

8

7

6

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G

F

E

D

C

B

A

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E

D

C

B

A

INSTRUMENT PANEL

COLOR CODE

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

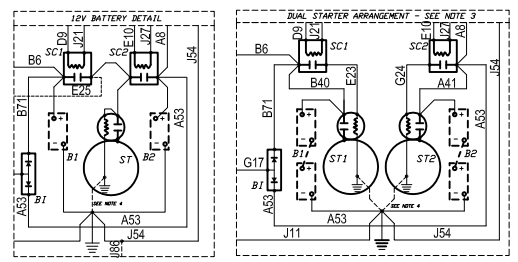
MECAB

D28	TACH
A29	MAG PICKUP INPUT
J30	MAG PICKUP GROUND
BARE	GROUND (MFI SHIELD)
J89	GROUND (MAIN SUPPLY)
J62	GROUND (CRISO)
B15	SWITCHED POWER IN - B+ CORE
K2	CRANK DISCONNECT ALARM
B82	BATTERY +
B83	BATTERY +
B84	BATTERY +
G64	OVERSPEED ALARM
L78	ETR RELAY MANUAL CIRCUIT
E10	ETR RELAY AUTO CIRCUIT
E11	TEST

BATTERY +

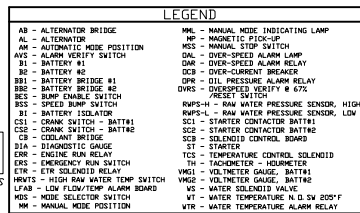
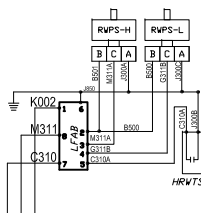
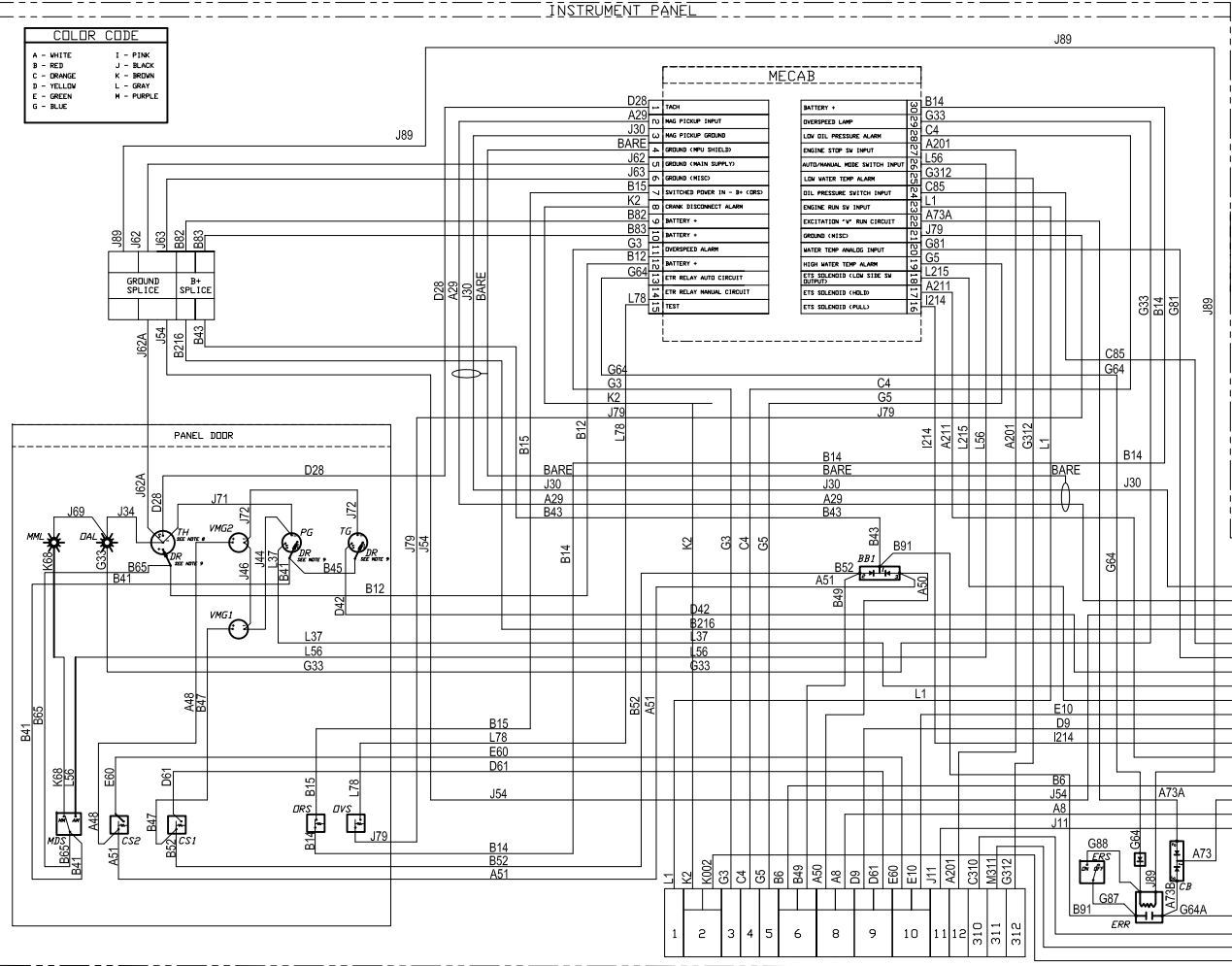
B14	OVERSPEED LAMP
G33	LOW OIL PRESSURE ALARM
C4	ENGINE STOP SW INPUT
A201	AUTO/MANUAL MODE SWITCH INPUT
L56	LOW WATER TEMP ALARM
G312	OIL PRESSURE SWITCH INPUT
C85	ENGINE RUN SW INPUT
L1	EXHAUSTION "P" RUN CIRCUIT
A73A	GROUND (WTS)
J79	WATER TEMP ANALOG INPUT
G81	ETS SOLENOID (LOW SIDE SW MOTOR)
G5	ETS SOLENOID (HOLD)
L215	ETS SOLENOID (PULL)
A211	
I214	

REV	DESCRIPTION	ECNH	DWN	APVD	DATE
A	ISSUED ENGINEERING DRAWING	3633	MJD	JPD	14FEB15



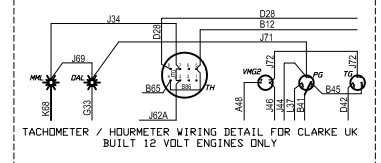
LEGEND

AB	- ALTERNATOR BRIDGE	VM	- MANUAL MODE INDICATING LAMP
AL	- ALTERNATOR	MP	- MAGNETIC PICK-UP
AM	- AUTOMATIC MODE POSITION	MSS	- MANUAL STOP SWITCH
AS	- ALARM VERIFY SWITCH	ASV	- OVER-SPEED ALARM LAMP
AS3	- OVER-SPEED ALARM LAMP	AS5	- OVER-SPEED ALARM RELAY
B1	- BATTERY #1	CB	- OVER-CURRENT BREAKER
B2	- BATTERY #2	CR	- OVER-SPEED VERIFY @ 60% THRESHOLD SWITCH
B82	- BATTERY BRIDGE #1	CRS	- OVER-SPEED VERIFY @ 60% THRESHOLD SWITCH
B83	- BATTERY BRIDGE #2	DIA	- DIAGNOSTIC GAUGE
B84	- BATTERY BRIDGE #3	DR	- ENGINE RUN RELAY
B85	- SPEED BUMP SWITCH	ERS	- EMERGENCY RUN SWITCH
B1	- BATTERY ISOLATOR	ETW	- ETR SOLENOID RELAY
CS1	- CRANK SWITCH - BATT#1	HRVTS	- HIGH RAW WATER TEMP SWITCH
CS2	- CRANK SWITCH - BATT#2	LFAB	- LOW FLOW/TOP ALARM BLOWER
CS3	- CRANK SWITCH - BATT#3	MDS	- MODE SELECTOR SWITCH
CS4	- CRANK SWITCH - BATT#4	MP	- MANUAL MODE POSITION
CS5	- CRANK SWITCH - BATT#5		
CS6	- CRANK SWITCH - BATT#6		
CS7	- CRANK SWITCH - BATT#7		
CS8	- CRANK SWITCH - BATT#8		
CS9	- CRANK SWITCH - BATT#9		
CS10	- CRANK SWITCH - BATT#10		
CS11	- CRANK SWITCH - BATT#11		
CS12	- CRANK SWITCH - BATT#12		
CS13	- CRANK SWITCH - BATT#13		
CS14	- CRANK SWITCH - BATT#14		
CS15	- CRANK SWITCH - BATT#15		
CS16	- CRANK SWITCH - BATT#16		
CS17	- CRANK SWITCH - BATT#17		
CS18	- CRANK SWITCH - BATT#18		
CS19	- CRANK SWITCH - BATT#19		
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CS94	- CRANK SWITCH - BATT#94		
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CS96	- CRANK SWITCH - BATT#96		
CS97	- CRANK SWITCH - BATT#97		
CS98	- CRANK SWITCH - BATT#98		
CS99	- CRANK SWITCH - BATT#99		
CS100	- CRANK SWITCH - BATT#100		

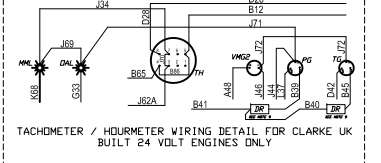


NOTES:
 1) GOVERNOR SOLENOID ENERGIZED TO RUN - JU
 2) STARTER - SINGLE STARTER - JU, DR, DS, DT STANDARD
 - DUAL STARTER - JU STANDARD
 - 24V BATTERY DETAIL, SHOWN, FOR 12V SEE 12V BATTERY DETAIL.
 3) SINGLE POINT GROUND - GROUND STUD PROVIDED ON ENGINE FOR JUNCTION OF BATTERY GROUND CABLES, CONTROLLER GROUND (TERMINAL 11) AND ACCESSORY GROUND.
 - SOME STARTERS HAVE ISOLATED GROUND.
 4) SOME GOVERNOR SOLENOIDS HAVE ISOLATED GROUND
 5) SOME ALTERNATORS HAVE ISOLATED GROUND
 6) WATER SOLENOID VALVE IN RAW WATER SUPPLY COOLING LOOP - VALVE AND WIRING SUPPLIED BY OTHERS. 5" MPS MAX.

8) TACHOMETER / HOURMETER WIRING DETAIL FOR CLARKE UK BUILT ENGINES ONLY



9) DROPPING RESISTORS ONLY USED ON 24V APPLICATIONS



CLARKE Fire Protection Products, Inc.

WIRING DIAGRAM, MECAB
 ETR EMERGENCY OVERRIDE,
 COOLING LOOP ALARMS

DATE: 01MAY13
 ENGR: MJDEMBKOWSKI
 PART NO: C072128

SCALE: NTS
 UNITS: MM (1 INCH)