



## HAMMER LUBRICATION SYSTEM



### PRODUCT DESCRIPTION

CHASSIS MOUNTED HAMMER LUBRICATION SYSTEM IS AN AUTOMATIC LUBRICATION SYSTEM SPECIFICALLY DESIGNED FOR MACHINES WITH HYDRAULIC HAMMERS.

THE LSC-200A CONTROLLER SIGNALS AN ELECTRIC PUMP TO BEGIN DISPENSING LUBRICANT WHILE THE MACHINE IS IN OPERATION. HAMMER LUBRICATION KITS COME IN 1, 2 OR 3 PUMPING ELEMENTS PER PUMP.

THESE PUMPING UNITS DELIVER PRECISE AMOUNTS OF LUBRICANT TO THE CORRECT LOCATION ON THE HAMMER.

PROGRAMMABLE ALARM INPUTS INCLUDE LOW RESERVOIR LEVEL, HIGH PRESSURE DETECTION, ZONE CYCLE VERIFICATION, MOTOR LOW/HIGH CURRENT LEVELS.

OUTPUT CONTROLS INCLUDE ENERGIZING PUMP TO INITIATE LUBE EVENT AND ENERGIZE ALARM CIRCUIT FOR SYSTEM FAULT NOTIFICATIONS.

### BENEFITS & FEATURES

LARGE RESERVOIR CAPACITIES

NO NEED TO CONSTALY CHANGE CARTRIDGES

ALLOWS FOR SHUT DOWN OF AUXILIARY HYDRAULIC CIRCUIT WHEN EMPTY

ADJUSTABLE OUTPUTS

AFTER CYCLE ON-TIME ADJUSTMENT FOR INTERMITTENT USE

FULL SYSTEM CONDITION MONITORING

FULL SYSTEM MEMORY

AUDIBLE AND VISUAL ALERTS TO OPERATOR

## READY FOR IMMEDIATE SHIPMENT

MADE IN



[WWW.LUBRICATIONSCIENTIFICS.COM](http://WWW.LUBRICATIONSCIENTIFICS.COM)

**ORDERING INFORMATION & PART NUMBERS**



**LSC-200A**

PRODUCT DESCRIPTION	PART NUMBER
Hammer lubrication controller stand alone unit	LSC-200A
Hammer lubrication kit Single point system with 4kg reservoir and 1 pumping elements	LHK-4-1-1
Hammer lubrication kit Single point system with 6kg reservoir and 2 pumping elements	LHK-6-2-1
Hammer lubrication kit Single point system with 8kg reservoir and 3 pumping elements	LHK-8-3-1

Menu#Tag	Function
1	<b>run</b> Run Display (On = pump on, OFF = Pump Off)
2	<b>SETr</b> Set run mode <b>P-Lo</b> = Psi Enable Sw. Low going to enable the pump <b>P-Hi</b> = Psi Enable Sw. High going to enable the pump <b>H-Lo</b> = Hammer Sw. Low going to enable the pump <b>H-Hi</b> = Hammer Sw. High going to enable the pump <b>Por</b> = Power On to enable the pump
3	<b>HI-F</b> High Psi alarm time. Time in Sec for the over pressure alarm to trigger in a 5 min window.
4	<b>Lo-F</b> Low Lube alarm time. Time in Sec for the Low Lube alarm to trigger in a 5 min window.
5	<b>Lo-P</b> Set the polarity of the low lube signal. Set to POS = Input = high (active) = grease level is good Set to nEg = Input = low (inactive) = grease level is good
6	<b>P-tr</b> Set total pump hours until replacement alarm sounds
7	<b>P-ot</b> Set pump voltage out from 5.0 to full (supply). The controller cannot give more voltage than its supply.
8	<b>P-tP</b> Set pump output type <b>nL-C</b> = Normal current (low current error enabled) <b>Lo-C</b> = Low current (low current error disabled)
9	<b>P-ti</b> Set pump off-delay timer 0 (off) to 30 sec
10	<b>t-rn</b> Display of motor run time hours (press INC key to display minutes seconds)
11	<b>t-to</b> Display of power up time hours (press INC key to display minutes seconds)
12	<b>t-rS</b> Reset All timers. Enter special pass code and hold the INC button for 5 sec.
13	<b>t-E1</b> Display of PSI error time hours (press INC key to display minutes seconds)
14	<b>t-E2</b> Display of low lube error time hours (press INC key to display minutes seconds)
15	<b>t-E5</b> Display of motor (open + short) error time hours (press INC key to display minutes seconds)
16	<b>P-rP</b> Pump Replacement time. Display hours until pump replacement alarm starts. Reset timer by pressing INC & DEC for 4 sec (must have entered the pass code #181)
20	<b>in-1</b> Input display #1 (obeying the sink/source input types) Pressing INC turns on CR2 (the hammer sw relay) Pressing DEC turns on the buzzer
21	<b>in-2</b> Input display #2 (looking for both sink/source types) Pressing INC turns on the dash light Pressing DEC spare output
22	<b>P-tS</b> Pump test If the correct pass code has been entered then: Pressing INC turns on the pump, Dec turns it off If no pass code then the pump output follows the normal run program. In either case, the display shows 'P-OFF' if the pump is off, or the current in on.
23	<b>SErL</b> Serial number display
99	<b>P-Cd</b> Set pass code (181 allows changing settings)

**Error Displays:**

Flash 'FAiL' and:

- Er 1** PSI error
- Er 2** Low Lube
- Er 5** Motor open circuit
- Er 6** Motor shot circuit
- Er 7** Replace Pump

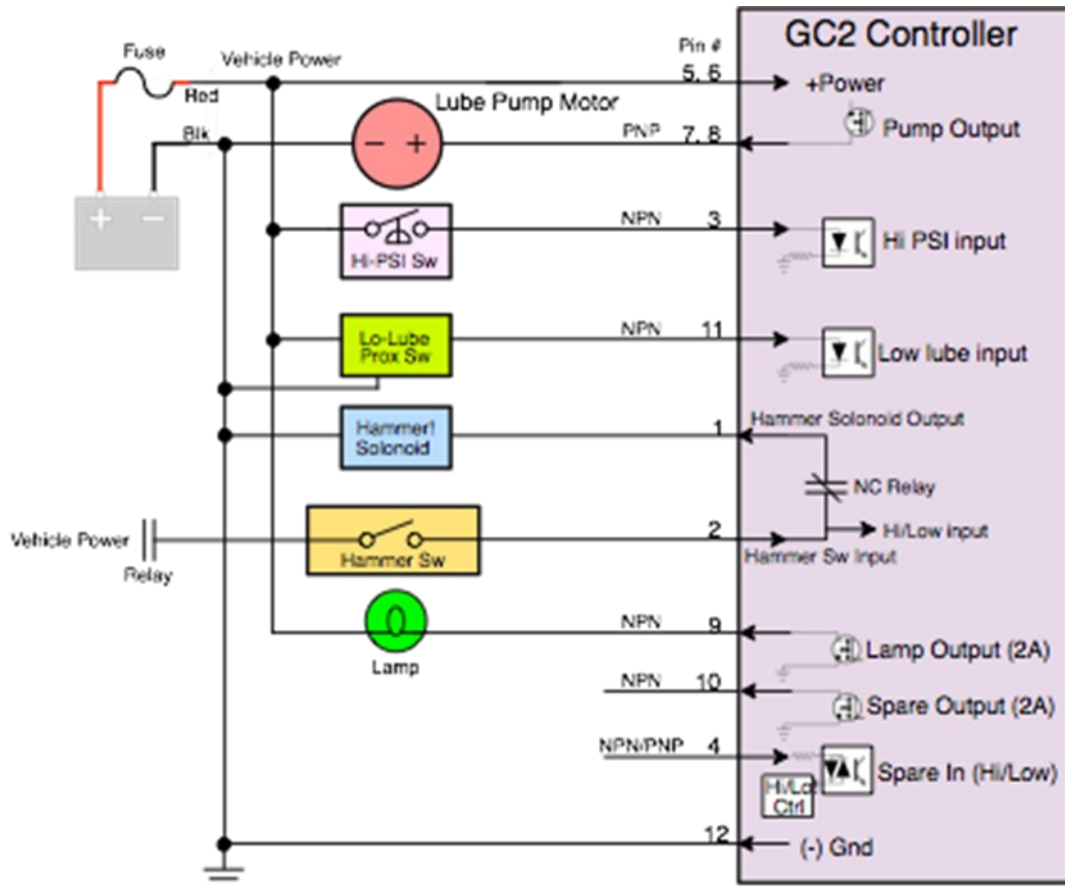
**Alarm Display:**

Flash 'ALAR' and: **AL 1** Pump replacement timeout

**Front panel Leds:**

Led1 (left Led) High PSI sw is On  
 Led2 (middle Led) Grease level input  
 Led3 (right Led) Pump is On

**Wiring Diagram :**





CONTACT US

IN THE USA, FIND YOUR STATE IN THE MAP BELOW, LOOK FOR THE REGION ID NUMBER AND FIND THAT NUMBER IN THE CONTACT INFORMATION CHART.



1	Call Factory Direct - 877-452-0157	7	Richard Hanley - <b>California</b> - Santa Barbara, Ventura, Los Angeles, Orange, San Bernardino, Riverside, San Diego and Imperial Counties. <b>Nevada</b> - Clark County. Cell: 714-625-5539 Email: rth@lubricationscientifics.com
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4	Andy Kromer Cell: 440-364-4721 Email: aklub@lubricationscientifics.com	10	Call Factory Direct - 877-452-0157
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6	Cory Walker Cell: 832-585-7065 Email: c.walker@lubricationscientifics.com		

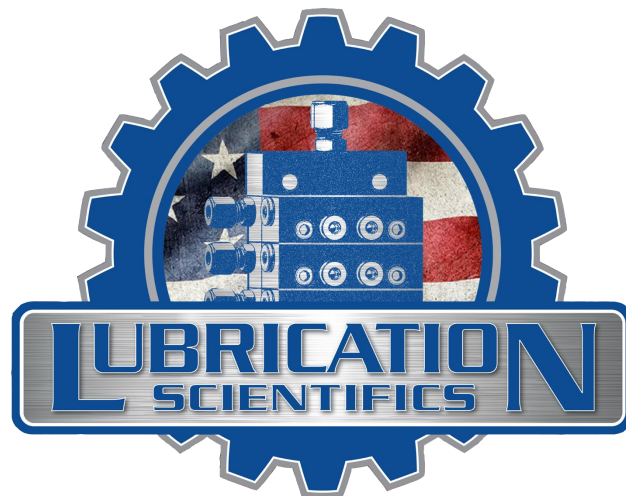
Outside of the United States	Call Factory Direct - 877-452-0157
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