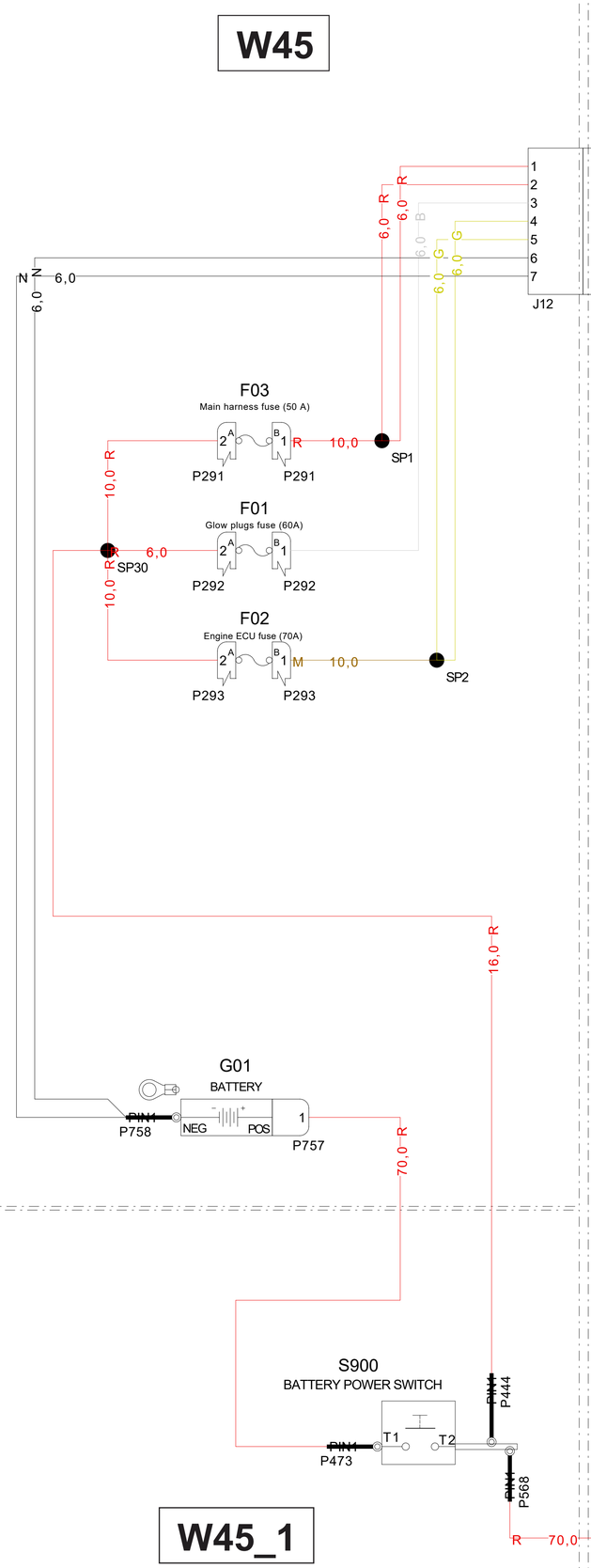
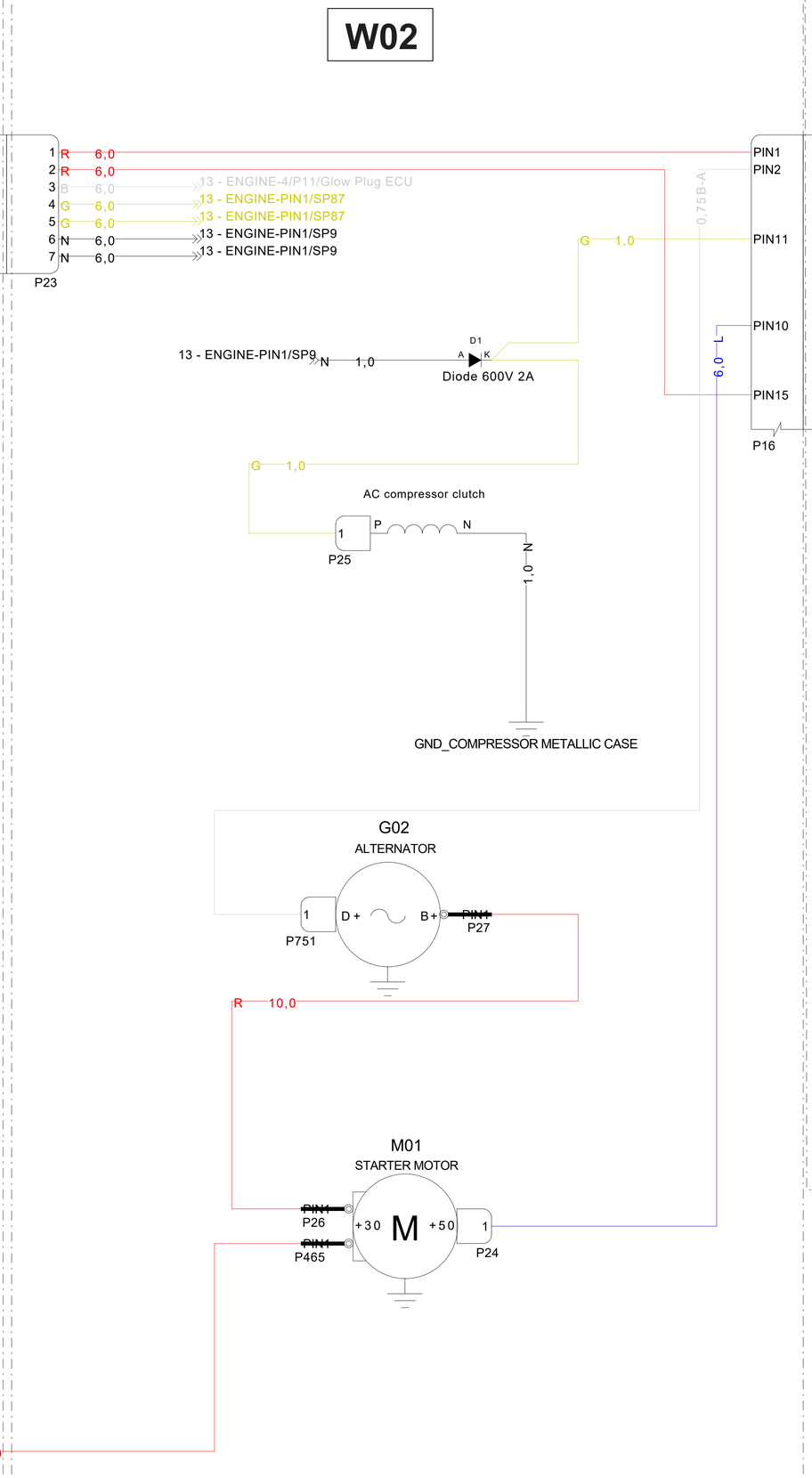
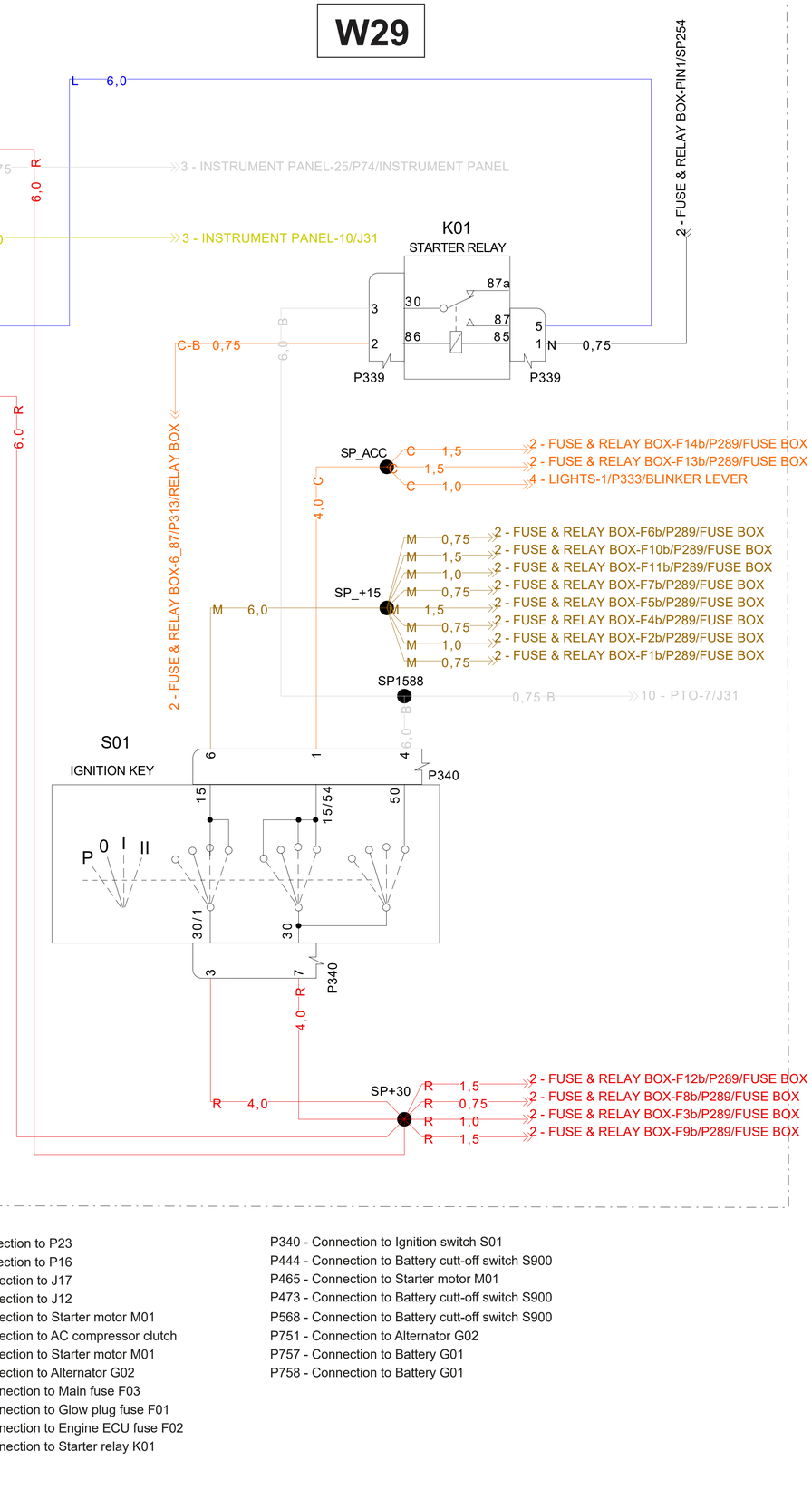
W45



W02



W29



J12 - Connection to P23
J17 - Connection to P16
P16 - Connection to J17
P23 - Connection to J12
P24 - Connection to Starter motor M01
P25 - Connection to AC compressor clutch
P26 - Connection to Starter motor M01
P27 - Connection to Alternator G02
P291 - Connection to Main fuse F03
P292 - Connection to Glow plug fuse F01
P293 - Connection to Engine ECU fuse F02
P339 - Connection to Starter relay K01
P340 - Connection to Ignition switch S01
P444 - Connection to Battery cutt-off switch S900
P465 - Connection to Starter motor M01
P473 - Connection to Battery cutt-off switch S900
P568 - Connection to Battery cutt-off switch S900
P751 - Connection to Alternator G02
P757 - Connection to Battery G01
P758 - Connection to Battery G01

W45_1

W29

FUSE BOX

4 - LIGHTS-PIN1/SP28 L-G 1,0 → F16b
4 - LIGHTS-PIN1/SP28 L-G 1,0 → F15b
1 - POWER SUPPLY-PIN1/SP_ACC C 1,5 → F14b
1 - POWER SUPPLY-PIN1/SP_ACC C 1,5 → F13b
1 - POWER SUPPLY-PIN1/SP+30 R 1,5 → F12b
1 - POWER SUPPLY-PIN1/SP_+15 M 1,0 → F11b
1 - POWER SUPPLY-PIN1/SP_+15 M 1,5 → F10b
1 - POWER SUPPLY-PIN1/SP+30 R 1,5 → F9b
1 - POWER SUPPLY-PIN1/SP+30 R 0,75 → F8b
1 - POWER SUPPLY-PIN1/SP_+15 M 0,75 → F7b
1 - POWER SUPPLY-PIN1/SP_+15 M 0,75 → F6b
1 - POWER SUPPLY-PIN1/SP_+15 M 1,5 → F5b
1 - POWER SUPPLY-PIN1/SP_+15 M 0,75 → F4b
1 - POWER SUPPLY-PIN1/SP+30 R 1,0 → F3b
1 - POWER SUPPLY-PIN1/SP_+15 M 1,0 → F2b
1 - POWER SUPPLY-PIN1/SP_+15 M 0,75 → F1b

F16 F15 F14 F13 F12 F11 F10 F9 F8 F7 F6 F5 F4 F3 F2 F1

F16a G-N 1,0 → 4 - LIGHTS-2/J33
F15a G 1,0 → 4 - LIGHTS-PIN1/SP252
F14a
F13a H-L 1,5
F12a M-R 1,5 → 4 - LIGHTS-3/P327/HAZARD SWITCH
F11a Z-N 1,0 → 4 - LIGHTS-PIN1/SP38
F10a L 1,5 → 3 - INSTRUMENT PANEL-1/P685
F9a S-N 1,5 → 6 - BEACON LIGHT-14/J33
F9a S-N 1,0
F8a Z-R 0,75 → 9 - POWER REVERSER-28/J31
F8a Z-R 0,75 → 3 - INSTRUMENT PANEL-21/P74/INSTRUMENT PANEL
F8a Z-R 0,75 → 3 - INSTRUMENT PANEL-1/P74/INSTRUMENT PANEL
F7a G-R 0,75 → 9 - POWER REVERSER-PIN1/SP226
F6a C-N 0,75
F5a G-V 1,5 → SP555 → G-V 1,5 → 12 - THROTTLES-18/J33
F4a A-B 0,75 → 12 - THROTTLES-12/J33
F3a R-V 1,0 → 8 - POWER SOCKET-11/J33
F2a L-V 1,0 → 8 - POWER SOCKET-22/J33
F1a

P289 P289

0,75 B-R

RELAY BOX

K7 7_30 7_86 7_87a 7_87 7_85
K6 6_30 6_86 6_87a 6_87 6_85
K5 5_30 5_86 5_87a 5_87 5_85
K4 4_30 4_86 4_87a 4_87 4_85
K3 3_30 3_86 3_87a 3_87 3_85
K2 2_30 2_86 2_87a 2_87 2_85
K1 1_30 1_86 1_87a 1_87 1_85

P313 P313

4 - LIGHTS-3/P612/H3 WORK LIGHT SWITCH S-H 0,75 → 7_30
3 - INSTRUMENT PANEL-48/P74/INSTRUMENT PANEL C 0,75 → 6_30
12 - THROTTLES-31/J31 C 0,75 → 6_30
10 - PTO-19/J33 R-L 0,75 → 6_86
3 - INSTRUMENT PANEL-23/P74/INSTRUMENT PANEL V 0,5 → 5_30
3 - INSTRUMENT PANEL-3/P74/INSTRUMENT PANEL H 0,5 → 4_30
4 - LIGHTS-3/P298/H4 WORK LIGHT SWITCH N-Z 0,75 → 4_86
1,5 V-N
H-N
N-Z 0,75
0,75 C-N
V-B 1,5 → 2_30
4 - LIGHTS-6/P333/BLINKER LEVER V-S 0,75 → 2_86
4 - LIGHTS-5/P333/BLINKER LEVER H-R 0,75 → 1_86

7_87 H-G 1,5 → 5 - BONNET-PIN1/SP1527
6_87 C-B 0,75 → 1 - POWER SUPPLY-2/P339/STARTER RELAY
6_85 B-Z 0,75 → 10 - PTO-10/J33
D6 NEUTRAL_CREEPER_DIODE 1N4007 1A
5_87a V 1,5 → 5 - BONNET-PIN1/SP59
V-G 1,0 → 5 - BONNET-6/J33
5_87 V-G 1,0 → 5 - BONNET-5/J33
4_87a H 1,5 → 5 - BONNET-PIN1/SP60
4_87 H-G 1,5 → 5 - BONNET-PIN1/SP1527
3_87a C-V 0,75 → 11 - VFR MR-30/J31
3_87 A-N 0,5 → 11 - VFR MR-1/P314/VFR WARNING LIGHT
3_85 A-N 0,5 → 7 - 4WD & D/L-17/J33
D5 M-L 0,5 → 3 - INSTRUMENT PANEL-69/P74/INSTRUMENT PANEL
M-L 0,5
2_87a
2_87
2_85
1_87a
1_87
1_85

0,5 N
0,5 N
0,5 N
0,5 N
0,5 N

N 1,5 → PIN1 PIN2 P481

SP65
C-N 0,75
C-N 0,75 → 12 - THROTTLES-20/J33
C-N 0,5 → 11 - VFR MR-3/P314/VFR WARNING LIGHT

SP254
N N N N N N N N N
0,75 N

1 - POWER SUPPLY-1/P339/STARTER RELAY N 0,75
4 - LIGHTS-7/P298/H4 WORK LIGHT SWITCH N 0,5
5 - BONNET-F/J40 N 1,0
5 - BONNET-G/J40 N 1,0
3 - INSTRUMENT PANEL-2/P322/BUTTON 2 N 0,5
4 - LIGHTS-1/P326/FLASHER UNIT N 1,0
11 - VFR MR-4/P314/VFR WARNING LIGHT N 0,5
3 - INSTRUMENT PANEL-PIN1/SP297

N 0,5 → 4 - LIGHTS-10/P327/HAZARD SWITCH
N 0,5 → 3 - INSTRUMENT PANEL-2/P321/BUTTON 1
N 0,75 → 3 - INSTRUMENT PANEL-40/P74/INSTRUMENT PANEL
N 1,5 → 10 - PTO-3/P431
N 1,0 → 5 - BONNET-C/J40
4 - LIGHTS-7/P612/H3 WORK LIGHT SWITCH
9 - POWER REVERSER-1/P368/CALIBRATION HIDDEN BUTTON
9 - POWER REVERSER-1/P372/CLUTCH PEDAL POSITION SENSOR
9 - POWER REVERSER-5/P369/FNR LEVER

C-N 0,75
N 6,0
G-V 1,5

5 7 16 J17

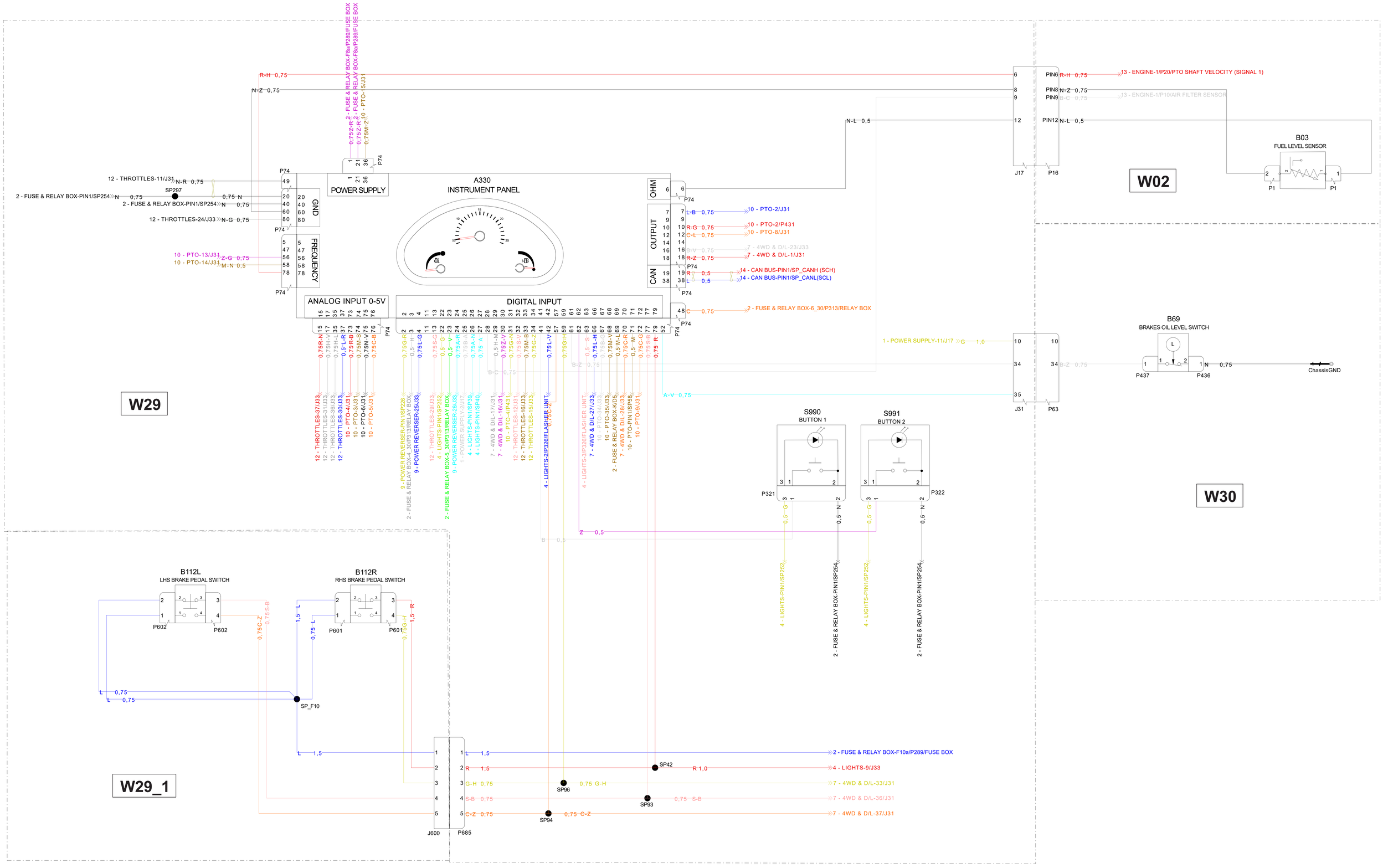
PIN5 PIN7 PIN16 P16

0,75C-N N 6,0 0,75B-R

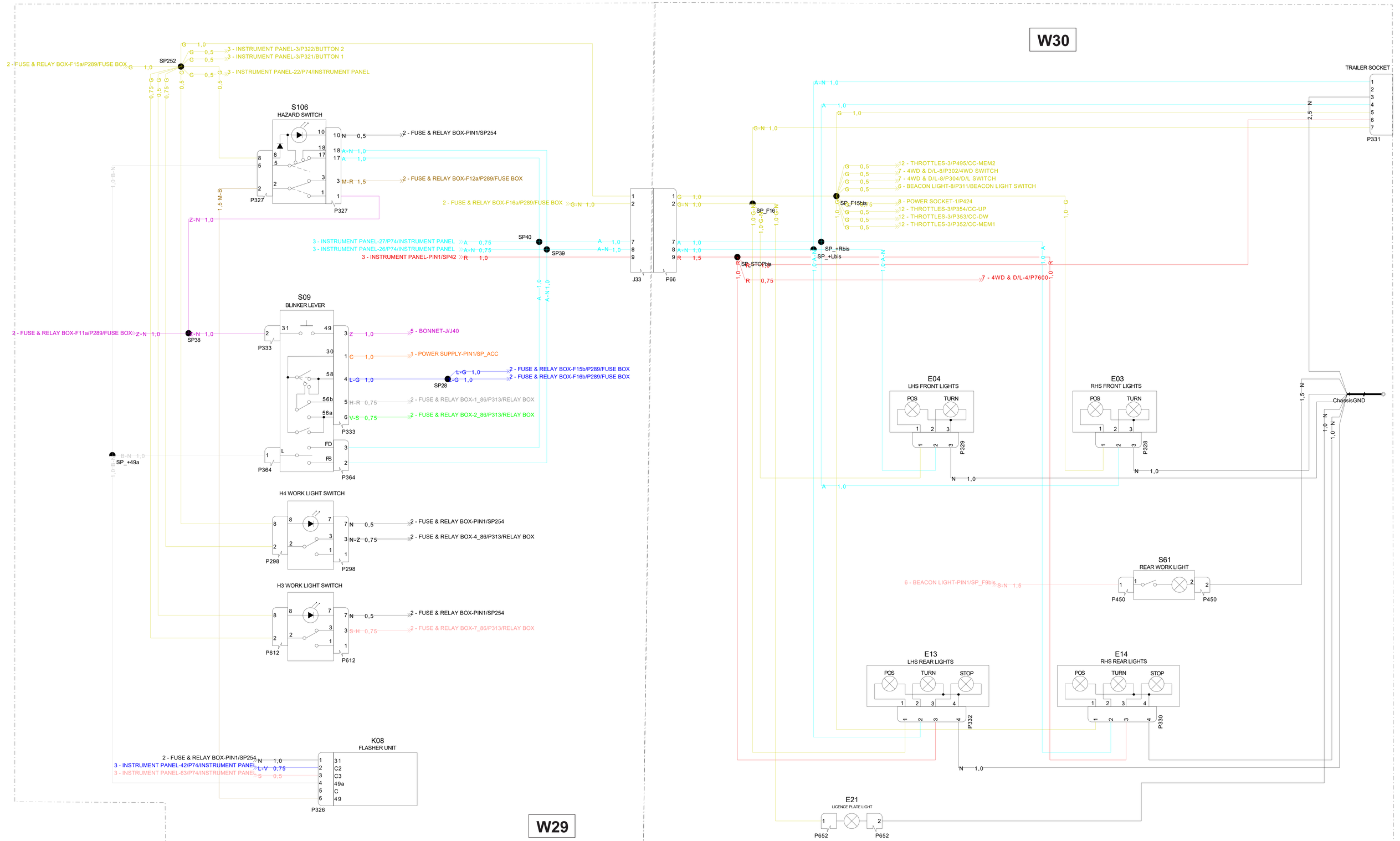
13 - ENGINE-PIN1/SP4
13 - ENGINE-PIN1/SP9
13 - ENGINE-PIN1/SP90

W02

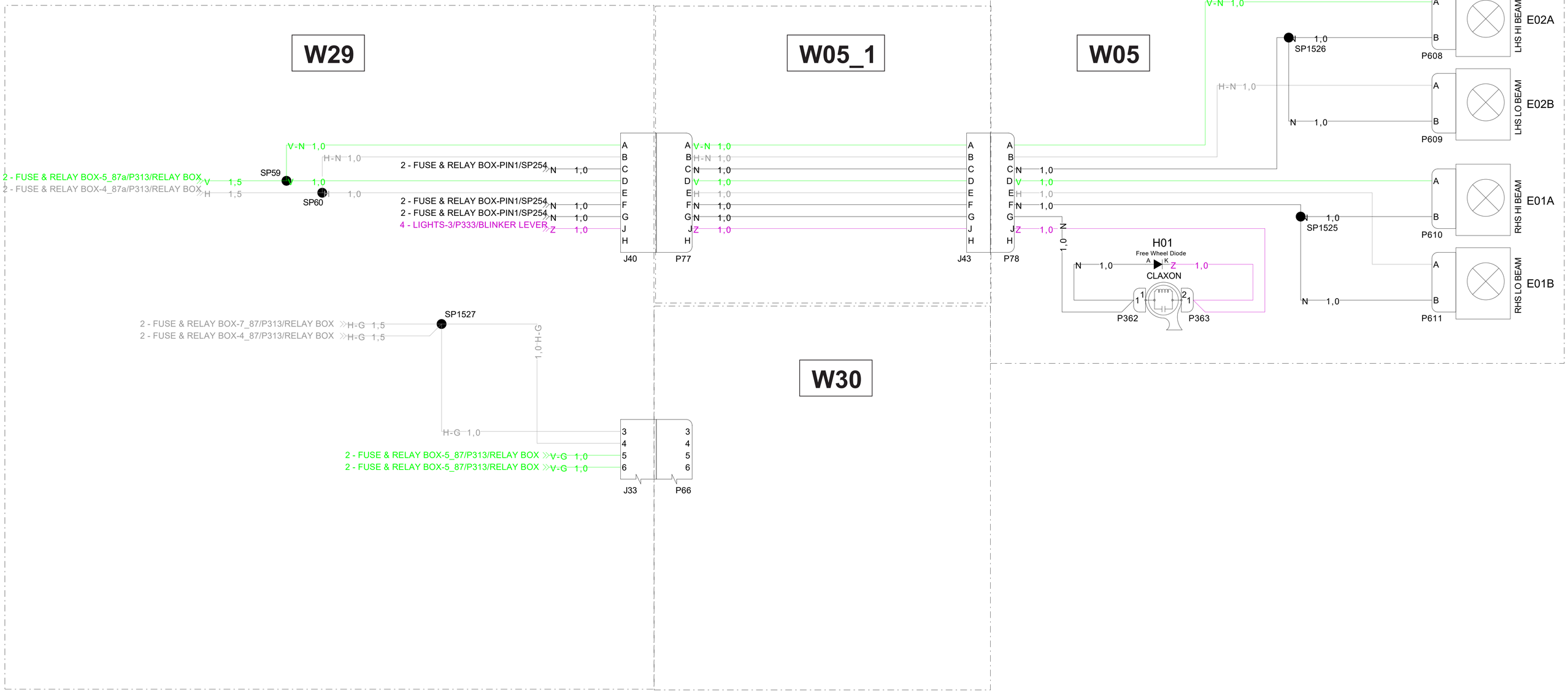
J17 - Connection to P16
P16 - Connection to J17
P289 - Connection to Fuse box
P313 - Connection to Relay box
P481 - Connection to Aux fuel tank power supply



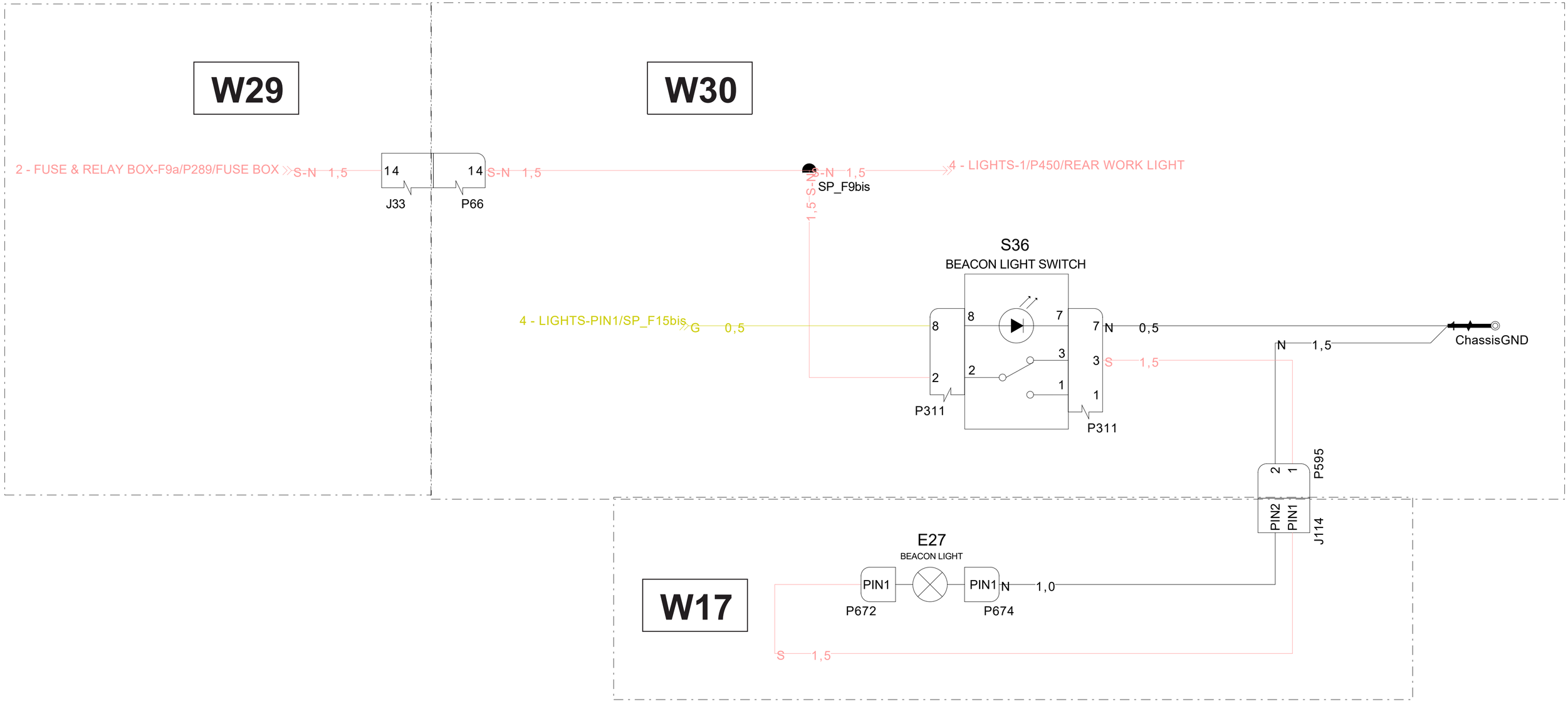
J17 - Connection to P16
J31 - Connection to P63
J600 - Connection to P685
P1 - Connection to Fuel level sensor B03
P16 - Connection to J17
P321 - Connection to Button menu S990
P322 - Connection to Button set S991
P437 - Connection to Brakes oil level switch B69
P601 - Connection to RHS brake pedal switch B112R
P602 - Connection to LHS brake pedal switch B112L
P63 - Connection to J31
P685 - Connection to J600
P74 - Connection to Instrument panel A330



GND - Connection to Chassis
J33 - Connection to P66
P298 - Connection to H4 work light switch
P326 - Connection to Flasher unit K08
P327 - Connection to Hazard switch S106
P328 - Connection to RH grabrail light E03
P329 - Connection to LH grabrail light E04
P330 - Connection to Rear RH road light E14
P331 - Connection to Trailer socket
P332 - Connection to Rear LH road light E13
P333 - Connection to Blinker lever S09
P364 - Connection to Blinker lever S09
P450 - Connection to Rear work light S61
P612 - Connection to H3 work light switch
P652 - Connection to Licence plate light E21
P66 - Connection to J33



J33 - Connection to P66
J40 - Connection to P77
J43 - Connection to P78
P362 - Connection to Claxon H01
P363 - Connection to Claxon H01
P608 - Connection to LHS Low beam E02A
P609 - Connection to LHS High beam E02B
P610 - Connection to RHS Low beam E01A
P611 - Connection to RHS High beam E01B
P66 - Connection to J33
P77 - Connection to J40
P78 - Connection to J43



GND - Connection to Chassis
J33 - Connection to P66
J34 - Connection to P595
P311 - Connection to Beacon switch S36
P595 - Connection to J114
P66 - Connection to J33
P672 - Connection to Beacon light E27
P674 - Connection to Beacon light E27

W29

W30

2 - FUSE & RELAY BOX-K/D5 » M-L 0,5
3 - INSTRUMENT PANEL-16/P74/INSTRUMENT PANEL » B-V 0,75
3 - INSTRUMENT PANEL-66/P74/INSTRUMENT PANEL » L-H 0,75
3 - INSTRUMENT PANEL-70/P74/INSTRUMENT PANEL » C-R 0,75
J33 17 23 27 28 P66
17 M-L 0,5
23 B-V 0,75
27 L-H 0,75
28 C-R 0,75

3 - INSTRUMENT PANEL-18/P74/INSTRUMENT PANEL » R-Z 0,75
3 - INSTRUMENT PANEL-30/P74/INSTRUMENT PANEL » Z-V 0,75
3 - INSTRUMENT PANEL-29/P74/INSTRUMENT PANEL » H-M 0,5
3 - INSTRUMENT PANEL-PIN1/SP96 » G-H 0,75
3 - INSTRUMENT PANEL-PIN1/SP93 » S-B 0,75
3 - INSTRUMENT PANEL-PIN1/SP94 » C-Z 0,75
J31 1 16 17 33 36 37 P63
1 R-Z 0,75
16 Z-V 1,0
17 H-M 1,0
33 G-H 0,75
36 S-B 0,75
37 C-Z 0,75

9 - POWER REVERSER-6/P369/FNR LEVER » N-G 0,75
J33 13 P66
13 N-G 0,75

TO BE PLUGGED ON P760
J147 8 1 2 3 4 5 6 7 P760
8 N-G 0,75
1 C-Z 0,75
2 S-B 0,75
3 G-H 0,75
4 R 0,75 » 4 - LIGHTS-PIN1/SP_STOPbis
5 M-L 0,5
6 C 0,75 » 12 - THROTTLES-PIN1/SP_S1
7 B-N 0,75 » 10 - PTO-PIN1/SP82
CREEPER SIGNAL PREDISPOSITION

D8 A K M-G 0,75
4WD free wheel diode - 2A 100V
0,75 B-V
M-G 0,75
PIN1 PIN2 2 P358 P358
4WD VALVE
Y03

D7 A K R-Z 0,75
D/L free wheel diode - 2A 100V
0,75 N
PIN1 PIN2 2 P359 P359
D/L VALVE
Y05

S63
4WD SWITCH
4 - LIGHTS-PIN1/SP_F15bis » G 0,5
L-H 0,75
8 2 P302
7 3 1 P302
C-N 0,75 » 12 - THROTTLES-PIN1/SP_F6bis
0,5 N

S22
D/L SWITCH
4 - LIGHTS-PIN1/SP_F15bis » G 0,5
C-R 0,75
8 2 P304
7 3 1 P304
C-N 0,75 » 12 - THROTTLES-PIN1/SP_F6bis
0,5 N

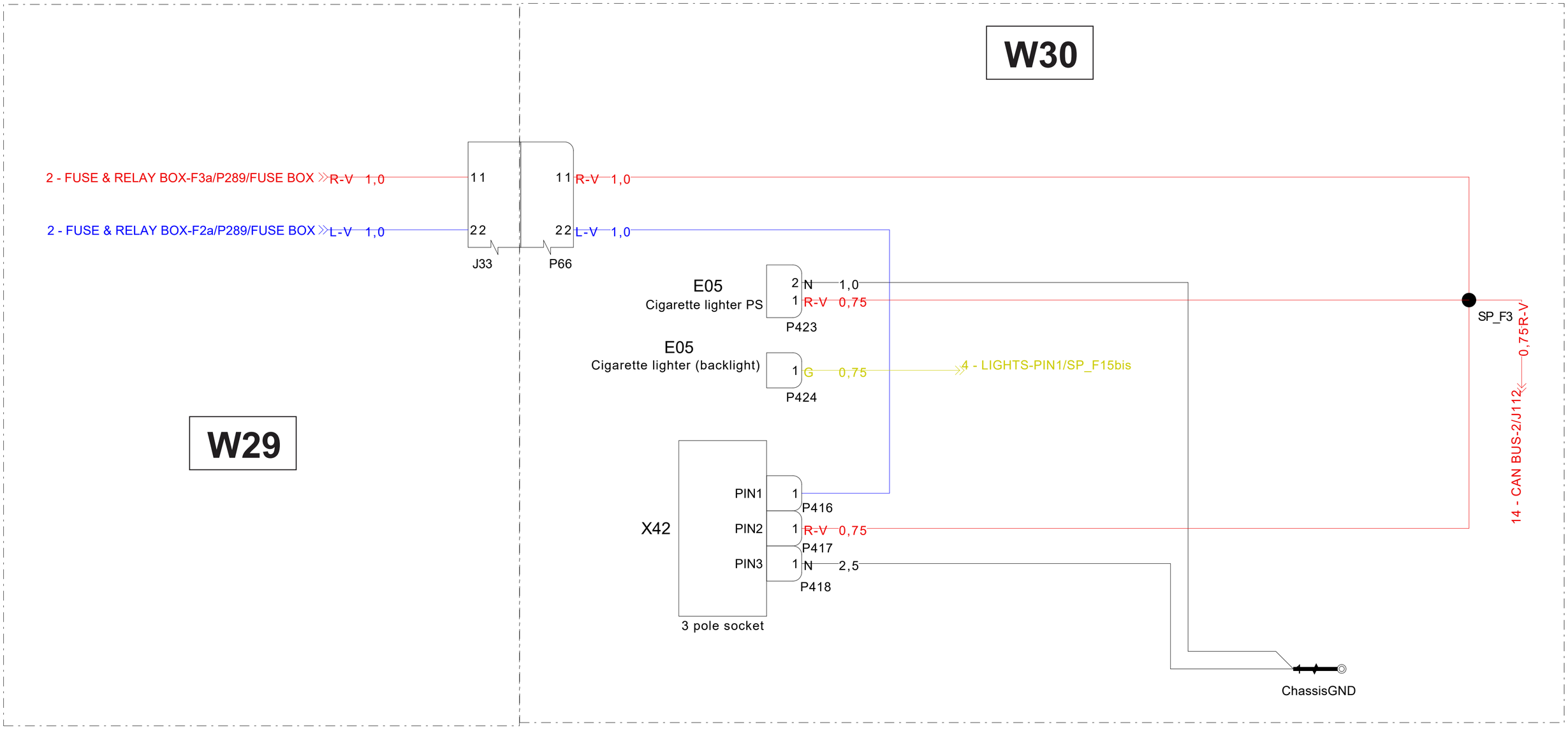
B988
4WD PRESSURE SWITCH
12 - THROTTLES-PIN1/SP_F6bis » C-N 0,75
P 1 2 P306 P306

B987
D/L PRESSURE SWITCH
12 - THROTTLES-PIN1/SP_F6bis » C-N 0,75
P 1 2 P307 P307

B05
HAND BRAKE SWITCH
12 - THROTTLES-PIN1/SP_F4 » A-B 0,75
2 3 1 4 P308 P308
M-L 0,5 » SP_HAND BRAKE

N 0,75
ChassisGND

GND - Connection to Chassis
J147 - Connection to creeper signal predisposition P760
J31 - Connection to P63
J33 - Connection to P66
P302 - Connection to 4WD switch S63
P304 - Connection to Diff-lock switch S22
P306 - Connection to 4WD pressure switch B988
P307 - Connection to Diff-lock pressure switch B987
P308 - Connection to Hand brake switch B05
P358 - Connection to 4WD solenoid valve Y03
P359 - Connection to Diff-lock solenoid valve Y05
P63 - Connection to J31
P66 - Connection to J33
P760 - Connection to J147



GND - Connection to Chassis
J33 - Connection to P66
P416 - Connection to 3 pole socket X42
P417 - Connection to 3 pole socket X42
P418 - Connection to 3 pole socket X42
P423 - Connection to Cigarette lighter E05
P424 - Connection to Cigarette lighter E05
P66 - Connection to J33

W29

W30

W25

2 - FUSE & RELAY BOX-F7a/P289/FUSE BOX G-R 0,75

3 - INSTRUMENT PANEL-2/P74/INSTRUMENT PANEL G-R 0,75

0,75 G-R

SP226

3 - INSTRUMENT PANEL-4/P74/INSTRUMENT PANEL L-G 0,75

3 - INSTRUMENT PANEL-24/P74/INSTRUMENT PANEL A-R 0,75

J33 P66

G-R 0,75

L-G 0,75

A-R 0,75

+ 15 CREEPER F7 G-R 1,0 14 - CAN BUS-4/P7610

SP_F7bis

12 - THROTTLES-1/P355/SEAT SWITCH

P310 J119

L-G 0,75

A-R 0,75

0,75 Z

S300

HI-LO SWITCH

HI LO C D

P768 P768

J31 P63

R-A 0,75

L-M 0,75

G-Z 0,75

R-C 0,75

Z-C 0,75

V-B 0,5

Z-B 0,5

Z-R 0,75

2 - FUSE & RELAY BOX-F8a/P289/FUSE BOX

SP_F8bis

SP_GNDref_PR

DIODE 1N4007

DIODE 1N4007

14 - CAN BUS-3/P7610

12 - THROTTLES-PIN1/SP_S1

0,5 N

A-G 0,75

G-R 0,75

P375

RS232 socket

7 - 4WD & D/L-13/J33

B64

FNR LEVER

+ N N2 F N R 1 2 3 4 5 6 15

N-G 0,75

P369 P369

2 - FUSE & RELAY BOX-PIN1/SP254 0,75 N

S20

CALIBRATION HIDDEN BUTTON

2 - FUSE & RELAY BOX-PIN1/SP254 N 0,5

P368 P368

S72

CLUTCH END STROKE SWITCH

P374 P374

B65

CLUTCH PEDAL POSITION SENSOR

Vin Vout Gnd

P372 P372

P372

N 0,5

2 - FUSE & RELAY BOX-PIN1/SP254

SP_S3

S-L 0,75

B60

Oil temperature sensor

PIN1 PIN2

P383

S-L 0,75

B 0,75

R 0,75

0,75 M-B

0,75 S-L

0,75 B-L

L 0,75

A320

ECU TRAX

P366 P366

B-C 0,75

S-G 0,75

B-A 0,75

R 0,5

L 0,5

14 - CAN BUS-PIN1/SP_CANH_1

14 - CAN BUS-PIN1/SP_CANL_1

0,75 C

0,75 M

B63

Ranges switch

P395 P395

B104

TX out speed signal

P391 P391

B300

HI pressure sensor

P397 P397

B301

LO pressure sensor

P398 P398

0,75Z-N

C 0,75

S 0,75

SP_+5V_PRS

RV pressure sensor

P399 P399

B302

PWM RELAY

30 85 87a 87 86

MUR816DCT

470uF

P381 P381

PIN1 PIN2

P384 P384

FL valve solenoid

Y52

P385 P385

FH valve solenoid

Y53

P386 P386

RV valve solenoid

Y51

P388 P388

Main ring valve solenoid

Y300

Z-A 0,75

Z-R 0,75

SP_+PWM

B 0,75

B73

OIL FILTER CLOGGED SWITCH

P389 P389

S-B 0,75

H-N 0,75

N 0,5

14 - CAN BUS-5/P7610 N 1,0

GND CREEPER

ChassisGND

B303

OIL PRESSURE SWITCH

P390 P390

GND - Connection to Chassis
J119 - Connection to P310
J31 - Connection to P63
J33 - Connection to P66
P310 - Connection to J119
P366 - Connection to Transmission control unit A320
P368 - Connection to Calibration hidden button S20
P369 - Connection to FNR lever B64
P372 - Connection to Clutch pedal position sensor B65
P375 - Connection to socket RS232
P381 - Connection to PWM Relay
P383 - Connection to Transmission oil temperature sensor B60
P384 - Connection to FL solenoid valve Y52
P385 - Connection to FH solenoid valve Y53
P386 - Connection to RV solenoid valve Y51
P388 - Connection to Main ring solenoid valve Y300
P389 - Connection to Transmission oil filter clogged switch B73
P390 - Connection to Transmission oil pressure switch B303
P391 - Connection to Transmission out speed signal B104
P395 - Connection to Ranges switch B63
P397 - Connection to HI pressure sensor B300
P398 - Connection to LO pressure sensor B301
P399 - Connection to RV pressure sensor B302
P63 - Connection to J31
P658 - Connection to Clutch pedal end stroke switch S72
P66 - Connection to J33
P768 - Connection to HI-LO switch S300

SE90_AG_OUT_POWER REVERSER_B_2_20200225

W29

W30

W33_2

W33

W33_1

PTO safety free wheel diode - 2A 100V

N 0,75 — D9 (A, K) — L-B 0,75

PTO safety electrovalve
Y350
P402 PIN1 / PIN2

Y04
PTO main valve connection
P407 PIN1 / PIN2

TO BE PLUGGED ON P349
R-L 1,0
J124 — P349

FRONT PTO SWITCH
S999
P696
M 0,5
R-L 0,75
G-V 1,5
M-C 1,5
R-L 0,75
N 0,5
J115

2 - FUSE & RELAY BOX-6_86/P313/RELAY BOX » R-L 0,75 — J33 19 — P66 19
2 - FUSE & RELAY BOX-K/D6 » B-N 0,75 — J33 10 — P66 10
3 - INSTRUMENT PANEL-67/P74/INSTRUMENT PANEL » B-G 0,75 — J33 34 — P66 34
3 - INSTRUMENT PANEL-68/P74/INSTRUMENT PANEL » M-V 0,75 — J33 35 — P66 35

R-L 0,75
M-C 1,5
12 - THROTTLES-PIN1/SP_F5bis » G-V 1,5
0,75 R-L
0,5 N
0,75 N
ChassisGND
N 0,75
0,75 B-N

3 - INSTRUMENT PANEL-7/P74/INSTRUMENT PANEL » L-B 0,75 — J31 2 — P63 2
3 - INSTRUMENT PANEL-74/P74/INSTRUMENT PANEL » M-S 0,75 — J31 3 — P63 3
3 - INSTRUMENT PANEL-73/P74/INSTRUMENT PANEL » R-B 0,75 — J31 4 — P63 4
3 - INSTRUMENT PANEL-76/P74/INSTRUMENT PANEL » C-B 0,75 — J31 5 — P63 5 C-B 0,75
3 - INSTRUMENT PANEL-75/P74/INSTRUMENT PANEL » N-V 0,75 — J31 6 — P63 6
1 - POWER SUPPLY-PIN1/SP1588 » B 0,75 — J31 7 — P63 7
3 - INSTRUMENT PANEL-12/P74/INSTRUMENT PANEL » C-L 0,75 — J31 8 — P63 8 C-L 1,0
3 - INSTRUMENT PANEL-72/P74/INSTRUMENT PANEL » C-G 0,75 — J31 9 — P63 9
3 - INSTRUMENT PANEL-56/P74/INSTRUMENT PANEL » Z-G 0,75 — J31 13 — P63 13 Z-G 0,75
3 - INSTRUMENT PANEL-58/P74/INSTRUMENT PANEL » M-N 0,5 — J31 14 — P63 14 NOT CONNECTED TO CHASSIS: THE PTO SHAFT SENSOR FOR SIGNAL 2 ISN'T INSTALLED
3 - INSTRUMENT PANEL-36/P74/INSTRUMENT PANEL » M-Z 0,75 — J31 15 — P63 15
J31 10 — P63 10
3 - INSTRUMENT PANEL-71/P74/INSTRUMENT PANEL » M 0,5 — SP58 — M-C 1,5 — J31 18 — P63 18

0,75 N-V
0,75 M-S
0,75 R-B
0,75 C-G
0,75 M-Z
1,5 M-C

S21A
GD PTO selector switch
P341 — P341

S21B
DIR PTO selector switch
P342 — P342

B07B
540 PTO speed selector switch
P343 — P343

B07A
540E/1000 PTO speed selector switch
P344 — P344

SP_+5V

B350
PTO PRESSURE SWITCH
12 - THROTTLES-PIN1/SP_F6bis » C-N 0,75
P408 — P408

SP_S4
SP_S5

B980
PTO OUTPUT SHAFT SENSOR
Vin / Vout / Gnd
P405 — P405 — P405

B-N 0,75 » 7 - 4WD & D/L-7/P7600
SP82 B-N 0,75
SP_NEUTRAL START SWITCH SIGNAL

B36
NEUTRAL START SWITCH
P347 — P347

S350
RPTO SWITCH
PIN1 / PIN2 / PIN3 / PIN4
P700 — P700
B-G 0,75
M-V 0,75
12 - THROTTLES-PIN1/SP_F6bis » C-N 0,75
12 - THROTTLES-PIN1/SP_F6bis » C-N 0,75
J116 — P348

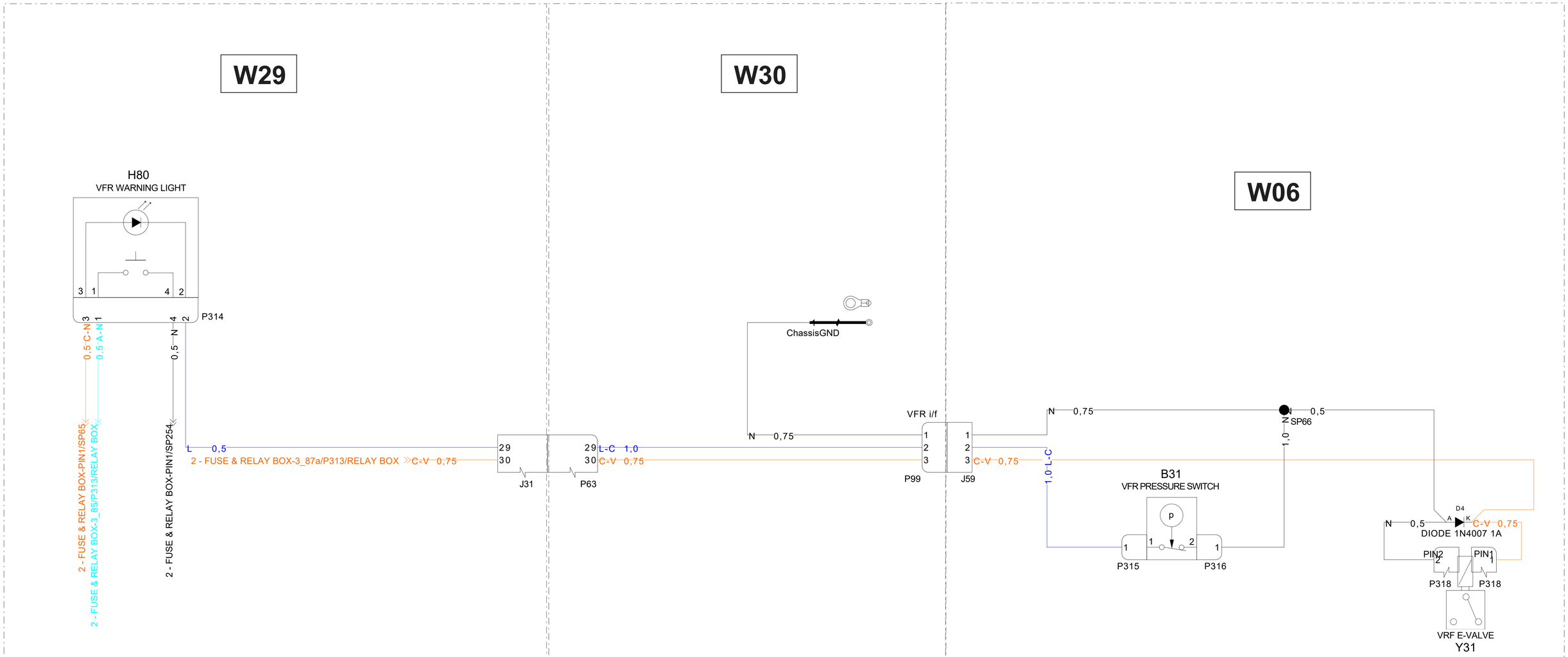
K999
FRONT PTO INTERLOCK RELAY
30 / 86 / 87a / 87 / 85
P433 — P433
G-N 1,5
N 0,75
N 1,5
SP265

P431 — J83
3 - INSTRUMENT PANEL-10/P74/INSTRUMENT PANEL » R-G 0,75 — M-C 1,5
2 - FUSE & RELAY BOX-PIN1/SP254 » N 1,5 — R-G 0,75
3 - INSTRUMENT PANEL-31/P74/INSTRUMENT PANEL » G-N 0,75 — N 1,5
G-N 0,75

P432 — J84
G-N 1,5
R-G 0,75

Y999
Front PTO E-Valve
P435 PIN1 / PIN2

GND - Connection to Chassis
J115 - Connection to P349
J124 - Connection to P349
J31 - Connection to P63
J33 - Connection to P66
J83 - Connection to P431
J84 - Connection to P432
P341 - Connection to GD PTO selector switch S21A
P342 - Connection to DIR PTO selector switch S21B
P343 - Connection to 540 PTO speed selector switch B07B
P344 - Connection to 540E/1000 PTO speed selector switch B07A
P347 - Connection to Neutral start switch B36
P348 - Connection to J116
P349 - Connection to J115 (Option)
P349 - Connection to J124 (Option)
P402 - Connection to PTO safety solenoid valve Y350
P405 - Connection to PTO shaft output sensor B980
P407 - Connection to PTO main valve connection Y04
P408 - Connection to PTO pressure switch B350
P432 - Connection to J84
P433 - Connection to Front PTO interlock relay K999
P435 - Connection to Front PTO solenoid valve Y999
P63 - Connection to J31
P66 - Connection to J33
P696 - Connection to Front PTO switch S999



GND - Connection to Chassis
J31 - Connection to P63
J59 - Connection to P99
P314 - Connection to Trailer brake switch H80
P315 - Connection to Trailer brake pressure sensor B31
P316 - Connection to Trailer brake pressure sensor B31
P318 - Connection to Trailer brake solenoid valve Y31
P63 - Connection to J31
P99 - Connection to J59

W29

W30

S40
SEAT SWITCH

9 - POWER REVERSER-PIN1/SP_F8bis » R 0,75 → 1 W 2 → P355 1 / P355 2

1,5 G-V

0,75 C

P312 1 → PIN1 M PIN2 → P312 2

M06
AIR SEAT

S994
CC-UP

S993
CC-DW

S992A
CC-MEM1

S992B
CC-MEM2

3 1 2 → P354 / P353 / P352 / P495

0,5 G

0,5 N

G-Z 0,75

M-B 0,75

7 - 4WD & D/L-1/P308/HAND BRAKE SWITCH » A-B 0,75

SP_F4

0,75 A-B

4 - LIGHTS-PIN1/SP_F15bis

N 0,5

N 1,0

ChassisGND

0,75 N

2 - FUSE & RELAY BOX-F4a/P289/FUSE BOX » A-B 0,75 → 12 → 12 A-B 0,75

3 - INSTRUMENT PANEL-34/P74/INSTRUMENT PANEL » G-Z 0,75 → 15 → 15

3 - INSTRUMENT PANEL-33/P74/INSTRUMENT PANEL » M-B 0,75 → 16 → 16

2 - FUSE & RELAY BOX-PIN1/SP555 » G-V 1,5 → 18 → 18 G-V 1,5

2 - FUSE & RELAY BOX-PIN1/SP65 » C-N 0,75 → 20 → 20 C-N 0,75

G-V 1,5 SP_F5bis

10 - PTO-4/P349

3 - INSTRUMENT PANEL-80/P74/INSTRUMENT PANEL » N-G 0,75 → 24 → 24 N-G 0,75

3 - INSTRUMENT PANEL-13/P74/INSTRUMENT PANEL » S-G 0,75 → 29 → 29 S-G 0,75

3 - INSTRUMENT PANEL-37/P74/INSTRUMENT PANEL » L-R 0,5 → 30 → 30 L-R 0,75

3 - INSTRUMENT PANEL-17/P74/INSTRUMENT PANEL » H-V 0,75 → 31 → 31

3 - INSTRUMENT PANEL-35/P74/INSTRUMENT PANEL » H-L 0,75 → 36 → 36

3 - INSTRUMENT PANEL-15/P74/INSTRUMENT PANEL » R-N 0,75 → 37 → 37

J33 — P66

0,75 H-V

0,75 H-L

0,75 R-N

C-N 0,75 SP_F6bis

10 - PTO-3/P348
7 - 4WD & D/L-1/P306/4WD PRESSURE SWITCH
10 - PTO-4/P348
10 - PTO-1/P408/PTO PRESSURE SWITCH
10 - PTO-3/P405/PTO OUTPUT SHAFT SENSOR
7 - 4WD & D/L-1/P302/4WD SWITCH
7 - 4WD & D/L-1/P307/D/L PRESSURE SWITCH
7 - 4WD & D/L-1/P304/D/L SWITCH

3 - INSTRUMENT PANEL-49/P74/INSTRUMENT PANEL » N-R 0,75 → 11 → 11 N-R 0,75

3 - INSTRUMENT PANEL-32/P74/INSTRUMENT PANEL » S-V 0,75 → 12 → 12 S-V 0,75

2 - FUSE & RELAY BOX-6_30/P313/RELAY BOX » C 0,75 → 31 → 31 C 0,75

J31 — P63

C 0,75 SP_S1

7 - 4WD & D/L-6/P7600

0,75 L

B998
HAND THROTTLE SENSOR

2 C-N 0,75
3
1 N-G 0,75
5 C-N 0,75
6
4 N-G 0,75
P351

B999
FOOT THROTTLE SENSOR

2
3
1 N-G 0,75
5
6
4 N-G 0,75
P350

Vin Vout GND

9 - POWER REVERSER-47/P366

SP_GNDref

B06
VEHICLE SPEED SENSOR

P357 3 → Vin Vout GND → 1 / 2 N 0,75 → P357 → SP_TW2

GND - Connection to Chassis
J31 - Connection to P63
J33 - Connection to P66
P312 - Connection to Air seat M06
P350 - Connection to Foot throttle sensor B999
P351 - Connection to Hand throttle sensor B998
P352 - Connection to Cruise control MEM1 S992A
P353 - Connection to Cruise control DW S993
P354 - Connection to Cruise control UP S994
P355 - Connection to Seat switch S40
P357 - Connection to Speed Sensor B06
P495 - Connection to Cruise control MEM2 S992B
P63 - Connection to J31
P66 - Connection to J33

W02

A510
Glow Plug ECU

B510
Water In Fuel switch

Sez1 (injector connector)

B509
AT (air Temperature Sensor)

B513
EG2 (exaust gas Temperature sensor)

B512
EG1 (exaust gas Temperature sensor)

A500
ECU ENGINE

B501
lambda sond

B511
IP (Delta pressure sensor)

Main harness connection

Sez 2 signal connector

EHC CONNECTION

Fuel and relay PCB

Fuel and relay PCB power supply

R505
Fuel Filter Heating

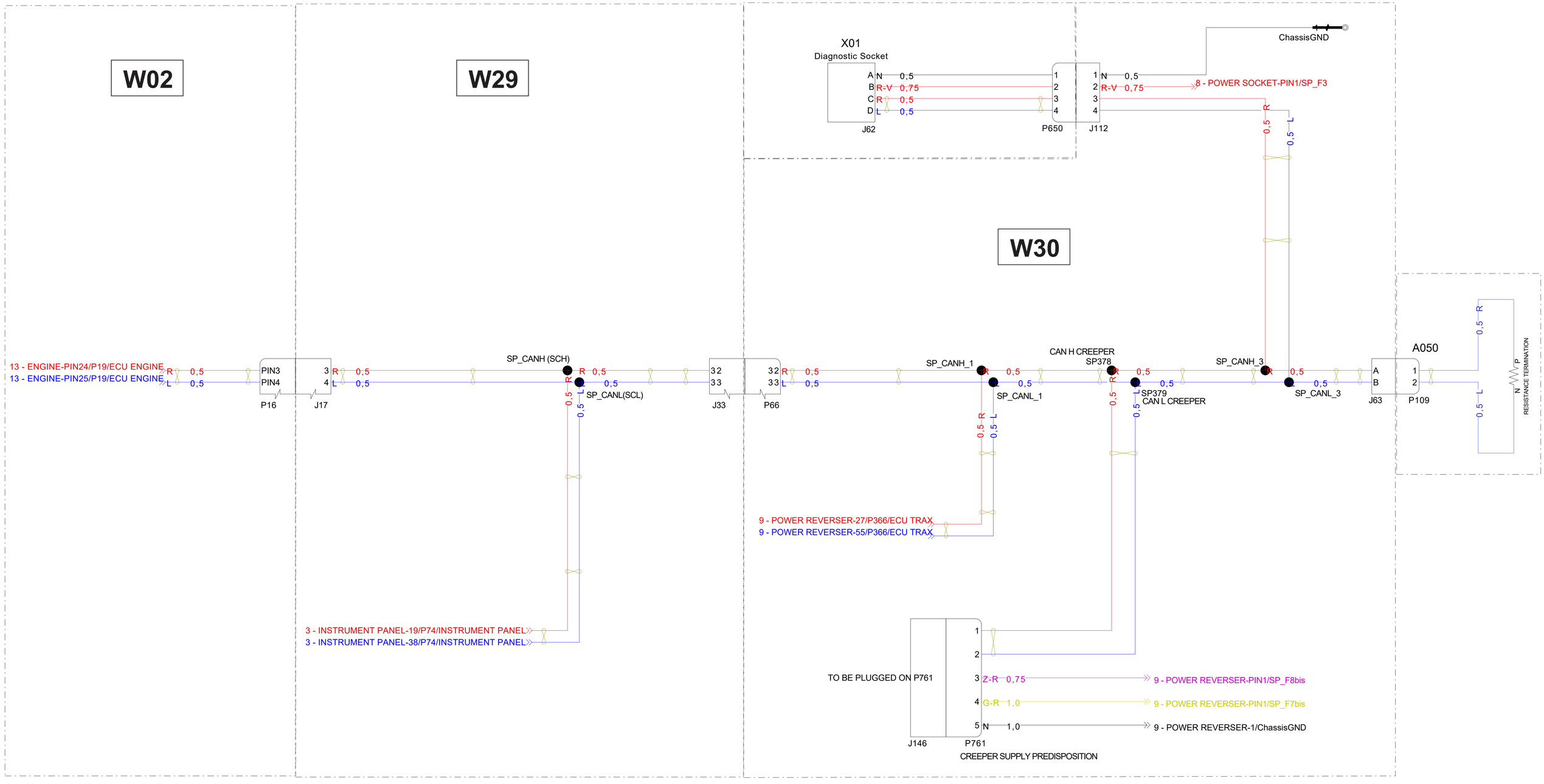
B990

STEERING ANGLE SENSOR

PTO SHAFT VELOCITY (SIGNAL 1)

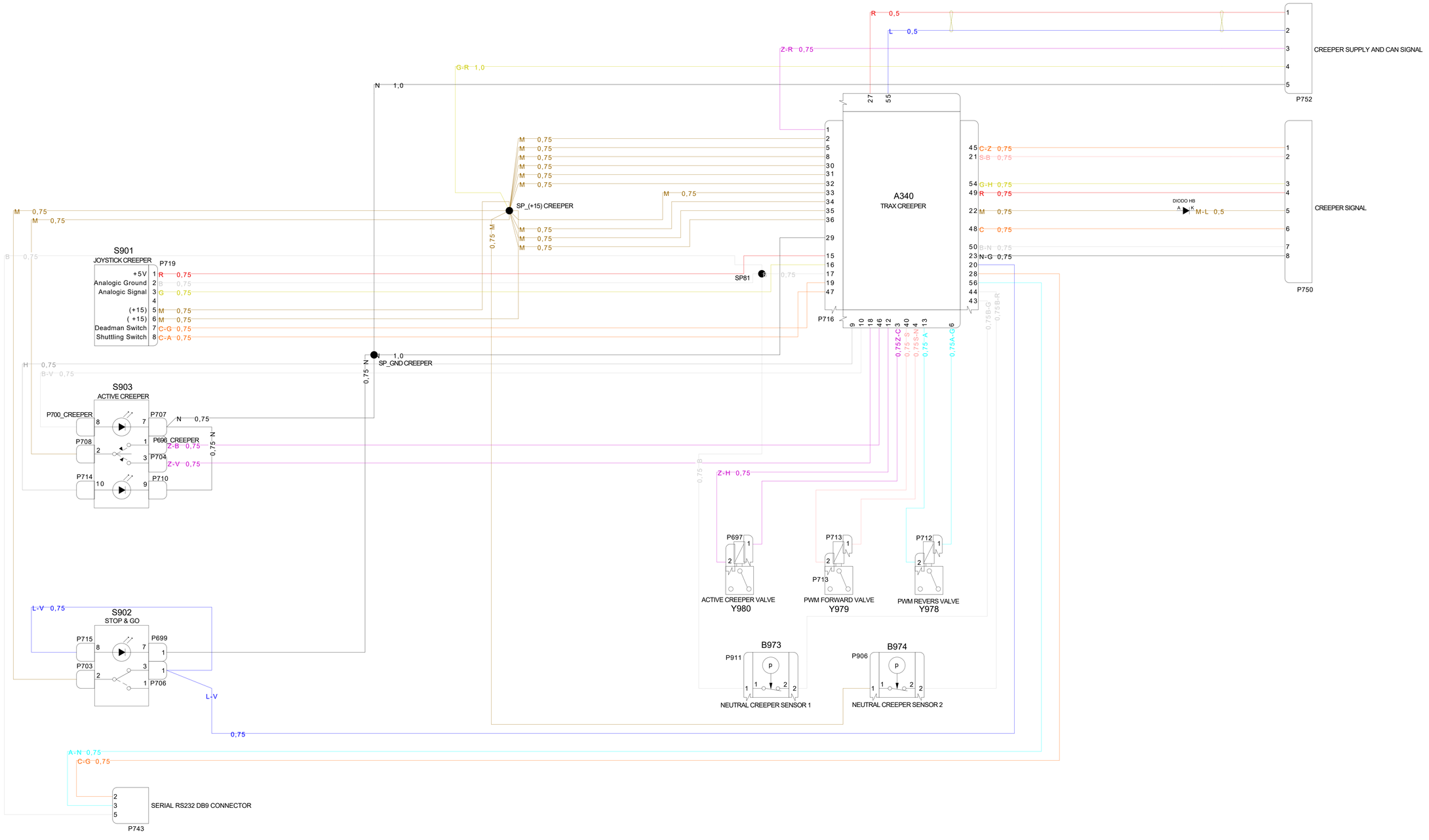
B02
AIR FILTER SENSOR

P2 - Connection to Delta pressure sensor B511
P3 - Connection to Engine
P4 - Connection to Fuel filter heating R505
P5 - Connection to Air filter switch B02
P6 - Connection to Water in fuel switch B510
P7 - Connection to Exhaust gas temperature sensor 2 B513
P8 - Connection to Exhaust gas temperature sensor 1 B512
P9 - Connection to Air temperature sensor B509
P10 - Connection to Air filter switch B02
P11 - Connection to Glow plug ECU A510
P12 - Connection to Lambda sond B501
P13 - Connection to Steering angle sensor
P14 - Connection to Engine
P15 - Connection to Engine control unit A500
P16 - Connection to J17
P17 - Connection to Fuse and relay PCB
P18 - Connection to Fuse and relay PCB
P19 - Connection to Engine control unit A500
P20 - Connection to PTO segnal 1 B990
P21 - Connection to EHC

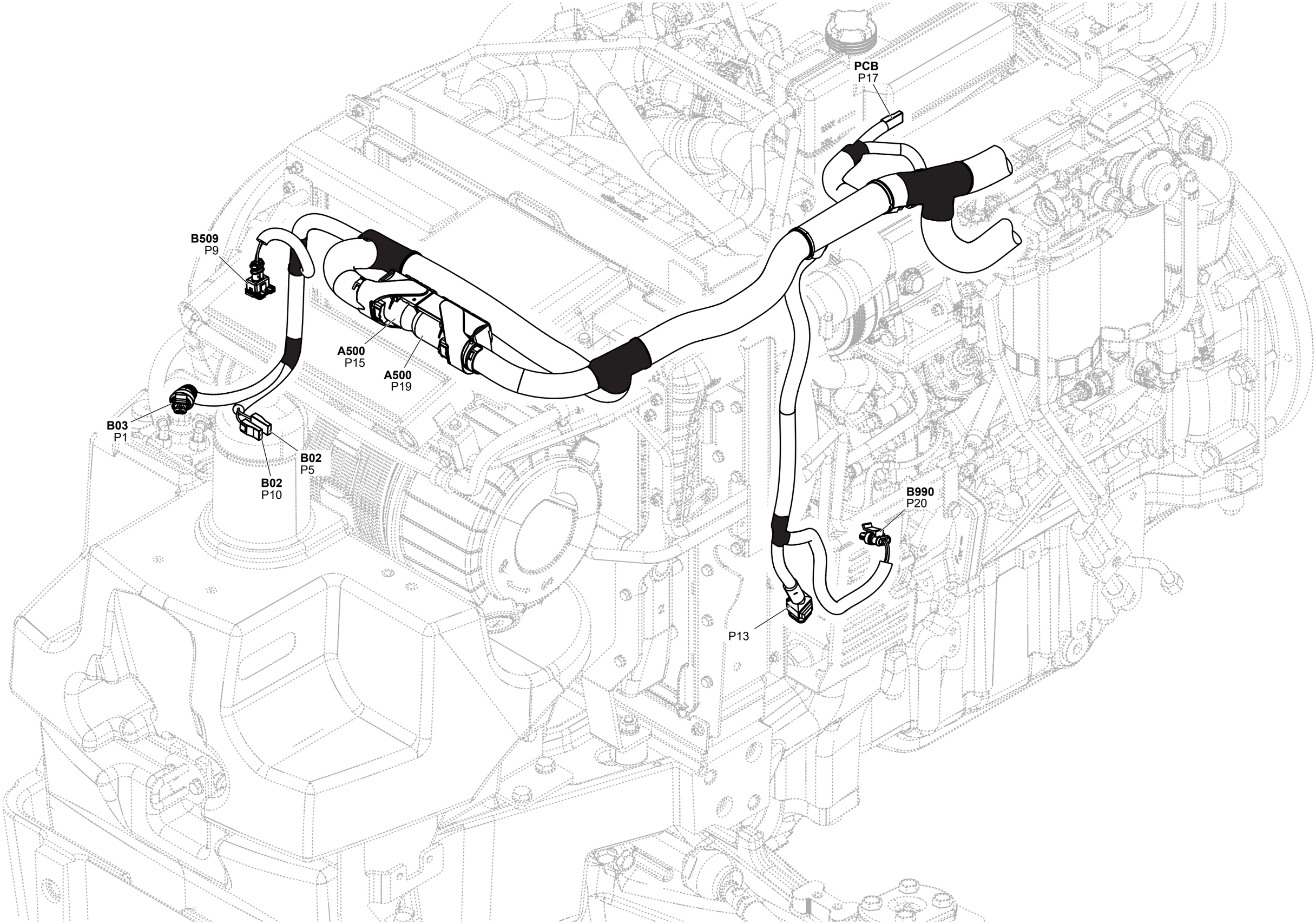


J112 - Connection to P650
J146 - Connection to creeper signal predisposition P761
J17 - Connection to P16
J33 - Connection to P66
J62 - Connection to Diagnostic socket X01
J63 - Connection to P109
P109 - Connection to CAN Bus resistor A050
P16 - Connection to J17
P650 - Connection to J112
P66 - Connection to J33
P761 - Connection to J146

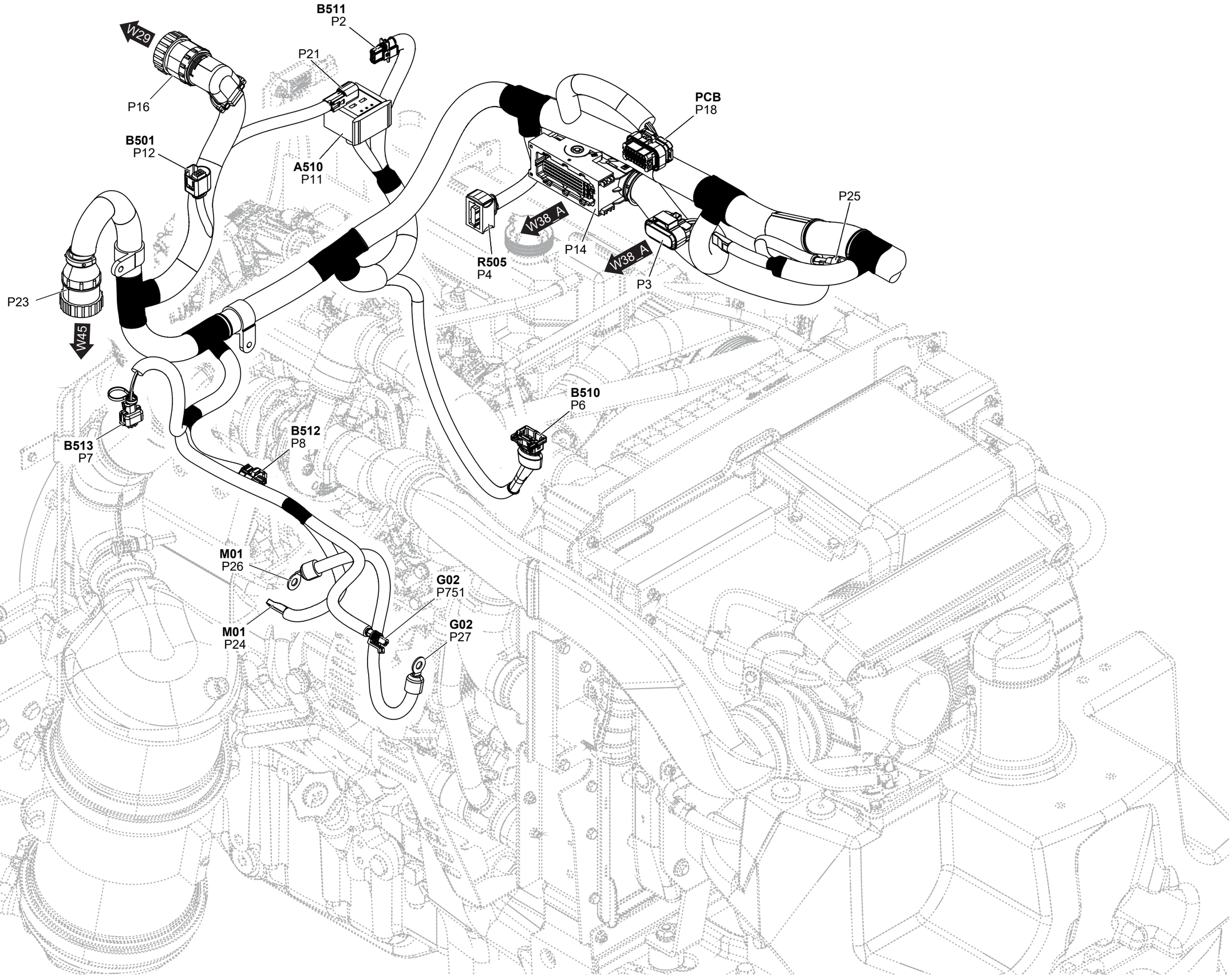
W65



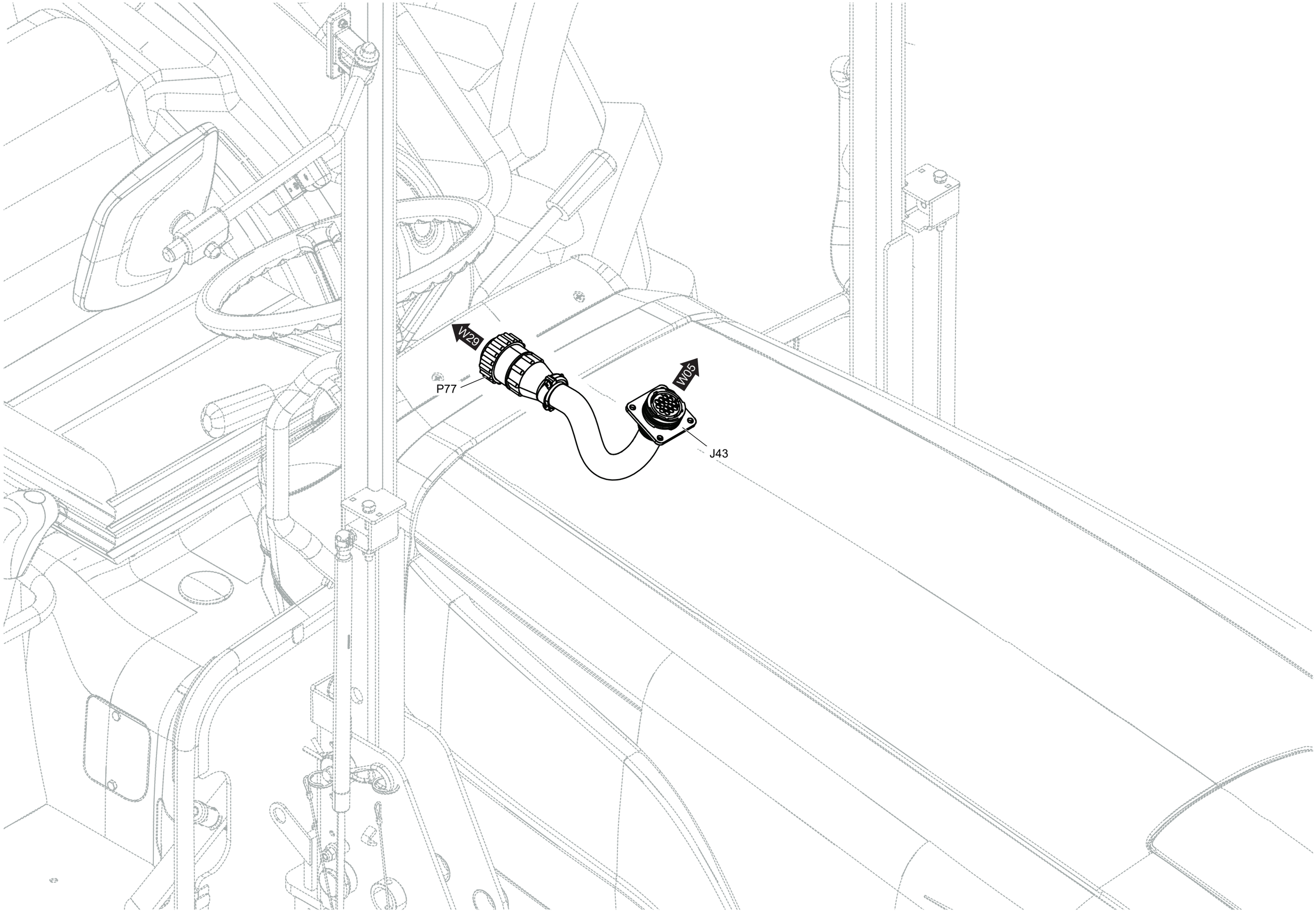
P696 - Connection to Active creeper switch S903
P697 - Connection to Active creeper valve Y980
P699 - Connection to Stop & go switch S902
P700 - Connection to Active creeper switch S903
P703 - Connection to Stop & go switch S902
P704 - Connection to Active creeper switch S903
P706 - Connection to Stop & go switch S902
P707 - Connection to Active creeper switch S903
P708 - Connection to Active creeper switch S903
P710 - Connection to Active creeper switch S903
P712 - Connection to Reverse Valve Y978
P713 - Connection to Forward valve Y979
P715 - Connection to Active creeper switch S903
P715 - Connection to Stop & go switch S902
P716 - Connection to Transmission creeper control unit A340
P719 - Connection to Joystick creeper S901
P743 - Connection to socket RS232
P750 - Connection to P760
P752 - Connection to P761
P906 - Connection to Neutral creeper sensor 2 B974
P911 - Connection to Neutral creeper sensor 1 B973



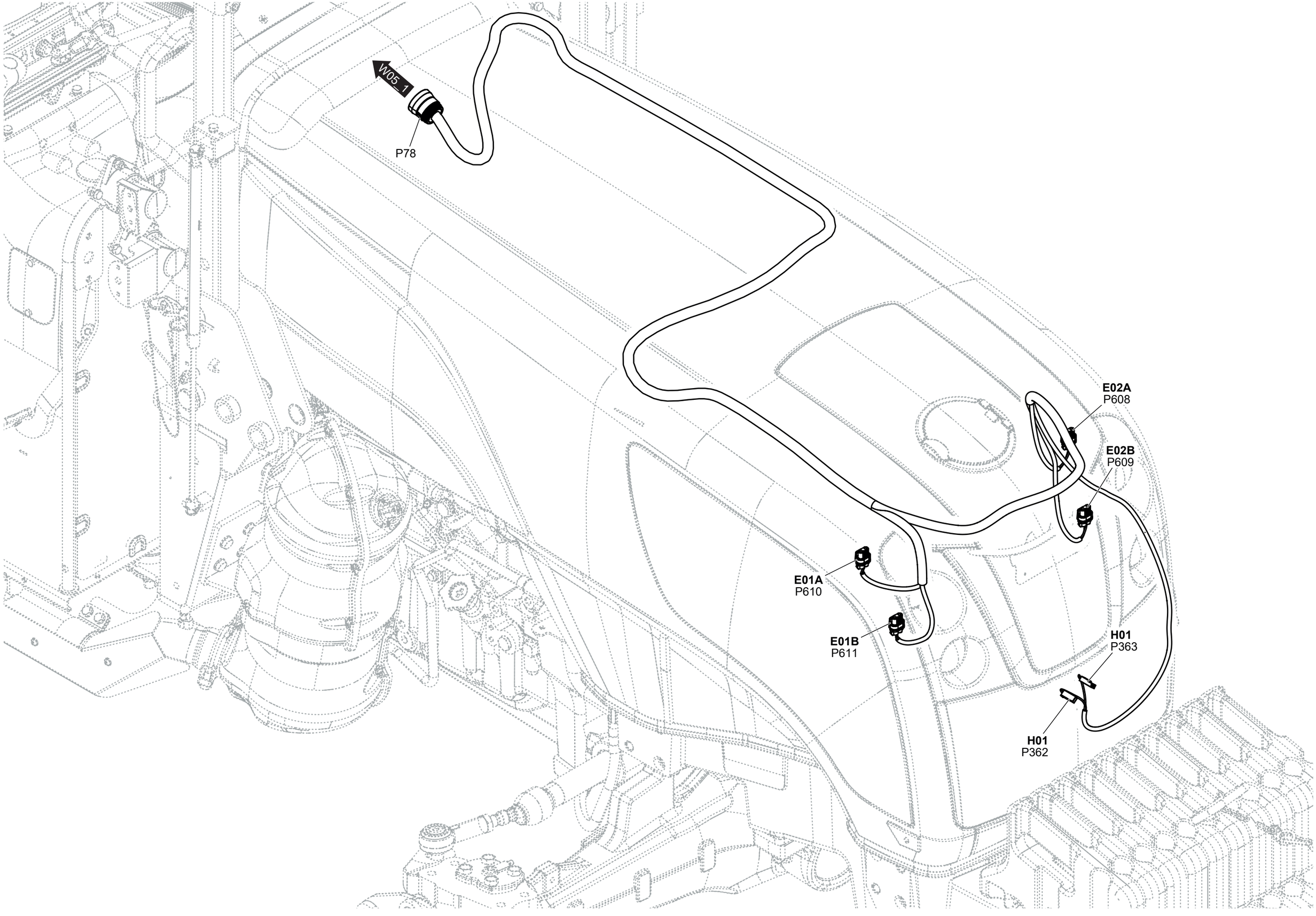
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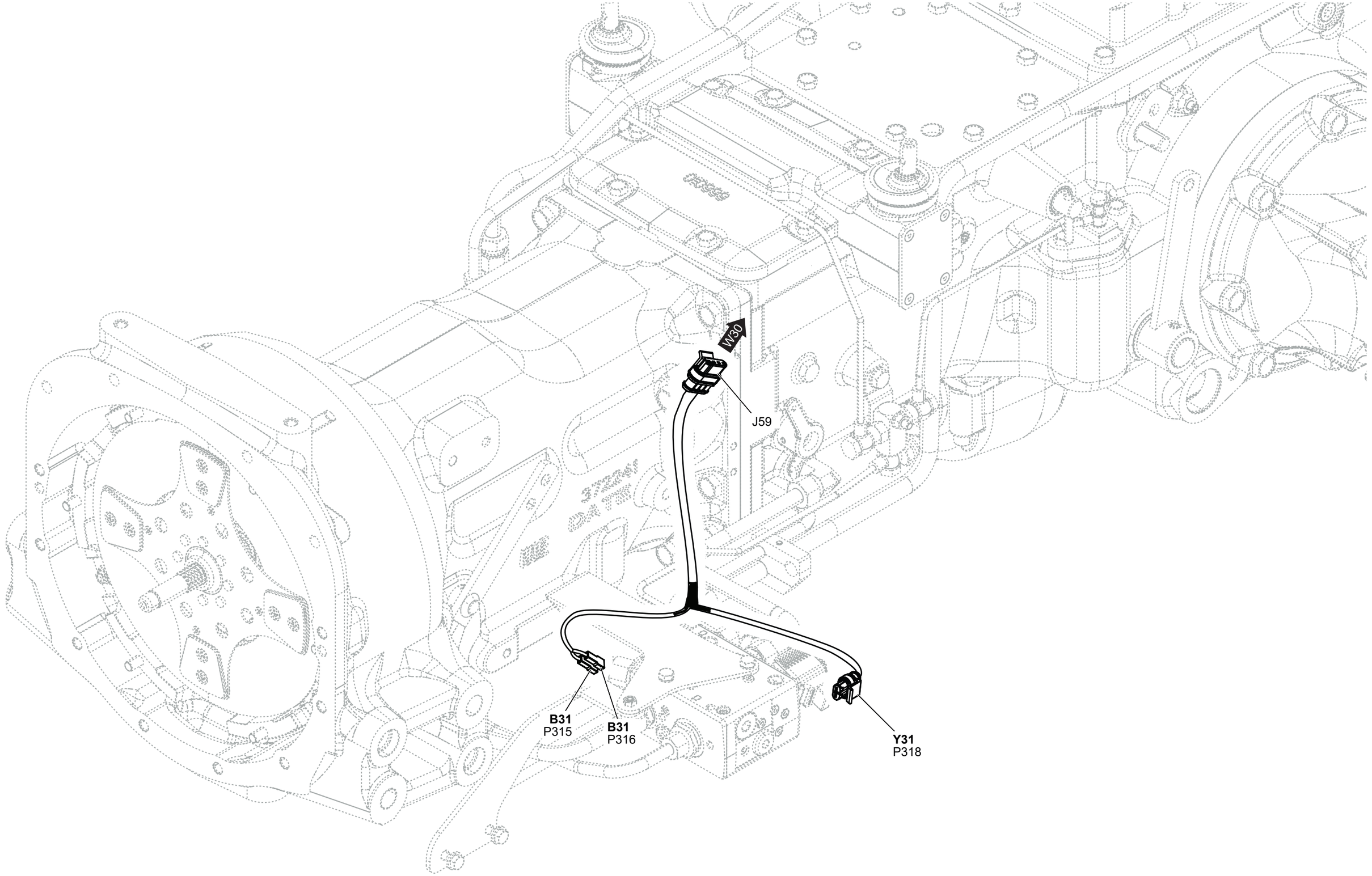
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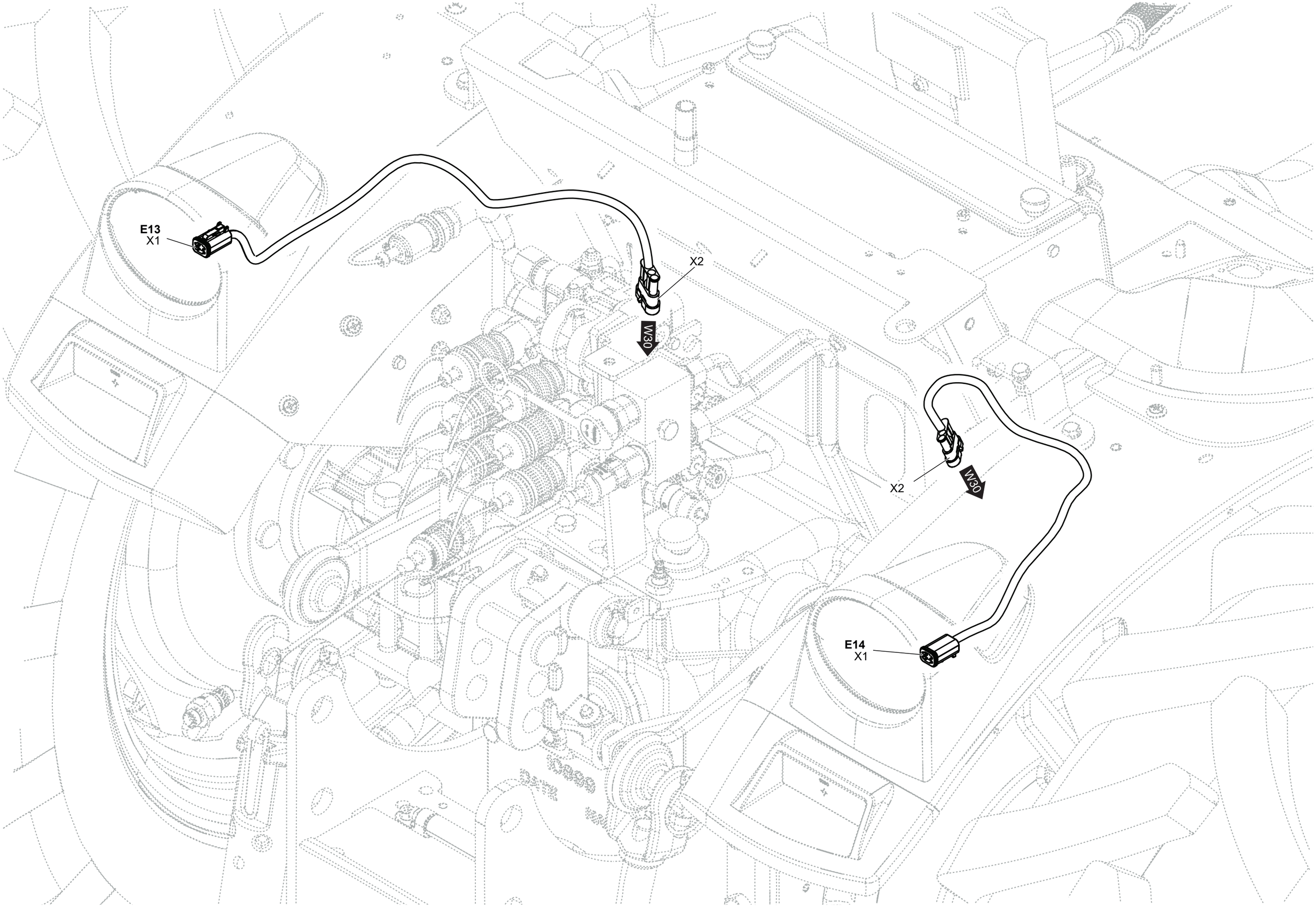
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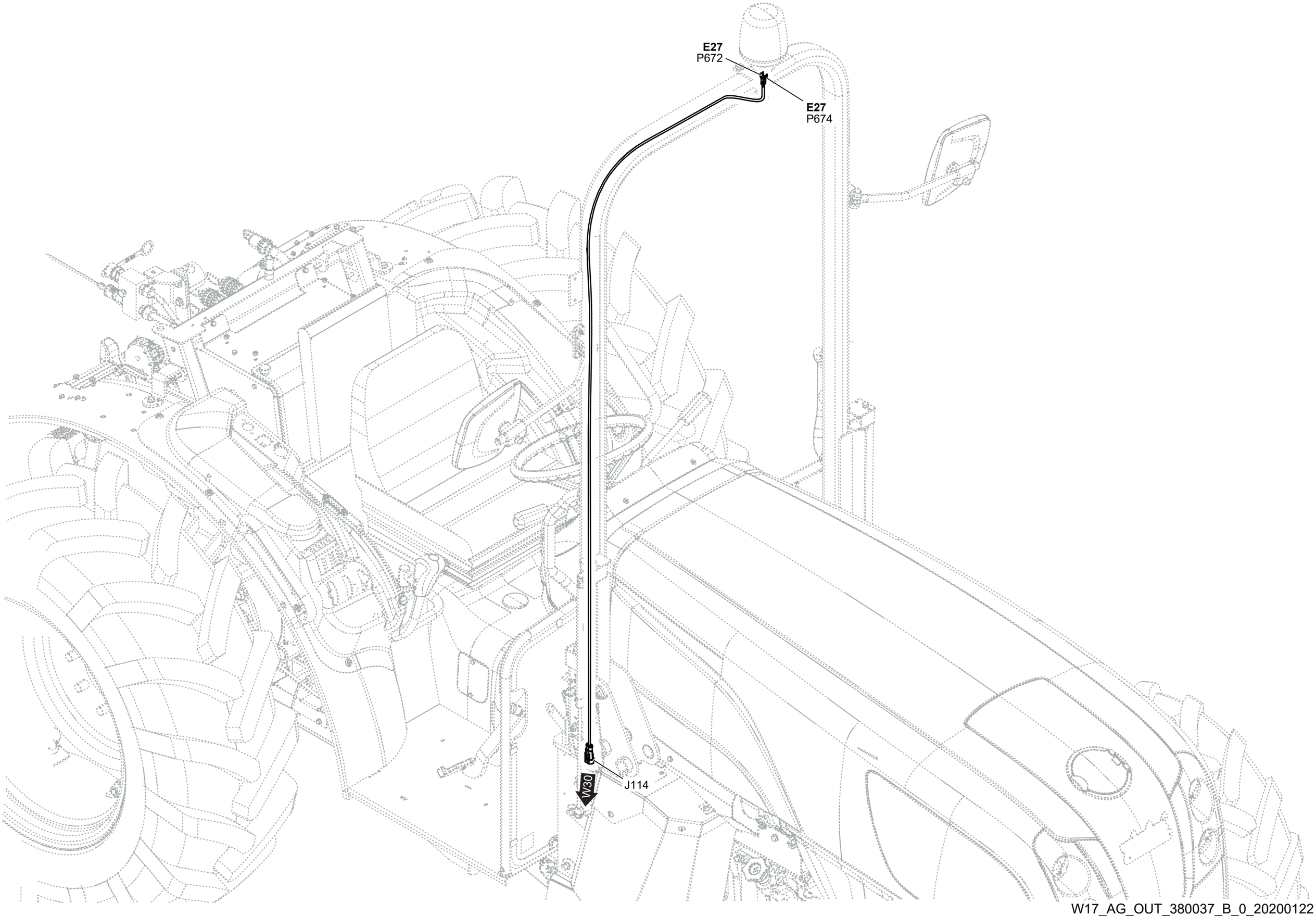
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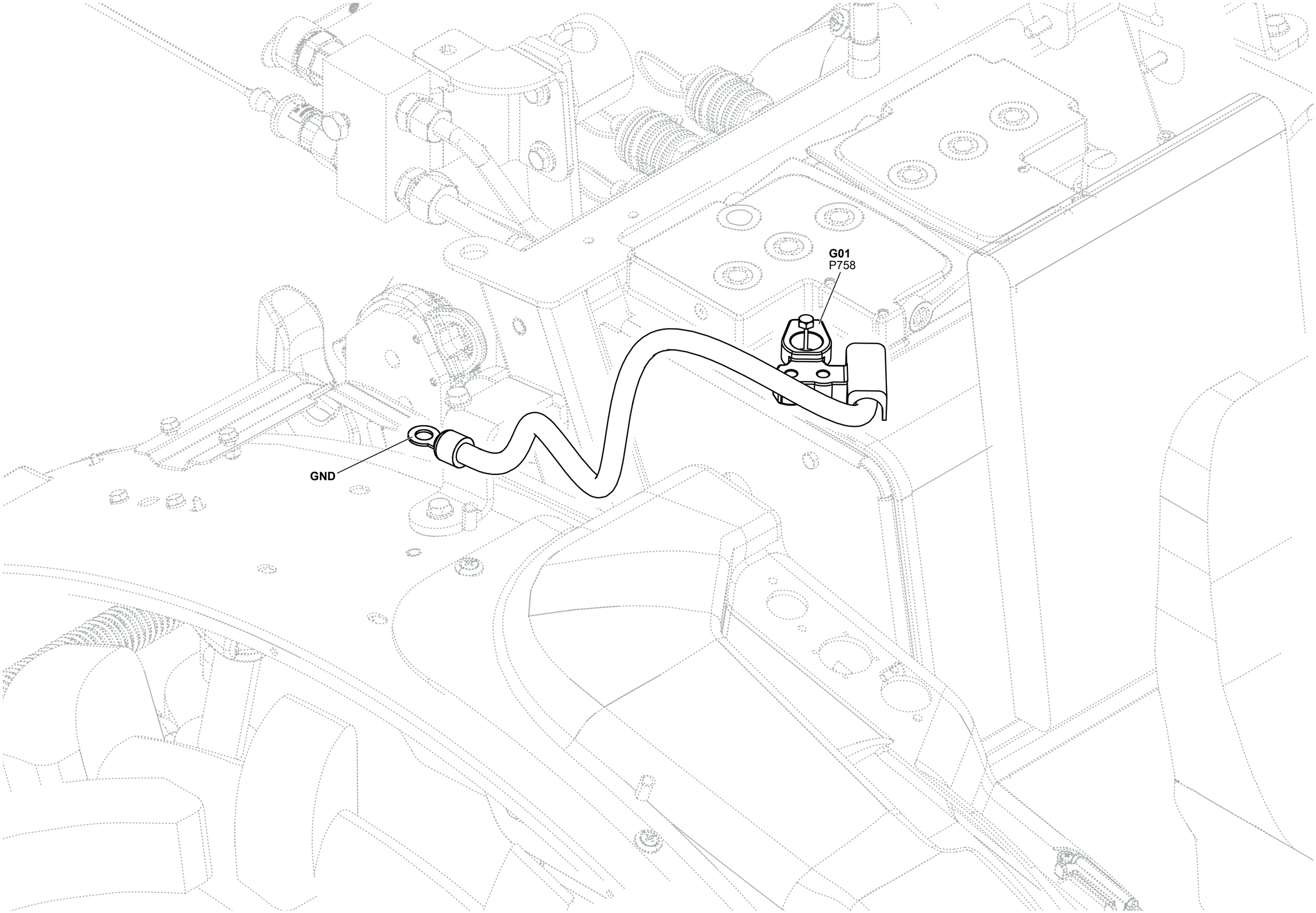
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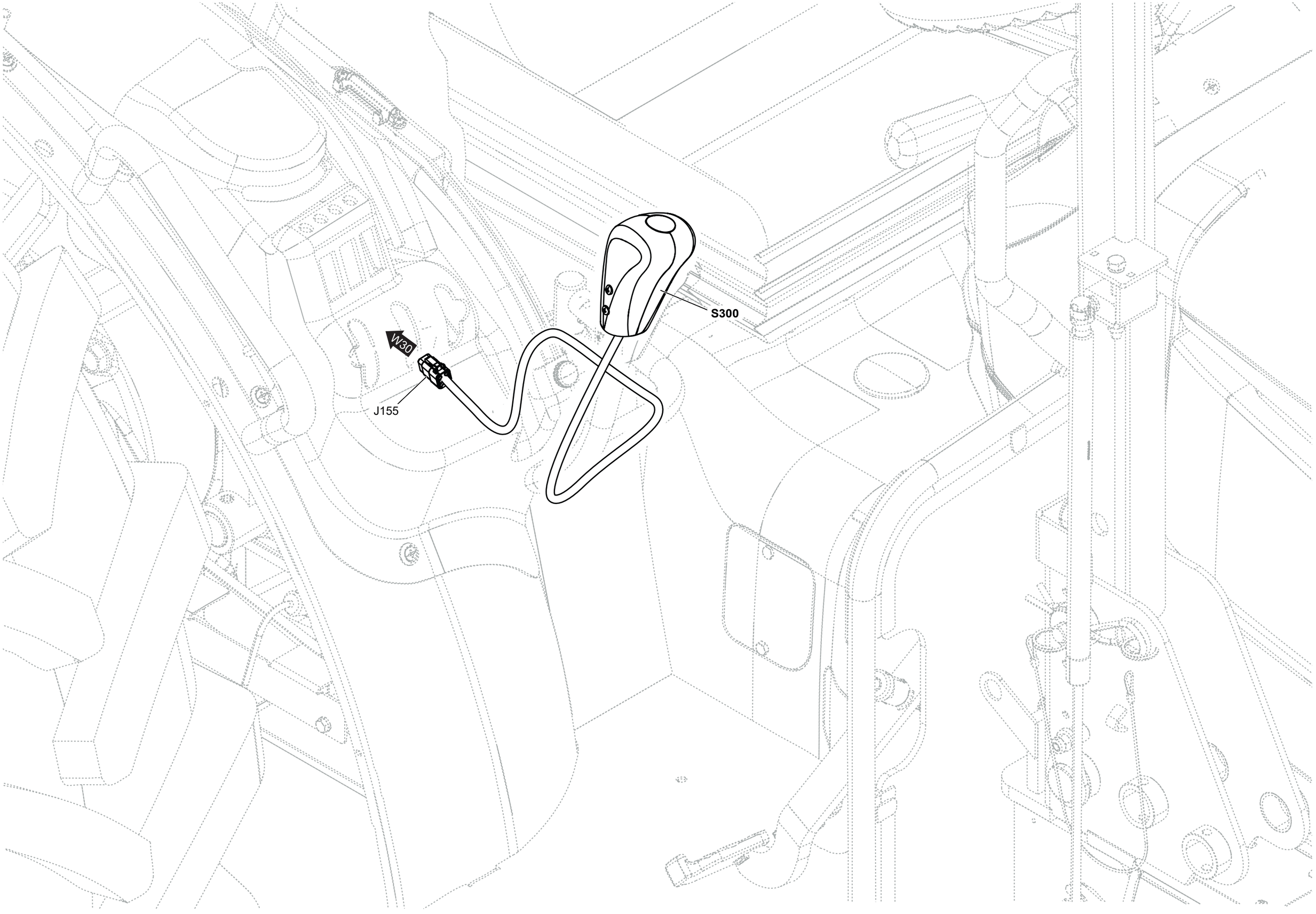
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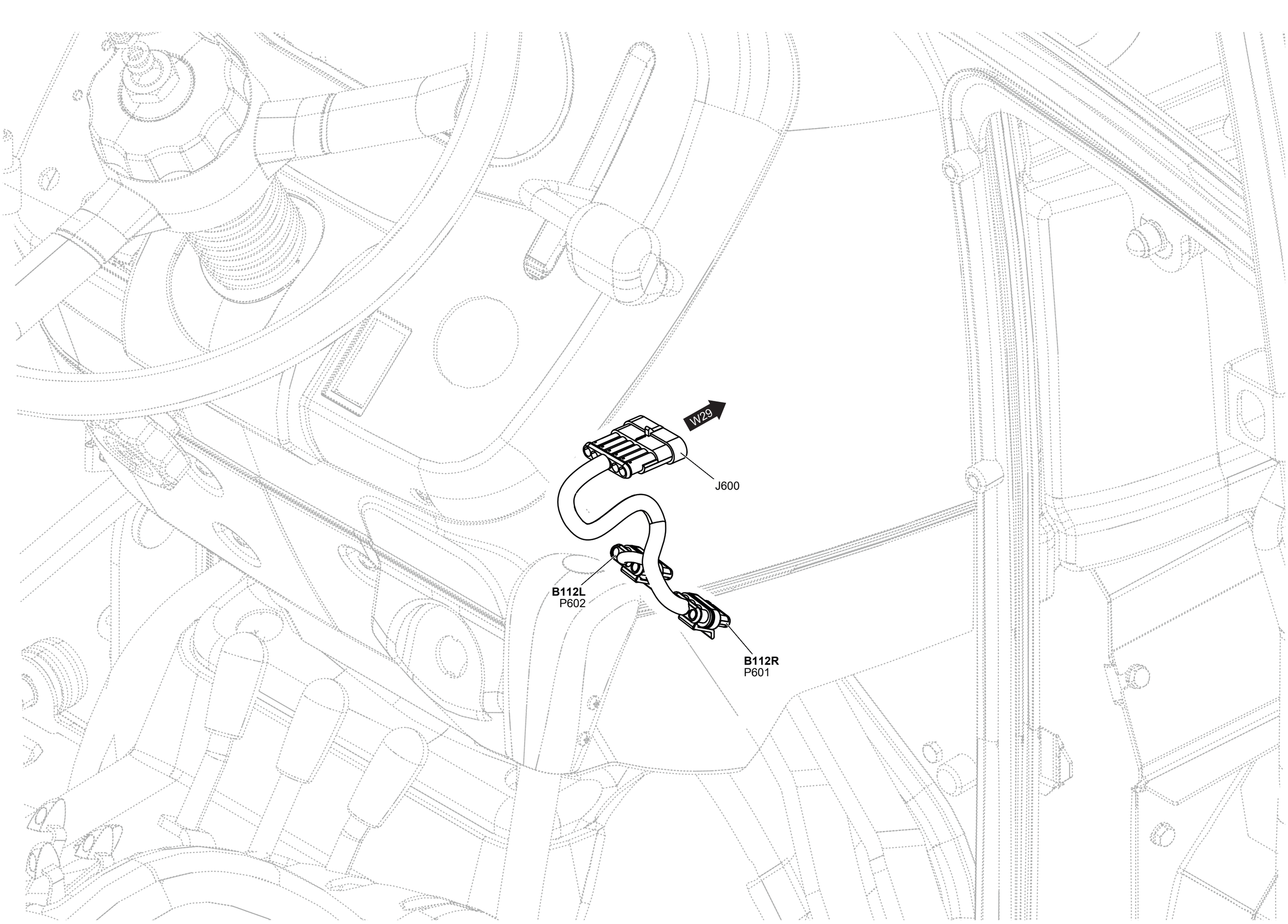
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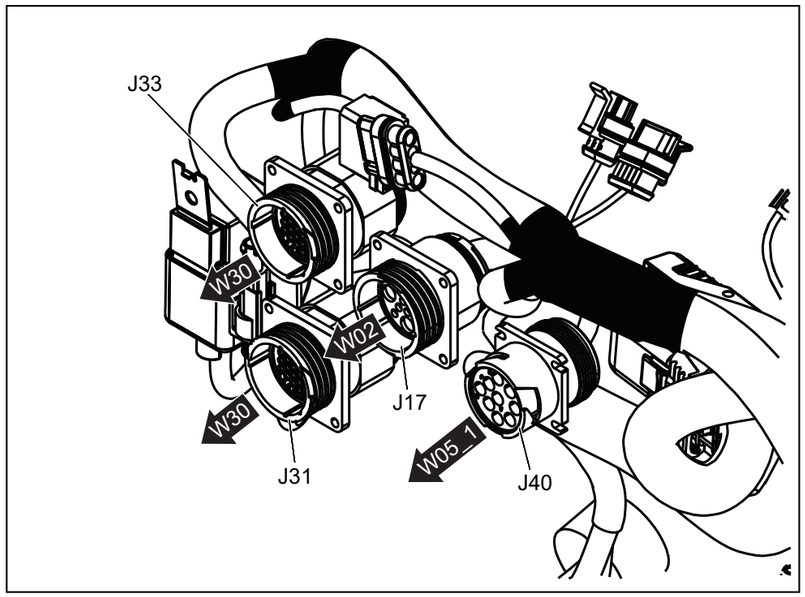
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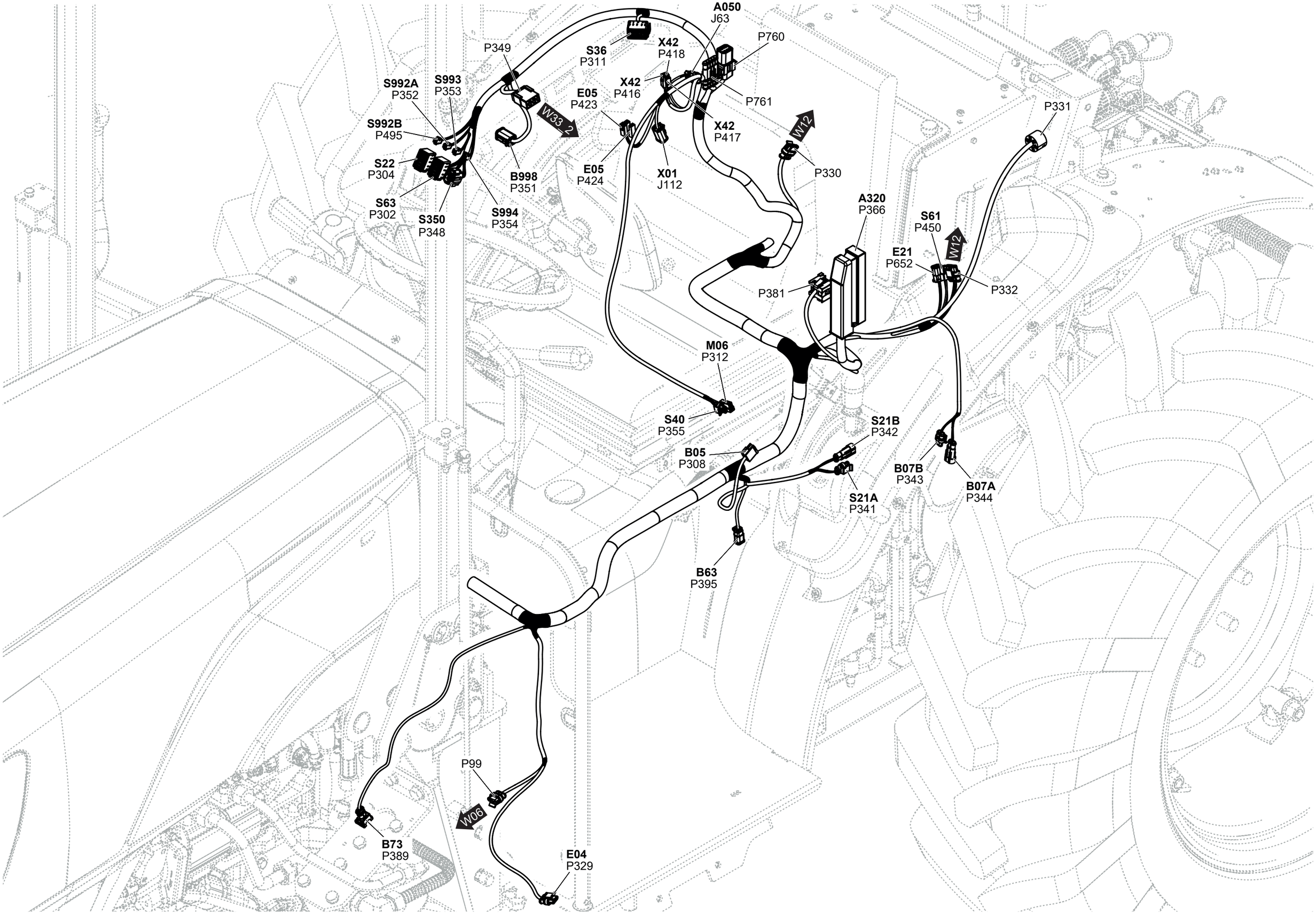
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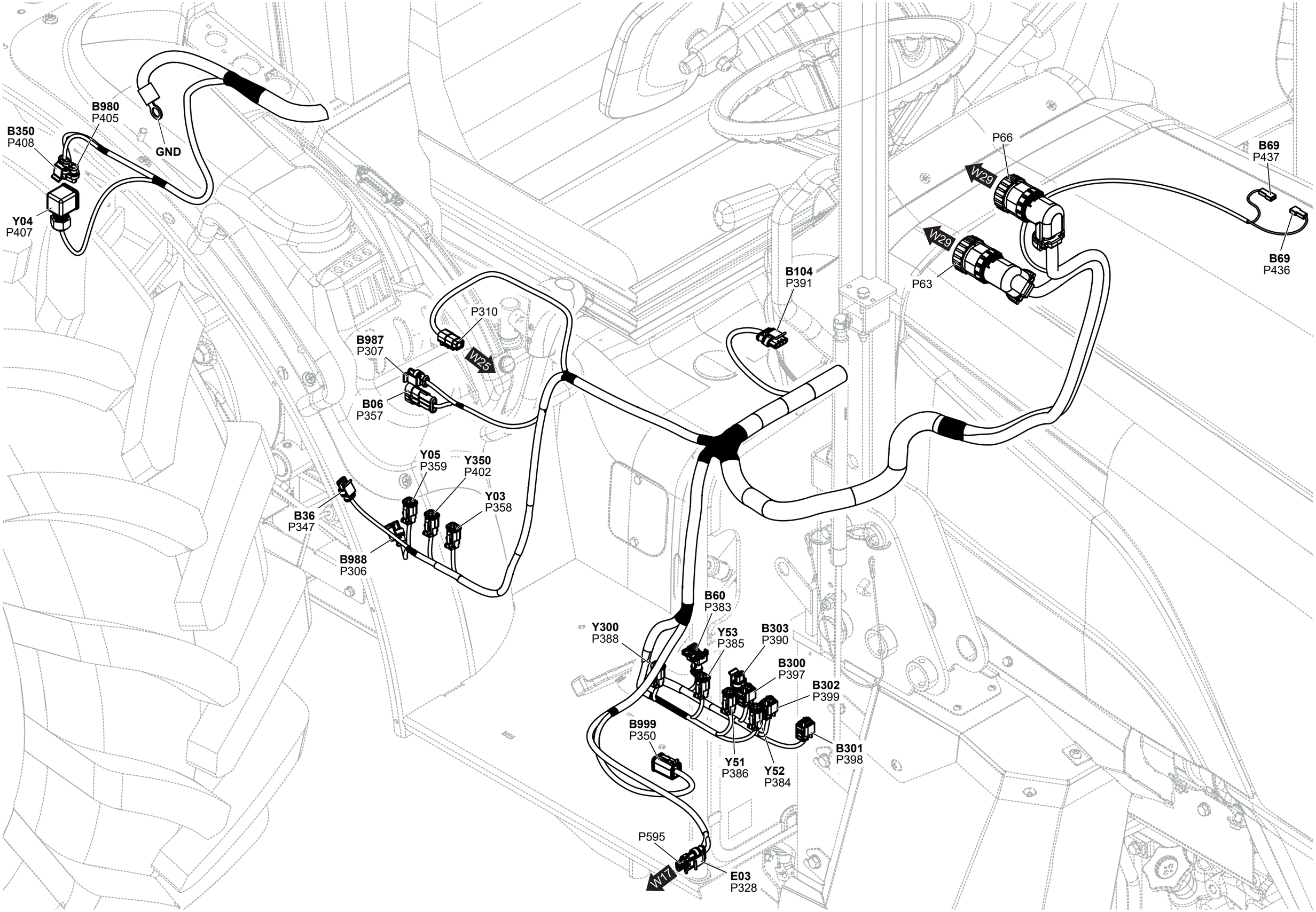
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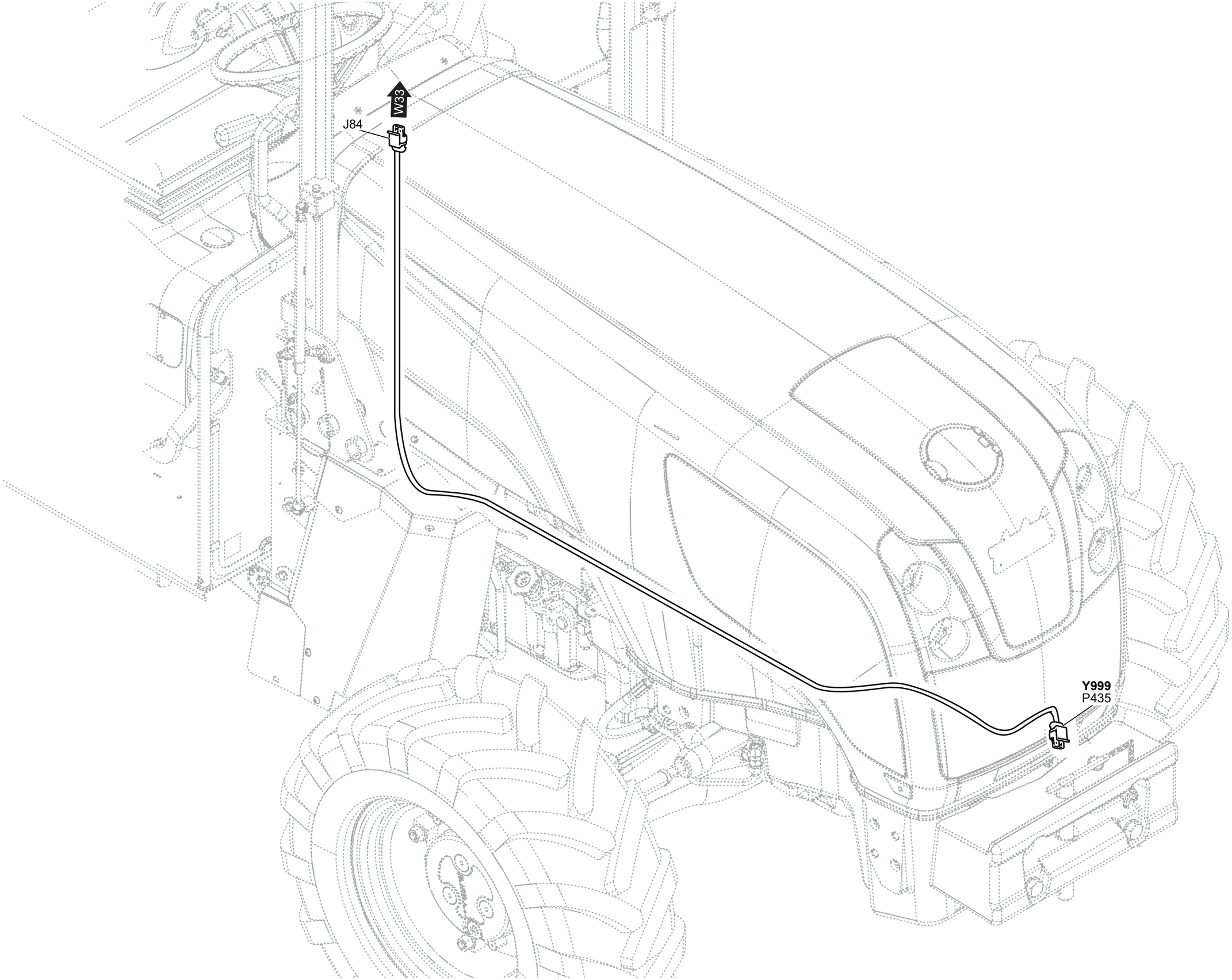
P431
W33
K08
P326
H80
P314
K01
P339
P612
P298
S09
P364
A330
P74
S09
P333
S72
P374
W29_1
P685
B64
P369
B65
P372
S106
P327
S990
P322
S991
P321
P313
P375
S01
P340
P289
S20
P368
P481



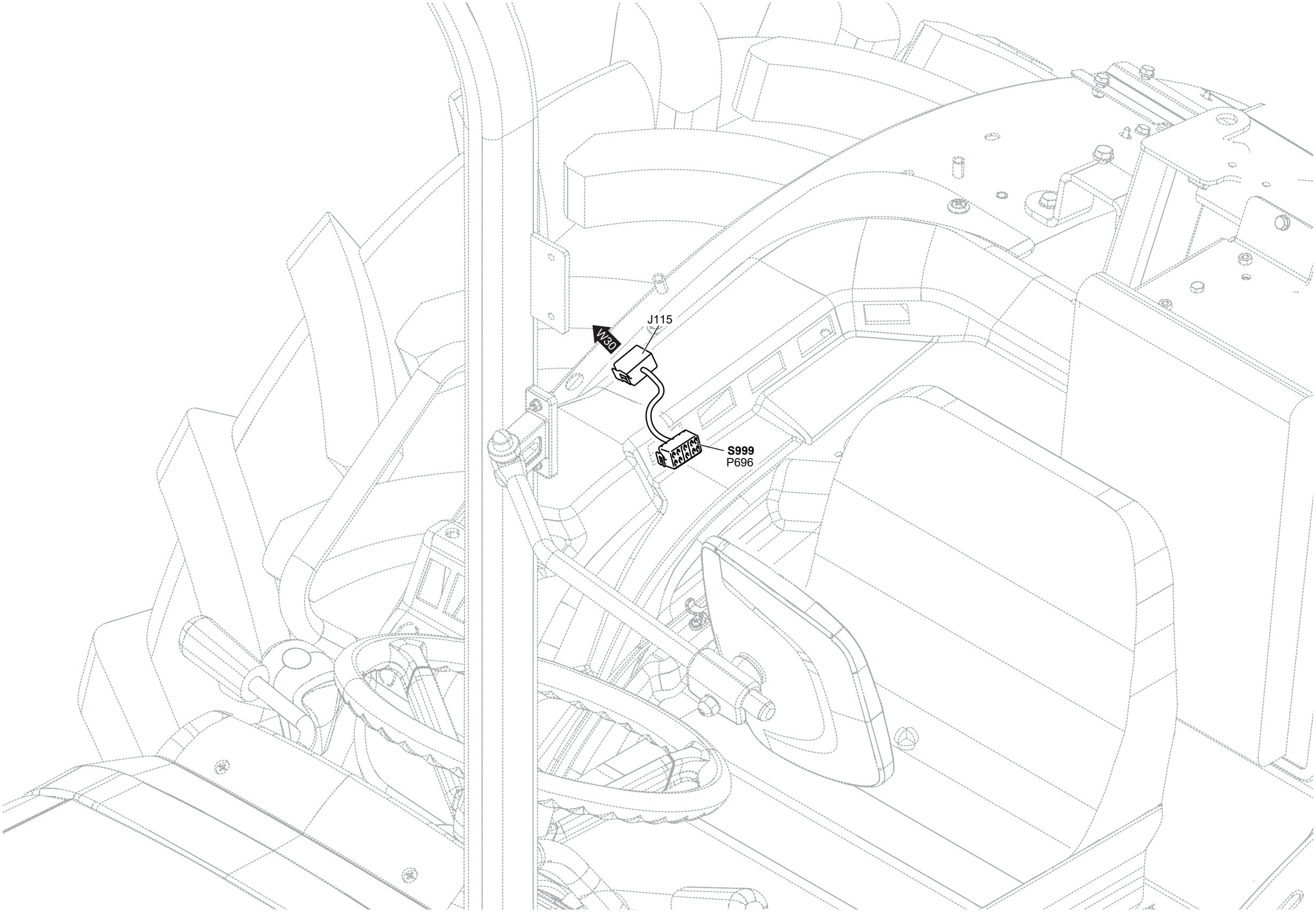
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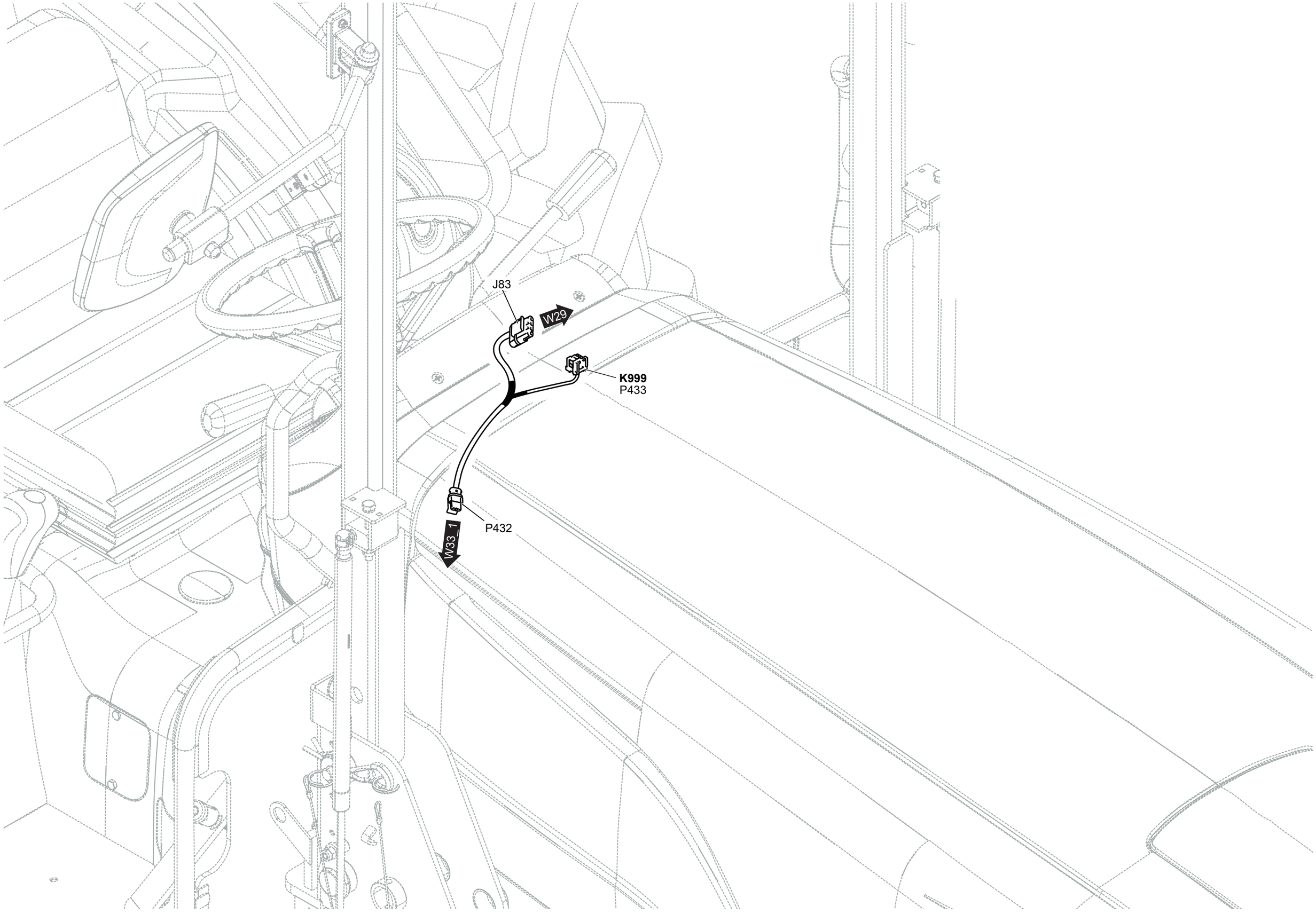
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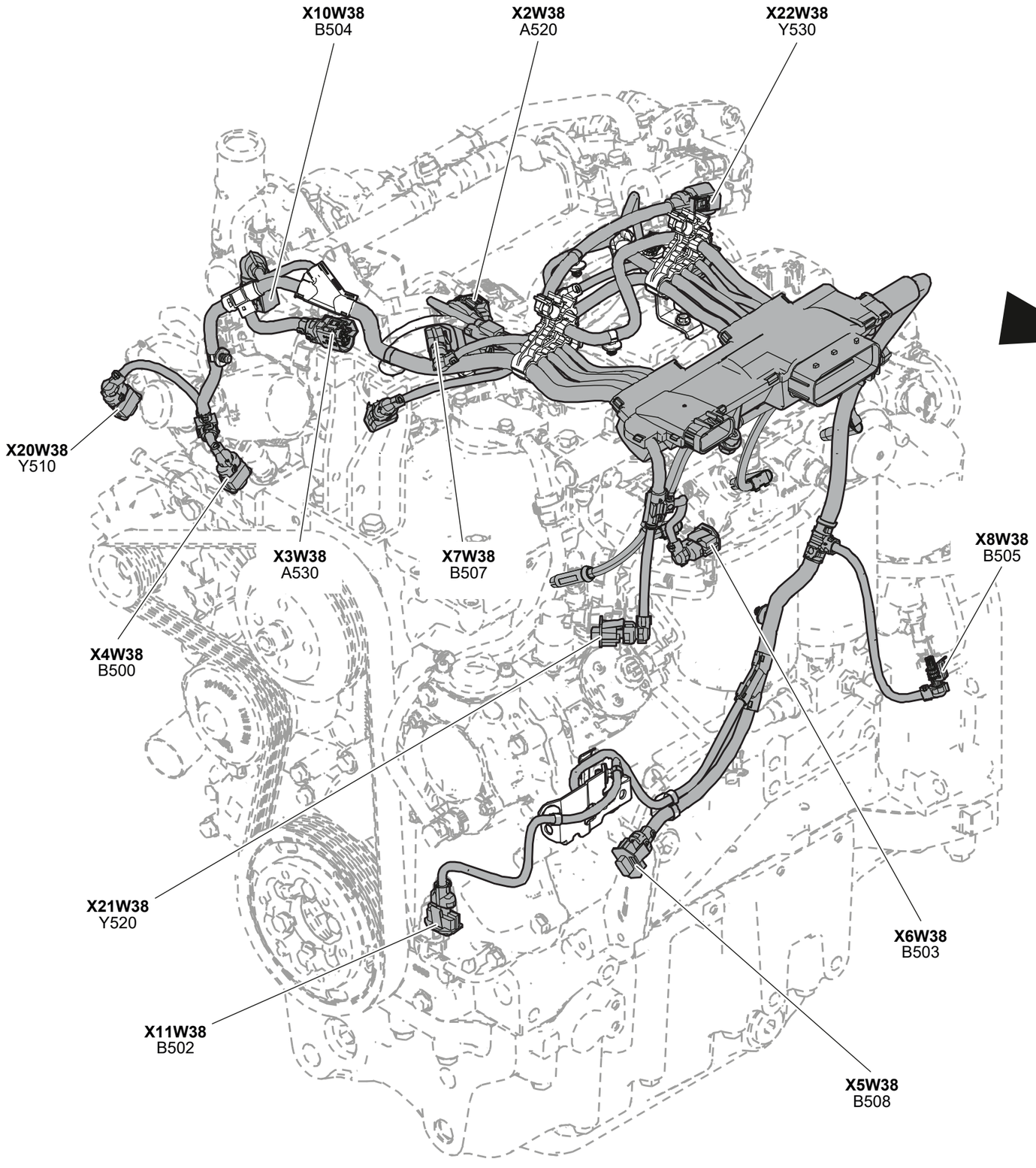
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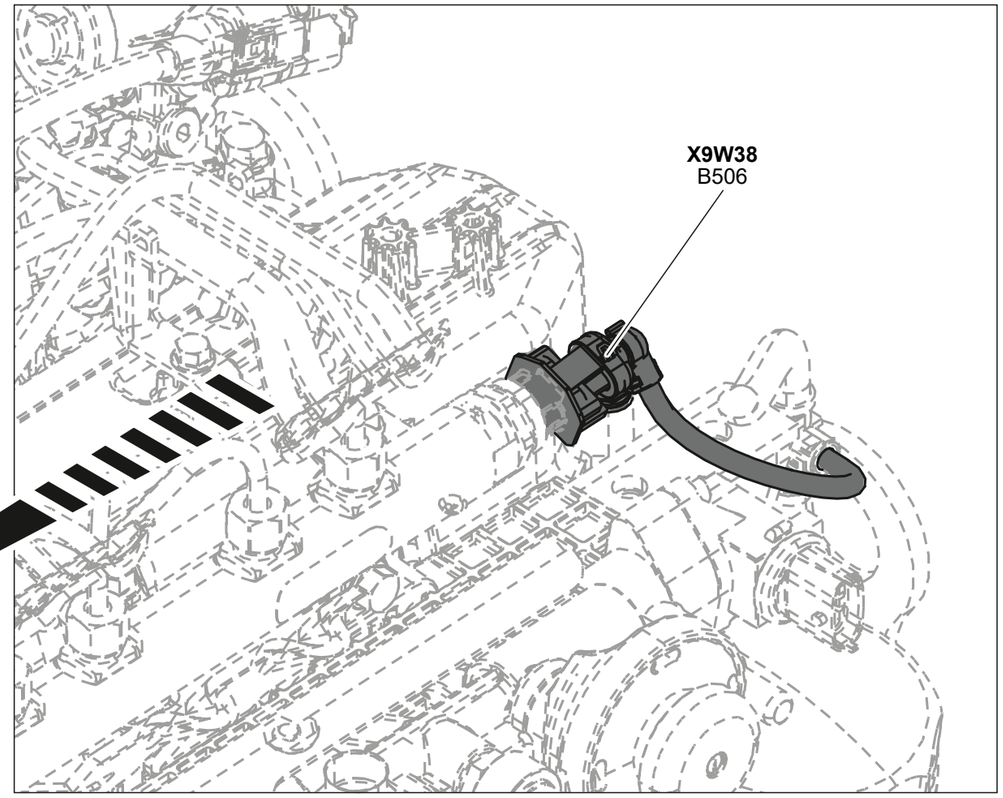


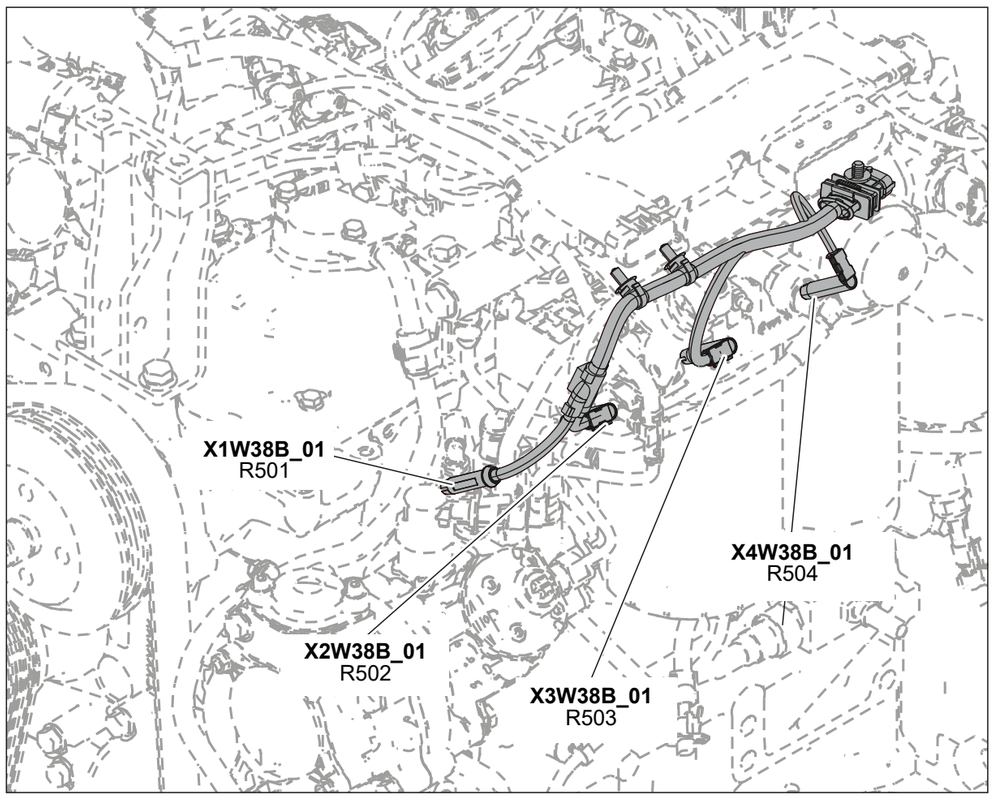
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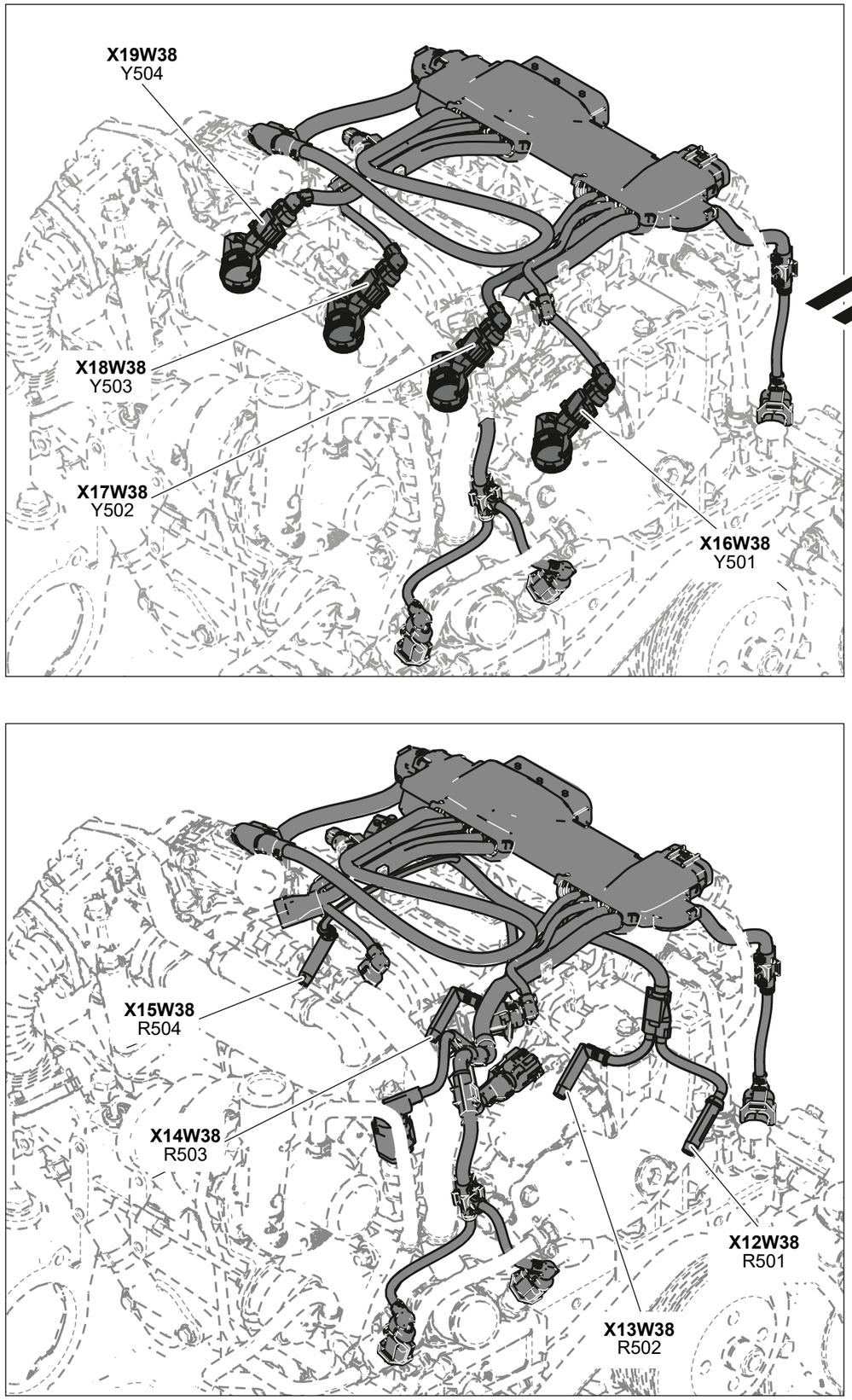


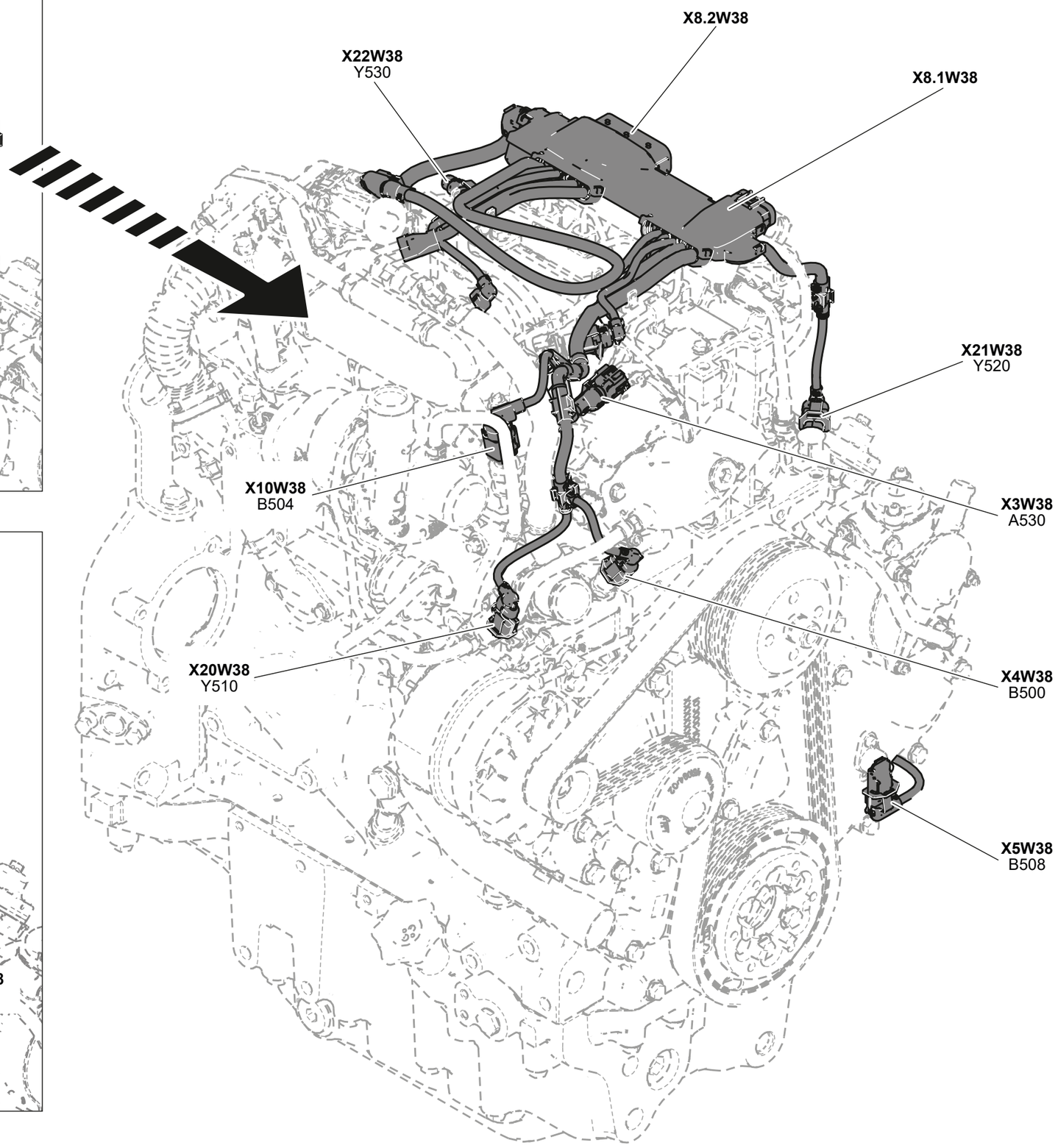
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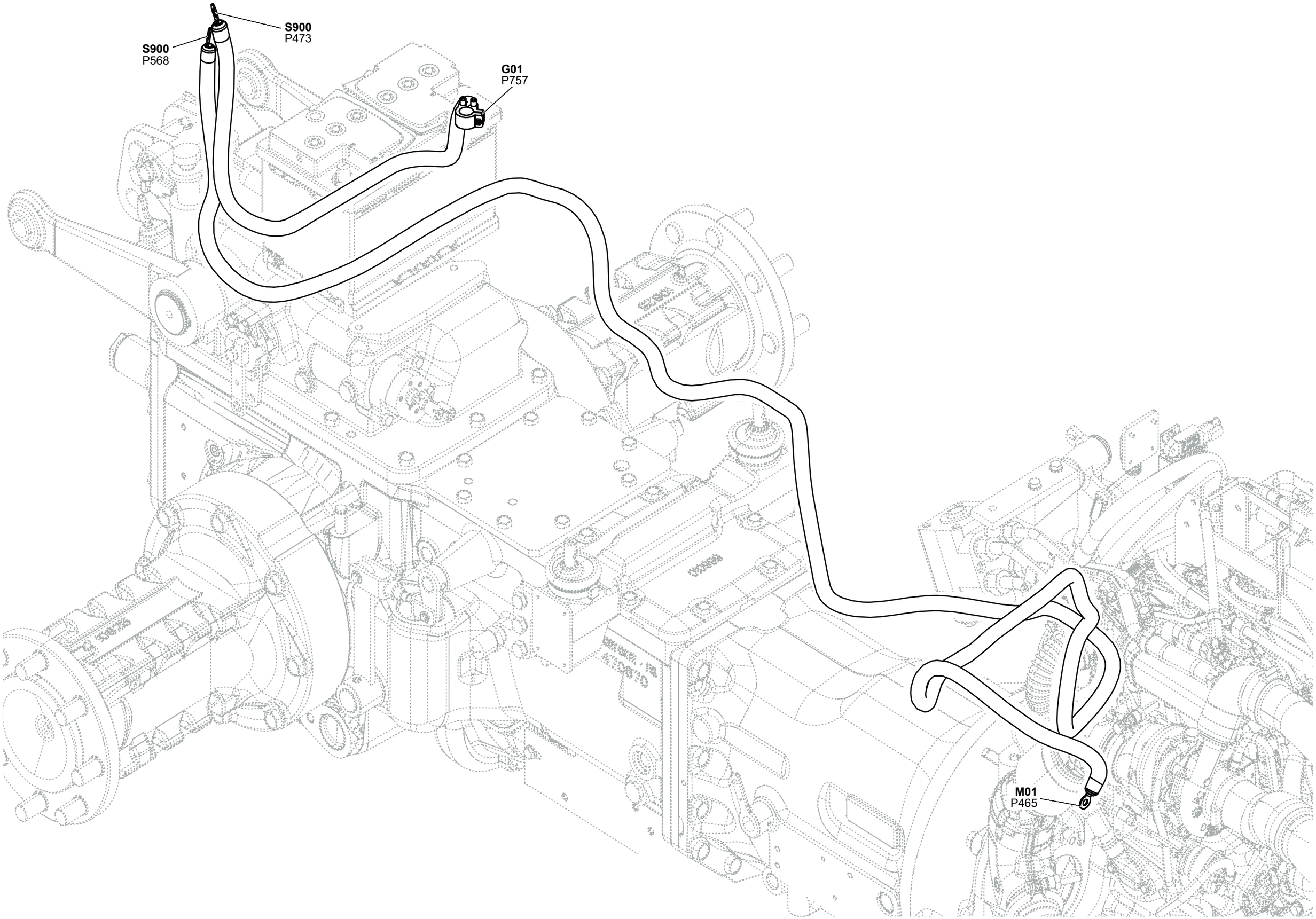

X10W38
B504
X2W38
A520
X22W38
Y530
X20W38
Y510
X3W38
A530
X7W38
B507
X8W38
B505
X4W38
B500
X21W38
Y520
X6W38
B503
X11W38
B502
X5W38
B508


X9W38
B506

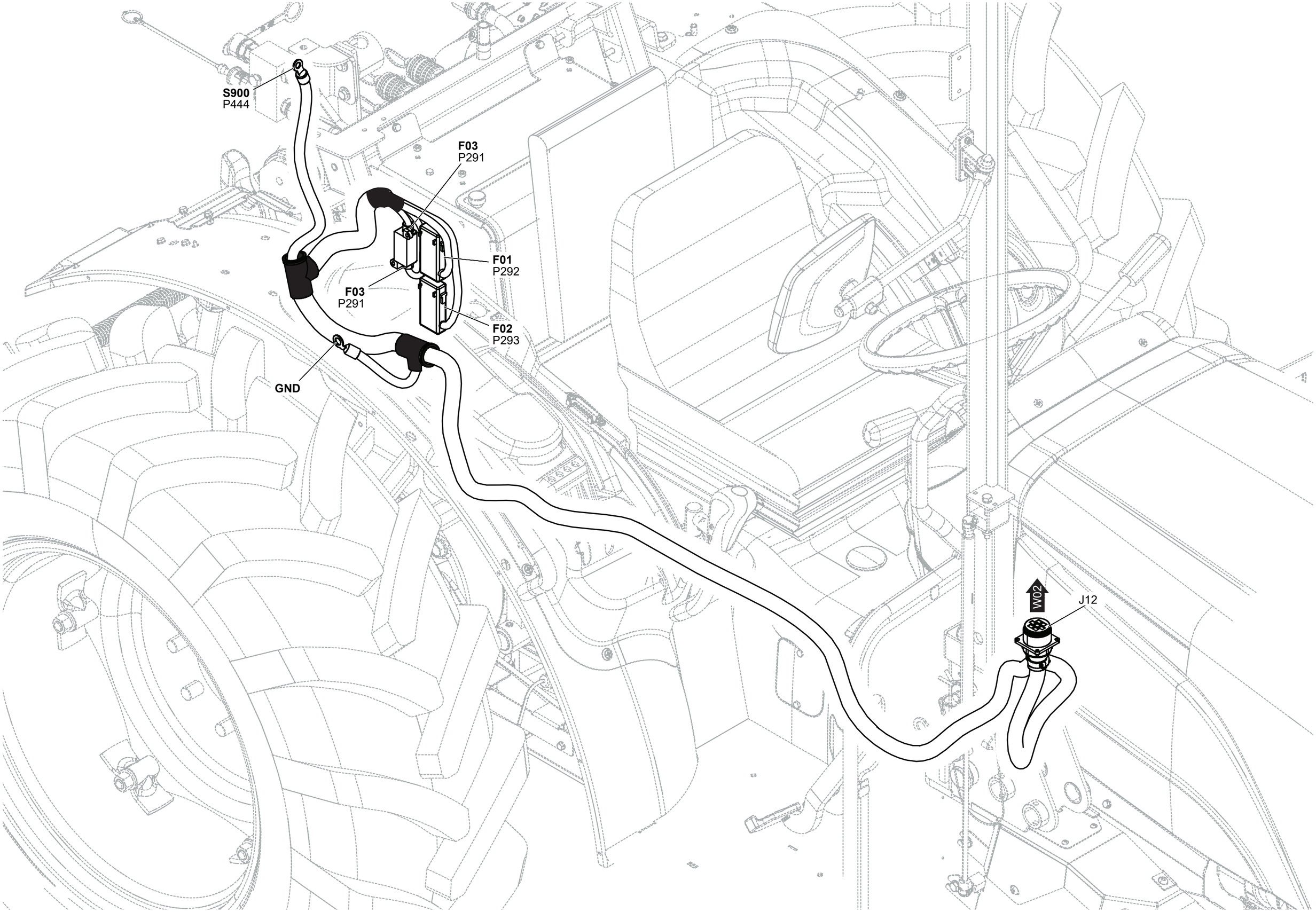

X1W38B_01
R501
X4W38B_01
R504
X2W38B_01
R502
X3W38B_01
R503


X19W38
Y504
X18W38
Y503
X17W38
Y502
X16W38
Y501
X15W38
R504
X14W38
R503
X12W38
R501
X13W38
R502

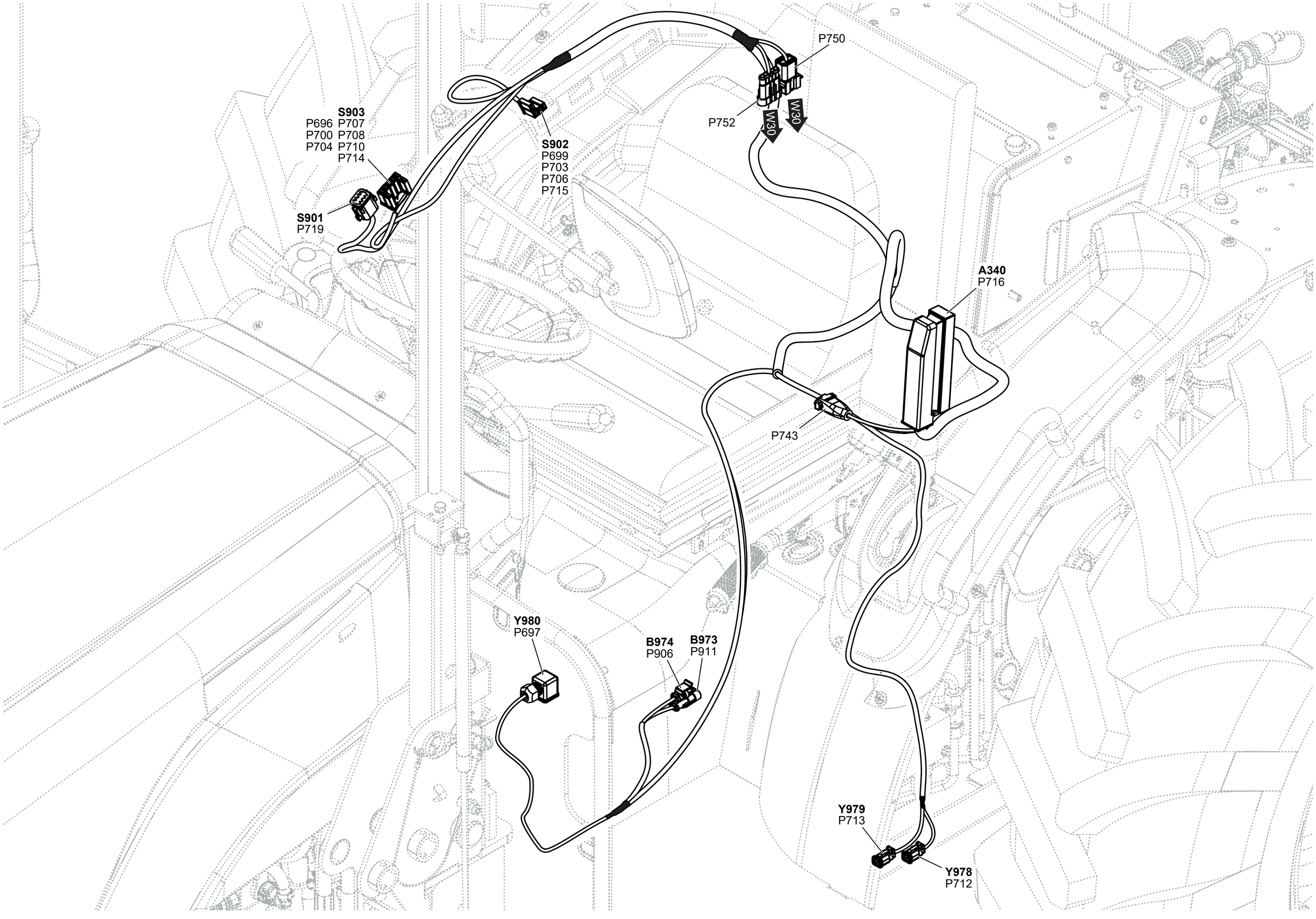

X8.2W38
X22W38
Y530
X8.1W38
X21W38
Y520
X10W38
B504
X3W38
A530
X20W38
Y510
X4W38
B500
X5W38
B508



W45_1_AG_OUT_464767_B_0_20200116

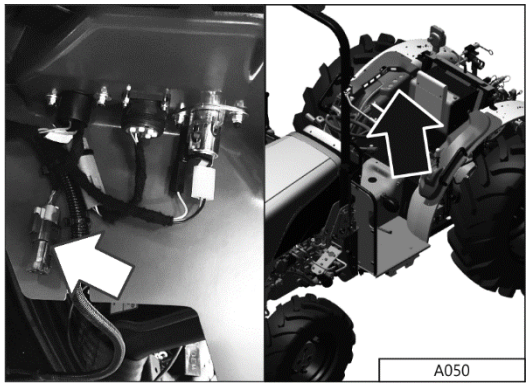


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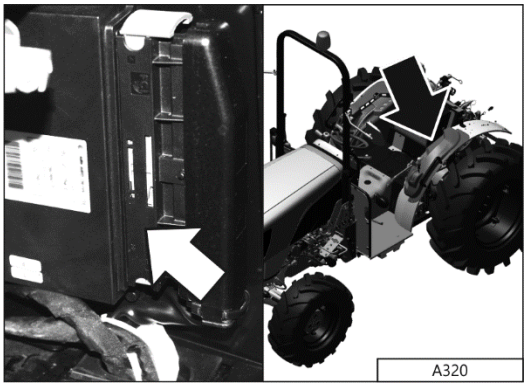


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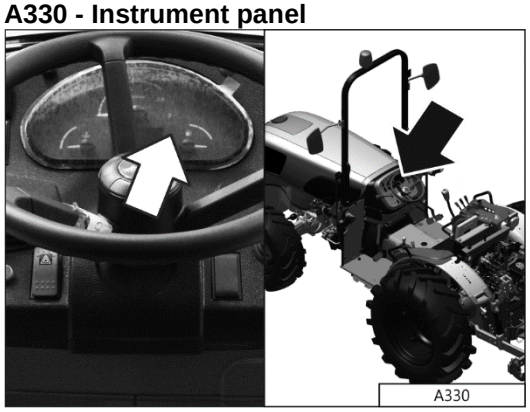
A050 - CAN Bus resistor



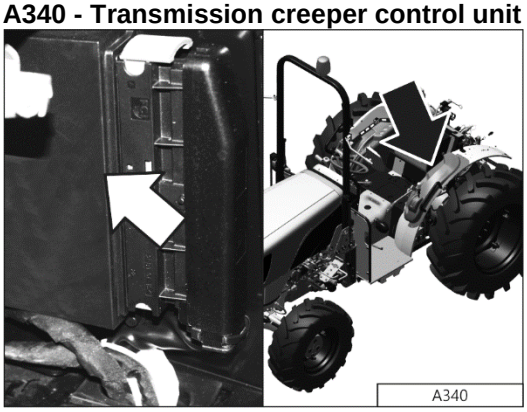
A320 - Transmission control unit



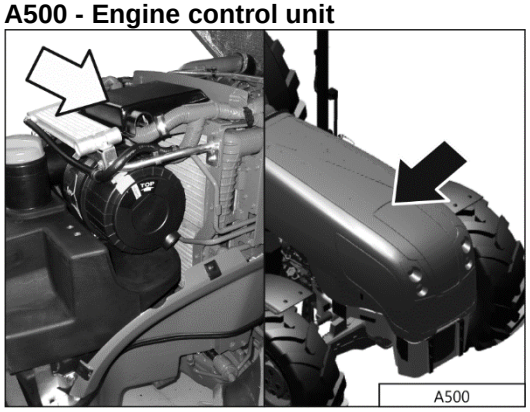
A330 - Instrument panel



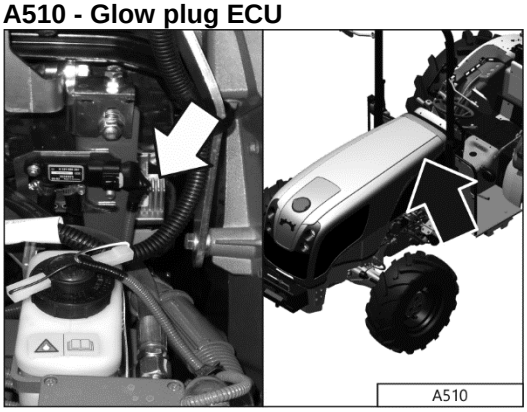
A340 - Transmission creeper control unit



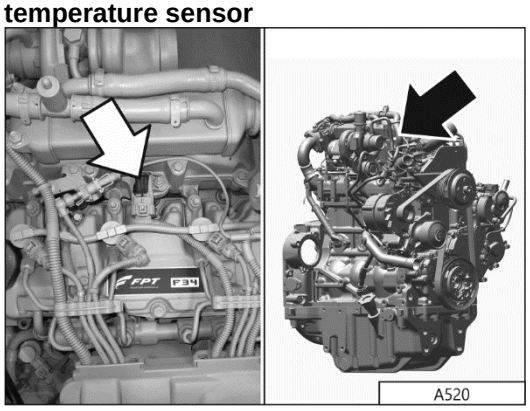
A500 - Engine control unit



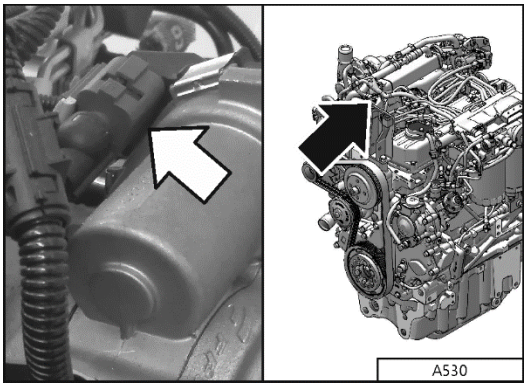
A510 - Glow plug ECU



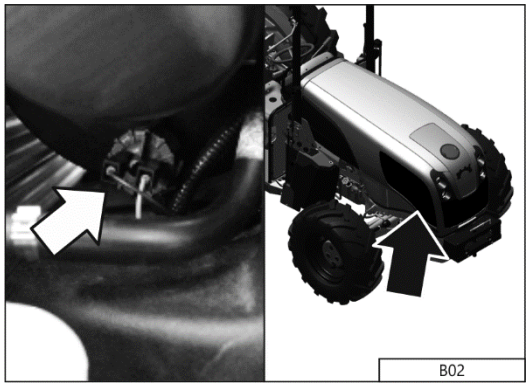
A520 - Boost pressure with air temperature sensor



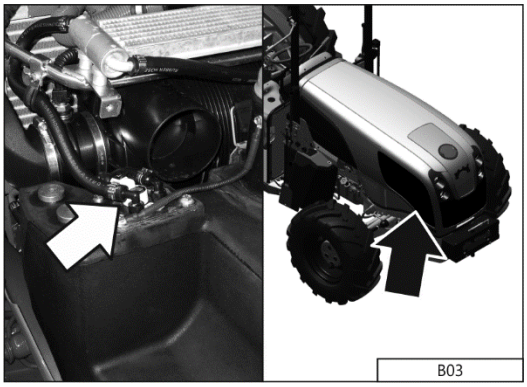
A530 - Actuator for throttle TVA



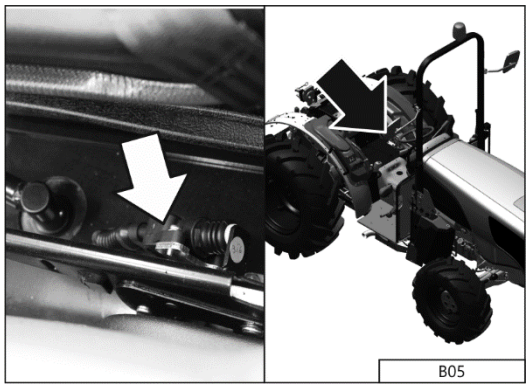
B02 - Air filter switch



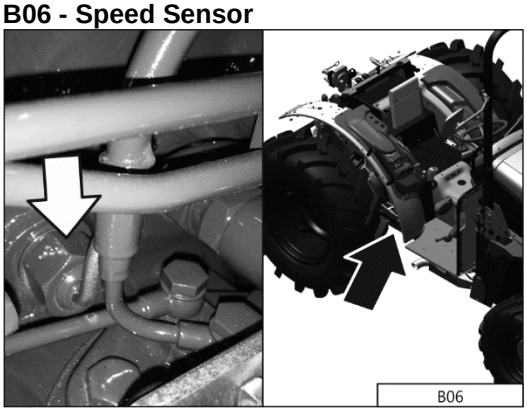
B03 - Fuel level sensor



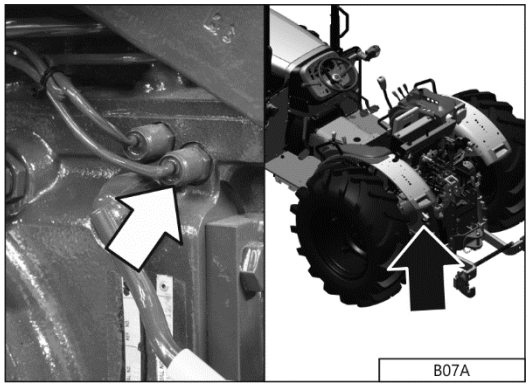
B05 - Hand brake switch



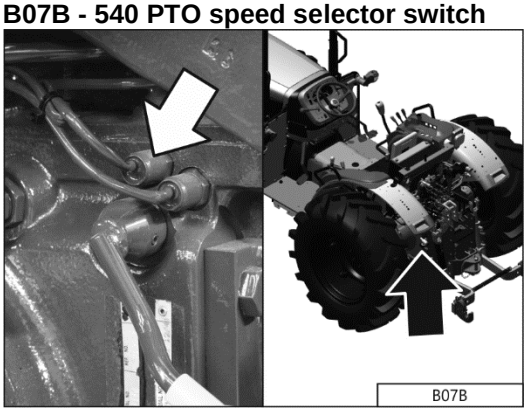
B06 - Speed Sensor



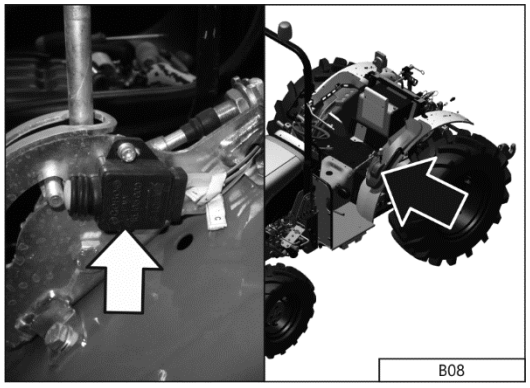
B07A – 540E/1000 PTO speed selector switch



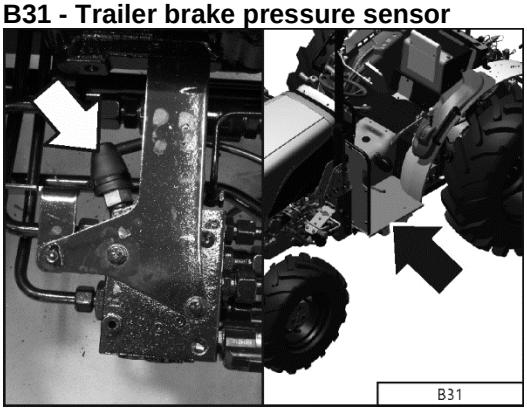
B07B - 540 PTO speed selector switch



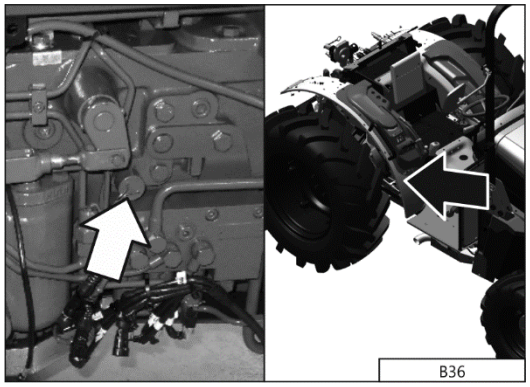
B08 - Mechanical PTO switch



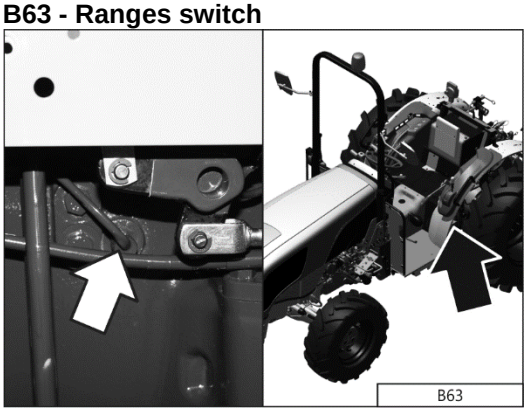
B31 - Trailer brake pressure sensor



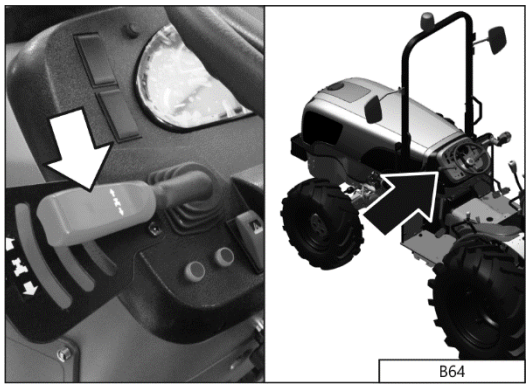
B36 - Neutral start switch



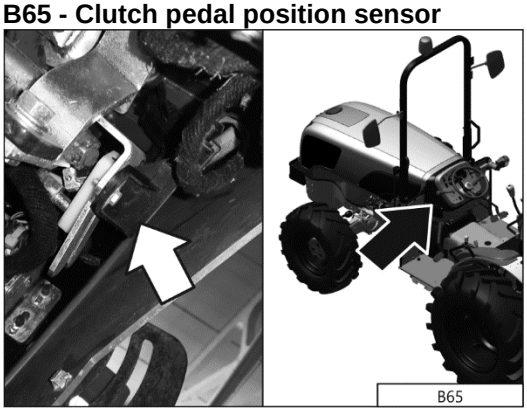
B63 - Ranges switch



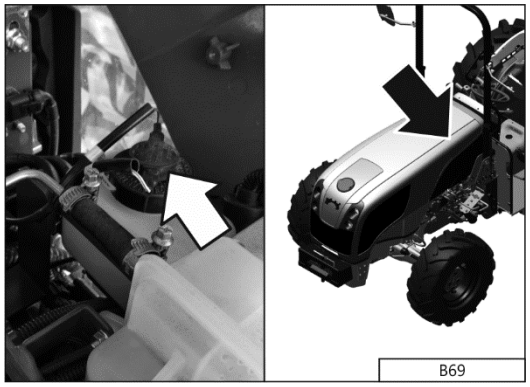
B64 - FNR lever



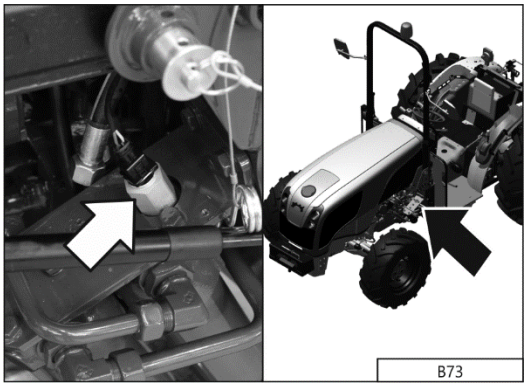
B65 - Clutch pedal position sensor



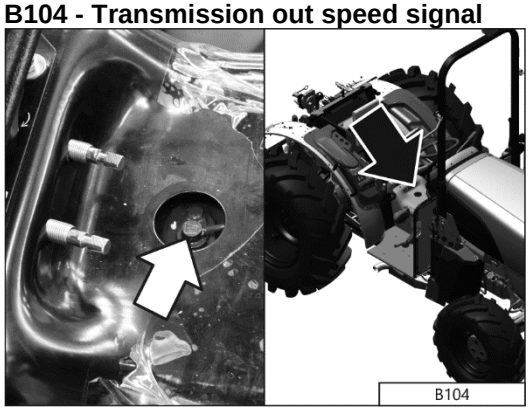
B69 - Brakes oil level switch



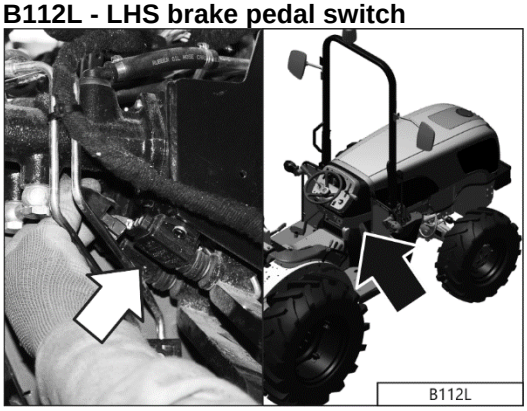
B73 - Transmission oil filter clogged switch



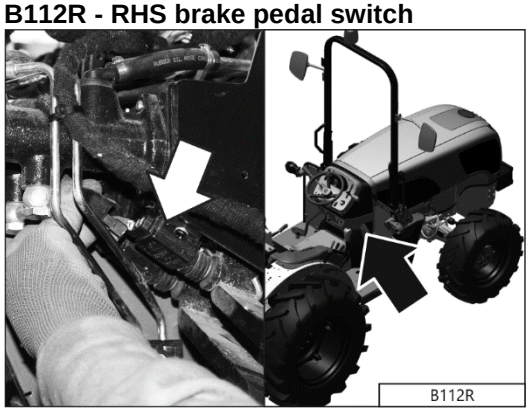
B104 - Transmission out speed signal



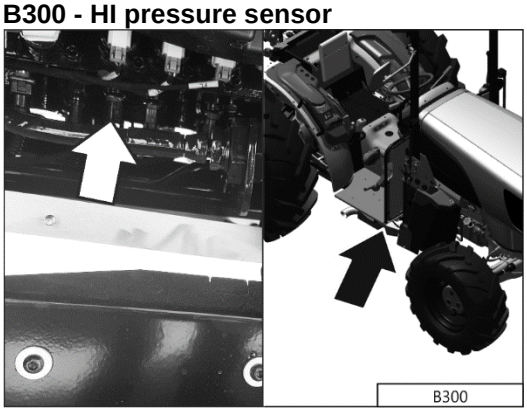
B112L - LHS brake pedal switch



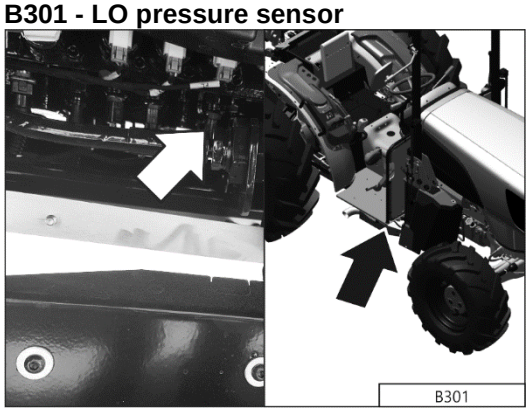
B112R - RHS brake pedal switch



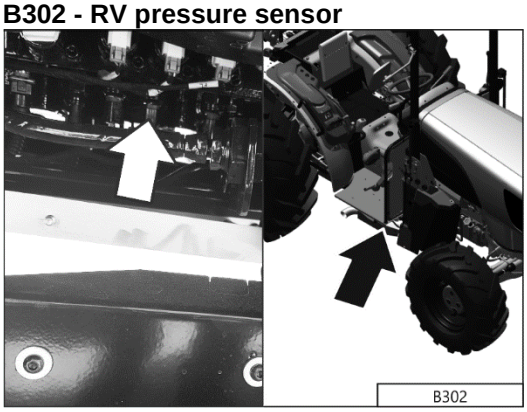
B300 - HI pressure sensor



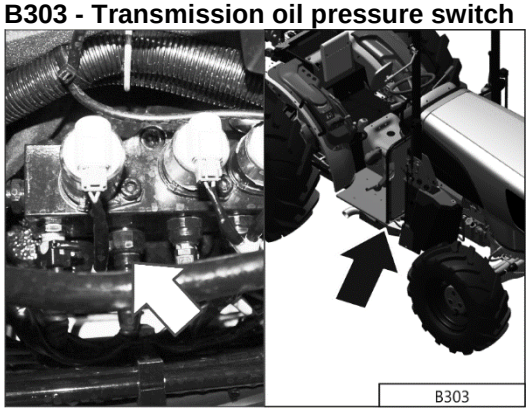
B301 - LO pressure sensor



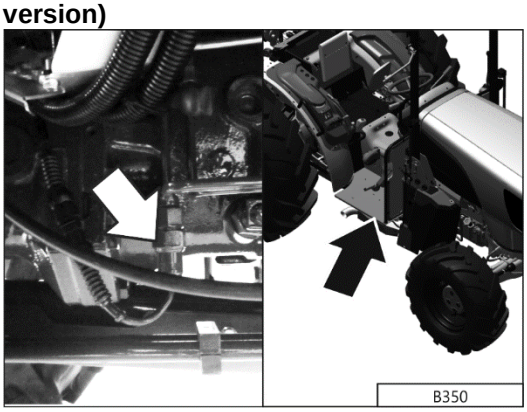
B302 - RV pressure sensor



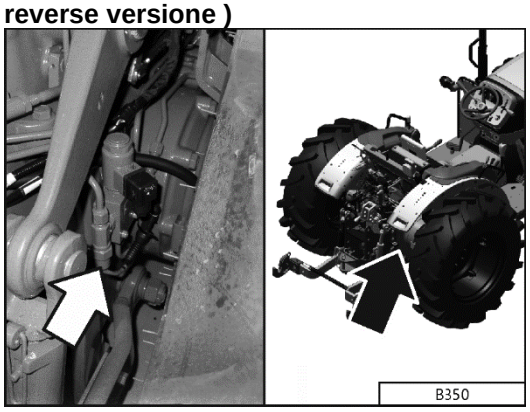
B303 - Transmission oil pressure switch



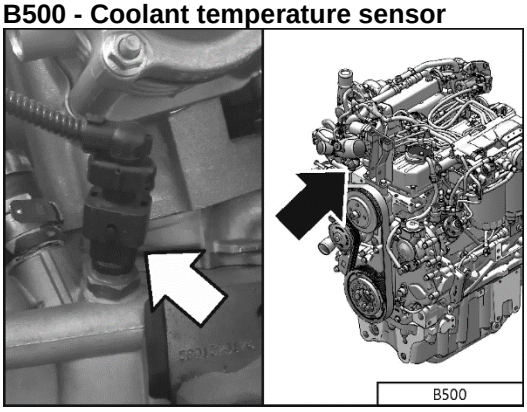
B350 - PTO pressure switch (Mechanical version)



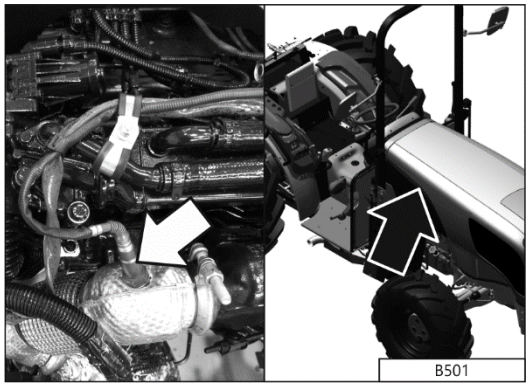
B350 - PTO pressure switch (Power reverse versione)



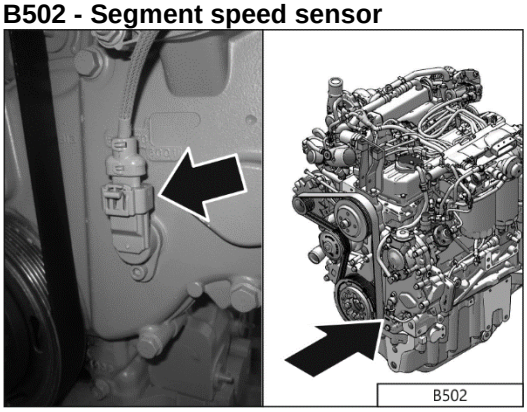
B500 - Coolant temperature sensor



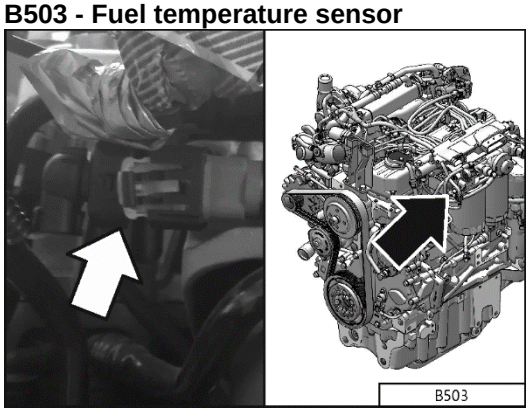
B501 - Lambda sond



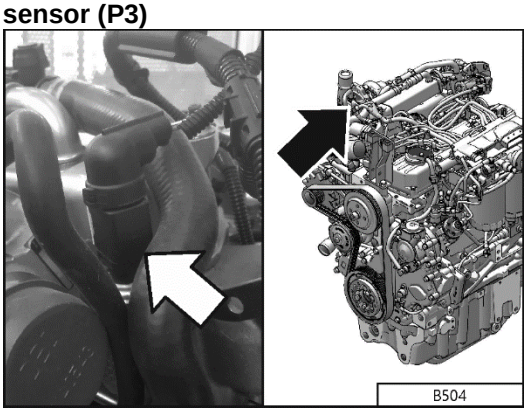
B502 - Segment speed sensor



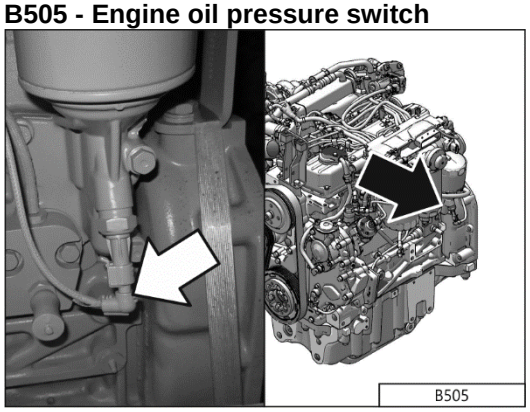
B503 - Fuel temperature sensor



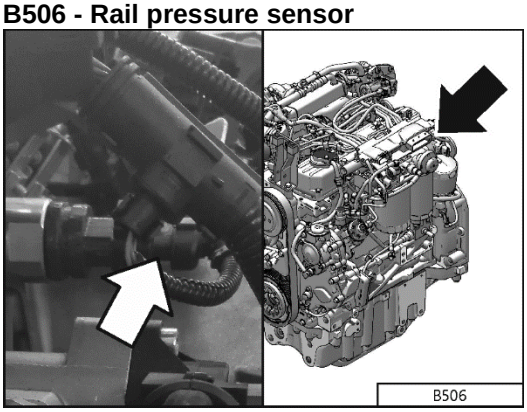
B504 - Exhaust gas absolute pressure sensor (P3)



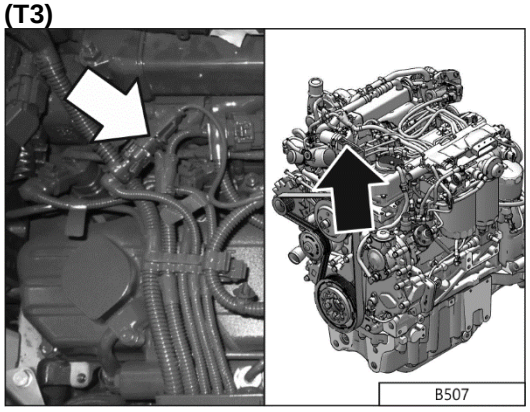
B505 - Engine oil pressure switch



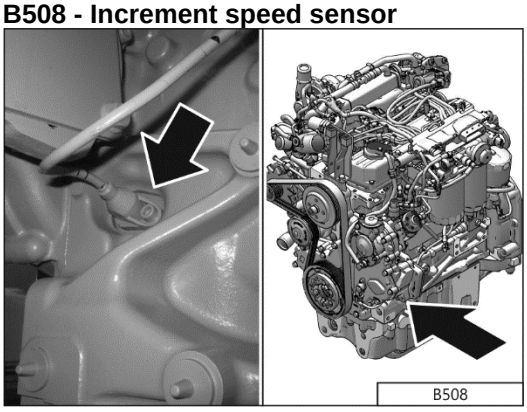
B506 - Rail pressure sensor



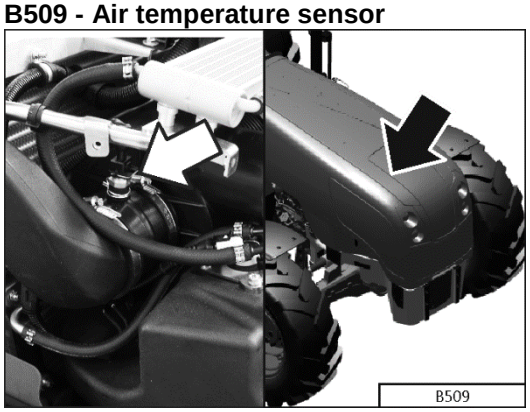
B507 - Exhaust gas temperature sensor (T3)



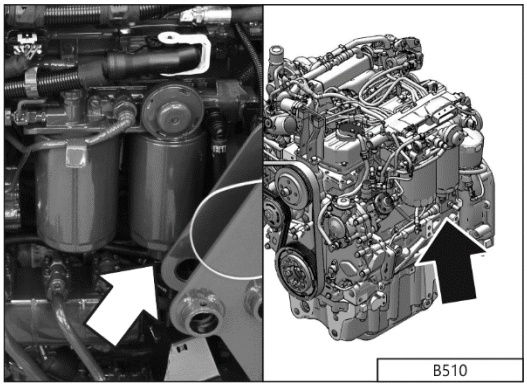
B508 - Increment speed sensor



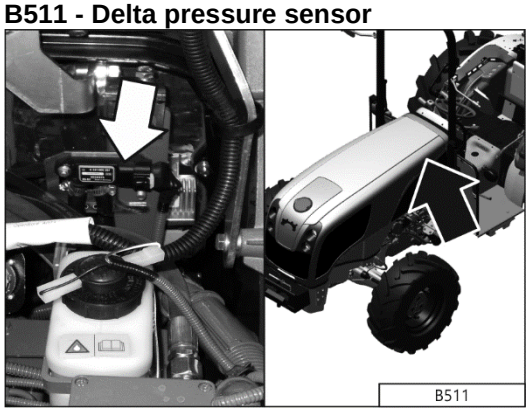
B509 - Air temperature sensor



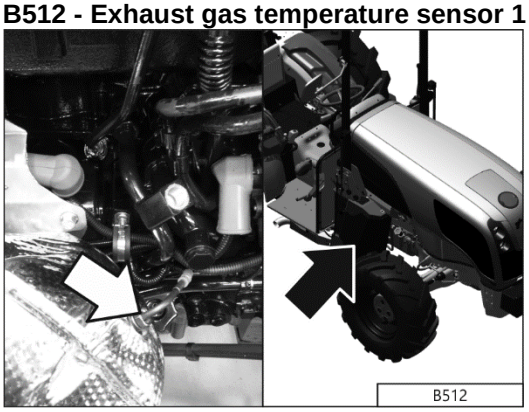
B510 - Water in fuel switch



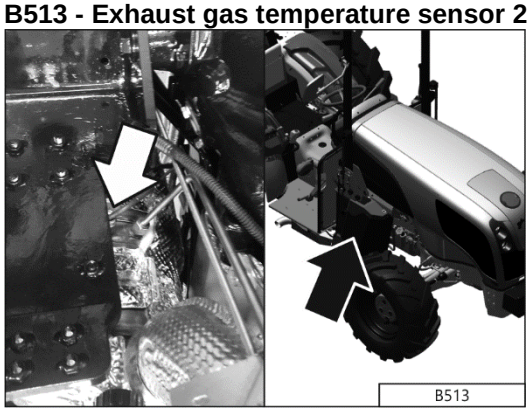
B511 - Delta pressure sensor



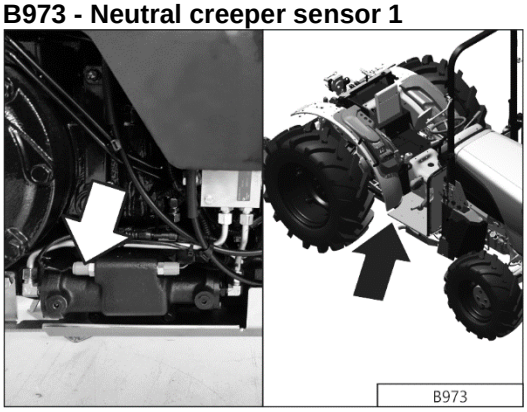
B512 - Exhaust gas temperature sensor 1



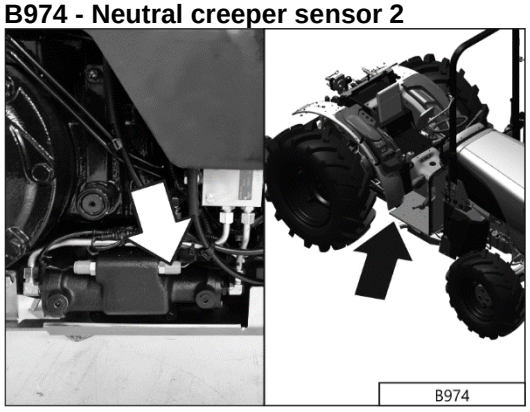
B513 - Exhaust gas temperature sensor 2



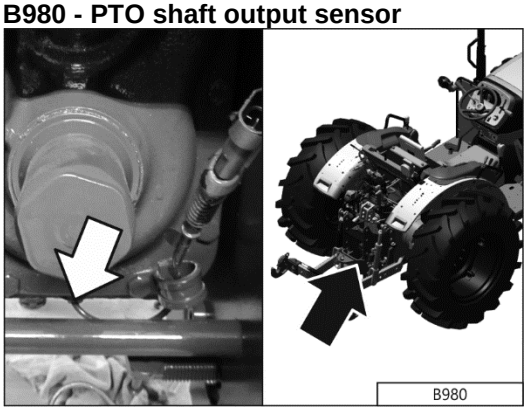
B973 - Neutral creeper sensor 1



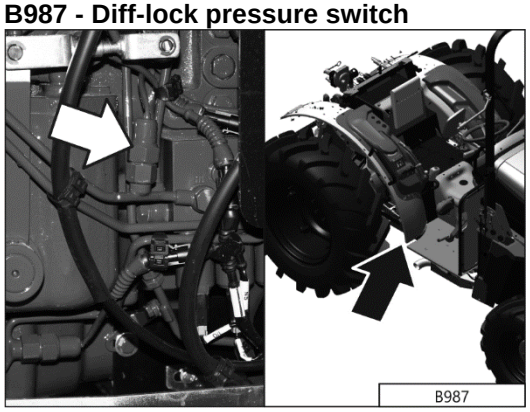
B974 - Neutral creeper sensor 2



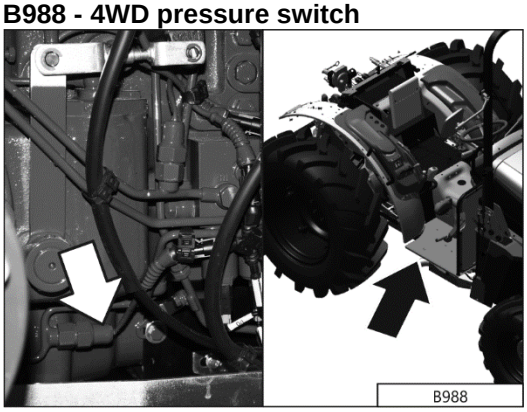
B980 - PTO shaft output sensor



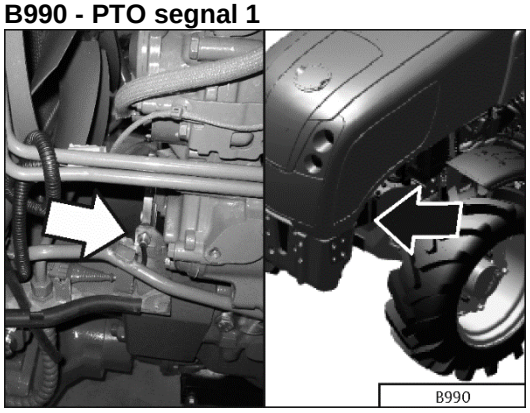
B987 - Diff-lock pressure switch



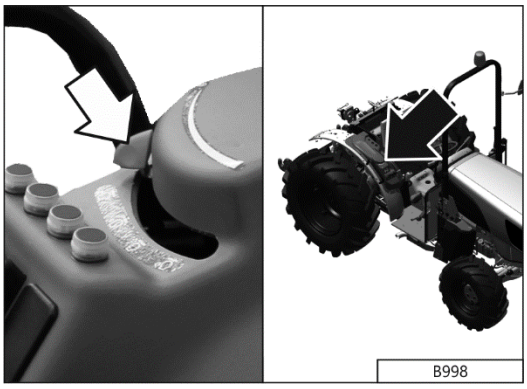
B988 - 4WD pressure switch



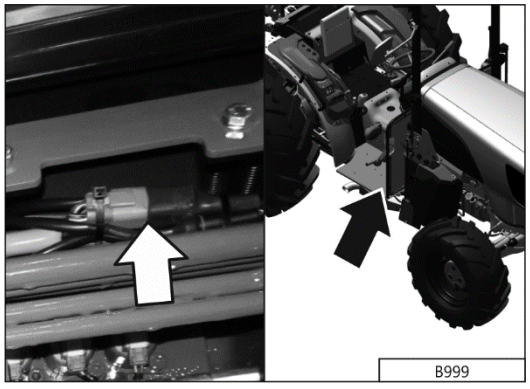
B990 - PTO segnal 1



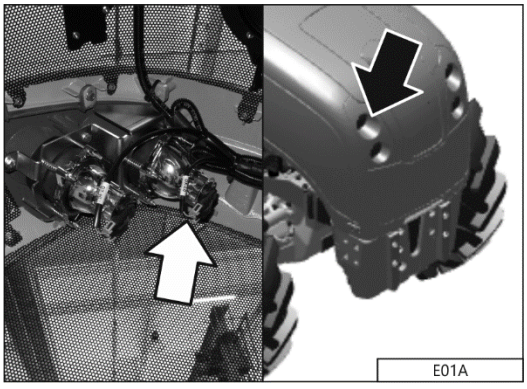
B998 - Hand throttle sensor



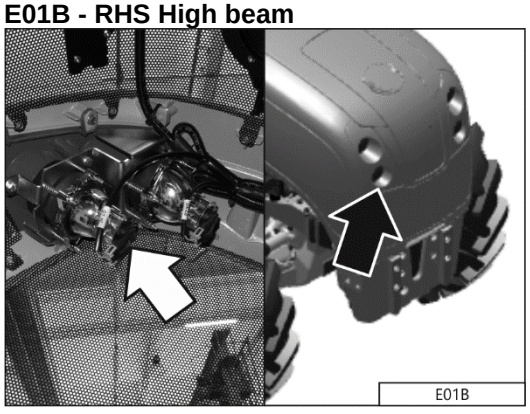
B999 - Foot throttle sensor



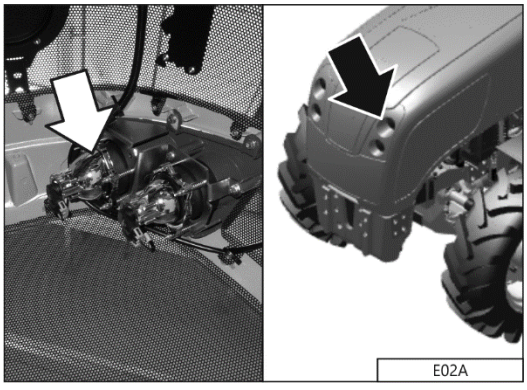
E01A - RHS Low beam



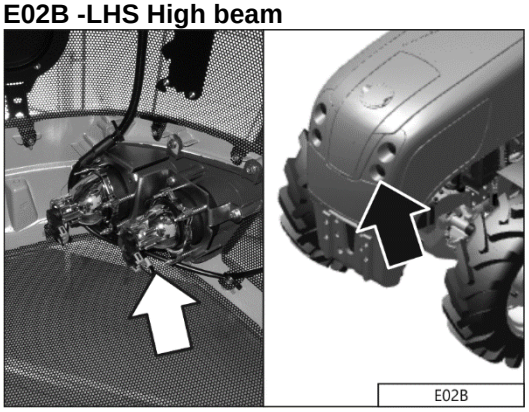
E01B - RHS High beam



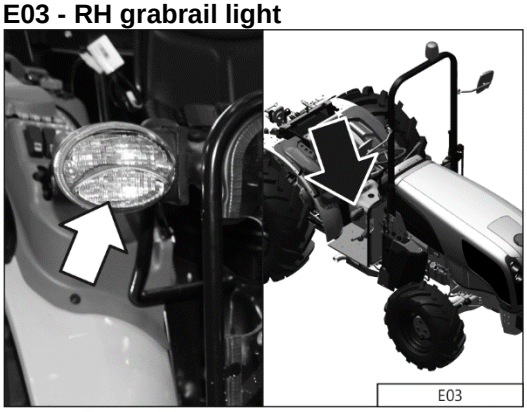
E02A - LHS Low beam



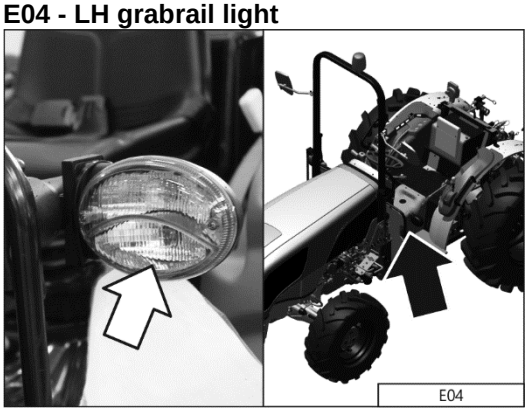
E02B -LHS High beam



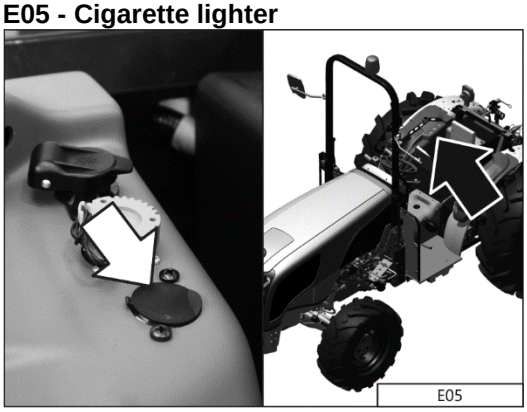
E03 - RH grabrail light



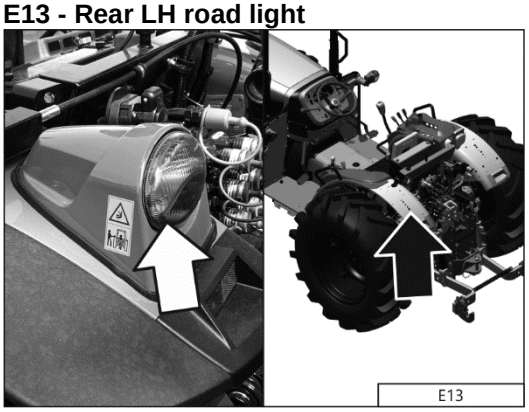
E04 - LH grabrail light



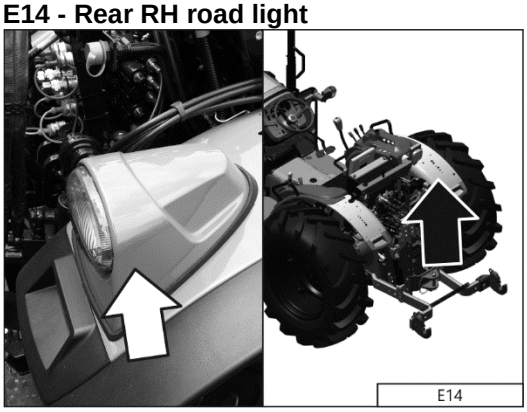
E05 - Cigarette lighter



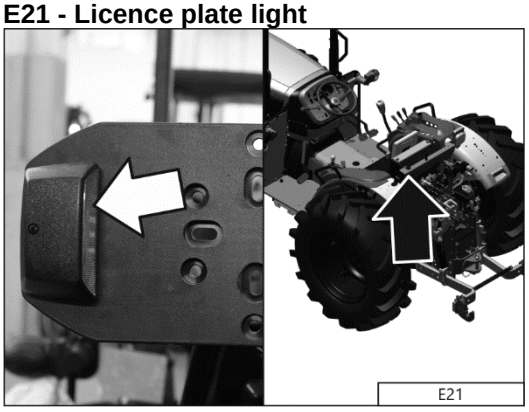
E13 - Rear LH road light



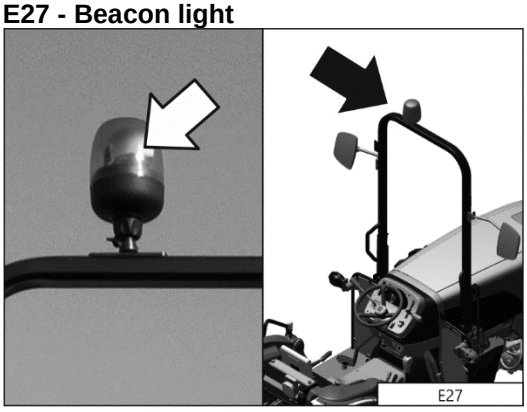
E14 - Rear RH road light



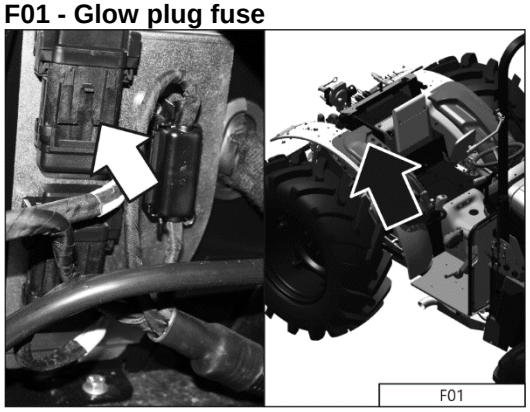
E21 - Licence plate light



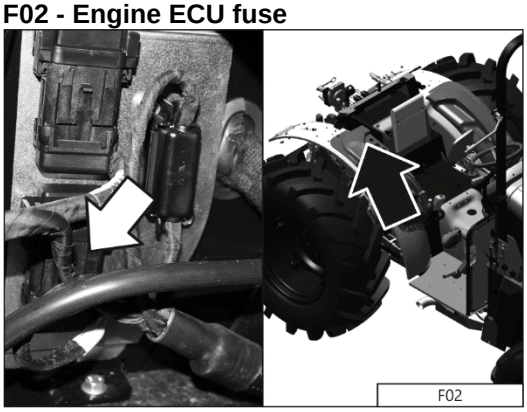
E27 - Beacon light



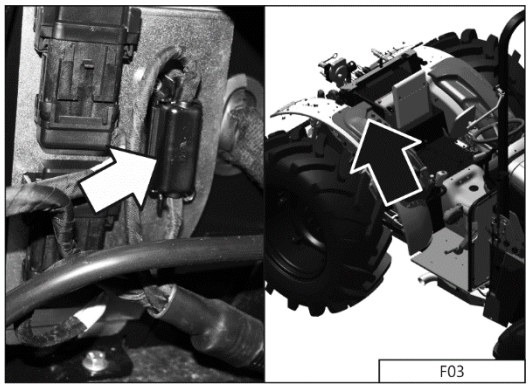
F01 - Glow plug fuse



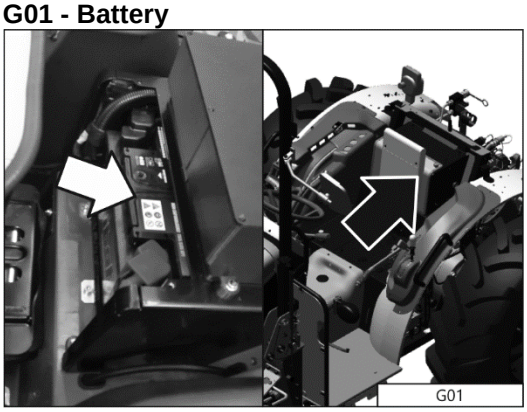
F02 - Engine ECU fuse



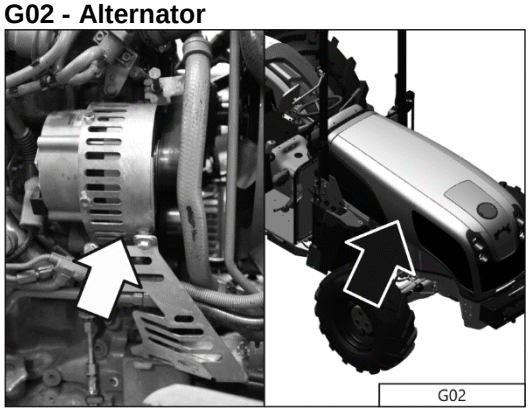
F03 - Main fuse



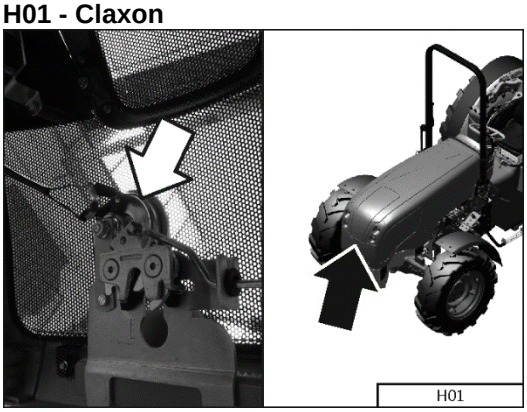
G01 - Battery



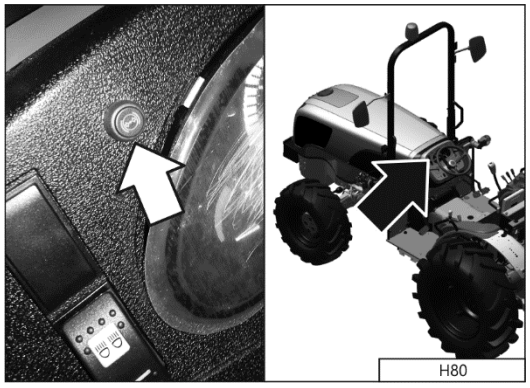
G02 - Alternator



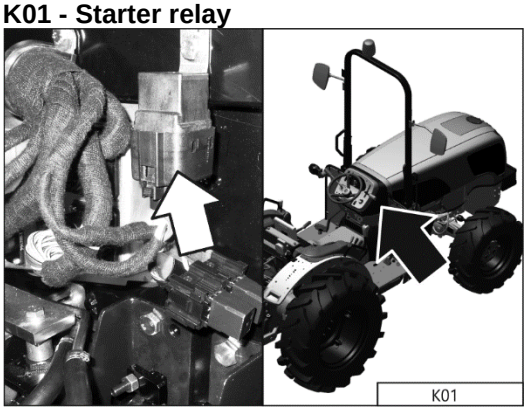
H01 - Claxon



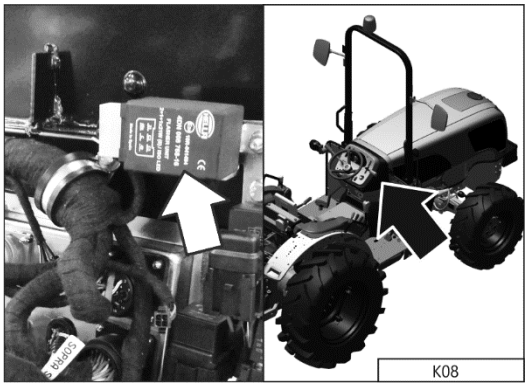
H80 - Trailer brake switch



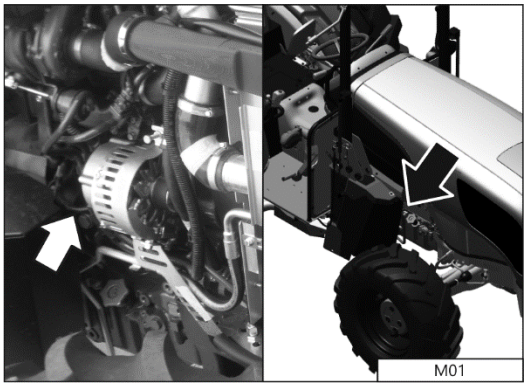
K01 - Starter relay



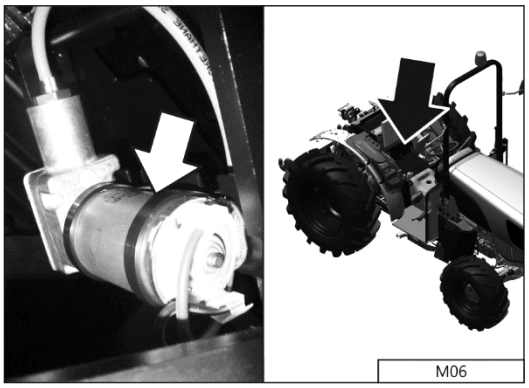
K08 - Flasher unit



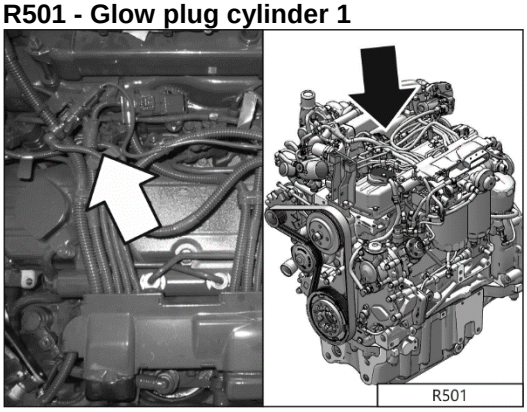
M01 - Starter motor



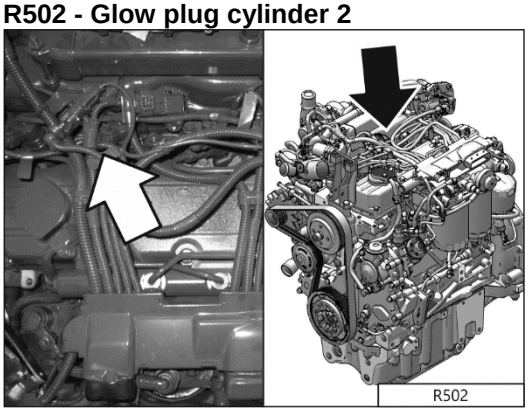
M06 - Air seat



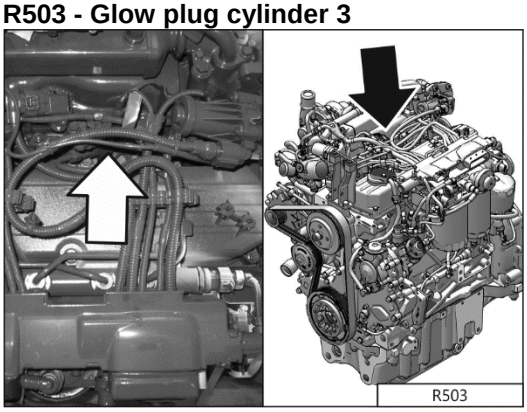
R501 - Glow plug cylinder 1



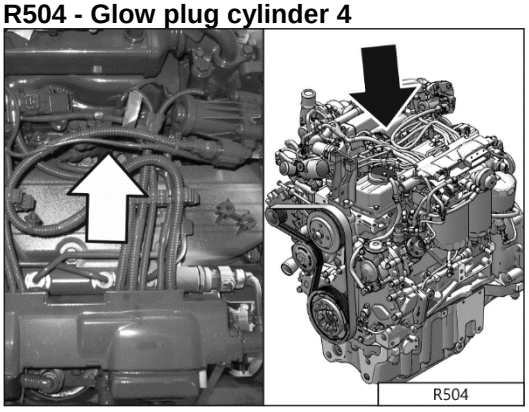
R502 - Glow plug cylinder 2



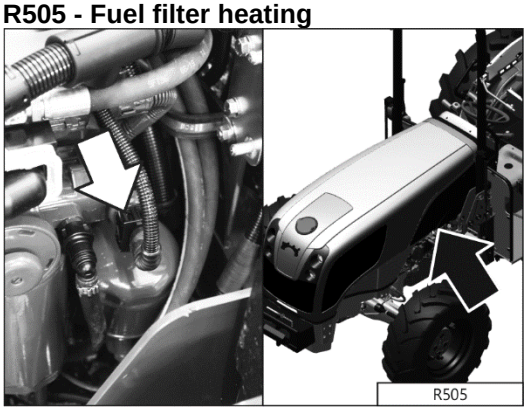
R503 - Glow plug cylinder 3



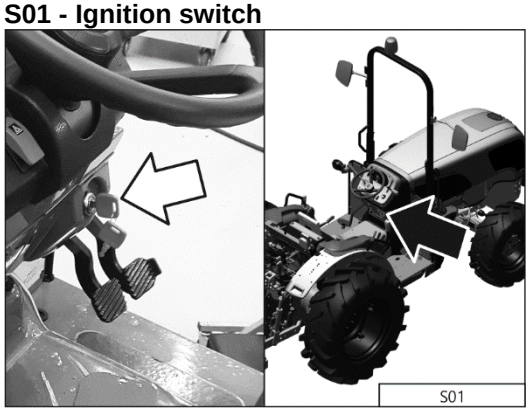
R504 - Glow plug cylinder 4



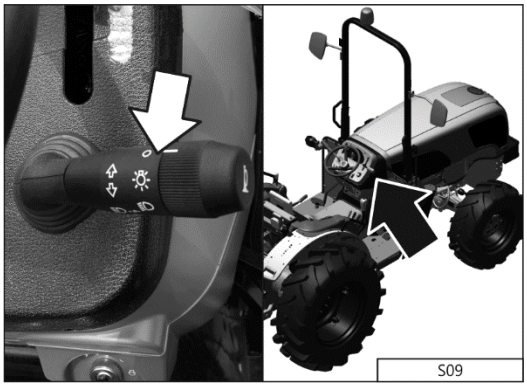
R505 - Fuel filter heating



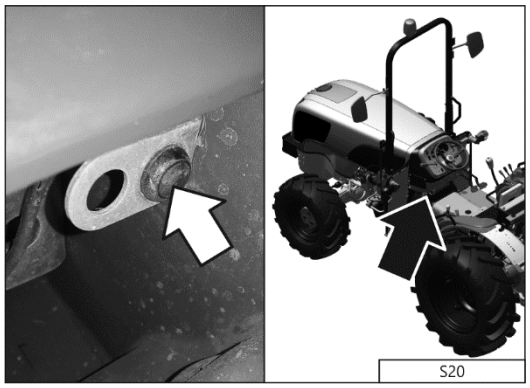
S01 - Ignition switch



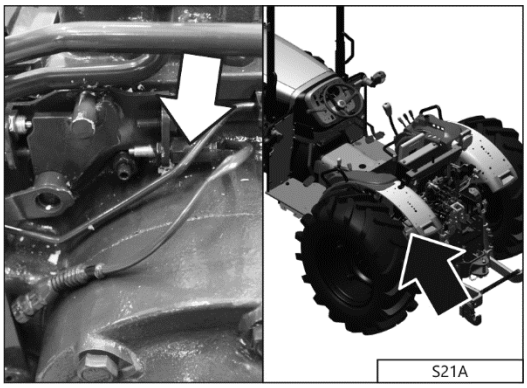
S09 - Blinker lever



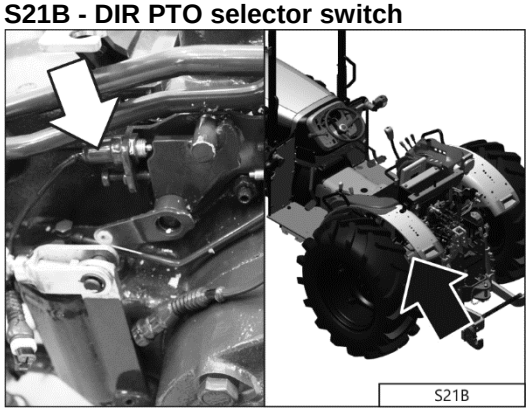
S20 - Calibration hidden button



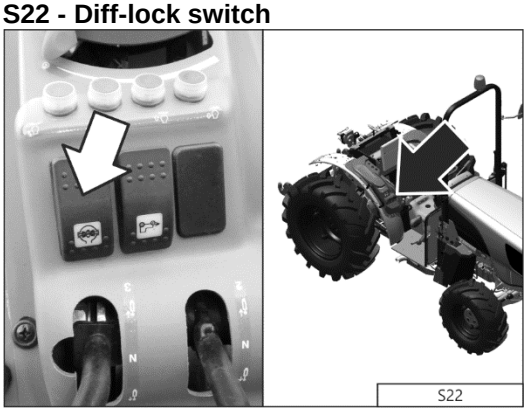
S21A - GD PTO selector switch



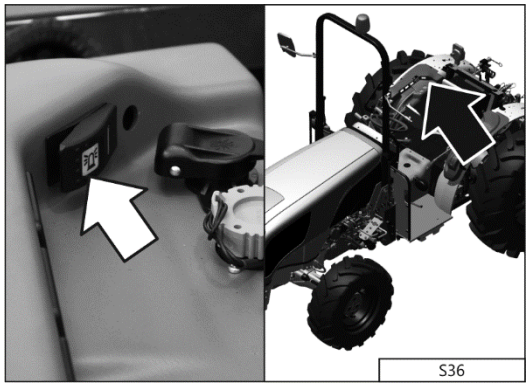
S21B - DIR PTO selector switch



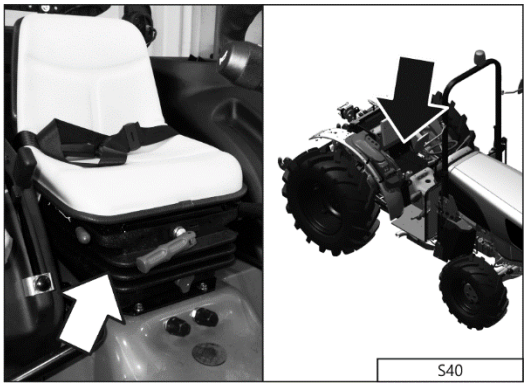
S22 - Diff-lock switch



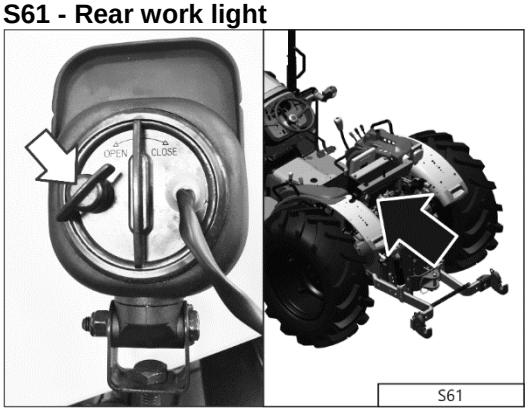
S36 - Beacon switch



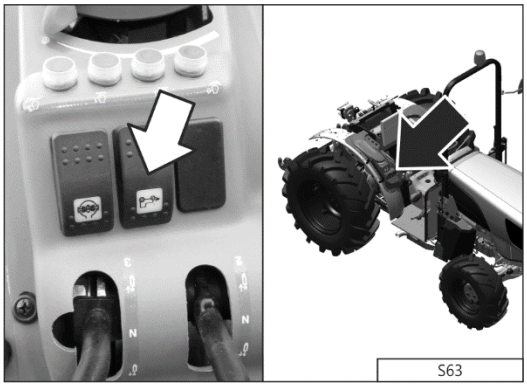
S40 - Seat switch



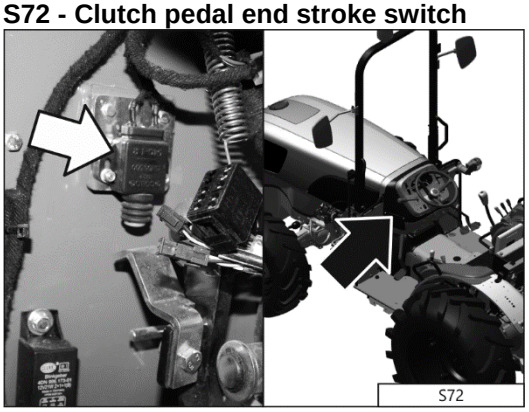
S61 - Rear work light



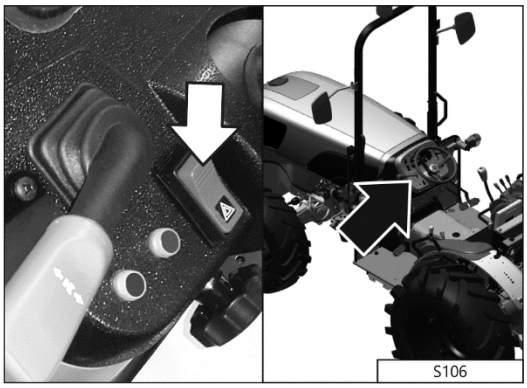
S63 - 4WD switch



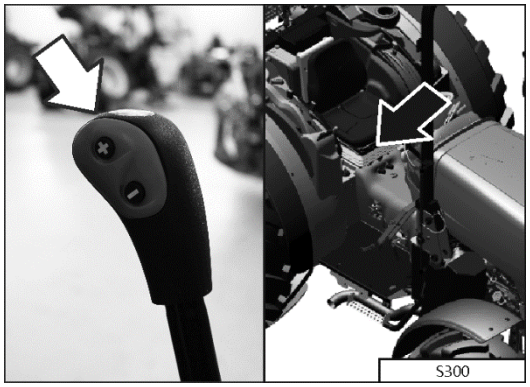
S72 - Clutch pedal end stroke switch



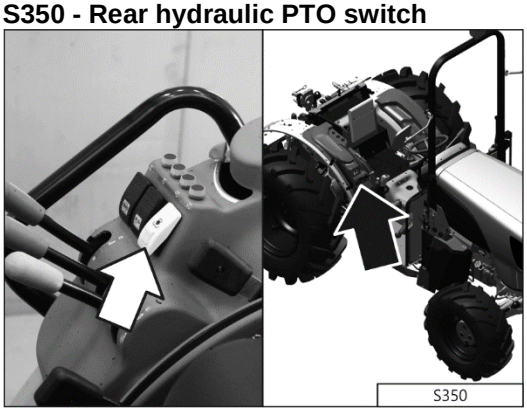
S106 - Hazard switch



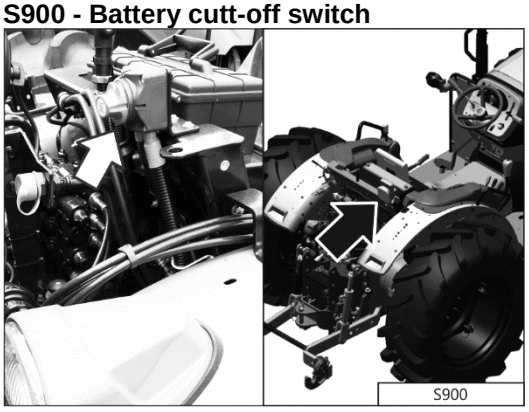
S300 - HI-LO switch



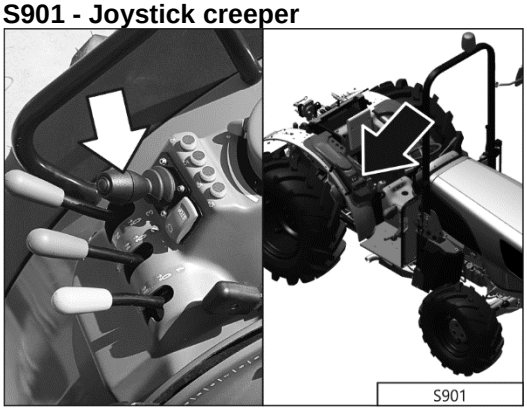
S350 - Rear hydraulic PTO switch



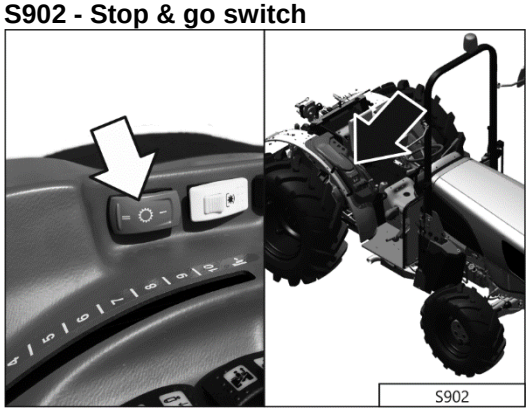
S900 - Battery cutt-off switch



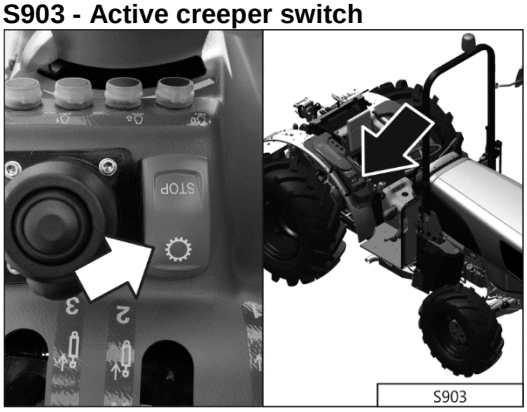
S901 - Joystick creeper



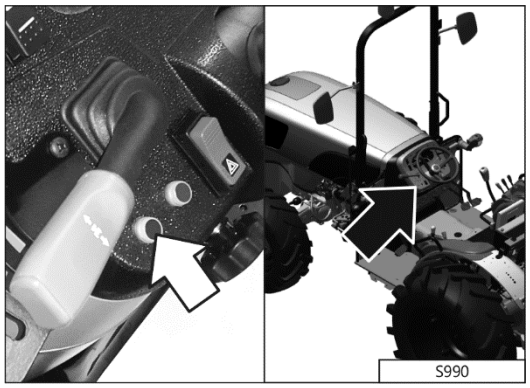
S902 - Stop & go switch



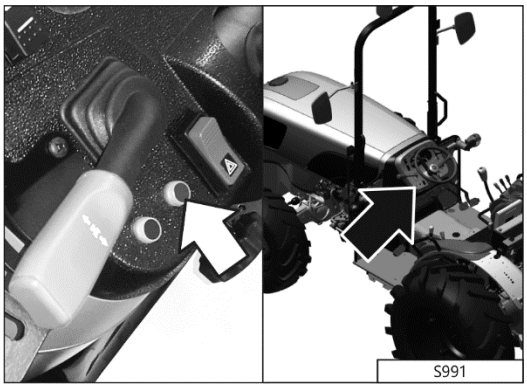
S903 - Active creeper switch



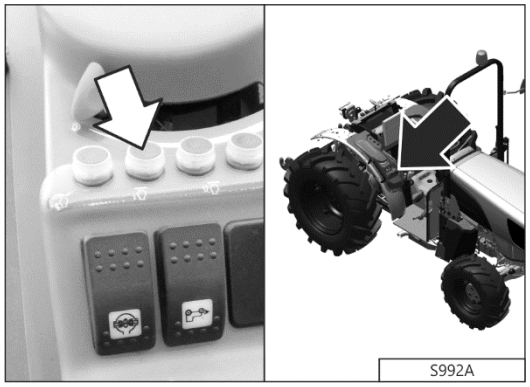
S990 - Button menu



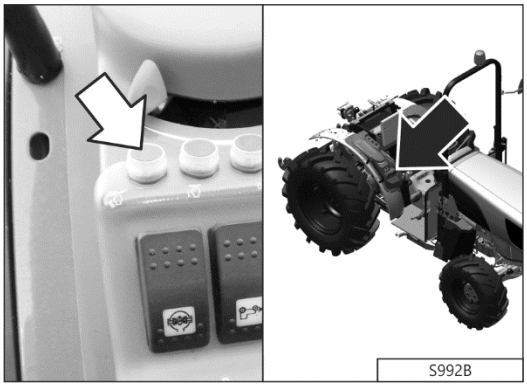
S991 - Button set



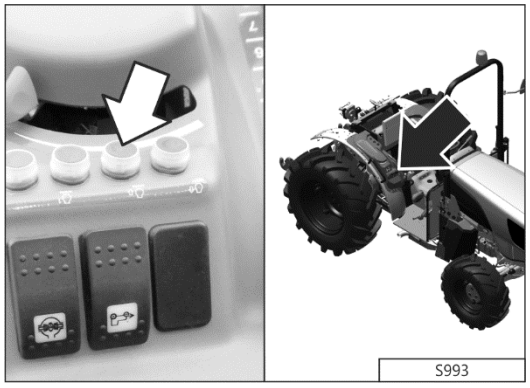
S992A - Cruise control MEM1



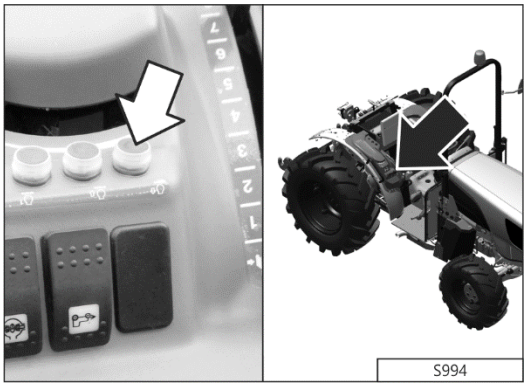
S992B - Cruise control MEM2



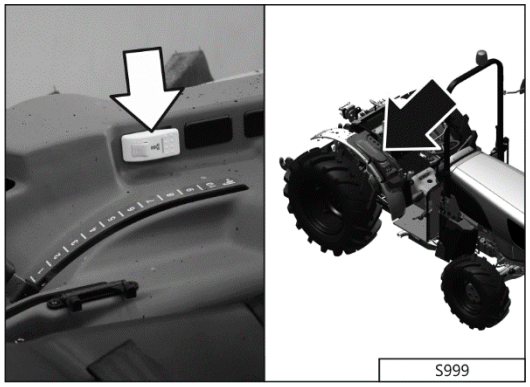
S993 - Cruise control DW



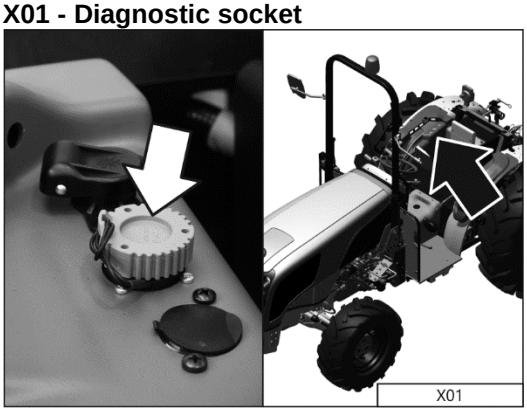
S994 - Cruise control UP



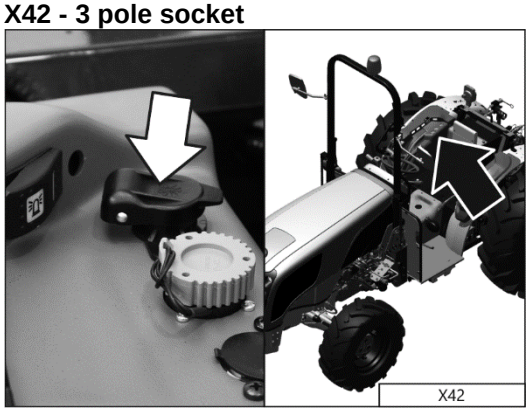
S999 - Front PTO switch



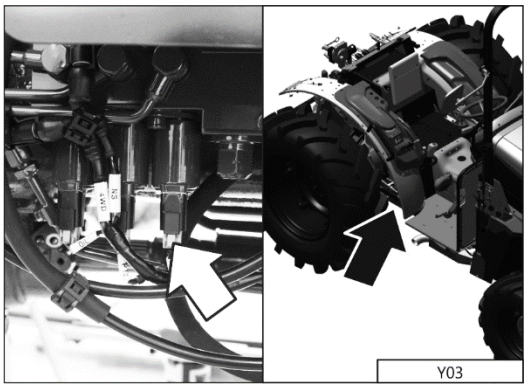
X01 - Diagnostic socket



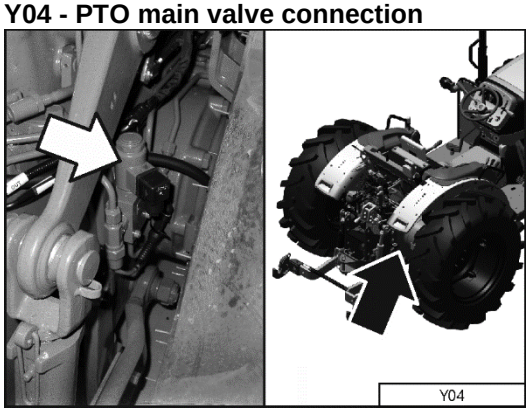
X42 - 3 pole socket



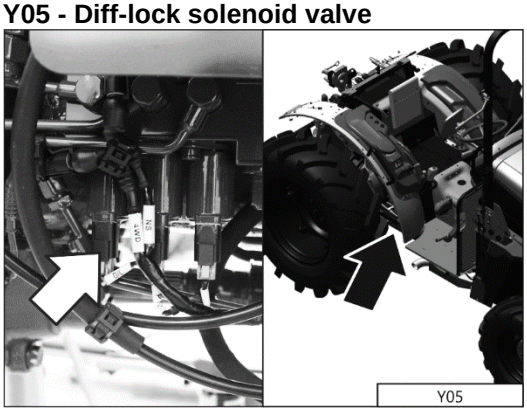
Y03 - 4WD solenoid valve



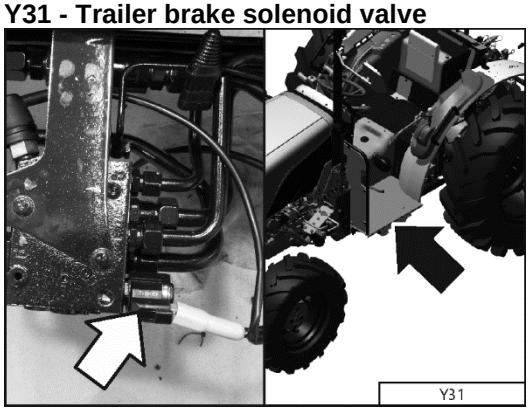
Y04 - PTO main valve connection



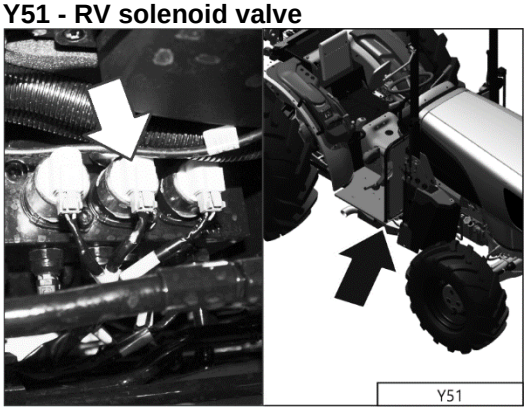
Y05 - Diff-lock solenoid valve



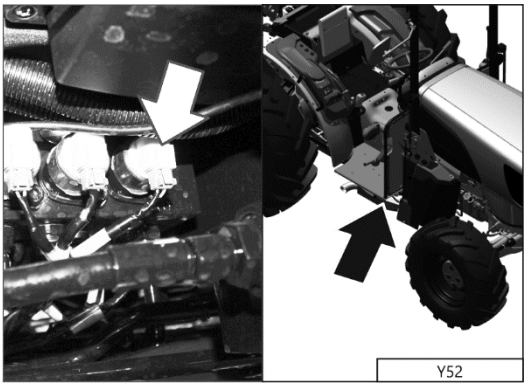
Y31 - Trailer brake solenoid valve



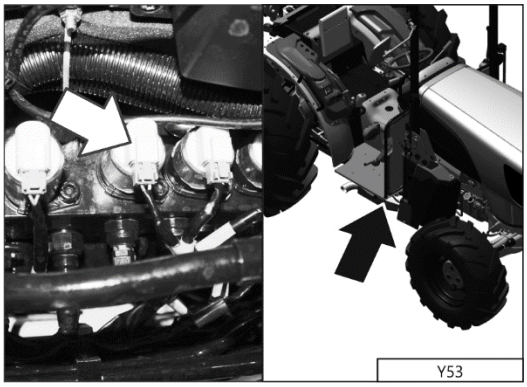
Y51 - RV solenoid valve



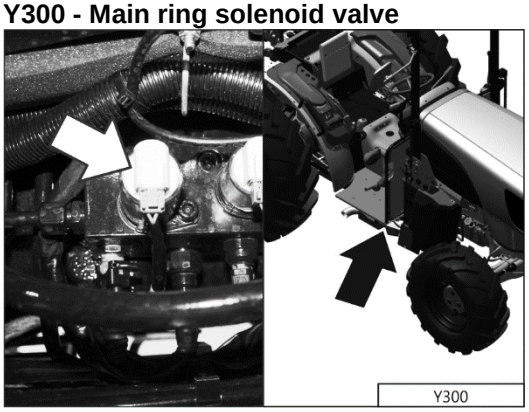
Y52 - FL solenoid valve



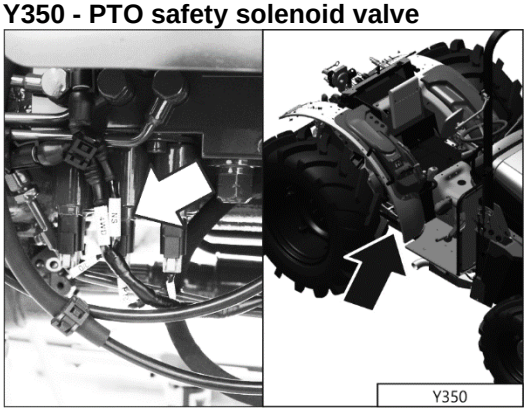
Y53 - FH solenoid valve



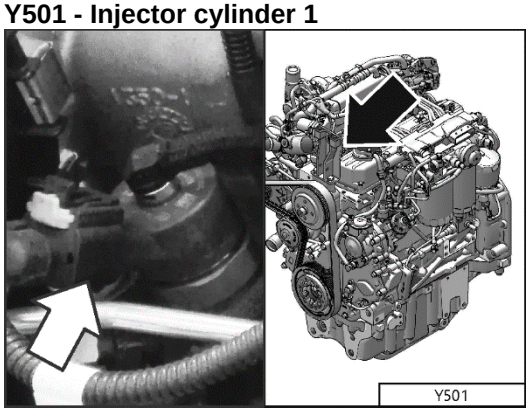
Y300 - Main ring solenoid valve



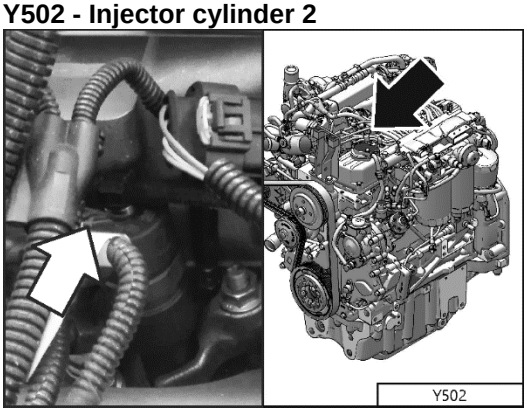
Y350 - PTO safety solenoid valve



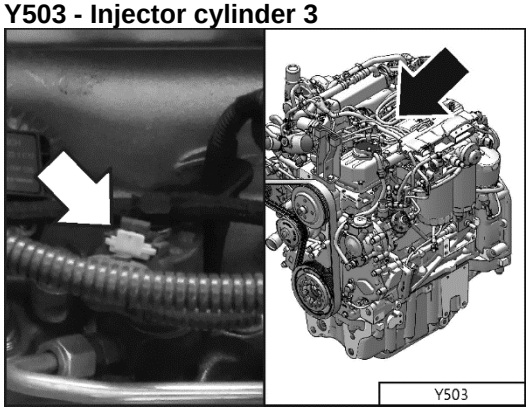
Y501 - Injector cylinder 1



Y502 - Injector cylinder 2



Y503 - Injector cylinder 3



Y504 - Injector cylinder 4

