Service Manual

Load Control (Supplement)

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⇨ *LC1 and LC4 (540-170 Only) (37)*

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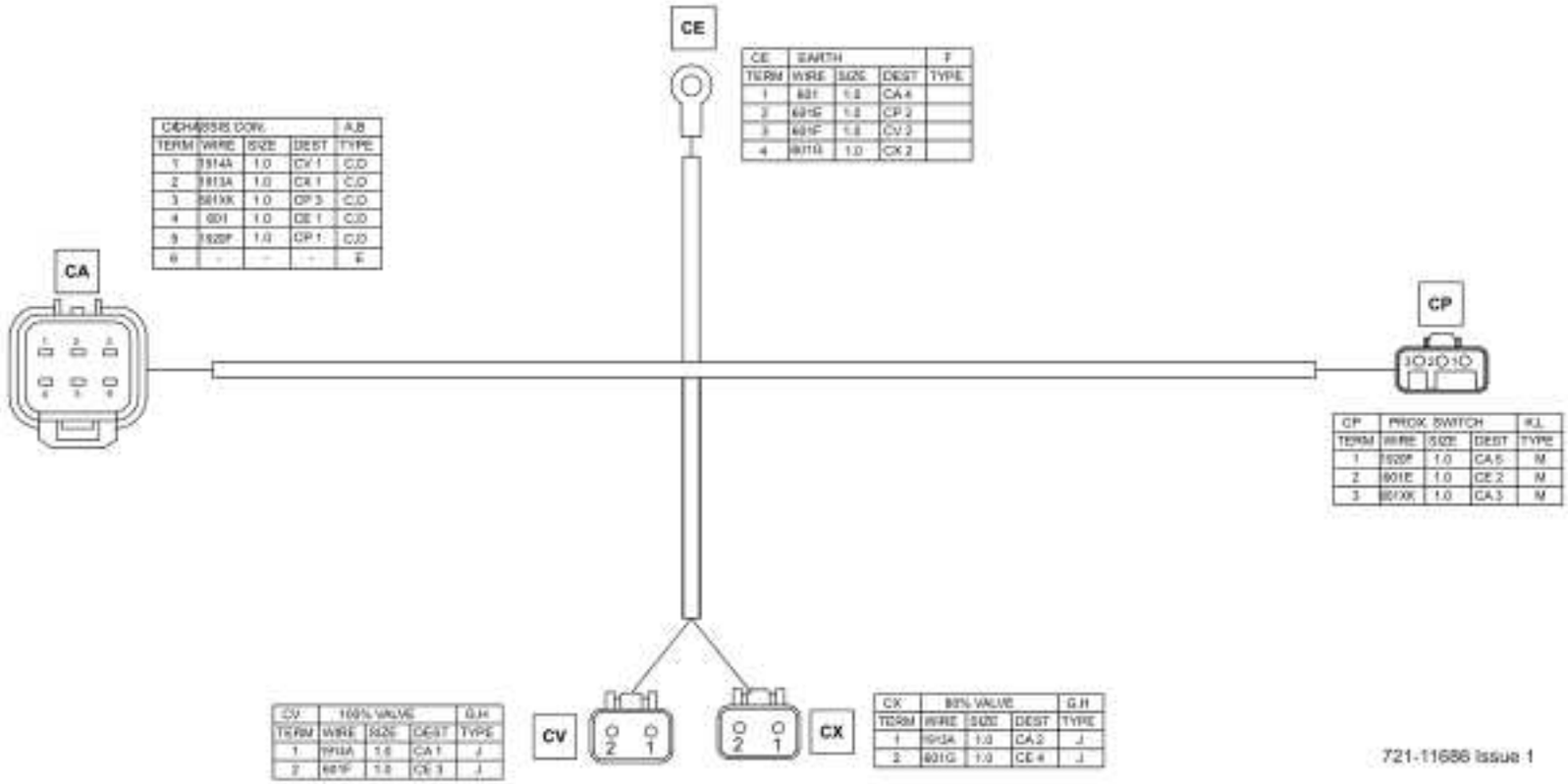
Chassis Harness 721/11686 Issue 1

Note: *Solenoid connections are indicated by letters stamped on the manifold.*

⇨ *Fig 73. (🗋 118)*

Key to Connectors:

CA Chassis connector
CE Earth
CP Proximity switch
CX 80% cut solenoid
CV 100% cut solenoid



CE	EARTH			F
TERM	WIRE	SIZE	DEST	TYPE
1	601	1.0	CA 4	
2	601E	1.0	CP 2	
3	601F	1.0	CV 2	
4	601G	1.0	CX 2	

CA	CHASSIS CONN.			A,B
TERM	WIRE	SIZE	DEST	TYPE
1	3914A	1.0	CV 1	C,D
2	3913A	1.0	CX 1	C,D
3	5610K	1.0	CP 3	C,D
4	601	1.0	CE 1	C,D
5	1920F	1.0	CP 1	C,D
6	-	-	-	E

CP	PROX. SWITCH			K,L
TERM	WIRE	SIZE	DEST	TYPE
1	1920F	1.0	CA 5	M
2	601E	1.0	CE 2	M
3	5610K	1.0	CA 3	M

CV	100% VALVE			G,H
TERM	WIRE	SIZE	DEST	TYPE
1	3914A	1.0	CA 1	J
2	601F	1.0	CE 3	J

CX	80% VALVE			G,H
TERM	WIRE	SIZE	DEST	TYPE
1	3913A	1.0	CA 2	J
2	601G	1.0	CE 4	J

Fig 73. 721/11686 - 528-70 Chassis Harness (LC2)

⇨ *Chassis Harness 721/11645 Issue 1 (🗋 115)*

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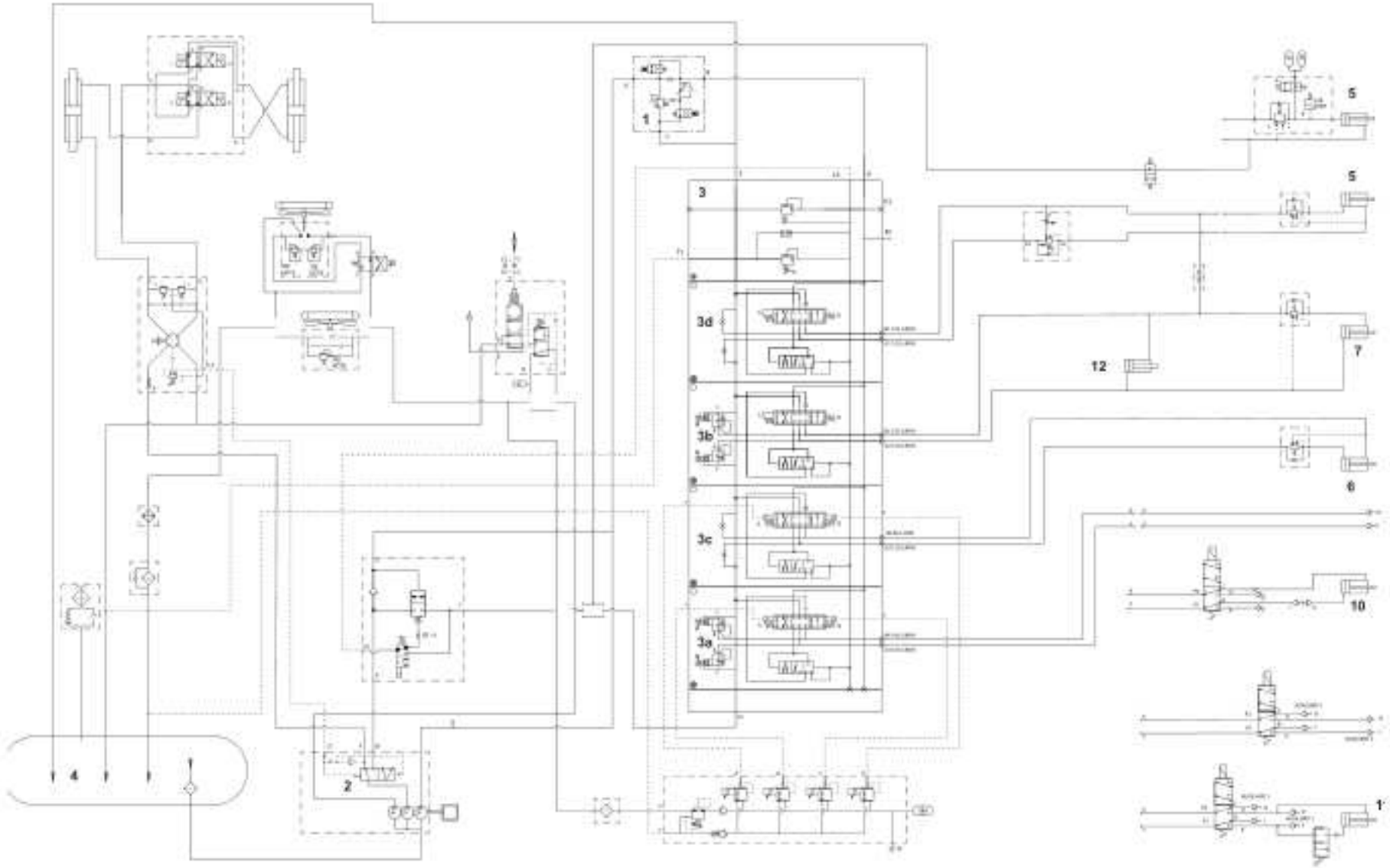


Fig 186. MC06 - 531-70 LSP + Gearpump Machines

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Table 42. Diagnostic Fault Codes

	Fault Code	Possible Cause	Remedy
	1 Transducer signal fault	Transducer not connected.	Check transducer connection.
		Faulty harness.	Check for trapped or damaged wires.
		Faulty transducer.	Check for water ingress. Replace transducer.
	2 Calibration out of range	System is incorrectly calibrated.	Re-calibrate system.
		Transducer not fixed down correctly.	– Check mounting surfaces are clean and flat. Check mounting bolts are not bottoming-out. – Check tightness of transducer mounting bolts.
		Faulty transducer.	Replace transducer.
	3 Calibration required	System not calibrated.	Calibrate system.
	4 Display unit faulty	The display box has detected an internal error.	Switch the starter key off and then on again. Replace the display box if the fault does not clear.
	5 Low battery voltage	Battery voltage is below 9 Volts.	Do 12V supply test at display box. Check battery voltage.
	6 Fault in LCS manifold (LCS Only) ***Note:*** *This code will be accompanied by either or both of the mode symbols lighting, either continuously or flashing.*	Solenoid valve in manifold box failing to operate.	Note pattern of mode symbol illumination. ⇨ *Manifold Faults (LCS Only) (□ 325).*

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Circuit Description

Introduction

The following description outlines the operation of the LC5 load control system as fitted to 540-140, 535-125 HiViz, and 535-140 HiViz machines. ⇨ *Fig 103. (🗋 155)* ⇨ *Fig 102. (🗋 154)*

⇨ *LC5 Electrical Schematic (540-140) (🗋 160)*
⇨ *LC5 Electrical Schematic (535-125 HiViz and 535-140 HiViz) (🗋 162)*
⇨ *Hydraulic Schematic - 540-140 (🗋 170)*
⇨ *Hydraulic Schematic - 535-125 HiViz, 535-140 HiViz (🗋 171)*
⇨ *Logic Sequence (🗋 178)*

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