

REV	DESCRIPTION	ECN#	DWN	APVD	DATE
A	ISSUED ENGINEERING DRAWING	1172	KK	KJE	19JUL07
B	CHANGES MADE TO DIAGRAM	1172	MWL	KJE	12SEP07
C	NO. FLYWHEEL TEETH WERE INCORRECT	2457	ASC	KJE	21OCT11

LEGEND	
BA1 - BATTERY #1	DPG - PRESSURE GAUGE(LUBE)
BA2 - BATTERY #2	DPS - PRESSURE SENDER(LUBE)
BBR - BATTERY BRIDGE	PC1 - INSTRUMENT PANEL CONNECTOR
BIS - BATTERY ISOLATOR	PC2 - ENGINE HARNESS CONNECTOR
CSW - CRANK(MANUAL) SWITCH-BATT#1	PLS - TURBO PRELUBE SOLENOID
DRR - DROPPING RESISTOR(24V ONLY)	SC1 - STARTER CONTACTOR BATT#1 (AUTO)
ESR - ETS SOLENOID RELAY	SC2 - STARTER CONTACTOR BATT#2 (AUTO/MAN)
GTS - GOVERNOR ETS SOLENOID	STR - STARTER
HDS - HIGH OIL TEMPERATURE SWITCH N.D.	TAC - TACHMETER - HOURMETER
LWS - LOW TEMPERATURE SWITCH N.D.	TPT - TURBO PRELUBE TIMER
MPU - MAGNETIC PICK-UP	TST - TERMINAL STRIP (CONTROLLER INTERCONNECT)
	DTG - TEMPERATURE GAUGE(OIL)

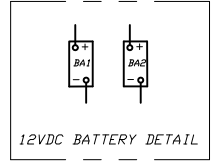
COLOR CODE	
A - WHITE	G - BLUE
B - RED	I - PINK
C - ORANGE	J - BLACK
D - YELLOW	K - BROWN
E - GREEN	L - GRAY
F - GREEN	M - PURPLE
G - BLUE	

- NOTES:
- BROKEN LINE (---) SYMBOLS INDICATE COMPONENTS NOT SUPPLIED BY CLARKE.
  - REFER TO ENGINE MODEL INSTALLATION DATA SHEET FOR SPECIFIC BATTERY AND CABLE SIZE REQUIREMENTS.
  - 12 VOLT SYSTEM DOES NOT INCLUDE THE TWO (DR) DROPPING RESISTORS. RED WIRES (B) CONNECT DIRECTLY TO PG & TG RESPECTIVELY.
  - SOME MODELS HAVE A STARTER THAT IS INTERNALLY GROUNDED, FOR THOSE THE BATTERY NEGATIVE CABLE (GRD) SHOULD BE ATTACHED TO THE ENGINE BLOCK (ALL PAINT SHOULD BE REMOVED TO BARE METAL)
  - MAGNETIC PICKUP DETAILS:

TYPICAL OUTPUT DATA			
RESISTANCE LOAD	1KΩ	5KΩ	27KΩ
VOLTS PEAK TO PEAK NOMINAL REF.	7.60	9.90	10.30
NO. OF GEAR TEETH	LC2A-LP30 99 & LC2A-LP60 116		
SURFACE SPEED	628.3 IN/SEC.		

**CONTROLLED DRAWING**

This is a registered part with a third party agency for use on an approved/listed fire pump driver. No substitutions are allowed. Consult engineering prior to and regarding any change.



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	CONTROLLED DRAWING	DRAWN: KJKUNKLER DATE: 19JUL07	WIRING DIAGRAM, LC2A LPCB APPROVED, 12V
<small>UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:</small> DECIMAL: .0005 IN FRACTIONAL: 1/32 IN ANGULAR: ±1/2°	ENGINE: KJKUNKLER MATERIAL: ----	PART NO.: U071088	REV: C
SIMILAR TO: ----	USED ON: ----	SCALE: NTS	UNITS: MM [INCH] PAGE: 1 OF 1

BY OTHERS  
BY CLARKE

INSTRUMENT  
PANEL

ENGINE

