CHARACTERISTICS AND FLUIDS

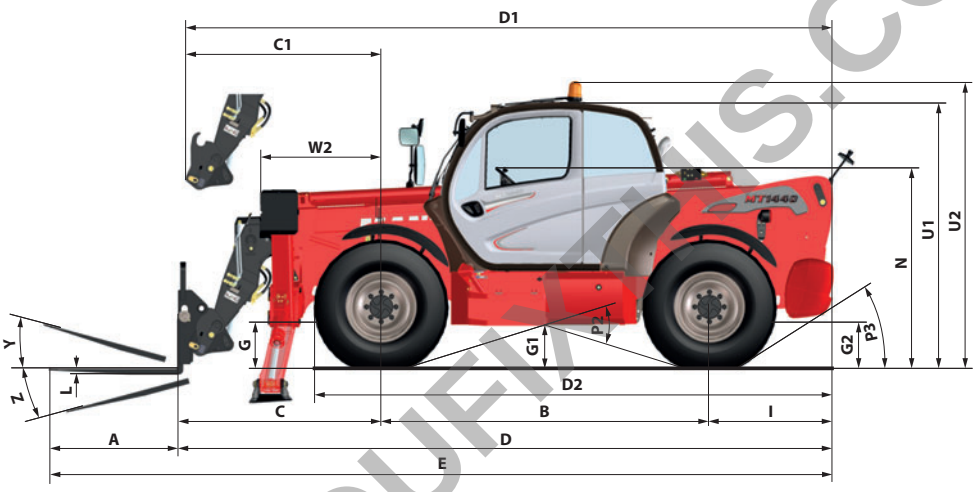
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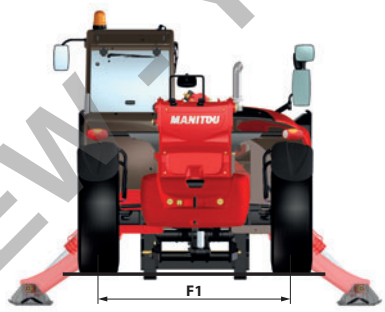
Designation		Value
Truck weight with forks		10855 kg
Boom weight		2500 kg
Ground distribution per axle with forks	Front (MLT)	5305 kg
	Rear (MLT)	5550 kg
Pulling force		7450 daN

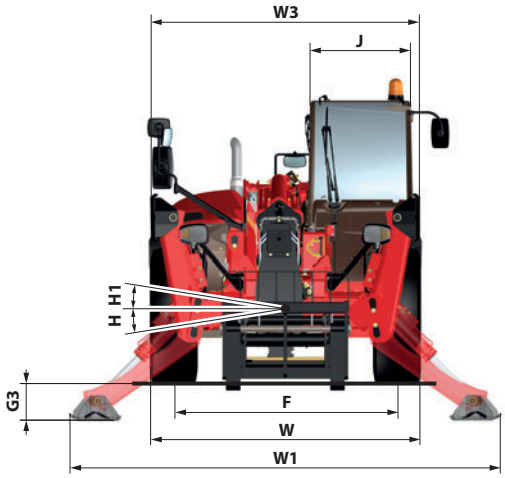
Designation	Type	Quantity
Fuel tank	EN590/ASTM D975	140 ℓ
Engine oil	MANITOU GOLD	7,5 ℓ
Cooling system	Cooling liquid (protection -35°)	17 ℓ
Gear box	MANITOU Automatic transmission oil	21,1 ℓ
Hydraulic tank	MANITOU ISO VG 46 Hydraulic oil	135 ℓ
Brake system	MANITOU Mineral brake fluid	1 ℓ
Air-conditioning system	R134A gas	950 g ±50
Axle differential	Special MANITOU oil for immersed brakes	7,2 ℓ
Wheel reduction gear	MANITOU SAE80W90 Mechanical transmission oil	0,75 ℓ

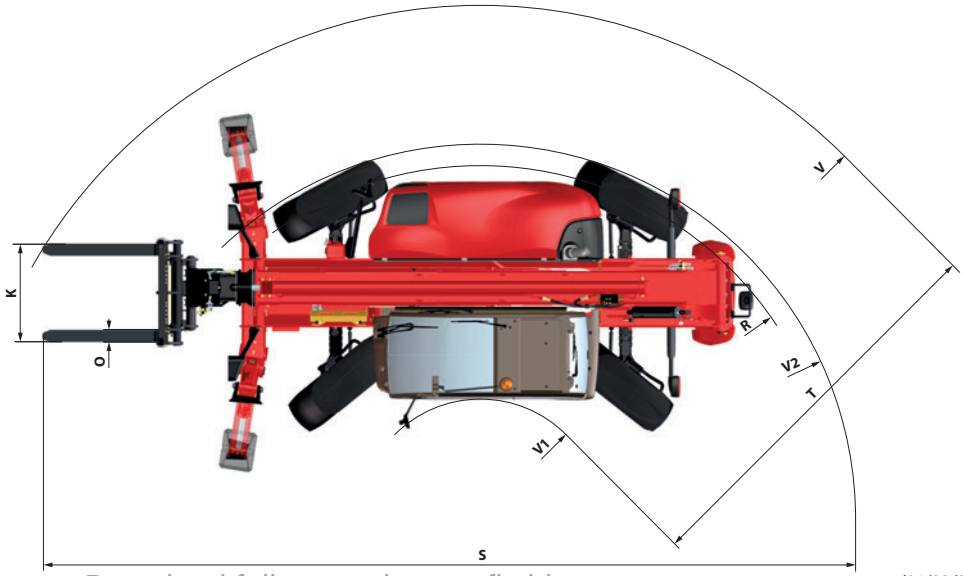
DIMENSIONS

Part No.	Value	
A	mm	1200
B	mm	3070
C	mm	1905
C1	mm	1790
D	mm	6135
D1	mm	6020
D2	mm	4859
E	mm	7335
F	mm	1960
F1	mm	1960
G	mm	384
G1	mm	367
G2	mm	380
G3	mm	355
H	°	9
H1	°	9
I	mm	1160
J	mm	892
K	mm	1040
L	mm	50
N	mm	1855
O	mm	125
P2	°	34
P3	°	33
R	mm	3779
S	mm	8626
T	mm	4183
U1	mm	2452
U2	mm	2640
V	mm	5468
V1	mm	1285
V2	mm	3986
W	mm	2374
W1	mm	3793
W2	mm	1134
W3	mm	2422
Y	°	12
Z	°	114





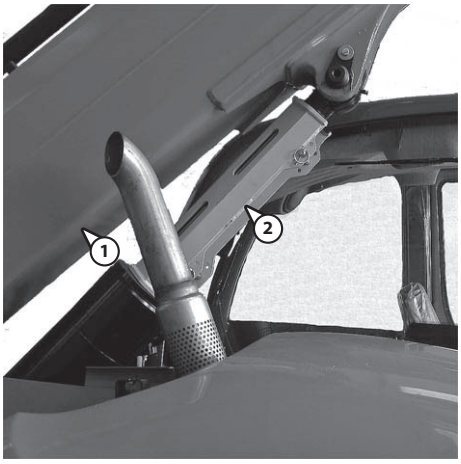




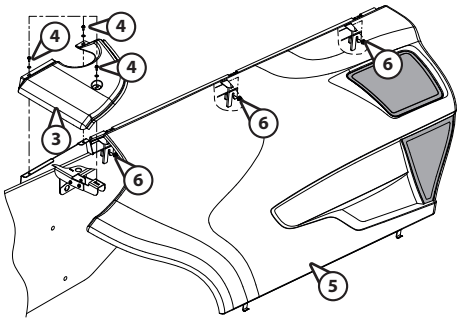
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A – STARTER MOTOR REMOVAL

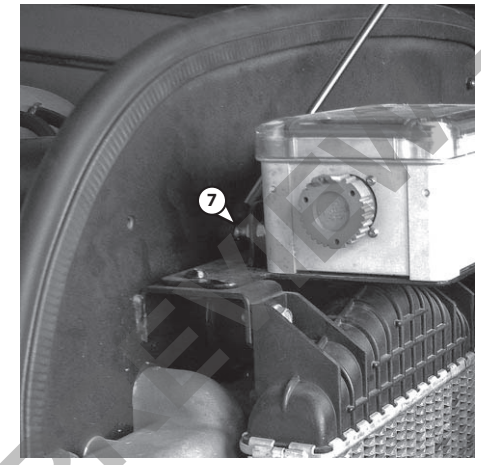


Lift the boom (Item 1) and install the safety device (Item 2).

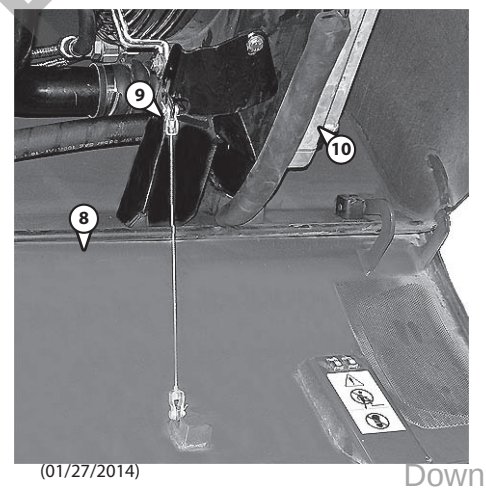


Remove the fixed cover (Item 3), unscrew the three screws (Item 4) 10 mm wrench.

Remove the engine cover (Item 5) and loosen the three screws (Item 6), with a 15 mm wrench.



Unclip the bottom of the engine bonnet strut (Item 7).



Remove the removable box (Item 8).

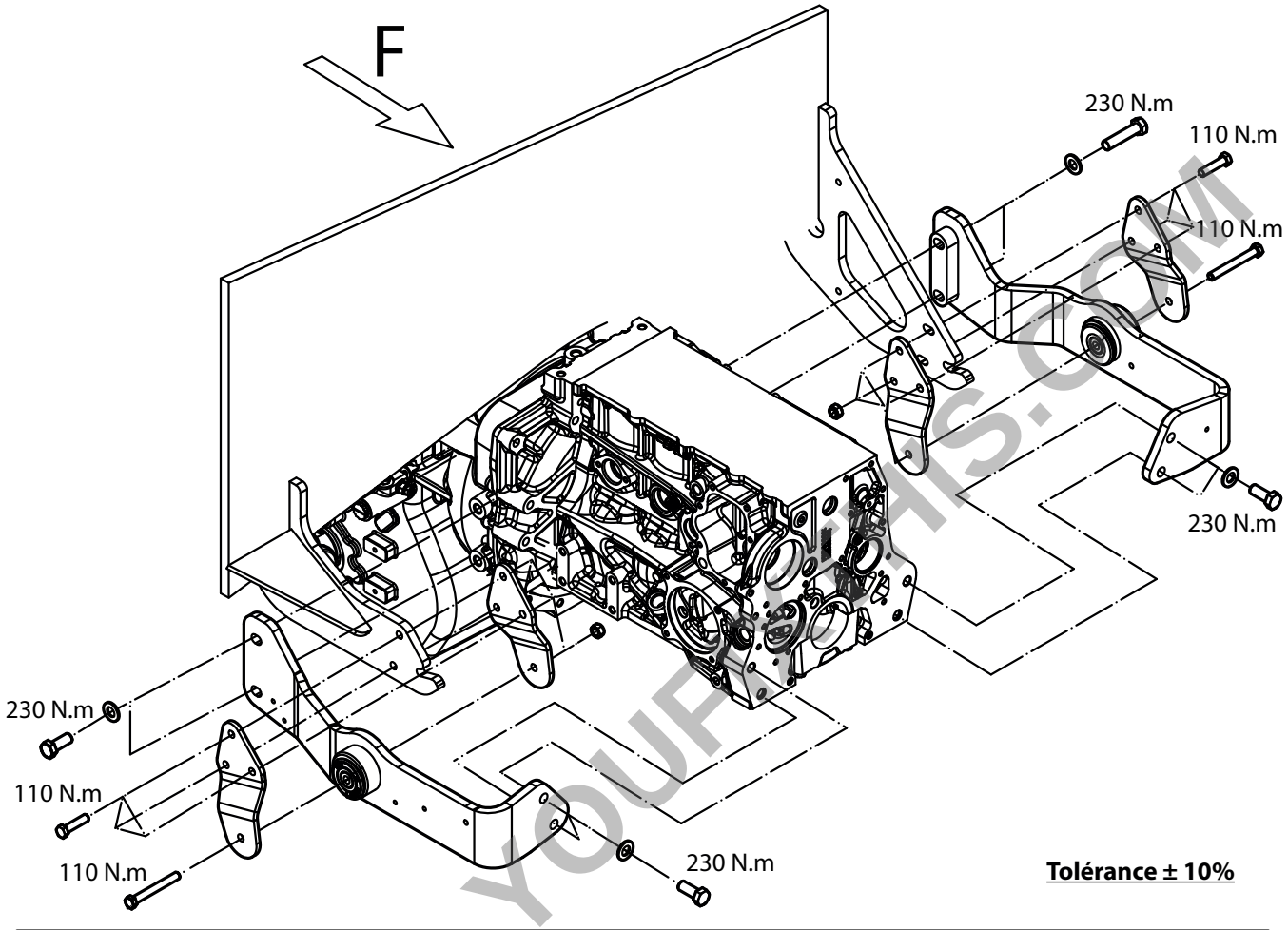
Release the cable (Item 9) connecting the removable box to the radiator (Item 10).

Then move the removable casing towards the front of the vehicle.

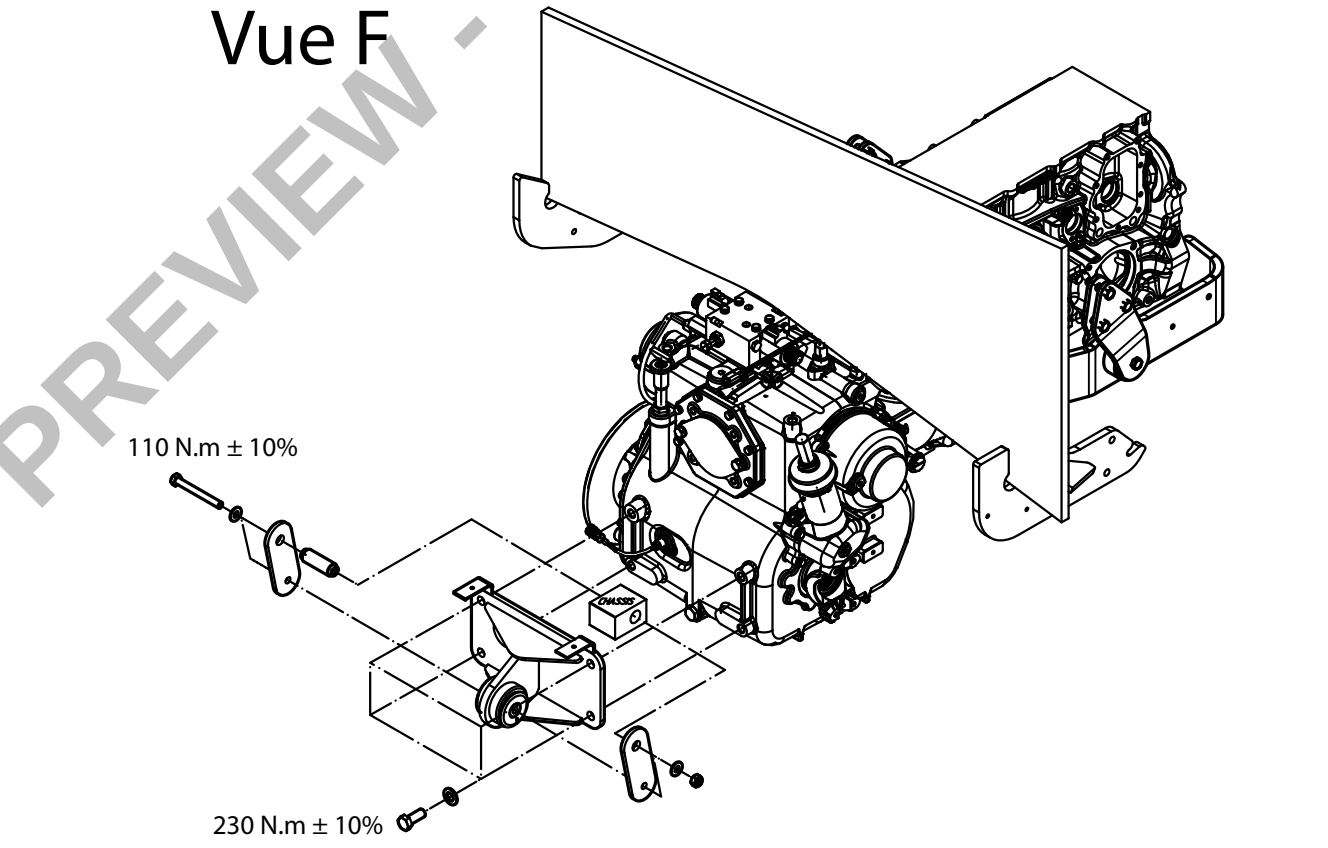
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ENGINE TIGHTENING TORQUES



Tolérance ± 10%



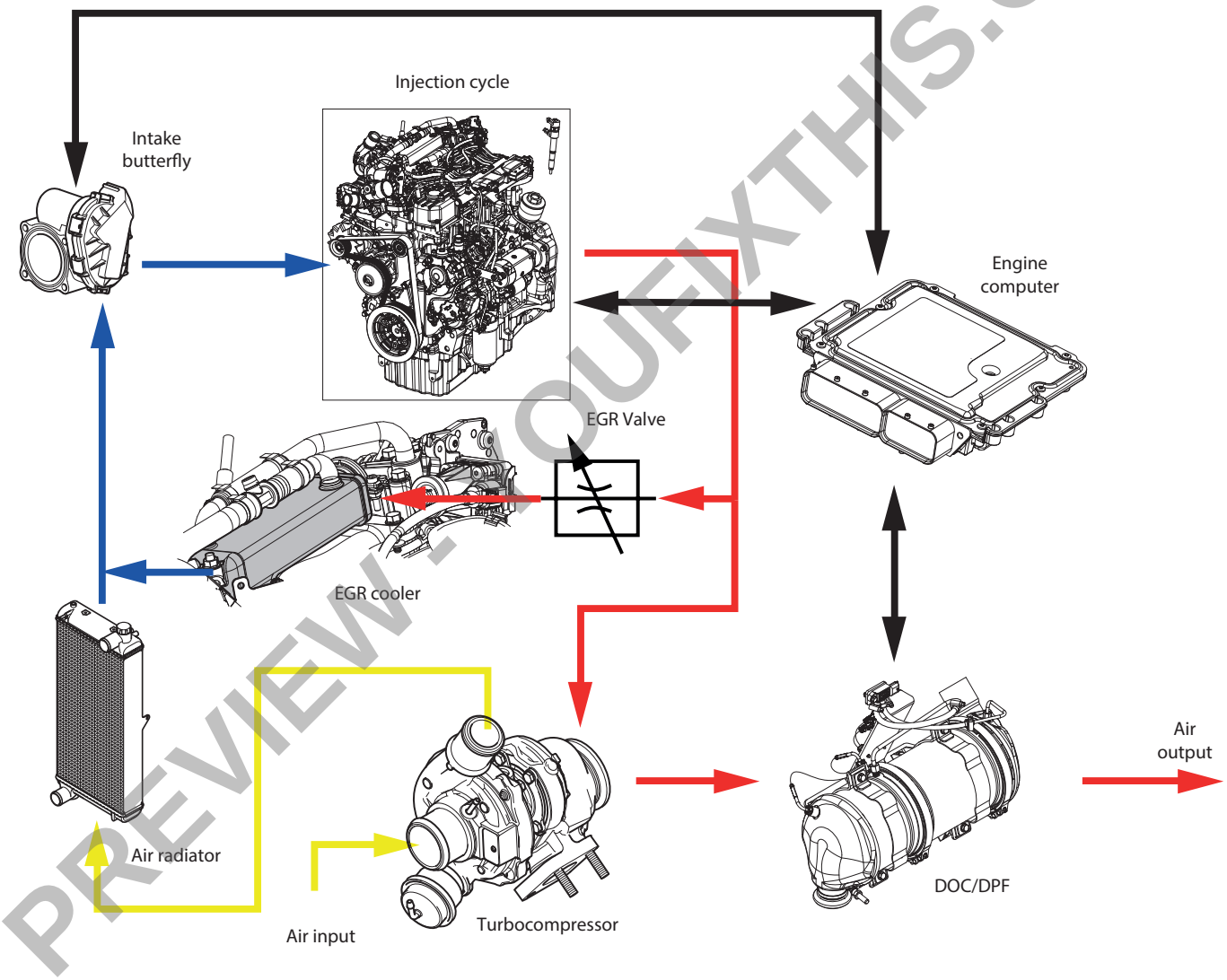
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ENGINE CHARACTERISTICS

⇒ 4 online cylinders
⇒ Electronic management
⇒ Direct injection
⇒ Compression ratio: 17.0
⇒ Dry engine weight: 270 kg

PERKINS ENGINE OVERVIEW



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Key:

- Cooled air circuit
- Air intake circuit
- Exhaust gas circuit
- Interaction between components

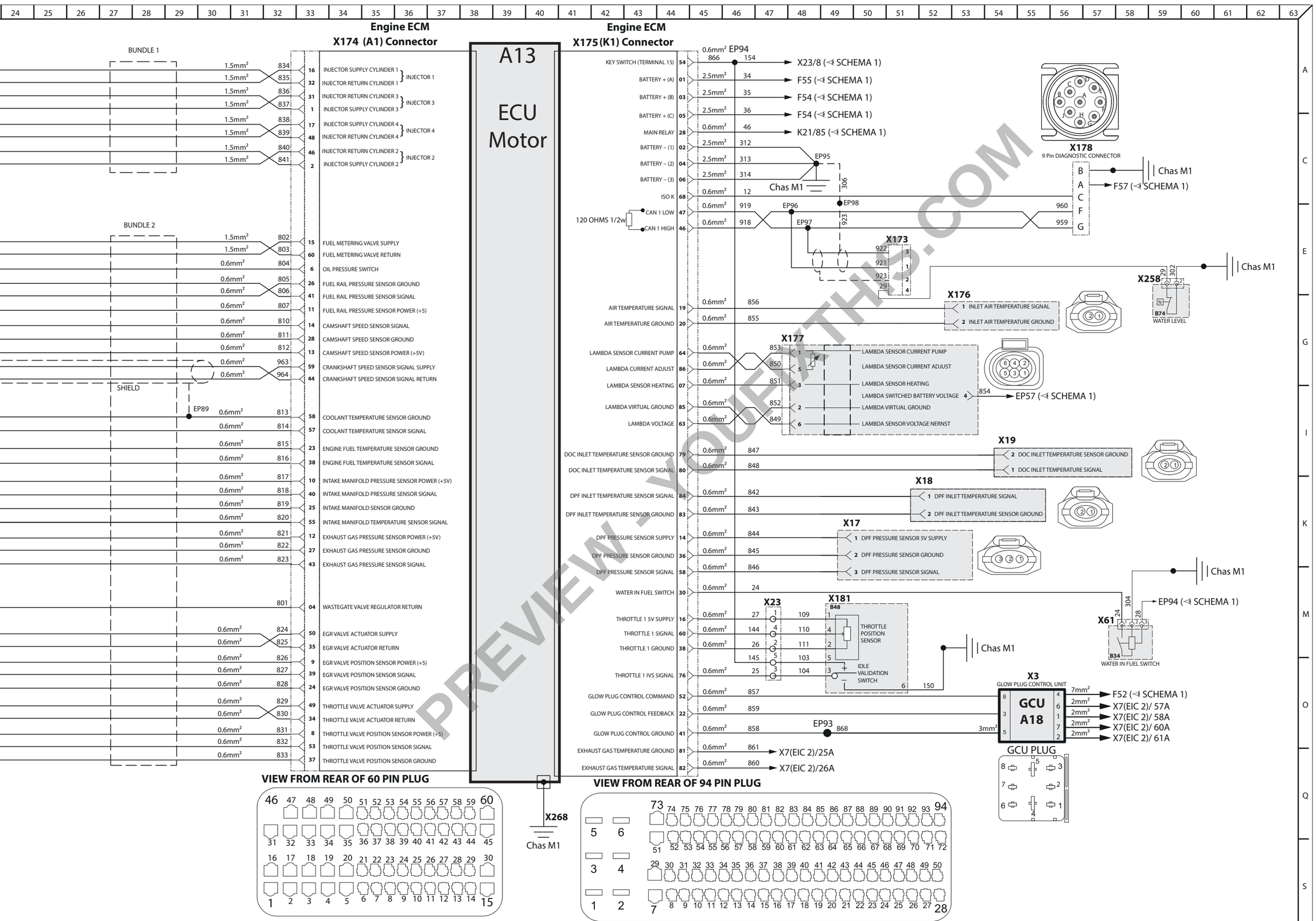
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KEY

Part No.	Designation	Position on diagram				Characteristics (Options)
		MT 1440	MT 1840	MT 1440 A	MT 1840 A	
AC	ACCUMULATOR	I3/M3		I3/M3/K32/I32		
AC(O)	ACCUMULATOR	Q1		M1		STOP&GO OPTION
AD	DECOMPRESSION ACCUMULATOR			Q38		
BA	FEED BLOCK + ACCUMULATOR	K1		I2		
BE	SEALING PLUG	S17		S6		
BFSG(O)	STOP&GO FUNCTION BLOCK	Q4		M4		STOP&GO OPTION
BR	BREATHER CAP	Q16		Q5		
CA	SUCTION STRAINER	S11		S11		
CAR	NON-RETURN VALVE	I17/I32		S22/O11/K22/O22		
CPD	DOUBLE COUNTERBALANCE VALVE	K36/K41/M39		K34/I39/K40		
CSD	DOUBLE SAFETY VALVE	K19		E20		
CSP	PILOT SAFETY VALVE	I19/E30/ K35	E30/K25	I25/I18/ C19	I25/I18	
D1	DISTRIBUTOR	Q21		O25		
EE	*- MAIN INLET ELEMENT*	S38		S26		
EE2	*- INLET ELEMENT 2*	S21				
ET	*- TELESCOPING ELEMENT*			S28		
ET1	*- TELESCOPING ELEMENT 1*	S27				
ET2	*- TELESCOPING ELEMENT 2*	S24				
EA	*- ATTACHMENT ELEMENT*	S28		S34		
EL	*- LIFTING ELEMENT*	S31		S29		
EI	*- TILTING ELEMENT*	S30		S31		
ECD	*- SLOPE CORRECTOR ELEMENT*	S36				
Esd	*- RIGHT STABILIZER ELEMENT*	S35				
Esg	*- LEFT STABILIZER ELEMENT*	S33				
ES	*- OUTLET ELEMENT*	S25		S33		
D2	SLOPE COMPENSATION DISTRIBUTOR, RIGHT AND LEFT STABILIZER			K35		
D3	3-POSITION STEERING DISTRIBUTOR	C10		A11		
	- POSITION 1: SHORT STEERING					
	- POSITION 2: FRONT WHEEL STEERING					
	- POSITION 3: CRAB POSITION					
DBE	AXLE LOCKING VALVE			G12		
DH(O)	HYDRAULIC STARTER	Q6		O6		STOP&GO OPTION
EVAA(O)	REAR ATTACHMENT ELECTROVALVE	E27		E35		OPTION
EVTF(O)	BOOM HEAD ELECTROVALVE	E24		E30		OPTION
F	FILTER	S6		Q6/Q38/G13		
FDar	REAR BRAKE DISC	E16		C16		
FDav	FRONT DISC BRAKE	E2		C3		
FP	NEGATIVE BRAKE	G5		E5		With clogging indicator
FR	RETURN FILTER	Q14		O12		With clogging indicator
GEP(O)	ELECTRICALLY DRIVEN PUMP	S6		Q6		STOP&GO OPTION
M	I.C. ENGINE	Q6/Q12		O6/Q12		
	- IDLE SPEED					850 rpm (+/- 10)
	- NOMINAL SPEED LOADED					2200 rpm
	- MAX RPM UNLADEN					2350 rpm
MC	MASTER CYLINDER	C7		C7		
MR	COOLER MOTOR	K11		Q17		

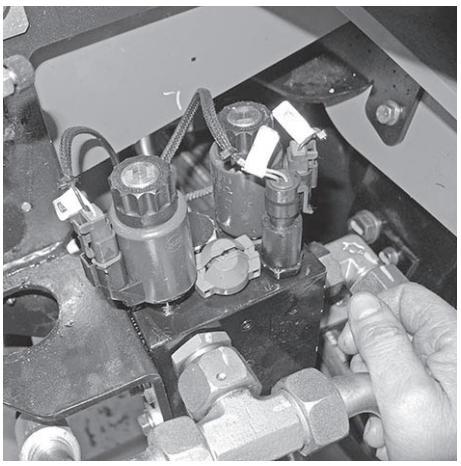
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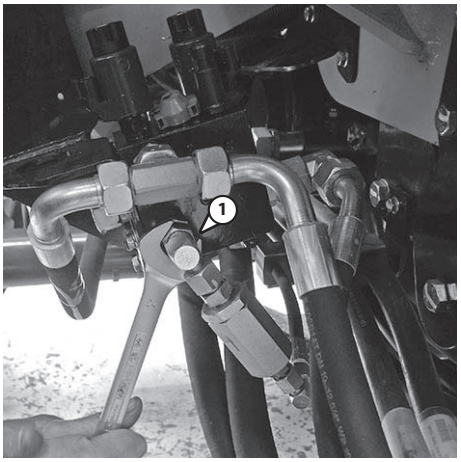
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HYDRAULIC BLOCK REMOVAL

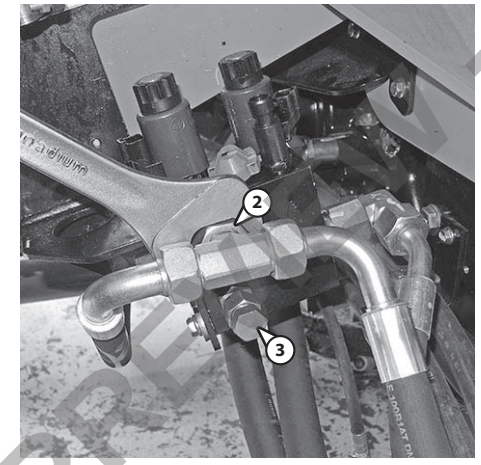
Remove the hydraulic accumulator.
◁ Section – HYDRAULIC ACCUMULATOR REMOVAL

Disconnect the electric wires marking them.



Disconnect the pressure hose (Item 1)

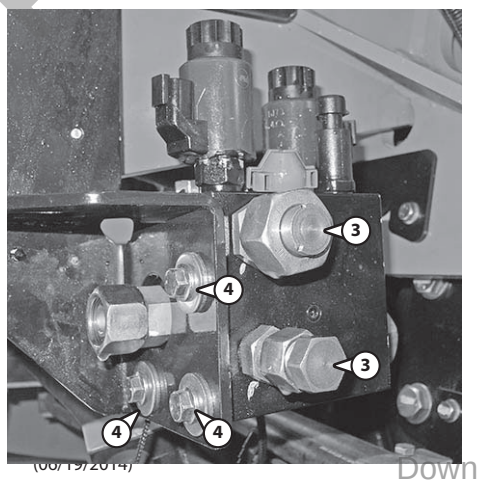
Disconnect the return hoses (Item 2)

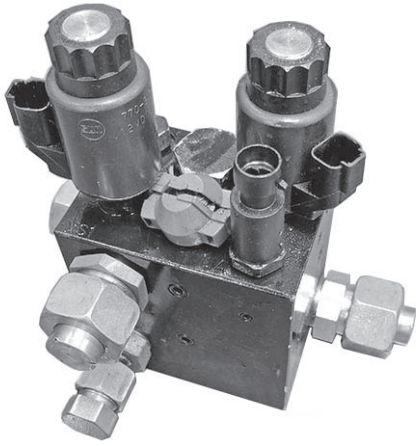


Block released, orifices blocked by plugs (Item 3) to prevent any intrusion of dust.

Unscrew the 3 screws (Item 4) and take of the hydraulic block unit.

For refitting perform the operations in revers order, while applying the tightening torques.





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Contents

GENERAL INSTRUCTIONS AND SAFETY NOTICE
Group 00 General characteristics and safety 1-1

ENGINE
Group 10 Engine 2-1

OPTIONS - ACCESSORIES
Group 110 Options - Attachments 3-1

TRANSMISSION
Group 20 Transmission 4-1

AXLE ASSEMBLY - AXLE
GROUPE 30 Axle 5-1

BRAKE
GROUP 40 Brake 6-1

TELESCOPIC BOOM
Group 50 Boom 7-1

HYDRAULIC
Group 70 Hydraulic 8-1

ELECTRICITY
Group 80 Electricity 9-1

DRIVER CAB
Group 85 Driver's cab 10-1

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PREAMBLE

This chapter deals with the general instructions and safety notice during inspection and maintenance work.
Other instructions and warnings are indicated in each chapter concerned.

In order to reduce accident risks, make sure to:

- Follow the instructions in the truck operating and maintenance manual.
  ⇒ This manual should be found in all trucks.
- Please follow all safety instructions.
- Use the appropriate tools for any work to be performed.
- Use original Manitou spare parts.

Any non-compliance increases the risk of accidents occurring which may lead to causing grievous bodily harm and even death.

An efficient, dependable and profitable combination will be formed if the operator follows the safety manual correctly and the machine is serviced properly.

When you see this symbol:



It means: Warning! Be careful! Your safety, somebody else's or the safety of the lift truck itself is at risk.

The manufacturer cannot predict all possible risky situations. Consequently, the safety instructions given in the safety manual are not exhaustive.
At any time, as an operator, you must envisage, within reason, the possible risk to yourself, to others or to the lift truck itself when you repair, service or drive it.

Manitou cannot be held responsible for the use of any lifting devices, tools or operating methods other than those specified.

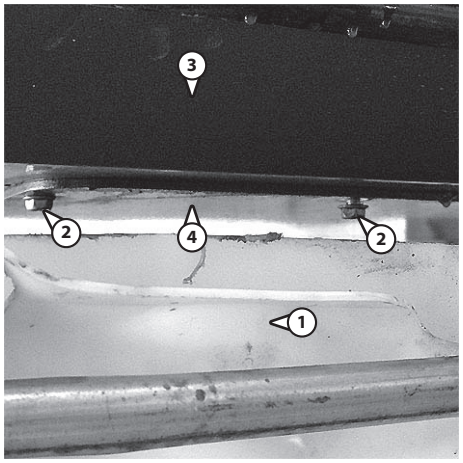
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- *GENERAL INSTRUCTIONS AND SAFETY NOTICE*
- *GENERAL CHARACTERISTICS AND SPECIFICATIONS*
- *GENERAL LOCATION*
- *GENERAL CONTROL AND ADJUSTMENT*

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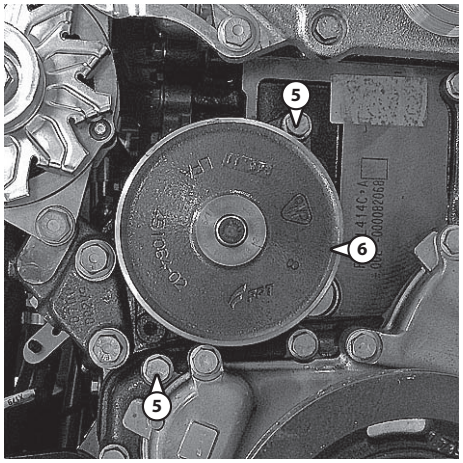
G – WATER PUMP REMOVAL

Perform the belt removal.

◁ § E – TIMING BELT REMOVAL

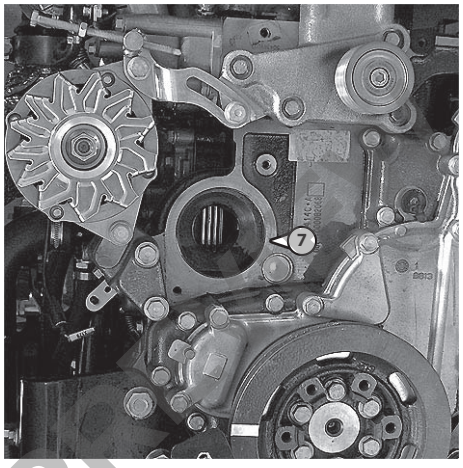
Place a collection container (Item 1)

Unscrew the protective casing (Item 3) screws (Item 2) under the engine housing (Item 4), 13 mm wrench.



Unscrew the two screws (Item 5) holding the pump (Item 6), 13 mm wrench.

Remove the pump.



Refit

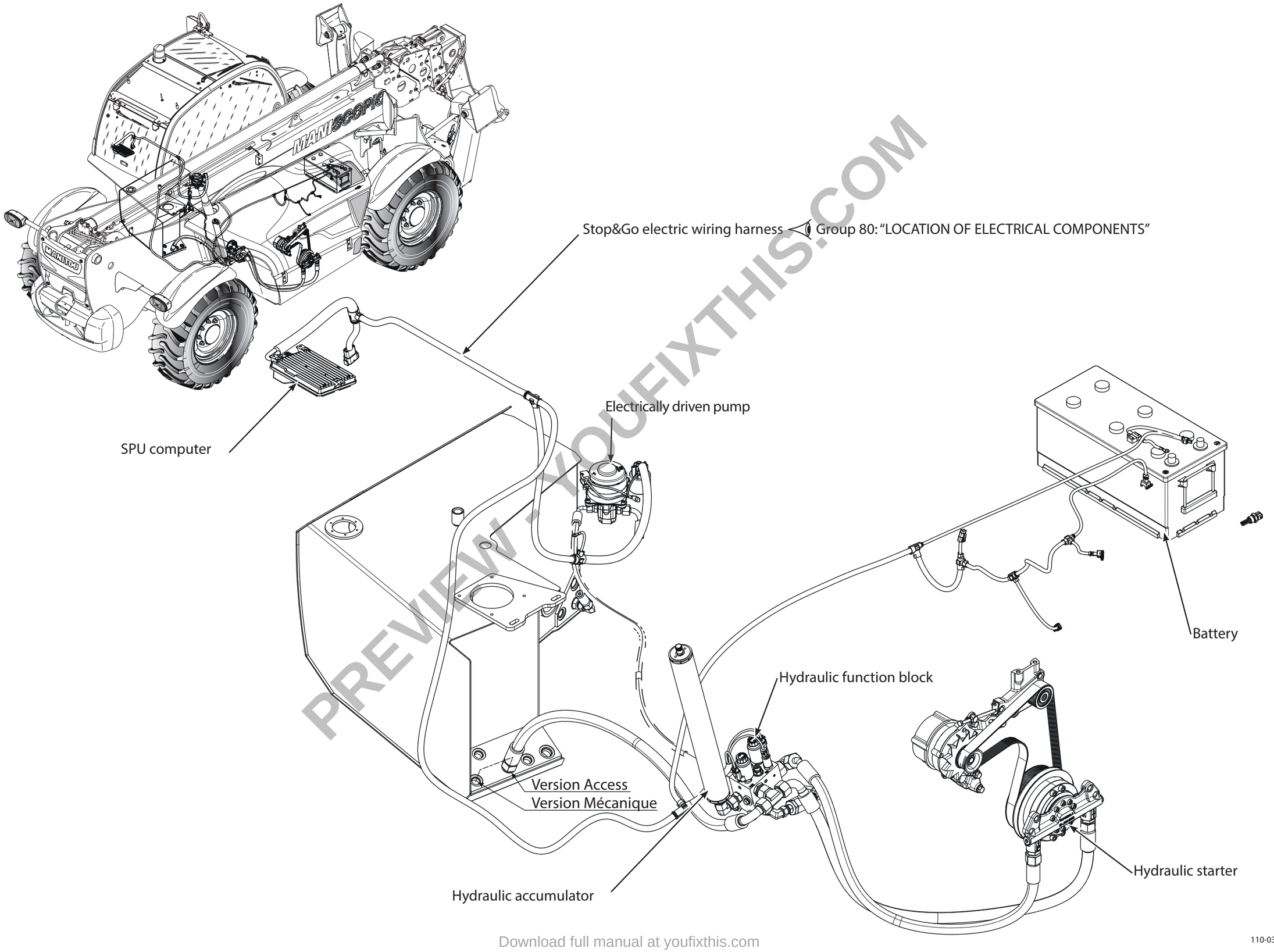
Check that there is not too much dirt on the contact surface (Item 7).

Then follow the removal operations in the opposite order, while applying the tightening torques.

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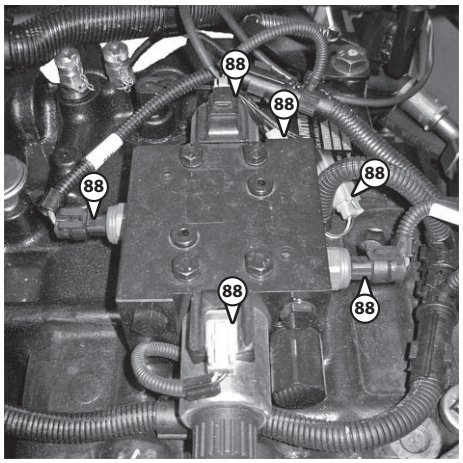
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INSTALLATION ON TRUCK

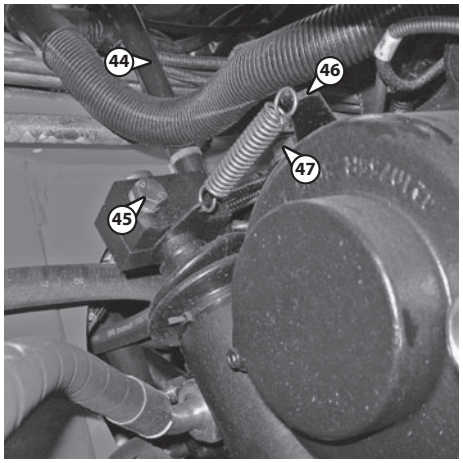


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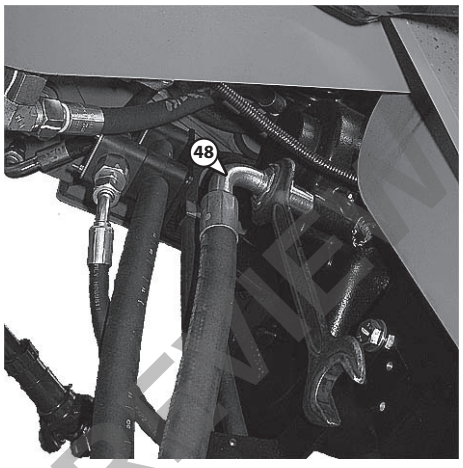


Disconnect the electric connectors from the gear box X53 (Item 38), X54 (Item 39), X55 (Item 40), X56 (Item 41), X58 (Item 42), X62 (Item 43).

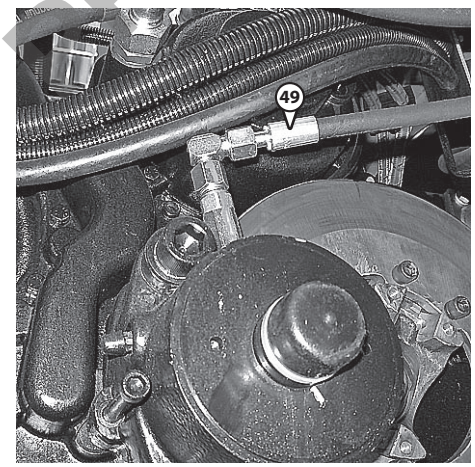


Separate the control lever (Item 44), unscrew the screw (Item 45) with a 19 mm spanner.

Remove the lug (Item 46) of the gear box return spring, unscrew the screw (Item 47) with a 24 mm spanner



Unscrew the gear box outtake hose (Item 48) with a size 41 spanner.



Unscrew the hydraulic break hose (Item 49) with a 19 mm spanner.

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INDEX OF COMPONENT CODES

pages

- TX boom main component location 3

Item	*Designation*
CSD	Double safety valve
CSP	Piloted safety valve
T1	Telescope 1
T2	Telescope 2
VT1	Telescope cylinder 1
VT2	Telescope cylinder 2
X134	Retracted boom sensor
X141	ORH panel connector
X194	Intermediate boom outlet inductive sensors
X195	Access retractor socket
X202	Intermediate boom extend sensor 2
X203	Intermediate boom extend sensor 1

pages

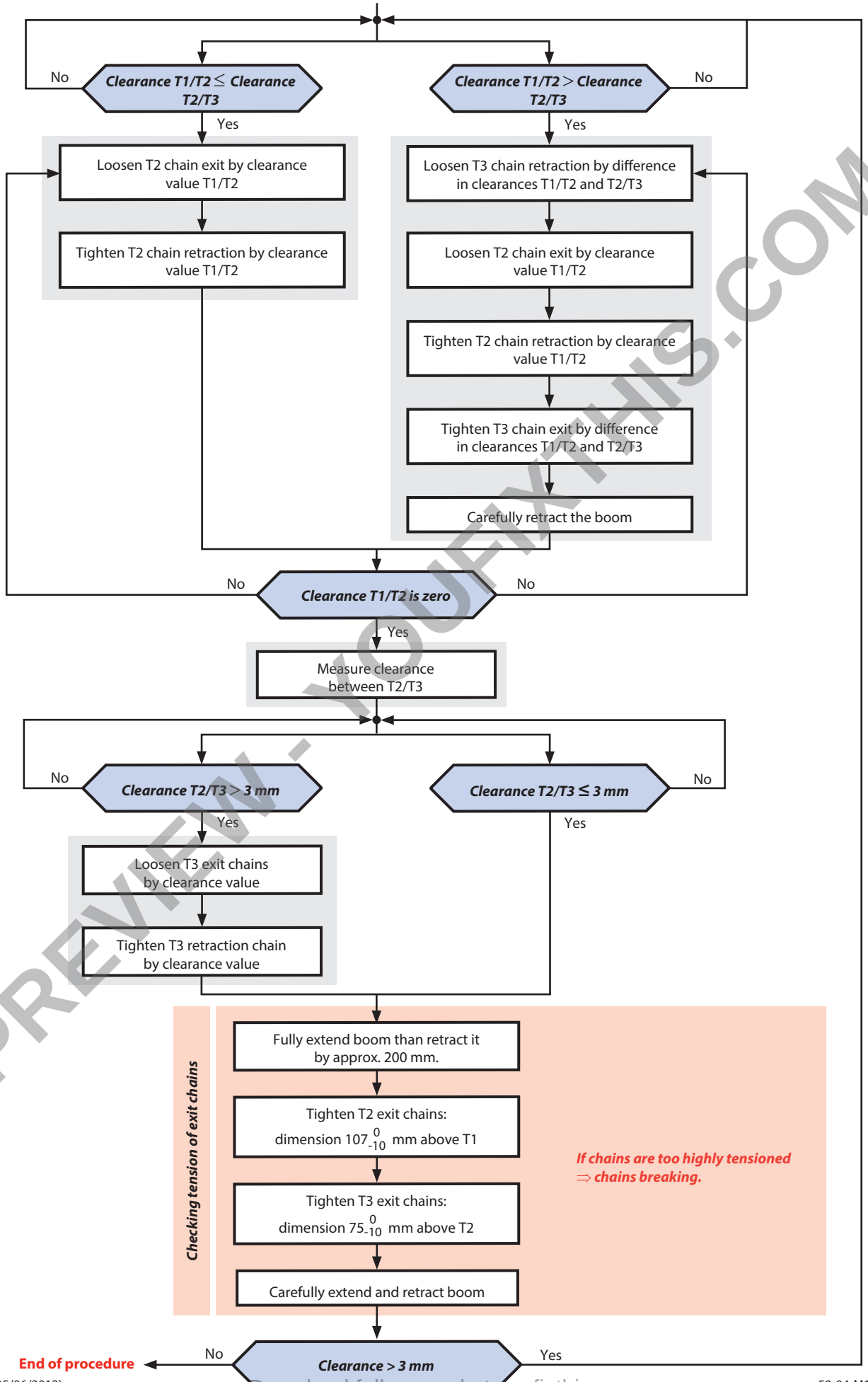
- QX boom main components location 4

Item	*Designation*
CSD	Double safety valve
VT	Telescope cylinder
B54	Inductive sensor C1 QX boom
B55	Inductive sensor C2 QX boom
B67	Intermediate boom extend sensor 1
B68	Intermediate boom extend sensor 2
S34	Retracted boom sensor
S56	Chain tension contactor 1
S57	Chain tension contactor 2
S58	Chain tension contactor 3
S59	Chain tension contactor 4
X130	Boom extend connector C1
X131	Boom extend connector C2
X134	Retracted boom sensor
X141	ORH panel connector
X195	Access retractor socket
X202	Intermediate boom extend sensor 2
X203	Intermediate boom extend sensor 1
X232	Chain tension contact 1 connector
X233	Chain tension contact 2 connector
X234	Chain tension contact 3 connector
X235	Chain tension contact 4 connector

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Where clearance is greater than 3 mm, carry out the following procedure:

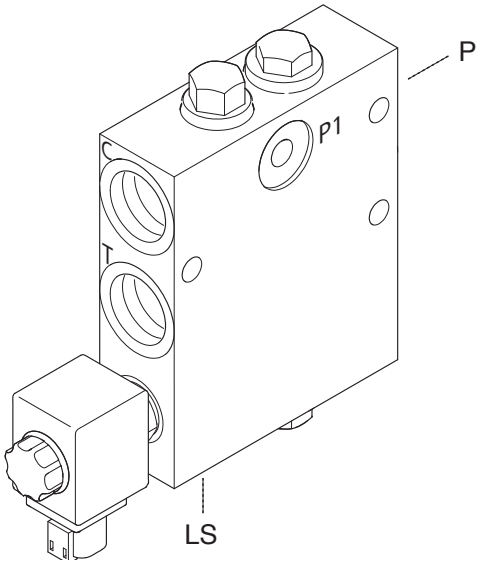


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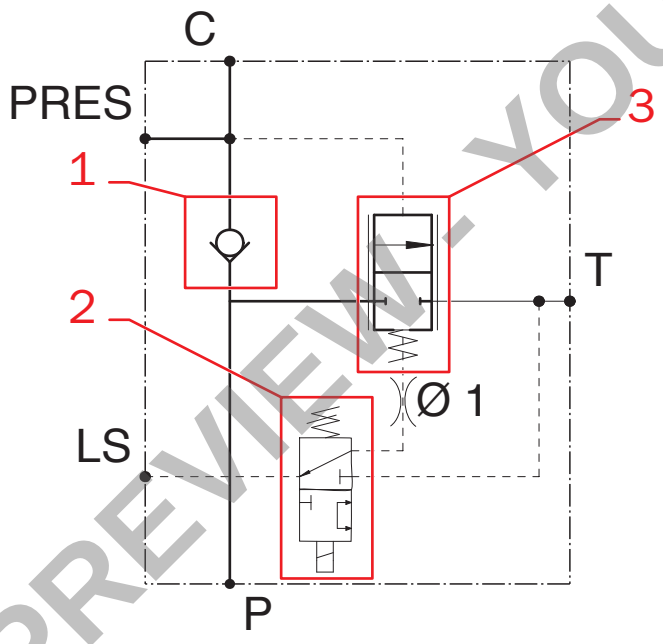
DISCHARGE VALVE «ACCESS»

Values for information purposes only.



Role :

- Discharge or accumulative flow from two different hydraulic lines.



1 - Non-return valve.
2 - Tank slide.
3 - Pilot electrovalve.

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Notes: _____

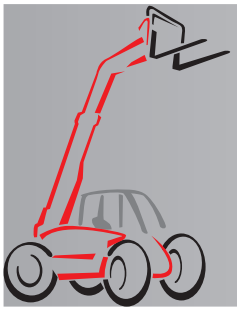
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KEY

Part No.	Designation	Electrical code equivalence
BA	FEED BLOCK + ACCUMULATOR	
CA	SUCTION STRAINER	
CPD	DOUBLE COUNTERBALANCE VALVE (Leveling cylinder)	
CPD	DOUBLE COUNTERBALANCE VALVE (Right-hand and left-hand stabilizer cylinders)	
CSD	DOUBLE SAFETY VALVE (VT)	
CSP3	COUNTERBALANCE VALVE (Lifting cylinder)	
CSP2	COUNTERBALANCE VALVE (tilting cylinder)	
D	9-ELEMENT DISTRIBUTOR	
D3	3-POSITION STEERING DISTRIBUTOR	
FR	RETURN FILTER	
JSM	HYDRAULIC CONTROL LEVER	
MC	MASTER CYLINDER	
P	HYDRAULIC PUMP	
PD	STEERING PUMP	
R	HYDRAULIC TANK	
RLF	BRAKE FLUID RESERVOIR	
VC	COMPENSATING CYLINDER	
VCD	SLOPE COMPENSATION CYLINDER	
Vdar	REAR STEERING CYLINDER	
Vdav	FRONT STEERING CYLINDER	
VI	TILTING CYLINDER	
VIC	COMPENSATING ISOLATION VALVE	
VL	LIFTING CYLINDER	
VRD	FLOW REGULATION VALVE	
VSD	RIGHT-HAND STABILIZER CYLINDER	
VSG	LEFT-HAND STABILIZER CYLINDER	
VT	TELESCOPING CYLINDER	

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HYDRAULIC SPECIFIC TOOLING

pages

BASIS GAUGE KIT **2**

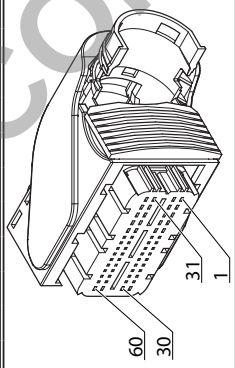
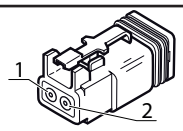
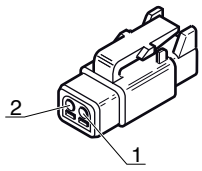
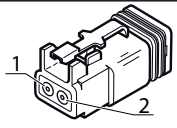
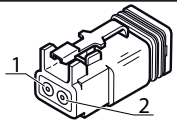
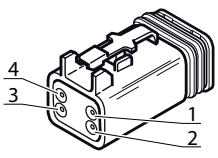
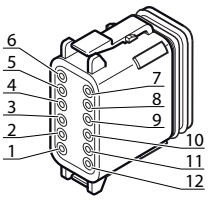
DIGITAL GAUGE KIT **3**

INFLATION KIT BOX **4**

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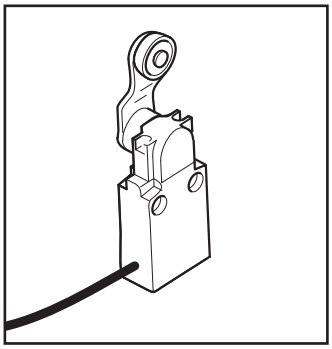
Wiring connectors

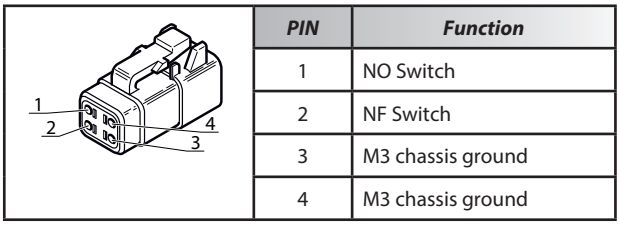
Part No.	Pos.	MT1440 / 1840			MT1440 / 1840 A			MT 1440 / 1840 Inch			MT 1440 / 1840 Inch A			Diagram
		Wire No.	Color	To	Wire No.	Color	To	Wire No.	Color	To	Wire No.	Color	To	
X186	1							Ditto MT 1440 / MT 1840 Inch A			318	Green	X184/1	
	2										319	Green	X184/2	
	5										325	Black	M3 Frame	
	6										300	Grey	X185/1	
	9										309	Grey	X182/2	
	10										308	Grey	X182/1	
	11										311	Grey	X62/2	
	12										310	Grey	X62/1	
	15										303	Green	X111/14	
	20										322	Green	Ep.80	
	21										323	Grey	Ep.80	
	26										329	Grey	X58/2	
	27										332	Grey	X58/1	
	28										338	Grey	X111/13	
	29										304	Grey	X111/15	
	31										314	Green	X54/1	
	32										315	Green	X54/2	
	33										316	Green	X53/1	
	34										317	Green	X53/2	
	36										335	Grey	Ep.81	
	39										301	Grey	X185/2	
	44										326	Black	M3 Frame	
	45										333	Green	X149/84	
	59										328	Grey	X57/1	
	60										324	Green	Ep.80	
X188	1										502	Green	X151/70	
	2										503	Black	M3 Frame	
X189	1				Ditto MT 1440 / MT 1840 Inch A						504	Grey	X150/6	
	2										505	Grey	X150/8	
X190	1				Ditto MT 1440 / MT 1840 Inch A						506	Green	X150/61	
	2										507	Black	M3 Frame	
X191	1				Ditto MT 1440 / MT 1840 Inch A						508	Green	X150/64	
	2										509	Black	Cab M2	
X194	1				Ditto MT 1440 / MT 1840 Inch A						515	Green	Ep.72	
	2										516	Green	X150/25	
	3										517	Green	Ep.72	
	4										518	Green	X150/55	
X195	1				Ditto MT 1440 / MT 1840 Inch A						520	Green	X111/1	
	3										522	Black	M3 Frame	
	4										523	Green	X111/2	
	6										525	Green	X112/17	
	7										526	Green	Ep.71	
	9										545	Grey	X149/30	

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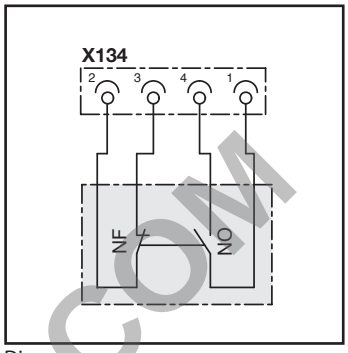
S34 Boom retracted switch





Corresponding connector

PIN	Function
1	NO Switch
2	NF Switch
3	M3 chassis ground
4	M3 chassis ground



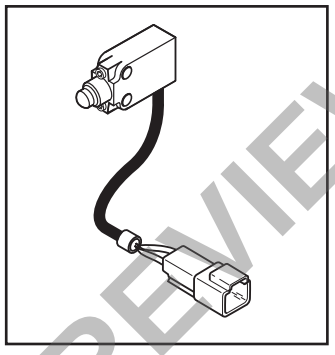
Diagram

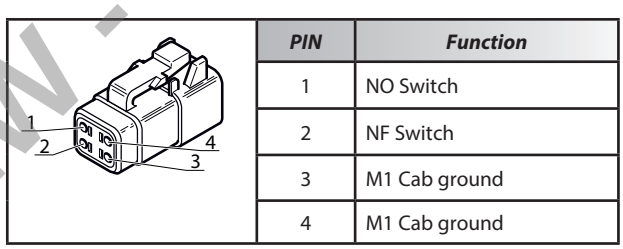
	PIN	Minimum	Typical	Max
Manimux current		4 mA	6 mA	/

Note:
When the boom is retracted, the NO switch is closed and the NF switch is open.

Notes: _____

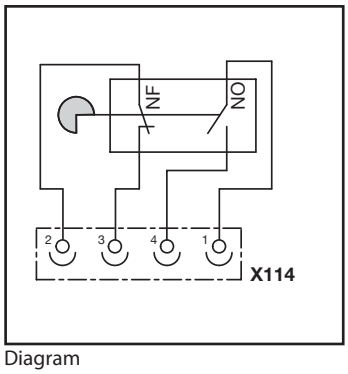
S46 Accelerator switch





Corresponding connector

PIN	Function
1	NO Switch
2	NF Switch
3	M1 Cab ground
4	M1 Cab ground



Diagram

	PIN	Minimum	Typical	Max
Manimux current	1	4 mA	6 mA	/
Voltage threshold	U < 2 V = 0 U > 6,5 V = 1 Umax = 16 V			
Inlet type	Type 1 negative logic inlet (ELN1)			

Note:
- Logic: When the pedal is not pressed at rest, the NO switch is closed and the NF switch is open.

Notes: _____

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Item	Diag. 1	Diag. 2	Diag. 3	Diag. 4	Diag. 5	Diag. 6	Diag. 7	Diag. 8	Diag. 9	Diag. 10	Diag. 11	Diag. 12
X111	I29	Q9			K13/C28/ I28	A14						
X111	I29	Q9			K13/C28/ I28	A14						
X111	I29	Q9			K13/C28/ I28	A14						
X111	I29	Q9			K13/C28/ I28	A14						
X112		A15			G34				M27		I34	
X112		A15			G34				M27		I34	
X112		A15			G34				M27		I34	
X112		A15			G34				M27		I34	
X114			S16									
X115		M4			M11							
X115		M4			M11							
X116		A7										
X118	C23										C26	
X118	C23										C26	
X119						A4						
X120						A9						
X121						K6/M5						O3
X121						K6/M5						O3
X124						Q38						
X125						C21						
X130						Q37						
X131						Q38						
X132						I34						
X133						C36						
X134						I28						
X135						O15						E8
X135						O15						E8
X138	C37											
X139						C14						
X140		O4										
X141					M29/K37							
X142						G14						
X144						G17						
X145						G19						
X146						G20						
X147						G22						
X148		G26	S2	Q8		E25			M29		E37	
X148		G26	S2	Q8		E25			M29		E37	
X148		G26	S2	Q8		E25			M29		E37	
X148		G26	S2	Q8		E25			M29		E37	
X148		G26	S2	Q8		E25			M29		E37	
X148		G26	S2	Q8		E25			M29		E37	
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X149		G16	C2	S8	C25	E37		M20	M33	I14		K10
X150		G31		C8	C32	K15						A6
X150		G31		C8	C32	K15						A6
X150		G31		C8	C32	K15						A6
X150		G31		C8	C32	K15						A6
X150		G31		C8	C32	K15						A6
X151		G39		G8	C38	K18						A9

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CONNECTORS					
Wiring harness type	**Item**	**Name of component**	**Designation**	**Position on diagram**	**Hydraulic correspondence**
Cab 1	X 13	A9	Cluster	C5	
Engine	X 20	B6	Air filter clogging	E5	
Frame	X 21	B7	Hydraulic filter sensor	I25	
Cab 1	X 22	S11	Brake fluid level	I11/K11	
Engine/Cab 1	X 23		Engine/cab interface	C5	
Cab 1	X 45	S9	Door switch closed/cluster NF (wake-up)	I5	
Cab 1	X 52	S10	Door switch closed/Manimux Power NO	M39	
Frame	X58	B24	Box temperature sensor (2 contacts on Manimux)	G32	
Frame	X 62	B14	Gear box output speed sensor	G35	
Cab 1	X 63	R2	Fuel gage	C11	
Cab 1	X 64	B8	Pressure switch on master cylinder	G12	
Frame	X 65	B9	Front wheel alignment	C32	
Frame	X 66	B10	Rear wheel alignment	C34	
Frame	X 70	B17	Assist brake circuit pressure switch	C38	
Cab 1	X 73	R2	Fuel gage	E11	
Frame	X76	B22	Safety valve/distributor pressure switch	C31	
Frame	X77	B36	Boom lifting NC sensor	O31	
Frame	X78	B35	Boom lowering NC sensor	O33	
Frame	X79	B37	Tilting NO sensor	O35	
Frame	X80	B38	Tilting NC sensor	A20	
Frame	X81	B42	Right stabilizer raising NC sensor	A26	
Frame	X82	B41	Right stabilizer lowering NC sensor	A28	
Frame	X83	B40	Left stabilizer raising NC sensor	A22	
Frame	X84	B39	Left stabilizer lowering NC sensor	A24	
Frame	X85	B43	Leveling NO sensor	A29	
Frame	X86	B44	Leveling NC sensor	A31	
Frame	X 87	B18	Right stabilizer low level pressure switch	G29	
Frame	X 88	B19	Right stabilizer up pressure switch	I32	
Frame	X 96	B20	Left stabilizer low level pressure switch	I29	
Frame	X 97	B21	Left stabilizer high level pressure switch	G26	
Frame	X100	B23	Boom angle sensor	I39	
Frame/Cab 1	X110		Frame/cab Interface	I25/O7	
Frame/Cab 1	X111		Frame/cab Interface	A15	
Cluster	X119	B32	Strain gage 1	A5	
Cluster	X120	B33	Strain gage 2	A9	
Cab	X121	M15	Pneumatic seat pump	K7	
Frame	X124		C1 and C2 QX boom inductive sensor connector	O38	
QX Boom	X130	B54	Inductive sensor inner C1 QX boom	O37	
QX Boom	X131	B55	Inductive sensor inner C2 QX boom	O38	
Frame	X132	B30	Servo steering circuit fault pressure switch	I34	
Frame	X133	B29	ON/OFF negative brake pressure switch	C36	
Frame	X134	S34	Retracted boom sensor	I29	
Frame	X135		Telescope suspension connector	Q15	
Cab 1	X139		Pedal potentiometers	C15	
Frame	X148	A1	Manimux Power CN1-P1	E26	
Frame	X149	A1	Manimux Power CN2-P1	E38	
Frame/Engine	X173		FRAME/ENGINE INTERFACE	C19	
Engine	X201	BF3	FUSEBOX BF3 CAB	C3	

COMPONENTS			
Part No.	**Designation**	**Position on diagram**	**Hydraulic correspondence**
A 1	Manimux Power MP1	E31	
A 9	Manimux Cluster MC2	C9	
B 6	Engine air filter clogging pressure switch	G4	
B 7	Hydraulic filter clogging pressure switch	K25	
B 8	Brake master cylinder pressure switch	I11	
B 9	Front wheel alignment sensor	C33	
B10	Rear wheel alignment sensor	C35	
B14	Gear box output speed sensor	G35	
B17	Servo brake circuit fault pressure switch	E39	
B18	Right stabilizer pressure switch 1	I29	
B19	Right stabilizer pressure switch 2	K32	
B20	Left stabilizer pressure switch 1	K29	
B21	Left stabilizer pressure switch 2	I25	
B22	Safety valve/distributor hydraulic cut-out pressure switch	E31	
B23	Boom angle sensor	I37	
B24	Gear box oil temperature sensor	G32	
B29	Negative brake fault pressure switch	C36	
B30	Servo steering circuit fault pressure switch	K34	
B32	Strain gage 1	A7	
B33	Strain gage 2	A11	
B35	Boom lowering NC sensor	Q33	
B36	Boom lifting NC sensor	Q31	
B37	Tilting NO sensor	Q35	
B38	Tilting NC sensor	A21	
B39	Left stabilizer lowering NC sensor	A24	
B40	Left stabilizer raising NC sensor	A22	
B41	Right stabilizer lowering NC sensor	A28	
B42	Right stabilizer raising NC sensor	A26	
B43	Leveling NO sensor	A29	
B44	Leveling NC sensor	A31	
B54	QX boom extension inductive sensor C1	Q37	
B55	QX boom extension inductive sensor C2	Q38	
R 2	Fuel level sensor	E10	
S 9	Closed cab door switch on cluster NF (Wake-up)	K5	
S10	Closed cab door switch on power NO	M38	
S11	Brake fluid level switch	I10	
S17	Particle filter regeneration switch	M12	
S34	Retracted boom sensor	K28	
S60	Seat driver presence sensor	M6	
S61	Seat driver presence sensor	M7	

FUSES AND RELAYS		
Item	**Designation**	**Position on diagram**
	BF3/M4	
F21	Roof light and door contact (3A)	G3

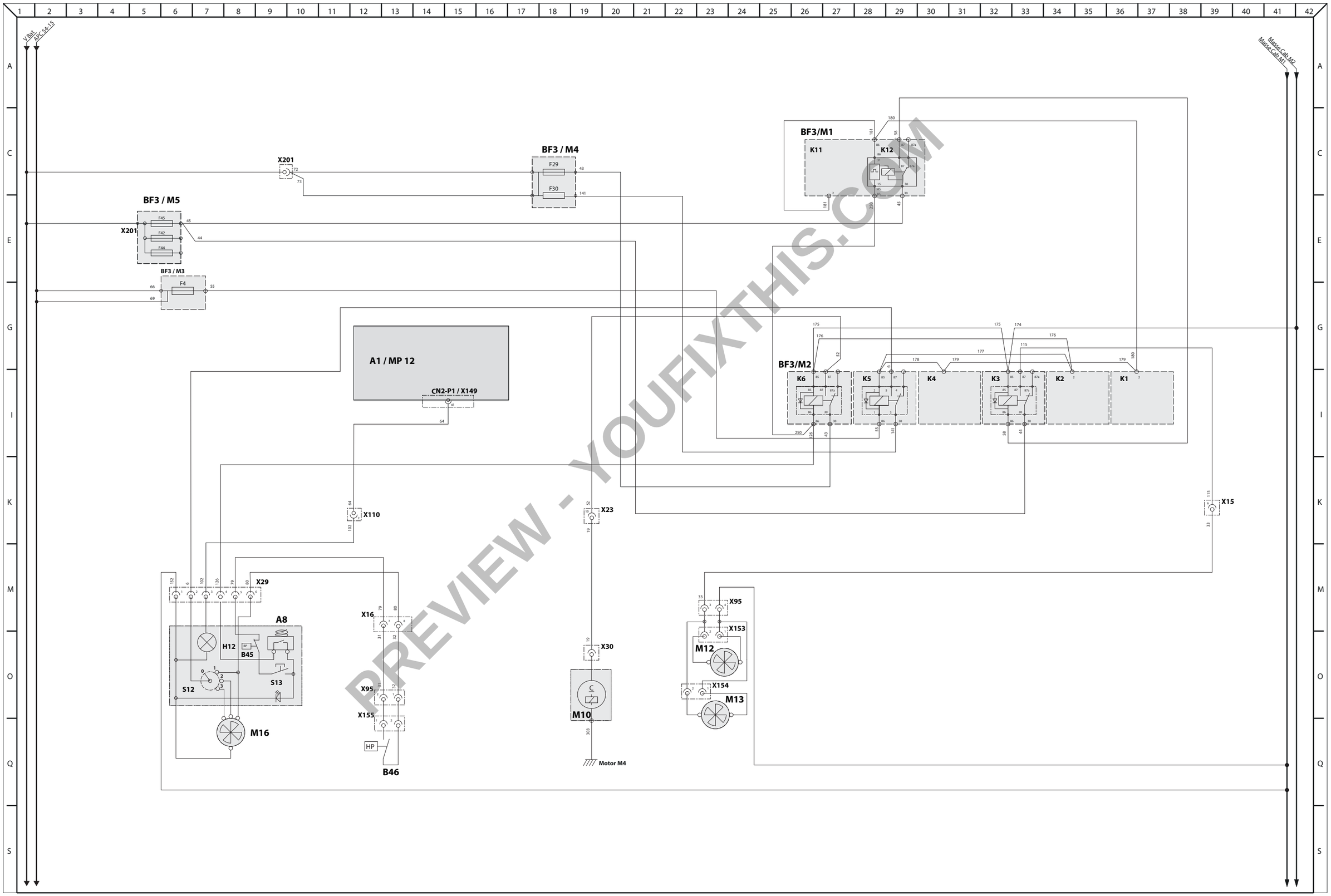
SPLICES	
Part No.	**Position on diagram**
Ep.20	G39
Ep.61	M36 (MT1840)
Ep.91	G38

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DIAGRAM 10 – HEATING + AIR-CONDITIONING OPTION

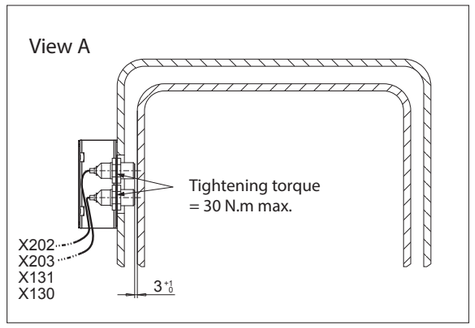
MT 1440 A INCHING / 1840 A INCHING

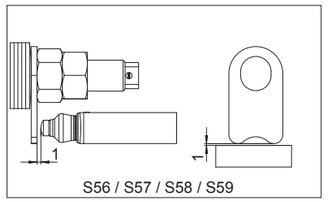


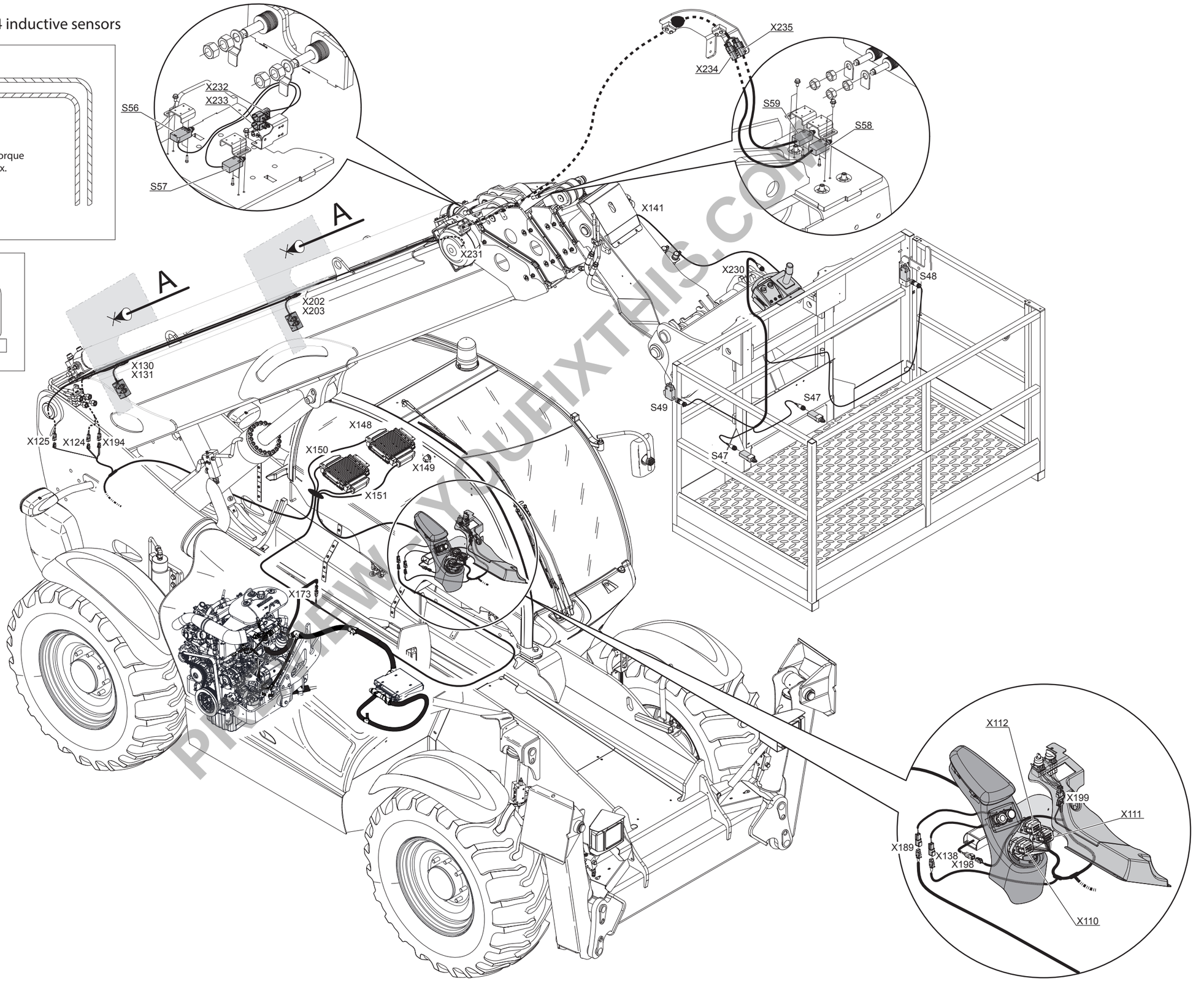
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Details of settings for the 4 inductive sensors



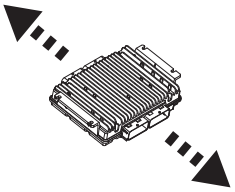




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MC

MP1

MP2

Component description	Line N°	Column N°	PIN	Page	Inlet type	Status	Consequence
/	1	1	1.01	1/1			
Lifting electrovalve power supply voltage	1	2	1.31	1/1	TOR (All or nothing)	0	Not supplied
						1	Supplied
Telescope electrovalve power supply voltage	1	3	1.35	1/1	TOR (All or nothing)	0	Not supplied
						1	Supplied
Deflector electrovalve voltage	1	4	1.65	1/1	TOR (All or nothing)	0	
						1	
/	1	5	2.84	1/1			
ORH/RC engine speed relay control voltage	1	6	2.82	1/1	TOR (All or nothing)	0	OK
						1	Not OK
ORH/RC start relay control voltage	1	7	2.54	1/1	TOR (All or nothing)	0	OK
						1	Not OK
/	1	8	2.23	1/1			
Tilting electrovalve power supply voltage	2	1	2.83	1/1	TOR (All or nothing)	0	Not supplied
						1	Supplied
Auxiliary electrovalve power supply voltage	2	2	2.53	1/1	TOR (All or nothing)	0	Not supplied
						1	Supplied
BMEP XT power supply voltage	2	3	1.34	1/1	TOR (All or nothing)	0	Supplied
						1	Not supplied
BMEP XL power supply voltage	2	4	1.02/ 1.03/ 1.32	1/1	TOR (All or nothing)	0	Supplied
						1	Not supplied
/	2	5	2.01/ 2.02	1/1			
Intermediate sensor power supply voltage	2	6	2.18/ 2.49	1/1	TOR (All or nothing)	0	Not supplied
						1	Supplied
/	2	7	2.19/ 2.20/ 2.50/ 2.80	1/1			
/	2	8	2.21	1/1			
/	3	1	2.51	1/1			

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