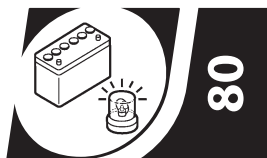


ELECTRICITY

- **ELECTRICAL CHARACTERISTICS AND SPECIFICATIONS**
- **ELECTRICAL SCHEMATIC DIAGRAMS**
- **ELECTRICAL COMPONENTS LOCATION**
- **ELECTRICAL CONTROL AND ADJUSTMENT**
- **ELECTRICAL COMPONENTS REFIT**
- **ELECTRICAL SPECIFIC TOOLINGS**



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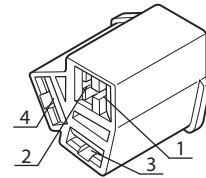
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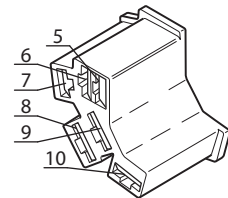
MT 732 / 932 Serie E-E3
 MT-X732 Serie E-E3
 MT 1030 S Turbo Serie 5-E3
 MT-X1030 S Turbo Serie 5-E3

<i>Harness Type</i>	<i>Item</i>	<i>Designation</i>		
MAIN	X97	HELLA K12 MINI RELAY HOLDER		
MAIN	X98	TRANSMISSION FLUID PRESSURE SWITCH		
MAIN	X99	VISHAY GAUGE CONNECTOR		
MAIN	X100	EN15000 ANGLE CONNECTOR		
MAIN	X103	JIB HEAD ELECTRIC CONNECTOR SWITCH		
MAIN/CONTROL VALVE	X105	CONTROL VALVE HARNESS EARTH CONNECTION		
MAIN	X106	EARTH		
MAIN	X107	CAB REAR EARTH / LSU COMPUTER EARTH CONNECTION		
MAIN	X114	EMERGENCY STOP		
MAIN	X115	OBD II DIAG CONNECTOR		
MAIN	X117	ATTACHMENT LOCKING SWITCH		
MAIN	X118	ANTI-THEFT MODULE PROVISION CONNECTOR		
MAIN	X119	OVERRIDE SWITCH		
MAIN	X133	DISCHARGE EV		
MAIN	X134	JIB RETRACTION SENSOR PART NO. 261448		
ENGINE	X161	STARTER ELECTROVALVE		
ENGINE	X162	ENGINE STOP ELECTROVALVE		
ENGINE	X163	FUEL PUMP		
ENGINE	X164	ENGINE FLUID PRESSURE		
ENGINE	X165	FUEL GAUGE		
ENGINE	X166A	AIR FILTER CLOGGING		
ENGINE	X166B	AIR FILTER CLOGGING		
ENGINE	X167	PREHEAT		
ENGINE	X168	ENGINE EARTH		
ENGINE	X169	KSB COLD START		
ENGINE	X170A	ENGINE WATER THERMOSWITCH		
ENGINE	X170B	ENGINE WATER THERMOSWITCH		
ENGINE	X171	PREHEAT RELAY		
ENGINE	X172	PREHEAT/ALTERNATOR POWER FUSES		
ENGINE	X173	EQUIPMENT POWER FUSES		
ENGINE	X174	CLOCK EARTH		
ENGINE	X175	LSU POTENTIOMETER		
CONTROL VALVE	X250	SENSOR B /ATTACHMENT CONTROL VALVE		
CONTROL VALVE	X251	SENSOR A /ATTACHMENT CONTROL VALVE		
CONTROL VALVE	X256	SENSOR B /LIFTING CONTROL VALVE		
CONTROL VALVE	X257	SENSOR A /LIFTING CONTROL VALVE		
CONTROL VALVE	X258	SENSOR B /TILTING CONTROL VALVE		
CONTROL VALVE	X259	SENSOR A /TILTING CONTROL VALVE		
CONTROL VALVE	X260	SENSOR B /TELESCOPE CONTROL VALVE		
CONTROL VALVE	X261	SENSOR A /TELESCOPE CONTROL VALVE		

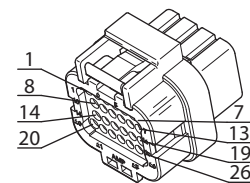
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X54	1	16	WHITE	3	X24/A1
		12	WHITE	3	X24/C8
		63	WHITE	3	X45/1
	2	7	WHITE	3	X24/A8
		13	WHITE	3	X24/C1
		64	WHITE	3	X45/2
4	92	YELLOW	2	X55/8	



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X55	5	68	WHITE	3	X45/5
		67	WHITE	3	X45/6
	6	66	WHITE	3	X45/7
		65	WHITE	3	X45/8
	7	82	YELLOW	4	X47/1
	8	92	YELLOW	2	X54/4
	9	6	GREY	0,6	X24/B3

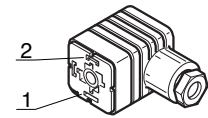


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X56	1	188	GREY	0,6	X37/2
	4	471	BLACK	1	X97/2
	5	44	BLACK	0,6	X87/8
	6	191	BLACK	0,6	X87/7
	7	189	GREY	0,6	X48/2
	8	465	GREEN	1	X100/6
	10	297	GREY	0,6	X87/04
	11	478	GREY	0,6	X119/1
	12	284	GREY	0,6	X87/01
	13	61	GREY	0,6	EP38
	15	206	GREEN	1	X1/1
	16	204	GREY	0,6	X33/1
	17	60	GREY	0,6	X3
	20	186	BLACK	1	X76B
	21	495	RED	0,34	X99/2
	23	146	GREY	0,6	X12/1
	24	291	GREY	0,6	X87/02
	25	464	GREEN	1	X100/3
26	185	BLACK	1	X76B	

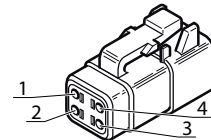


MT 1030 S Turbo Serie 5-E3
MT-X1030 S Turbo Serie 5-E3

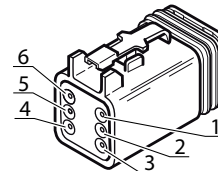
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X10	1	212	GREY	0,6	X44/4
	2	230	BLACK	0,6	X9/2



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X12	1	146	GREY	0,6	X56/23
	2	203	BLACK	0,6	EP2
	3	45	GREY	0,6	X38/5
	4	113	BLACK	0,6	EP2

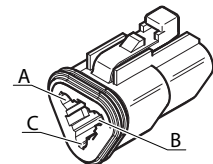


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X13	1	111	BLACK	1	X76/A
	2	109	GREEN	1	X39/9
	3	110	GREEN	1	X39/5
	4	107	GREEN	1	X39/6
	5	108	GREEN	1	X39/2

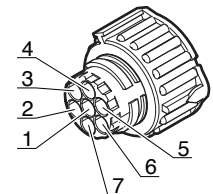


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X14		150	GREY	0,6	X38/4

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X15	A	48	GREY	0,6	X50/1
	B	46	GREY	0,6	X52/1
	C	47	BLACK	0,6	EP2

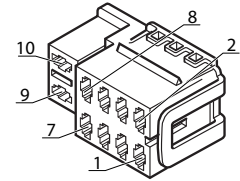


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X16	1	125	BLACK	1	X106
	2	244	GREY	0,6	EP3
	3	122	GREY	0,6	EP10
	4	121	GREY	0,6	EP11
	5	117	GREY	0,6	EP15
	6	145	GREY	0,6	EP8

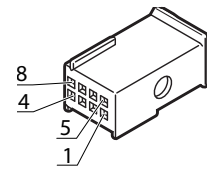


MT 1030 S Turbo Serie 5-E3
MT-X1030 S Turbo Serie 5-E3

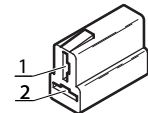
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X61	1	49	GREY	0,6	X71/1
	5	77D	GREY	0,6	X61/9
		41	GREEN	1	X118/9
	7	133	GREY	0,6	X07/1
	9	77D	GREY	0,6	X61/5
	10	132	BLACK	0,6	X76A



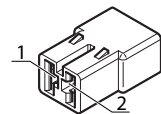
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X68	1	72	GREY	0,6	X46/02(85)
	2	220	BLACK	0,6	EP16
	6	219	GREY	0,6	EP17



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X70	1	59	GREY	0,6	X79/6
	2	43	BLACK	0,6	X72B



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X71	1	49	GREY	0,6	X61/1
	2	139	GREEN	1	X1/2
		303	GREY	0,6	X07/3



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X72A		55	GREY	0,6	X40/13

CRIMPING CLIP

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X72B		43	BLACK	0,6	X70/2
		56	BLACK	0,6	X76A

CRIMPING CLIP

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X73A		57	GREEN	1	X40/5

CRIMPING CLIP

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X73B		4	GREEN	1	EP15

CRIMPING CLIP

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP11	121	GREY	0,6	X16/4
	248	GREY	0,6	X19/4
	115	GREEN	1	X39/8

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP13	5	GREEN	1	X44/4

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP14	120	GREY	0,6	X17/4
	250	GREY	0,6	19/1
	3	GREEN	1	X39/11

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP15	117	GREY	0,6	X16/5
	116	GREY	0,6	X17/5
	235	GREY	0,6	X19/6
	4	GREEN	1	X73B

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP16	220	BLACK	0,6	X68/2
	140	BLACK	0,6	X89/2
	70	BLACK	0,6	X90/2
	91	BLACK	0,6	X76A

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP17	265	GREY	0,6	X60
	89	GREY	0,6	X39/13
	219	GREY	0,6	X68/6
	126	GREY	0,6	X89/6
	127	GREY	0,6	X90/6

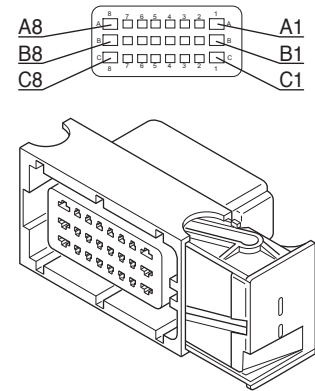
<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm²)</i>	<i>Towards</i>
EP23	476	GREY	0,6	X57/22
	36	GREY	0,6	X43/3
	167	GREY	0,6	X42/3

MLT 731 TURBO SÉRIE F-E3

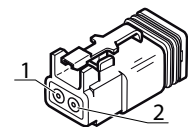
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MAIN HARNESS SPLICES	B29
ELECTRICAL CONNECTORS / HYDRAULIC CONTROL VALVE HARNESS	B33
ELECTRICAL CONNECTORS / ENGINE HARNESS	B35
SPLICES / ENGINE HARNESS	B38

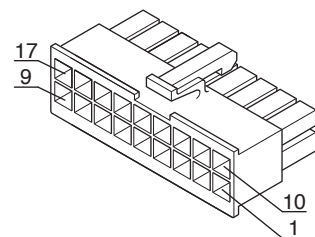
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X24	A1	16	WHITE	3	X54/01
	A2	267	BLACK	0.6	X59/2
	A3	24	GREY	0.6	EP32
	A4	19	GREY	0.6	X38/03
	A5	21	GREY	0.6	X38/01
	A6	18	GREY	0.6	X46/02 (85)
	A7	25	GREY	0.6	X90/5
	A8	7	WHITE	3	X54/02
	B1	14	WHITE	3	X40/03
	B2	17	GREY	0.6	X38/07
	B3	6	GREY	0.6	X55/09
	B4	20	YELLOW	2	X114/5
	B5	11	BLACK	2	X76B
	B6	26	GREY	0.6	X89/5
	B8	10	BLACK	4	X76A
	C1	13	WHITE	3	X54/02
	C8	12	WHITE	3	X54/01



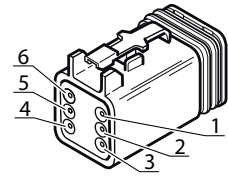
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X25	1	102	YELLOW	2	X26/16
	2	106	BLACK	2	X106



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X26	3	99	YELLOW	2	X79/1
	4	201	BLACK	3	X76/B
	5	86	YELLOW	2	X41/3
	6	87	GREEN	1	X41/5
	7	88	YELLOW	2	X41/1
	8	103	GREEN	1	X80/1
	9	104	YELLOW	2	X79/2
	10	105	GREY	0,6	X37/1
	11	135	YELLOW	2	X41/10
	12	200	BLACK	3	X76/B
	13	199	BLACK	3	X76/B
	14	208	GREEN	1	X75
	15	162	YELLOW	2	X4/4
	16	102	YELLOW	2	X25/1

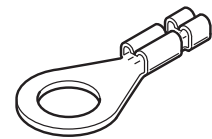


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X74	1	54	BLACK	1	X76A
	2	52	GREEN	1	X39/3
	3	53	GREEN	1	X39/4
	4	50	GREEN	1	X39/1
	5	51	GREEN	1	X39/10



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X75		208	GREEN	1	X26/14

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X76A (Mas. G./Cabine)		10	BLACK	4	X24/B8
		30	BLACK	0.6	X119/10
		54	BLACK	1	X74/1
		56	BLACK	0.6	X72B
		69	BLACK	2	X45/4
		83	BLACK	4	X30/A
		91	BLACK	0.6	EP16
		93	BLACK	2	X77/1
		111	BLACK	1	X13/1
		129	BLACK	2	X105
		130	BLACK	0.6	X49/10
		132	BLACK	0.6	X61/10
		258	BLACK	3	EP02



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X76B (Mas. G./Cabine)		11	BLACK	2	X24/B5
		40	BLACK	2	X107
		101	BLACK	2	X32/2
		185	BLACK	1	X56/26
		186	BLACK	1	X56/20
		187	BLACK	1	X57/34
		199	BLACK	3	X26/13
		200	BLACK	3	X26/12
		201	BLACK	3	X26/04
		216	BLACK	1	X118/12
		222	BLACK	0.6	X46/03 (30)
		313	BLACK	0.6	X82/2
		480	BLACK	0.6	X116/5



<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP17	89	GREY	0,6	X39/13
	126	GREY	0,6	X89/6
	127	GREY	0,6	X90/6
	219	GREY	0,6	X68/6
	265	GREY	0,6	X60

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP23	36	GREY	0,6	X36/11
	167	GREY	0,6	X42/3
	476	GREY	0,6	X57/22

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP24	37	GREY	0,6	X36/12
	232	GREY	0,6	X42/4
	477	GREY	0,6	X57/14

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP26	169	GREY	0,6	X56/12
	172	GREY	0,6	X36/02
	173	GREY	0,6	X36/03

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP27	171	GREY	0,6	X57/24
	174	GREY	0,6	X36/04
	175	GREY	0,6	X36/05

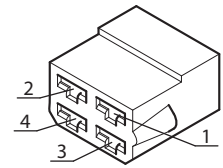
<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP28	210	BLACK	1	X57/31
	241	BLACK	0,6	X36/01
	459	BLACK	0,6	X113/2
	460	BLACK	0,6	X112/1
	462	BLACK	0,6	X112/4
	496	BLACK	0,34	X99/3

MLT 634 Turbo LSU Série F-E3
 MLT 735/ 741 Turbo LSU Série 6-E3
 MLT-X735 Turbo LSU Série 6-E3
 MLT 1035 L Turbo LSU Série 6-E3
 MLT-X1035 100 L Turbo LSU Série 6-E3

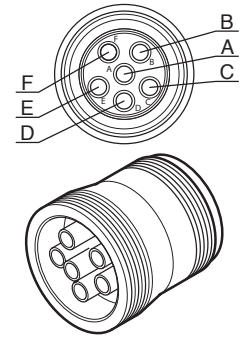
RELAY AND FUSE HOLDER PLATE (DETAILS OF FUSES)

Section	Item	Current	Designation
FUSES	F1	7,5 A	LSU + AS OPTION
	F2	15 A	REAR WORKING LIGHTS (STANDARD/OPTION)
	F3	10 A	REAR WINDSCREEN WIPER + ROOF/SIDE WINDSCREEN WIPER
	F4	15 A MAXI	ENGINE STOP EV OR ENGINE ECM
	F5	7,5 A	ROTATING BEACON LIGHT
	F6	5 A	WHEEL ALIGNMENTS + AS OPTION
	F7	7,5 A	LLMI + OVERRIDE SWITCH + SENSORS + BLUE LIGHT OPT (15A)
	F8	15 A	RELAYS K2/K3/K4 + TRANSMISSION CUT-OFF + JSM/FNR
	F9	5 A	DASHBOARD MODULE + INDICATOR LAMPS
	F10	10 A	HORN + STOP SWITCH
	F11	15 A	WORKING LIGHTS ON JIB (OPTION)
	F12	10 A	INDICATOR LIGHTS
	F13	30 A	VENTILATION
	F14	10 A	CIGARETTE LIGHTER
	F15	20 A	SPU
	F16	5 A	DIAGNOSTIC PLUG
	F17	15 A MAXI	CLEANFIX + REAR HYDRAULICS + ANTI-THEFT (OPTION)
	F18	15 A	FRONT WORKING LIGHTS (STANDARD/OPTION)
	F19	15 A	REAR WINDSCREEN DEFROST (OPTION)
	F20	10 A	PNEUMATIC SEAT + AS OPTION (OPTION)
	F21	10 A	FRONT WINDSCREEN WIPER + FRONT WINDSCREEN WASHER
	F22	10 A MAXI	JIB SUSPENSION + JIB ELECTRICAL PROVISION + JIB HEAD EV (OPTION)
	F23	7,5 A	RIGHT SIDELIGHT + MODULE LIGHTING
	F24	7,5 A	LEFT SIDELIGHT + REAR PLATE LIGHTING
	F25	7,5 A	RIGHT INDICATOR LIGHTS
	F26	7,5 A	LEFT INDICATOR LIGHTS
	F27	15 A	DIPPED HEADLIGHT + FOG LIGHT
	F28	15 A	HEADLIGHTS
	F29	15 A	WARNING + ROOF LIGHT + ANTI-THEFT + CLOCK +REV COUNTER
	F30	25 A	LIGHT STALK SWITCH
	F31	25 A	STARTER
	F32	5 A	DIAGNOSTIC PLUG + SPU
	F33	1 A	LSU POTENTIOMETER
100 HP ENGINE FUSES	F40	40 A	IGNITION SWITCH
	F41	40 A	IGNITION SWITCH
	F42	80 A	PREHEAT
	F43	80 A	ALTERNATOR

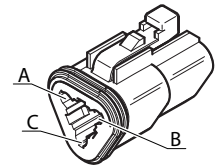
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X27	1	252	BLACK	0,6	X53/8
	2	254	BLACK	0,6	X53/2
	3	251	GREY	0,6	X53/7
	4	253	GREY	0,6	X53/1



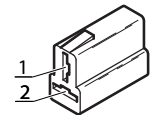
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X30	A	83	BLACK	4	X76/A
	B	136	GREEN	1	EP3
	C	84	YELLOW	4	X37/6
	D	164	GREEN	1	X31/C
	E	154	GREEN	1	X31/B
	F	153	GREEN	1	X31/A



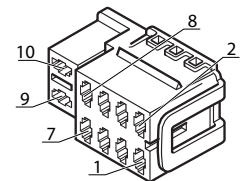
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X31	A	153	GREEN	1	X30/F
	B	154	GREEN	1	X30/E
	C	164	GREEN	1	X30/D



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X32	1	98	YELLOW	2	X37/5
	2	112	BLACK	0,6	X33/5
		101	BLACK	2	X76B

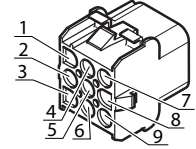


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X33	1	204	GREY	0,6	X56/16
	5	112	BLACK	0,6	X32/2
		75B	BLACK	0,6	X33/10
	9	128	GREY	0,6	X4/9
		217	GREY	0,6	X117/9
	10	75B	BLACK	0,6	X33/5
190		BLACK	0,6	X117/5	

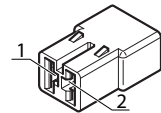


MLT 634 Turbo LSU Série F-E3
 MLT 735/ 741 Turbo LSU Série 6-E3
 MLT-X735 Turbo LSU Série 6-E3

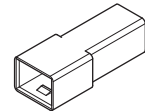
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X79	1	85	YELLOW	2	X41/9
		99	YELLOW	2	X26/3
	2	104	YELLOW	2	X26/9
	3	80	YELLOW	2	X40/1
		97	YELLOW	2	X79/5
	5	95	YELLOW	2	X77/3
		97	YELLOW	2	X79/3
	6	59	GREY	0,6	X70/1
7	96	YELLOW	2	X77/4	
8	78	YELLOW	2	X77/6	



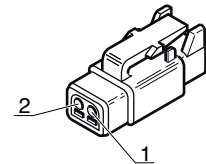
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X80	1	103	GREEN	1	X26/8
	2	94	GREEN	1	X77/2



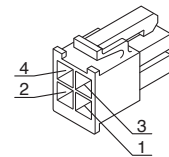
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X81		312	GREY	0,6	X82/1



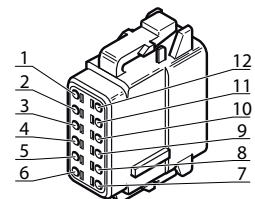
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X82	1	312	GREY	0,6	X81
	2	313	BLACK	0,6	X76B



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X83	4	62	GREY	0,6	X46/02 (85)

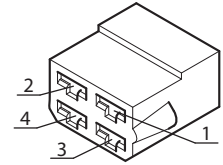


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X87	1	176	GREY	0,6	X57/29
	2	177	GREY	0,6	X57/05
	3	178	GREY	0,6	X56/14
	4	179	GREY	0,6	X56/02
	5	196	GREY	0,6	X57/06
	6	42	GREY	0,6	X57/07
	7	191	BLACK	0,6	X56/06
	8	44	BLACK	0,6	X56/05

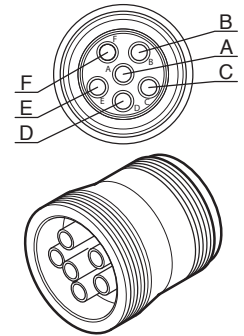


MLT 1035 L Turbo LSU Série 6-E3
MLT-X1035 100 L Turbo LSU Série 6-E3

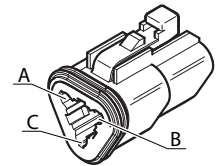
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X27	1	252	BLACK	0,6	X53/8
	2	254	BLACK	0,6	X53/2
	3	251	GREY	0,6	X53/7
	4	253	GREY	0,6	X53/1



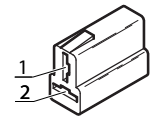
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X30	A	83	BLACK	4	X76/A
	B	136	GREEN	1	EP3
	C	84	YELLOW	4	X37/6
	D	164	GREEN	1	X31/C
	E	154	GREEN	1	X31/B
	F	153	GREEN	1	X31/A



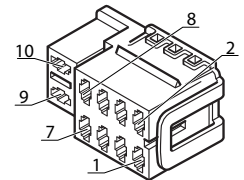
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X31	A	153	GREEN	1	X30/F
	B	154	GREEN	1	X30/E
	C	164	GREEN	1	X30/D



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X32	1	98	YELLOW	2	X37/5
	2	101	BLACK	2	X76B
		112	BLACK	0,6	X33/05

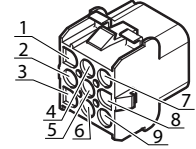


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X33	1	204	GREY	0,6	X56/16
	5	112	BLACK	0,6	X32/2
		75B	BLACK	0,6	X33/10
	9	128	GREY	0,6	X4/9
		217	GREY	0,6	X117/9
	10	75B	BLACK	0,6	X33/5
190		BLACK	0,6	X117/5	

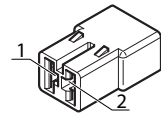


MLT 1035 L Turbo LSU Série 6-E3
MLT-X1035 100 L Turbo LSU Série 6-E3

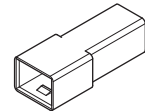
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X79	1	85	YELLOW	2	X41/9
		99	YELLOW	2	X26/3
	2	104	YELLOW	2	X26/9
	3	80	YELLOW	2	X40/1
		97	YELLOW	2	X79/5
	5	95	YELLOW	2	X77/3
		97	YELLOW	2	X79/3
	6	59	GREY	0,6	X70/1
7	96	YELLOW	2	X77/4	
8	78	YELLOW	2	X77/6	



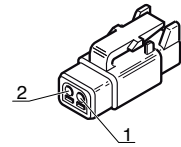
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X80	1	103	GREEN	1	X26/8
	2	94	GREEN	1	X77/2



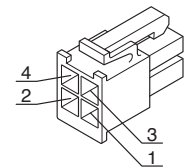
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X81		312	GREY	0,6	X82/1



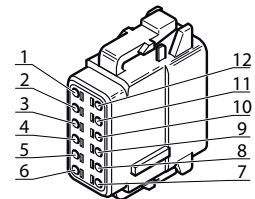
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X82	1	312	GREY	0,6	X81
	2	313	BLACK	0,6	X76B



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X83	4	62	GREY	0,6	X46/02 (85)



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X87	1	176	GREY	0,6	X57/29
	2	177	GREY	0,6	X57/5
	3	178	GREY	0,6	X56/14
	4	179	GREY	0,6	X56/2
	5	196	GREY	0,6	X57/6
	6	42	GREY	0,6	X57/7
	7	191	BLACK	0,6	X56/6
	8	44	BLACK	0,6	X56/5



<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP17	265	GREY	0,6	X60
	89	GREY	0,6	X39/13
	219	GREY	0,6	X68/6
	126	GREY	0,6	X89/6
	127	GREY	0,6	X90/6

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP23	476	GREY	0,6	X57/22
	36	GREY	0,6	X36/11
	167	GREY	0,6	X42/3

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP24	477	GREY	0,6	X57/14
	37	GREY	0,6	X36/12
	232	GREY	0,6	X42/4

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP25	535	BLACK	0,6	X109/17

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP26	169	GREY	0,6	X56/12
	172	GREY	0,6	X36/02
	173	GREY	0,6	X36/03

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP27	171	GREY	0,6	X57/24
	174	GREY	0,6	X36/04
	175	GREY	0,6	X36/05

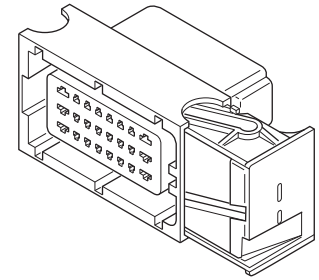
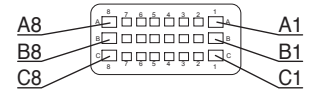
<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP28	210	BLACK	1	X57/31
	241	BLACK	0,6	X43/5
	496	BLACK	0,34	X99/3

MLT 634 -120 LSU SERIE F-E3

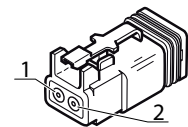
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ELECTRICAL CONNECTORS / ADAPTING HARNESS	D39
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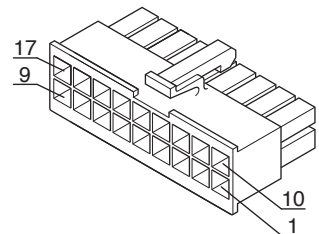
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X24	A1	16	WHITE	3	X54/01
	A2	267	BLACK	0,6	X59/2
	A4	19	GREY	0,6	X38/03
	A6	18	GREY	0,6	X46/02 (85)
	A7	25	GREY	0,6	X90/5
	A8	7	WHITE	3	X54/02
	B1	14	WHITE	3	X40/03
	B3	20	YELLOW	2	X114/5
	B5	11	BLACK	2	X76B
	B8	10	BLACK	4	X76A
	C1	13	WHITE	3	X54/02
	C2	572	GREY	0,6	X83/1
	C3	573	GREY	0,6	X83/3
	C4	6	GREY	0,6	X83/02
	C5	305	RED	0,6	X121/5
	C6	306	GREEN	0,6	X121/8
C8	12	WHITE	3	X54/01	



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X25	1	102	YELLOW	2	X26/16
	2	106	BLACK	2	X106



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X26	3	99	YELLOW	2	X79/1
	4	201	BLACK	3	X76/B
	5	86	YELLOW	2	X41/3
	6	87	GREEN	1	X41/5
	7	88	YELLOW	2	X41/1
	8	103	GREEN	1	X80/1
	9	104	YELLOW	2	X79/2
	10	105	GREY	0,6	X37/1
	11	135	YELLOW	2	X41/10
	12	200	BLACK	3	X76/B
	13	199	BLACK	3	X76/B
	14	208	GREEN	1	X75
	15	162	YELLOW	2	X4/4
	16	102	YELLOW	2	X25/1



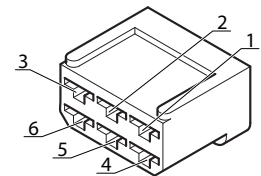
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X76A (Mas. G./Cab)		10	BLACK	4	X24/B8
		30	BLACK	0,6	X119/10
		54	BLACK	1	X74/1
		56	BLACK	0,6	X72B
		69	BLACK	2	X45/4
		83	BLACK	4	X30/A
		93	BLACK	2	X77/1
		111	BLACK	1	X13/1
		129	BLACK	2	X105
		130	BLACK	0,6	X49/10
		132	BLACK	0,6	X61/10
		258	BLACK	3	EP02



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X76B (Mas. G./Cab)		11	BLACK	2	X24/B5
		40	BLACK	2	X107
		101	BLACK	2	X32/2
		185	BLACK	1	X56/26
		186	BLACK	1	X56/20
		187	BLACK	1	X57/34
		199	BLACK	3	X26/13
		200	BLACK	3	X26/12
		201	BLACK	3	X26/04
		216	BLACK	1	X118/12
		222	BLACK	0,6	X46/03 (30)
		313	BLACK	0,6	X82/2
		480	BLACK	0,6	X116/5



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X77	1	93	BLACK	2	X76A
	2	94	GREEN	1	X80/2
	3	95	YELLOW	2	X79/5
	4	96	YELLOW	2	X79/7
	6	78	YELLOW	2	X79/8



<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP10	122	GREY	0,6	X16/3
	123	GREY	0,6	X17/3
	239	GREEN	1	X20/1
	247	GREY	0,6	X19/8

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP11	115	GREEN	1	X39/08
	121	GREY	0,6	X16/4
	248	GREY	0,6	X19/4

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP12	231	GREY	0,6	X95/1 (86)

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP13	5	GREEN	1	X44/4

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP14	3	GREEN	1	X39/11
	120	GREY	0,6	X17/4
	250	GREY	0,6	X19/1

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP15	4	GREEN	1	X73B
	116	GREY	0,6	X17/5
	117	GREY	0,6	X16/5
	235	GREY	0,6	X19/6

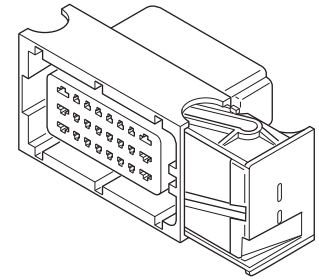
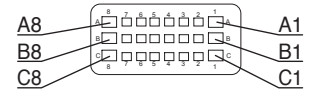
<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>Towards</i>
EP16	70	BLACK	0,6	X90/2
	91	BLACK	0,6	X121/03
	140	BLACK	0,6	X89/2
	220	BLACK	0,6	X68/2

MLT 634 -120 LSU POWERSHIFT SERIE F-E3

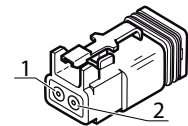
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SPLICES / ENGINE HARNESS	E41
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SPLICES / ADAPTING HARNESS	E43

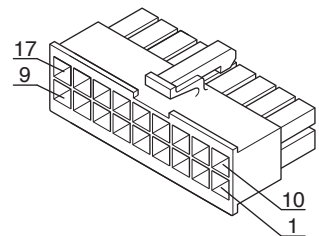
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X24	A1	16	WHITE	3	X54/01
	A2	267	BLACK	0,6	X59/2
	A4	19	GREY	0,6	X38/03
	A6	18	GREY	0,6	X46/02 (85)
	A7	25	GREY	0,6	X90/5
	A8	7	WHITE	3	X54/02
	B1	14	WHITE	3	X40/03
	B3	20	YELLOW	2	X114/5
	B5	11	BLACK	2	X76B
	B8	10	BLACK	4	X76A
	C1	13	WHITE	3	X54/02
	C2	572	GREY	0,6	X83/1
	C3	573	GREY	0,6	X83/3
	C4	6	GREY	0,6	X83/02
	C5	305	RED	0,6	X121/5
	C6	306	GREEN	0,6	X121/8
C8	12	WHITE	3	X54/01	



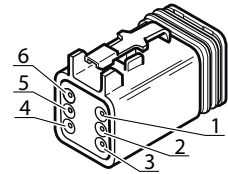
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X25	1	102	YELLOW	2	X26/16
	2	106	BLACK	2	X106



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X26	3	99	YELLOW	2	X79/1
	4	201	BLACK	3	X76/B
	5	86	YELLOW	2	X41/3
	6	87	GREEN	1	X41/5
	7	88	YELLOW	2	X41/1
	8	103	GREEN	1	X80/1
	9	104	YELLOW	2	X79/2
	10	105	GREY	0,6	X37/1
	11	135	YELLOW	2	X41/10
	12	200	BLACK	3	X76/B
	13	199	BLACK	3	X76/B
	14	208	GREEN	1	X75
	15	162	YELLOW	2	X4/4
16	102	YELLOW	2	X25/1	



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X74	1	54	BLACK	1	X76/A
	2	52	GREEN	1	X39/3
	3	53	GREEN	1	X39/4
	4	50	GREEN	1	X39/1
	5	51	GREEN	1	X39/10
	6		PLUG	114017	



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X75		208	GREEN	1	X26/14

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X76A (Mas. G./Cabine)		10	BLACK	4	X24/B8
		30	BLACK	0,6	X119/10
		54	BLACK	1	X74/1
		56	BLACK	0,6	X72B
		69	BLACK	2	X45/4
		83	BLACK	4	X30/A
		93	BLACK	2	X77/1
		111	BLACK	1	X13/1
		129	BLACK	2	X105
		130	BLACK	0,6	X49/10
		132	BLACK	0,6	X61/10
		258	BLACK	3	EP02
		543	BLACK	0,6	X122/12
		544	BLACK	1	X122/13



DIODES

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>On</i>
Diode V1	5	GREEN	1	EP13
	122	GREY	0,6	EP10
	123	GREY	0,6	EP10
	239	GREEN	1	EP10
	247	GREY	0,6	EP10

<i>Item</i>	<i>Wire N°</i>	<i>Color</i>	<i>Section (mm2)</i>	<i>On</i>
Diode V3	17	GREY	0,6	EP37
	571	GREY	0,6	EP34

SPLICES / ENGINE HARNESS

Item	Wire N°	Color	Section (mm ²)	Towards
EP42	631	BROWN	7	X173/B
	656	GREEN	1	X177/7
	657	GREEN	1	X177/8
	658	GREEN	1	X177/15
	659	GREEN	1	X177/16

Item	Wire N°	Color	Section (mm ²)	Towards
EP43	636	BLACK	7	X168
	637	BLACK	1	X177/1
	638	BLACK	1	X177/2
	639	BLACK	1	X177/3
	640	BLACK	1	X177/9
	641	BLACK	1	X177/10

Item	Wire N°	Color	Section (mm ²)	Towards
EP44	662	GREEN	0,6	X24/C6
	663	GREEN	1	X177/21

Item	Wire N°	Color	Section (mm ²)	Towards
EP45	660	RED	1	X177/20
	661	RED	0,6	X24/C5

Item	Wire N°	Color	Section (mm ²)	Towards
EP46	644	GREY	0,6	X166/A
	647	GREEN	1	X177/35
	648	GREY	0,6	X178/2

Item	Wire N°	Color	Section (mm ²)	Towards
EP48	612	YELLOW	2	X24/B3
	645	GREY	0,6	X171/1
	646	GREEN	1	X177/40

MLT 735 -120 LSU Série 6-E3
 MLT 741 -120 LSU Série 6-E3
 MLT-X735 -120 LSU Série 6-E3
 MLT-X741 -120 LSU Série 6-E3

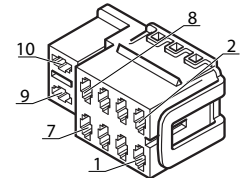
<i>Harness Type</i>	<i>Item</i>		<i>Designation</i>		
MAIN	X91		CIGARETTE LIGHTER LIGHT/COMMON EARTH WITH CORP AC		
CONTROL VALVE	X92		PROPORTIONAL EV ON JIB LOWERING / VRP		
MAIN	X93		TILTING CUT-OFF VALVE (VCI) CONNECTOR		
MAIN	X95		HELLA K18 MINI RELAY HOLDER		
MAIN	X97		JIB HEAD ELECTRICAL PROVISION OR JIB HEAD EV		
MAIN	X98		TRANSMISSION FLUID PRESSURE SWITCH		
MAIN	X99		VISHAY GAUGE CONNECTOR		
MAIN	X100		EN15000 ANGLE CONNECTOR		
MAIN	X102A		FUSE HOLDER POWER SUPPLY BY 30 THK		
MAIN	X102B		1A FUSE HOLDER FOR MICROPHONE RC2-20 POWER SUPPLY		
MAIN	X103		JIB HEAD ELECTRIC CONNECTOR SWITCH		
MAIN	X104		LSU PUMP		
MAIN/CONTROL VALVE	X105		CONTROL VALVE HARNESS EARTH CONNECTION		
MAIN	X106		EARTH		
MAIN	X107		CAB REAR EARTH / LSU COMPUTER EARTH CONNECTION		
MAIN	X109		LSU CONNECTOR / REXTROTH		
MAIN	X112		FORCED OPERATION PUSH BUTTON CONNECTOR		
MAIN	X113		FORCED OPERATION POTENTIOMETER CONNECTOR		
MAIN	X114		EMERGENCY STOP		
MAIN	X115		OBD II DIAG CONNECTOR		
MAIN	X116		EASY CONNECT CONNECTOR		
MAIN	X117		ATTACHMENT LOCKING SWITCH		
MAIN	X118		ANTI-THEFT MODULE PROVISION CONNECTOR		
MAIN	X119		OVERRIDE SWITCH		
MAIN	X121		CANLINK MODULE		
MAIN	X134		JIB RETRACTION SENSOR PART NO. 261448		
ENGINE	X161		STARTER ELECTROVALVE		
ENGINE	X165		FUEL GAUGE		
ENGINE	X166A		AIR FILTER CLOGGING		
ENGINE	X166B		AIR FILTER CLOGGING		
ENGINE	X167		PREHEAT		
ENGINE	X168		ENGINE EARTH		
ENGINE	X171		PREHEAT RELAY		
ENGINE	X172		PREHEAT/ALTERNATOR POWER FUSES		
ENGINE	X173		EQUIPMENT POWER FUSES		
ENGINE	X174		CLOCK EARTH		
ENGINE	X177		ENGINE ECM		
ENGINE	X178		PRESENCE OF WATER IN DIESEL FUEL		
ENGINE	X179		ACCELERATOR POTENTIOMETER		

MLT 735 -120 LSU Série 6-E3
 MLT 741 -120 LSU Série 6-E3
 MLT-X735 -120 LSU Série 6-E3
 MLT-X741 -120 LSU Série 6-E3

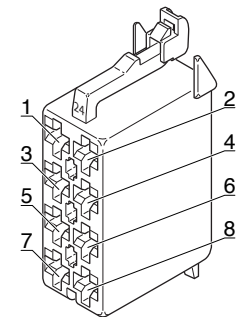
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X51	1	29	GREY	0,6	X21/A
	2	32	BLACK	0,6	X52/10
		71	BLACK	0,6	X50/2



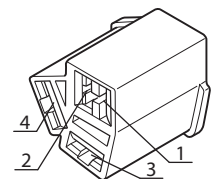
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X52	1	27	GREY	0,6	X21/B
		46	GREY	0,6	X15/B
	5	58	GREY	0,6	X40/07
		77E	GREY	0,6	X52/9
	9	77E	GREY	0,6	X52/5
	10	32	BLACK	0,6	X51/2
		134	BLACK	0,6	X103/10



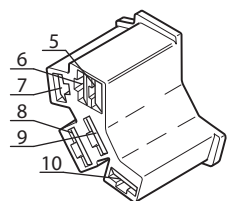
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X53	1	253	GREY	0,6	X27/4
	2	254	BLACK	0,6	X27/2
	7	251	GREY	0,6	X27/3
	8	252	BLACK	0,6	X27/1



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X54	1	12	WHITE	3	X24/C8
		16	WHITE	3	X24/A1
		63	WHITE	3	X45/1
	2	7	WHITE	3	X24/A8
		13	WHITE	3	X24/C1
		64	WHITE	3	X45/2
4	92	YELLOW	2	X55/8	

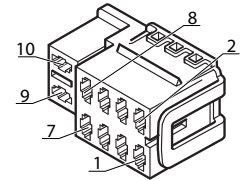


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X55	5	67	WHITE	3	X45/6
		68	WHITE	3	X45/5
	6	65	WHITE	3	X45/8
		66	WHITE	3	X45/7
	7	82	WHITE	3	X47/1
	8	92	YELLOW	2	X54/4

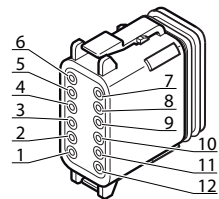


MLT 735 -120 LSU Série 6-E3
 MLT 741 -120 LSU Série 6-E3
 MLT-X735 -120 LSU Série 6-E3
 MLT-X741 -120 LSU Série 6-E3

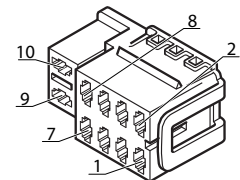
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X117	1	456	GREY	0,6	X57/19
	5	75A	BLACK	0,6	X117/10
		190	BLACK	0,6	X33/10
	9	217	GREY	0,6	X33/09
		277	GREY	0,6	X116/09
	10	75A	BLACK	0,6	X117/5



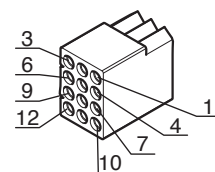
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X118	1	215	GREEN	1	X37/1
	2	211	GREEN	1	X4/2
	4	39	GREEN	1	EP4
	5	214	YELLOW	2	X41/12
	6	225	GREEN	1	X114/4
	7	236	GREEN	1	X42/1
	8	499	YELLOW	2	X114/2
	9	41	GREEN	1	X61/5
	12	216	BLACK	1	X76B



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X119	1	478	GREY	0,6	X56/11
	5	77C	GREY	0,6	X119/09
		218	GREY	0,6	X44/13
	9	77C	GREY	0,6	X119/5
		79	GREY	0,6	X58/2
	10	30	BLACK	0,6	X76A
		31	BLACK	0,6	X58/1

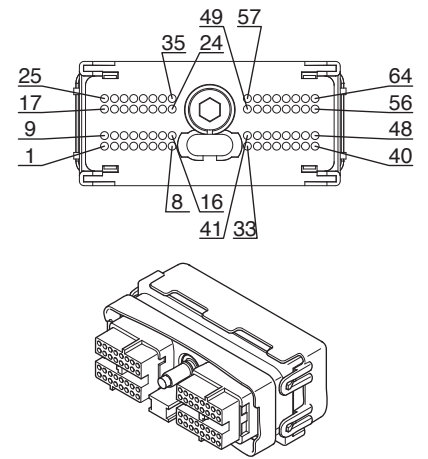


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X121	1	569	BLACK	0,6	X107
	2	570	GREY	0,6	X41/11
	3	91	BLACK	0,6	EP16
	4	26	GREY	0,6	X89/5
	5	305	RED	0,6	X24/C5
		307	RED	0,6	X115/03
	6	21	GREY	0,6	X38/1
	7	571	GREY	0,6	EP34
	8	306	GREEN	0,6	X24/C6
		308	GREEN	0,6	X115/11
	9	24	GREY	0,6	X68/5

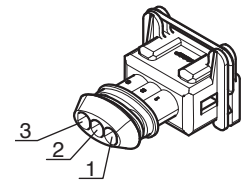


MLT 735 -120 LSU Série 6-E3
 MLT 741 -120 LSU Série 6-E3
 MLT-X735 -120 LSU Série 6-E3
 MLT-X741 -120 LSU Série 6-E3

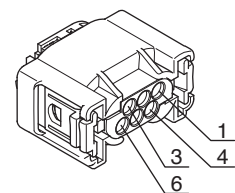
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X177	1	637	BLACK	1	EP43
	2	638	BLACK	1	EP43
	3	639	BLACK	1	EP43
	7	656	GREEN	1	EP42
	8	657	GREEN	1	EP42
	9	640	BLACK	1	EP43
	10	641	BLACK	1	EP43
	15	658	GREEN	1	EP42
	16	659	GREEN	1	EP42
	20	660	RED	1	EP45
	21	663	GREEN	1	EP44
	33	651	GREEN	1	X179/2
	35	647	GREEN	1	EP46
	38	643	GREEN	1	X166/B
	40	646	GREEN	1	EP48
	41	655	GREEN	1	X179/1
	43	652	GREEN	1	X179/5
	44	650	GREEN	1	X178/1
	45	653	GREEN	1	X179/6
	54	654	GREEN	1	X179/4
	57	628	BLACK	1	X171/2
	59	614	GREEN	1	X24/C4
	60	615	GREEN	1	X24/C3
	62	613	GREEN	1	X24/A4
	63	642	GREEN	1	X24/C2



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X178	1	650	GREEN	1	X177/44
	2	648	GREY	0,6	EP46
	3	649	GREY	0,6	X171/1

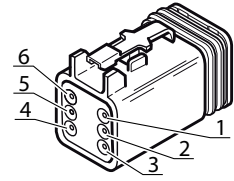


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X179	1	655	GREEN	1	X177/41
	2	651	GREEN	1	X177/33
	4	654	GREEN	1	X177/54
	5	652	GREEN	1	X177/43
	6	653	GREEN	1	X177/45



MLT 735 -120 LSU POWERSHIFT Série 6-E3
 MLT 741 -120 LSU POWERSHIFT Série 6-E3
 MLT-X735 -120 LSU POWERSHIFT Série 6-E3

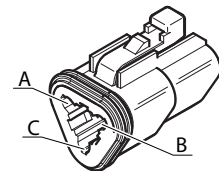
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X13	1	111	BLACK	1	X76/A
	2	109	GREEN	1	X39/9
	3	110	GREEN	1	X39/5
	4	107	GREEN	1	X39/6
	5	108	GREEN	1	X39/2



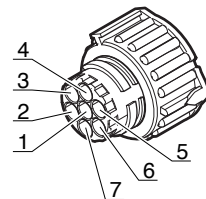
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X14		150	GREY	0,6	X38/4



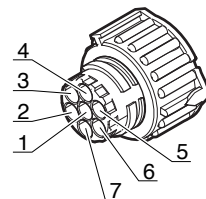
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X15	A	48	GREY	0,6	X50/1
	B	46	GREY	0,6	X52/1
	C	47	BLACK	0,6	EP2



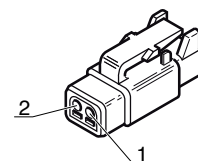
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X16	1	125	BLACK	1	X106
	2	244	GREY	0,6	EP3
	3	122	GREY	0,6	EP10
	4	121	GREY	0,6	EP11
	5	117	GREY	0,6	EP15
	6	145	GREY	0,6	EP8



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X17	1	124	BLACK	1	X106
	2	118	GREY	0,6	EP9
	3	123	GREY	0,6	EP10
	4	120	GREY	0,6	EP14
	5	116	GREY	0,6	EP15
	6	255	GREY	0,6	EP8

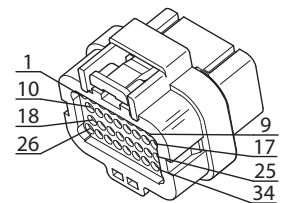


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X18	1	246	GREY	0,6	EP9
	2	238	BLACK	0,6	X106

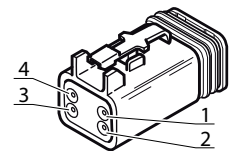


MLT 735 -120 LSU POWERSHIFT Série 6-E3
 MLT 741 -120 LSU POWERSHIFT Série 6-E3
 MLT-X735 -120 LSU POWERSHIFT Série 6-E3

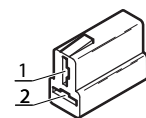
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X57	1	260	RED	0,6	EP35
	2	261	GREEN	0,6	EP36
	3	180	GREEN	1	EP38
	4	181	GREEN	1	EP38
	5	177	GREY	0,6	X87/2
	6	196	GREY	0,6	X87/5
	7	42	GREY	0,6	X87/6
	8	182	GREEN	1	X37/3
	9	183	GREEN	1	X37/3
	11	492	GREEN	1	EP36
	12	240	GREY	0,6	X36/9
	13	458	GREY	0,6	X113/3
	14	477	GREY	0,6	EP24
	15	481	GREY	0,6	X134/4
	16	170	GREY	0,6	X36/7
	17	148	GREY	0,6	X44/8
	19	456	GREY	0,6	X117/1
	22	476	GREY	0,6	EP23
	23	482	GREY	0,6	X134/3
	24	171	GREY	0,6	EP27
	29	176	GREY	0,6	X87/1
	31	210	BLACK	1	EP28
	32	234	GREEN	1	X93/1
	33	463	GREY	0,6	X112/3
34	187	BLACK	1	X76B	



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X58	1	31	BLACK	0,6	X119/10
	2	79	GREY	0,6	X119/9
	3	490	RED	0,6	EP35
	4	491	GREEN	0,6	EP36



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X59	1	266	GREY	0,6	X41/6
	2	267	BLACK	0,6	X24/A2

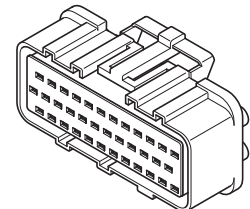
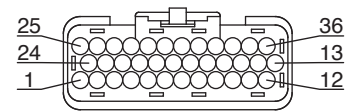


Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X60	1	265	GREY	0,6	EP17

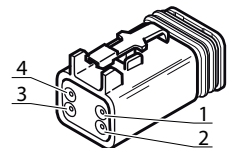


MLT 735 -120 LSU POWERSHIFT Série 6-E3
 MLT 741 -120 LSU POWERSHIFT Série 6-E3
 MLT-X735 -120 LSU POWERSHIFT Série 6-E3

Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X122	1	167	GREY	0.6	EP23
	2	540	GREY	0.6	X78-1
	6	568	GREY	0.6	X127-2
	7	559	GREEN	1	X124-02
	8	552	GREY	0,6	X115-10
	9	553	GREEN	1	X123-3
	10	554	BLACK	1	X123-2
	12	543	BLACK	0.6	X76A
	13	544	BLACK	1	X76A
	15	542	GREY	0.6	X42-04
	16	555	GREEN	1	X123-1
	17	556	GREEN	1	X123-4
	18	551	GREY	0,6	X115-2
	19	560	GREEN	1	X124-03
	20	561	GREY	0.6	EP31
	21	205	GREY	0.6	X44-10
	22	563	GREY	0.6	X128-07
	23	541	GREY	0.6	X78-2
	24	232	GREY	0.6	EP24
	26	564	GREY	0.6	X03
	28	547	GREEN	1	X124-08
	29	548	GREEN	1	X124-07
	30	546	GREEN	1	X124-09
	31	545	GREEN	1	X124-04
	32	549	GREEN	1	X124-05
	33	550	GREEN	1	X124-06
	35	227	GREEN	1	X114-3
	36	557	GREEN	1	EP04



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X123	1	555	GREEN	1	X122-16
	2	554	BLACK	1	X122-10
	3	553	GREEN	1	X122-09
	4	556	GREEN	1	X122-17

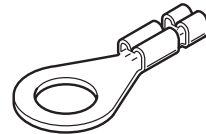


MLT 735 -120 LSU POWERSHIFT Série 6-E3
 MLT 741 -120 LSU POWERSHIFT Série 6-E3
 MLT-X735 -120 LSU POWERSHIFT Série 6-E3

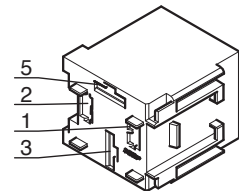
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X167		627	BROWN	7	X171/3



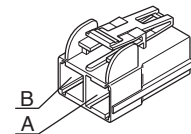
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X168		604	BLACK	2	X24/B5
		605	BLACK	4	X24/B8
		621	BLACK	0,6	X165/2
		636	BLACK	7	EP43



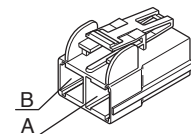
Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X171	1	645	GREY	0,6	EP48
		649	GREY	0,6	X178/3
	2	628	BLACK	1	X177/57
	3	627	BROWN	7	X167
	5	629	BROWN	7	X172/A



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X172	A	629	BROWN	7	X171/5
	B	620	RED	16	B+



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X173	A	603	WHITE	3	X24/C1
		606	WHITE	3	X24/C8
		608	WHITE	3	X24/A1
		611	WHITE	3	X24/A8
	B	631	BROWN	7	EP42



Item	Pos	Wire N°	Color	Section (mm ²)	Towards
X174		609	BLACK	1	X24/A2



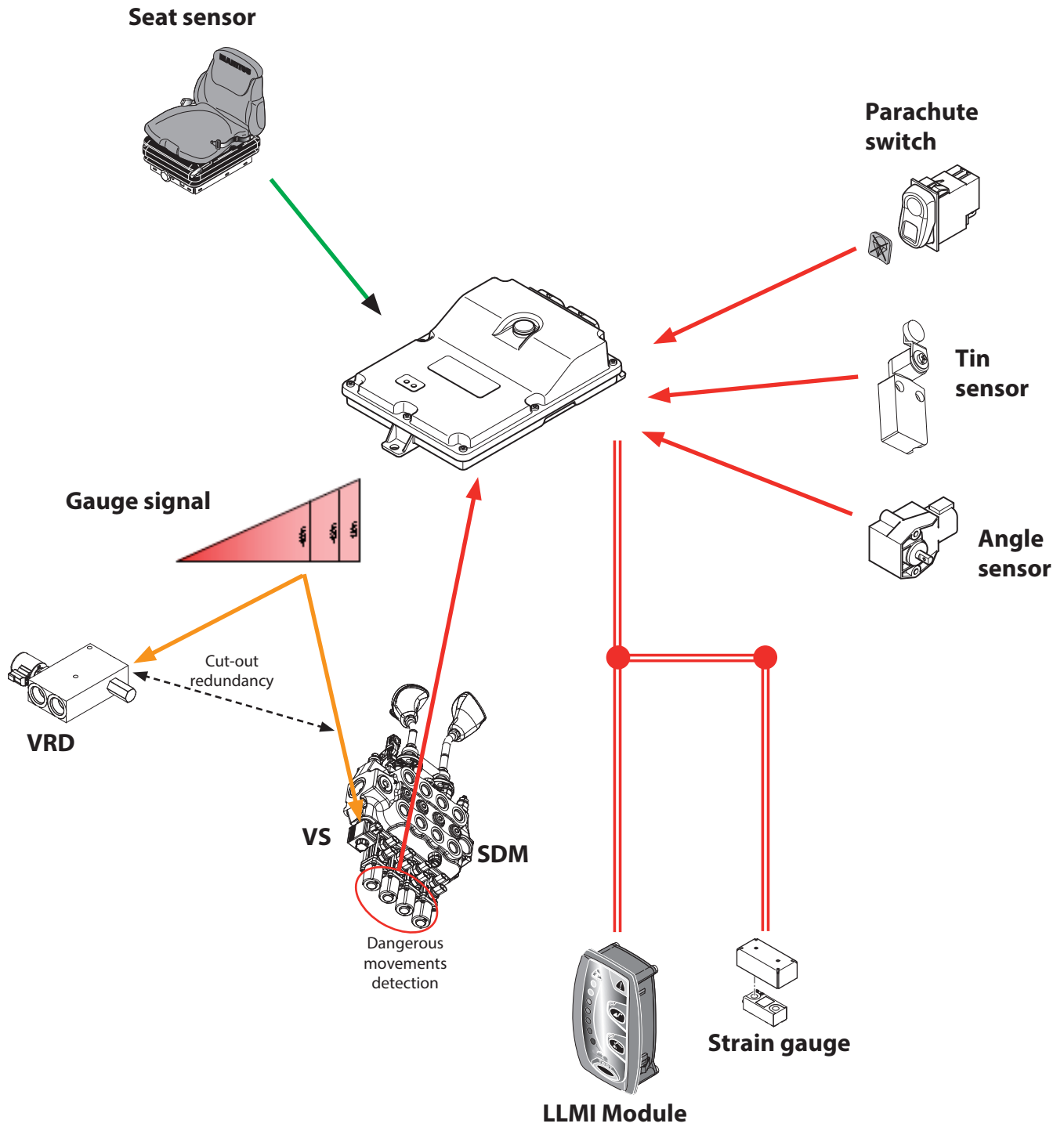
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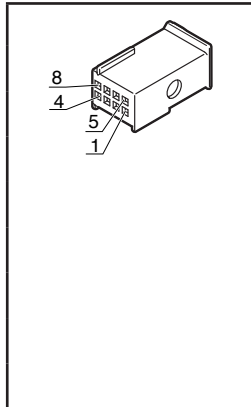
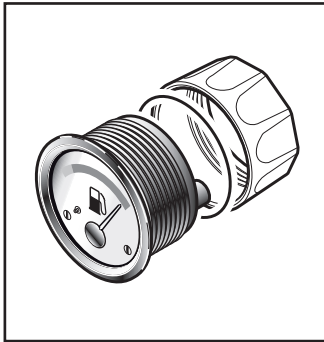
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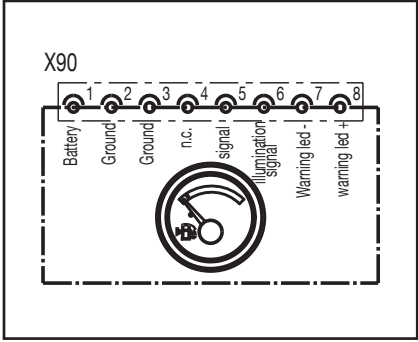
- Operator presence
- Hydraulic operation
- = Can-Bus
- Stability control

SPU 25-15 NO LSU						
Description 18	ECU TYPE	CONNECTOR	PIN N°	Wire N°	Function on forklift	Comments
EARTH	EARTH	X56	26	185	ECU EARTH	
CAN HIGH	CAN H	X57	01	260	CAN H	
CAN LOW	CAN L	X57	02	261	CAN L	
SPU SUPPLY IGNITION ON	OUT2 PWM 12 VD	X57	03	180	ECU SUPPLY + 12 VD	Not powered when Emergency Stop Button actuated
12 V SUPPLY IGNITION ON	12 VD	X57	04	181	ECU SUPPLY + 12 VD	Not powered when Emergency Stop Button actuated
PWM-06 OUTPUT	HSD-06	X57	05		BOOM DIRECTION + SOLENOID OPERATED VALVE FEED	
PWM-04 OUTPUT	HSD-04	X57	06	196	LOWERING PROPORTIONAL SOLENOID OPERATED VALVE FEED	
PWM-01 OUTLET	HSD-01	X57	07	42	SAFETY VALVE (VS) SUPPLY	
12 V POWER SUPPLY	12 VC	X57	08	182	SUPPLY + IGNITION ON ECU + 12 VC	
12 V POWER SUPPLY	12 VC	X57	09	183	SUPPLY + IGNITION ON ECU + 12 VC	
CAN 2 HIGH	CAN 2 HI	X57	10		NOT USED	
RESISTANCE 120 Ω	CAN 1 120	X57	11	492	R 120 CAN TERMINAL RESISTANCE	
LOGIC INPUT 16	UN-19	X57	12	240	12 V CONTACT BP1 EV TDF INPUT	
ANALOGUE INLET 5	UN-17	X57	13		NOT USED	
LOGIC INPUT 9	UN-15	X57	14	477	FORWARD GEAR INFO INPUT	
LOGIC INPUT 5	UN-12	X57	15	481 ou 376	RETRACTED BOOM SENSOR NO 12 V INPUT	
ANALOGUE INLET 4	UN-10	X57	16		ANALOG INPUT JSM ROLLER 2 (Accessory)	
PWM 2 OUTPUT	HSD-02	X57	17	148	TRANSMISSION CUT-OFF OUTPUT	Wire 376 on MT 1030 ST
CAN 2 LOW	CAN 2 60	X57	18		NOT USED	
LOGIC INPUT 11	UN-20	X57	19	456	ACCESSORY 1 AND 2 CONTROL LOCKING INPUT	
LOGIC INPUT 18	UN-18	X57	20	288	NC TELESCOPE SWITCH	ON WALVOIL DISTRIBUTOR
LOGIC INPUT 07	UN-16	X57	21	292	NC LIFTING SWITCH	ON WALVOIL DISTRIBUTOR
LOGIC INPUT 08	UN-14	X57	22	476	NC SEAT SENSOR INPUT + 12 V	
LOGIC INPUT 06	UN-13	X57	23	482	RETRACTED BOOM SENSOR INPUT 12 V	
LOGIC INPUT 15	UN-11	X57	24	286	NO TILTING SENSOR	ON WALVOIL DISTRIBUTOR
PWM 9 OUTPUT	HSD-09	X57	25		PROPORTIONAL LIFTING SOLENOID OPERATED VALVE OUTPUT	
LIN INTERFACE	LIN	X57	26		NOT USED	
CAN 2 120 Ω	CAN 2 120	X57	27		NOT USED	
CAN 1 EARTH	EARTH CAN	X57	28	DRAIN	SHIELDING CAN 1	
PWM OUTPUT 5	HSD-05	X57	29		NOT USED	
PWM OUTPUT 3	HSD-03	X57	30		NOT USED	
ANALOG SENSOR EARTH	EARTH A	X57	31	210	ANALOG SENSOR EARTH	
PWM OUTPUT 11	HSD-11	X57	32		NOT USED	
PWM OUTPUT 10	HSD-10	X57	33		NOT USED	
ECU EARTH	EARTH	X57	34	187	ECU EARTH	

P2 FUEL LEVEL INDICATOR



PIN	Function
1	+ After ignition on
2	Ground
3	N/A
4	N/A
5	Resistive signal
6	Rear lighting
7	N/A
8	N/A



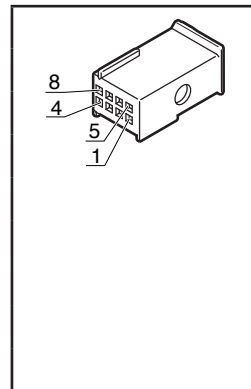
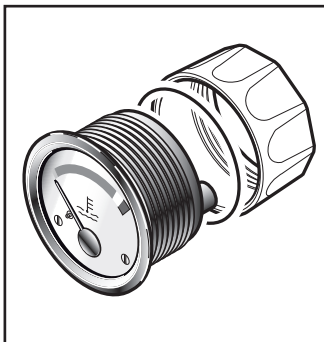
Diagram

Corresponding connector

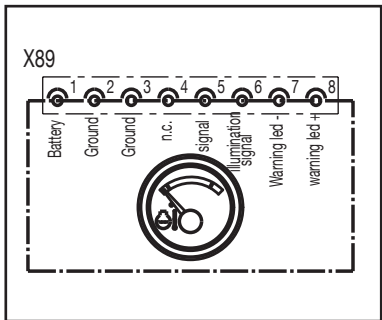
	PIN	Minimum	Typical	Max
Voltage		10 V	12V	16 V
Consumption			100 mA without rear lighting 150 mA with rear lighting	

Notes: _____

P3 WATER TEMPERATURE INDICATOR



PIN	Function
1	+ After ignition on
2	Ground
3	N/A
4	N/A
5	Resistive signal
6	Rear lighting
7	N/A
8	N/A



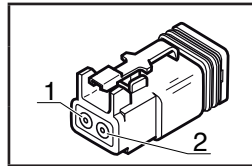
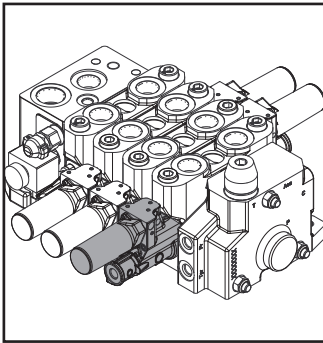
Diagram

Corresponding connector

	PIN	Minimum	Typical	Max
Voltage		10 V	12V	16 V
Consumption			100 mA sans rétroéclairage 150 mA avec rétroéclairage	

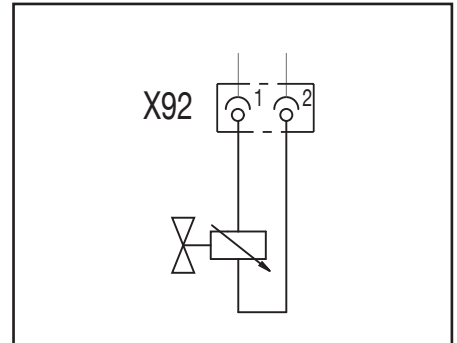
Notes: _____

Y19 PROPORTIONAL SOLENOID VALVE, JIB DESCENT VRP (MLT LSU)



PIN	Function
1	Power supply
2	Ground

Corresponding connector



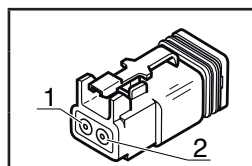
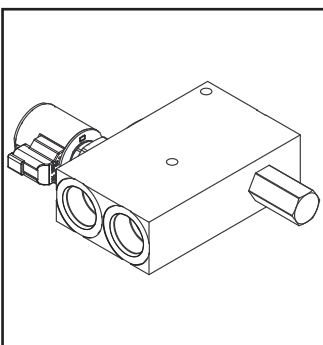
Diagram

	PIN	Minimum	Typical	Max
Supply voltage				
Coil resistance (at 20°C)			3,5 Ω	
Tolerance			10%	
Consumption			0 à 1,5 A	1,5 A

Comments:
Solenoid valve control is by current variation. Voltage is indicative only.

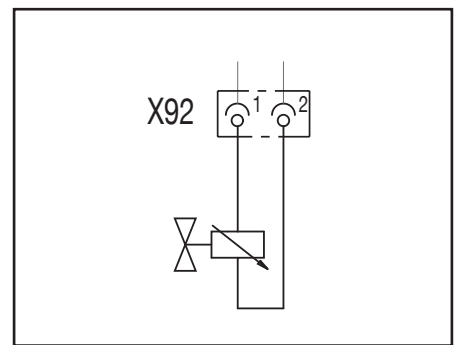
Notes: _____

Y19 PROPORTIONAL SOLENOID VALVE, JIB DESCENT VRD (MLT MT)



PIN	Function
1	Power supply
2	Ground

Corresponding connector



Diagram

	PIN	Minimum	Typical	Max
Supply voltage				
Coil resistance (at 20°C)			5 Ω	
Tolerance			10%	
Consumption			0 à 1,5 A	1,5 A

Notes: _____

**MT 732 SERIE E-E3 / MT-X732 SERIE E-E3 /MT 932 SERIE E-E3 /
MT 1030 S TURBO SERIE 5-E3 / MT-X1030 S TURBO SERIE 5-E3**

pages

POSITION OF CONNECTORS ON DIAGRAMSA3
POSITION OF COMPONENTS ON DIAGRAMSA8
POSITION OF FUSES AND RELAYS ON DIAGRAMSA13
POSITION OF SPLICES ON DIAGRAMSA14
ELECTRICAL DIAGRAMSA15

Components						
Item	Designation	Position on diagram				Hydraulic correspondence
		1	2	3	4	
M6	SIDE WINDSCREEN WIPER MOTOR				40A	
M7	FRONT WINDSCREEN WASHER PUMP				40E	
M10	AIR-CONDITIONING COMPRESSOR		18A			
M11	CLEANFIX COMPRESSOR				38A	
M12	AIR-CONDITIONING FAN MOTOR 1		18A			
M13	AIR-CONDITIONING FAN MOTOR 2		19A			
M15	PNEUMATIC SEAT COMPRESSOR				38B	
M16	VENTILATION MOTOR-FAN		17A			
P1	HOUR METER / REV COUNTER	8A				
P2	FUEL LEVEL	7A				
P3	ENGINE COOLANT TEMPERATURE	9A				
P4	WATCH	5A				
R1	PREHEATING RESISTANCES	2B				
R2	FUEL LEVEL SENSOR	2A				
R3	REAR DEFROST				44D	
R5	DIESEL DECONGEALANT HEATING ELEMENT	2A				
R6	PREHEAT ROD	1A				
R7	ENGINE TEMPERATURE SENSOR	4B				
S1	BATTERY CUT-OFF	1A				
S2	IGNITION SWITCH	2F				
S4	WIPER STALK SWITCH				43G	
S5	LIGHT STALK SWITCH	8G				
S10	JIB HEAD ELECTROVALVE REEL				36B	
S11	BRAKE LIQUID LEVEL CONTACT	10C				
S12	ROTATING BEACON LIGHT SWITCH				42C	
S13	WARNING SWITCH		15G			
S15	BLUE HEADLIGHT SWITCH				39B	
S16	REAR WINDOW DEFROST SWITCH				45C	
S19	HAND BRAKE SWITCH			28A		
S20	BRAKE PEDAL SWITCH			26B		
S21	GEAR LEVER SWITCH			27B		
S27	OVERRIDE SWITCH				35C	
S29	JIB ELECTRICAL CONNECTOR / JIB HEAD EV SWITCH				37C	
S30	TRANSMISSION CUT-OFF SWITCH			25A		
S31	WHEEL ALIGNMENT SWITCH				37C	
S32	REAR FOG LIGHT SWITCH		16B			
S33	MOVEMENT NEUTRALISATION SWITCH			33C		
S34	TELESCOPE RETRACTED POSITION SWITCH			31G		
S35	CLEANFIX SWITCH				38B	

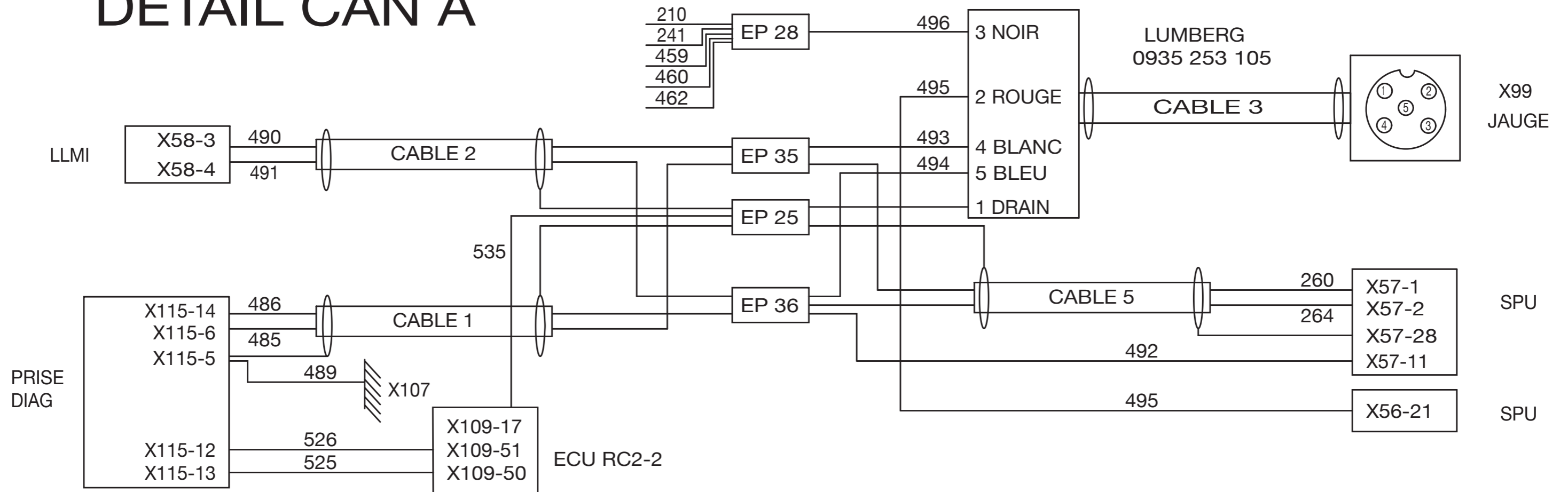
Components						
Item	Designation	Position on diagram				Hydraulic correspondence
		1	2	3	4	
E2	FRONT RIGHT HEADLIGHT	11A				
E3	REAR LEFT HEADLIGHT		12A			
E4	REAR RIGHT HEADLIGHT		13A			
E5	LEFT TRAILER LIGHT		14A			
E6	LEFT TRAILER LIGHT		14A			
E7	REAR NUMBER PLATE LIGHT		15A			
E8	WHEEL ALIGNMENT INDICATOR LAMPS				34A	
E12	FRONT RIGHT WORKING LIGHT				43A	
E13	FRONT LEFT WORKING LIGHT				43A	
E14	ROOF LIGHT				44A	
E15	ROTATING BEACON LIGHT				42A	
E16	REAR LEFT WORKING LIGHT				43A	
E17	REAR RIGHT WORKING LIGHT				44A	
E18	LEFT WORKING LIGHT ON JIB				45A	
E19	RIGHT WORKING LIGHT ON JIB				46A	
E20	FRONT LEFT BLUE LIGHT				37B	
E21	FRONT RIGHT BLUE LIGHT				38B	
E22	REAR LEFT BLUE LIGHT				38B	
E23	REAR RIGHT BLUE LIGHT				38B	
F46	THERMAL CIRCUIT-BREAKER		18C			
G1	12V - 110AH - 750A BATTERY	1B				
G2	12V / 85 A ALTERNATOR	2C				
H1	REAR RIGHT AND LEFT FOG LIGHT		12A 13A			
H2	REAR RIGHT AND LEFT POSITION LIGHT		12A 13A			
H3	REAR RIGHT AND LEFT STOP LIGHT		12A 13A			
H4	REAR LEFT DIRECTION INDICATOR LIGHT		12A			
H5	REAR RIGHT AND LEFT REVERSING LIGHT		12A 13A			
H6	REAR RIGHT DIRECTION INDICATOR LIGHT		13A			
H7	FRONT RIGHT AND LEFT POSITION LIGHT	10A 11A				
H8	RIGHT AND LEFT DIPPED BEAM LIGHT	10A 11A				
H9	RIGHT AND LEFT MAIN BEAM LIGHT	10A 11A				
H10	FRONT RIGHT DIRECTION INDICATOR LIGHT	11A				
H11	FRONT LEFT DIRECTION INDICATOR LIGHT	10A				
H13	FRONT WHEEL ALIGNMENT LIGHT				34A	
H14	REAR WHEEL ALIGNMENT LIGHT				35A	
H15	CLOCK LIGHT	5A				
H20	PREHEAT		12E			
H21	ENGINE POLLUTION		12E			

POSITION OF COMPONENTS ON DIAGRAMS

Components						
Item	Designation	Position on diagram				Hydraulic correspondence
		1	2	3	4	
A1	ANTI-THEFT UNIT			26G		
A2	INSTRUMENT PANEL		15D			
A3	SPU MODULE			28F		
A4	LSU PROPORTIONAL PUMP ECU				36E	
A5	LONGITUDINAL SAFETY MODULE (LLMI)			32B		
A6	AIR CONDITIONING MODULE		18B			
A7	CAR RADIO	4G				
A8	HEATING / VENTILATION PANEL		17B			
A9	CLEANFIX MODULE				38A	
A10	FINTRONIC ANTI-START UNIT			24G		
A11	FINTRONIC ANTENNA			25G		
A12	JSM (JOYSTICK SWITCH AND MOVE)			31G		
A13	DIGICODE			25G		
A14	MODCLÉ			26G		
A15	PLATE		22G			
A16	REAR HYDRAULIC MODULE E5-S5			36A		
BF1	PREHEAT POWER FUSE AND RELAY BOX	1D				
B1	REVERSING SOUND ALARM		15A			
B2	HORN		16E			
B3	ENGINE FLUID PRESSURE SWITCH	2B				
B5	ENGINE TEMPERATURE SENSOR	4B				
B6	ENGINE AIR FILTER CLOGGING PRESSURE SWITCH	3A				
B7	HYDRAULIC FILTER CLOGGING PRESSURE SWITCH		17E			
B8	STEERING FAULT PRESSURE SWITCH	11A				
B9	FRONT WHEEL ALIGNMENT SENSOR			34B		
B10	REAR WHEEL ALIGNMENT SENSOR			34B		
B11	STOP SWITCH PRESSURE SWITCH	9A				
B12	REVERSE TILT / JIB SUSPENSION MVT DETECTION PRESSURE SWITCH				37D	
B13	LOWERING / JIB SUSPENSION MVT DETECTION PRESSURE SWITCH				37D	
B14	DUMPING / JIB SUSPENSION MVT DETECTION PRESSURE SWITCH				38D	
B20	STRAIN GAUGE			29A		
B21	FORCED OPERATION POTENTIOMETER			29G		
B22	LSU POTENTIOMETER	3C				
B23	JIB ANGLE POTENTIOMETER			30G		
B25	JIB SUSPENSION CYLINDER VALVE PRESSURE SWITCH				38D	
B27	RIGHT LOUDSPEAKER				45A	
B28	LEFT LOUDSPEAKER				45A	
B46	AIR-CONDITIONING HIGH PRESSURE SENSOR		17B			

MLT 1035 L Turbo LSU Série 6-E3
MLT-X1035 100 L Turbo LSU Série 6-E3

DETAIL CAN A



EP 36 CAN LOW
EP 35 CAN HIGH
EP 25 DRAIN
EP 28 MASSE ANALOGIQUE

Connectors								
Wiring harness type	Item	Name component	Designation	Position on diagram				Hydraulic correspondence
				1	2	3	4	
MAIN	X90		FUEL LEVEL MODULE	7A				
MAIN	X91		CIGARETTE LIGHTER LIGHT		23C			
CONT VALVE	X92		PROPORTIONAL EV ON JIB LOWERING / VRD-VRP			31A		
MAIN/CONTROL VALVE	X93		TILTING CUT-OFF EV / VCI			32A		
OPT	X94		JIB HEAD ELECTROVALVE			34B		
MAIN	X95		HELLA K12-K18 MINI RELAY HOLDER		22B			
OPT (MT)	X96		7-PIN REAR ELECTRIC SOCKET		16A			
MAIN	X97		JIB HEAD ELECTRICAL PROVISION or JIB HEAD EV			34B		
MAIN	X98		TRANSMISSION FLUID PRESSURE SWITCH (PS: on PS gear box)		19E			
MAIN	X99		VISHAY GAUGE CONNECTOR			29B		
MAIN	X100		EN15000 JIB ANGLE SENSOR			30G		
CABLE	X101		MID-CHASSIS EARTH / ENGINE	2A				
ADAPTATION	X102A		FUSE HOLDER POWER SUPPLY BY 30 THK				36G	
ADAPTATION	X102B		1A FUSE HOLDER FOR MICROPHONE RC2-20 power supply				36G	
MAIN	X103		JIB HEAD CONNECTOR OR JIB HEAD EV SWITCH			35C		
MAIN	X104		LSU PUMP				38F 43G	
MAIN/CONTROL VALVE	X105		CONTROL VALVE HARNESS EARTH CONNECTION	1A				
MAIN	X106		REAR CHASSIS EARTH	1A				
MAIN/ADAPTING	X107		CAB REAR EARTH	1A				
CABLE	X108		CAB FRONT EARTH ON CAB BRACKET			26A		
ADAPTATION	X109		ECU LSU / REXROTH				35H	
MAIN/ADAPTING	X110		GREY CASAPPA LSU ECU / A				35G 40H	
MAIN/ADAPTING	X111		BLACK CASAPPA LSU ECU / B				38G 41H	
MAIN	X112		FORCED OPERATION PUSH BUTTON			28G		
MAIN	X113		FORCED OPERATION POTENTIOMETER			29G		
MAIN	X114		EMERGENCY STOP			26F		
MAIN	X115		DIAGNOSTIC PLUG			34F		
MAIN	X116		EASY CONNECT SYSTEM SWITCH			28A		
MAIN	X117		ATTACHMENT LOCKING SWITCH			32C		
MAIN	X118		ANTI-THEFT MODULE PROVISION			24F		
MAIN	X119		OVERRIDE SWITCH			33C		
MAIN	X121		CANLINK MODULE	9C				
CABLE	X126		ENGINE EARTH (alternator cable)	1A				
MAIN	X134		JIB RETRACTION SENSOR			31G		
OPT	X135		OPTION CAB RIGHT-HAND EARTH	1A				
CAB	X136		FRONT WORKING HEADLIGHT INTERCONNECTION				43B	
CAB	X138A		LEFT LOUDSPEAKER				45B	

POSITION OF FUSES AND RELAYS ON DIAGRAMS

<i>Fuses and relays</i>						
<i>Item</i>	<i>Current</i>	<i>Designation</i>	<i>Position on diagram</i>			
			<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
F1	7,5 A	LSU + AS OPTION	13G			
F2	15 A	REAR WORKING LIGHTS	8G			
F3	10 A	REAR WINDSCREEN WIPER + ROOF/SIDE WINDSCREEN WIPER	9G			
F4	15 A Max	ENGINE STOP EV OR ENGINE ECM	9G			
F5	7,5 A	ROTATING BEACON LIGHT	8G			
F6	5 A	WHEEL ALIGNMENTS + AS OPTION	10G			
F7	7,5 A	LLMI + OVERRIDE SWITCH + SENSORS + BLUE LIGHT OPT (15A)	13G			
F8	15 A	RELAYS K2/K3/K4 + TRANSMISSION CUT-OFF + JSM/FNR	13G			
F9	5 A	DASHBOARD MODULE + INDICATOR LAMPS	10G			
F10	10 A	HORN + STOP SWITCH	10G			
F11	15 A	WORKING LIGHTS ON JIB	10G			
F12	10 A	INDICATOR LIGHTS	13G			
F13	30 A	VENTILATION	11G			
F14	10 A	CIGARETTE LIGHTER	11G			
F15	20 A	SPU	11G			
F16	5 A	DIAGNOSTIC PLUG	8G			
F17	15 A Max	CLEANFIX + REAR HYDRAULICS + ANTI-THEFT	8G			
F18	15 A	FRONT WORKING LIGHTS	8G			
F19	15 A	REAR WINDSCREEN DEFROST	9G			
F20	10 A	PNEUMATIC SEAT + AS OPTION	8G			
F21	10 A	FRONT WINDSCREEN WIPER + FRONT WINDSCREEN WASHER	10G			
F22	10 A Max	JIB SUSPENSION + JIB ELECTRICAL PROVISION + JIB HEAD EV	10G			
F23	7,5 A	RIGHT SIDELIGHT + MODULE LIGHTING	12G			
F24	7,5 A	LEFT SIDELIGHT + REAR PLATE LIGHTING	12G			
F25	7,5 A	RIGHT INDICATOR LIGHTS	13G			
F26	7,5 A	LEFT INDICATOR LIGHTS	13G			
F27	15 A	DIPPED HEADLIGHT + FOG LIGHT	12G			
F28	15 A	HEADLIGHTS	12G			
F29	15 A	WARNING + ROOF LIGHT + ANTI-THEFT + CLOCK +REV COUNTER	8G			
F30	25 A	LIGHT STALK SWITCH	11G			
F31	25 A	STARTER	1E			
F32	5 A	DIAGNOSTIC PLUG + SPU	7C			
F40	80 A	IGNITION SWITCH	1D			
F41	30 A	ENGINE ECM	1D			
F42	80 A	PREHEAT	1C			
F43	100 A	ALTERNATOR	1C			

POSITION OF CONNECTORS ON DIAGRAMS

Connectors								
Wiring harness type	Item	Name component	Designation	Position on diagram				Hydraulic correspondence
				1	2	3	4	
MAIN	X02		SEAT SWITCH POWER SUPPLY			25D		
MAIN	X03		SEAT SWITCH INFORMATION			25D		
MAIN	X04		POWER SUPPLY TO OPTIONS				36C	
MAIN	X08		TRANSMISSION FLUID THERMOSTAT (PS: on PS gear box)		20A			
MAIN	X11		PNEUMATIC SEAT			27B		
MAIN	X12		HAND BRAKE SWITCH			27B		
MAIN	X13		FRONT RIGHT HEADLIGHT	13A				
MAIN	X14		HORN		17E			
MAIN	X15		FRONT WHEEL ALIGNMENT			34B		
MAIN	X16		REAR RIGHT LIGHT		14A			
MAIN	X17		REAR LEFT LIGHT		14A			
MAIN	X18		NUMBER PLATE LIGHT		17A			
MAIN	X19		REAR TRAILER CONNECTOR		16B			
MAIN	X20		REVERSING SOUND ALARM		16A			
MAIN	X21		REAR WHEEL ALIGNMENT			35B		
MAIN	X22		CLOGGING HYDRAULIC FILTER		18E			
CONT VALVE	X23		HYDRAULIC CUT-OFF EV / VS			32A		
MAIN/ENG	X24		MAIN HARNESS / ENGINE HARNESS INTERFACE	2D				
MAIN	X25		WORKING LIGHTS ON JIB OPTION				46B	
MAIN	X26		UPPER CAB HARNESS				42E	
MAIN	X27		CAB LOUDSPEAKER HARNESS				45B	
CONT VALVE	X28		TELESCOPE RETRACTION EV			31A		
CONT VALVE	X29		TELESCOPE EXTENSION EV			31A		
MAIN	X30		HEATING / VENTILATION		18B			
MAIN	X31		AIR CONDITIONING OPTION		18C			
MAIN	X32		CIGARETTE LIGHTER CONNECTOR			26B		
MAIN	X33		HYDR MVT NEUTRALISATION SWITCH			31C		
CONT VALVE	X34		ATTACHMENT MINUS DIRECTION EV			30A		
CONT VALVE	X35		ATTACHMENT PLUS DIRECTION EV			30A		
MAIN	X36		JSM			32G		
MAIN	X37		PLATE POWER CONNECTOR	11F				
MAIN	X38		PLATE FAULT INDICATOR LAMP CONNECTOR		17F			
MAIN	X39		LIGHTING HARNESS	11F				
MAIN	X40		IGNITION SAFETY/WHEEL ALIGNMENT/BRAKE FLUID JAR	9F				
MAIN	X41		OPTION AND CEILING LIGHT POWER SUPPLY	8F				
MAIN	X42		FUSE HOLDER PLATE		23F			
MAIN	X44		RELAYS / HYDR MVT CUT-OFF / TRANSMISSION CUT- OUT / EV		19F			
MAIN	X45		FUSE AND RELAY HOLDER PLATE POWER SUPPLY AND EARTH	7F				
MAIN	X46		HELLA K17 MINI RELAY HOLDER	11C				

Components						
Item	Designation	Position on diagram				Hydraulic correspondence
		1	2	3	4	
S19	HAND BRAKE SWITCH			27A		
S20	BRAKE PEDAL SWITCH			26A		
S22	REAR HYDRAULIC SELECTOR SWITCH				37B	
S23	JIB SUSPENSION SWITCH				39E	
S24	JIB POSITION SENSOR				37E	
S27	OVERRIDE SWITCH			33C		
S28	ATTACHMENT LOCKING SWITCH			32C		
S29	JIB ELECTRICAL CONNECTOR / JIB HEAD EV SWITCH			35C		
S30	TRANSMISSION CUT-OFF SWITCH			25B		
S31	WHEEL ALIGNMENT SWITCH			35C		
S32	REAR FOG LIGHT SWITCH		17B			
S33	MOVEMENT NEUTRALISATION SWITCH			31C		
S34	TELESCOPE RETRACTED POSITION SWITCH			31G		
S35	CLEANFIX SWITCH				39B	
S36	PUSH BUTTON + FORCED OPERATION INDICATOR LAMP			29G		
S41	5 FORWARD / 3 REVERSE GEAR SPEED LIMITATION SWITCH		22C			
S44	PNEUMATIC SEAT SWITCH			28B		
S46	DRIVER PRESENCE SWITCH			25D		
S50	EMERGENCY STOP BUTTON			26F		
S54	WORKING LIGHT ON JIB SWITCH				46C	
S115	ROOF-SIDE WINDSCREEN WIPER SWITCH				41C	
S139	FRONT AND REAR WORKING LIGHT SWITCH				43C	
V1	DIODE P600 J - REVERSING LIGHTS		14C			
V2	6A 300V DIODE - TUV	12G 13G				
V3	1A 1000V DIODE - AIR FILTER CLOGGING	8D				
V6	DIODE P600J 6A/600V - JIB SUSPENSION HARNESS				38D	
V7	DIODE P600J 6A/600V - JIB SUSPENSION HARNESS				39D	
V9	DIODE	10D				
Y5	CLEANFIX ELECTROVALVE				39A	
Y6	LSU PUMP ELECTROVALVE				42G 38F	
Y7	TILTING CUT-OFF ELECTROVALVE / VCI			32A		
Y10	JIB SUSPENSION ELECTROVALVE 1				37C	
Y11	JIB SUSPENSION ELECTROVALVE 2				37C	
Y12	HEAD JIB ELECTROVALVE			34A		
Y15	TELESCOPE EXTEND PROPORTIONAL ELECTROVALVE			31A		
Y16	TELESCOPE RETRACT PROPORTIONAL ELECTROVALVE			31A		
Y17	ATTACHMENT PLUS DIRECTION PROPORTIONAL ELECTROVALVE			30A		
Y18	ATTACHMENT MINUS DIRECTION PROPORTIONAL ELECTROVALVE			30A		

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POSITION OF COMPONENTS ON DIAGRAMSF9
POSITION OF FUSES AND RELAYS ON DIAGRAMSF15
POSITION OF SPLICES ON DIAGRAMSF16
ELECTRICAL DIAGRAMSF17

Components						
Item	Designation	Position on diagram				Hydraulic correspondence
		1	2	3	4	
H6	REAR RIGHT DIRECTION INDICATOR LIGHT		15A			
H7	FRONT RIGHT AND LEFT POSITION LIGHT	12A 13A				
H8	RIGHT AND LEFT DIPPED BEAM LIGHT	12A 13A				
H9	RIGHT AND LEFT MAIN BEAM LIGHT	12A 13A				
H10	FRONT RIGHT DIRECTION INDICATOR LIGHT	13A				
H11	FRONT LEFT DIRECTION INDICATOR LIGHT	12A				
H13	FRONT WHEEL ALIGNMENT LIGHT			35A		
H14	REAR WHEEL ALIGNMENT LIGHT			35A		
H15	CLOCK LIGHT	7A				
H20	PREHEAT		14E			
H21	ENGINE POLLUTION		14E			
H22	FAULT STOP ENGINE IMMEDIATELY		14E			
H23	STEERING FAULT		15E			
H24	TRANSMISSION FLUID PRESSURE		15E			
H25	TRANSMISSION FLUID TEMPERATURE		15E			
H26	BRAKE FLUID LEVEL		15E			
H27	PARKING BRAKE		16E			
H28	BATTERY CHARGE		16E			
H29	ENGINE FLUID PRESSURE		16E			
H30	ENGINE COOLANT TEMPERATURE		16E			
H31	AIR FILTER CLOGGING		16E			
H32	INDICATOR LIGHTS		17E			
H33	SIDE LIGHTS		17E			
H34	DIPPED BEAM HEADLIGHTS		17E			
H35	MAIN BEAM HEADLIGHTS		17E			
H36	FINTRONIC INDICATOR LAMP			25G		
K0	FAST SPEED RELAY		19G			
K1	NC TRANSMISSION CUT-OFF RELAY		20G			
K2	NO TRANSMISSION CUT-OFF RELAY		20G			
K3	REVERSE GEAR RELAY		21G			
K4	FORWARD GEAR RELAY		21G			
K5	MACHINE FAULT ALARM		17G			
K6	SLOW SPEED RELAY		22G			
K7	FREE		22G			
K8	ANTI-START RELAY		23G			
K9	FLASHING / WARNING UNIT		16G			
K10	JIB SUSPENSION CUT-OFF RELAY				38C	


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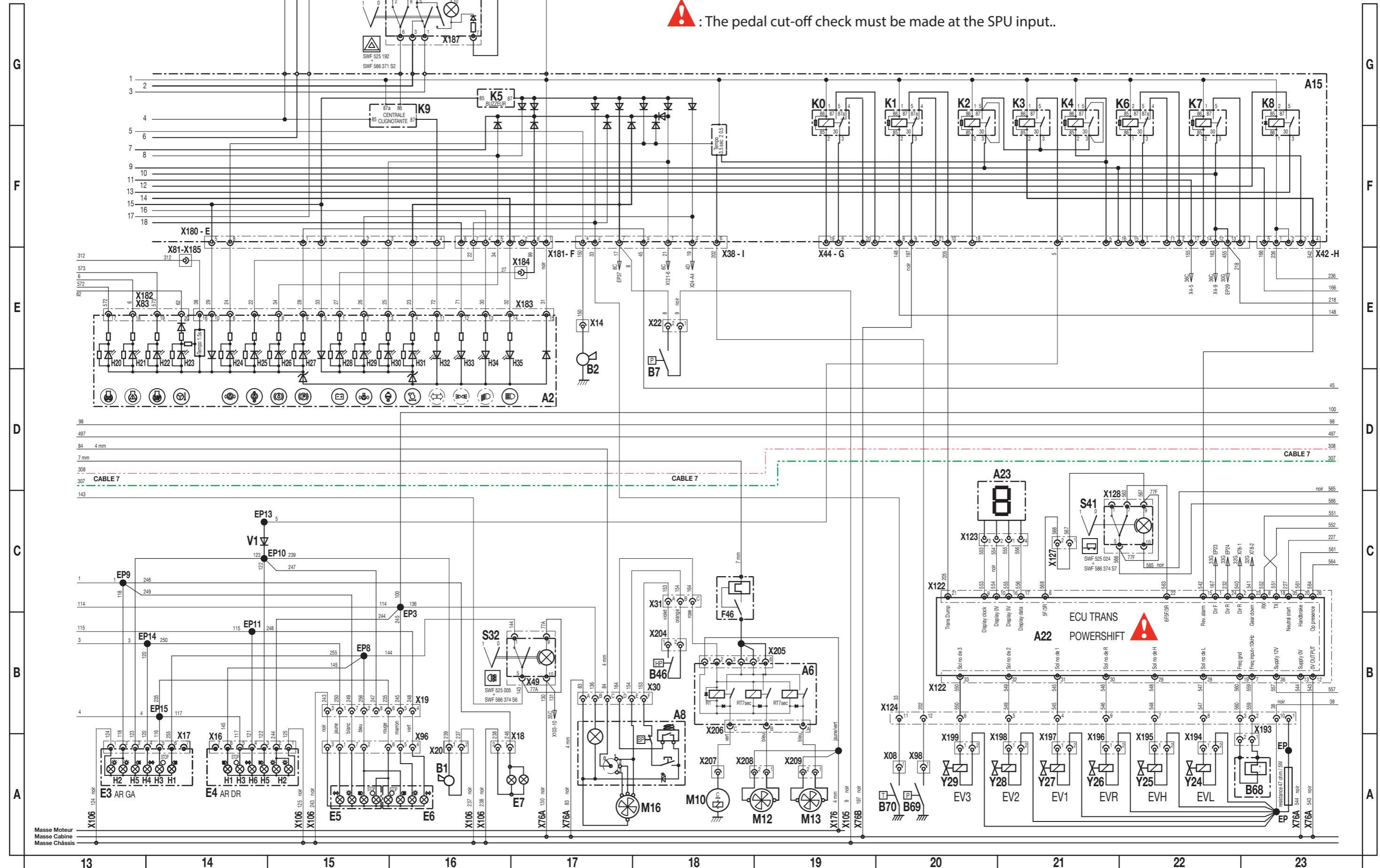
MLT 741 -120 LSU POWERSHIFT Série 6-E3

MLT-X735 -120 LSU POWERSHIFT Série 6-E3

POSITION OF COMPONENTS ON DIAGRAMS

Components						
Item	Designation	Position on diagram				Hydraulic correspondence
		1	2	3	4	
A1	ANTI-THEFT UNIT			26G		
A2	INSTRUMENT PANEL		17D			
A3	SPU MODULE			30F		
A4	LSU PROPORTIONAL PUMP ECU				36H 40H	
A5	LONGITUDINAL SAFETY MODULE (LLMI)			33B		
A6	AIR CONDITIONING MODULE		19B			
A7	CAR RADIO	6G				
A8	HEATING / VENTILATION PANEL		18B			
A9	CLEANFIX MODULE				38A	
A10	FINTRONIC ANTI-START UNIT			24G		
A11	FINTRONIC ANTENNA			25G		
A12	JSM (JOYSTICK SWITCH AND MOVE)			32G		
A13	DIGICODE			26G		
A14	MODCLÉ			27G		
A15	PLATE		23G			
A19	ENGINE ECM	4B				
A20	CANLINK MODULE	8C				
A22	POWERSHIFT TRANSMISSION MODULE		21B			
A23	PWS SPEED DISPLAY		21D			
BF1	PREHEAT POWER FUSE AND RELAY BOX	1D				
B1	REVERSING SOUND ALARM		16A			
B2	HORN		17E			
B4	WATER IN DIESEL SENSOR	2A				
B6	ENGINE AIR FILTER CLOGGING PRESSURE SWITCH	3A				
B7	HYDRAULIC FILTER CLOGGING PRESSURE SWITCH		18E			
B8	STEERING FAULT PRESSURE SWITCH	13B				
B9	FRONT WHEEL ALIGNMENT SENSOR				34B	
B10	REAR WHEEL ALIGNMENT SENSOR				35B	
B11	STOP SWITCH PRESSURE SWITCH	11A				
B12	REVERSE TILT / JIB SUSPENSION MVT DETECTION PRESSURE SWITCH				37D	
B13	LOWERING / JIB SUSPENSION MVT DETECTION PRESSURE SWITCH				37D	
B14	DUMPING / JIB SUSPENSION MVT DETECTION PRESSURE SWITCH				38D	
B15	AIR INTAKE PRESSURE SENSOR	4C				
B16	FUEL PRESSURE SENSOR	5C				
B17	ENGINE FLUID PRESSURE SENSOR	5C				
B18	COOLANT LIQUID TEMPERATURE SENSOR	4B				
B19	AIR INTAKE TEMPERATURE SENSOR	4A				
B20	STRAIN GAUGE			29A		

 : The pedal cut-off check must be made at the SPU input..



Connectors								
Wiring harness type	Item	Name component	Designation	Position on diagram				Hydraulic correspondence
				1	2	3	4	
OPT	X214		DIESEL DECONGELANT ATOFUSE HOLDER	2B				
OPT	X215		DIESEL DECONGELANT RELAY	2B				
OPT	X216		REAR HYDRAULIC SELECTOR SWITCH				37B	
OPT	X217		REAR HYDRAULIC CONTROL SWITCH				36B	
OPT	X218		SELECTOR EV				36A	
OPT	X219		REAR HYDRAULIC ELECTROVALVE 1				35A	
OPT	X220		REAR HYDRAULIC ELECTROVALVE 2				36A	
OPT	X221		REAR HYDRAULIC PROVISION STANDBY CONNECTOR				35C	
OPT	X222		JIB SUSPENSION SWITCH				39E	
OPT	X223		JIB SUSPENSION ELECTROVALVE 1				37C	
OPT	X224		JIB SUSPENSION ELECTROVALVE 2				37C	
OPT	X225		JIB SUSPENSION VALVE PRESSURE SWITCH				38D	
OPT	X226		JIB POSITION SENSOR				37E	
OPT	X227		JIB SUSPENSION CUT-OFF RELAY				38C	
OPT	X228		JIB SUSPENSION POWER SUPPLY RELAY				38C	
OPT	X229		NC T.S. REVERSE TILT MVT DETECTION PRESSURE SWITCH				37D	
OPT	X230		NC T.S. REVERSE TILT MVT DETECTION PRESSURE SWITCH				37D	
OPT	X231		NC JIB LOWERING MVT DETECTION PRESSURE SWITCH				37D	
OPT	X232		NC JIB LOWERING MVT DETECTION PRESSURE SWITCH				37D	
OPT	X233		NC T.S. DUMPING MVT DETECTION PRESSURE SWITCH				38D	
OPT	X234		NC T DUMPING MVTs DETECTION PRESSURE SWITCH				38D	
OPT	X235		ANTI-THEFT UNIT			25G		
OPT	X236		FINTRONIC ENGINE IMMOBILIZER			24G		
OPT	X238		PREHEAT ROD	1B				
OPT	X239		ANTI-THEFT UNIT			25G		
OPT	X240		FLUID COOLER WITH ELECTRIC FAN	9B				
ENGINE	ALT (W)		ALTERNATOR W	2C				
ENGINE	ALT EXIT (D+)		ALTERNATOR D+	2C				
ENGINE	ALT ALIM (B+)		ALTERNATOR B+	2C				

EARTHS

Item	DESIGNATION	Position on harness diagram				Comments	
		Assembly	Main	Control Valve			I.C. engine
				MT732 MT932	MT1030		
X76A	CAB LEFT-HAND EARTH		I5				
X76B	CAB LEFT-HAND EARTH		I5				
X105	CONTROL VALVE HARNESS EARTH CONNECTION		G28	O13	O13		
X106	EARTH		I40				
X107	CAB REAR EARTH / LSU COMPUTER EARTH CONNECTION		K27				
X168	ENGINE EARTH					K24	

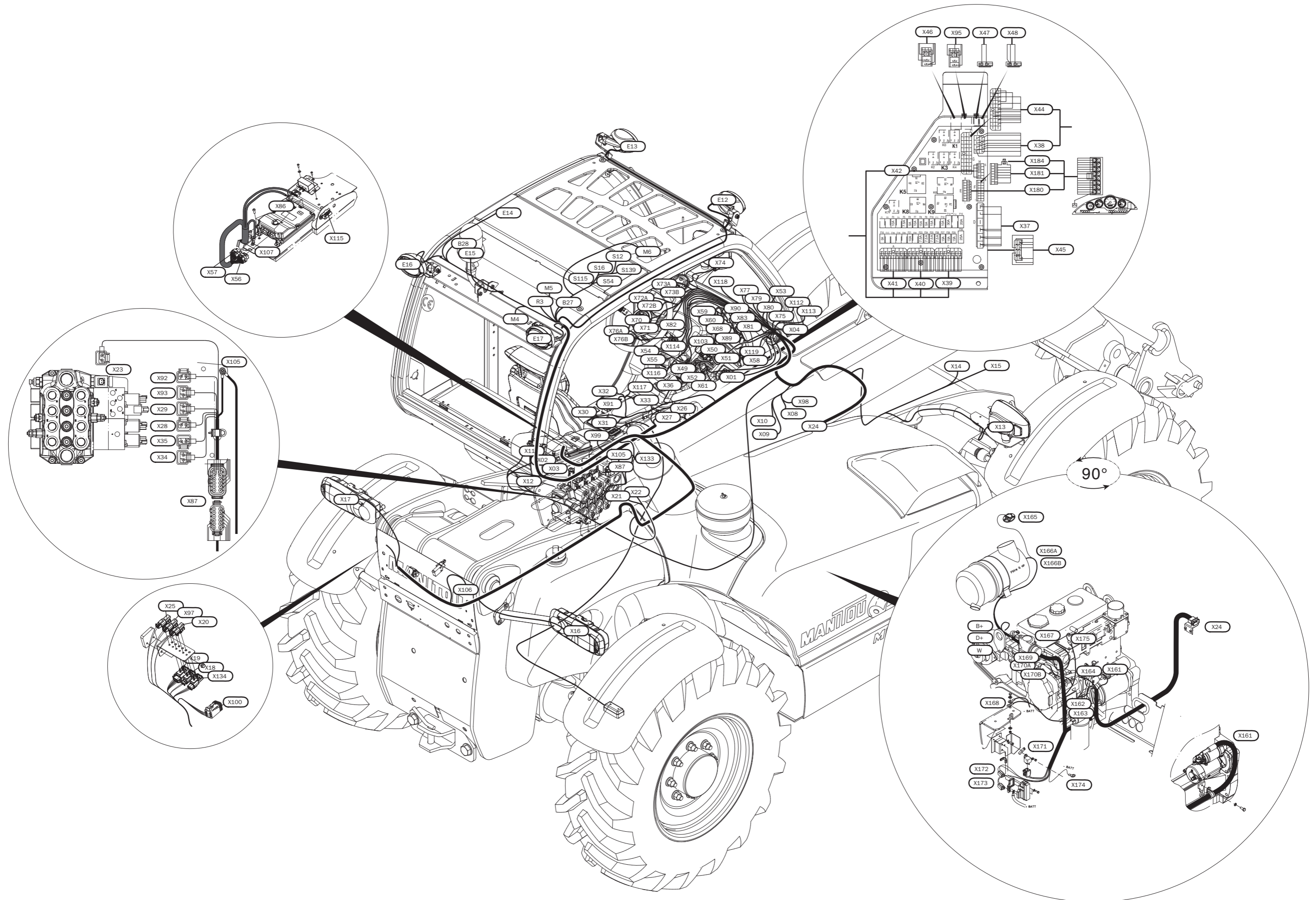
SPLICES

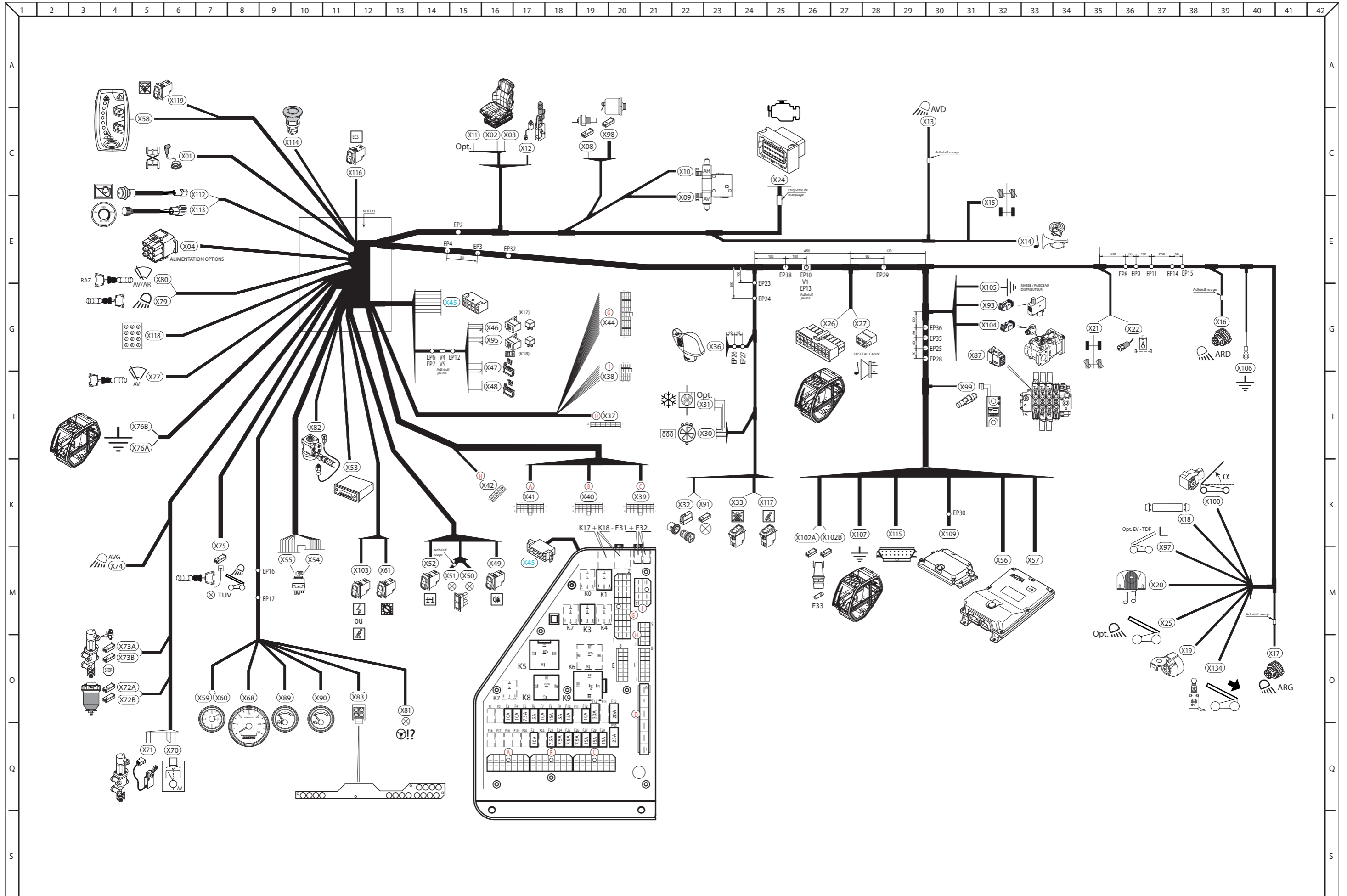
Item	DESIGNATION	Position on harness diagram				Comments	
		Assembly	Main	Control Valve			I.C. engine
				MT732 MT932	MT1030		
EP1						G27	
EP2			E15				
EP3			E16				
EP4			E15				
EP5			E24				
EP8			G35				
EP9			G35				
EP10			E24				
EP11			G36				
EP13			E24				
EP14			G37				
EP15			G37				
EP16			M9				
EP17			M9				
EP23			E17				
EP24			E16				
EP25			G30				
EP28			I30				
EP29			E28				
EP35			G30				
EP36			G30				
EP37				K21	I21		
EP38			E23				

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SPLICES

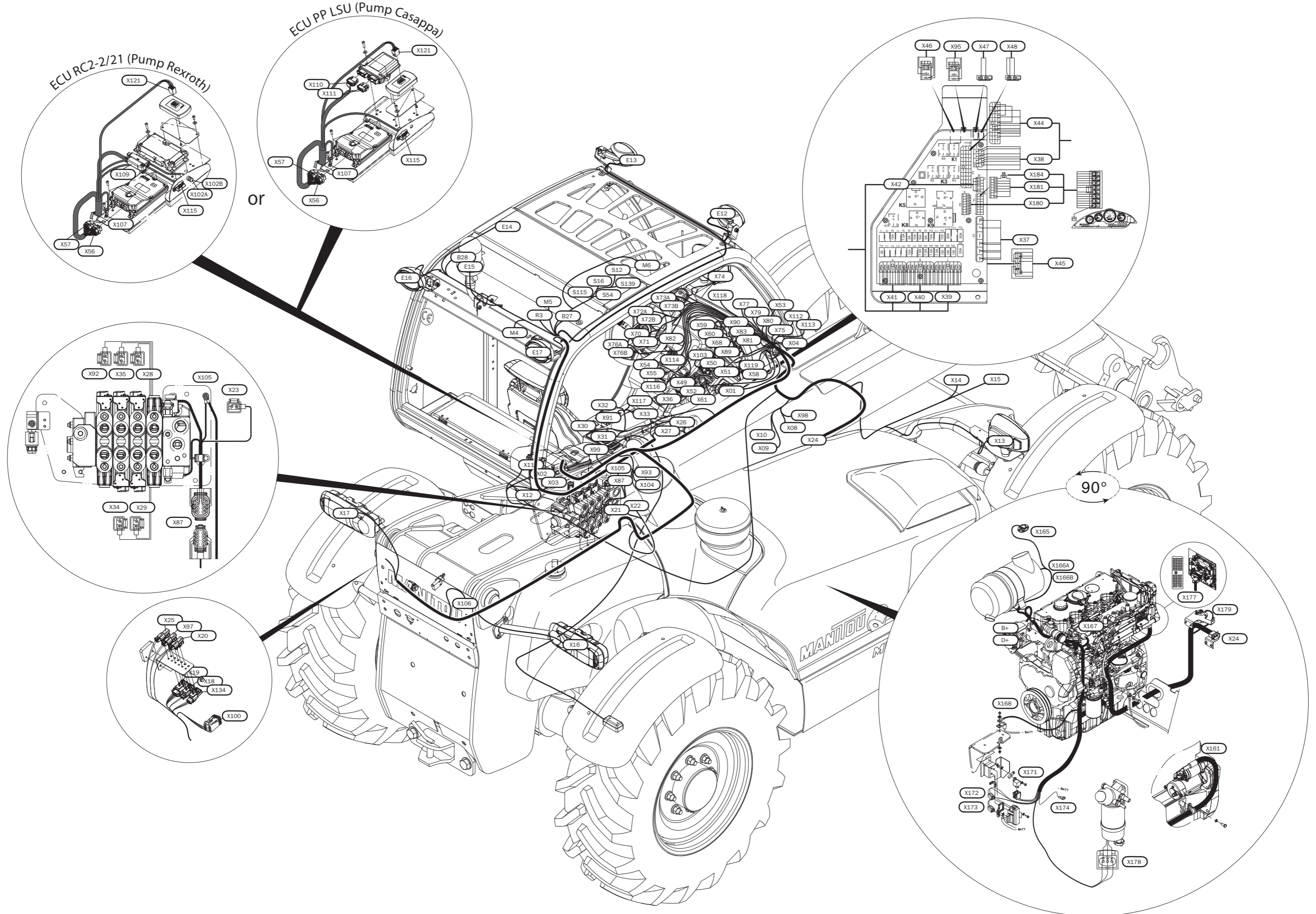
Item	DESIGNATION	Position on harness diagram				Comments
		Assembly	Main	Control Valve	I.C. engine	
EP2		K23	E15			
EP3		K23	E15			
EP4		K23	E14			
EP5			E26			
EP6		G27	G14			
EP7		G27	G14			
EP8		M11	E36			
EP9		M10	E36			
EP10		K20	E26			
EP11		M10	E37			
EP12		G27	G15			
EP13		K20	E26			
EP14		M9	E37			
EP15		M8	E38			
EP19		G27	G14			
EP20		G27	G14			
EP21		I13	K33			
EP23		I22	G24			
EP24		I21	G24			
EP25		K16	G29			
EP26		I21	G23			
EP27		I20	G24			
EP28		K16	G29			
EP29		K18	E28			
EP30		I14	K29			
EP33		I14	K27			
EP34		K14	I29			
EP35		K17	G29			
EP36		K17	G29			
EP37		K14	I29			
EP38		K21	E25			
EP42		O20			G20	
EP43		O20			G19	
EP44		M20			G17	
EP45		M20			G17	
EP46		Q21			I24	
EP47					I27	
EP48		O21			G24	

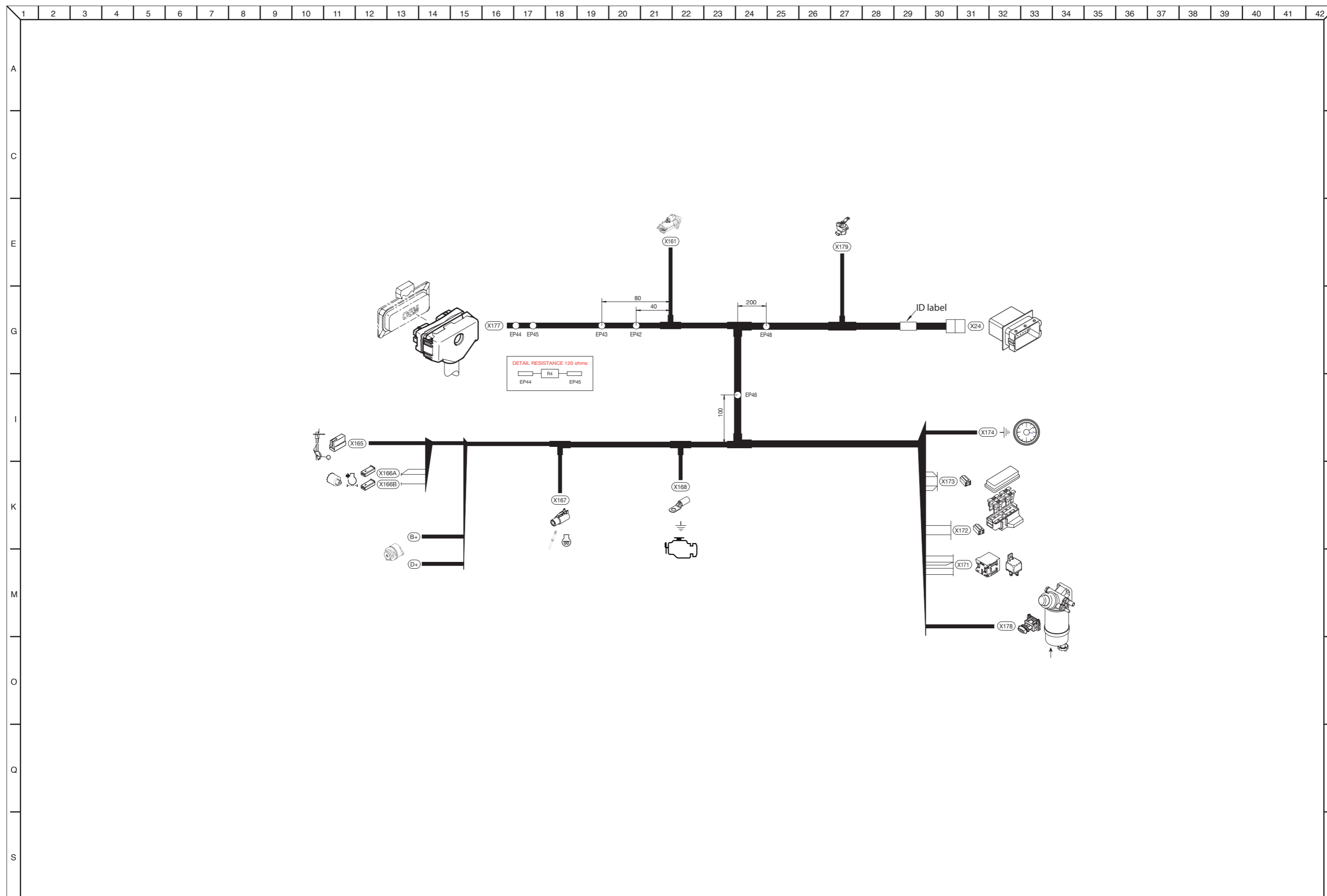
Item	DESIGNATION	Position on harness diagram				Comments
		Assembly	Main	Control Valve	I.C. engine	
X53	CAR RADIO LOUDSPEAKER OUTPUT CONNECTOR	I26	K11			
X54	IGNITION SWITCH CONNECTOR	G23	M10			
X55	IGNITION SWITCH CONNECTOR	G23	M9			
X56	SPU CN1-A	I13	M31			
X57	SPU CN1-B	I14	M32			
X58	LLMI SAFETY MODULE POWER SUPPLY	I24	C5			
X59	CLOCK POWER SUPPLY CONNECTOR	G25	O7			
X60	CLOCK POWER SUPPLY CONNECTOR	G25	O7			
X61	TRANSMISSION CUT-OFF SHUNT SWITCH / BRAKE PEDAL	I25	M12			
X68	HOUR METER REV COUNTER MODULE	G25	O8			
X70	FRONT WINDSCREEN WASHER PUMP CONNECTOR	E24	Q6			
X71	TRANSMISSION CUT-OFF ON BRAKE PEDAL	E24	Q5			
X72A	BRAKE FLUID TANK	E25	O4			
X72B	BRAKE FLUID TANK	E26	O4			
X73A	STOP SWITCH	E25	O4			
X73B	STOP SWITCH	E25	O4			
X74	FRONT LEFT LIGHT CONNECTOR	E28	M4			
X75	TUV SIDELIGHT CONTROL BY WORKING LIGHT ON JIB	I26	K7			
X77	FRONT EG CONNECTOR	G26	I5			
X78	JSM PS	I20	G23			
X79	STALK SWITCH CONNECTOR	G26	G5			
X80	FRONT AND REAR WINDSCREEN WIPER RESET CONNECTOR	I26	E5			
X81	STEERING FAULT INDICATOR LAMP	G25	O13			
X82	STEERING FAULT PRESSURE SWITCH	G24	I10			
X83	DASHBOARD PREHEAT INDICATOR LAMPS STOP WARNING	G25	O12			
X87	CONTROL VALVE WIRING	K16	G31	K14		
X89	WATER TEMPERATURE MODULE	G25	O9			
X90	FUEL LEVEL MODULE	G25	O10			
X91	CIGARETTE LIGHTER LIGHT / COMMON EARTH WITH CORP AC	I19	K22			
X92	PROPORTIONAL EV ON JIB LOWERING	K13		O24		
X93	TILTING CUT-OFF VALVE (VCI) CONNECTOR	K17	G31			
X97	JIB HEAD ELECTRICAL PROVISION OR JIB HEAD EV	I4	M37			
X99	VISHAY GAUGE CONNECTOR	I15	I31			
X100	EN15000 ANGLE CONNECTOR	K3	K39			
X102A	FUSE HOLDER POWER SUPPLY BY 30 THK	G14	Q34			
X102B	1A FUSE HOLDER FOR MICROPHONE RC2-20 POWER SUPPLY	G14	Q34			
X103	JIB HEAD ELECTRICAL CONNECTOR SWITCH	I25	M12			
X104	LSU PUMP	K17	G31			
X109	LSU CONNECTOR / REXTROTH	G15	S32			
X110	GREY CASAPPA LSU ECU / A	I15	Q26 Q31 O29			
X111	BLACK CASAPPA LSU ECU / B	I16	Q27 Q32 O29			
X112	FORCED OPERATION PUSH BUTTON CONNECTOR	I25	C7			
X113	FORCED OPERATION POTENTIOMETER CONNECTOR	I26	E7			
X114	EMERGENCY STOP	G24	C10			
X115	OBD II DIAG CONNECTOR	I14	K27			

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RECORDING MINIMUM GAUGE STRAIN:STAGE
5

- Activate the «PARACHUTE» switch to enable hydraulic movements.



The boom must be below 4°.

- Extend the boom until the rear wheels leave the ground. Wait several seconds for the machine to stabilize.
- Press the «TEST» button (short press) to record stage 5.



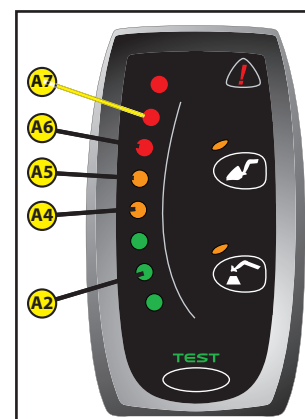
When this calibration is complete:

- **check that movement cut-offs work correctly.**

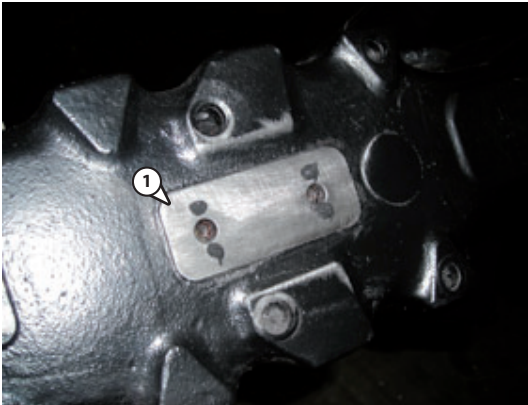
(MT)

- Si les cinq leds (A2, A4, A5, A6 et A7) s'allument sur l'afficheur «LLMI», cela indique que la valve VRD présente un défaut de fonctionnement et qu'il est nécessaire de la remplacer.

If the ives leds (A2, A4, A5, A6 and A7) ignites on the indicator « LLMI », it indicates that the valve VRD presents a defect of functioning and that it is necessary to replace.



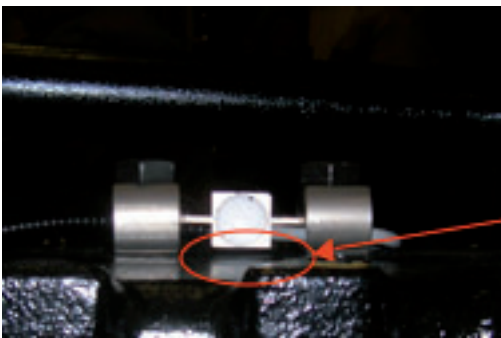
1st stage:



Using a gun, apply the two-part mixture to the axle by placing 4 «balls» of glue as shown opposite (Item 1).

⚠ Wear a mask and gloves when applying this product.

2nd stage:



Insert two M10x30 bolts into the strain gauge, then place the assembly on the axle.

Take care to keep the central part of the gauge free of glue.

Zone with no trace
of glue

3rd stage:

The 2 M10 bolts should be tightened progressively and in the following way:

- Torque bolt No. 1 to 34 N.m
- Torque bolt No. 2 to 34 N.m
- Torque bolt No. 1 to nominal torque $67 \text{ N.m} \pm 5\%$
- Torque bolt No. 2 to nominal torque $67 \text{ N.m} \pm 5\%$



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