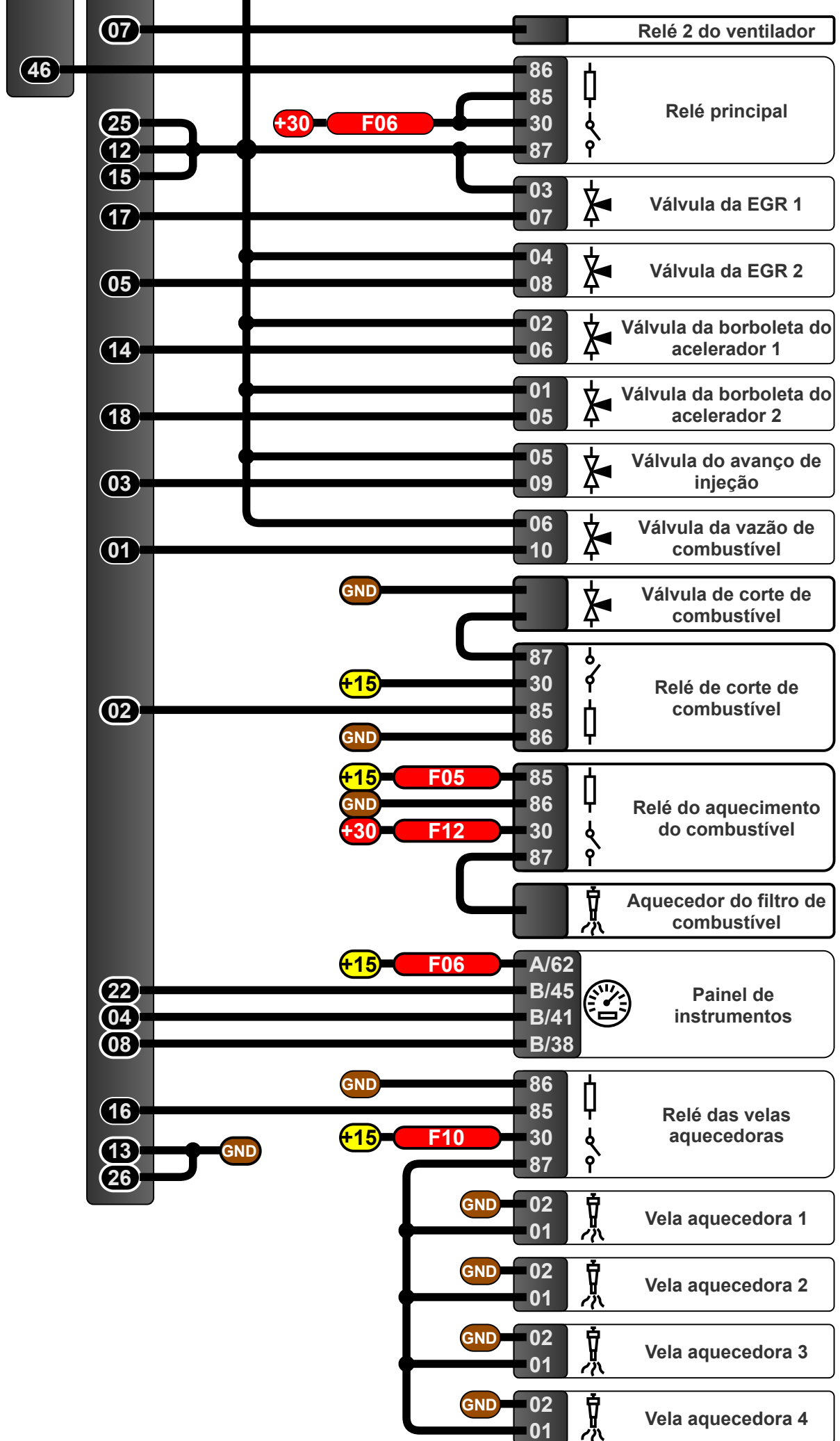
Esquema Elétrico

Conector D



Conector C







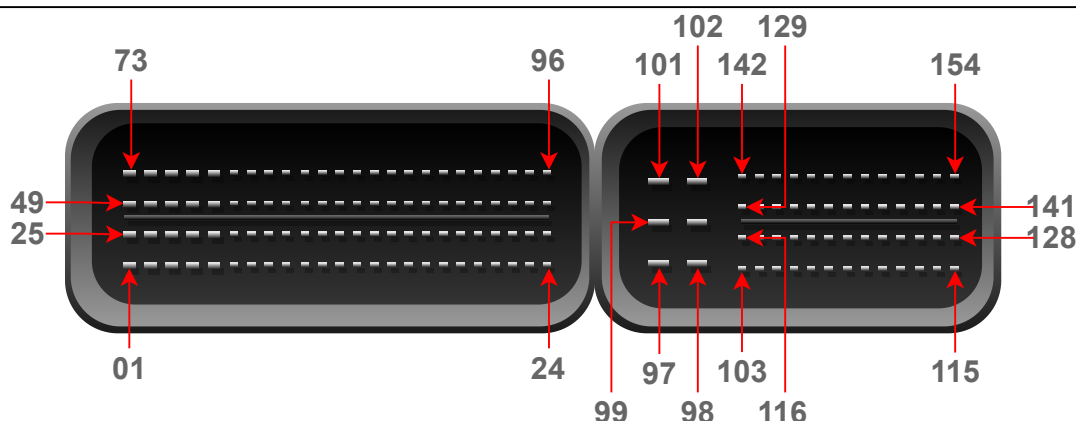
Modelos

Frontier 2.5 (2012/...).....98

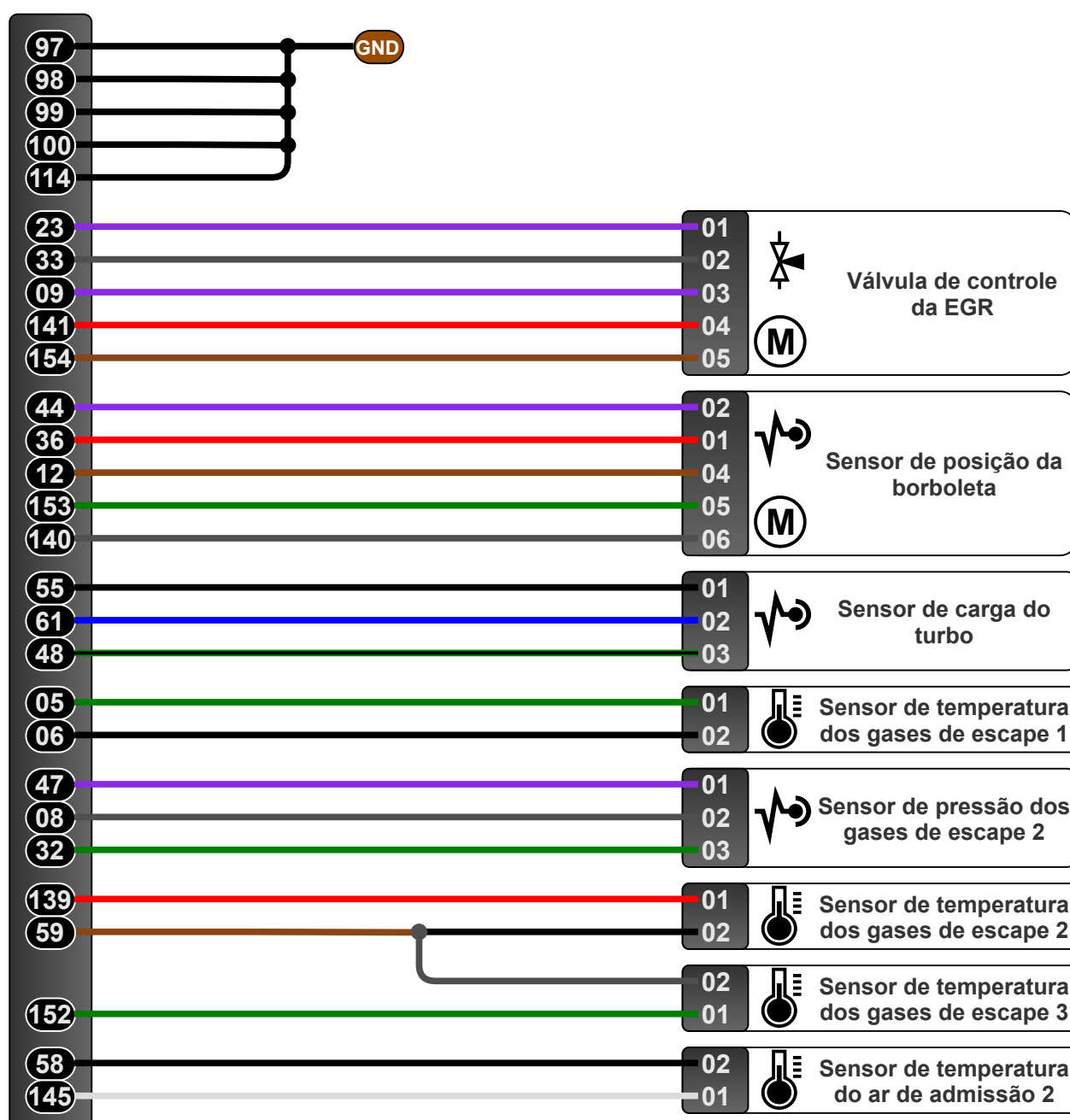
Modelos:

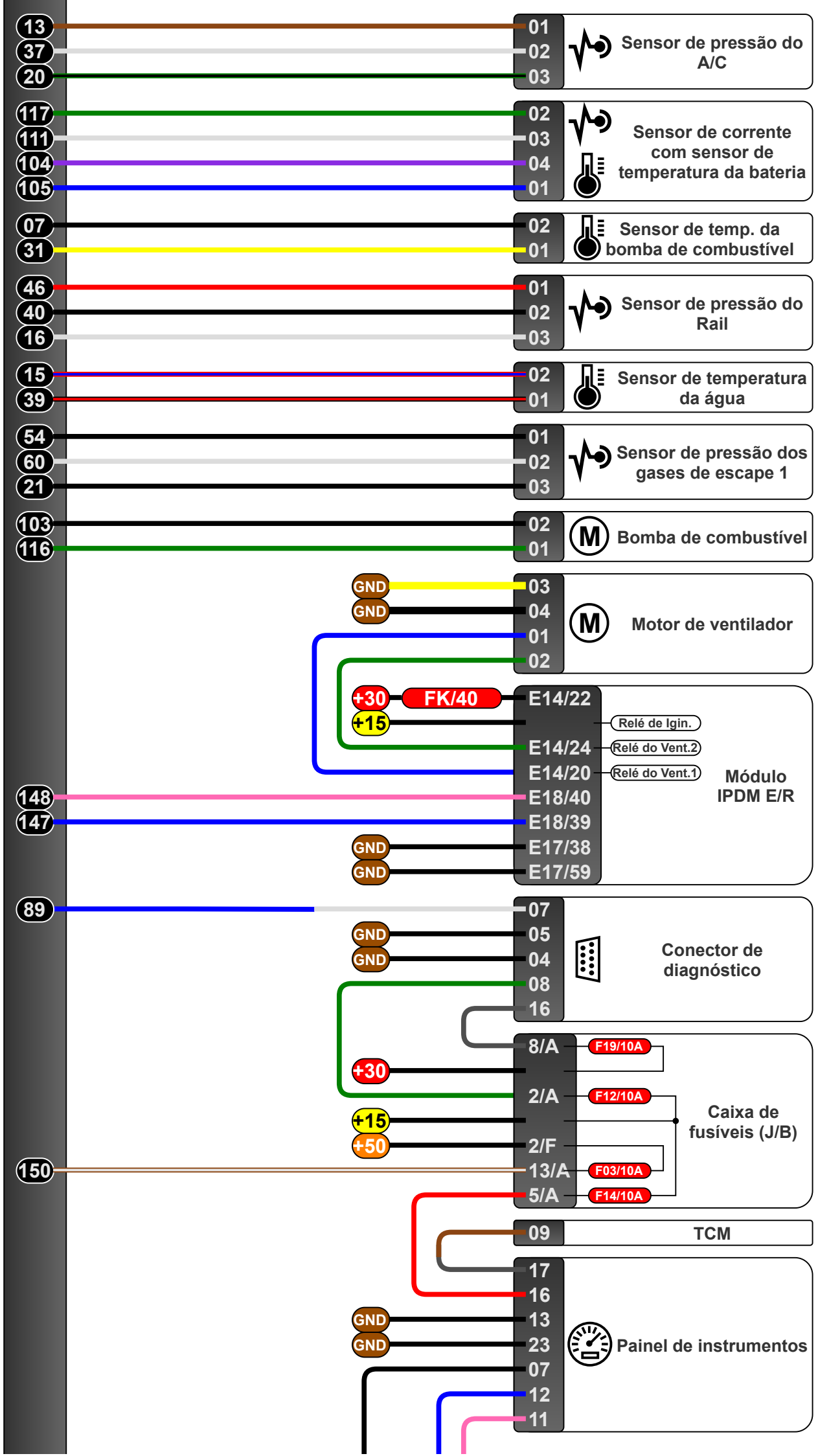
Frontier 2.5 2012 em Diante

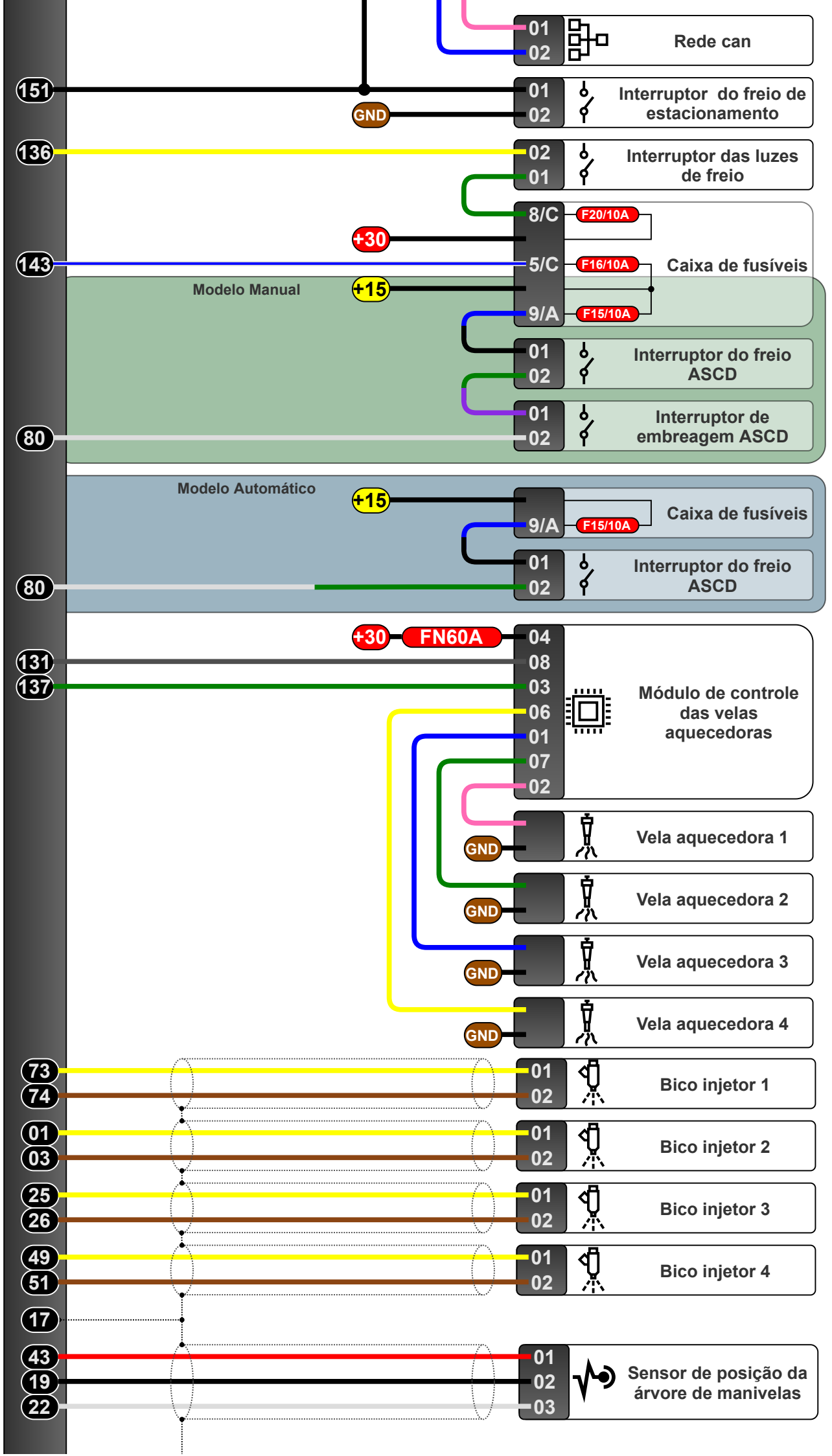
Conectores da Central

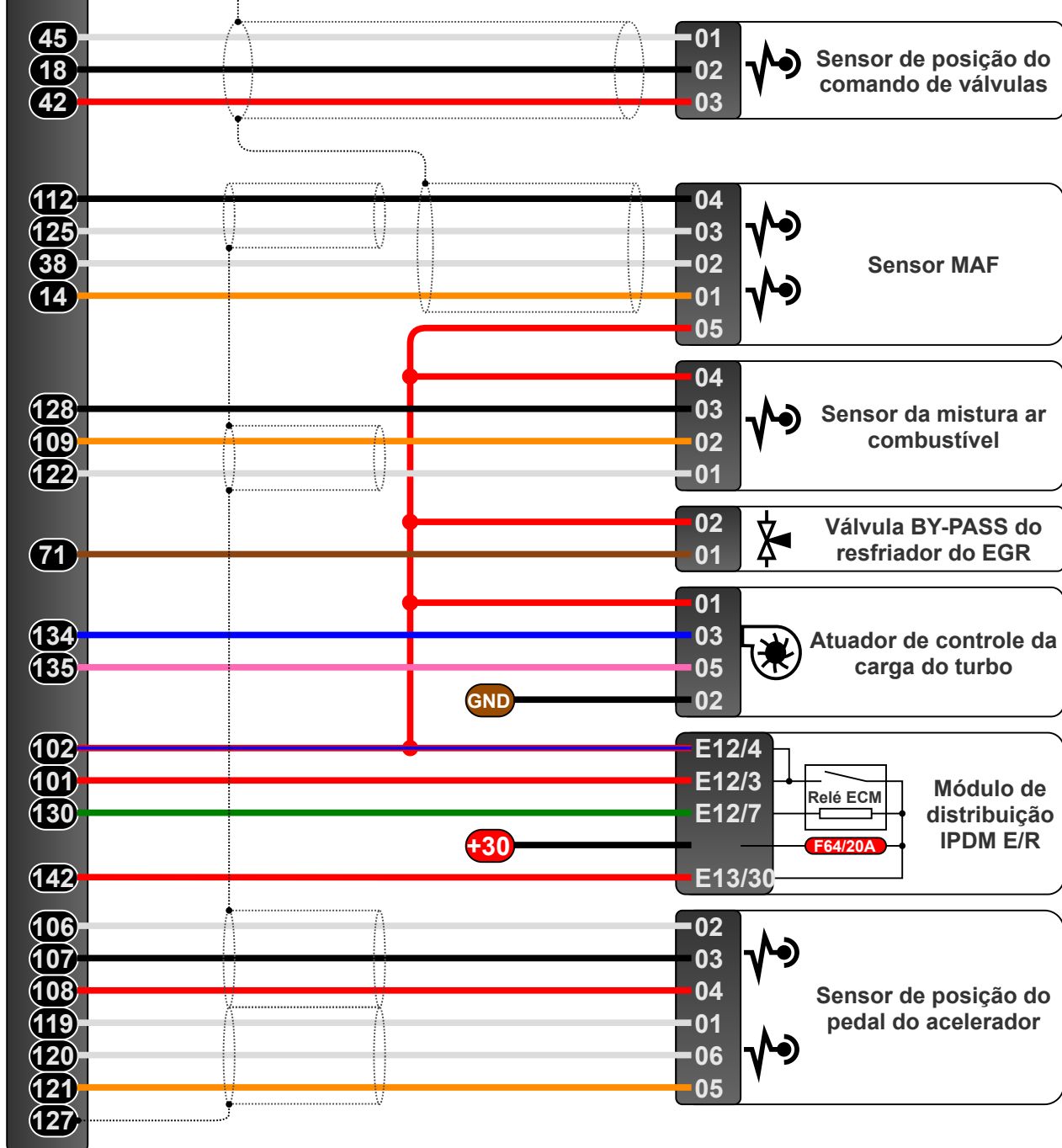


Esquema Elétrico











RENAULT

Modelos

Master 2.5 DCI - EDC 15C3 (2003/2009)	103
---	-----

Modelos:

Master 2.5 DCI - EDC 15C3 (2003/2009)

Conectores da Central

Conector C

M L K J H G F E D C B A
01
02
03
04

Conector B

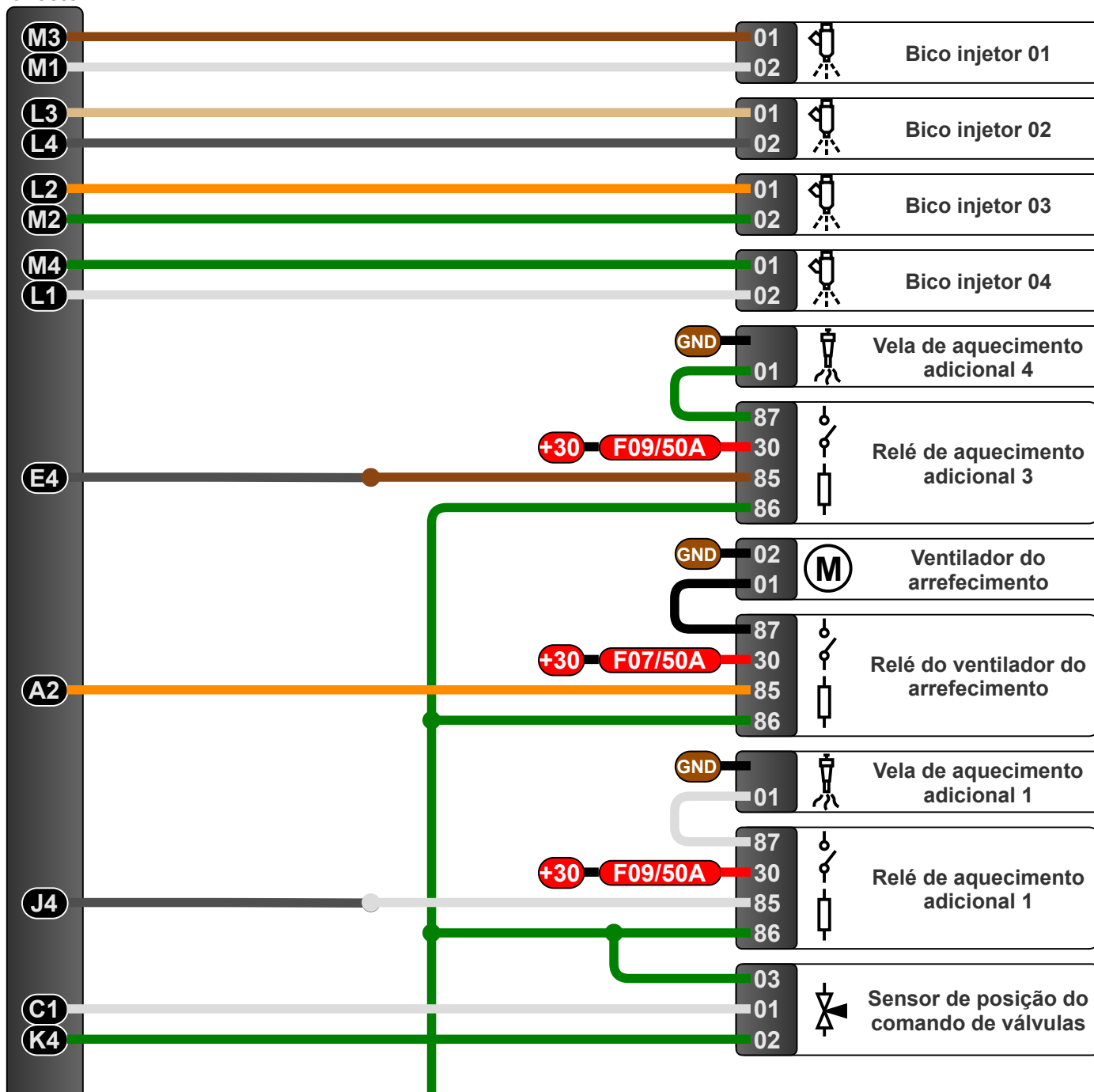
M L K J H G F E D C B A
01
02
03
04

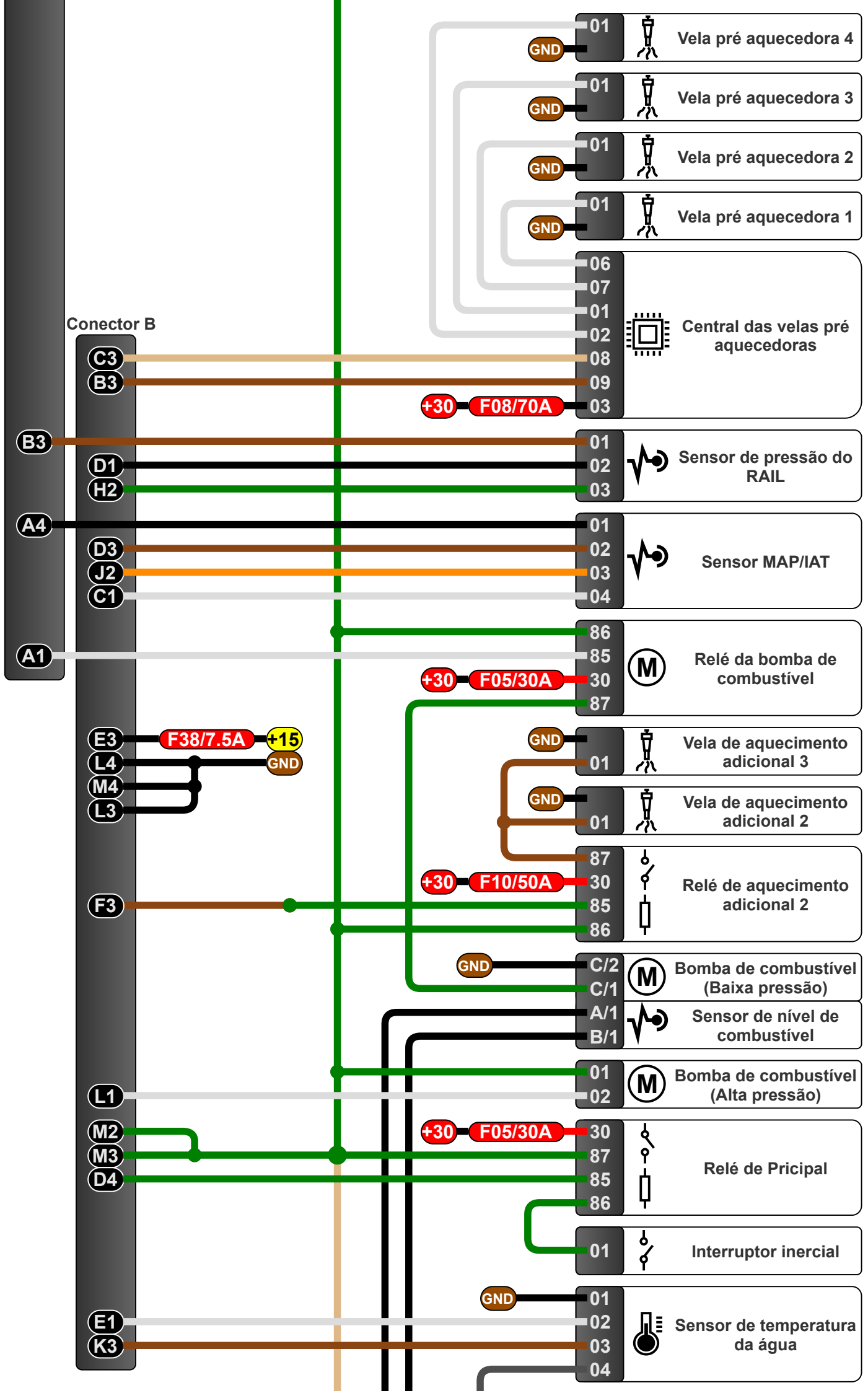
Conector A

A B C D E F G H
01
02
03
04

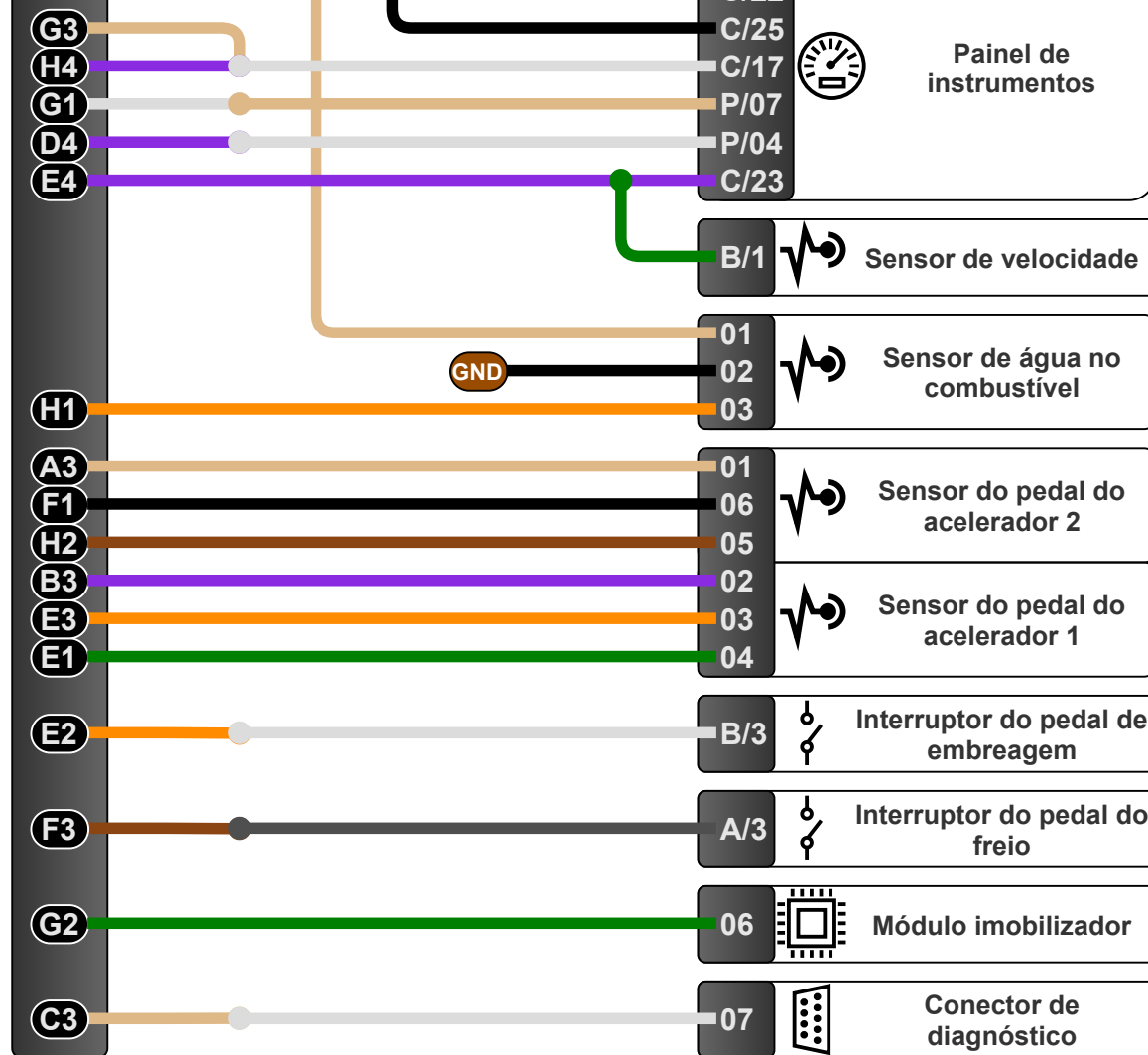
Esquema Elétrico

Conector C





Conector A





SCANIA

Modelos

114 (340/380) - DC 11(1998/2004)	107
124 420 – DC 12 (1998/2003)	107

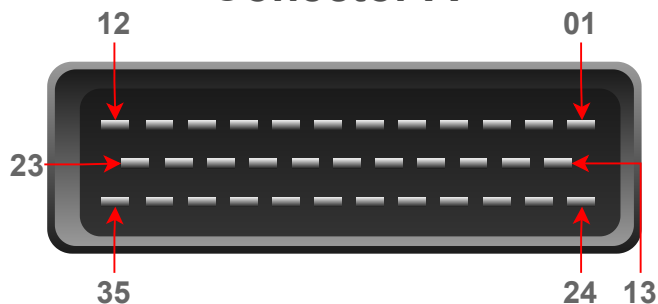
Modelos:

114 (340/380) - DC 11 (1998/2004)

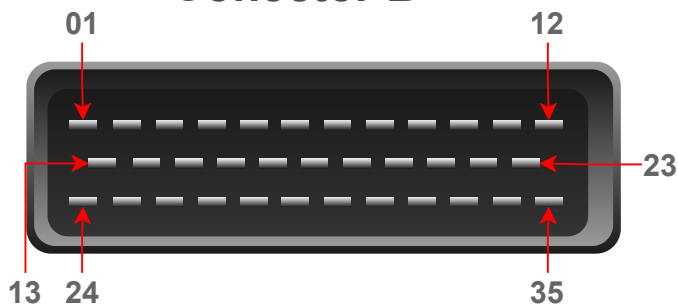
124 420 - DC 12 (1998/2003)

Conectores da Central

Conector A

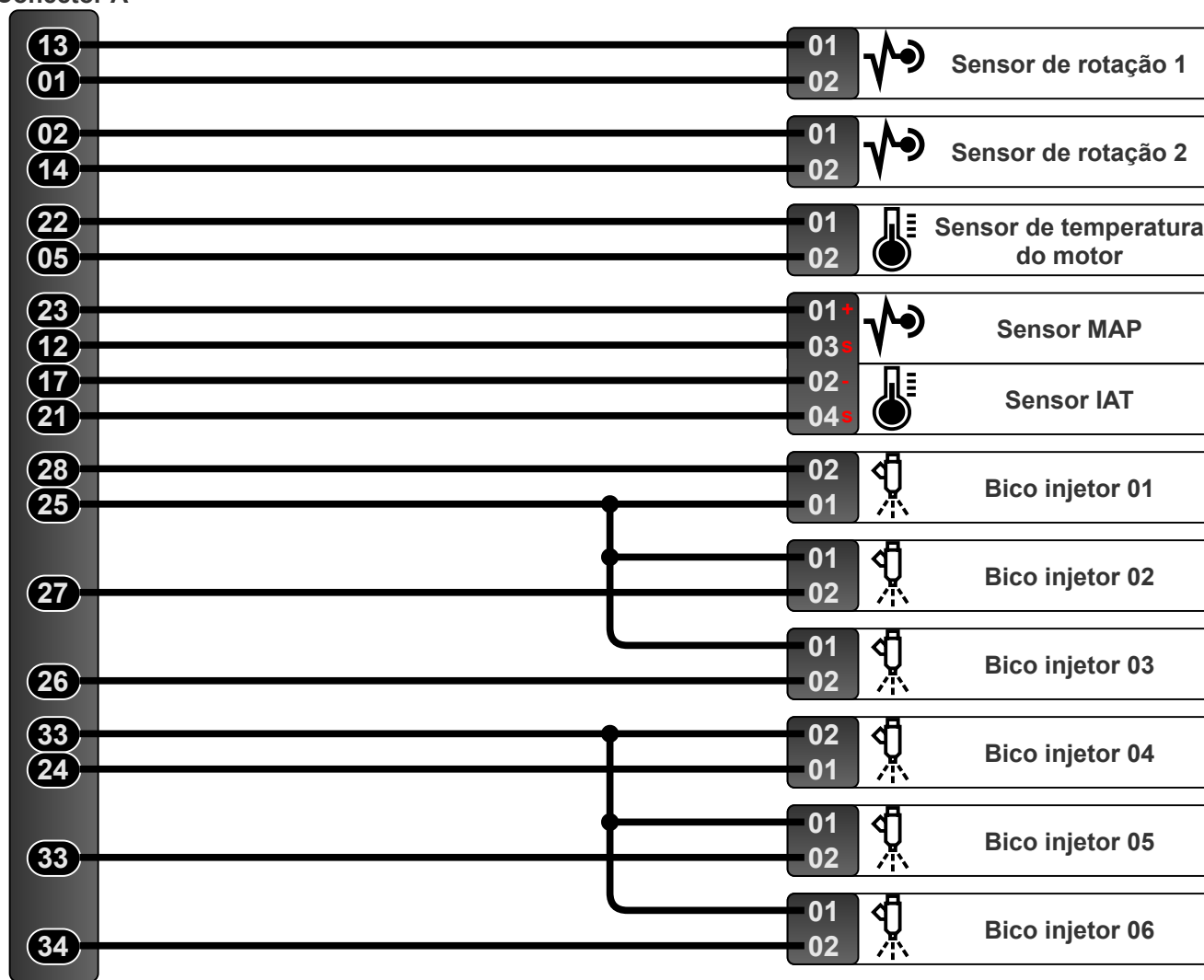


Conector B

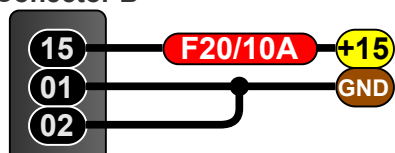


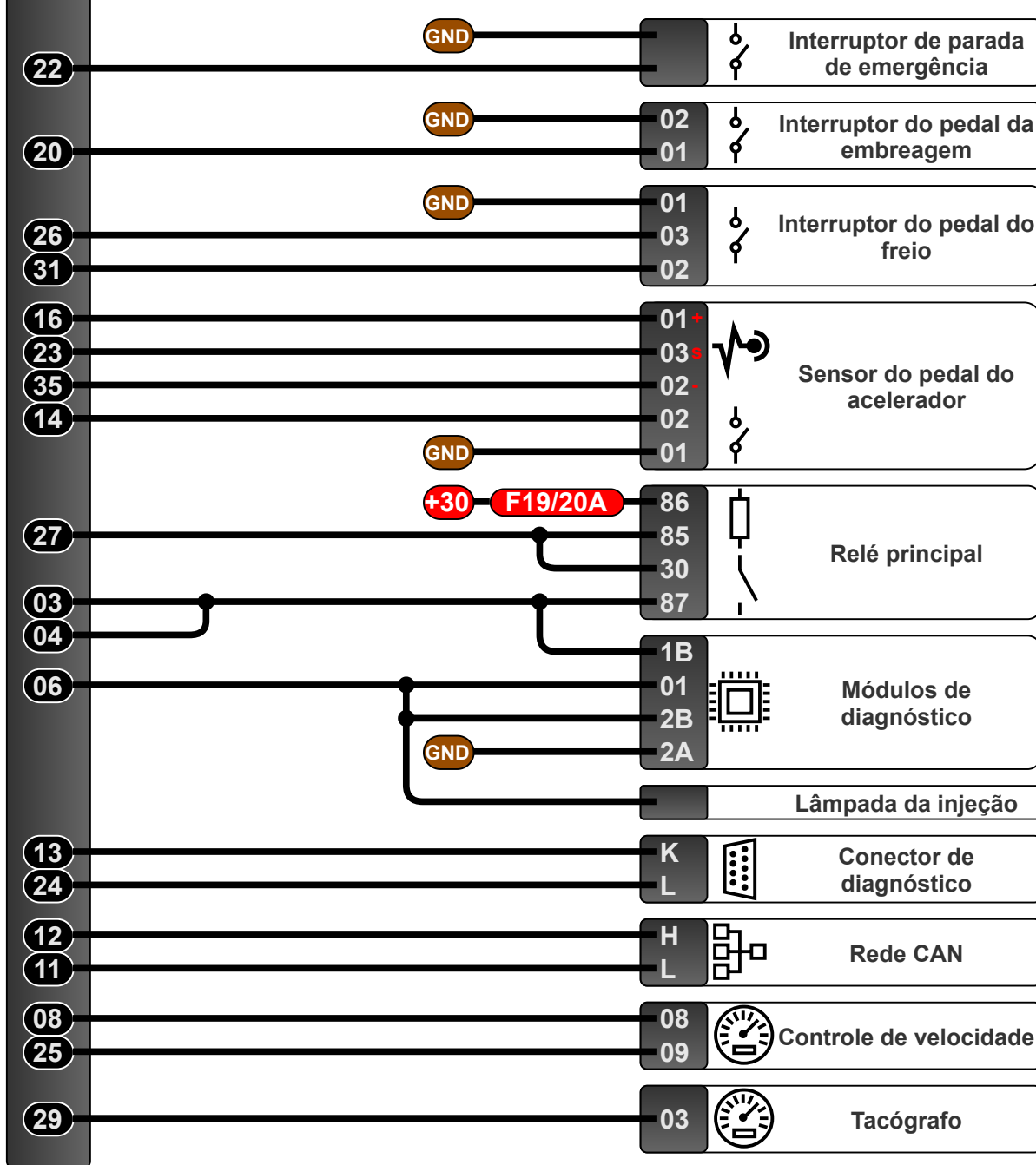
Esquema Elétrico

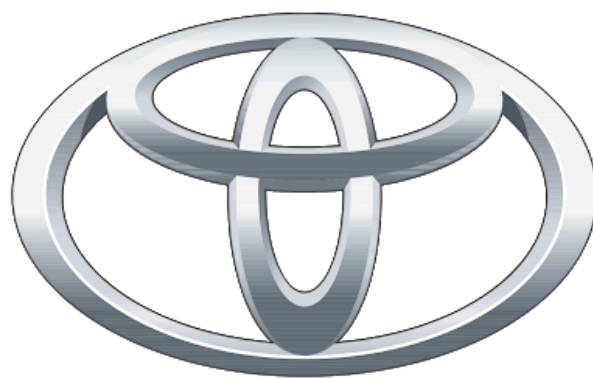
Conector A



Conector B







TOYOTA

Modelos

Hilux 2.5 TDi - 2KD-FTV (2004/2011)	110
Hilux SW4 2.5 TDi - 2KD-FTV (2005/2011)	110
Hilux 3.0 D-4D - 1KD-FTV (2004/2011).....	110
Hilux SW4 3.0 D-4D - 1KD FTV (2005/2011).....	110

Hilux	2.5	TDi	-	2KD-FTV	(2004/2011)
Hilux	SW4	2.5	TDi	-	2KD-FTV (2005/2011)
Hilux	3.0	D-4D	-	1KD-FTV	(2004/2011)
Hilux	SW4	3.0	D-4D	-	1KD FTV (2005/2011)

Diagram illustrating the connector layout for the 100-pin connector, showing four connectors labeled A, B, C, and D. The pins are numbered as follows:

- Connector A:** 01, 07, 08, 18, 26, 31
- Connector B:** 01, 06, 28, 35
- Connector C:** 01, 07, 28, 35
- Connector D:** 01, 07, 17, 27, 28, 34

Conector D

06
07
27
34
02
01
08
22
23
24
25

GND

03
01
02

Sensor da árvore de manivelas

01
02

Válvula de controle de sucção

03

Alternador

01
02

Bico injetor 01

01
02

Bico injetor 04

01
01

Bico injetor 02

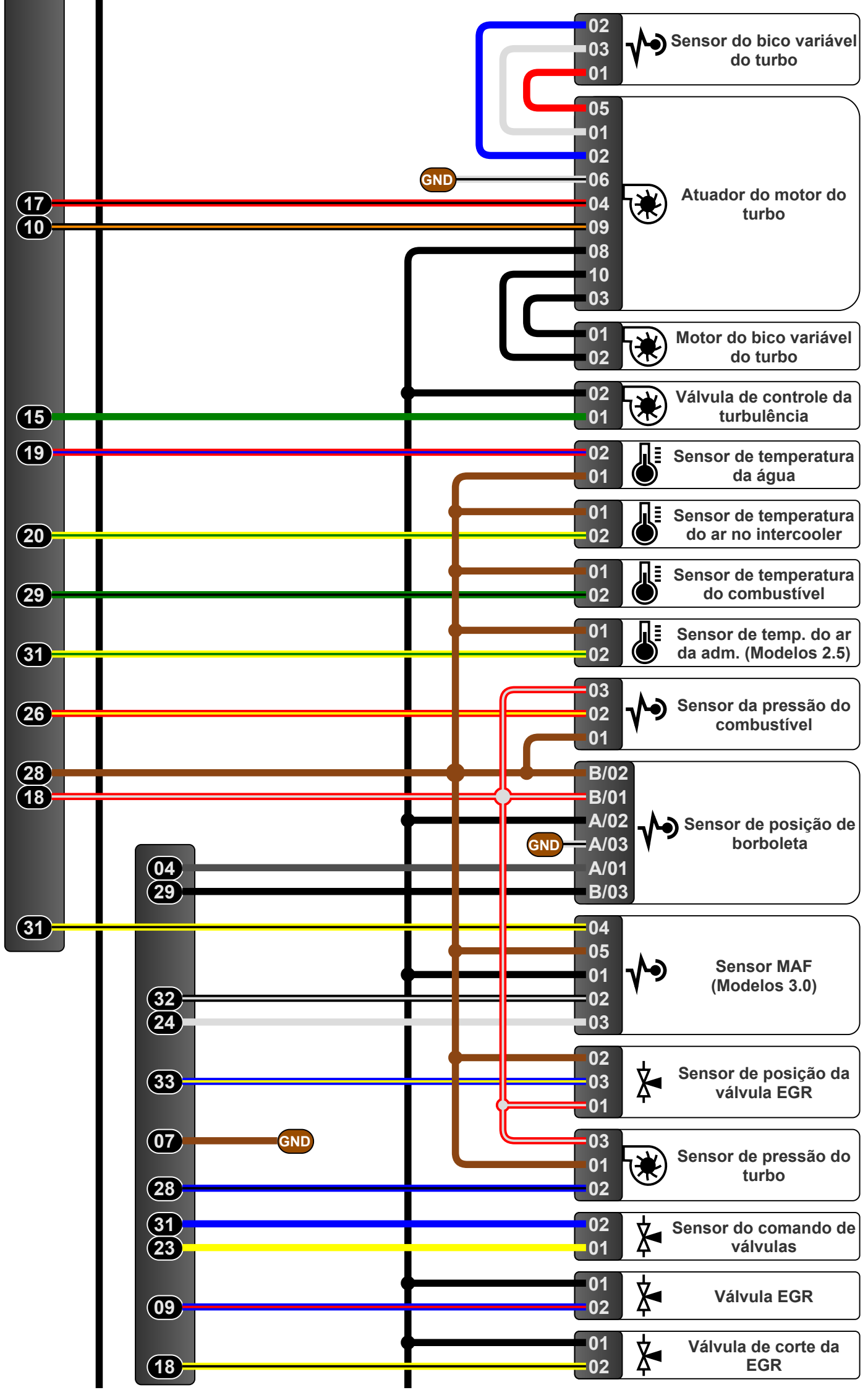
01
02

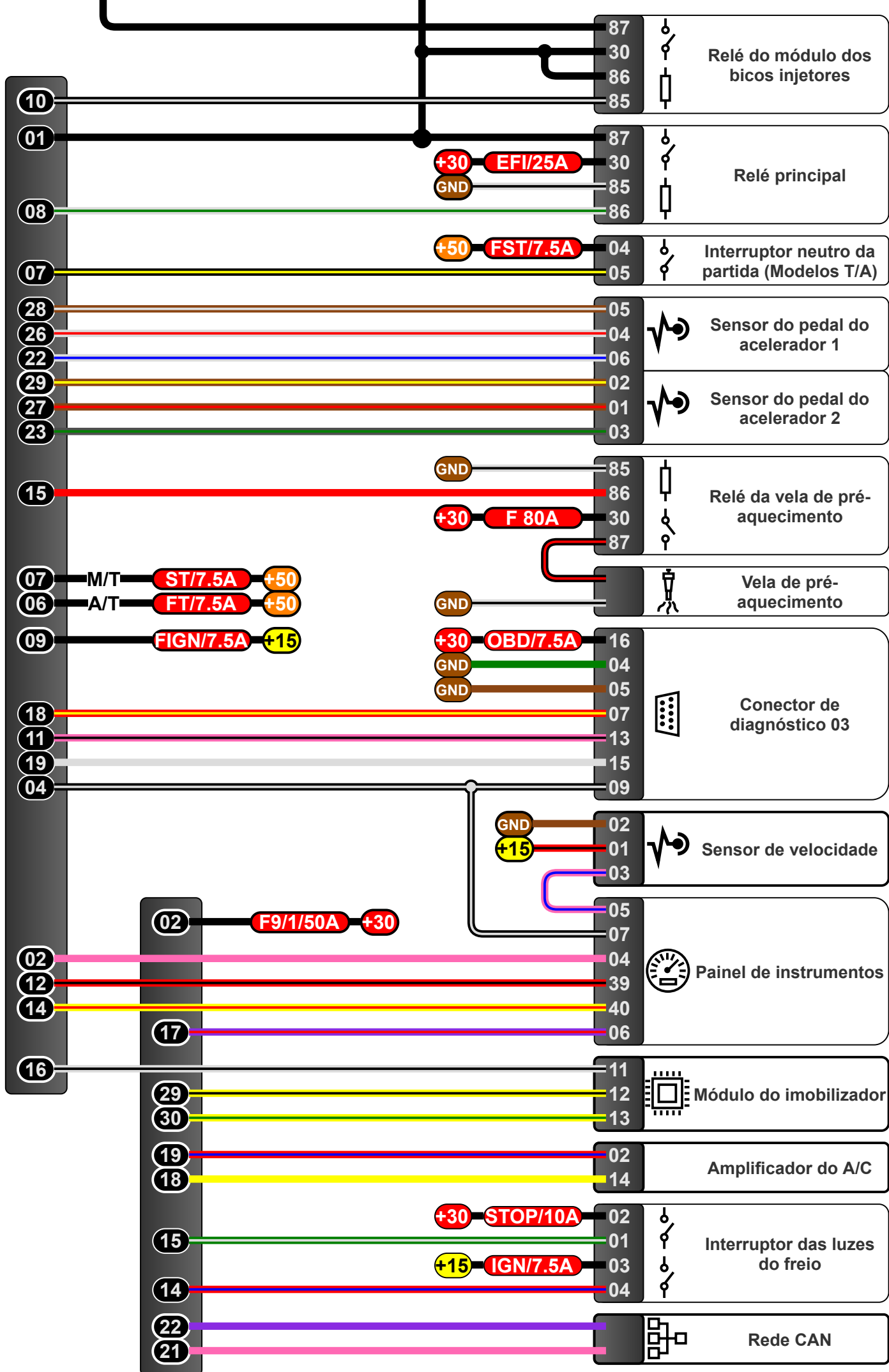
Bico injetor 03

A/01
A/06
A/02
A/03
A/05
A/04
B/01
B/02
B/03
B/06
B/07
A/08

GND

Módulo do bicos injetores (EDU)







Modelos

T4 3.0 TDI - Siemens SID 901 (2005/2012).....	114
Pantanal 3.0 TDI - Siemens SID 901 (2006/2007)	114

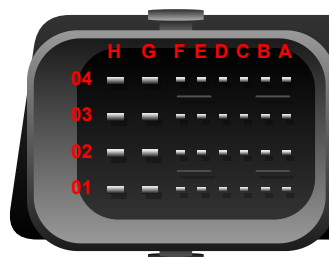
Modelos:

T4 3.0 TDI - Siemens SID 901 (2005/2012)

Pantanal 3.0 TDI - Siemens SID 901 (2006/2007)

Conectores da Central

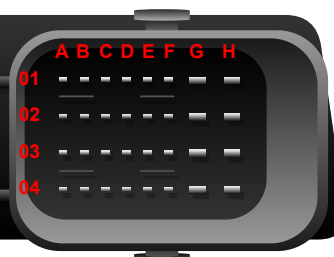
Conector A



Conector B

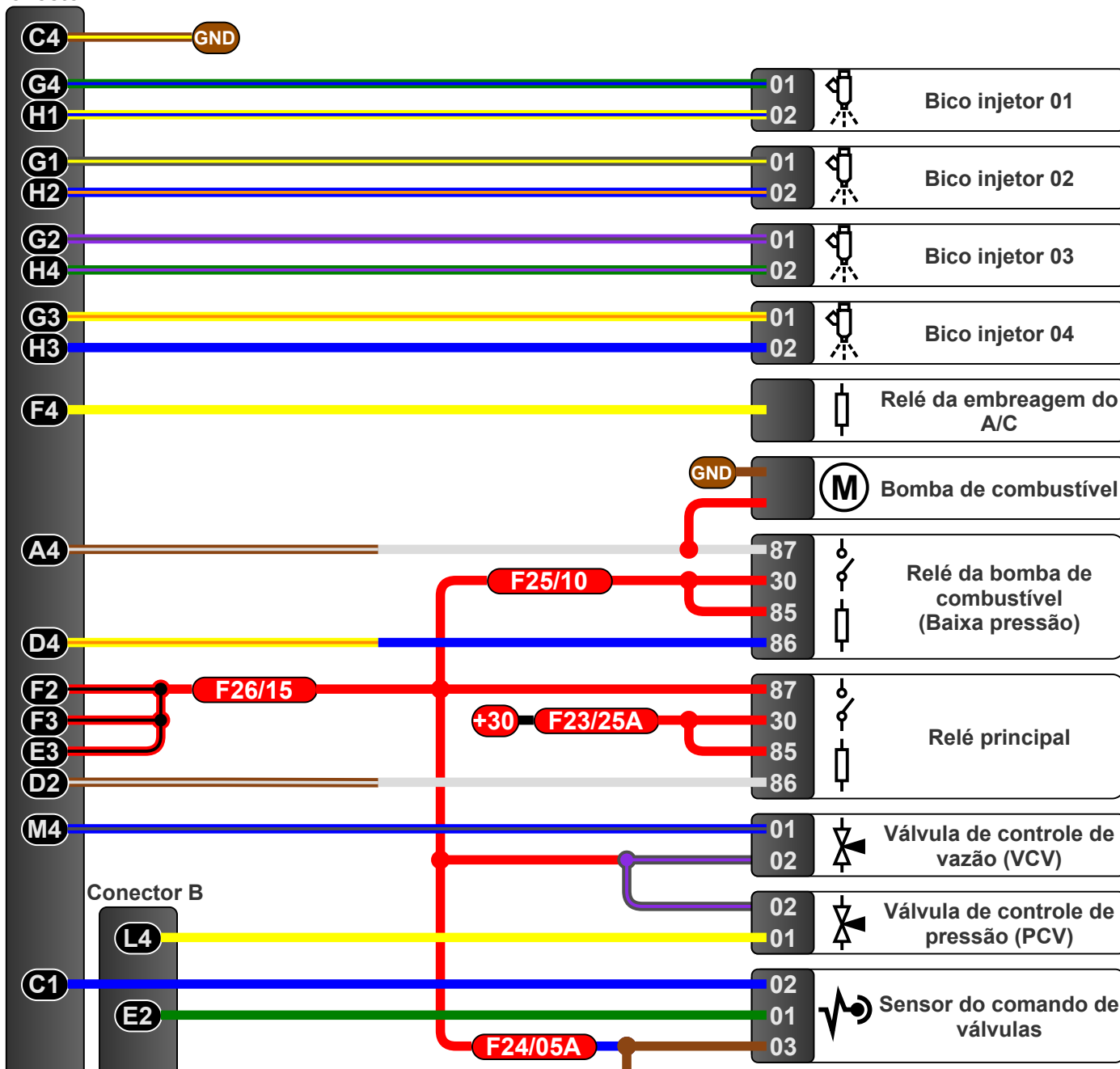


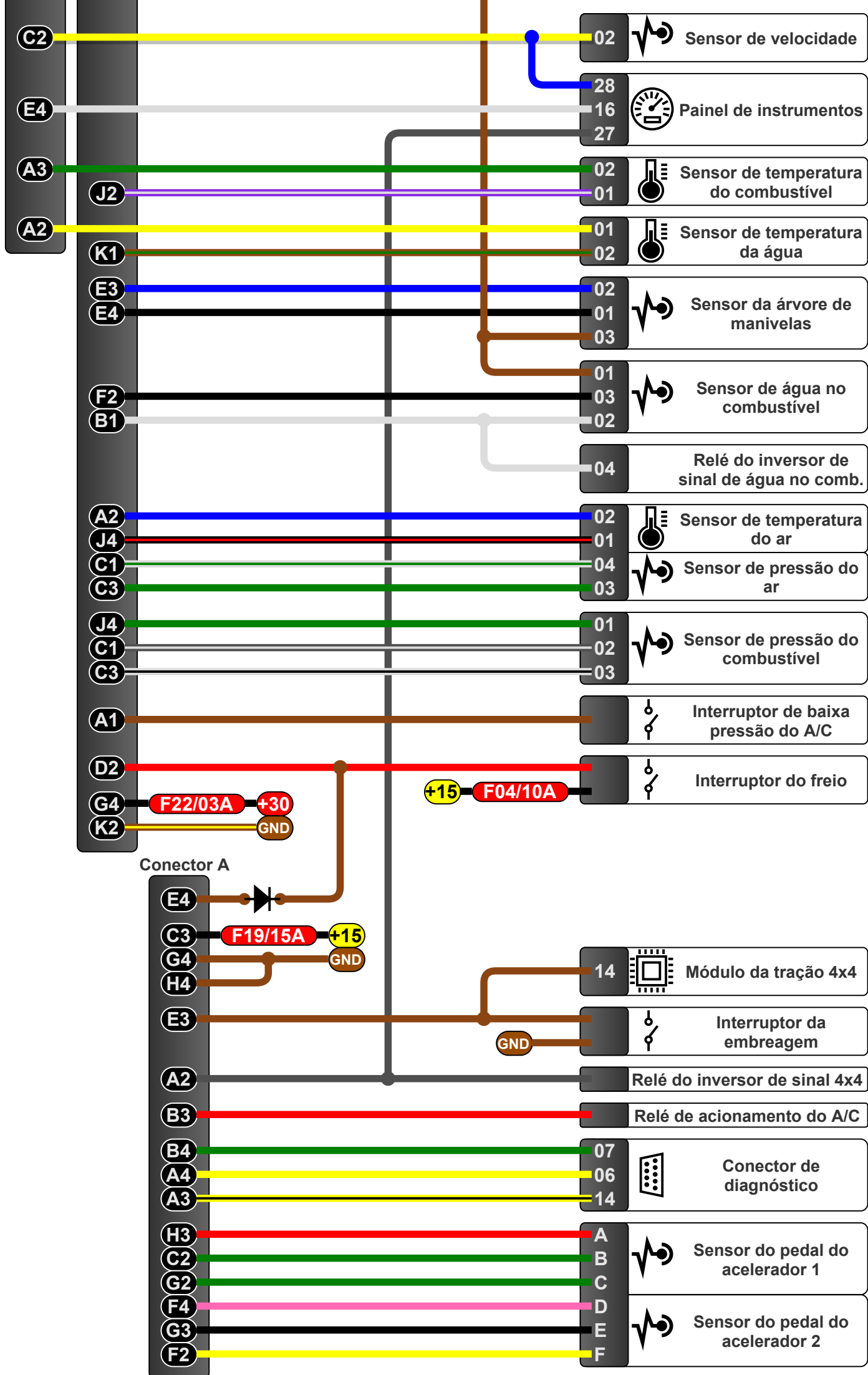
Conector C



Esquema Elétrico

Conector C







Modelos

Amarok 2.0 TDI - CDBA (2009/2012)	117
Constellation 19.320 8.3 (2006/...)	121
Constellation 25.320 8.3 (2007/...)	121
Constellation 31.320 8.3 (3007/...)	121
Constellation 17.250 5.9 (2005/2011)	125
Constellation 24.250 5.9 (2005/2011)	125
Constellation 13.190, 15.190, 17.190 (2012/...)	130
Volksbus 15.190, 17.230 (2012/...)	130
Worker 13.190, 15.190, 17.190 (2012/...)	130

Amarok 2.0 TDI - CDBA (2009/2012)

Conector A

46 60

31 16

01 15

Conector B

05 06 73

94

72 50

01 02 07

28

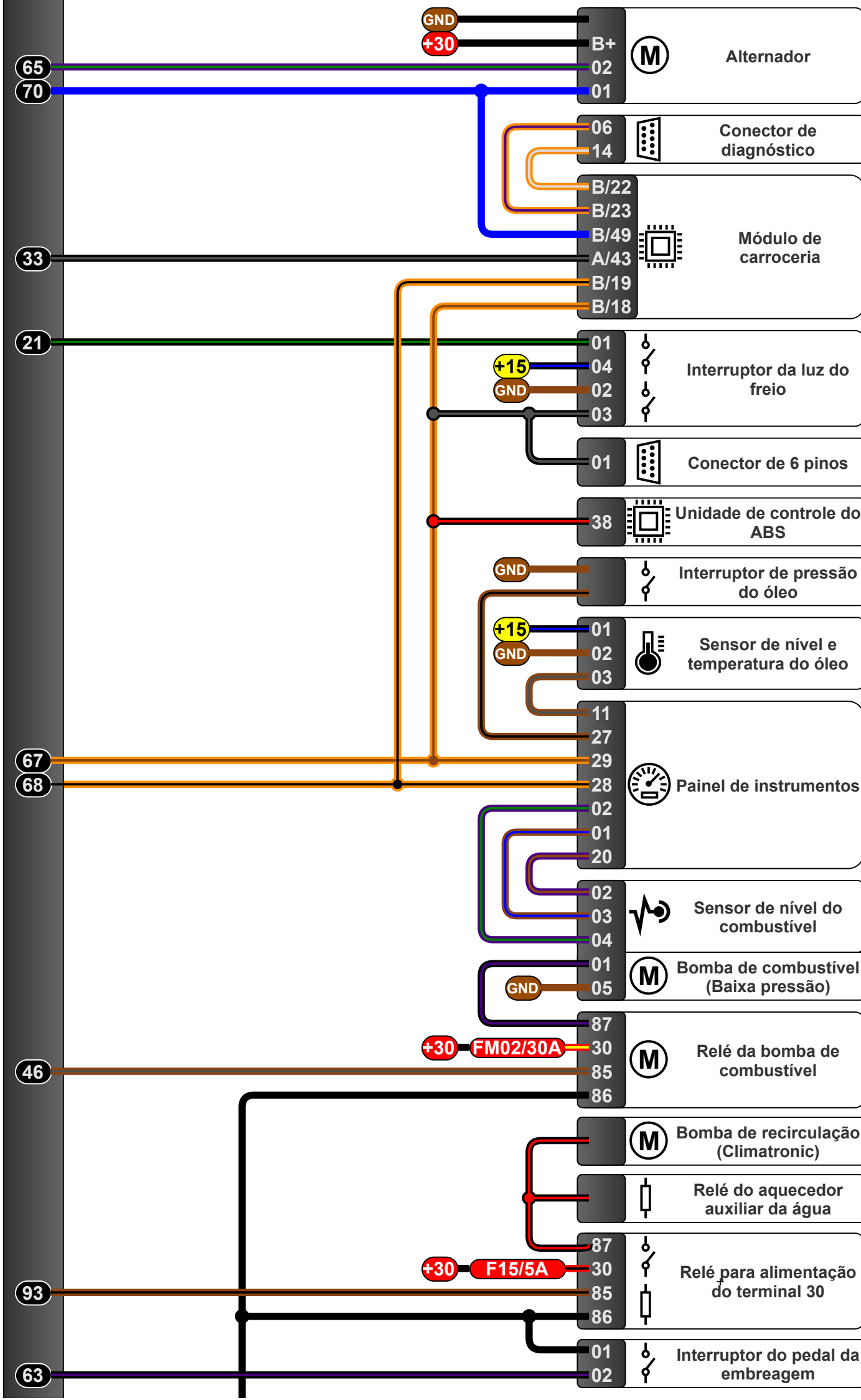
Diagrama de fiação para o módulo de diagnóstico

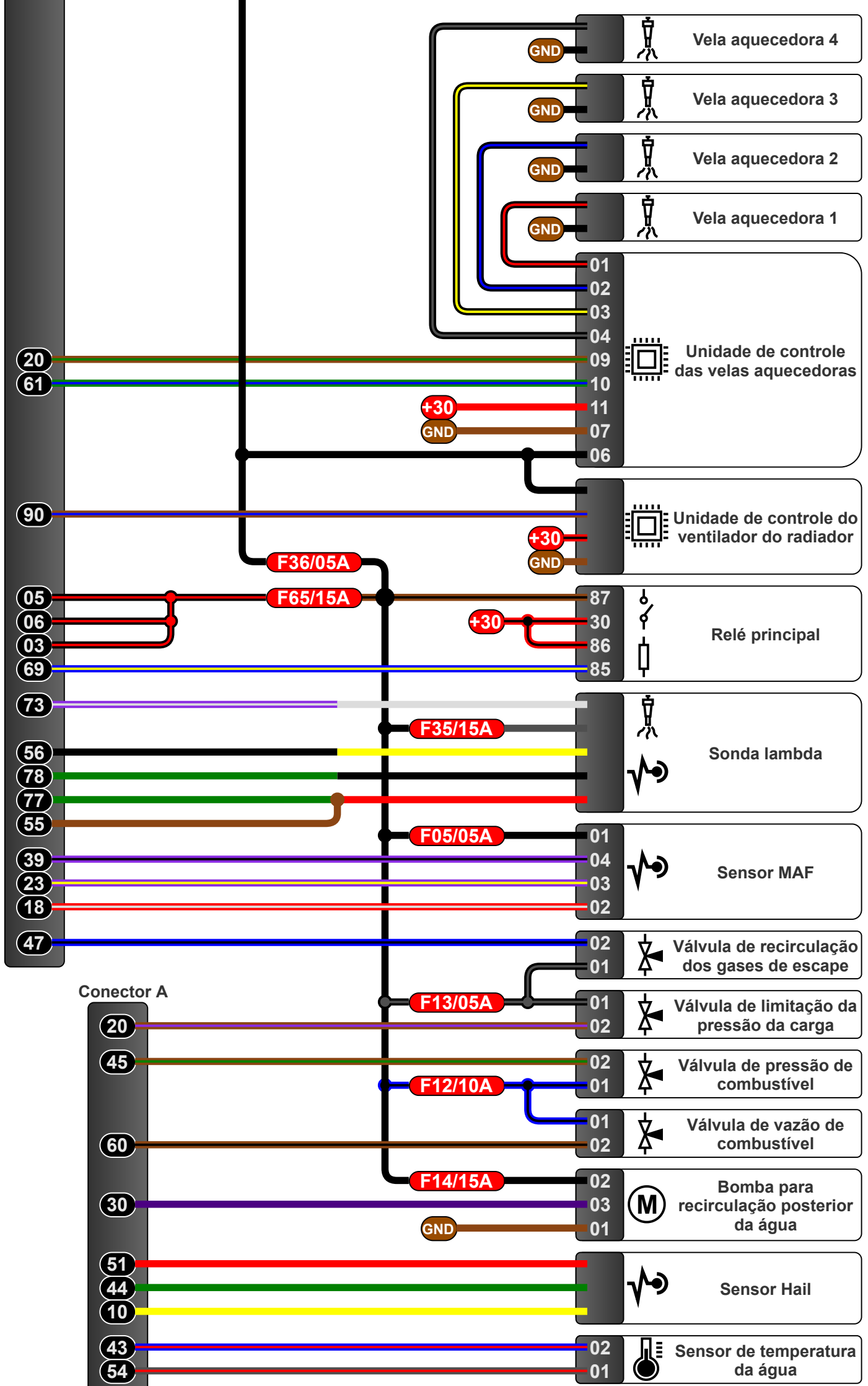
Conexões de Alimentação:

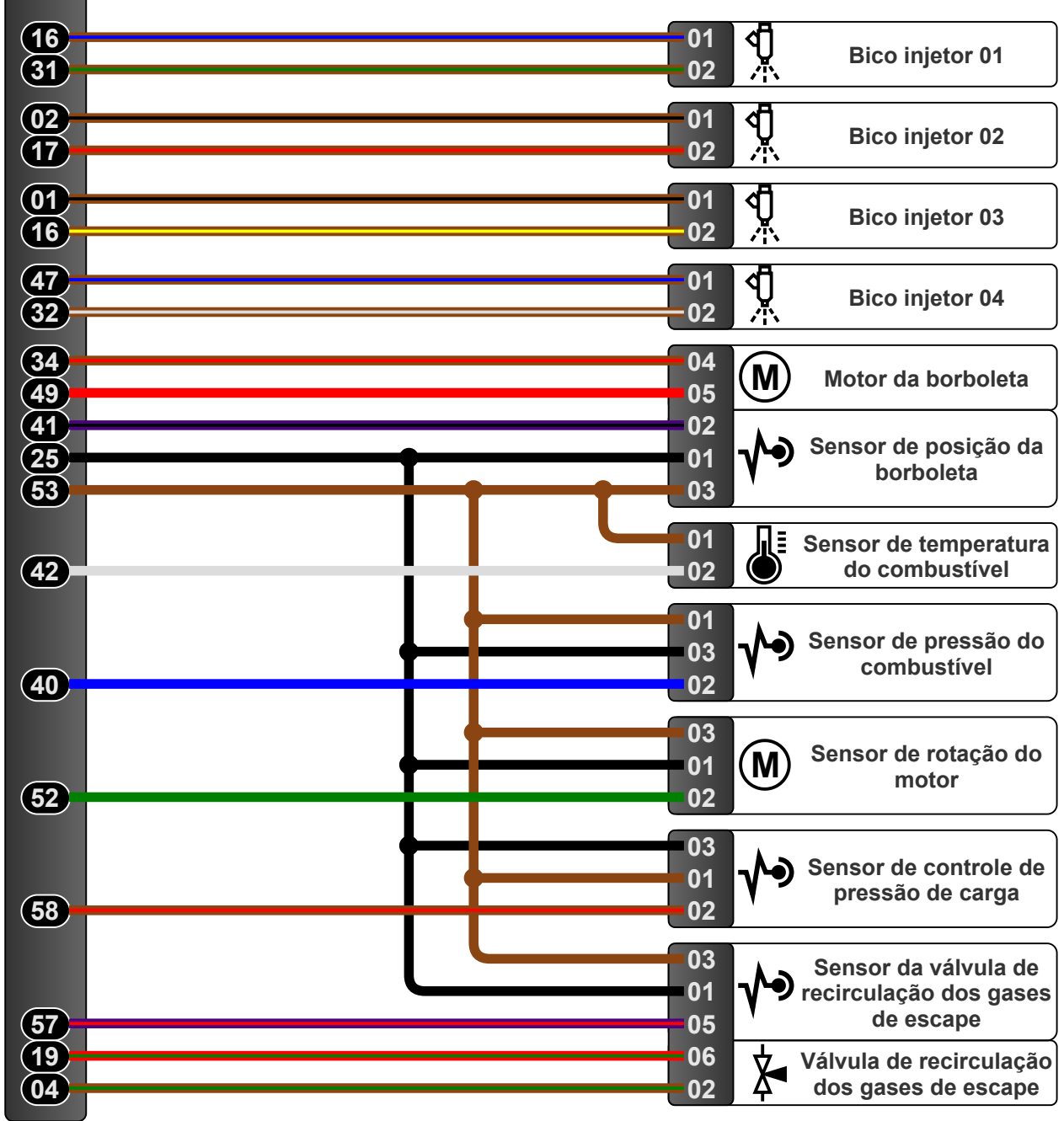
- F23/10A (+30):** Vermelho
- F10/05A (+15):** Amarelo
- GND:** Marrom

Conexões de Sensores e Atuadores:

- Sensor de pressão do ar de admissão:** 01, 02, 03, 04
- Sensor da posição do pedal do acelerador:** 03, 04, 02, 05, 01, 06
- Interruptores da coluna de direção (P/Aut.):** 01, 03
- Sensor de temperatura (na saída do radiador):** 01, 02
- Sensor 1 de temperatura do escape**
- Sensor 3 de temperatura do escape**
- Sensor 4 de temperatura do escape**
- Sensor 1 de pressão dos gases de escape:** 03, 01, 02
- Sensor de pressão do coletor de admissão:** 01, 03, 04







Modelos:

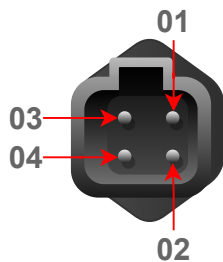
Constellation 19.320 8.3 (2006/...)

Constellation 25.320 8.3 (2007/...)

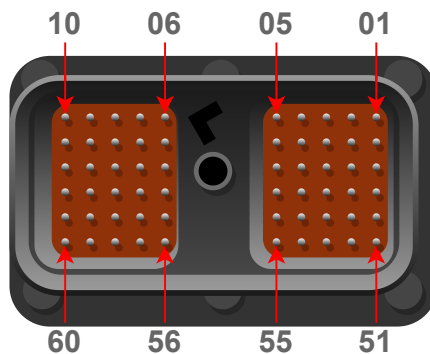
Constellation 31.320 8.3 (3007/...)

Conectores da Central

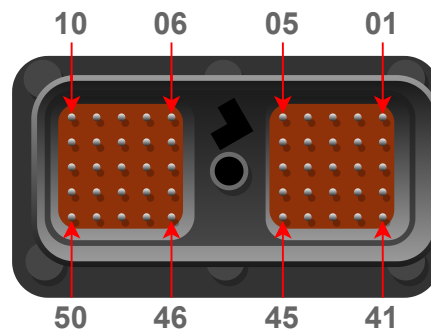
Conector A



Conector B

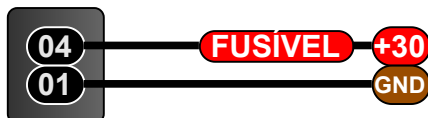


Conector C

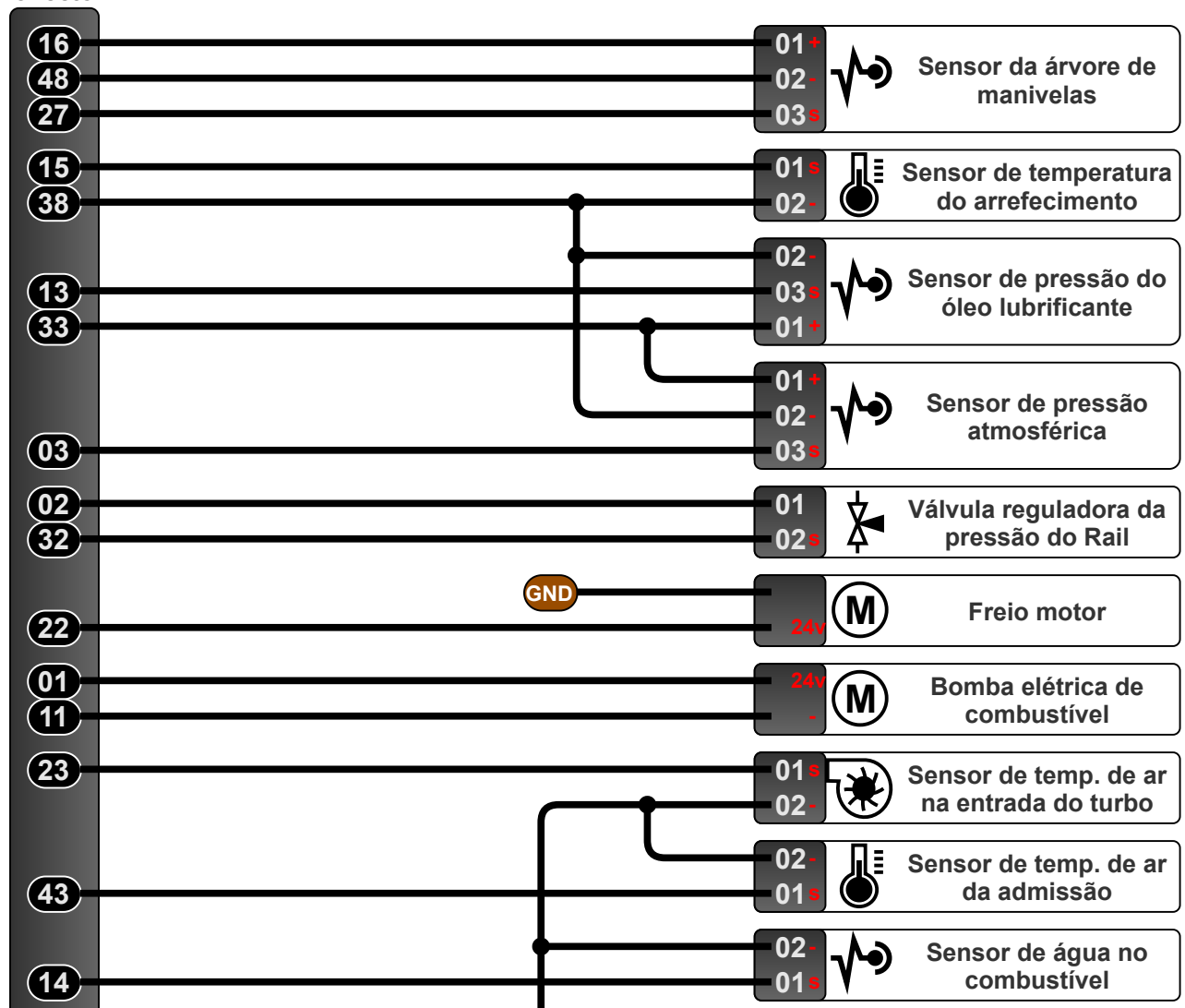


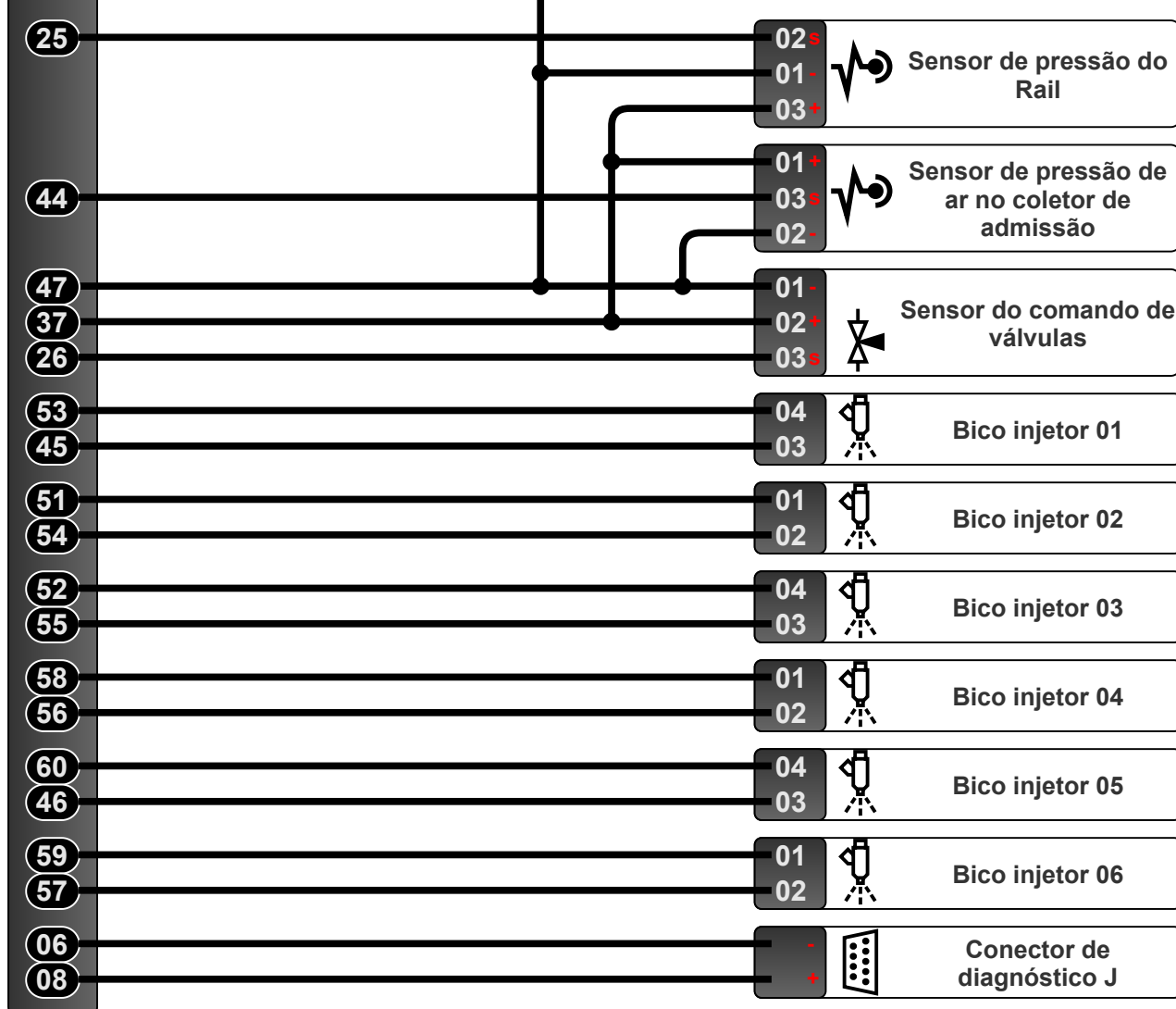
Esquema Elétrico

Conector A

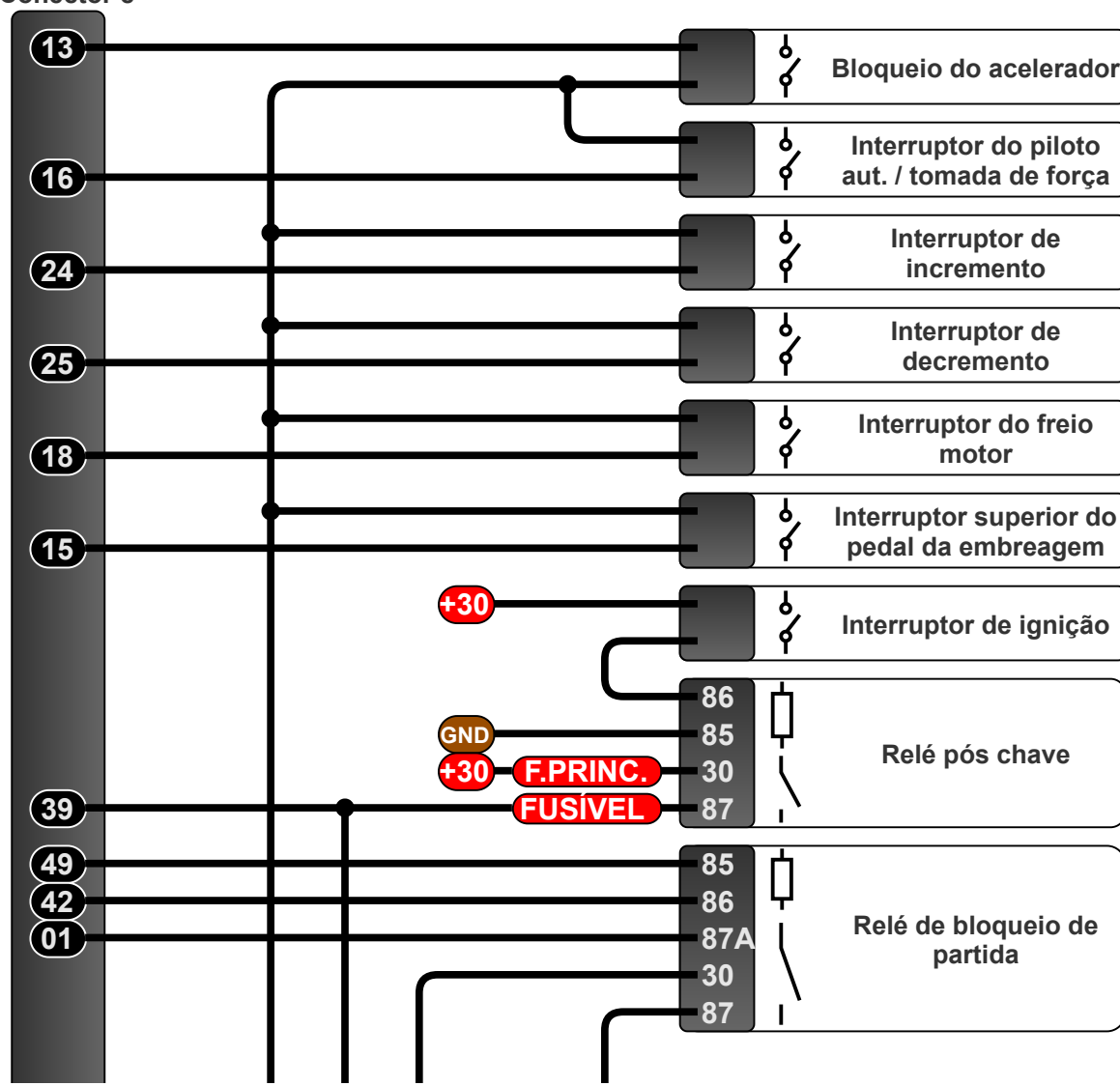


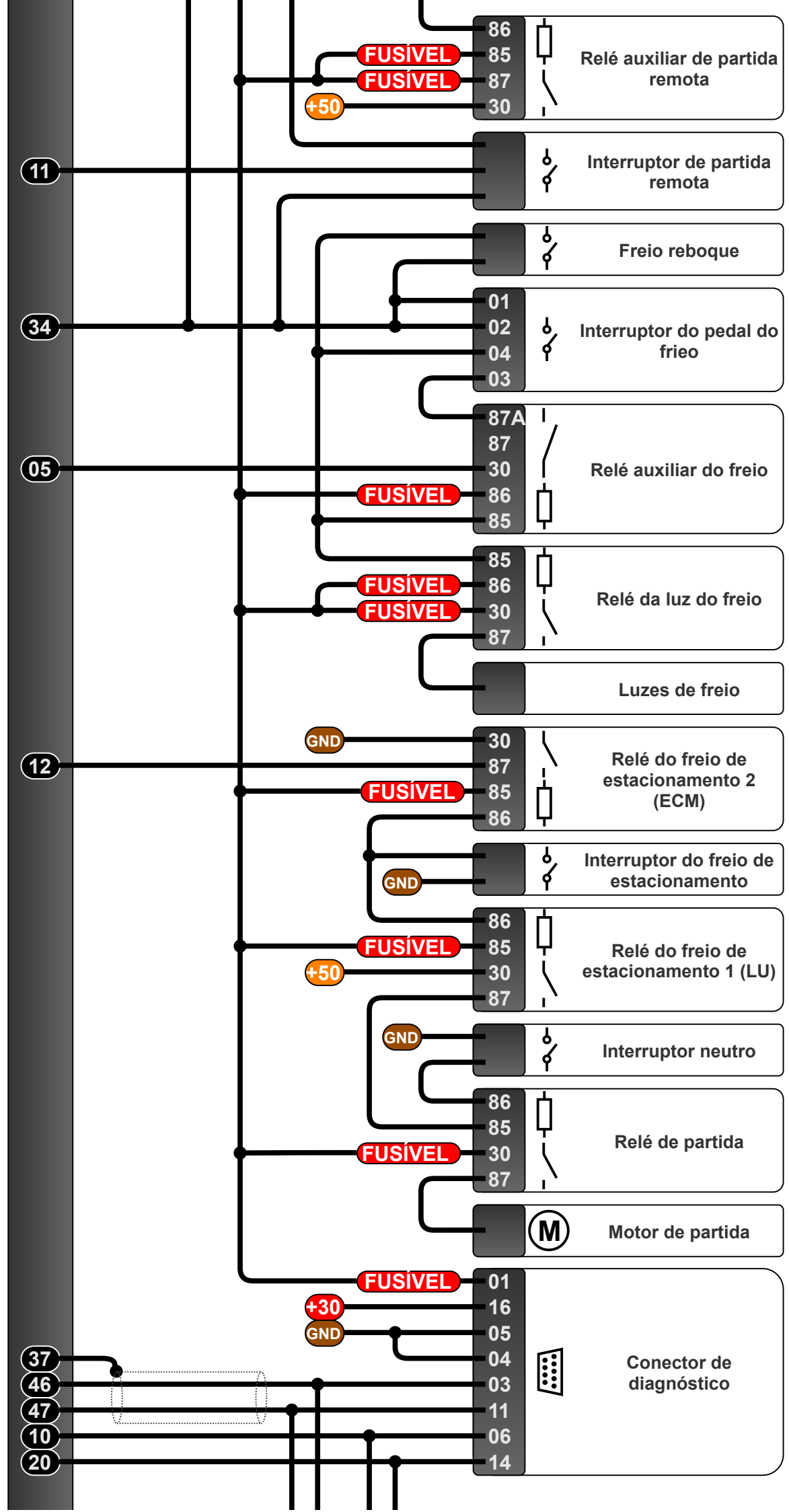
Conector B

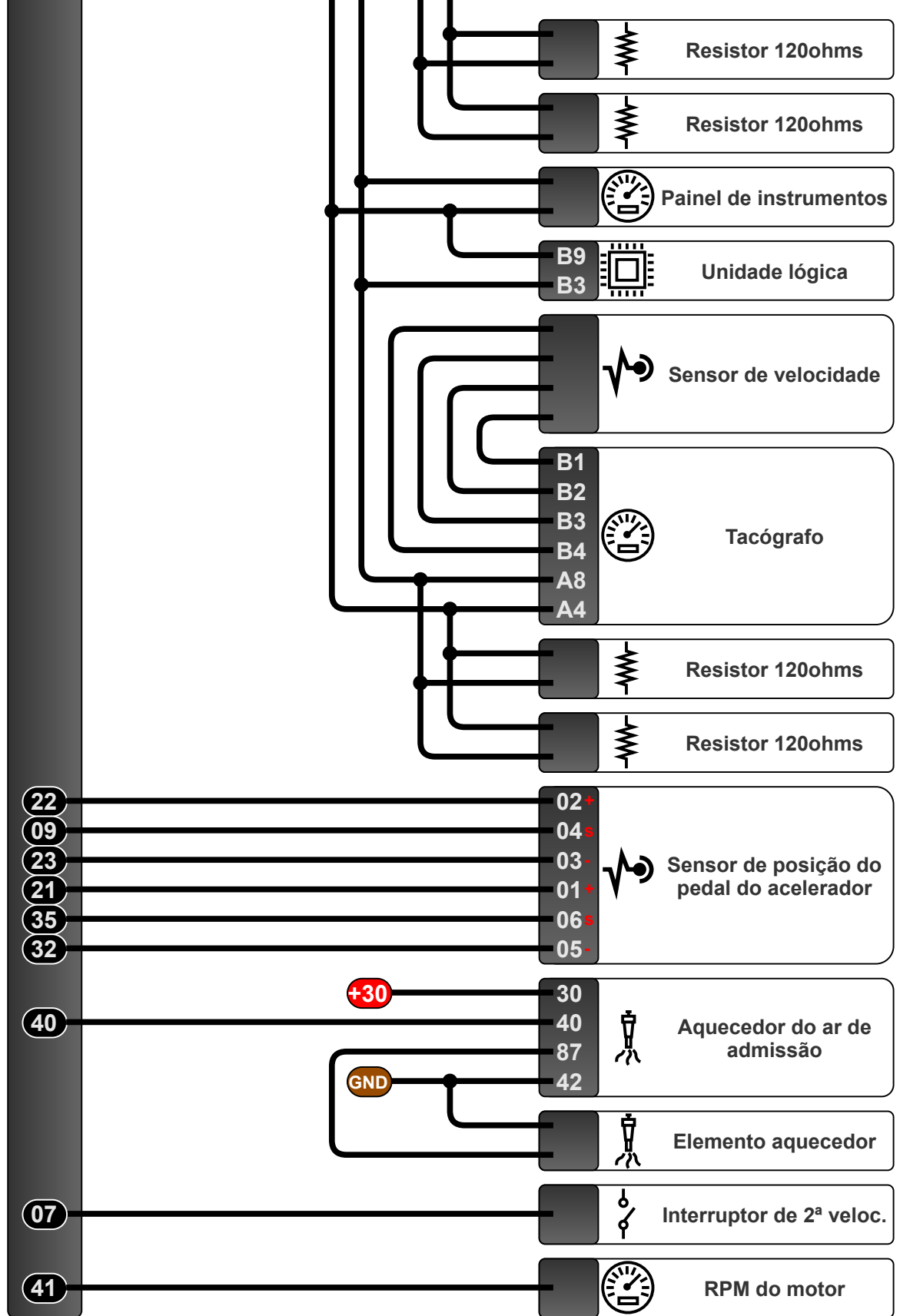




Conector c







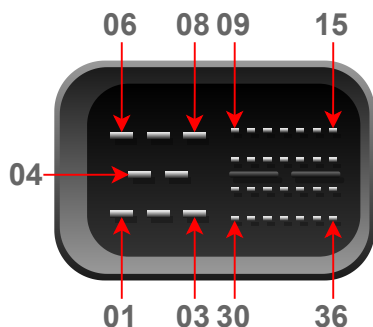
Modelos:

Constellation 17.250 5.9 (2005/2011)

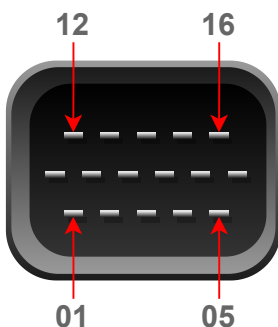
Constellation 24.250 5.9 (2005/2011)

Conectores da Central

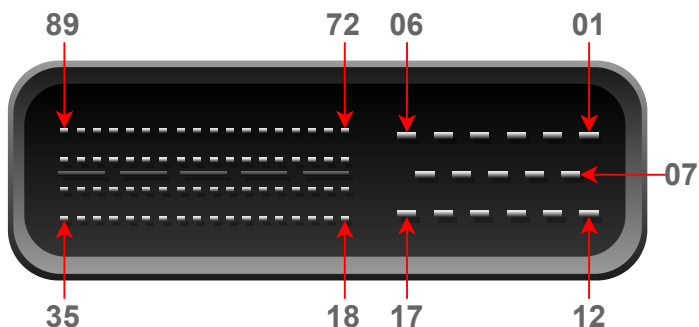
Conector C



Conector B

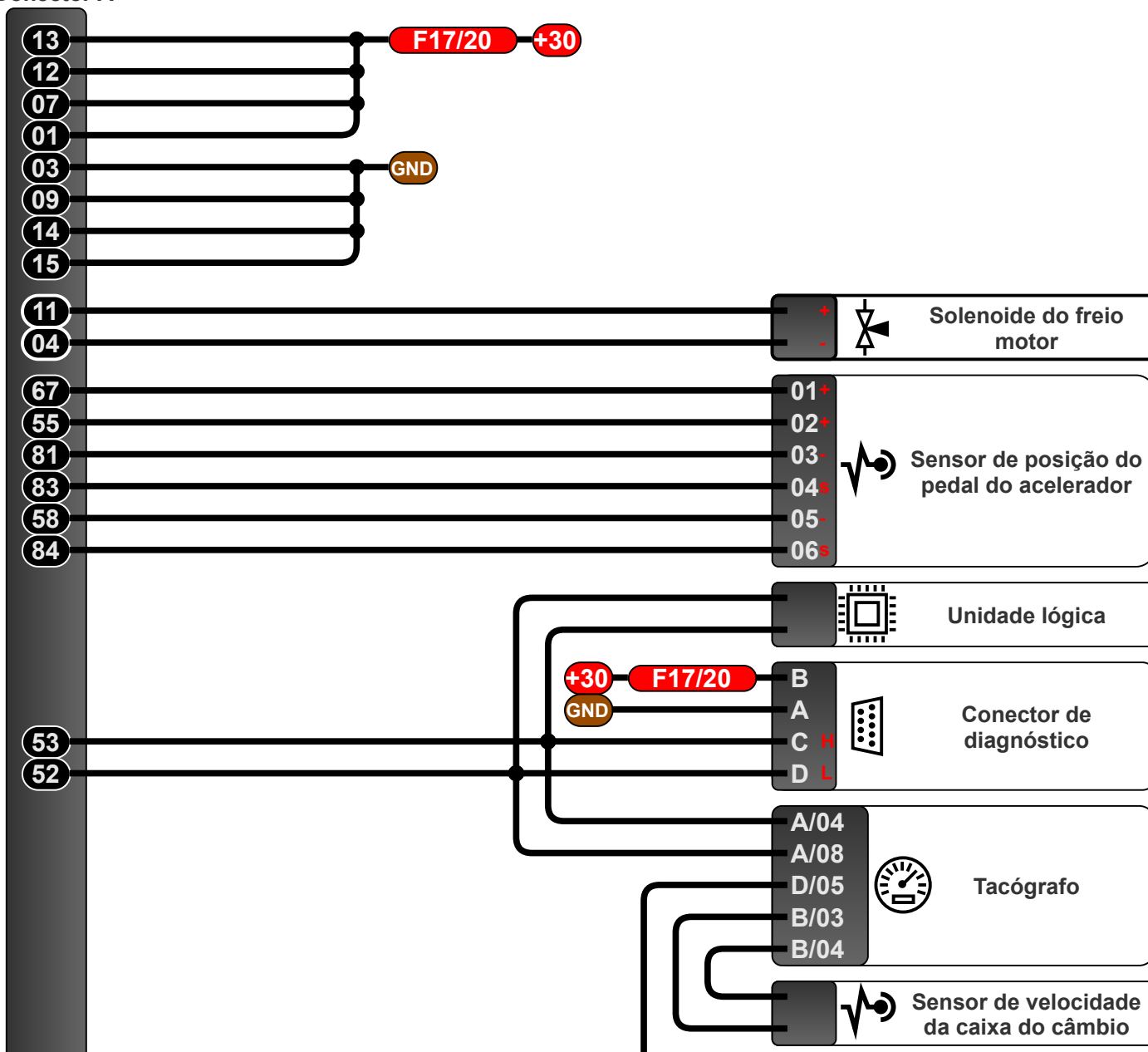


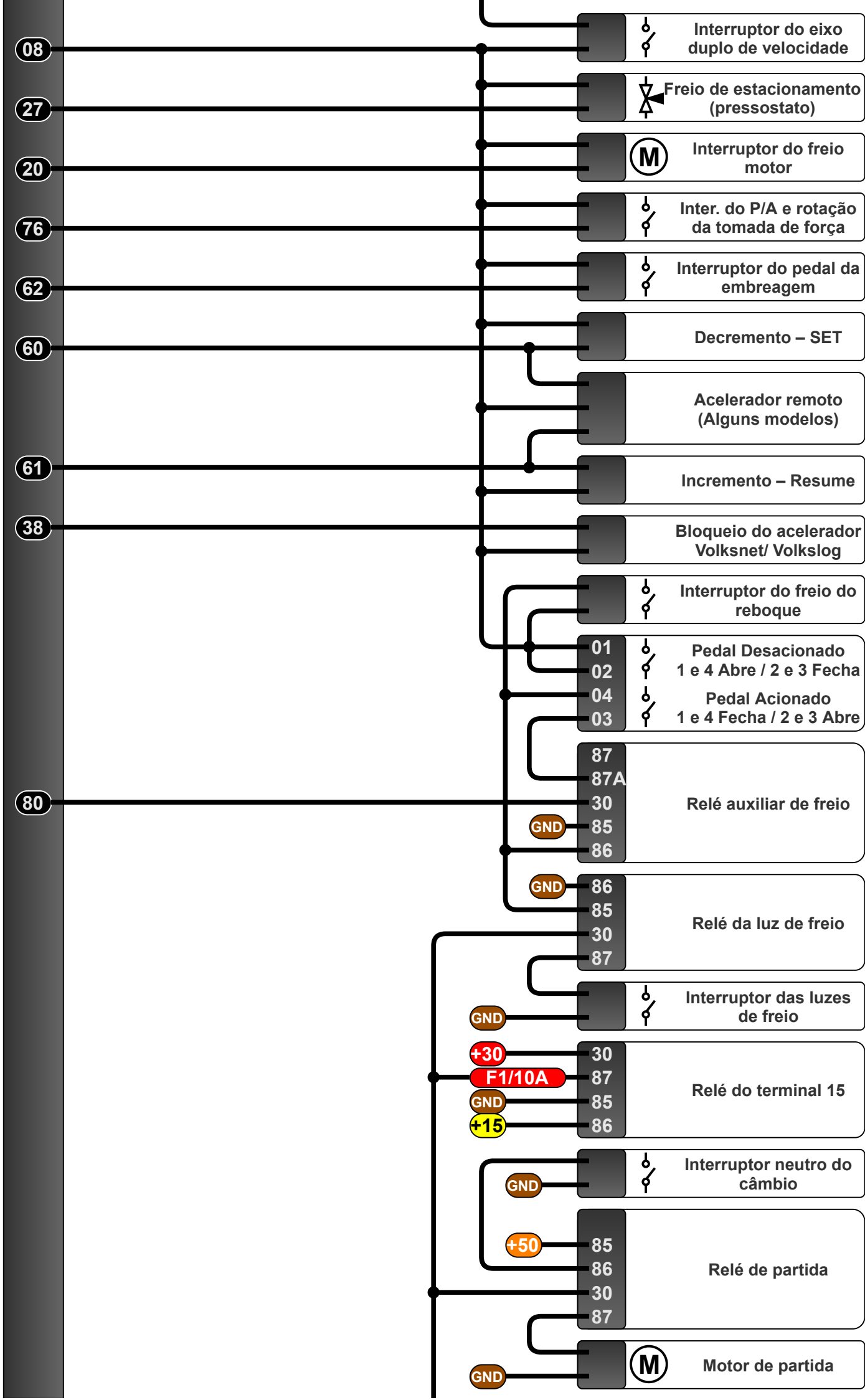
Conector A

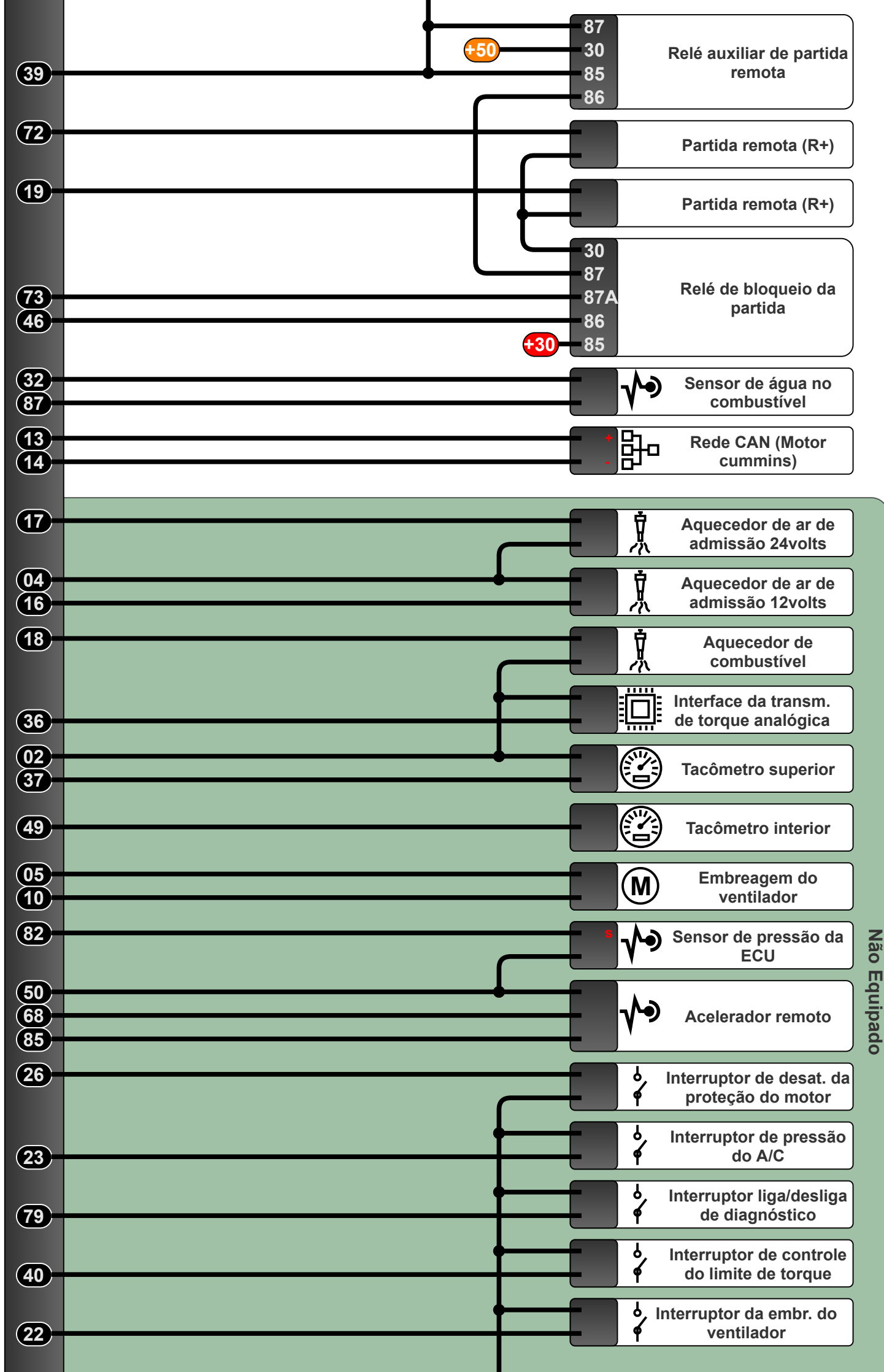


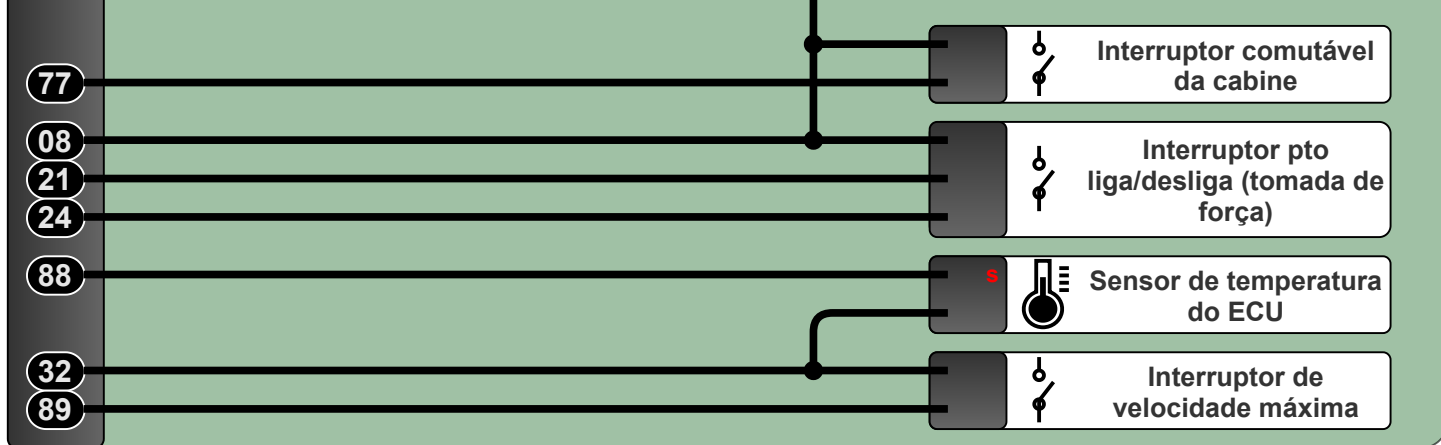
Esquema Elétrico

Conector A

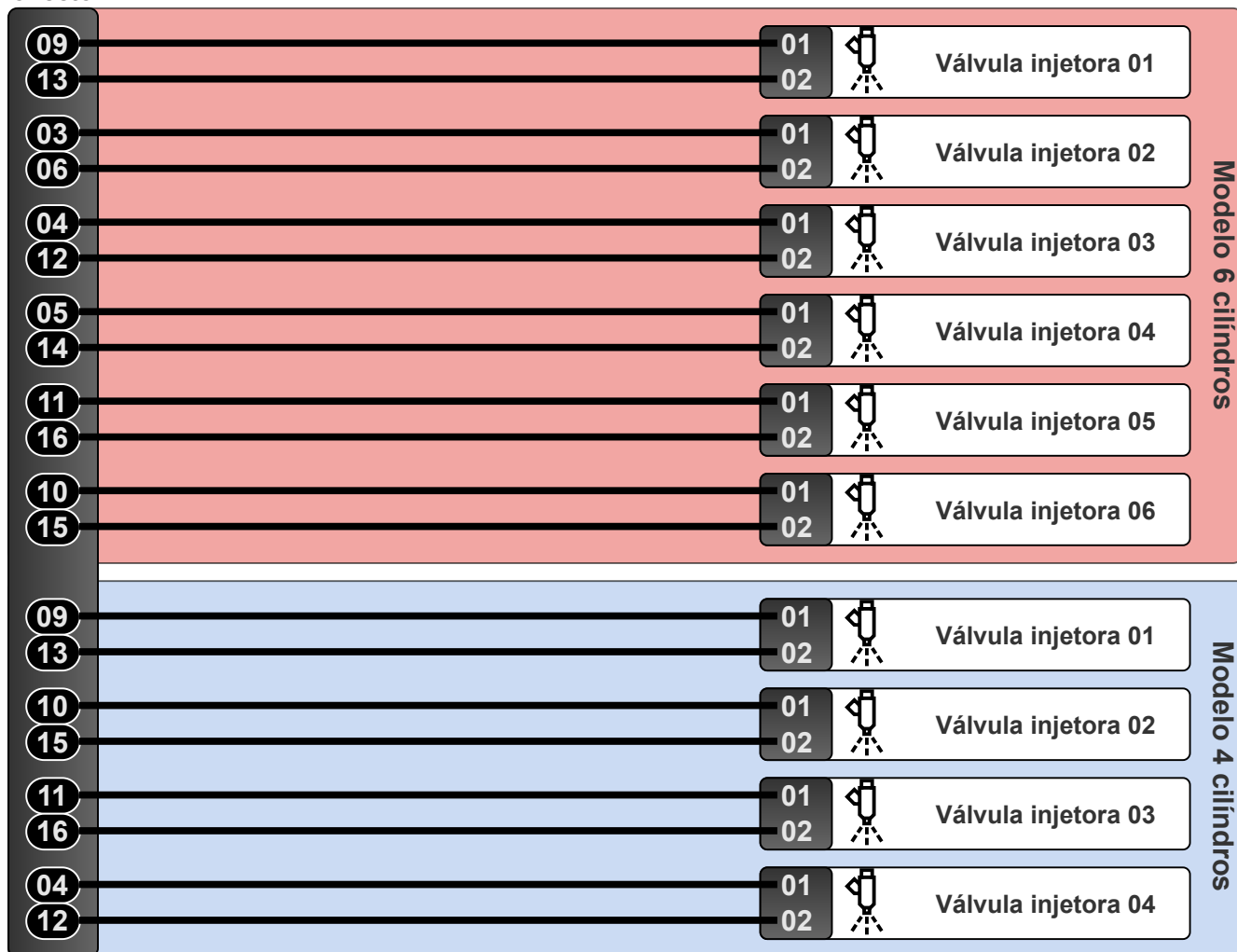






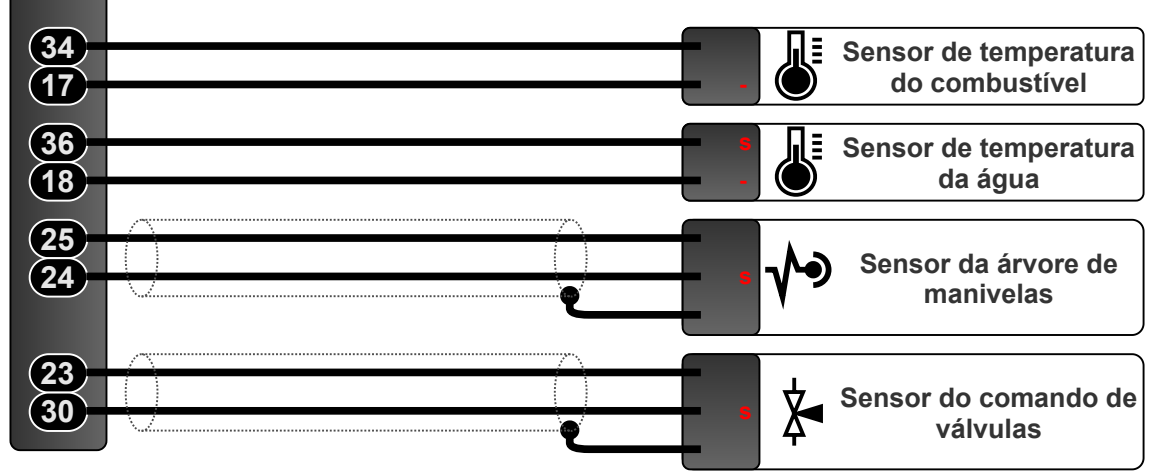


Conector B



Conector C





Modelos:

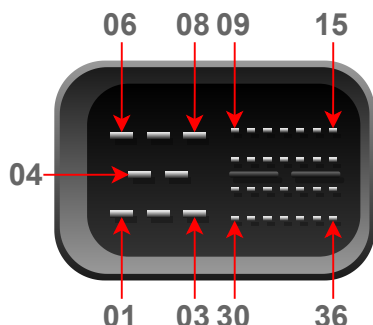
Constellation 13.190, 15.190, 17.190 (2012/...)

Volksbus 15.190, 17.230 (2012/...)

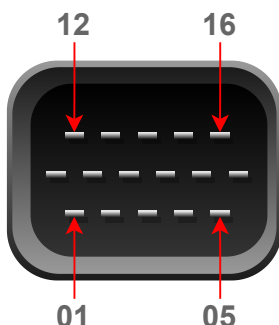
Worker 13.190, 15.190, 17.190 (2012/...)

Conectores da Central

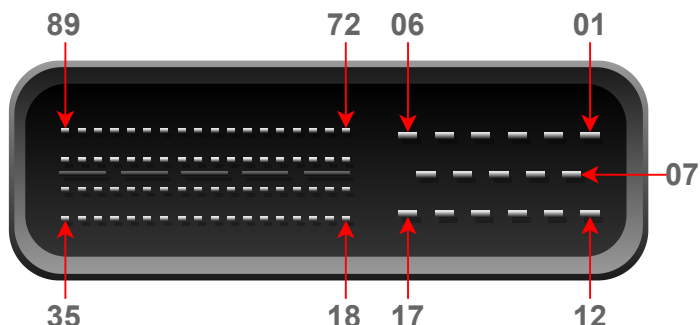
Conector C



Conector B

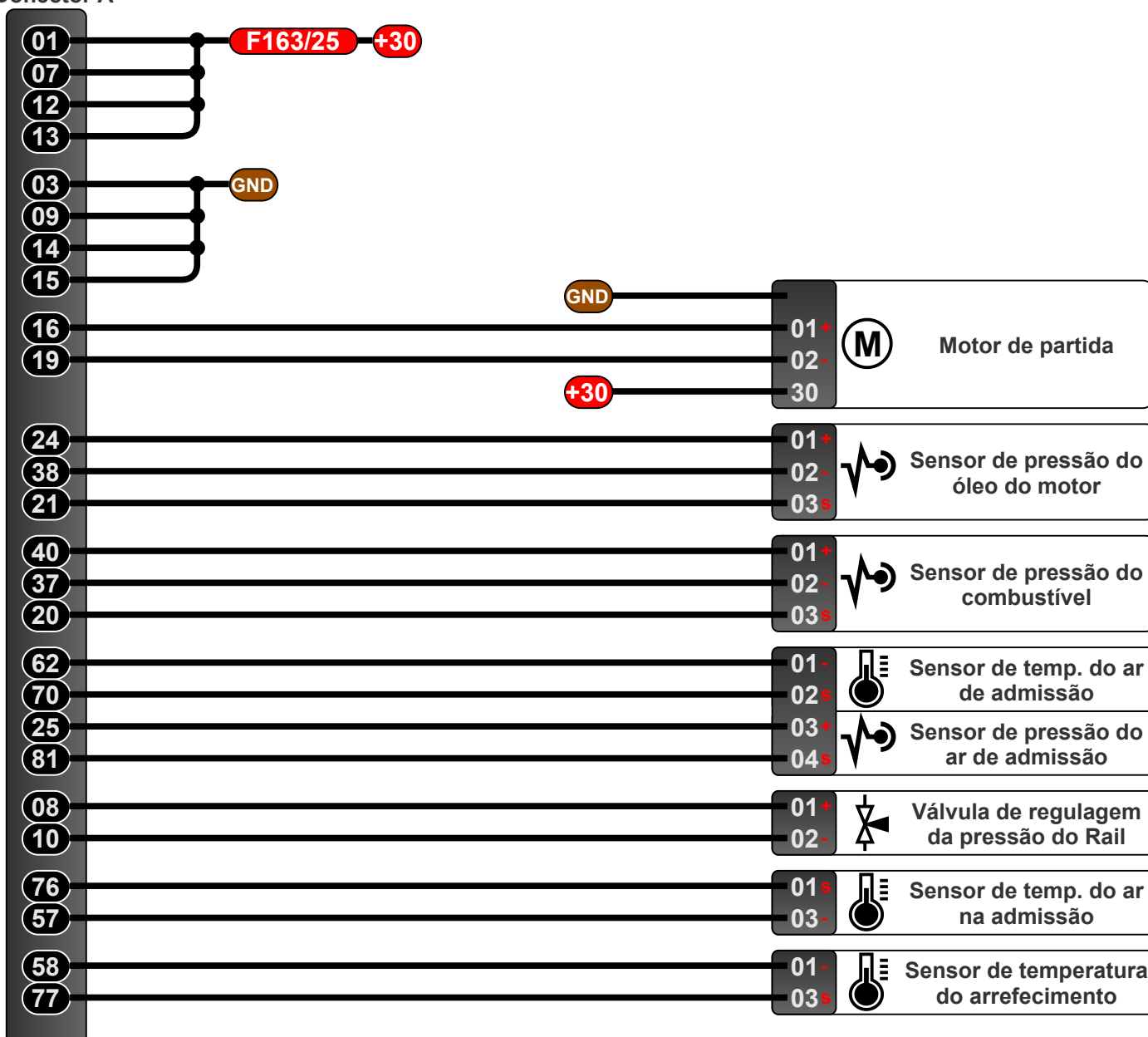


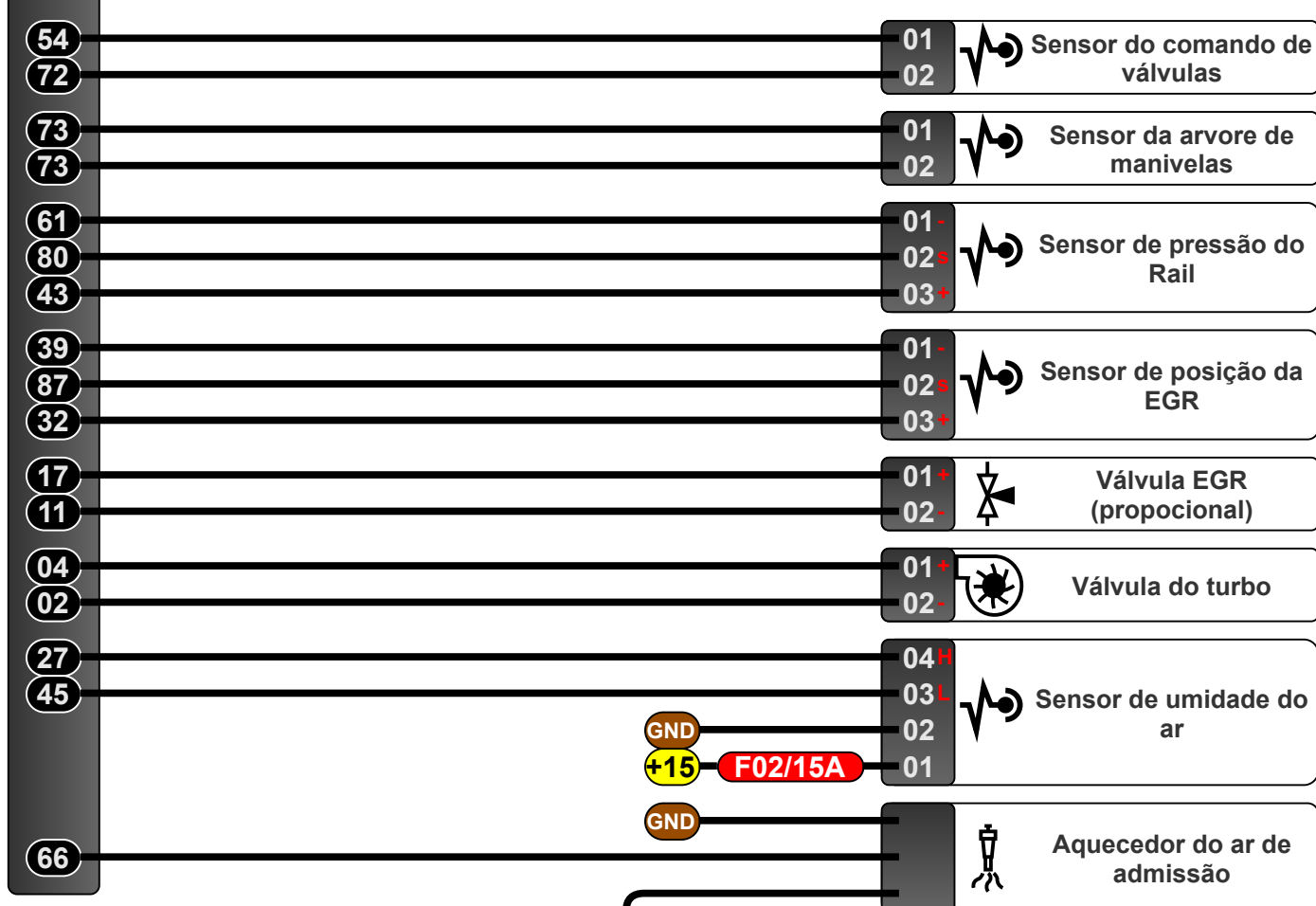
Conector A



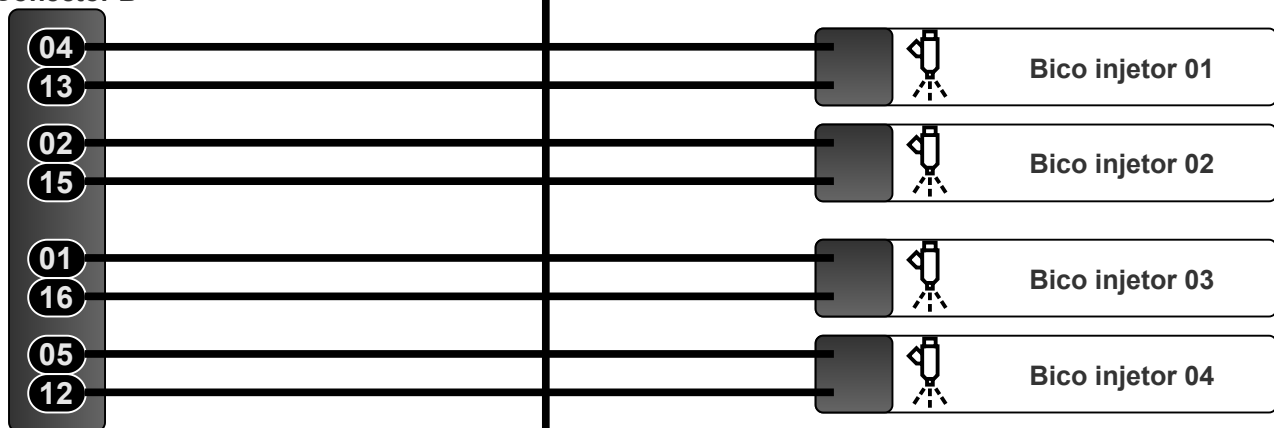
Esquema Elétrico

Conector A

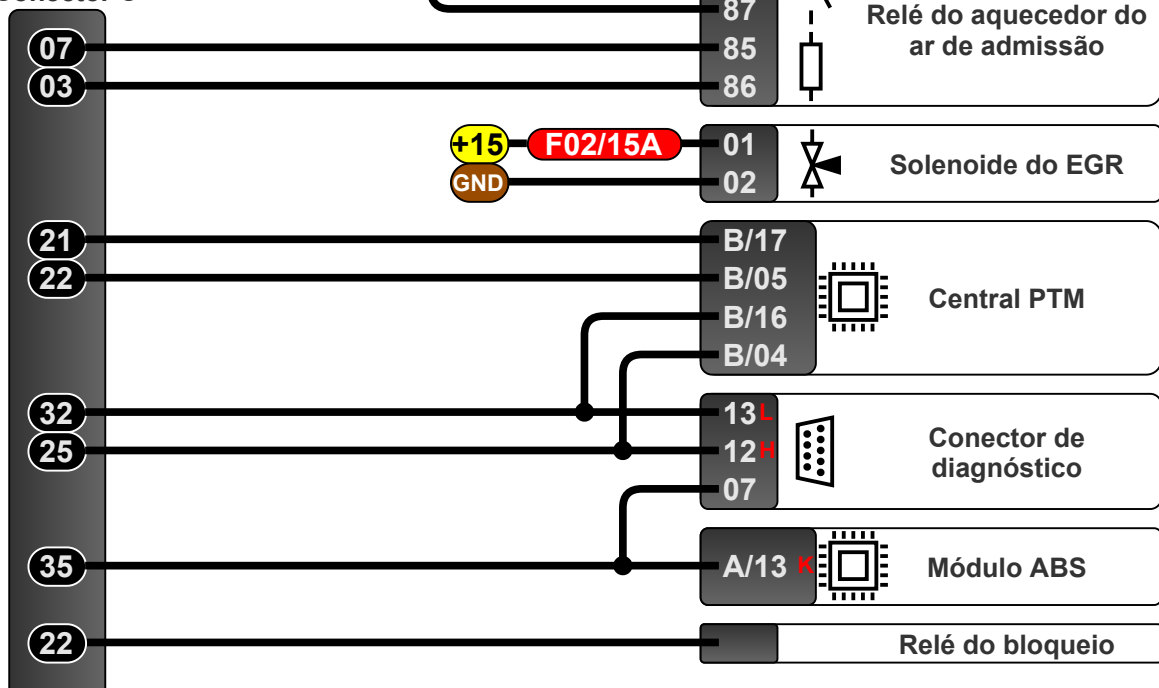


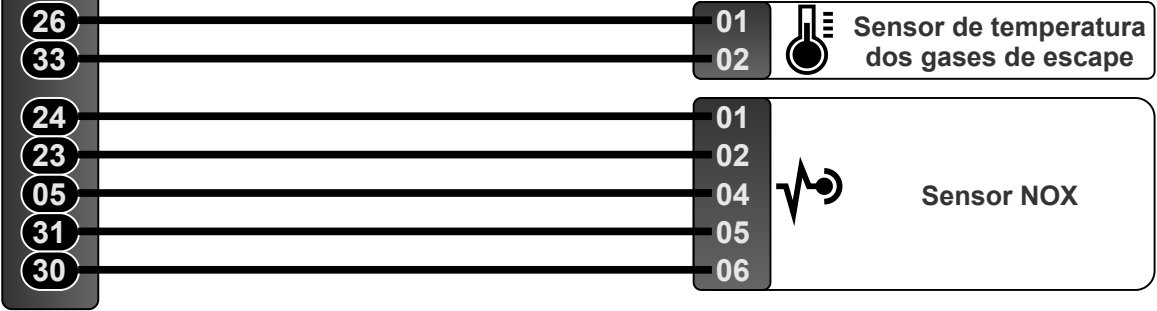


Conector B



Conector C







Modelos

B9 R - D9B (2007/...)..... 134

FM - D13A (2006/...) 134

FH - D13A (2006/...) 134

VM 220 7.2 (2012/2019)..... 137

VM 270 7.2 (2012/2019)..... 137

VM 330 7.2 (2012/2019)..... 137

 Sistema de Redução Catalítica Seletiva (SCR)..... 141

Modelos:

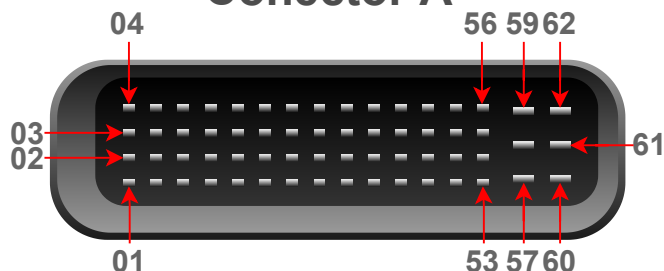
B9 R - D9B (2007/...)

FM - D13A (2006/...)

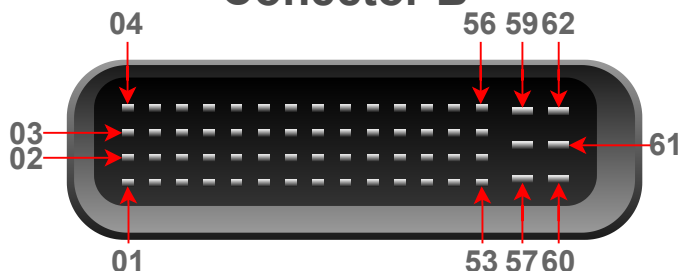
FH - D13A (2006/...)

Conectores da Central

Conector A

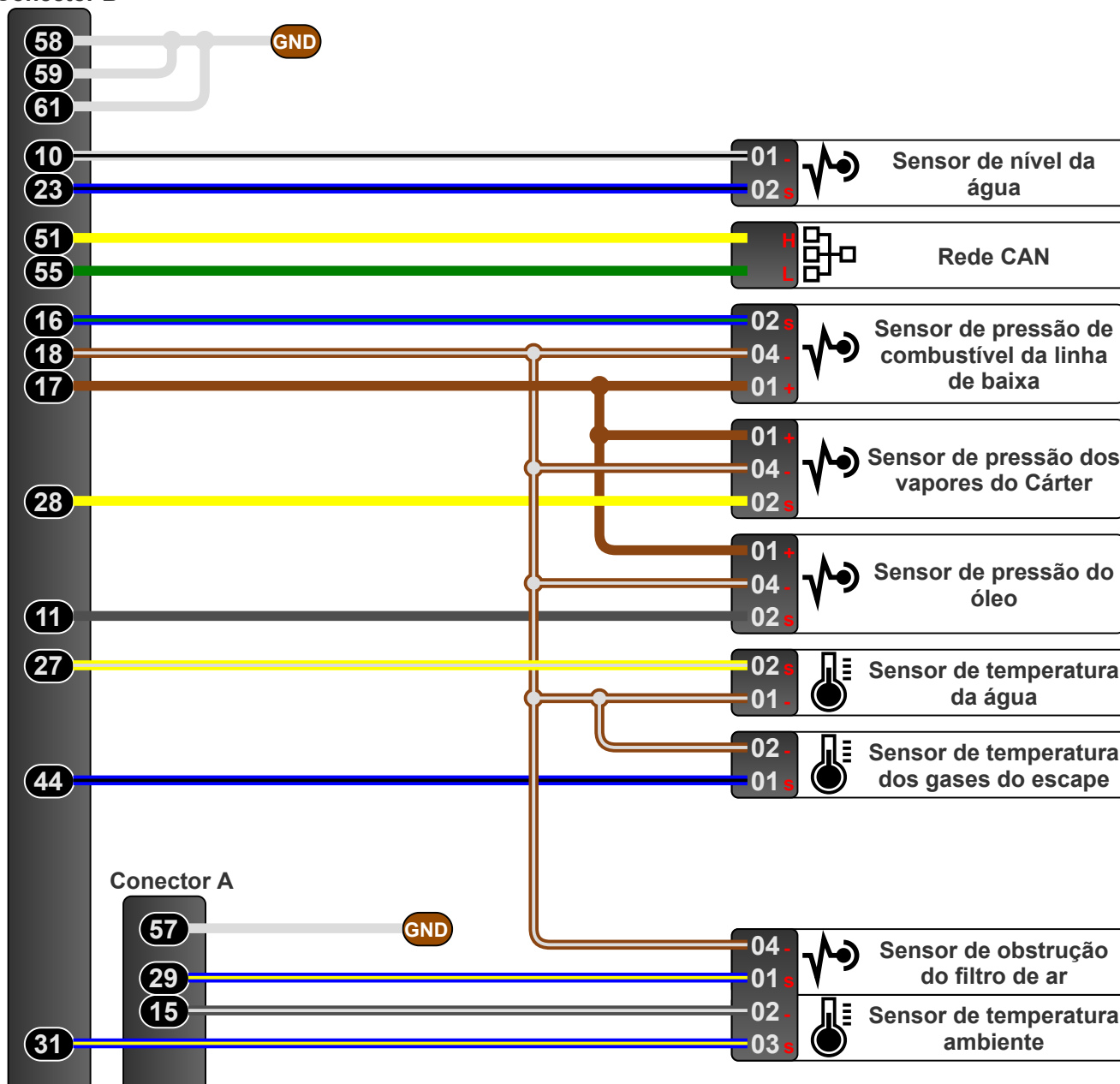


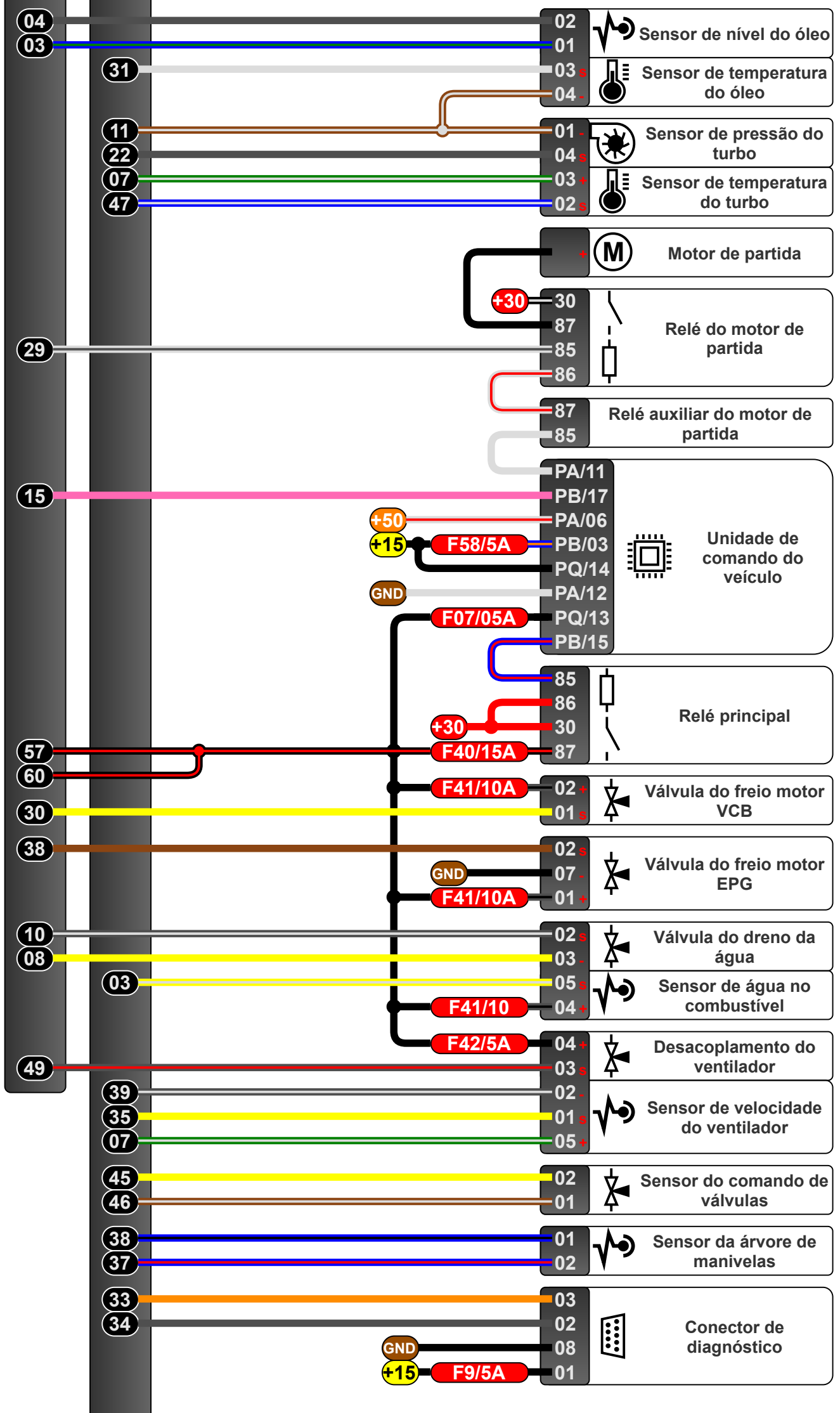
Conector B

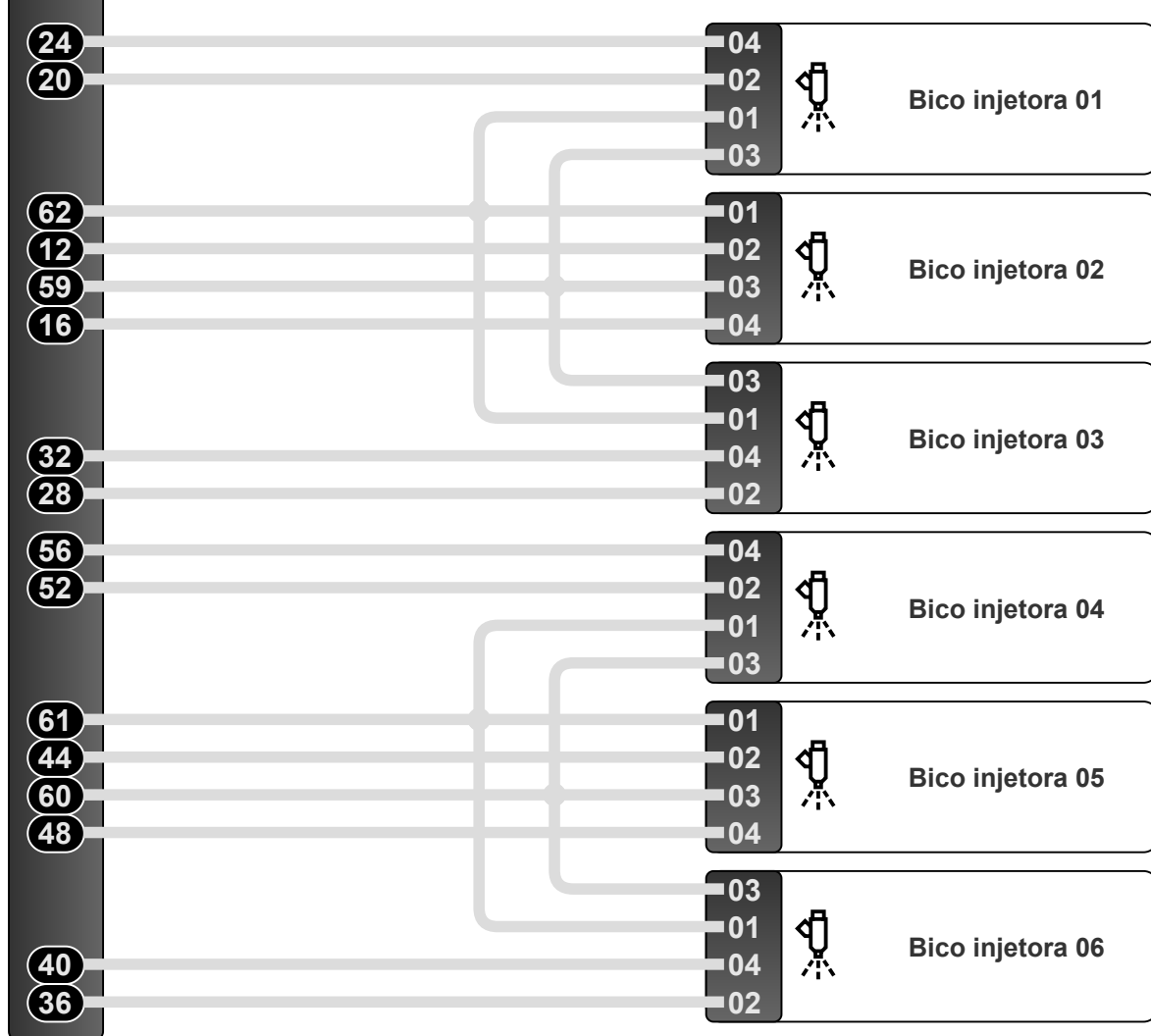


Esquema Elétrico

Conector B







Modelos:

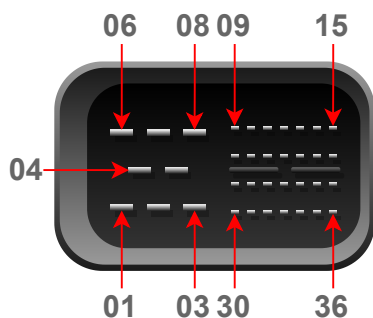
VM 220 7.2 (2012/2019)

VM 270 7.2 (2012/2019)

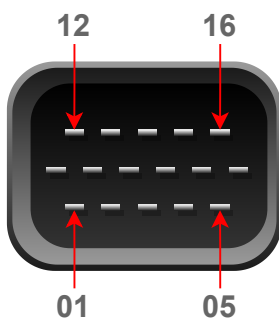
VM 330 7.2 (2012/2019)

Conectores da Central

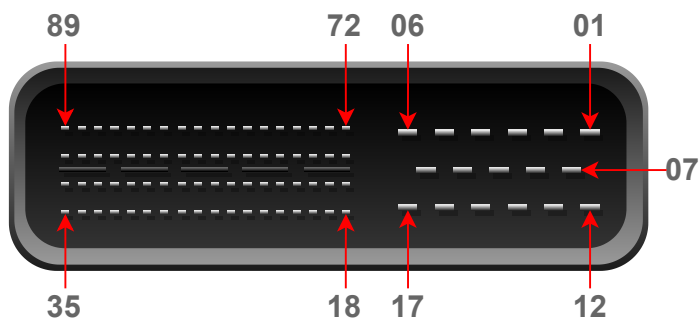
Conector C



Conector A

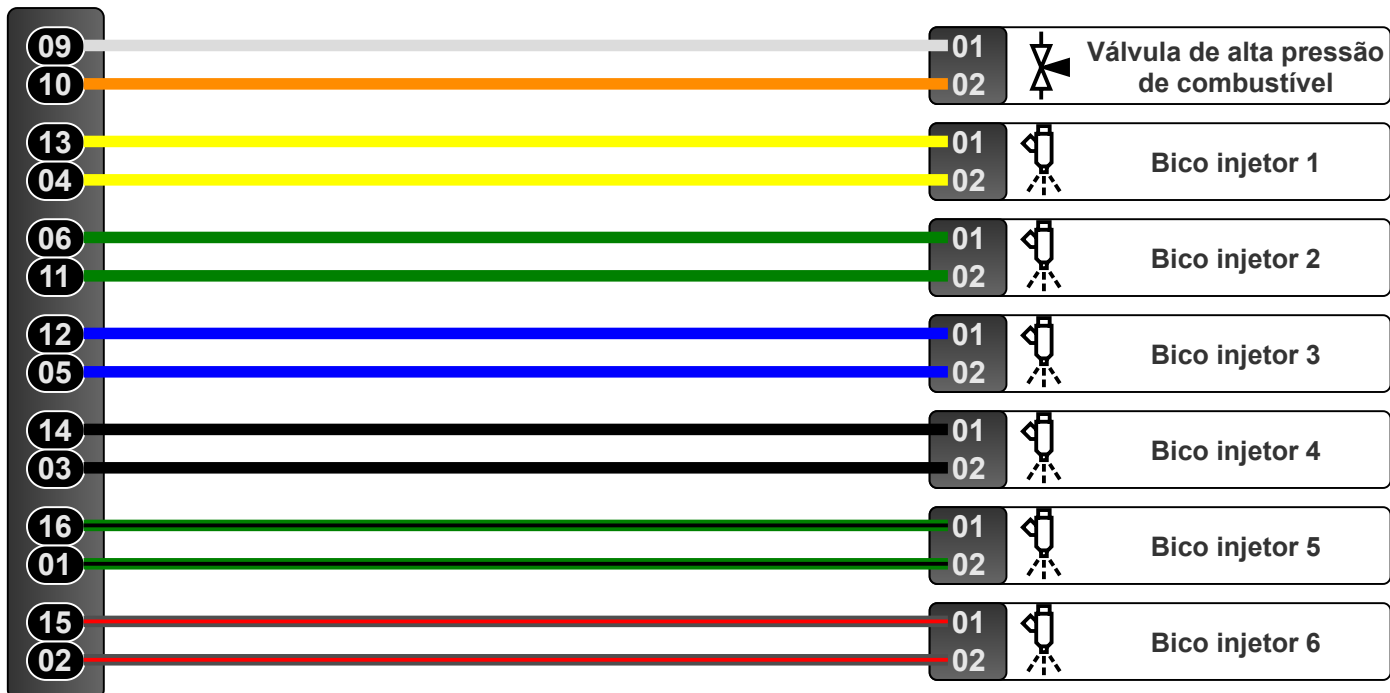


Conector B

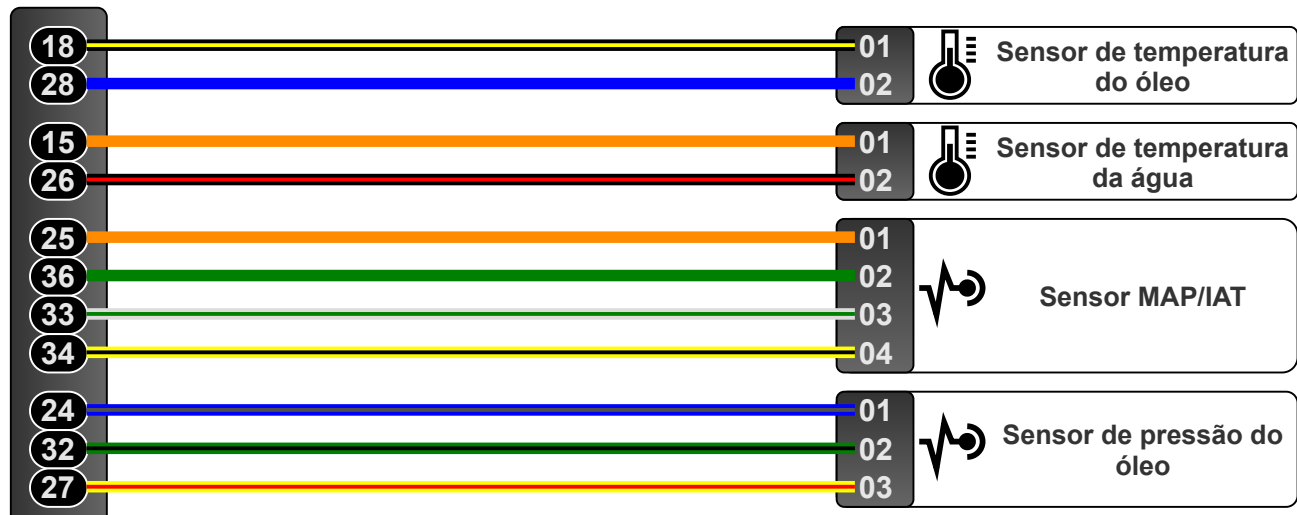


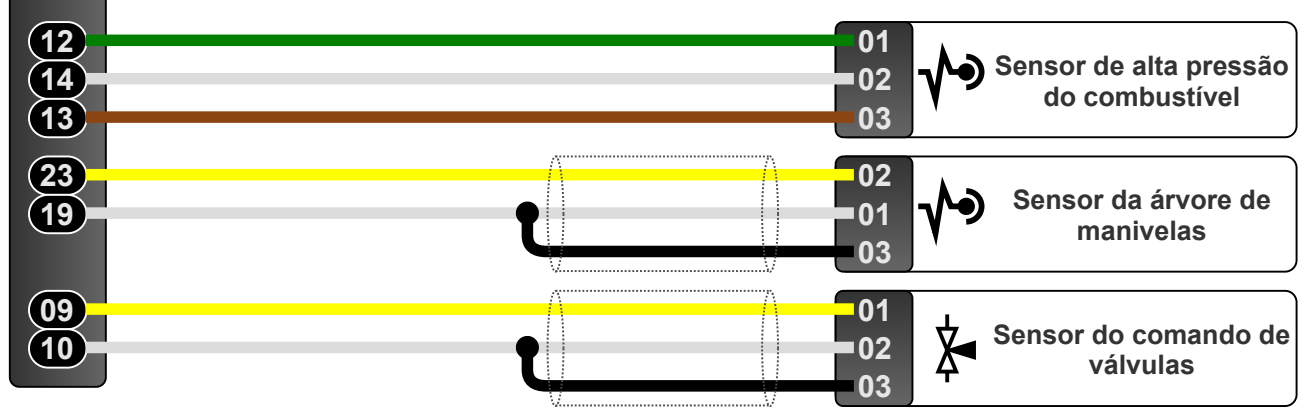
Esquema Elétrico

Conector C

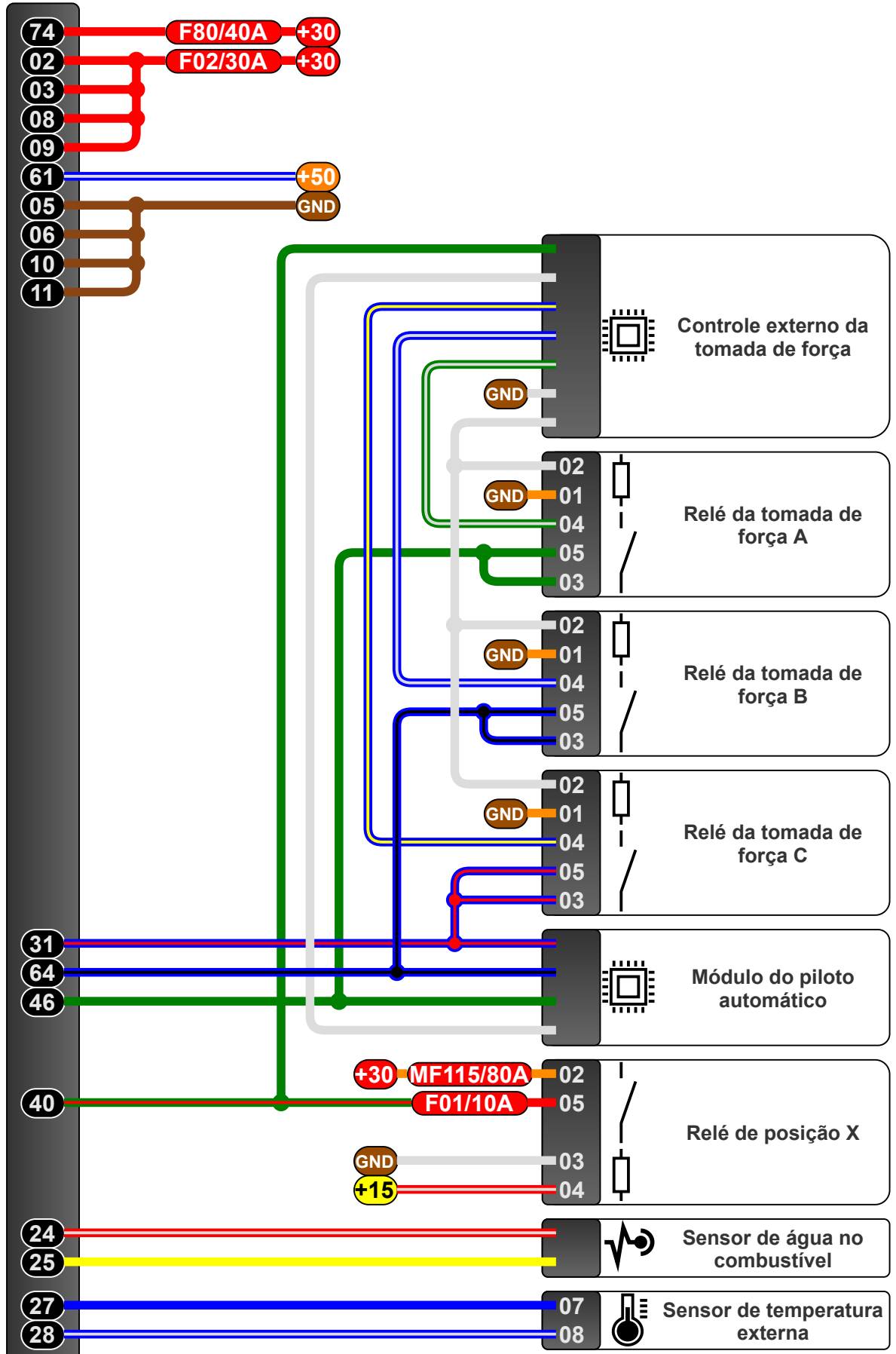


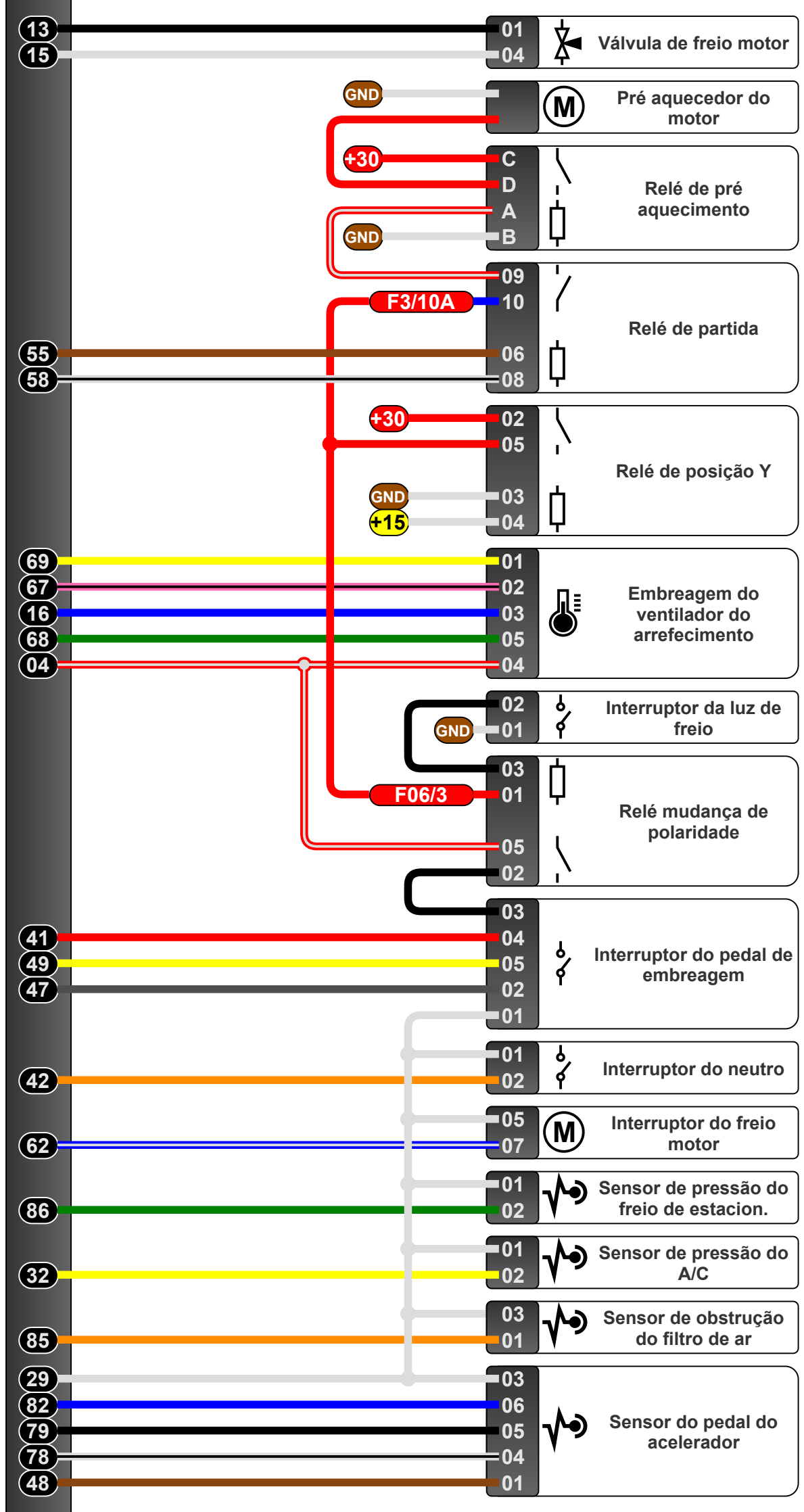
Conector B

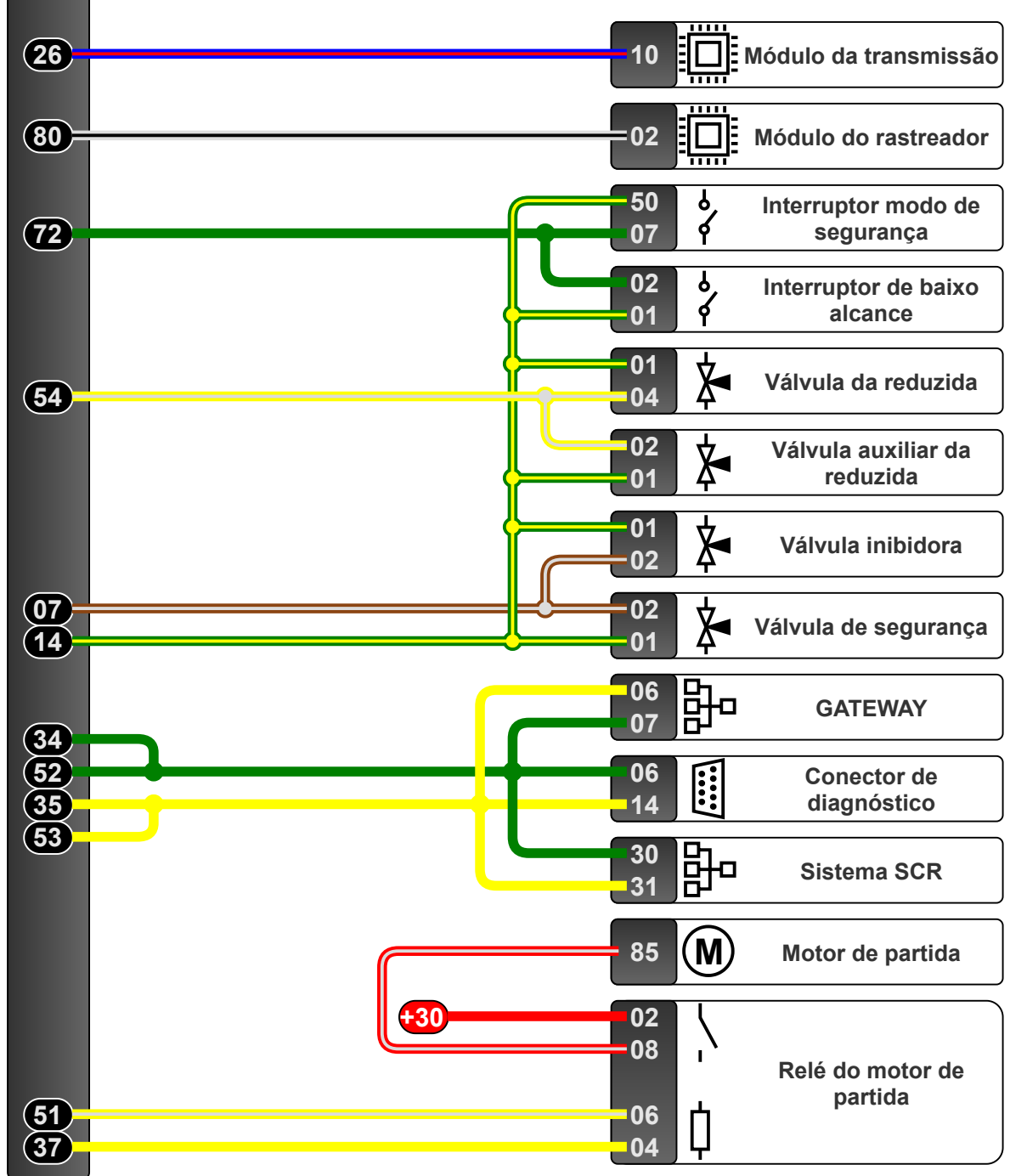




Conector A







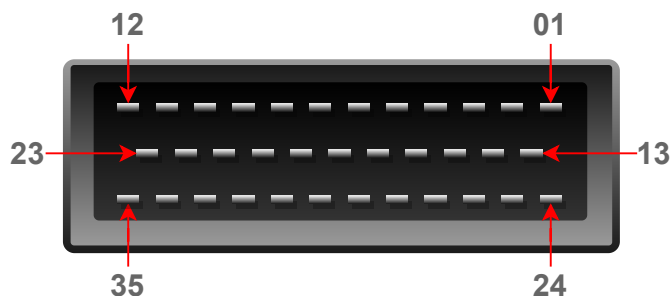
Modelos:

VM 220 7.2 (2012/2019)

VM 270 7.2 (2012/2019)

VM 330 7.2 (2012/2019)

Conector da Central



Esquema Elétrico do Sistema de Redução Catalítica Seletiva (SCR)

